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April 8, 2022

Parag Amin, P.E.
Project Manager, Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Albany, New York 12233

Re: WALGREEN COMPANY STORE 02077
10 East Chester Street
Kingston, New York
BCP Site No. C356032
Corrective Measure Workplan Addendum - Revised

Dear Mr. Amin:

AECOM Technical Services, Inc. (AECOM), on behalf of the Walgreen Company (Walgreens), is submitting this revised addendum to the 2021 *Revised Corrective Measure Workplan* (*RCMWP*) to the New York State Department of Environmental Conservation (NYSDEC) for Brownfield Cleanup Program Site C356032 at 10 East Chester Street in Kingston, New York.

The objective of the corrective measures proposed is to reduce concentrations of chlorinated volatile organic compounds (CVOCs), specifically, tetrachloroethene (PCE), in groundwater migrating from the site to levels protective of human health and the environment.

Proposed RCMWP Activities

Activities proposed in the *RCMWP* included:

- Installation of a new on-site well (MW-11) on the southern side of the Walgreens property near Broadway;
- Review of available historical data to potentially identify additional injection points in the interior of the site;
- Injection of amendments to create an approximately 75-foot-long boundary treatment zone along the east (downgradient) side of the site perpendicular to groundwater flow; and
- Pre-and post-injection groundwater monitoring program.

The first two activities outlined above have been completed.

Data generated during the installation and sampling of monitoring well MW-11 is presented in this letter addendum. Once the available historical data was reviewed, AECOM shared the data with Regenesis and we have been working together to develop this addendum, which proposes targeted injection of remediation amendments in the western area of the site. An addendum to the 2021 *RCMWP* was submitted to NYSDEC on February 8, 2022.

On March 3, 2022, NYSDEC provided the following comments on the proposed addendum:

- The proposed additional injection points (A-E) in the western portion of the site were downgradient of MW-4 and, therefore would likely leave the potential source area untreated;

- Additional barrier treatment injection points should be placed downgradient of MW-11 to wrap around and stop the plume from leaving the site in that direction;
- An additional well downgradient of MW-11 is needed to perform post-injection monitoring to verify the plume is treated prior to leaving the site in that area.

A conference call to discuss the comments was held with NYSDEC, Walgreens, and AECOM on March 24, 2022. During the call it was agreed that:

- Proposed injection points A through E would be moved to the west, hydraulically upgradient;
- Two barrier treatment injection points would be placed east and southeast of MW-11, if feasible;
- An additional well would be installed downgradient of MW-11 on the neighboring property, assuming access can be obtained and there are no utilities or obstructions that would prevent installation.

Walgreens intends to complete the remedial injections on the eastern side of the site as proposed in the *RCMWP* concurrent with injections on the western side of site.

Monitoring Well MW-11 Installation

On September 3, 2021, AECOM and our subcontractors mobilized to the site to perform a private utility mark out survey and drill and install monitoring well MW-11 (**Figure 1**). Following manually preclearing the borehole 5 feet below ground surface (ft bgs), a Geoprobe was used to advance the well boring to a depth of 15 ft bgs while continuously collecting soil samples with a 5-foot long Macro-core sampler. As indicated on the boring log, fine to medium sand was encountered to a depth of 12 ft bgs below which silt and clay was encountered (**Attachment 1**). Groundwater was encountered at a depth of approximately 10 ft bgs.

One soil sample was collected for laboratory analysis from the 9.5 to 10 ft bgs interval as it exhibited the greatest apparent contamination based on photoionization detector screening. A second sample was collected from the apparent clean interval of 14 to 15 ft bgs.

Following soil sampling, the boring was enlarged using hollow stem augers to facilitate well installation. The well was constructed of 2-inch diameter schedule 40 PVC well riser with a 10-foot length of 0.020-inch slot PVC screen and completed with flush-mount road box. A well construction log is provided in **Attachment 1**.

AECOM developed monitoring well MW-11 using a Waterra pump four days after installation. The turbidity was monitored during development and did not stabilize to less than 50 Nephelometric Turbidity Units within the five well volumes removed.

On September 10, 2021, AECOM returned to the site to gauge wells, collect a groundwater sample from MW-11, and survey monitoring well MW-11. The table below summarizes the groundwater elevation data. A groundwater flow map generated using this data is provided as **Figure 1**. The data confirms a southeasterly flow, which is consistent with previous monitoring data.

Well ID	TOC Elevation	DTW 9/10/2021 feet (bgs)	Groundwater Elevation 9/10/2021
MW-1	188.72	8.66	180.06
MW-2	188.41	8.79	179.62
MW-3	188.29	8.85	179.44
MW-4	188.06	7.72	180.34
MW-5	187.62	7.31	180.31
MW-6	187.60	6.20	181.40
MW-7	187.66	8.68	178.98
MW-8	188.14	NM	NM
MW-9	188.62	NM	NM
MW-10	188.64	NM	NM
MW-11	188.36	8.48	179.88

NM: not measured, access not secured by AECOM prior to gauging
TOC: top of casing
DTW: depth to water
bgs: below ground surface

A groundwater sample was collected from MW-11 following the United States Environmental Protection Agency (USEPA) low-flow sampling protocol. During purging, AECOM measured water quality parameters (i.e., temperature, pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity) using a multi-parameter meter connected to an in-line flow-through cell. A sample was collected once parameters stabilized.

All investigation-derived waste was containerized in 55-gallon drums and temporarily staged on site for subsequent waste characterization and off-site disposal.

MW-11 Analytical Results

The soil and groundwater samples were submitted to Eurofins for analysis of Target Compound List (TCL) volatile organic compounds (VOCs) by USEPA Method 8260C. The laboratory analytical report is provided in **Attachment 2** and the analytical data review memo prepared by an AECOM chemist is provided in **Attachment 3**.

Soil

PCE, trichloroethene (TCE), and cis-1,2-dichloroethene (cis-1,2-DCE) were not detected above the reporting limits in the soil samples collected from the MW-11 borehole. PCE was detected in the soil sample collected from the 14 to 15 ft bgs interval at an estimated concentration of 1.4 micrograms per kilogram (mg/kg), which is below the reporting limit of 6 mg/kg.

Groundwater

PCE, TCE, and cis-1,2-DCE were the only compounds detected at concentrations above the reporting limits in the groundwater sample from MW-11. The concentrations of these compounds exceed the NYSDEC groundwater standard of 5 micrograms per liter (μg/L).

MW-11

Compound	Concentration (µg/L)
Tetrachloroethene (PCE)	340
Trichloroethene (TCE)	49
cis-1,2-Dichloroethene (cis-1,2-DCE)	19

Notes:

µg/L: micrograms per liter

Groundwater sample collected on September 10, 2021

Although impacts are present at MW-11, based on the groundwater flow direction, AECOM believes that the proposed remedial actions discussed below will address these impacts.

Historical Data Review

AECOM reviewed available historical analytical data to determine if there are any locations on-site that would warrant targeted treatment. AECOM reviewed the following documents.

- Brownfield Cleanup Program Remedial Investigation Report/Remedial Action Plan (RIRRAP), S&W Redevelopment of North America, LLC (S&W), August 2005, (including summary of two prior investigations performed by HTE Northeast in February and December 1998)
- Remedial Action Plan, S&W, August 2005
- Remedial Design In-Situ Chemical Oxidation, Stearns and Wheler, LLC, October 2005
- Final Engineering Report, S&W, November 2006
- Summary Report, AECOM, January 23, 2015
- April 2016 Investigation Summary and Request for Extension, AECOM, June 6, 2016
- Off-Site Investigation Results for 322 Broadway and Request for Extension, AECOM, October 18, 2016
- Site Management Periodic Review Report and Institutional and Engineering Control (IC/EC) Certification and March 2018 Investigation Results, AECOM, May 2018
- Groundwater Analytical Results Summary Report, AECOM, March 2020

Remedial actions implemented at the site have included removal of the two sumps and crawlspace structure underneath the dry cleaner and in-situ chemical oxidation with two rounds of permanganate injections performed in April and September 2006.

Review of the analytical data and field observations (e.g., photoionization readings) confirmed that the highest levels of CVOC impacts were present in the general area of the former dry cleaner building. **Figure 2** uses color-coded circles to illustrate the various levels and locations of identified impacts. The information was used to guide the selection of locations for targeted treatment. The historical analytical data demonstrates that CVOC concentration levels in on-site soil are not indicative of source material on the Walgreens property.

Continued monitoring shows concentrations of PCE in well MW-3 on the downgradient side of the site (east) and in well MW-4 located in the area of the former dry cleaner in the western area of the site. An investigation performed in 2020 by the NYSDEC identified PCE in well MW-7 installed downgradient of the site. The proposed remedial activities and schedule are discussed below.

RCMWP Addendum

The remedial plan presented in the approved *RCMWP* includes reducing CVOC impacts migrating from the site through the injection of amendments upgradient of the southeastern property boundary. Because no specific source of the PCE has been identified, the injection locations presented in the *RCMWP* were designed to create an approximately 75-foot-long boundary treatment zone along the east (downgradient) side of the site perpendicular to groundwater flow. The barrier treatment injection locations are shown in **Figure 3**. Commercially-prepared PlumeStop® Liquid Activated Carbon™ and S-MicroZVI™ (S-MZVI) manufactured by Regenesis were selected as the amendments as they are fast-acting groundwater remediation reagents which can remediate a range of contaminants through adsorption, reduction, and bioremediation.

In response to NYSDEC March 3, 2022 comments, amendment injection is proposed between MW-11 and Broadway as shown in **Figure 3**. However, previous utility mark outs, a 2009 Utility Plan for site development (**Attachment 4**), and visual observations indicate that there are multiple underground utilities and an overhead electric line in the area. Two injection points are proposed in the landscaped island, however, the actual locations and number of injection points may vary based on the presence of utilities and other structures.

AECOM met with Regenesis on November 3, 3021 at the Walgreens site and has had subsequent follow-up conversations to discuss the project, the historical data review, and logistical considerations. Regenesis has recommended that treatment in the western area of the site include nutrients, bacteria, and zero valent iron for both reduction and to enhance anaerobic biodegradation. Regenesis recommended a combination of 3-D Microemulsion® (3DME), S-Micro ZVI, and Bio-Dechlor Inoculum® (BDI) (microbe) injections for the treatment area. The 3DME serves as staged release of electron donors with a generally expected material longevity of three years or more. The S-Micro ZVI destroys contaminants directly and stimulates anaerobic degradation by promoting a reducing environment. Regenesis concluded that these amendments would work best for this area, while the prepared PlumeStop Liquid Activated Carbon and S-MicroZVI are best for barrier treatment wall applications. Product information on the proposed amendments are presented in **Attachment 5**.

Walgreens and AECOM had previously proposed to inject the treatment amendments at five locations in the area of the former dry cleaner where previous investigations identified impacts. The locations have been revised in response to NYSDEC March 3, 2022 comments as shown in **Figure 3**. The actual locations may vary based on the presence of buried utilities and other structures. The injection procedures described in the *RCMWP* would be used for these additional injections.

The remedial injections outlined in the approved *RCMWP* and proposed in this addendum will be implemented concurrently. AECOM anticipates that the combination of treatment upgradient on the western side of the property and the treatment barrier along the downgradient property boundary will achieve the objective to reduce CVOCs in groundwater migrating from the site.

In response to NYSDEC's March 3, 2022 comments, an additional downgradient well (MW-12) is proposed downgradient of the Walgreen's property as shown in **Figure 3.** Installation of the well will be dependent on obtaining access from the neighboring property owner and on the absence of utilities of other potential obstructions in the area. Well drilling and installation would follow the same procedures described for MW-11 in the *RCMWP*.

Following installation, the new well will be developed and included in the monitoring program.

Schedule

Once this revised addendum is approved by the NYSDEC, AECOM will work to secure funding with Walgreens to implement the activities in the *RCMWP* and revised addendum. The following schedule was developed with the underlying assumption that NYSDEC will approve this addendum two weeks after receipt of the document, funding will be secured from Walgreens by May 27, 2022, and access to install well MW-12 will be secured by May 27, 2022. The actual field schedule may vary based on driller and remedial contractor availability.

Task	Duration	Target Completion Date
Secure Funding and Offsite Access	-	May 27, 2022
Schedule and Perform Well Installation and Development	6 weeks	July 8, 2022
Pre-Injection GW Sampling, Hydraulic Conductivity Testing and Deploy Passive Diffusion Bag (PDB) (1-month prior to injection)	1 week	July 15 2022
Permitting, Utility Clearance, and Subcontractor Coordination	4 weeks	August 12, 2022
Implement the Injection Program	2 weeks	August 26, 2022
1st Quarterly Post-Injection GW Sampling Event (3 months after injections)	1 week	December 2, 2022
Summary Report after 1st Quarterly Post-Injection GW Sampling (6 weeks after data validation)	8 weeks	February 3, 2023
2nd Quarterly Post-Injection GW Sampling Event	4 weeks	March 3, 2023
3rd Quarterly Post-Injection GW Sampling Event	12 weeks	May 26, 2023
4th Quarterly Post-Injection GW Sampling Event	12 weeks	August 18, 2023
Summary Report after 4th Quarterly Post-Injection GW Sampling (6-weeks after data validation)	8 weeks	October 13, 2023
IC/EC Certification	2 weeks	November3, 2023

Walgreens and AECOM appreciate the continued working relationship with the NYSDEC. If you have any questions or require additional information, please do not hesitate to give me a call at 716-923-1165.

AECOM

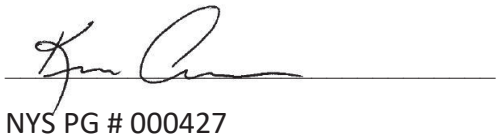
Kevin Connare, PG
Project Manager

AECOM

Attachments

Figure 1	Groundwater Flow – September 10, 2021
Figure 2	Evaluation of CVOCs in Soil and Groundwater
Figure 3	Proposed Additional Well and Treatment Point Locations
Attachment 1	Boring and Well Construction Log
Attachment 2	Laboratory Analytical Reports
Attachment 3	Analytical Data Review, Memo by AECOM Chemist
Attachment 4	2009 Site Redevelopment Utility Plan
Attachment 5	Proposed Amendments for Western Area

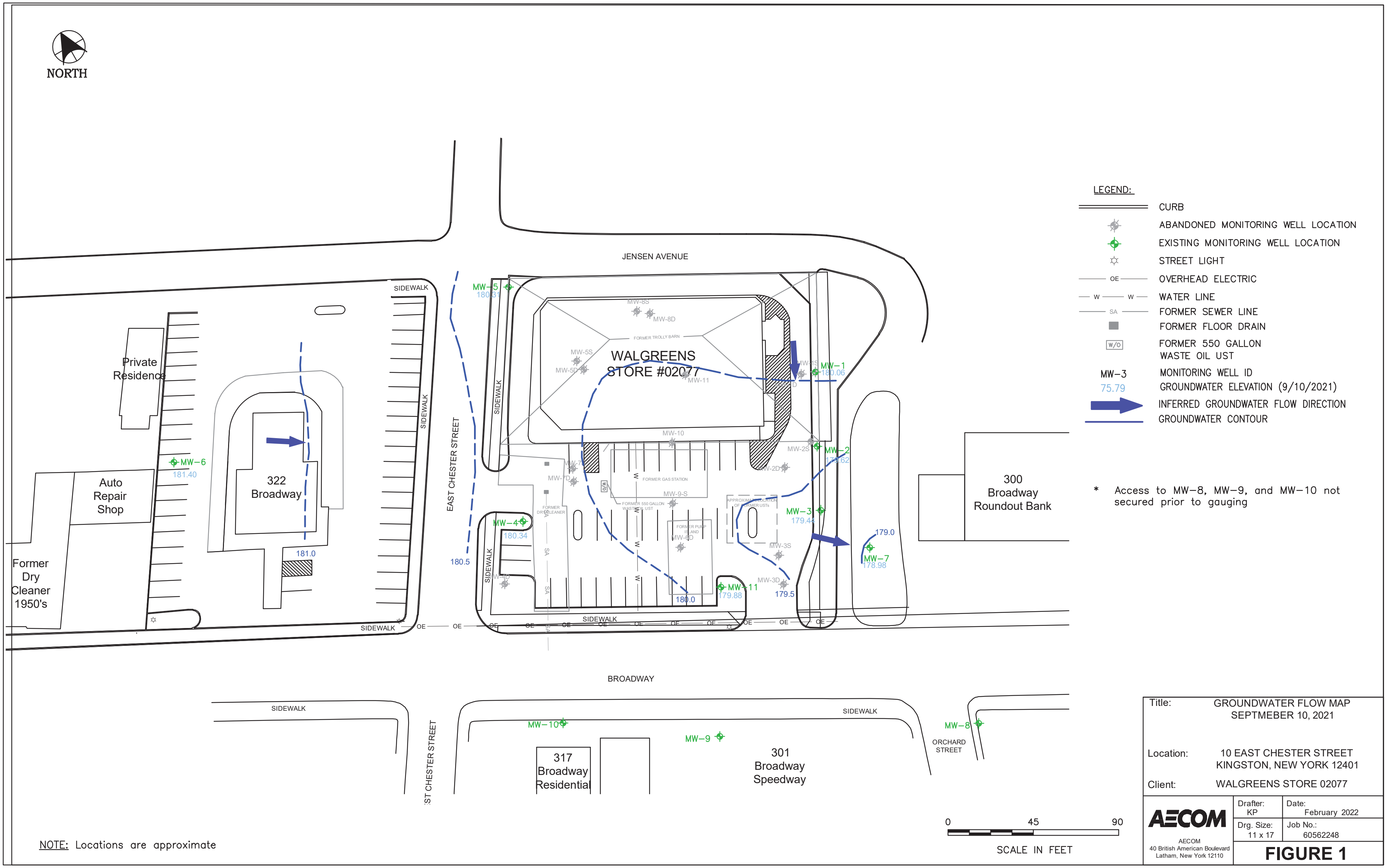
I, Kevin Connare, PG., certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

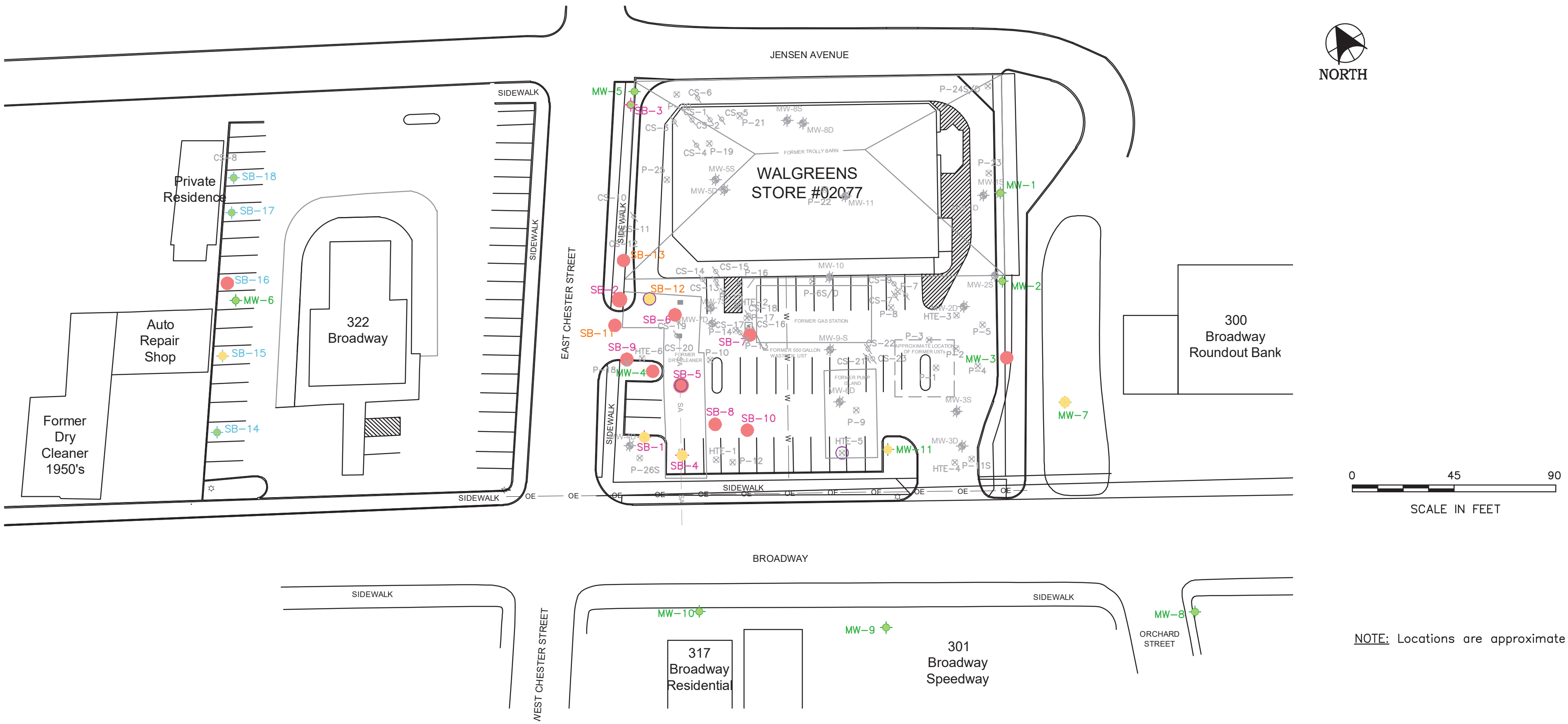


NYS PG # 000427

Date: April 8, 2022

FIGURES


NORTH
JENSEN AVENUE
BROADWAY
EAST CHESTER STREET
SIDEWALK
WALGREENS
STORE #02077
Private Residence
Auto Repair Shop
Former Dry Cleaner 1950's
322 Broadway
300 Broadway Roundout Bank
317 Broadway Residential
301 Broadway Speedway
ORCHARD STREET
MW−1
180.06
MW−2
179.62
MW−3
179.44
MW−4
180.34
MW−5
180.31
MW−6
181.40
MW−7
178.98
MW−8
MW−9
MW−10
MW−11
179.88
181.0
180.5
180.0
179.5
179.0
LEGEND:
CURB
ABANDONED MONITORING WELL LOCATION
EXISTING MONITORING WELL LOCATION
STREET LIGHT
OVERHEAD ELECTRIC
WATER LINE
FORMER SEWER LINE
FORMER FLOOR DRAIN
FORMER 550 GALLON WASTE OIL UST
MW−3 MONITORING WELL ID
75.79 GROUNDWATER ELEVATION (9/10/2021)
INFERRED GROUNDWATER FLOW DIRECTION
GROUNDWATER CONTOUR
* Access to MW−8, MW−9, and MW−10 not secured prior to gauging
NOTE: Locations are approximate
0 45 90
SCALE IN FEET
Title: GROUNDWATER FLOW MAP SEPTMEBER 10, 2021
Location: 10 EAST CHESTER STREET KINGSTON, NEW YORK 12401
Client: WALGREENS STORE 02077
AECOM
40 British American Boulevard
Latham, New York 12110
Drafter: KP
Date: February 2022
Drg. Size: 11 x 17
Job No.: 60562248
FIGURE 1



NOTE: Locations are approximate

LEGEND:

- CURB
- ABANDONED MONITORING WELL LOCATION
- EXISTING MONITORING WELL LOCATION
- STREET LIGHT
- OE — OVERHEAD ELECTRIC
- W — WATER LINE
- SA — FORMER SEWER LINE
- FORMER FLOOR DRAIN
- W/O — FORMER 550 GALLON WASTE OIL UST
- 1998 INVESTIGATION SAMPLES
- 2006 CONFIRMATORY SAMPLE LOCATION
- SB−1 THRU SB−10, OCTOBER 2014
- SB−11 THRU SB−13, APRIL 2016
- SB−14 THRU SB−18, SEPTEMBER 2016
- CVOCS EXCEED UNRESTRICTED USE SOIL STANDARD

GROUNDWATER CVOCS 2014 - PRESENT:

- BELOW OR NEAR GROUNDWATER STANDARDS
- 500-1,000 µg/L
- > 1,000 µg/L

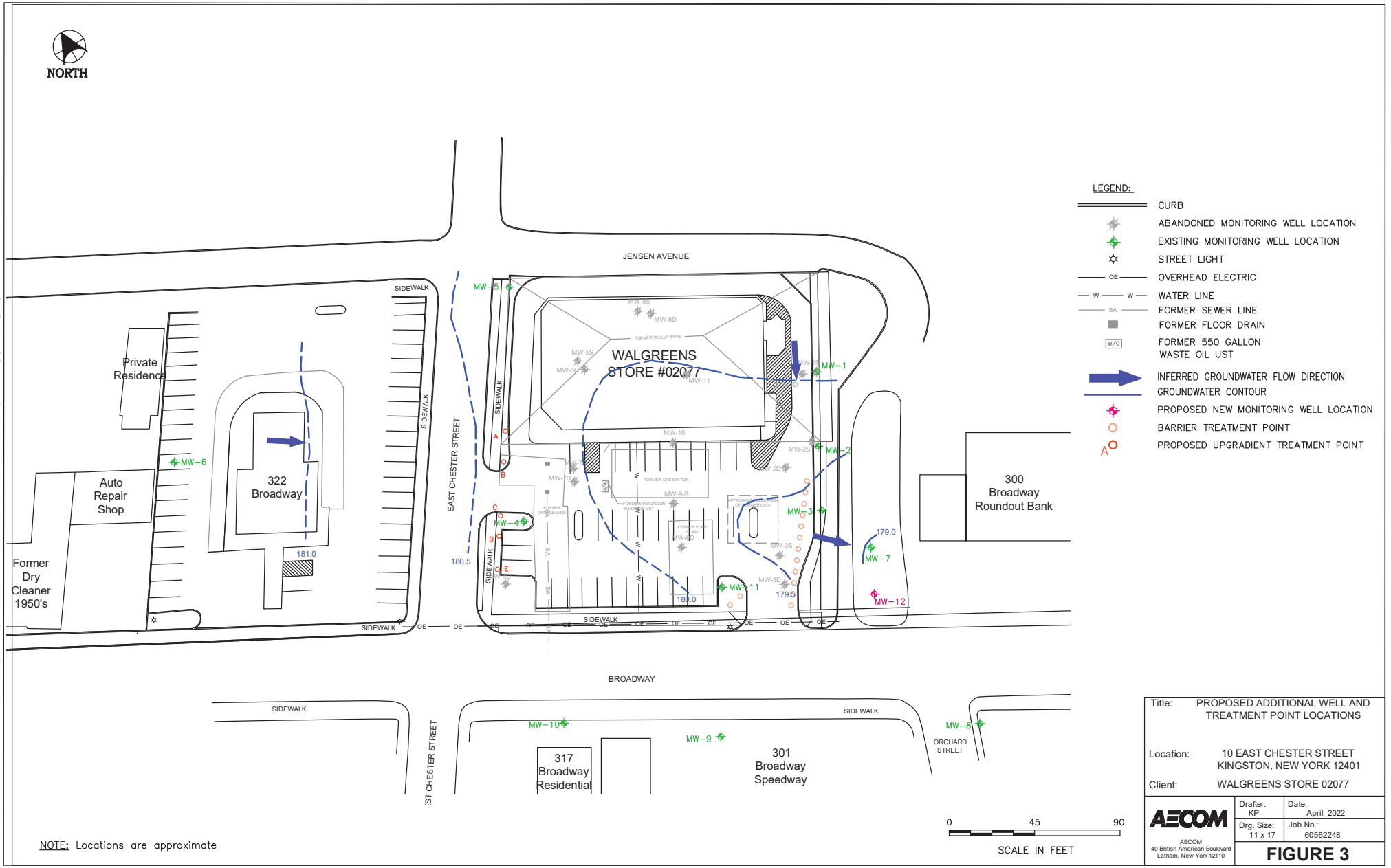
BASED ON MOST RECENT SAMPLE AT EACH LOACTION

CVOCS - CHLORINATED VOLATILE ORGANIC COMPOUNDS
µg/L - MICROGRAM PER LITER

Title:	EVALUATION OF CVOCS IN SOIL AND GROUNDWATER
Location:	10 EAST CHESTER STREET KINGSTON, NEW YORK 12401
Client:	WALGREENS STORE 02077
Drafter: KP	Date: February 2022
Drg. Size: 11 x 17	Job No.: 60562248

AECOM
AECOM
40 British American Boulevard
Latham, New York 12110

FIGURE 2



NOTE: Locations are approximate

Title: PROPOSED ADDITIONAL WELL AND TREATMENT POINT LOCATIONS

Location: 10 EAST CHESTER STREET KINGSTON, NEW YORK 12401

Client: WALGREENS STORE 02077

AECOM
AECOM
40 British American Boulevard
Latham, New York 12110

Drafter: KP	Date: April 2022
Drg. Size: 11 x 17	Job No.: 60562248

FIGURE 3

ATTACHMENT 1

BORING AND WELL CONSTRUCTION LOG

AECOM Soil Boring Log

PROJECT INFORMATION		SOIL BORING INFORMATION			
Project:	Walgreens Store 02077	**Boring/Well ID:**	MW-11	**Depth to GW:**	10'
Address:	10 East Chester Street, Kingston, NY 12401	**Sheet:**	1 of 1	**Borehole Depth:**	15'
Client:	Walgreen Company	**Date Started:**	9/3/2021	**Location:**	SE side near Bway
Project No:	60562248	**Date Finished:**	9/3/2021	**Geologist:**	Alex Golden
NYSDEC Spill No:	BCP Site No. C356032	**Borehole Dia:**	8"	**Reviewed By:**	K. Connare, PG
DRILLING INFORMATION		**WELL CONSTRUCTION**			
Drilling Company:	Cascade	**Well Material:**	Sch. 40 PVC	**Filter Pack Type:**	FilPro #2
Driller:	Zach Fordley	**Well Dia:**	2"	**Filter Pack Interval:**	2-13'
Drilling Method:	Geoprobe 7822DT - With Hollow Stem Auger	**Riser Interval:**	0-3'	**Seal Type:**	Bentonite chips
Sampler:	1.5" Dia. Macrocore	**Screen Interval:**	3-13'	**Seal Interval:**	1-2'
Sampler Length:	5'	**Screen Slot Size:**	0.020"	**Grout Interval:**	0-1'

DEPTH (FT)	SAMPLE STRATA	SAMPLE REC	SAMPLE BLOWS PER 6"	USCS	PID (ppm)	Color	MATERIAL DESCRIPTION	WELL CONSTRUCTION DIAGRAM	DEPTH (FT)
		Hand Clear		SM	0.0	Brown	0-0.5' - Topsoil 0.5 - 5' - Medium to fine SAND, little fine to medium gravel, trace organics, loose, dry.		
5		60"		SM		Brown	5 - 9.5' - Medium to coarse SAND, trace fine to medium gravel, loose, moist.		5
				SM	2055	Gray	9.5-10' - Medium to coarse SAND, loose, moist, strong petroleum odor.		
10				SM		Brown	10-10.5' - Fine to medium SAND, trace silt, dense, wet.		10
					392	Gray	10.5 - 11' - Medium to coarse SAND, loose, wet, petroleum odor.		
					13.4	Brown	11 - 11.5' - Medium to coarse SAND, little silt, loose, wet.		
					10.4		11.5 - 12' - SAND, some silt, dense, wet.		
		60"		CL	2.0	Gray	12 - 15' - SILT and CLAY, stiff, wet. Sampled to 15', augered to 13'.		
15									15

SAMPLES COLLECTED: Collected samples for VOC analysis from 9.5' to 10' and 14 to 15' intervals.

COMMENTS: Water level at 8.19' following well construction.

LEGEND:

- Sand (G.S. #200 - #4 sieve)
- Gravel (G.S. #4 sieve - 3/4")
- Cobble (G.S. >3")
- Silt (G.S. <#200 sieve)
- Clay (G.S. <#200 sieve)
- Peat/Organic Soils
- Cement/Bentonite Grout
- Seal
- Fill Material/RCA
- water table

SAA: Same As Above
NA: Not Applicable
PID: Photo-ionization Detector
G.S.: Grain Size
EOB: End of Boring

ppm: parts per million
ft: feet
ND: Not Determined
NAPL: Non-Aqueous Phase Liquid

ATTACHMENT 2

LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-189159-1
Client Project/Site: 60562248, Walgreen's Site (Kingston, NY)
Revision: 1

For:
AECOM
40 British American Blvd
Latham, New York 12110

Attn: Jennifer G. Gillies

Authorized for release by:
9/27/2021 10:56:16 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: AECOM
Job ID: 480-189159-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-189159-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-189159-1

Revision
This report has been revised to correct the sample results for DUP (480-189159-3).

Comments
No additional comments.

Receipt
The samples were received on 9/4/2021 8:00 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 3.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-595503 recovered above the upper control limit for 2-Hexanone, Carbon tetrachloride, Dibromochloromethane and Trichlorofluoromethane. The samples associated with this CCVIS were non-detect for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-11 9.5-10' 090321 (480-189159-1) and DUP (480-189159-3).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-595491 and analytical batch 480-595503 recovered outside control limits for the following analytes: Carbon tetrachloride, Chlorodibromomethane, Bromoform and 1,2-Dibromo-3-Chloropropane. These analytes were biased high in the LCS and were not detected or below the reporting limits (RL) in the associated samples; therefore, the data have been reported. The associated samples are impacted: MW-11 9.5-10' 090321 (480-189159-1) and DUP (480-189159-3).

Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted due to the nature of the sample matrix: MW-11 9.5-10' 090321 (480-189159-1) and DUP (480-189159-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample is a duplicate that was analyzed at a higher dilution than the parent sample due to the non-homogeneity of the sample matrix: DUP (480-189159-3).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-595619 recovered above the upper control limit for Vinyl chloride. The sample(s) associated with this CCVIS were non-detect for the affected analyte; therefore, the data have been reported. The associated sample is impacted: MW-11 14-15' 090321 (480-189159-2).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-595619 recovered above the upper control limit for Trichlorofluoromethane. The sample(s) associated with this CCVIS were non-detect for the affected analyte; therefore, the data have been reported. The associated sample is impacted: MW-11 14-15' 090321 (480-189159-2).

Method 8260C: Internal standard (ISTD) and/or surrogate standard (SS) response for the following samples were outside control limits: MW-11 14-15' 090321 (480-189159-2), MW-11 14-15' MS 090321 (480-189159-2[MS]) and MW-11 14-15' MSD 090321 (480-189159-2[MSD]). The sample(s) were re-analyzed and ISTD SS response was outside control limits.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-595624 and analytical batch 480-595619 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) precision was within acceptance limits. The associated samples are: MW-11 14-15' MS 090321 (480-189159-2[MS]) and MW-11 14-15' MSD 090321 (480-189159-2[MSD]).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-595624 and analytical batch 480-595619 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are: MW-11 14-15' MS 090321 (480-189159-2[MS]) and MW-11 14-15' MSD 090321 (480-189159-2[MSD]).

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

Detection Summary

Client: AECOM
Job ID: 480-189159-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Client Sample ID: MW-11 9.5-10' 090321 — Lab Sample ID: 480-189159-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	880		470	93	ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: MW-11 14-15' 090321 — Lab Sample ID: 480-189159-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.40	J vs	6.0	0.37	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	16	vs	6.0	2.8	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	1.4	J vs *3 F1	6.0	0.80	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: DUP — Lab Sample ID: 480-189159-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1600		1200	240	ug/Kg	10	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-11 9.5-10' 090321
Lab Sample ID: 480-189159-1

Date Collected: 09/03/21 09:00
Matrix: Solid

Date Received: 09/04/21 08:00
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		470	130	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,1,2,2-Tetrachloroethane	ND		470	76	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,1,2-Trichloroethane	ND		470	99	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		470	230	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,1-Dichloroethane	ND		470	150	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,1-Dichloroethene	ND		470	160	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,2,4-Trichlorobenzene	ND		470	180	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,2-Dibromo-3-Chloropropane	ND	*+	470	230	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,2-Dichlorobenzene	ND		470	120	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,2-Dichloroethane	ND		470	190	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,2-Dichloropropane	ND		470	76	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,3-Dichlorobenzene	ND		470	130	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,4-Dichlorobenzene	ND		470	66	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
2-Butanone (MEK)	ND		2300	1400	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
2-Hexanone	ND		2300	960	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
4-Methyl-2-pentanone (MIBK)	ND		2300	150	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Acetone	ND		2300	1900	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Benzene	ND		470	89	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Bromodichloromethane	ND		470	94	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Bromoform	ND	*+	470	230	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Bromomethane	ND		470	100	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Carbon disulfide	ND		470	210	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Carbon tetrachloride	ND	*+	470	120	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Chlorobenzene	ND		470	62	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Dibromochloromethane	ND	*+	470	230	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Chloroethane	ND		470	98	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Chloroform	ND		470	320	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Chloromethane	ND		470	110	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
cis-1,2-Dichloroethene	ND		470	130	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
cis-1,3-Dichloropropene	ND		470	110	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Cyclohexane	ND		470	100	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Dichlorodifluoromethane	ND		470	200	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Ethylbenzene	ND		470	140	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
1,2-Dibromoethane	ND		470	82	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Isopropylbenzene	ND		470	70	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Methyl acetate	ND		2300	220	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Methyl tert-butyl ether	ND		470	180	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Methylcyclohexane	ND		470	220	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Methylene Chloride	**880**		470	93	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Styrene	ND		470	110	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Tetrachloroethene	ND		470	63	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Toluene	ND		470	130	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
trans-1,2-Dichloroethene	ND		470	110	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
trans-1,3-Dichloropropene	ND		470	46	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Trichloroethene	ND		470	130	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Trichlorofluoromethane	ND		470	220	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Vinyl chloride	ND		470	160	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4
Xylenes, Total	ND		940	260	ug/Kg	☼	09/07/21 20:57	09/08/21 14:37	4

Client Sample ID: MW-11 9.5-10' 090321
Lab Sample ID: 480-189159-1
Date Collected: 09/03/21 09:00
Matrix: Solid
Date Received: 09/04/21 08:00
Percent Solids: 88.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		50 - 149	09/07/21 20:57	09/08/21 14:37	4
1,2-Dichloroethane-d4 (Surr)	100		53 - 146	09/07/21 20:57	09/08/21 14:37	4
4-Bromofluorobenzene (Surr)	95		49 - 148	09/07/21 20:57	09/08/21 14:37	4
Dibromofluoromethane (Surr)	93		60 - 140	09/07/21 20:57	09/08/21 14:37	4

Client Sample ID: MW-11 14-15' 090321
Lab Sample ID: 480-189159-2
Date Collected: 09/03/21 09:10
Matrix: Solid
Date Received: 09/04/21 08:00
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.0	0.44	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,1,2,2-Tetrachloroethane	ND	vs *3 F1 F2	6.0	0.97	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,1,2-Trichloroethane	ND	vs *3 F1 F2	6.0	0.78	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.0	1.4	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,1-Dichloroethane	ND	vs	6.0	0.73	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,1-Dichloroethene	ND	vs	6.0	0.73	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,2,4-Trichlorobenzene	ND	vs *3 F1	6.0	0.36	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,2-Dibromo-3-Chloropropane	ND	vs *3 F1 F2	6.0	3.0	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,2-Dichlorobenzene	ND	vs *3 F1	6.0	0.47	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,2-Dichloroethane	ND	vs	6.0	0.30	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,2-Dichloropropane	ND	vs	6.0	3.0	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,3-Dichlorobenzene	ND	vs *3 F1	6.0	0.31	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,4-Dichlorobenzene	ND	vs *3 F1	6.0	0.84	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
2-Butanone (MEK)	ND	vs	30	2.2	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
2-Hexanone	ND	vs *3	30	3.0	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
4-Methyl-2-pentanone (MIBK)	ND	vs *3 F2	30	2.0	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Acetone	ND	vs	30	5.0	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Benzene	ND	vs	6.0	0.29	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Bromodichloromethane	ND	vs	6.0	0.80	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Bromoform	ND	vs *3 F1	6.0	3.0	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Bromomethane	ND	vs	6.0	0.54	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Carbon disulfide	ND	vs	6.0	3.0	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Carbon tetrachloride	ND	vs	6.0	0.58	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Chlorobenzene	ND	vs *3 F1	6.0	0.79	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Dibromochloromethane	ND	vs *3 F1 F2	6.0	0.77	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Chloroethane	ND	vs F1	6.0	1.4	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Chloroform	**0.40**	**J vs**	6.0	0.37	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Chloromethane	ND	vs F1	6.0	0.36	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
cis-1,2-Dichloroethene	ND	vs	6.0	0.77	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
cis-1,3-Dichloropropene	ND	vs F1	6.0	0.86	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Cyclohexane	ND	vs	6.0	0.84	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Dichlorodifluoromethane	ND	vs	6.0	0.50	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Ethylbenzene	ND	vs *3 F1	6.0	0.41	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
1,2-Dibromoethane	ND	vs *3 F1	6.0	0.77	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Isopropylbenzene	ND	vs *3 F1 F2	6.0	0.90	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Methyl acetate	ND	vs	30	3.6	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Methyl tert-butyl ether	ND	vs	6.0	0.59	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Methylcyclohexane	ND	vs	6.0	0.91	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Methylene Chloride	**16**	**vs**	6.0	2.8	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1

Client Sample ID: MW-11 14-15' 090321
Lab Sample ID: 480-189159-2

Date Collected: 09/03/21 09:10
Matrix: Solid
Date Received: 09/04/21 08:00
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	vs *3 F1	6.0	0.30	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Tetrachloroethene	**1.4**	**J vs *3 F1**	6.0	0.80	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Toluene	ND	vs *3	6.0	0.45	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
trans-1,2-Dichloroethene	ND	vs	6.0	0.62	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
trans-1,3-Dichloropropene	ND	vs *3 F1	6.0	2.6	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Trichloroethene	ND	vs F1	6.0	1.3	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Trichlorofluoromethane	ND	vs	6.0	0.57	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Vinyl chloride	ND	vs F1	6.0	0.73	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1
Xylenes, Total	ND	vs F1	12	1.0	ug/Kg	☼	09/08/21 16:32	09/08/21 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*122*	**3*	*71 - 125*	*09/08/21 16:32*	*09/08/21 18:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*	*09/08/21 16:32*	*09/08/21 18:26*	*1*
4-Bromofluorobenzene (Surr)	*73*	**3*	*72 - 126*	*09/08/21 16:32*	*09/08/21 18:26*	*1*
Dibromofluoromethane (Surr)	*123*		*60 - 140*	*09/08/21 16:32*	*09/08/21 18:26*	*1*

Client Sample ID: DUP
Lab Sample ID: 480-189159-3

Date Collected: 09/03/21 09:10
Matrix: Solid
Date Received: 09/04/21 08:00
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1200	330	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,1,2,2-Tetrachloroethane	ND		1200	190	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,1,2-Trichloroethane	ND		1200	250	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200	590	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,1-Dichloroethane	ND		1200	370	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,1-Dichloroethene	ND		1200	410	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,2,4-Trichlorobenzene	ND		1200	450	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,2-Dibromo-3-Chloropropane	ND	*+	1200	590	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,2-Dichlorobenzene	ND		1200	300	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,2-Dichloroethane	ND		1200	490	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,2-Dichloropropane	ND		1200	190	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,3-Dichlorobenzene	ND		1200	320	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,4-Dichlorobenzene	ND		1200	170	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
2-Butanone (MEK)	ND		5900	3500	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
2-Hexanone	ND		5900	2400	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
4-Methyl-2-pentanone (MIBK)	ND		5900	380	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Acetone	ND		5900	4900	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Benzene	ND		1200	230	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Bromodichloromethane	ND		1200	240	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Bromoform	ND	*+	1200	590	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Bromomethane	ND		1200	260	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Carbon disulfide	ND		1200	540	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Carbon tetrachloride	ND	*+	1200	300	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Chlorobenzene	ND		1200	160	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Dibromochloromethane	ND	*+	1200	580	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Chloroethane	ND		1200	250	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Chloroform	ND		1200	820	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Chloromethane	ND		1200	280	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10

Client: AECOM
Job ID: 480-189159-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Client Sample ID: DUP
Lab Sample ID: 480-189159-3
Date Collected: 09/03/21 09:10
Matrix: Solid
Date Received: 09/04/21 08:00
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1200	330	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
cis-1,3-Dichloropropene	ND		1200	280	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Cyclohexane	ND		1200	260	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Dichlorodifluoromethane	ND		1200	520	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Ethylbenzene	ND		1200	350	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
1,2-Dibromoethane	ND		1200	210	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Isopropylbenzene	ND		1200	180	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Methyl acetate	ND		5900	570	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Methyl tert-butyl ether	ND		1200	450	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Methylcyclohexane	ND		1200	560	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Methylene Chloride	**1600**		1200	240	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Styrene	ND		1200	290	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Tetrachloroethene	ND		1200	160	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Toluene	ND		1200	320	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
trans-1,2-Dichloroethene	ND		1200	280	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
trans-1,3-Dichloropropene	ND		1200	120	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Trichloroethene	ND		1200	330	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Trichlorofluoromethane	ND		1200	560	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Vinyl chloride	ND		1200	400	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10
Xylenes, Total	ND		2400	660	ug/Kg	☼	09/07/21 20:57	09/08/21 15:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*50 - 149*	*09/07/21 20:57*	*09/08/21 15:00*	*10*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*09/07/21 20:57*	*09/08/21 15:00*	*10*
4-Bromofluorobenzene (Surr)	*93*		*49 - 148*	*09/07/21 20:57*	*09/08/21 15:00*	*10*
Dibromofluoromethane (Surr)	*91*		*60 - 140*	*09/07/21 20:57*	*09/08/21 15:00*	*10*

Surrogate Summary

Client: AECOM
Job ID: 480-189159-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(50-149)	(53-146)	(49-148)	(60-140)
480-189159-1	MW-11 9.5-10' 090321	96	100	95	93
480-189159-3	DUP	95	100	93	91
LCS 480-595491/1-A	Lab Control Sample	98	98	98	95
MB 480-595491/2-A	Method Blank	99	97	98	92

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(71-125)	(64-126)	(72-126)	(60-140)
480-189159-2	MW-11 14-15' 090321	122 *3	100	73 *3	123
480-189159-2 MS	MW-11 14-15' MS 090321	93 *3	97 *3	105 *3	113 *3
480-189159-2 MSD	MW-11 14-15' MSD 090321	123	90	74	113
LCS 480-595624/1-A	Lab Control Sample	96	95	106	108
MB 480-595624/2-A	Method Blank	94	102	109	107

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Client: AECOM
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Job ID: 480-189159-1

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

Lab Sample ID: MB 480-595491/2-A
Matrix: Solid
Analysis Batch: 595503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 595491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,1,2,2-Tetrachloroethane	ND		100	16	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,1,2-Trichloroethane	ND		100	21	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,1,2-Trichloro-1,2,2-triu7oroethane	ND		100	50	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,1-Dichloroethane	ND		100	☼1	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,1-Dichloroethene	ND		100	☼5	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,2,4-Trichlorobenf ene	ND		100	☼8	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,2-Dibroz o-☼Chloromromane	ND		100	50	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,2-Dichlorobenf ene	ND		100	26	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,2-Dichloroethane	ND		100	41	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,2-Dichloromromane	ND		100	16	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,☼Dichlorobenf ene	ND		100	23	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,4-Dichlorobenf ene	ND		100	14	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
2-p7tanone (MEK)	ND		500	☼00	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
2-* e+anone	ND		500	210	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
4-MethBl-2-mentanone (MIpK)	ND		500	☼2	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Acetone	ND		500	410	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
penf ene	ND		100	19	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
proz oHchloroz ethane	ND		100	20	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
proz owrz	ND		100	50	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
proz oz ethane	ND		100	22	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Carbon Hs7luHe	ND		100	46	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Carbon tetrachloriHe	ND		100	26	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Chlorobenf ene	ND		100	1☼	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Dibroz ochloroz ethane	ND		100	48	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Chloroethane	ND		100	21	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Chlorowrz	ND		100	69	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Chloroz ethane	ND		100	24	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
cis-1,2-Dichloroethene	ND		100	28	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
cis-1,☼Dichloromromene	ND		100	24	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
CBclohe+ane	ND		100	22	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
DichloroHu7oroz ethane	ND		100	44	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
EthBlbenf ene	ND		100	29	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
1,2-Dibroz oethane	ND		100	18	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
IsomromBlbenf ene	ND		100	15	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
MethBl acetate	ND		500	48	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
MethBl tert-b7tBl ether	ND		100	☼8	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
MethBlcBclohe+ane	ND		100	43	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
MethBlene ChloriHe	ND		100	20	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
StBrene	ND		100	24	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Tetrachloroethene	ND		100	1☼	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Tol7ene	ND		100	23	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
trans-1,2-Dichloroethene	ND		100	24	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
trans-1,☼Dichloromromene	ND		100	9x8	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Trichloroethene	ND		100	28	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
Trichlorou7oroz ethane	ND		100	43	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
yinBl chloriHe	ND		100	☼4	7g/Kg		09/03/21 20:53	09/08/21 11:52	1
dBlenes, Total	ND		200	55	7g/Kg		09/03/21 20:53	09/08/21 11:52	1

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

Lab Sample ID: MB 480-595491/2-A
Matrix: Solid
Analysis Batch: 595503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 595491

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		65 - 019	594524 0 / 5762	594584 0 0076/	0
0:/ -3,D loroed hne-d1 (Surr)	92		6t - 01a	594524 0 / 5762	594584 0 0076/	0
1-Bromofluorobenzene (Surr)	98		19 - 018	594524 0 / 5762	594584 0 0076/	0
3,bromofluoromed hne (Surr)	9/		a5 - 015	594524 0 / 5762	594584 0 0076/	0

Lab Sample ID: LCS 480-595491/1-A
Matrix: Solid
Analysis Batch: 595503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 595491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2390		7g/Kg		112	68 - 1☼0
1,1,2,2-Tetrachloroethane	2500	2490		7g/Kg		99	3☼ - 120
1,1,2-Trichloroethane	2500	2400		7g/Kg		96	80 - 120
1,1,2-Trichloro-1,2,2-triu7oroetha ne	2500	2460		7g/Kg		99	10 - 139
1,1-Dichloroethane	2500	2430		7g/Kg		99	38 - 121
1,1-Dichloroethene	2500	2☼40		7g/Kg		94	48 - 1☼☼
1,2,4-Trichlorobenf ene	2500	2☼50		7g/Kg		94	30 - 140
1,2-Dibroz o-☼Chloromromane	2500	☼☼00	VX	7g/Kg		1☼2	56 - 122
1,2-Dichlorobenf ene	2500	2400		7g/Kg		96	38 - 125
1,2-Dichloroethane	2500	2250		7g/Kg		90	34 - 123
1,2-Dichloromromane	2500	2510		7g/Kg		100	80 - 120
1,☼Dichlorobenf ene	2500	2430		7g/Kg		99	80 - 120
1,4-Dichlorobenf ene	2500	2500		7g/Kg		100	80 - 120
2-p7tanone (MEK)	12500	12300		7g/Kg		102	54 - 149
2-* e+anone	12500	1☼800		7g/Kg		111	59 - 123
4-MethBl-2-mentanone (MIpK)	12500	11900		7g/Kg		95	34 - 120
Acetone	12500	10900		7g/Kg		83	43 - 141
penf ene	2500	25☼0		7g/Kg		101	33 - 125
proz oHichloroz ethane	2500	2380		7g/Kg		111	31 - 121
proz owrz	2500	☼☼10	VX	7g/Kg		1☼2	48 - 125
proz oz ethane	2500	2180		7g/Kg		83	☼9 - 149
Carbon Hs7luiHe	2500	2480		7g/Kg		99	40 - 1☼6
Carbon tetrachloriHe	2500	☼460	VX	7g/Kg		1☼8	54 - 1☼5
Chlorobenf ene	2500	2430		7g/Kg		99	36 - 126
Dibroz ochloroz ethane	2500	☼☼90	VX	7g/Kg		1☼6	64 - 120
Chloroethane	2500	1830		7g/Kg		35	2☼ - 150
Chlorowrz	2500	2☼30		7g/Kg		95	38 - 120
Chloroz ethane	2500	2620		7g/Kg		105	61 - 124
cis-1,2-Dichloroethene	2500	2420		7g/Kg		93	39 - 124
cis-1,☼Dichloromromene	2500	2310		7g/Kg		108	35 - 121
CBclohe+ane	2500	2880		7g/Kg		115	49 - 129
DichloroHu7oroz ethane	2500	2910		7g/Kg		116	10 - 150
EthBlbenf ene	2500	25☼0		7g/Kg		101	38 - 124
1,2-Dibroz oethane	2500	2630		7g/Kg		103	80 - 120
IsomromBlbenf ene	2500	2550		7g/Kg		102	36 - 120
MethBl acetate	5000	4250		7g/Kg		85	31 - 12☼
MethBl tert-b7tBl ether	2500	2140		7g/Kg		86	63 - 1☼3
MethBlcBclohe+ane	2500	2810		7g/Kg		11☼	50 - 1☼0

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

Lab Sample ID: LCS 480-595491/1-A
Matrix: Solid
Analysis Batch: 595503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 595491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
MethBene ChloriHe	2500	2520		7g/Kg		101	35 - 118
StBrene	2500	2500		7g/Kg		100	80 - 120
Tetrachloroethene	2500	2580		7g/Kg		10☼	3☼ - 1☼☼
Tol7ene	2500	2500		7g/Kg		100	35 - 124
trans-1,2-Dichloroethene	2500	2460		7g/Kg		98	34 - 129
trans-1,☼Dichloromromene	2500	2800		7g/Kg		112	3☼ - 120
Trichloroethene	2500	2560		7g/Kg		102	35 - 1☼1
Trichlorou7oroz ethane	2500	1980		7g/Kg		39	29 - 158
yinBl chloriHe	2500	2360		7g/Kg		110	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*65 - 019*
0:/ -3,Di loroed hne-d1 (Surr)	*98*		*6t - 01a*
1-Bromofluorobenzene (Surr)	*98*		*19 - 018*
3,bromofluoromed hne (Surr)	*96*		*a5 - 015*

Lab Sample ID: MB 480-595624/2-A
Matrix: Solid
Analysis Batch: 595619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 595624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5x0	0x☼6	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,1,2,2-Tetrachloroethane	ND		5x0	0x81	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,1,2-Trichloroethane	ND		5x0	0x65	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,1,2-Trichloro-1,2,2-triu7oroethane	ND		5x0	1x1	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,1-Dichloroethane	ND		5x0	0x61	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,1-Dichloroethene	ND		5x0	0x61	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,2,4-Trichlorobenf ene	ND		5x0	0x☼0	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,2-Dibroz o-☼Chloromromane	ND		5x0	2x5	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,2-Dichlorobenf ene	ND		5x0	0x☼9	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,2-Dichloroethane	ND		5x0	0x25	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,2-Dichloromromane	ND		5x0	2x5	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,☼Dichlorobenf ene	ND		5x0	0x26	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
1,4-Dichlorobenf ene	ND		5x0	0x30	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
2-p7tanone (MEK)	ND		25	1x8	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
2-* e+anone	ND		25	2x5	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
4-MethBl-2-mentanone (MIpK)	ND		25	1x6	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
Acetone	ND		25	4x2	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
penf ene	ND		5x0	0x25	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
proz oHichloroz ethane	ND		5x0	0x63	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
proz owrz	ND		5x0	2x5	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
proz oz ethane	ND		5x0	0x45	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
Carbon His7luHe	ND		5x0	2x5	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
Carbon tetrachloriHe	ND		5x0	0x48	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
Chlorobenf ene	ND		5x0	0x66	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
Dibroz ochloroz ethane	ND		5x0	0x64	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
Chloroethane	ND		5x0	1x1	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1
Chlorowrz	ND		5x0	0x☼1	7g/Kg		09/08/21 16:☼2	09/08/21 18:0☼	1

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

Lab Sample ID: MB 480-595624/2-A
Matrix: Solid
Analysis Batch: 595619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 595624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroz ethane	ND		5x0	0x0	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
cis-1,2-Dichloroethene	ND		5x0	0x64	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
cis-1,-Dichloromomene	ND		5x0	0x32	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
CBclohe+ane	ND		5x0	0x30	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
DichloroHu7oroz ethane	ND		5x0	0x41	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
EthBlbenf ene	ND		5x0	0x5	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
1,2-Dibroz oethane	ND		5x0	0x64	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
IsomromBlbenf ene	ND		5x0	0x35	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
MethBl acetate	ND		25	0	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
MethBl tert-b7tBl ether	ND		5x0	0x49	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
MethBlcBclohe+ane	ND		5x0	0x36	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
MethBlene ChloriHe	ND		5x0	2x	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
StBrene	ND		5x0	0x25	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
Tetrachloroethene	ND		5x0	0x63	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
Tol7ene	ND		5x0	0x8	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
trans-1,2-Dichloroethene	ND		5x0	0x52	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
trans-1,-Dichloromomene	ND		5x0	2x2	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
Trichloroethene	ND		5x0	1x1	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
TrichlorouI7oroz ethane	ND		5x0	0x43	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
yinBl chloriHe	ND		5x0	0x61	7g/Kg		09/08/21 16:2	09/08/21 18:0	1
dBlenes, Total	ND		10	0x84	7g/Kg		09/08/21 16:2	09/08/21 18:0	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*20 - 0/ 6*	*594584 0 0a7t /*	*594584 0 0875t*	*0*
0:/ -3,Di loroed hne-d1 (Surr)	*05/*		*a1 - 0/ a*	*594584 0 0a7t /*	*594584 0 0875t*	*0*
1-Bromofluorobenzene (Surr)	*059*		*2/ - 0/ a*	*594584 0 0a7t /*	*594584 0 0875t*	*0*
3,bromofluoromed hne (Surr)	*052*		*a5 - 015*	*594584 0 0a7t /*	*594584 0 0875t*	*0*

Lab Sample ID: LCS 480-595624/1-A
Matrix: Solid
Analysis Batch: 595619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 595624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50x0	50x0		7g/Kg		100	33 - 121
1,1,2,2-Tetrachloroethane	50x0	48x3		7g/Kg		93	80 - 120
1,1,2-Trichloroethane	50x0	48x3		7g/Kg		93	38 - 122
1,1,2-Trichloro-1,2,2-triu7oroetha ne	50x0	5x5		7g/Kg		103	60 - 140
1,1-Dichloroethane	50x0	50x3		7g/Kg		101	3 - 126
1,1-Dichloroethene	50x0	49x3		7g/Kg		99	59 - 125
1,2,4-Trichlorobenf ene	50x0	43x8		7g/Kg		96	64 - 120
1,2-Dibroz o-Chloromomane	50x0	46x5		7g/Kg		9	6 - 124
1,2-Dichlorobenf ene	50x0	43x2		7g/Kg		94	35 - 120
1,2-Dichloroethane	50x0	51x2		7g/Kg		102	33 - 122
1,2-Dichloromomane	50x0	50x1		7g/Kg		100	35 - 124
1,-Dichlorobenf ene	50x0	46x3		7g/Kg		9	34 - 120
1,4-Dichlorobenf ene	50x0	45x9		7g/Kg		92	3 - 120
2-p7tanone (MEK)	250	289		7g/Kg		116	30 - 1 4
2-* e+anone	250	253		7g/Kg		10	59 - 1 0

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

Lab Sample ID: LCS 480-595624/1-A
Matrix: Solid
Analysis Batch: 595619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 595624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-MethBl-2-mentanone (MIpK)	250	244		7g/Kg		98	65 - 1☼☼
Acetone	250	☼2☼		7g/Kg		129	61 - 1☼3
penf ene	50x0	51x☼		7g/Kg		10☼	39 - 123
proz oHichloroz ethane	50x0	51x5		7g/Kg		10☼	80 - 122
proz owrz	50x0	49x☼		7g/Kg		99	68 - 126
proz oz ethane	50x0	60x1		7g/Kg		120	☼3 - 149
Carbon Hs7luHe	50x0	52x3		7g/Kg		105	64 - 1☼1
Carbon tetrachloriHe	50x0	48x0		7g/Kg		96	35 - 1☼5
Chlorobenf ene	50x0	49x0		7g/Kg		98	36 - 124
Dibroz ochloroz ethane	50x0	48x☼		7g/Kg		93	36 - 125
Chloroethane	50x0	56x☼		7g/Kg		11☼	69 - 1☼5
Chlorowrz	50x0	49x9		7g/Kg		100	80 - 120
Chloroz ethane	50x0	54x2		7g/Kg		108	6☼- 123
cis-1,2-Dichloroethene	50x0	5☼x2		7g/Kg		106	81 - 120
cis-1,☼Dichloromromene	50x0	52x4		7g/Kg		105	80 - 120
CBclohe+ane	50x0	43x3		7g/Kg		95	65 - 120
DichloroHu7oroz ethane	50x0	51x8		7g/Kg		104	53 - 142
EthBlbenf ene	50x0	46x8		7g/Kg		94	80 - 120
1,2-Dibroz oethane	50x0	50x3		7g/Kg		101	38 - 120
IsomromBlbenf ene	50x0	44x9		7g/Kg		90	32 - 120
MethBl acetate	100	103		7g/Kg		103	55 - 1☼6
MethBl tert-b7tBl ether	50x0	5☼x4		7g/Kg		103	6☼- 125
MethBlcBclohe+ane	50x0	49x5		7g/Kg		99	60 - 140
MethBlene ChloriHe	50x0	54x☼		7g/Kg		109	61 - 123
StBrene	50x0	48x5		7g/Kg		93	80 - 120
Tetrachloroethene	50x0	43x3		7g/Kg		95	34 - 122
Tol7ene	50x0	43x☼		7g/Kg		95	34 - 128
trans-1,2-Dichloroethene	50x0	51x2		7g/Kg		102	38 - 126
trans-1,☼Dichloromromene	50x0	48x0		7g/Kg		96	3☼- 12☼
Trichloroethene	50x0	51x1		7g/Kg		102	33 - 129
Trichlorou7oroz ethane	50x0	55x9		7g/Kg		112	65 - 146
yinBl chloriHe	50x0	53x6		7g/Kg		115	61 - 1☼☼

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*9a*		*20 - 0/ 6*
0:/ -3,D loroed hne-d1 (Surr)	*96*		*a1 - 0/ a*
1-Bromofluorobenzene (Surr)	*05a*		*2/ - 0/ a*
3,bromofluoromed hne (Surr)	*058*		*a5 - 015*

Lab Sample ID: 480-189159-2 MS
Matrix: Solid
Analysis Batch: 595619

Client Sample ID: MW-11 14-15' MS 090321
Prep Type: Total/NA
Prep Batch: 595624

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	vs	59x9	58x☼	vs V☼	7g/Kg	.	93	33 - 121
1,1,2,2-Tetrachloroethane	ND	vs V☼F1 F2	59x9	☼8x3	vs V☼F1	7g/Kg	.	65	80 - 120
1,1,2-Trichloroethane	ND	vs V☼F1 F2	59x9	44x0	vs V☼F1	7g/Kg	.	3☼	38 - 122

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

Lab Sample ID: 480-189159-2 MS
Matrix: Solid
Analysis Batch: 595619

Client Sample ID: MW-11 14-15' MS 090321
Prep Type: Total/NA
Prep Batch: 595624

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloro-1,2,2-triu7oroetha ne	ND	vs	59x9	60x4	vs V☼	7g/Kg	.	101	60 - 140
1,1-Dichloroethane	ND	vs	59x9	58x☼	vs V☼	7g/Kg	.	93	3☼ - 126
1,1-Dichloroethene	ND	vs	59x9	50x2	vs V☼	7g/Kg	.	84	59 - 125
1,2,4-Trichlorobenf ene	ND	vs V☼F1	59x9	16x8	vs V☼F1	7g/Kg	.	28	64 - 120
1,2-Dibroz o-☼Chloromromane	ND	vs V☼F1 F2	59x9	23x4	vs V☼F1	7g/Kg	.	46	6☼ - 124
1,2-Dichlorobenf ene	ND	vs V☼F1	59x9	☼2x9	vs V☼F1	7g/Kg	.	55	35 - 120
1,2-Dichloroethane	ND	vs	59x9	49x☼	vs V☼	7g/Kg	.	82	33 - 122
1,2-Dichloromromane	ND	vs	59x9	53x☼	vs V☼	7g/Kg	.	96	35 - 124
1,☼Dichlorobenf ene	ND	vs V☼F1	59x9	29x1	vs V☼F1	7g/Kg	.	49	34 - 120
1,4-Dichlorobenf ene	ND	vs V☼F1	59x9	26x8	vs V☼F1	7g/Kg	.	45	3☼ - 120
2-p7tanone (MEK)	ND	vs	☼00	242	vs V☼	7g/Kg	.	81	30 - 1☼4
2-* e+anone	ND	vs V☼	☼00	20☼	vs V☼	7g/Kg	.	68	59 - 1☼0
4-MethBl-2-mentanone (MIpK)	ND	vs V☼F2	☼00	200	vs V☼	7g/Kg	.	63	65 - 1☼☼
Acetone	ND	vs	☼00	289	vs V☼	7g/Kg	.	93	61 - 1☼3
penf ene	ND	vs	59x9	58x☼	vs V☼	7g/Kg	.	93	39 - 123
proz oHichloroz ethane	ND	vs	59x9	5☼x1	vs V☼	7g/Kg	.	89	80 - 122
proz ouorz	ND	vs V☼F1	59x9	☼3x☼	vs V☼F1	7g/Kg	.	62	68 - 126
proz oz ethane	ND	vs	59x9	35x8	vs V☼	7g/Kg	.	126	☼3 - 149
Carbon Hs7luiHe	ND	vs	59x9	46x4	vs V☼	7g/Kg	.	33	64 - 1☼1
Carbon tetrachloriHe	ND	vs	59x9	52x3	vs V☼	7g/Kg	.	88	35 - 1☼5
Chlorobenf ene	ND	vs V☼F1	59x9	40x8	vs V☼F1	7g/Kg	.	68	36 - 124
Dibroz ochloroz ethane	ND	vs V☼F1 F2	59x9	42x5	vs V☼F1	7g/Kg	.	31	36 - 125
Chloroethane	ND	vs F1	59x9	6☼x1	vs V☼	7g/Kg	.	105	69 - 1☼5
Chlorouorz	0x40	J vs	59x9	53x3	vs V☼	7g/Kg	.	96	80 - 120
Chloroz ethane	ND	vs F1	59x9	6☼x2	vs V☼	7g/Kg	.	105	6☼ - 123
cis-1,2-Dichloroethene	ND	vs	59x9	54x0	vs V☼	7g/Kg	.	90	80 - 120
cis-1,☼Dichloromromene	ND	vs F1	59x9	43x9	vs V☼	7g/Kg	.	80	80 - 120
CBclohe+ane	ND	vs	59x9	51x5	vs V☼	7g/Kg	.	86	65 - 120
DichloroHiu7oroz ethane	ND	vs	59x9	62x4	vs V☼	7g/Kg	.	104	53 - 142
EthBlbenf ene	ND	vs V☼F1	59x9	42x0	vs V☼F1	7g/Kg	.	30	80 - 120
1,2-Dibroz oethane	ND	vs V☼F1	59x9	☼3x9	vs V☼F1	7g/Kg	.	6☼	38 - 120
IsomromBlbenf ene	ND	vs V☼F1 F2	59x9	42x0	vs V☼F1	7g/Kg	.	30	32 - 120
MethBl acetate	ND	vs	120	89x9	vs V☼	7g/Kg	.	35	55 - 1☼6
MethBl tert-b7tBl ether	ND	vs	59x9	58x8	vs V☼	7g/Kg	.	98	6☼ - 125
MethBlcBclohe+ane	ND	vs	59x9	52x6	vs V☼	7g/Kg	.	88	60 - 140
MethBlene ChloriHe	16	vs	59x9	60x5	vs V☼	7g/Kg	.	35	61 - 123
StBrene	ND	vs V☼F1	59x9	☼3x6	vs V☼F1	7g/Kg	.	6☼	80 - 120
Tetrachloroethene	1x4	J vs V☼F1	59x9	4☼x9	vs V☼F1	7g/Kg	.	31	34 - 122
Tol7ene	ND	vs V☼	59x9	44x8	vs V☼	7g/Kg	.	35	34 - 128
trans-1,2-Dichloroethene	ND	vs	59x9	51x2	vs V☼	7g/Kg	.	85	38 - 126
trans-1,☼Dichloromromene	ND	vs V☼F1	59x9	☼4x9	vs V☼F1	7g/Kg	.	58	3☼ - 12☼
Trichloroethene	ND	vs F1	59x9	49x5	vs V☼	7g/Kg	.	8☼	33 - 129
Trichlorou7oroz ethane	ND	vs	59x9	65x5	vs V☼	7g/Kg	.	109	65 - 146
yinBl chloriHe	ND	vs F1	59x9	65x8	vs V☼	7g/Kg	.	110	61 - 1☼☼

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

Lab Sample ID: 480-189159-2 MS
Matrix: Solid
Analysis Batch: 595619

Client Sample ID: MW-11 14-15' MS 090321
Prep Type: Total/NA
Prep Batch: 595624

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	9t	*t	20 - 0/ 6
0:/ -3,Di loroed hne-d1 (Surr)	92	*t	a1 - 0/ a
1-Bromofluorobenzene (Surr)	056	*t	2/ - 0/ a
3,bromofluoromed hne (Surr)	00t	*t	a5 - 015

Lab Sample ID: 480-189159-2 MSD
Matrix: Solid
Analysis Batch: 595619

Client Sample ID: MW-11 14-15' MSD 090321
Prep Type: Total/NA
Prep Batch: 595624

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	vs	60x0	69x5	vs	7g/Kg	.	116	33 - 121	18	☼0
1,1,2,2-Tetrachloroethane	ND	vs V☼F1 F2	60x0	96x0	vs V☼F1 F2	7g/Kg	.	160	80 - 120	85	☼0
1,1,2-Trichloroethane	ND	vs V☼F1 F2	60x0	60x8	vs F2	7g/Kg	.	101	38 - 122	☼2	☼0
1,1,2-Trichloro-1,2,2-triu7oroetha ne	ND	vs	60x0	36x4	vs	7g/Kg	.	123	60 - 140	2☼	☼0
1,1-Dichloroethane	ND	vs	60x0	66x5	vs	7g/Kg	.	111	3☼ - 126	1☼	☼0
1,1-Dichloroethene	ND	vs	60x0	6☼8	vs	7g/Kg	.	106	59 - 125	24	☼0
1,2,4-Trichlorobenf ene	ND	vs V☼F1	60x0	1☼1	vs V☼F1	7g/Kg	.	22	64 - 120	25	☼0
1,2-Dibroz o-☼Chloromromane	ND	vs V☼F1 F2	60x0	51x9	vs V☼F2	7g/Kg	.	86	6☼ - 124	62	☼0
1,2-Dichlorobenf ene	ND	vs V☼F1	60x0	☼9x8	vs V☼F1	7g/Kg	.	66	35 - 120	19	☼0
1,2-Dichloroethane	ND	vs	60x0	49x8	vs	7g/Kg	.	8☼	33 - 122	1	☼0
1,2-Dichloromromane	ND	vs	60x0	60x☼	vs	7g/Kg	.	100	35 - 124	5	☼0
1,☼Dichlorobenf ene	ND	vs V☼F1	60x0	☼6x3	vs V☼F1	7g/Kg	.	61	34 - 120	2☼	☼0
1,4-Dichlorobenf ene	ND	vs V☼F1	60x0	☼1x5	vs V☼F1	7g/Kg	.	52	3☼ - 120	16	☼0
2-p7tanone (MEK)	ND	vs	☼00	25☼	vs	7g/Kg	.	84	30 - 1☼4	4	☼0
2-* e+anone	ND	vs V☼	☼00	224	vs	7g/Kg	.	34	59 - 1☼0	9	☼0
4-MethB-2-mentanone (MIpK)	ND	vs V☼F2	☼00	28☼	vs F2	7g/Kg	.	94	65 - 1☼☼	☼4	☼0
Acetone	ND	vs	☼00	☼08	vs	7g/Kg	.	10☼	61 - 1☼3	6	☼0
penf ene	ND	vs	60x0	61x6	vs	7g/Kg	.	10☼	39 - 123	5	☼0
proz oHichloroz ethane	ND	vs	60x0	54x9	vs	7g/Kg	.	91	80 - 122	☼	☼0
proz owrz	ND	vs V☼F1	60x0	45x0	vs	7g/Kg	.	35	68 - 126	19	☼0
proz oz ethane	ND	vs	60x0	8☼5	vs	7g/Kg	.	1☼9	☼3 - 149	10	☼0
Carbon Hs7luHe	ND	vs	60x0	53x1	vs	7g/Kg	.	95	64 - 1☼1	21	☼0
Carbon tetrachloriHe	ND	vs	60x0	65x4	vs	7g/Kg	.	109	35 - 1☼5	22	☼0
Chlorobenf ene	ND	vs V☼F1	60x0	42x1	vs F1	7g/Kg	.	30	36 - 124	☼	☼0
Dibroz ochloroz ethane	ND	vs V☼F1 F2	60x0	53x9	vs F2	7g/Kg	.	96	36 - 125	☼1	☼0
Chloroethane	ND	vs F1	60x0	82x9	vs F1	7g/Kg	.	1☼8	69 - 1☼5	23	☼0
Chlorowrz	0x40	J vs	60x0	62x☼	vs	7g/Kg	.	10☼	80 - 120	8	☼0
Chloroz ethane	ND	vs F1	60x0	84x8	vs F1	7g/Kg	.	141	6☼ - 123	29	☼0
cis-1,2-Dichloroethene	ND	vs	60x0	58x2	vs	7g/Kg	.	93	80 - 120	8	☼0
cis-1,☼Dichloromromene	ND	vs F1	60x0	☼9x5	vs F1	7g/Kg	.	66	80 - 120	19	☼0
CBclohe+ane	ND	vs	60x0	60x9	vs	7g/Kg	.	101	65 - 120	13	☼0
DichloroHu7oroz ethane	ND	vs	60x0	35x4	vs	7g/Kg	.	126	53 - 142	19	☼0
EthBlbenf ene	ND	vs V☼F1	60x0	43x9	vs	7g/Kg	.	80	80 - 120	1☼	☼0
1,2-Dibroz oethane	ND	vs V☼F1	60x0	☼9x8	vs F1	7g/Kg	.	66	38 - 120	5	☼0

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

Lab Sample ID: 480-189159-2 MSD
Client Sample ID: MW-11 14-15' MSD 090321
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 595619
Prep Batch: 595624

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropylbenzene	ND	vs V☼F1 F2	60.0	98.4	vs V☼F1 F2	ug/Kg	☼	164	32 - 120	80	☼0
Methyl acetate	ND	vs	120	94.8	vs	ug/Kg	☼	39	55 - 1☼6	5	☼0
Methyl tert-butyl ether	ND	vs	60.0	64.6	vs	ug/Kg	☼	108	6☼ - 125	9	☼0
Methylcyclohexane	ND	vs	60.0	5☼.6	vs	ug/Kg	☼	89	60 - 140	2	☼0
Methylene Chloride	16	vs	60.0	39.4	vs	ug/Kg	☼	106	61 - 123	23	☼0
Styrene	ND	vs V☼F1	60.0	☼1.9	vs F1	ug/Kg	☼	5☼	80 - 120	16	☼0
Tetrachloroethene	1.4	J vs V☼F1	60.0	56.5	vs	ug/Kg	☼	92	34 - 122	25	☼0
Toluene	ND	vs V☼	60.0	60.2	vs	ug/Kg	☼	100	34 - 128	29	☼0
trans-1,2-Dichloroethene	ND	vs	60.0	54.x☼	vs	ug/Kg	☼	91	38 - 126	6	☼0
trans-1,☼Dichloropropene	ND	vs V☼F1	60.0	☼6.4	vs F1	ug/Kg	☼	61	3☼ - 12☼	4	☼0
Trichloroethene	ND	vs F1	60.0	44.9	vs F1	ug/Kg	☼	35	33 - 129	10	☼0
Trichlorofluoromethane	ND	vs	60.0	38.9	vs	ug/Kg	☼	1☼1	65 - 146	19	☼0
Vinyl chloride	ND	vs F1	60.0	8☼.1	vs F1	ug/Kg	☼	1☼8	61 - 1☼☼	2☼	☼0

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*0/ t*		*20 - 0/ 6*
0:/ -3,Dichloroethane-d1 (Surr)	*95*		*a1 - 0/ a*
1-Bromofluorobenzene (Surr)	*21*		*2/ - 0/ a*
3,bromofluoromethane (Surr)	*00t*		*a5 - 015*

QC Association Summary

Client: AECOM
Job ID: 480-189159-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

GC/MS VOA

Prep Batch: 595491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-189159-1	MW-11 9.5-10' 090321	Total/NA	Solid	5035A_H	
480-189159-3	DUP	Total/NA	Solid	5035A_H	
MB 480-595491/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-595491/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 595503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-189159-1	MW-11 9.5-10' 090321	Total/NA	Solid	8260C	595491
480-189159-3	DUP	Total/NA	Solid	8260C	595491
MB 480-595491/2-A	Method Blank	Total/NA	Solid	8260C	595491
LCS 480-595491/1-A	Lab Control Sample	Total/NA	Solid	8260C	595491

Analysis Batch: 595619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-189159-2	MW-11 14-15' 090321	Total/NA	Solid	8260C	595624
MB 480-595624/2-A	Method Blank	Total/NA	Solid	8260C	595624
LCS 480-595624/1-A	Lab Control Sample	Total/NA	Solid	8260C	595624
480-189159-2 MS	MW-11 14-15' MS 090321	Total/NA	Solid	8260C	595624
480-189159-2 MSD	MW-11 14-15' MSD 090321	Total/NA	Solid	8260C	595624

Prep Batch: 595624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-189159-2	MW-11 14-15' 090321	Total/NA	Solid	5035A_L	
MB 480-595624/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-595624/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
480-189159-2 MS	MW-11 14-15' MS 090321	Total/NA	Solid	5035A_L	
480-189159-2 MSD	MW-11 14-15' MSD 090321	Total/NA	Solid	5035A_L	

General Chemistry

Analysis Batch: 595492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-189159-1	MW-11 9.5-10' 090321	Total/NA	Solid	Moisture	
480-189159-2	MW-11 14-15' 090321	Total/NA	Solid	Moisture	
480-189159-3	DUP	Total/NA	Solid	Moisture	
480-189159-2 MS	MW-11 14-15' MS 090321	Total/NA	Solid	Moisture	
480-189159-2 MSD	MW-11 14-15' MSD 090321	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AECOM
Job ID: 480-189159-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Client Sample ID: MW-11 9.5-10' 090321
Lab Sample ID: 480-189159-1
Date Collected: 09/03/21 09:00
Matrix: Solid
Date Received: 09/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	595492	09/07/21 21:55	CDC	TAL BUF

Client Sample ID: MW-11 9.5-10' 090321
Lab Sample ID: 480-189159-1
Date Collected: 09/03/21 09:00
Matrix: Solid
Date Received: 09/04/21 08:00
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			595491	09/07/21 20:57	CDC	TAL BUF
Total/NA	Analysis	8260C		4	595503	09/08/21 14:37	WJD	TAL BUF

Client Sample ID: MW-11 14-15' 090321
Lab Sample ID: 480-189159-2
Date Collected: 09/03/21 09:10
Matrix: Solid
Date Received: 09/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	595492	09/07/21 21:55	CDC	TAL BUF

Client Sample ID: MW-11 14-15' 090321
Lab Sample ID: 480-189159-2
Date Collected: 09/03/21 09:10
Matrix: Solid
Date Received: 09/04/21 08:00
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			595624	09/08/21 16:32	WJD	TAL BUF
Total/NA	Analysis	8260C		1	595619	09/08/21 18:26	WJD	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-189159-3
Date Collected: 09/03/21 09:10
Matrix: Solid
Date Received: 09/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	595492	09/07/21 21:55	CDC	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-189159-3
Date Collected: 09/03/21 09:10
Matrix: Solid
Date Received: 09/04/21 08:00
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			595491	09/07/21 20:57	CDC	TAL BUF
Total/NA	Analysis	8260C		10	595503	09/08/21 15:00	WJD	TAL BUF

Laboratory References:
TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: AECOM
Job ID: 480-189159-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: AECOM
Job ID: 480-189159-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: AECOM
Job ID: 480-189159-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-189159-1	MW-11 9.5-10' 090321	Solid	09/03/21 09:00	09/04/21 08:00
480-189159-2	MW-11 14-15' 090321	Solid	09/03/21 09:10	09/04/21 08:00
480-189159-3	DUP	Solid	09/03/21 09:10	09/04/21 08:00

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing America

Client Information	Sampler: Alexandra Holden	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-164046-36016.1
Client Contact: Jennifer Gillies	Phone: 618-925-4957	E-Mail: John.Schove@Eurofinset.com	State of Origin: NY	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: 40 British American Blvd	Due Date Requested:			
City: Latham	TAT Requested (days): 5 day TAT			
State, Zip: NY, 12110	Compliance Project: Δ Yes Δ No			
Phone: 518-951-2390(Tel)	PO #: 99103			
Email: Jennifer.Gillies@aecom.com	WO #: jennifer.gillies@aecom.com			
Project Name: 60562248, Walgreen's Site (Kingston, NY)	Project #: 48006310			
Site:	SSOW#:			

480-189159 Chain of Custody

Analysis R

Hexane
Ione
NaNO2
Na2O4S
Na2SO3
Na2S2O3
H2SO4
TSP Dodecahydrate

I - Ice
J - DI Water
K - EDTA
L - EDA
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	N	X	
MW-11 9.5-10' 090321	9/3/21	0900	G	Solid	N	N	X	1	
MW-11 14-15' 090321		0910		Solid		Y	X		*MS/MSD taken here
MS 090321		0910		Solid		N	X		
MSD 090321		0910		Solid			X		
DUP	—	—		Solid			X		

AG

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) ASP Cat B QA/QC deliverables

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Alexandra Holden	09/03/21 1215	AECOM		9-3-2021 1215	EETM
2		9-3-2021 1700	EETM			
3					9/4/21 800	ITAS

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.4 #1

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-189159-1

Login Number: 189159
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 480-189431-1

Job Description: 60562248, Walgreen's Site (Kingston, NY)

For:
AECOM Technical Services Inc.
40 British American Boulevard
Latham, NY 12110

Attention: Karen Peppin

Approved for release.
Rebecca M Jones
Project Management Assistant I
9/16/2021 1:32 PM

Designee for
John R Schove, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9838
John.Schove@Eurofinset.com
09/16/2021

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Table of Contents

Table of Contents

Job Narrative
480-189431-1

Comments
No additional comments.

Receipt
The sample was received on 9/11/2021 8:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-11 091021 (480-189431-1). Elevated reporting limits (RLs) are provided.

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

Sample Summary

Client: AECOM Technical Services Inc.
Job ID: 480-189431-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-189431-1	MW-11 091021	Water	09/10/21 10:25	09/11/21 08:00

Detection Summary

Client: AECOM Technical Services Inc. Job ID: 480-189431-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Client Sample ID: MW-11 091021 Lab Sample ID: 480-189431-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	19		8.0	6.5	ug/L	8		8260C	Total/NA
Tetrachloroethene	340		8.0	2.9	ug/L	8		8260C	Total/NA
Trichloroethene	49		8.0	3.7	ug/L	8		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: AECOM Technical Services Inc. Job ID: 480-189431-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample ID: MW-11 091021
Date Collected: 09/10/21 10:25
Date Received: 09/11/21 08:00

Lab Sample ID: 480-189431-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			09/15/21 13:59	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			09/15/21 13:59	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			09/15/21 13:59	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			09/15/21 13:59	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			09/15/21 13:59	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			09/15/21 13:59	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			09/15/21 13:59	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			09/15/21 13:59	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			09/15/21 13:59	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			09/15/21 13:59	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			09/15/21 13:59	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			09/15/21 13:59	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			09/15/21 13:59	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			09/15/21 13:59	8
2-Butanone (MEK)	ND		80	11	ug/L			09/15/21 13:59	8
2-Hexanone	ND		40	9.9	ug/L			09/15/21 13:59	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			09/15/21 13:59	8
Acetone	ND		80	24	ug/L			09/15/21 13:59	8
Benzene	ND		8.0	3.3	ug/L			09/15/21 13:59	8
Bromodichloromethane	ND		8.0	3.1	ug/L			09/15/21 13:59	8
Bromoform	ND		8.0	2.1	ug/L			09/15/21 13:59	8
Bromomethane	ND		8.0	5.5	ug/L			09/15/21 13:59	8
Carbon disulfide	ND		8.0	1.5	ug/L			09/15/21 13:59	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			09/15/21 13:59	8
Chlorobenzene	ND		8.0	6.0	ug/L			09/15/21 13:59	8
Chloroethane	ND		8.0	2.6	ug/L			09/15/21 13:59	8
Chloroform	ND		8.0	2.7	ug/L			09/15/21 13:59	8
Chloromethane	ND		8.0	2.8	ug/L			09/15/21 13:59	8
cis-1,2-Dichloroethene	**19**		8.0	6.5	ug/L			09/15/21 13:59	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			09/15/21 13:59	8
Cyclohexane	ND		8.0	1.4	ug/L			09/15/21 13:59	8
Dibromochloromethane	ND		8.0	2.6	ug/L			09/15/21 13:59	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			09/15/21 13:59	8
Ethylbenzene	ND		8.0	5.9	ug/L			09/15/21 13:59	8
Isopropylbenzene	ND		8.0	6.3	ug/L			09/15/21 13:59	8
Methyl acetate	ND		20	10	ug/L			09/15/21 13:59	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			09/15/21 13:59	8
Methylcyclohexane	ND		8.0	1.3	ug/L			09/15/21 13:59	8
Methylene Chloride	ND		8.0	3.5	ug/L			09/15/21 13:59	8
Styrene	ND		8.0	5.8	ug/L			09/15/21 13:59	8
Tetrachloroethene	**340**		8.0	2.9	ug/L			09/15/21 13:59	8
Toluene	ND		8.0	4.1	ug/L			09/15/21 13:59	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			09/15/21 13:59	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			09/15/21 13:59	8
Trichloroethene	**49**		8.0	3.7	ug/L			09/15/21 13:59	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			09/15/21 13:59	8
Vinyl chloride	ND		8.0	7.2	ug/L			09/15/21 13:59	8
Xylenes, Total	ND		16	5.3	ug/L			09/15/21 13:59	8

Client: AECOM Technical Services Inc. Job ID: 480-189431-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Client Sample ID: MW-11 091021 **Lab Sample ID: 480-189431-1**
Date Collected: 09/10/21 10:25 **Matrix: Water**
Date Received: 09/11/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		09/15/21 13:59	8
4-Bromofluorobenzene (Surr)	92		73 - 120		09/15/21 13:59	8
Dibromofluoromethane (Surr)	100		75 - 123		09/15/21 13:59	8
Toluene-d8 (Surr)	96		80 - 120		09/15/21 13:59	8

Surrogate Summary

Client: AECOM Technical Services Inc. Job ID: 480-189431-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-189431-1	MW-11 091021	100	92	100	96
LCS 480-596422/5	Lab Control Sample	99	102	100	99
MB 480-596422/7	Method Blank	98	100	100	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-596422/7
Matrix: Water
Analysis Batch: 596422

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	ND		1.0	0.82	ug/L			09/15/21 13:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/15/21 13:26	1
1,1,2-Trichloro-1,2,2-tri7uoroethane	ND		1.0	0.31	ug/L			09/15/21 13:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/15/21 13:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/15/21 13:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/15/21 13:26	1
1,2,4-Trichlorobenf ene	ND		1.0	0.41	ug/L			09/15/21 13:26	1
1,2-Dibroz o-3-Chloromromane	ND		1.0	0.39	ug/L			09/15/21 13:26	1
1,2-Dibroz oethane	ND		1.0	0.p3	ug/L			09/15/21 13:26	1
1,2-Dichlorobenf ene	ND		1.0	0.p9	ug/L			09/15/21 13:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/15/21 13:26	1
1,2-Dichloromromane	ND		1.0	0.p2	ug/L			09/15/21 13:26	1
1,3-Dichlorobenf ene	ND		1.0	0.p8	ug/L			09/15/21 13:26	1
1,4-Dichlorobenf ene	ND		1.0	0.84	ug/L			09/15/21 13:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/15/21 13:26	1
2-Hexanone	ND		5.0	1.2	ug/L			09/15/21 13:26	1
4-Methyl-2-mentanone (MIBK)	ND		5.0	2.1	ug/L			09/15/21 13:26	1
Acetone	ND		10	3.0	ug/L			09/15/21 13:26	1
Benf ene	ND		1.0	0.41	ug/L			09/15/21 13:26	1
Broz odichloroz ethane	ND		1.0	0.39	ug/L			09/15/21 13:26	1
Broz o7orz	ND		1.0	0.26	ug/L			09/15/21 13:26	1
Broz oz ethane	ND		1.0	0.69	ug/L			09/15/21 13:26	1
Carbon disul7de	ND		1.0	0.19	ug/L			09/15/21 13:26	1
Carbon tetrachloride	ND		1.0	0.2p	ug/L			09/15/21 13:26	1
Chlorobenf ene	ND		1.0	0.p5	ug/L			09/15/21 13:26	1
Chloroethane	ND		1.0	0.32	ug/L			09/15/21 13:26	1
Chloro7orz	ND		1.0	0.34	ug/L			09/15/21 13:26	1
Chloroz ethane	ND		1.0	0.35	ug/L			09/15/21 13:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/15/21 13:26	1
cis-1,3-Dichloromromene	ND		1.0	0.36	ug/L			09/15/21 13:26	1
Cyclohexane	ND		1.0	0.18	ug/L			09/15/21 13:26	1
Dibroz ochloroz ethane	ND		1.0	0.32	ug/L			09/15/21 13:26	1
Dichlorodi7uoroz ethane	ND		1.0	0.68	ug/L			09/15/21 13:26	1
Ethylbenf ene	ND		1.0	0.p4	ug/L			09/15/21 13:26	1
Isomromylbenf ene	ND		1.0	0.p9	ug/L			09/15/21 13:26	1
Methyl acetate	ND		2.5	1.3	ug/L			09/15/21 13:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/15/21 13:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/15/21 13:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/15/21 13:26	1
Styrene	ND		1.0	0.p3	ug/L			09/15/21 13:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/15/21 13:26	1
Toluene	ND		1.0	0.51	ug/L			09/15/21 13:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/15/21 13:26	1
trans-1,3-Dichloromromene	ND		1.0	0.3p	ug/L			09/15/21 13:26	1
Trichloroethene	ND		1.0	0.46	ug/L			09/15/21 13:26	1
Trichloro7uoroz ethane	ND		1.0	0.88	ug/L			09/15/21 13:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/15/21 13:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/15/21 13:26	1

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

Lab Sample ID: MB 480-596422/7
Matrix: Water
Analysis Batch: 596422

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	07		99 - 12/		/ 05/35/21 1: :82B	1
4-mrof obuorozenTene (Surr)	1/ /		9: - 12/		/ 05/35/21 1: :82B	1
Dizrof obuorof ethane (Surr)	1/ /		93 - 12:		/ 05/35/21 1: :82B	1
6oluene-d7 (Surr)	1/ B		7/ - 12/		/ 05/35/21 1: :82B	1

Lab Sample ID: LCS 480-596422/5
Matrix: Water
Analysis Batch: 596422

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	25.4		ug/L		102	p3 - 126
1,1,2,2-Tetrachloroethane	25.0	25.0		ug/L		100	p6 - 120
1,1,2-Trichloro-1,2,2-tri7uoroetha ne	25.0	26.5		ug/L		106	61 - 148
1,1,2-Trichloroethane	25.0	24.1		ug/L		9p	p6 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		98	pp - 120
1,1-Dichloroethene	25.0	23.9		ug/L		96	66 - 12p
1,2,4-Trichlorobenf ene	25.0	24.4		ug/L		98	p9 - 122
1,2-Dibroz o-3-Chloromromane	25.0	26.2		ug/L		105	56 - 134
1,2-Dibroz oethane	25.0	26.2		ug/L		105	pp - 120
1,2-Dichlorobenf ene	25.0	24.p		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	23.9		ug/L		95	p5 - 120
1,2-Dichloromromane	25.0	24.5		ug/L		98	p6 - 120
1,3-Dichlorobenf ene	25.0	24.9		ug/L		100	pp - 120
1,4-Dichlorobenf ene	25.0	25.1		ug/L		100	80 - 120
2-Butanone (MEK)	125	131		ug/L		105	5p - 140
2-Hexanone	125	130		ug/L		104	65 - 12p
4-Methyl-2-mentanone (MIBK)	125	120		ug/L		96	p1 - 125
Acetone	125	131		ug/L		105	56 - 142
Benf ene	25.0	25.1		ug/L		100	p1 - 124
Broz odichloroz ethane	25.0	25.5		ug/L		102	80 - 122
Broz o7orz	25.0	26.9		ug/L		108	61 - 132
Broz oz ethane	25.0	21.9		ug/L		88	55 - 144
Carbon disul7de	25.0	25.1		ug/L		100	59 - 134
Carbon tetrachloride	25.0	25.6		ug/L		102	p2 - 134
Chlorobenf ene	25.0	25.8		ug/L		103	80 - 120
Chloroethane	25.0	21.9		ug/L		88	69 - 136
Chloro7orz	25.0	22.9		ug/L		92	p3 - 12p
Chloroz ethane	25.0	23.1		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	p4 - 124
cis-1,3-Dichloromromene	25.0	26.5		ug/L		106	p4 - 124
Cyclohexane	25.0	26.5		ug/L		106	59 - 135
Dibroz ochloroz ethane	25.0	26.3		ug/L		105	p5 - 125
Dichlorodi7uoroz ethane	25.0	23.5		ug/L		94	59 - 135
Ethylbenf ene	25.0	25.6		ug/L		102	pp - 123
Isomromylbenf ene	25.0	25.9		ug/L		104	pp - 122
Methyl acetate	50.0	46.5		ug/L		93	p4 - 133
Methyl tert-butyl ether	25.0	23.9		ug/L		95	pp - 120
Methylcyclohexane	25.0	26.8		ug/L		10p	68 - 134

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

Lab Sample ID: LCS 480-596422/5
Matrix: Water
Analysis Batch: 596422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methylene Chloride			25.0	24.3		ug/L		9p	p5 - 124		
Styrene			25.0	25.5		ug/L		102	80 - 120		
Tetrachloroethene			25.0	26.5		ug/L		106	p4 - 122		
Toluene			25.0	25.2		ug/L		101	80 - 122		
trans-1,2-Dichloroethene			25.0	24.1		ug/L		96	p3 - 12p		
trans-1,3-Dichloromromene			25.0	26.5		ug/L		106	80 - 120		
Trichloroethene			25.0	25.5		ug/L		102	p4 - 123		
Trichloro7uoroz ethane			25.0	23.4		ug/L		94	62 - 150		
Vinyl chloride			25.0	23.8		ug/L		95	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*00*		*99 - 12/*
4-mrof obuorozenTene (Surr)	*1/ 2*		*9: - 12/*
Dizrof obuorof ethane (Surr)	*1/ /*		*93 - 12:*
6oluene-d7 (Surr)	*00*		*7/ - 12/*

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: AECOM Technical Services Inc.
Job ID: 480-189431-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

GC/MS VOA

Analysis Batch: 596422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-189431-1	MW-11 091021	Total/NA	Water	8260C	
MB 480-596422/7	Method Blank	Total/NA	Water	8260C	
LCS 480-596422/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: AECOM Technical Services Inc. Job ID: 480-189431-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Client Sample ID: MW-11 091021 Lab Sample ID: 480-189431-1

Date Collected: 09/10/21 10:25 **Matrix: Water**
Date Received: 09/11/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	596422	09/15/21 13:59	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: AECOM Technical Services Inc. Job ID: 480-189431-1
Project/Site: 60562248, Walgreen's Site (Kingston, NY)

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method 8260C

Volatile Organic Compounds (GC/MS) by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-11 091021	480-189431-1	100	100	96	92
	MB 480-596422/7	100	98	106	100
	LCS 480-596422/5	100	99	99	102

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S3530.D

Lab ID: LCS 480-596422/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.4	102	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.0	100	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.5	106	61-148	
1,1,2-Trichloroethane	25.0	24.1	97	76-122	
1,1-Dichloroethane	25.0	24.4	98	77-120	
1,1-Dichloroethene	25.0	23.9	96	66-127	
1,2,4-Trichlorobenzene	25.0	24.4	98	79-122	
1,2-Dibromo-3-Chloropropane	25.0	26.2	105	56-134	
1,2-Dibromoethane	25.0	26.2	105	77-120	
1,2-Dichlorobenzene	25.0	24.7	99	80-124	
1,2-Dichloroethane	25.0	23.9	95	75-120	
1,2-Dichloropropane	25.0	24.5	98	76-120	
1,3-Dichlorobenzene	25.0	24.9	100	77-120	
1,4-Dichlorobenzene	25.0	25.1	100	80-120	
2-Butanone (MEK)	125	131	105	57-140	
2-Hexanone	125	130	104	65-127	
4-Methyl-2-pentanone (MIBK)	125	120	96	71-125	
Acetone	125	131	105	56-142	
Benzene	25.0	25.1	100	71-124	
Bromodichloromethane	25.0	25.5	102	80-122	
Bromoform	25.0	26.9	108	61-132	
Bromomethane	25.0	21.9	88	55-144	
Carbon disulfide	25.0	25.1	100	59-134	
Carbon tetrachloride	25.0	25.6	102	72-134	
Chlorobenzene	25.0	25.8	103	80-120	
Chloroethane	25.0	21.9	88	69-136	
Chloroform	25.0	22.9	92	73-127	
Chloromethane	25.0	23.1	92	68-124	
cis-1,2-Dichloroethene	25.0	24.6	98	74-124	
cis-1,3-Dichloropropene	25.0	26.5	106	74-124	
Cyclohexane	25.0	26.5	106	59-135	
Dibromochloromethane	25.0	26.3	105	75-125	
Dichlorodifluoromethane	25.0	23.5	94	59-135	
Ethylbenzene	25.0	25.6	102	77-123	
Isopropylbenzene	25.0	25.9	104	77-122	
Methyl acetate	50.0	46.5	93	74-133	
Methyl tert-butyl ether	25.0	23.9	95	77-120	
Methylcyclohexane	25.0	26.8	107	68-134	
Methylene Chloride	25.0	24.3	97	75-124	
Styrene	25.0	25.5	102	80-120	
Tetrachloroethene	25.0	26.5	106	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S3530.D

Lab ID: LCS 480-596422/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.2	101	80-122	
trans-1,2-Dichloroethene	25.0	24.1	96	73-127	
trans-1,3-Dichloropropene	25.0	26.5	106	80-120	
Trichloroethene	25.0	25.5	102	74-123	
Trichlorofluoromethane	25.0	23.4	94	62-150	
Vinyl chloride	25.0	23.8	95	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab File ID: S3532.D Lab Sample ID: MB 480-596422/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5973S Date Analyzed: 09/15/2021 13:26

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-596422/5	S3530.D	09/15/2021 12:40
MW-11 091021	480-189431-1	S3533.D	09/15/2021 13:59

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab File ID: S3497.D BFB Injection Date: 09/14/2021

Instrument ID: HP5973S BFB Injection Time: 16:49

Analysis Batch No.: 596289

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.0	
75	30.0 - 60.0 % of mass 95	47.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	82.8	
175	5.0 - 9.0 % of mass 174	6.9	(8.3) 1
176	95.0 - 101.0 % of mass 174	81.1	(97.9) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-596289/4	S3499.D	09/14/2021	17:37
	IC 480-596289/5	S3500.D	09/14/2021	18:00
	IC 480-596289/6	S3501.D	09/14/2021	18:24
	IC 480-596289/7	S3502.D	09/14/2021	18:47
	IC 480-596289/8	S3503.D	09/14/2021	19:10
	ICIS 480-596289/9	S3504.D	09/14/2021	19:33
	IC 480-596289/10	S3505.D	09/14/2021	19:57
	IC 480-596289/11	S3506.D	09/14/2021	20:20
	ICV 480-596289/25	S3520.D	09/15/2021	1:44
	ICV 480-596289/26	S3521.D	09/15/2021	2:07

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab File ID: S3527.D BFB Injection Date: 09/15/2021

Instrument ID: HP5973S BFB Injection Time: 11:18

Analysis Batch No.: 596422

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	47.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	92.5	
175	5.0 - 9.0 % of mass 174	7.1	(7.7) 1
176	95.0 - 101.0 % of mass 174	89.0	(96.2) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-596422/3	S3528.D	09/15/2021	11:43
	CCV 480-596422/4	S3529.D	09/15/2021	12:16
	LCS 480-596422/5	S3530.D	09/15/2021	12:40
	MB 480-596422/7	S3532.D	09/15/2021	13:26
MW-11 091021	480-189431-1	S3533.D	09/15/2021	13:59

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Sample No.: ICIS 480-596289/9 Date Analyzed: 09/14/2021 19:33

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S3504.D Heated Purge: (Y/N) N

Calibration ID: 42382

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		171221	5.00	348761	7.96	371999	10.40
UPPER LIMIT		342442	5.50	697522	8.46	743998	10.90
LOWER LIMIT		85611	4.50	174381	7.46	186000	9.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-596289/25		166897	5.00	340656	7.96	340955	10.40
ICV 480-596289/26		162427	5.00	315618	7.96	315349	10.40
CCVIS 480-596422/3		175632	5.00	370045	7.96	382135	10.40

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Sample No.: CCVIS 480-596422/3 Date Analyzed: 09/15/2021 11:43

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S3528.D Heated Purge: (Y/N) N

Calibration ID: 42385

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		175632	5.00	370045	7.96	382135	10.40
UPPER LIMIT		351264	5.50	740090	8.46	764270	10.90
LOWER LIMIT		87816	4.50	185023	7.46	191068	9.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-596422/4		170793	5.00	356555	7.96	362768	10.40
LCS 480-596422/5		175473	5.00	363362	7.96	380768	10.40
MB 480-596422/7		165745	5.00	301631	7.96	324185	10.40
480-189431-1	MW-11 091021	168393	5.00	332089	7.97	322793	10.40

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Client Sample ID: MW-11 091021 Lab Sample ID: 480-189431-1

Matrix: Water Lab File ID: S3533.D

Analysis Method: 8260C Date Collected: 09/10/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 09/15/2021 13:59

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 596422 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
78-93-3	2-Butanone (MEK)	ND		80	11
591-78-6	2-Hexanone	ND		40	9.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Bromodichloromethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	ND		8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	19		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
124-48-1	Dibromochloromethane	ND		8.0	2.6
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4
100-41-4	Ethylbenzene	ND		8.0	5.9
98-82-8	Isopropylbenzene	ND		8.0	6.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Client Sample ID: MW-11 091021 Lab Sample ID: 480-189431-1

Matrix: Water Lab File ID: S3533.D

Analysis Method: 8260C Date Collected: 09/10/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 09/15/2021 13:59

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 596422 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	340		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	49		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	ND		8.0	7.2
1330-20-7	Xylenes, Total	ND		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3533.D
Lims ID: 480-189431-B-1
Client ID: MW-11 091021
Sample Type: Client
Inject. Date: 15-Sep-2021 13:59:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 8.0000
Sample Info: 480-189431-B-1
Misc. Info.: 480-0101001-008
Operator ID: LH Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Sep-2021 09:59:47 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: lapointec Date: 16-Sep-2021 09:59:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	168393	25.0	
* 2 Chlorobenzene-d5	82	7.968	7.962	0.006	85	332089	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	93	322793	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.433	0.001	78	227584	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	91	146507	24.9	
$ 5 Toluene-d8 (Surr)	98	6.496	6.501	0.000	92	808683	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.228	0.000	92	256980	22.9	
10 Dichlorodifluoromethane	85		1.087				ND	
12 Chloromethane	50		1.246				ND	
13 Vinyl chloride	62		1.319				ND	U
14 Bromomethane	94		1.586				ND	
15 Chloroethane	64		1.647				ND	
17 Trichlorofluoromethane	101		1.854				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.298				ND	
22 1,1-Dichloroethene	96		2.316				ND	
23 Acetone	43		2.420				ND	
26 Carbon disulfide	76		2.499				ND	7
27 Methyl acetate	43		2.706				ND	
30 Methylene Chloride	84		2.815				ND	MU
32 Methyl tert-butyl ether	73		2.998				ND	
34 trans-1,2-Dichloroethene	96		3.010				ND	
39 1,1-Dichloroethane	63		3.417				ND	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	72	29233	2.34	
43 2-Butanone (MEK)	43		4.008				ND	U
50 Chloroform	83		4.275				ND	7
51 1,1,1-Trichloroethane	97		4.379				ND	
52 Cyclohexane	56		4.379				ND	U
55 Carbon tetrachloride	117		4.513				ND	
57 Benzene	78		4.725				ND	
58 1,2-Dichloroethane	62		4.805				ND	
62 Trichloroethene	95	5.340	5.334	0.006	86	66170	6.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.443				ND	
65 1,2-Dichloropropane	63		5.577				ND	
68 Dichlorobromomethane	83		5.869				ND	
72 cis-1,3-Dichloropropene	75		6.283				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.435				ND	
74 Toluene	92		6.563				ND	
77 trans-1,3-Dichloropropene	75		6.855				ND	
79 1,1,2-Trichloroethane	83		7.037				ND	U
81 Tetrachloroethene	166	7.080	7.085	0.000	93	498166	42.7	
80 2-Hexanone	43	7.287	7.287	0.013	60	12406	1.10	M
83 Chlorodibromomethane	129		7.427				ND	
84 Ethylene Dibromide	107		7.524				ND	
87 Chlorobenzene	112		7.992				ND	
88 Ethylbenzene	91		8.090				ND	
90 m-Xylene & p-Xylene	106		8.211				ND	
91 o-Xylene	106		8.637				ND	
92 Styrene	104		8.668				ND	
95 Bromoform	173		8.911				ND	
94 Isopropylbenzene	105		9.020				ND	
97 1,1,2,2-Tetrachloroethane	83		9.452				ND	
111 1,3-Dichlorobenzene	146		10.328				ND	
113 1,4-Dichlorobenzene	146		10.420				ND	
116 1,2-Dichlorobenzene	146		10.773				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.521				ND	
119 1,2,4-Trichlorobenzene	180		12.196				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

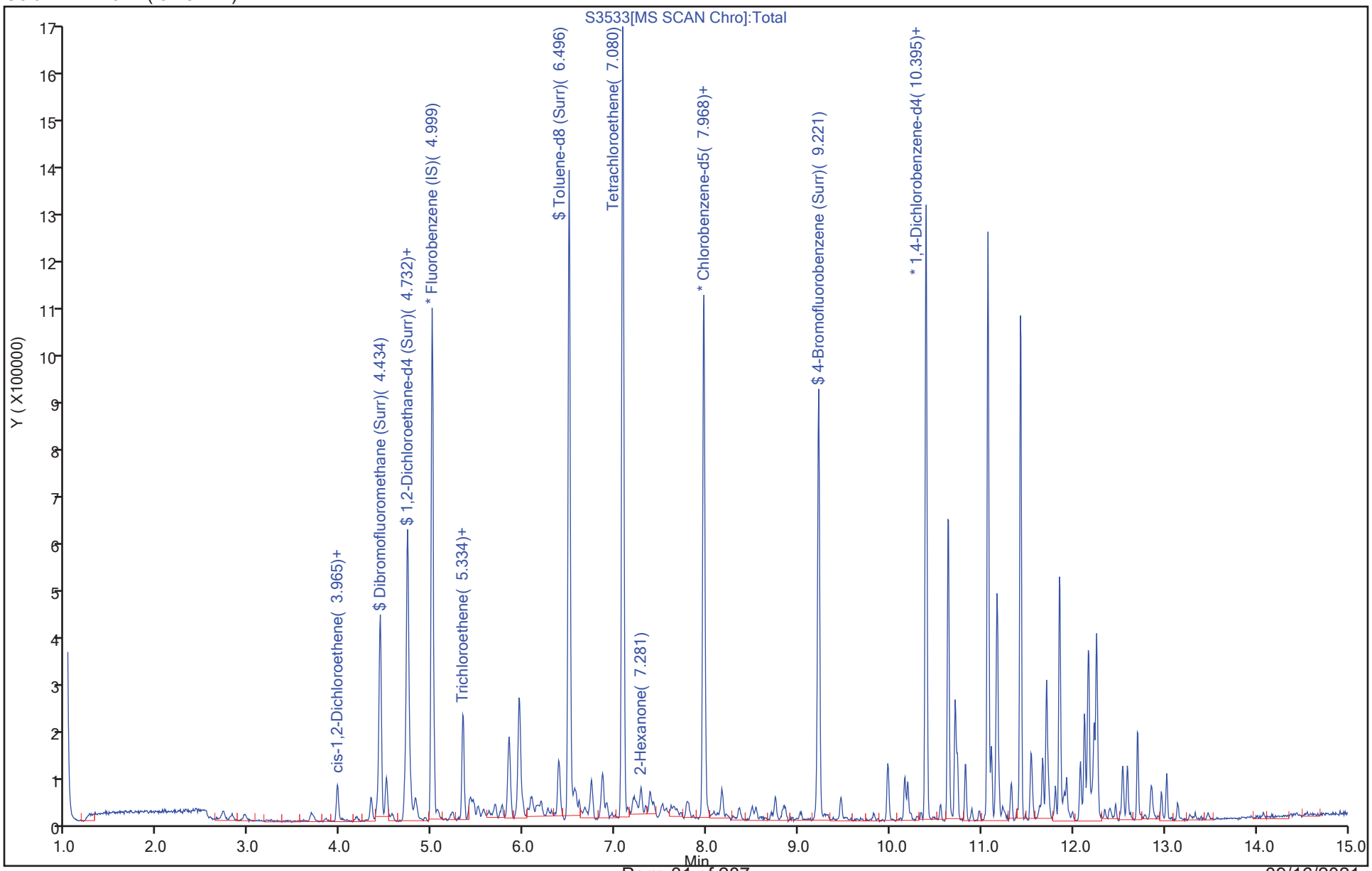
Report Date: 16-Sep-2021 09:59:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3533.D

Injection Date:	15-Sep-2021 13:59:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	480-189431-B-1	Lab Sample ID:	480-189431-1	Worklist Smp#:	8
Client ID:	MW-11 091021				
Purge Vol:	5.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



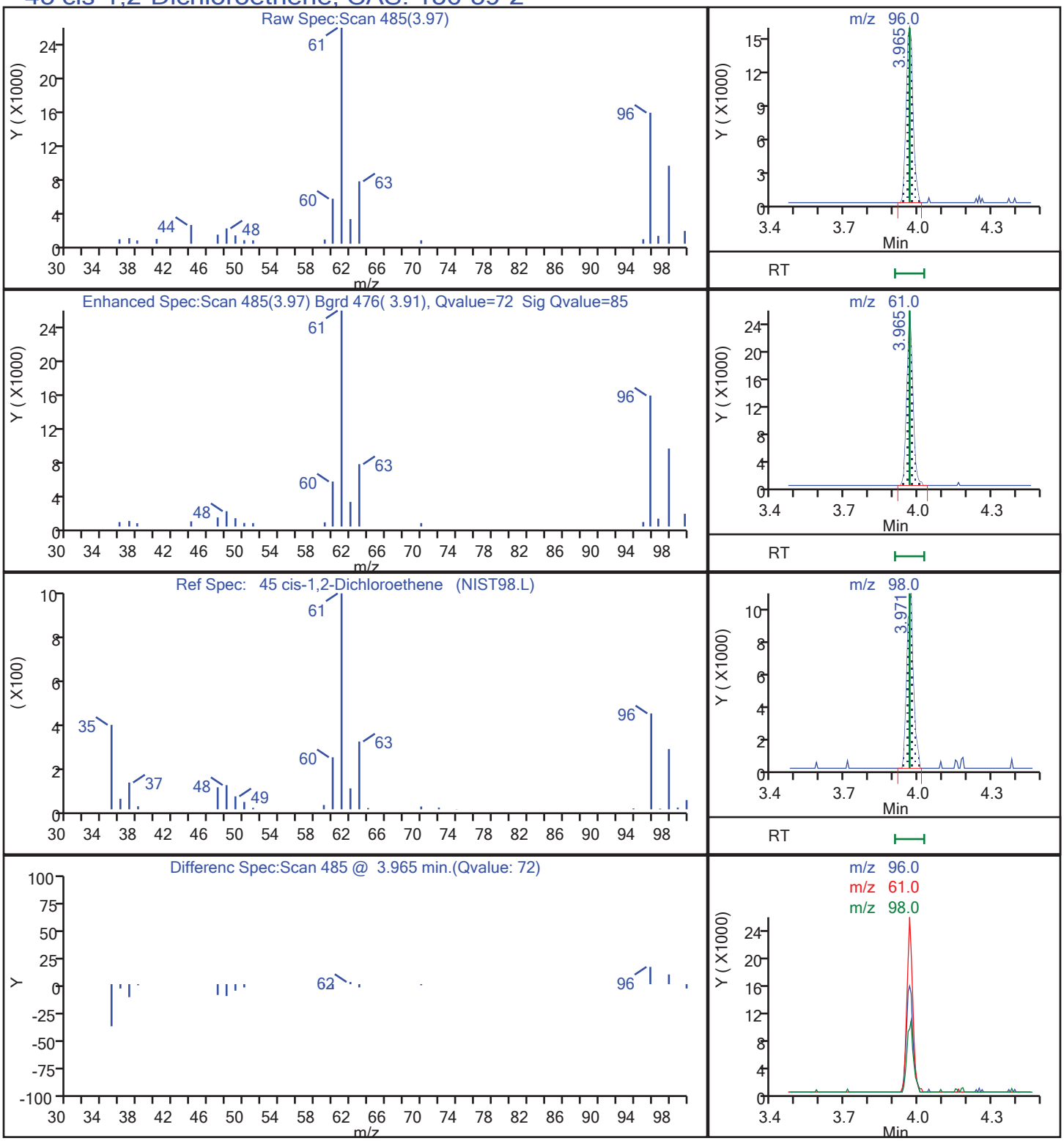
Report Date: 16-Sep-2021 09:59:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3533.D

Injection Date:	15-Sep-2021 13:59:30	Instrument ID:	HP5973S		
Lims ID:	480-189431-B-1	Lab Sample ID:	480-189431-1		
Client ID:	MW-11 091021				
Operator ID:	LH	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

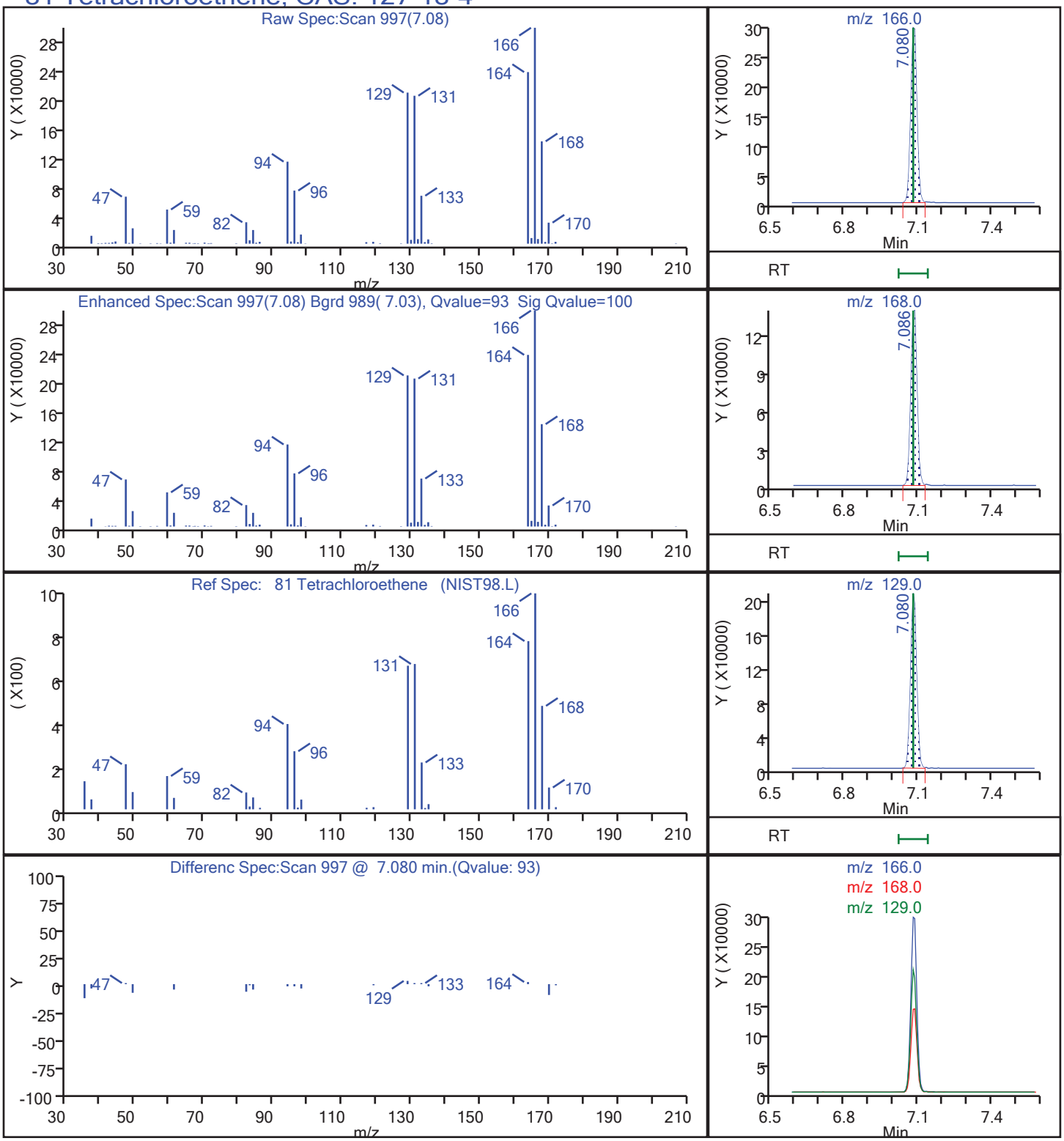
45 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3533.D		
Injection Date:	15-Sep-2021 13:59:30	Instrument ID:	HP5973S
Lims ID:	480-189431-B-1	Lab Sample ID:	480-189431-1
Client ID:	MW-11 091021		
Operator ID:	LH	ALS Bottle#:	7 Worklist Smp#: 8
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4



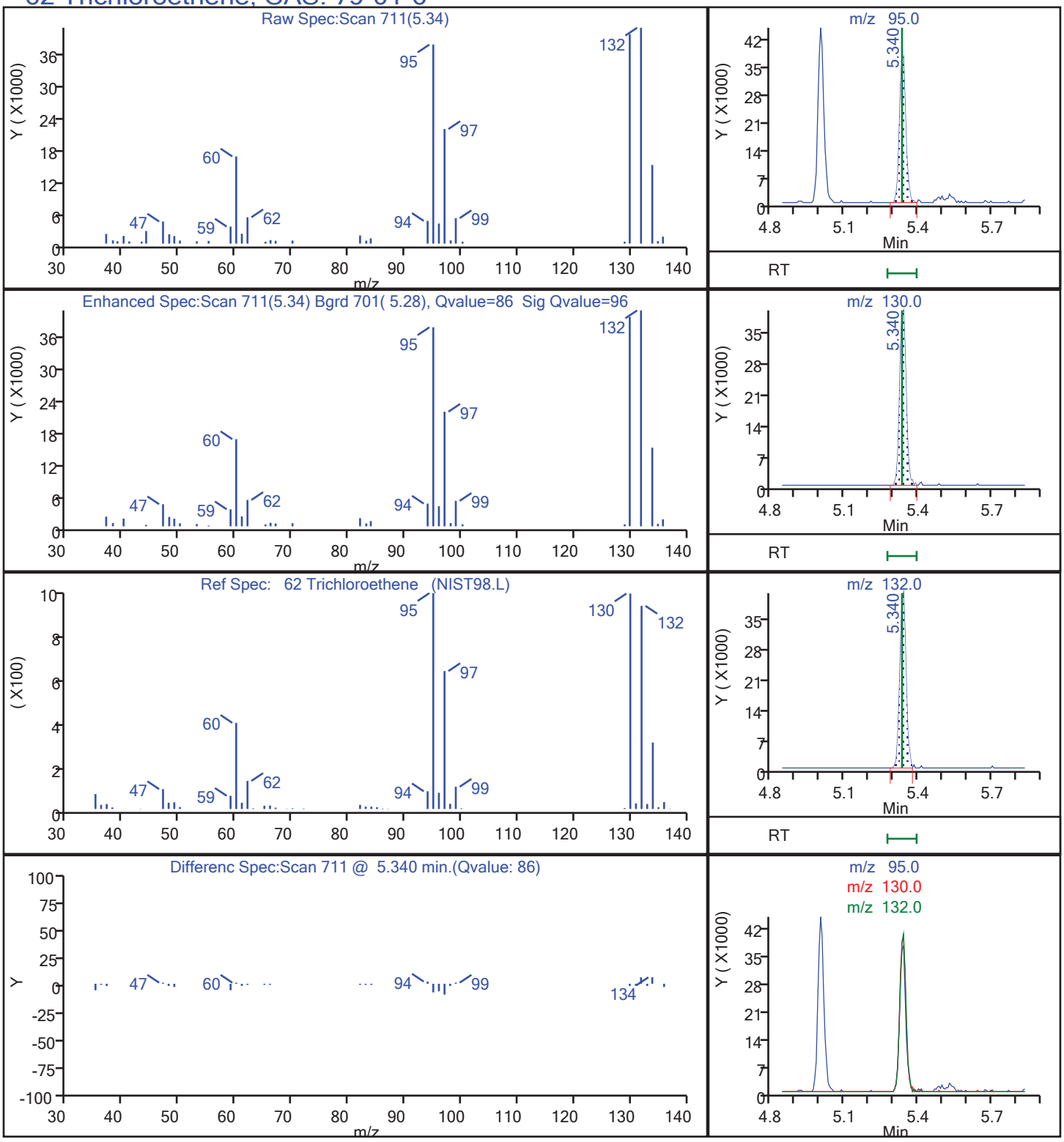
Report Date: 16-Sep-2021 09:59:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3533.D

Injection Date:	15-Sep-2021 13:59:30	Instrument ID:	HP5973S		
Lims ID:	480-189431-B-1	Lab Sample ID:	480-189431-1		
Client ID:	MW-11 091021				
Operator ID:	LH	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



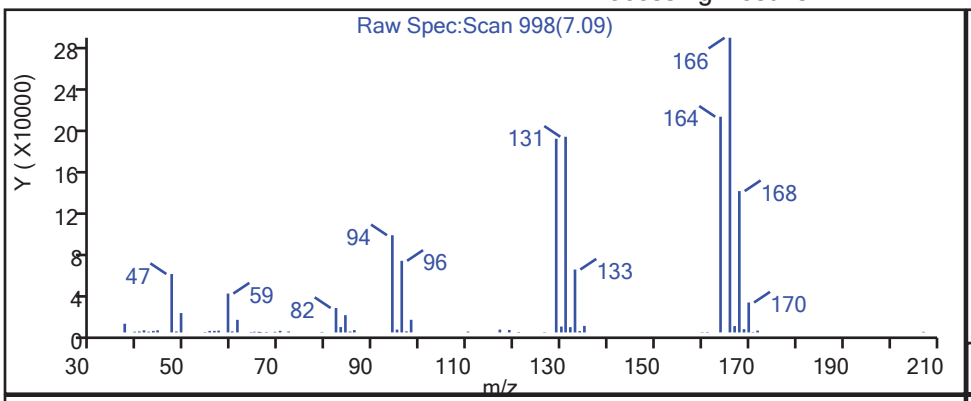
User Disabled Compound Report

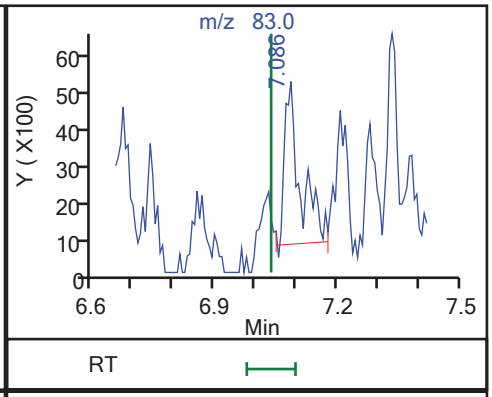
Eurofins TestAmerica, Buffalo

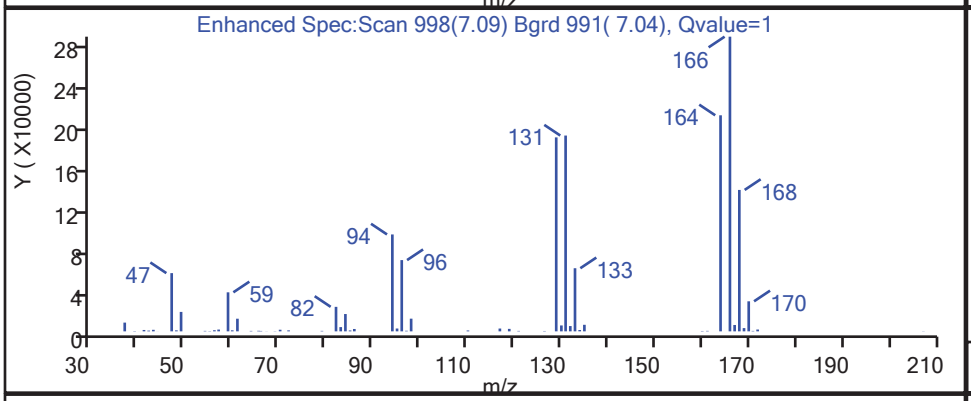
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3533.D				
Injection Date:	15-Sep-2021 13:59:30	Instrument ID:	HP5973S		
Lims ID:	480-189431-B-1	Lab Sample ID:	480-189431-1		
Client ID:	MW-11 091021				
Operator ID:	LH	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

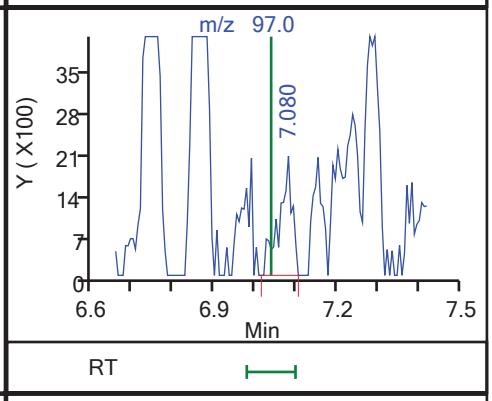
79 1,1,2-Trichloroethane, CAS: 79-00-5

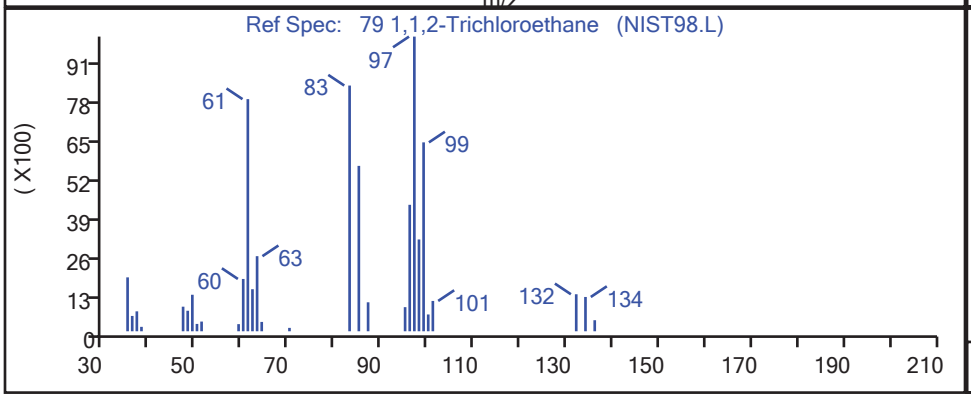
Processing Results

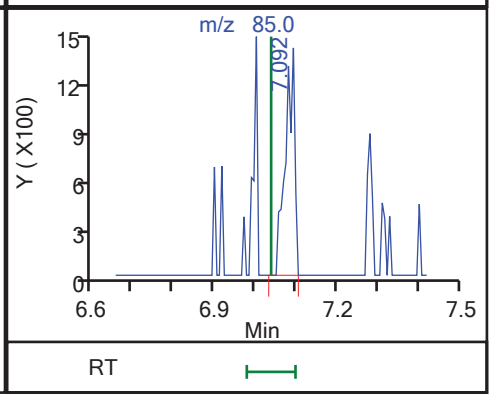












RT	Mass	Response	Amount
7.09	83.00	11938	1.436758
7.08	97.00	4476	
7.09	85.00	2250	

Reviewer: lapointec, 16-Sep-2021 09:58:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

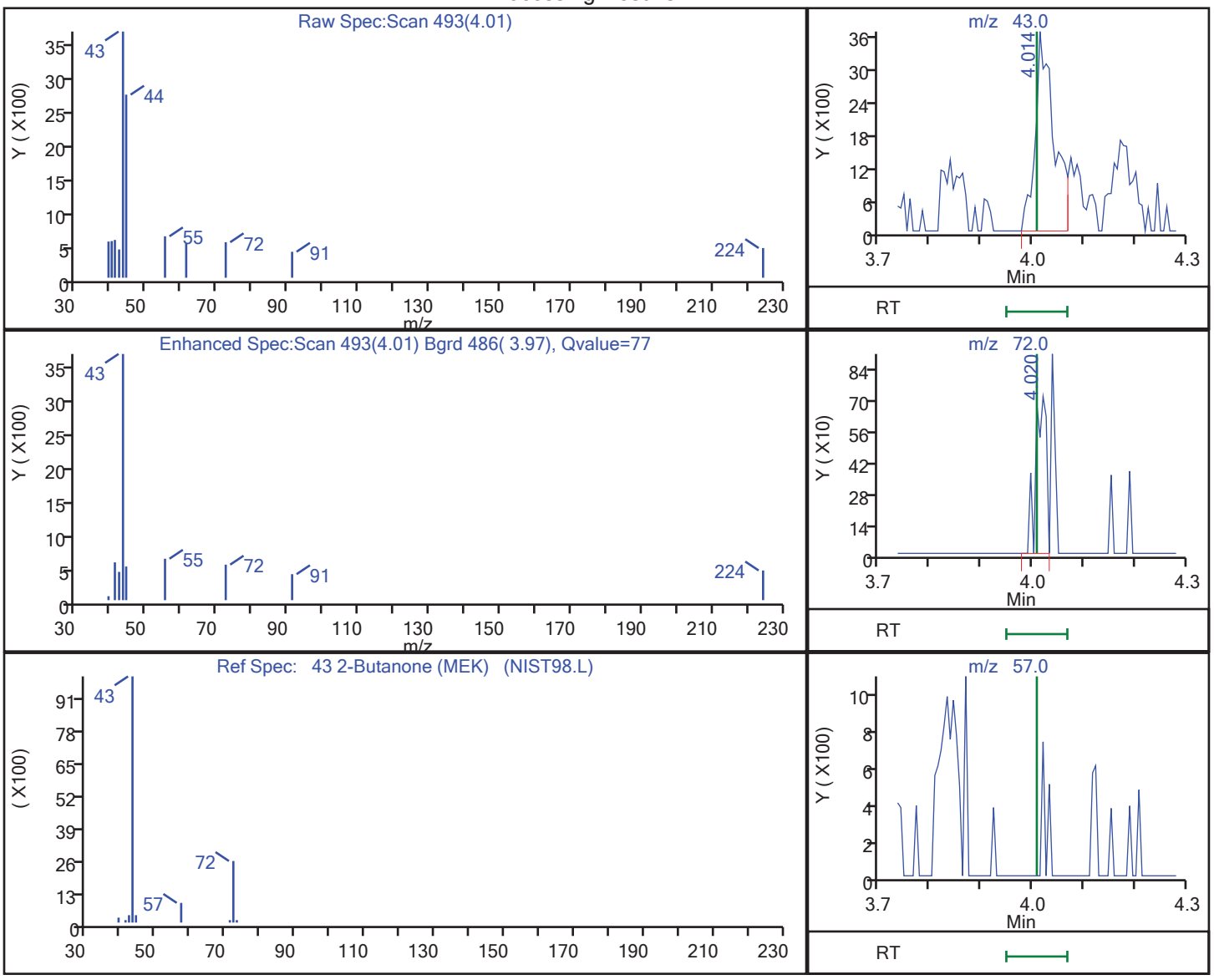
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3533.D				
Injection Date:	15-Sep-2021 13:59:30	Instrument ID:	HP5973S		
Lims ID:	480-189431-B-1	Lab Sample ID:	480-189431-1		
Client ID:	MW-11 091021				
Operator ID:	LH	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.01	43.00	9405	1.188594
4.02	72.00	1064	
4.01	57.00	0	

Reviewer: lapointec, 16-Sep-2021 09:58:31

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

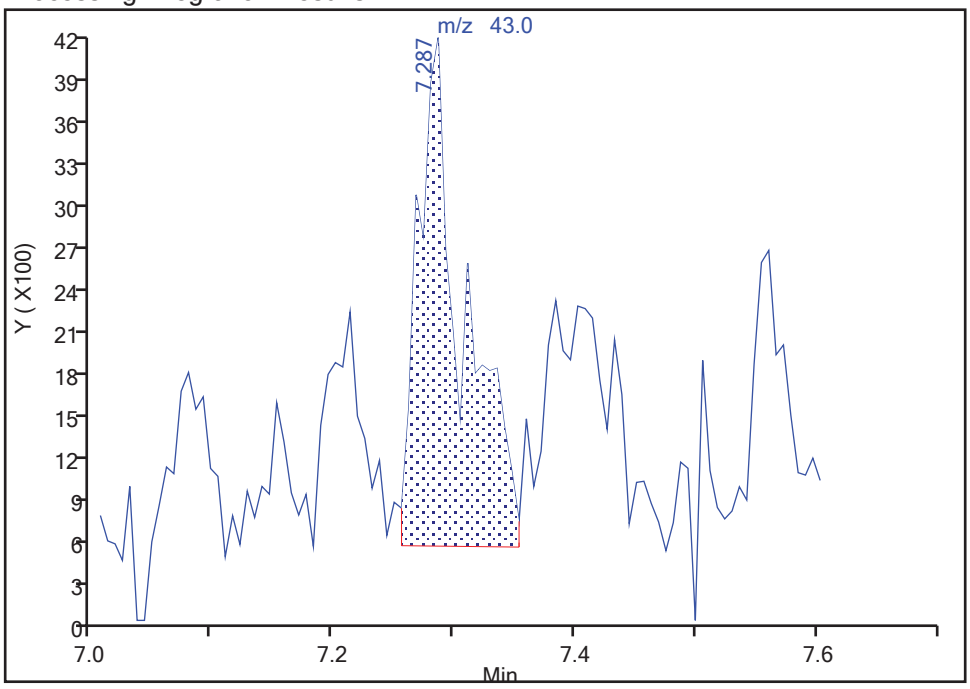
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3533.D				
Injection Date:	15-Sep-2021 13:59:30	Instrument ID:	HP5973S		
Lims ID:	480-189431-B-1	Lab Sample ID:	480-189431-1		
Client ID:	MW-11 091021				
Operator ID:	LH	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

80 2-Hexanone, CAS: 591-78-6

Signal: 1

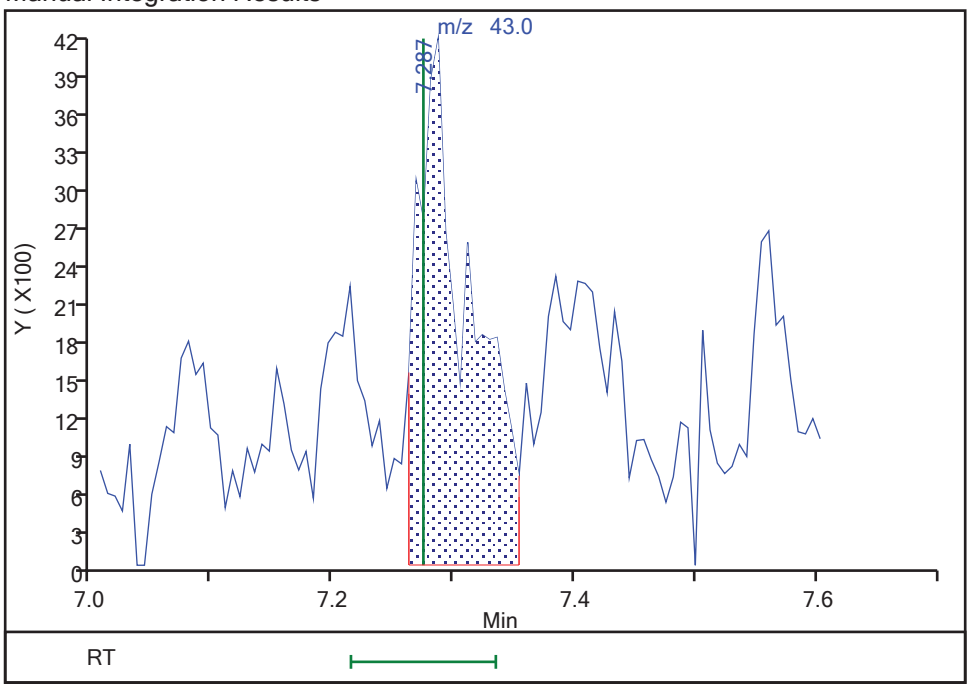
Processing Integration Results

RT: 7.29
Area: 9450
Amount: 0.839024
Amount Units: ug/L



Manual Integration Results

RT: 7.29
Area: 12406
Amount: 1.101475
Amount Units: ug/L



Reviewer: lapointec, 16-Sep-2021 09:59:30

Audit Action: Manually Integrated Audit Reason: Poor chromatography

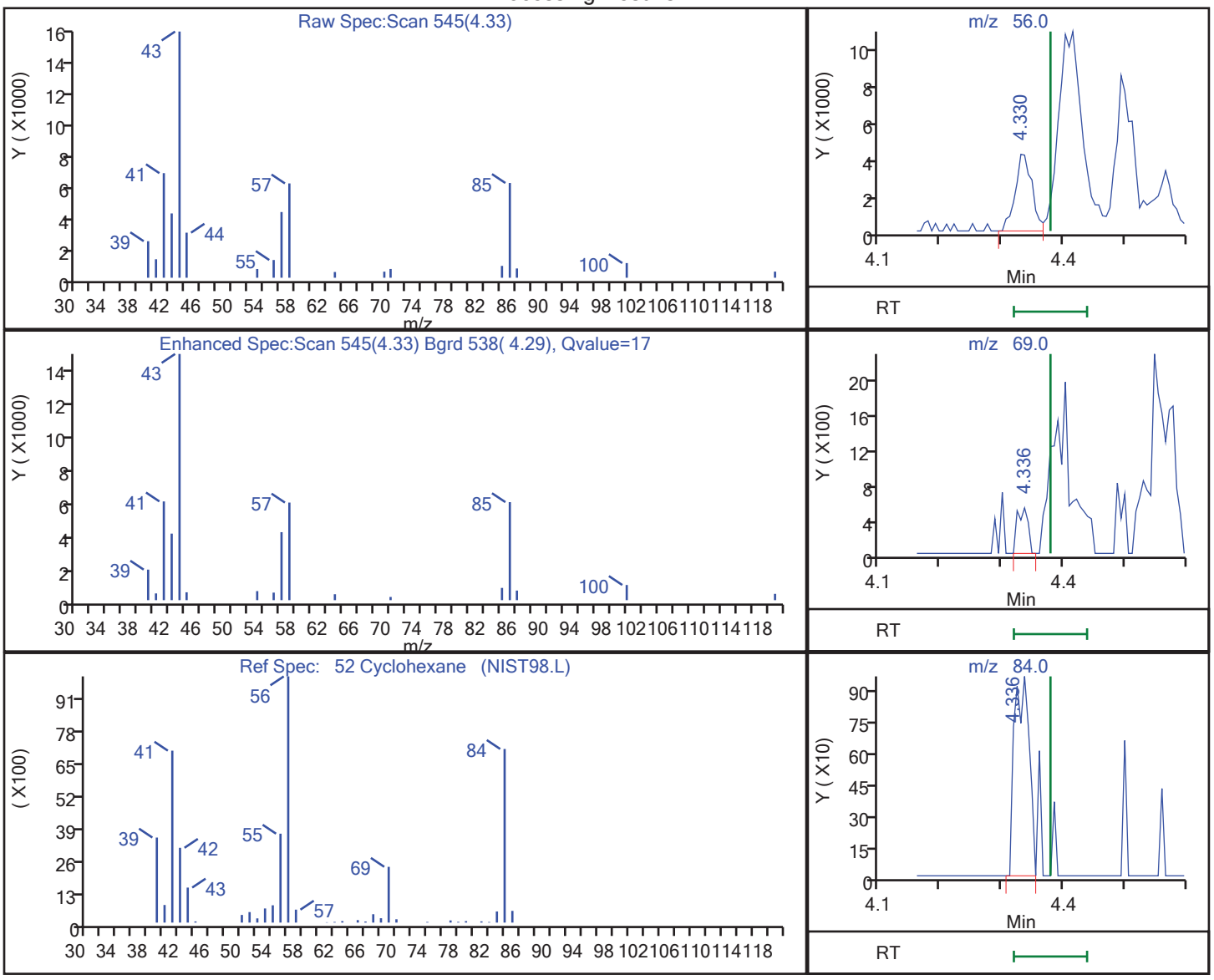
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3533.D				
Injection Date:	15-Sep-2021 13:59:30	Instrument ID:	HP5973S		
Lims ID:	480-189431-B-1	Lab Sample ID:	480-189431-1		
Client ID:	MW-11 091021				
Operator ID:	LH	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

52 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
4.33	56.00	7842	0.363102
4.34	69.00	630	
4.34	84.00	1630	

Reviewer: lapointec, 16-Sep-2021 09:58:38

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

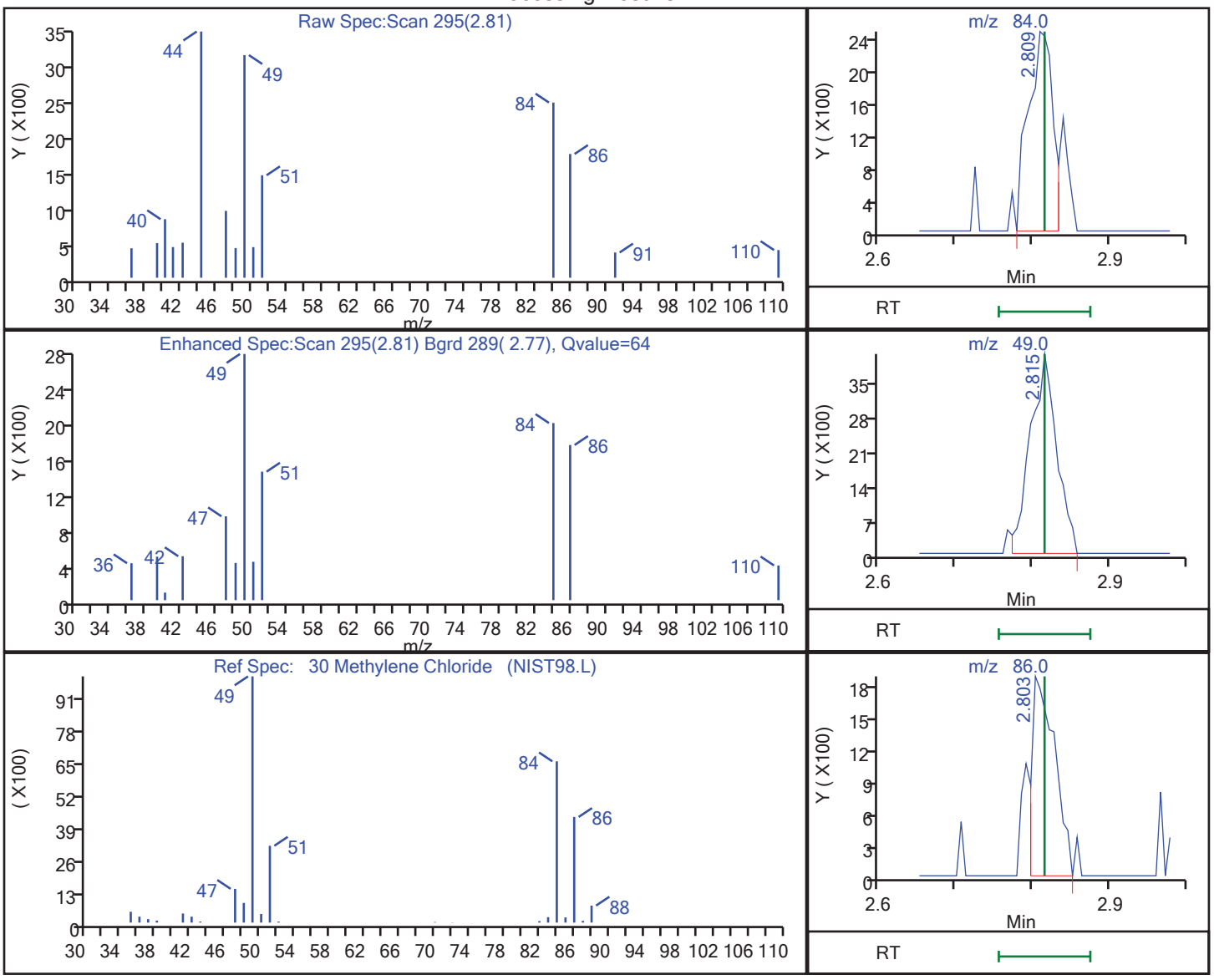
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3533.D				
Injection Date:	15-Sep-2021 13:59:30	Instrument ID:	HP5973S		
Lims ID:	480-189431-B-1	Lab Sample ID:	480-189431-1		
Client ID:	MW-11 091021				
Operator ID:	LH	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
2.81	84.00	5467	-0.207080
2.82	49.00	9760	
2.80	86.00	3808	

Reviewer: lapointec, 16-Sep-2021 09:58:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

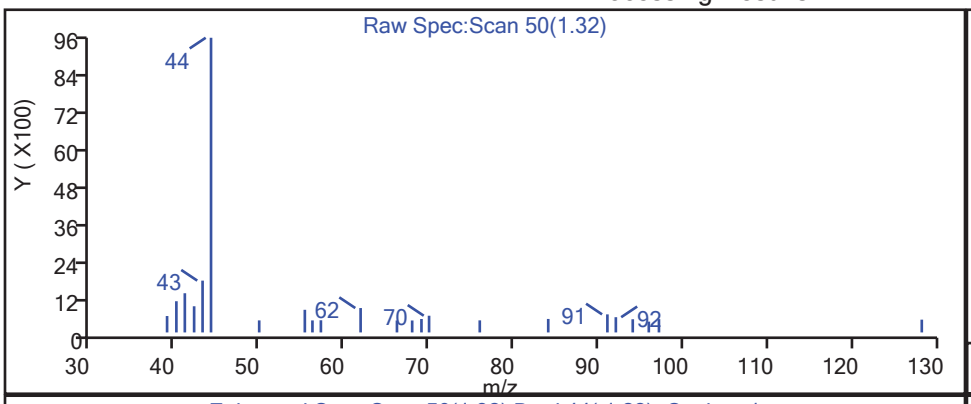
User Disabled Compound Report

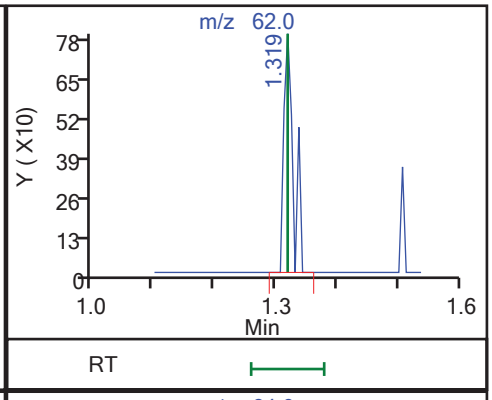
Eurofins TestAmerica, Buffalo

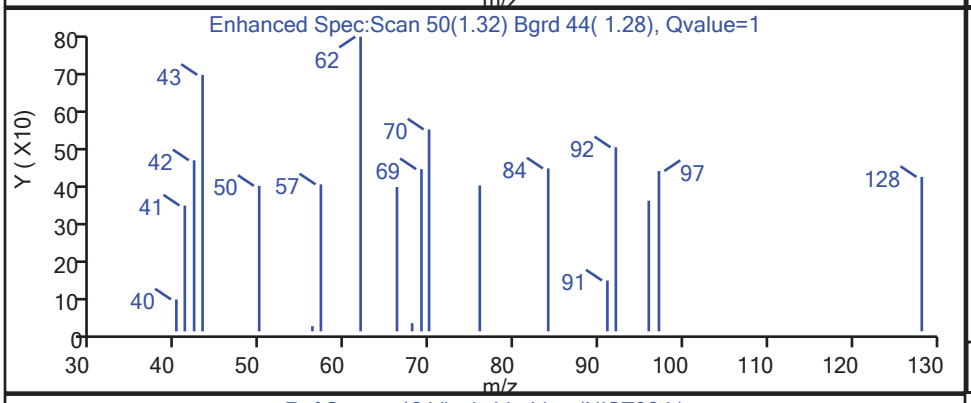
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3533.D				
Injection Date:	15-Sep-2021 13:59:30	Instrument ID:	HP5973S		
Lims ID:	480-189431-B-1	Lab Sample ID:	480-189431-1		
Client ID:	MW-11 091021				
Operator ID:	LH	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

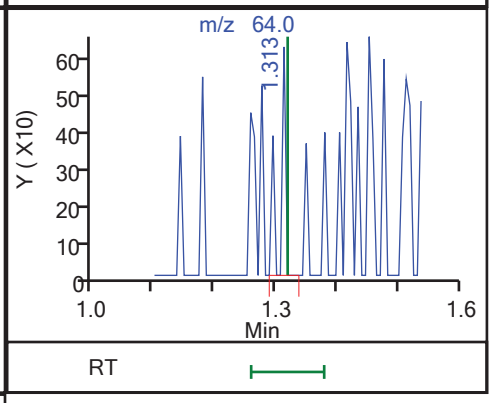
13 Vinyl chloride, CAS: 75-01-4

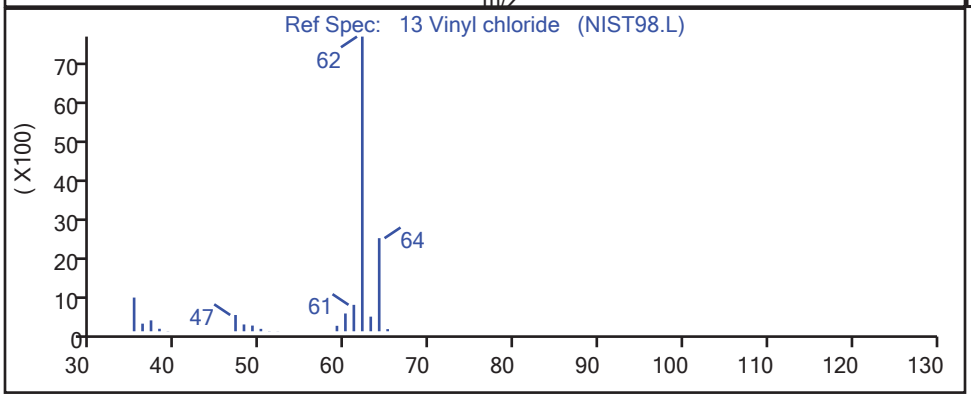
Processing Results











RT	Mass	Response	Amount
1.32	62.00	857	0.059617
1.31	64.00	368	

Reviewer: lapointec, 16-Sep-2021 09:57:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-596289/4	S3499.D
Level 2	IC 480-596289/5	S3500.D
Level 3	IC 480-596289/6	S3501.D
Level 4	IC 480-596289/7	S3502.D
Level 5	IC 480-596289/8	S3503.D
Level 6	ICIS 480-596289/9	S3504.D
Level 7	IC 480-596289/10	S3505.D
Level 8	IC 480-596289/11	S3506.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.4688 1.7675	2.1584 1.7163	1.8883 1.6456	1.9137	1.6745	Ave		1.7792			0.1000	11.7		20.0			
Chloromethane	2.3962 2.2733	2.7371 2.1597	2.4490 2.1282	2.3796	2.2825	Ave		2.3507			0.1000	8.2		20.0			
Vinyl chloride	+++++ 2.0963	2.4542 2.0879	2.1735 2.0392	2.1270	1.9609	Ave		2.1341			0.1000	7.3		20.0			
Butadiene	2.4319 2.4805	3.1438 2.3361	2.7159 2.2648	2.5629	2.2446	Ave		2.5226				11.7		20.0			
Bromomethane	1.5941 1.3460	1.8172 1.2568	1.5846 1.2286	1.3891	1.2503	Ave		1.4333			0.1000	14.7		20.0			
Chloroethane	1.6444 1.3663	1.9205 1.2960	1.5808 1.2712	1.4413	1.3575	Ave		1.4848			0.1000	14.8		20.0			
Dichlorofluoromethane	2.7589 2.9349	3.9913 2.8738	3.4549 2.8222	2.9370	2.8409	Ave		3.0767				13.9		20.0			
Trichlorofluoromethane	+++++ 2.6423	2.9983 2.5379	2.7176 2.4558	2.6153	2.3700	Ave		2.6196			0.1000	7.8		20.0			
Ethyl ether	1.9928 1.7039	2.0334 1.7047	1.8408 1.7185	1.7330	1.6447	Ave		1.7965				8.1		20.0			
Acrolein	0.1491 0.1281	0.1213 0.1265	0.1444 0.1213	0.1268	0.1220	Ave		0.1299				8.3		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2017 1.6166	1.0649 1.4481	1.5231 1.3999	1.6953	1.4020	Ave		1.4189			0.1000	14.6		20.0			
1,1-Dichloroethene	1.8851 1.4726	1.3959 1.3919	1.6617 1.3662	1.6026	1.3903	Ave		1.5208			0.1000	12.0		20.0			
Acetone	0.7074 0.7986	0.8225 0.7843	0.7881 0.7534	0.7291	0.7720	Ave		0.7694			0.1000	4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	2.9190 2.6347	2.5886 2.7094	2.9109 2.6391	2.8700	2.4829	Ave		2.7193				6.0		20.0			
Carbon disulfide	4.3554 5.1480	4.6310 4.9344	5.0470 4.8941	5.3731	4.7095	Ave		4.8866			0.1000	6.5		20.0			
Allyl chloride	2.8689 3.0249	3.0635 2.9423	3.0710 2.9889	3.1732	2.8546	Ave		2.9984				3.6		20.0			
Methyl acetate	2.3300 1.8520	2.7307 1.6577	2.1088 1.9001	1.7637	1.8660	Ave		2.0261			0.1000	17.4		20.0			
Methylene Chloride	3.9516 1.7963	2.8570 1.7090	2.4354 1.7565	2.0784	1.7684	Lin1	1.1695	1.7283			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.1826 0.2548	0.2629 0.2698	0.2078 0.2767	0.2312	0.2303	Ave		0.2395				13.6		20.0			
Methyl tert-butyl ether	5.7559 5.3226	5.5433 5.3631	5.8634 5.4862	5.5349	5.0055	Ave		5.4843			0.1000	4.8		20.0			
trans-1,2-Dichloroethene	1.7434 1.6719	1.8253 1.6433	1.8606 1.6445	1.7418	1.5802	Ave		1.7139			0.1000	5.6		20.0			
Acrylonitrile	1.0711 1.0214	1.1279 1.0307	1.1453 0.9779	1.0380	0.9806	Ave		1.0491				5.9		20.0			
Hexane	2.5362 2.8061	2.2919 2.6257	2.5307 2.5676	2.9592	2.4735	Ave		2.5989				7.9		20.0			
1,1-Dichloroethane	3.2304 3.1561	2.9830 3.0624	3.4253 3.1367	3.2254	2.9194	Ave		3.1423			0.2000	5.1		20.0			
Vinyl acetate	4.0147 4.2465	4.1266 4.5655	3.8881 4.8573	3.8366	3.6824	Ave		4.1522				9.5		20.0			
2,2-Dichloropropane	1.5734 1.6487	1.4474 1.4846	1.7291 1.4572	1.8880	1.5428	Ave		1.5964				9.6		20.0			
cis-1,2-Dichloroethene	1.7395 1.8359	1.9221 1.7836	2.1211 1.8187	1.9050	1.6940	Ave		1.8525			0.1000	7.2		20.0			
2-Butanone (MEK)	1.2469 1.1559	1.2348 1.2293	1.1216 1.1956	1.1281	1.0857	Ave		1.1747			0.1000	5.1		20.0			
Chlorobromomethane	1.0932 0.9670	0.9531 0.9551	1.1110 0.9854	1.0096	0.8743	Ave		0.9936				7.8		20.0			
Tetrahydrofuran	1.1145 0.7874	1.1169 0.8053	0.8563 0.7873	0.7775	0.7295	Ave		0.8718				17.7		20.0			
Chloroform	3.8150 2.9115	3.2944 2.8664	3.2420 2.9630	3.0568	2.7600	Ave		3.1136			0.2000	10.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	2.3240 2.6183	2.0629 2.4859	2.6993 2.4571	2.6464	2.3859	Ave		2.4600			0.1000	8.4		20.0			
Cyclohexane	2.7239 3.5483	2.6009 3.2719	3.3541 3.1631	3.7588	3.2300	Ave		3.2064			0.1000	12.1		20.0			
Carbon tetrachloride	2.0455 2.3017	1.8269 2.2061	2.3366 2.1937	2.2901	2.0682	Ave		2.1586			0.1000	7.9		20.0			
1,1-Dichloropropene	1.9277 2.3294	1.9005 2.2051	2.3284 2.2166	2.2951	2.0720	Ave		2.1593				8.0		20.0			
Benzene	6.5988 6.8219	6.5978 6.8043	6.7485 6.9099	6.6786	6.2886	Ave		6.6811			0.5000	2.9		20.0			
Isobutyl alcohol	0.0769 0.0816	0.0946 0.0933	0.0757 0.0953	0.0689	0.0694	Ave		0.0820				13.5		20.0			
1,2-Dichloroethane	2.7652 2.4232	2.6197 2.4782	2.6679 2.5066	2.4564	2.3647	Ave		2.5352			0.1000	5.4		20.0			
n-Heptane	3.5176 3.1997	2.4178 2.9561	2.8786 2.9191	3.0973	2.6174	Ave		2.9505				11.5		20.0			
Trichloroethene	1.5132 1.6603	1.5062 1.6434	1.6119 1.6256	1.7143	1.5141	Ave		1.5986			0.2000	4.9		20.0			
Methylcyclohexane	2.5962 3.1525	2.4691 2.9689	3.0680 2.8932	3.3595	2.8412	Ave		2.9186			0.1000	9.9		20.0			
1,2-Dichloropropane	1.5932 1.6606	1.8459 1.6971	1.8364 1.7316	1.6505	1.5721	Ave		1.6984			0.1000	6.0		20.0			
Dibromomethane	1.1205 1.0279	1.1425 1.0193	1.1099 1.0483	1.0298	0.9550	Ave		1.0567			0.1000	5.9		20.0			
1,4-Dioxane	+++++ 0.0109	0.0057 0.0109	0.0092 0.0111	0.0109	0.0117	Lin1	-0.0082	0.0111							0.9990		0.9900
Bromodichloromethane	1.8105 2.0148	1.9444 2.1097	1.8120 2.1601	1.9589	1.7947	Ave		1.9506			0.2000	7.2		20.0			
2-Chloroethyl vinyl ether	1.1058 1.2271	1.1954 1.3002	1.1003 1.2653	1.1574	1.0523	Ave		1.1755				7.4		20.0			
cis-1,3-Dichloropropene	2.4556 2.6030	2.3584 2.7778	2.4348 2.7957	2.3575	2.3597	Ave		2.5178			0.2000	7.3		20.0			
4-Methyl-2-pentanone (MIBK)	1.3926 1.2527	1.2728 1.2700	1.2582 1.2899	1.2146	1.1586	Ave		1.2637			0.1000	5.3		20.0			
Toluene	1.8785 2.0844	2.0171 2.1130	1.9049 2.0773	2.1379	1.9727	Ave		2.0232			0.4000	4.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	1.1299 1.2178	1.0954 1.2617	1.1071 1.2789	1.1385	1.1012	Ave		1.1663			0.1000	6.4		20.0			
Ethyl methacrylate	0.8321 1.1014	0.8860 1.1809	0.8767 1.1949	0.9746	1.0041	Ave		1.0063				13.9		20.0			
1,1,2-Trichloroethane	0.7104 0.6134	0.6253 0.6205	0.6345 0.6204	0.5976	0.5820	Ave		0.6255			0.1000	6.1		20.0			
Tetrachloroethene	0.8889 0.9374	0.7599 0.9173	0.8495 0.8860	0.9351	0.8571	Ave		0.8789			0.2000	6.6		20.0			
1,3-Dichloropropane	1.2938 1.2823	1.3628 1.3148	1.2511 1.3039	1.2714	1.2124	Ave		1.2866				3.5		20.0			
2-Hexanone	0.7618 0.8789	0.8746 0.9074	0.8864 0.8826	0.7991	0.7923	Ave		0.8479			0.1000	6.4		20.0			
Dibromochloromethane	0.7135 0.7572	0.6303 0.8097	0.7186 0.8272	0.7357	0.6934	Ave		0.7357			0.1000	8.6		20.0			
1,2-Dibromoethane	0.7976 0.8114	0.7325 0.8323	0.7426 0.8216	0.7707	0.7433	Ave		0.7815				5.0		20.0			
Chlorobenzene	2.2766 2.3981	2.1311 2.4060	2.2796 2.3969	2.3840	2.1915	Ave		2.3080			0.5000	4.6		20.0			
Ethylbenzene	3.7047 3.9716	3.4533 3.9918	3.7643 4.0351	3.8794	3.6223	Ave		3.8028			0.1000	5.4		20.0			
1,1,1,2-Tetrachloroethane	0.7495 0.8706	0.8032 0.8685	0.8085 0.9048	0.8614	0.8125	Ave		0.8349				6.0		20.0			
m,p-Xylene	1.4440 1.6213	1.4049 1.6334	1.5296 1.6093	1.5849	1.5106	Ave		1.5422			0.1000	5.5		20.0			
o-Xylene	1.4794 1.5965	1.3689 1.5923	1.5383 1.6001	1.5485	1.4758	Ave		1.5250			0.3000	5.3		20.0			
Styrene	2.3318 2.6257	2.4567 2.7378	2.4434 2.7757	2.3860	2.2931	Ave		2.5063			0.3000	7.3		20.0			
Bromoform	0.5089 0.5293	0.4355 0.5895	0.4647 0.6164	0.4798	0.4696	Ave		0.5117			0.1000	12.4		20.0			
Isopropylbenzene	3.5281 3.9949	3.3502 3.8811	3.7419 3.9599	4.0718	3.8573	Ave		3.7982			0.1000	6.5		20.0			
Bromobenzene	0.9521 1.0070	0.9356 0.9972	0.9230 1.0057	0.9689	0.9637	Ave		0.9692				3.3		20.0			
1,1,2,2-Tetrachloroethane	1.1292 1.0258	1.0638 1.0416	1.0195 1.0614	1.0224	0.9643	Ave		1.0410			0.3000	4.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	4.0252 4.4394	3.9657 4.4412	4.1181 4.4548	4.3988	4.1635	Ave		4.2508				4.8		20.0			
1,2,3-Trichloropropane	0.4067 0.3558	0.3349 0.3547	0.3676 0.3590	0.3669	0.3394	Ave		0.3606				6.1		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3323	0.2477 0.3682	0.2786 0.3658	0.2868	0.2900	Lin1	-0.193	0.3616							0.9970		0.9900
2-Chlorotoluene	0.9919 0.9139	0.9900 0.9012	0.8861 0.8989	0.9183	0.9067	Ave		0.9259				4.5		20.0			
1,3,5-Trimethylbenzene	2.9686 3.3797	2.9346 3.3565	3.1380 3.4184	3.3701	3.2723	Ave		3.2298				6.0		20.0			
4-Chlorotoluene	0.8863 0.9449	0.8547 0.9306	0.9582 0.9356	0.9511	0.8658	Ave		0.9159				4.4		20.0			
tert-Butylbenzene	0.7277 0.7573	0.6402 0.7333	0.6755 0.7213	0.7696	0.7068	Ave		0.7165				5.9		20.0			
1,2,4-Trimethylbenzene	3.2781 3.4500	3.0389 3.4809	3.2743 3.5384	3.4278	3.3263	Ave		3.3518				4.7		20.0			
sec-Butylbenzene	3.7364 4.2545	3.5305 4.2126	3.7354 4.2632	4.2370	3.9953	Ave		3.9956				7.3		20.0			
1,3-Dichlorobenzene	1.9453 1.9062	1.7931 1.9436	1.9632 1.9689	1.9549	1.8099	Ave		1.9106			0.6000	3.7		20.0			
4-Isopropyltoluene	3.3307 3.8454	3.0642 3.7623	3.3907 3.8197	3.8032	3.5267	Ave		3.5679				8.0		20.0			
1,4-Dichlorobenzene	2.0519 1.9260	1.8822 1.9789	2.0377 2.0135	1.9401	1.8120	Ave		1.9553			0.5000	4.2		20.0			
n-Butylbenzene	2.6987 3.2028	2.5446 3.1480	2.8466 3.1483	3.1714	2.9633	Ave		2.9655				8.3		20.0			
1,2-Dichlorobenzene	2.0292 1.9044	1.9544 1.9133	1.9722 1.9746	1.9666	1.8815	Ave		1.9495			0.4000	2.4		20.0			
1,2-Dibromo-3-Chloropropane	0.1856 0.2174	0.1908 0.2183	0.2248 0.2345	0.2242	0.2024	Ave		0.2122			0.0500	8.2		20.0			
1,2,4-Trichlorobenzene	1.5866 1.4535	1.5080 1.4465	1.4612 1.4175	1.5228	1.4011	Ave		1.4747			0.2000	4.1		20.0			
Hexachlorobutadiene	0.6022 0.6705	0.6069 0.6530	0.5803 0.5936	0.6831	0.6216	Ave		0.6264				6.0		20.0			
Naphthalene	4.3399 4.4136	4.4025 4.5040	4.3615 4.6888	4.4160	4.2882	Ave		4.4268				2.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	1.3970 1.4360	1.5387 1.4613	1.4589 1.4156	1.5220	1.4410	Ave		1.4588				3.4		20.0			
Dibromofluoromethane (Surr)	1.3370 1.3253	1.3351 1.3165	1.4325 1.3726	1.3587	1.2929	Ave		1.3463				3.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8719 0.8381	0.8966 0.8401	0.9207 0.8644	0.8795	0.8635	Ave		0.8718				3.2		20.0			
Toluene-d8 (Surr)	2.4702 2.5260	2.4984 2.5387	2.4645 2.5702	2.6165	2.5554	Ave		2.5300				2.0		20.0			
4-Bromofluorobenzene (Surr)	0.8243 0.8443	0.8320 0.8742	0.8492 0.8682	0.8454	0.8181	Ave		0.8445				2.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-596289/4	S3499.D
Level 2	IC 480-596289/5	S3500.D
Level 3	IC 480-596289/6	S3501.D
Level 4	IC 480-596289/7	S3502.D
Level 5	IC 480-596289/8	S3503.D
Level 6	ICIS 480-596289/9	S3504.D
Level 7	IC 480-596289/10	S3505.D
Level 8	IC 480-596289/11	S3506.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	4900 302634	13763 599154	22907 1126065	61075	112735	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	7994 389233	17453 753935	29708 1456275	75944	153664	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 358934	15649 728877	26366 1395409	67882	132013	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	8113 424711	20046 815545	32946 1549780	81793	151114	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	5318 230469	11587 438731	19222 840709	44334	84172	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	5486 233946	12246 452433	19176 869828	46000	91389	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	9204 502516	25450 1003222	41910 1931209	93735	191261	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 452424	19118 885985	32967 1680465	83467	159558	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	6648 291748	12966 595098	22330 1175952	55307	110730	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	2487 109707	3866 220756	8758 415004	20236	41054	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	4009 276794	6790 505533	18476 957894	54105	94386	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	6289 252143	8901 485915	20158 934840	51146	93599	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	11799	26222	47804	116343	259862	2.50	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

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
			683708	1369006	2577588			125	250	500		
Iodomethane	FB	Ave	9738 451114	16506 945860	35311 1805891	91594	167155	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	14530 881454	29529 1722586	61224 3348924	171481	317061	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	9571 517929	19534 1027167	37253 2045263	101271	192183	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	15546 634210	34824 1157392	51163 2600398	112574	251249	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	13183 307567	18217 596600	29543 1201921	66332	119057	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	6092 436263	16766 941701	25212 1893417	73796	155057	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	19202 911344	35346 1872237	71127 3754097	176644	336989	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	5816 286272	11639 573683	22571 1125281	55589	106384	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	35733 1748840	71916 3598100	138939 6691541	331274	660172	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	8461 480468	14614 916630	30699 1756968	94442	166527	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	10777 540385	19021 1069071	41551 2146357	102938	196542	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	26787 1454178	52625 3187592	94331 6647562	244886	495828	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5249 282296	9229 518288	20975 997150	60256	103867	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	5803 314341	12256 622642	25730 1244526	60797	114044	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	20799 989530	39368 2145680	68030 4090724	180021	365460	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	3647 165566	6077 333437	13477 674300	32220	58863	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	7436 269625	14243 562251	20774 1077424	49625	98222	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	12727	21006	39328	97556	185810	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

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
			498509	1000671	2027538			25.0	50.0	100		
1,1,1-Trichloroethane	FB	Ave	7753 448308	13154 867822	32745 1681346	84460	160626	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	9087 607551	16584 1142222	40688 2164470	119961	217454	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	6824 394092	11649 770138	28345 1501127	73087	139237	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	6431 398834	12118 769810	28245 1516803	73249	139492	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	22014 1168050	42070 2375373	81864 4728340	213146	423374	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	6411 349486	15080 814028	22972 1629465	54977	116779	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	9225 414909	16704 865139	32363 1715219	78394	159197	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	11735 547861	15417 1031969	34920 1997450	98851	176210	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5048 284284	9604 573716	19554 1112396	54713	101938	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	8661 539780	15744 1036429	37217 1979741	107217	191278	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	5315 284335	11770 592452	22277 1184887	52674	105837	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	3738 175999	7285 355851	13464 717339	32867	64293	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Lin1	+++++ 75732	1555 156632	4694 315874	14044	31810	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	6040 344976	12398 736488	21981 1478131	62517	120829	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3689 210107	7622 453912	13348 865823	36937	70844	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	8192 445695	15038 969724	29536 1913051	75240	158866	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	49146	86343	160227	392677	784182	2.50	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

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
			2184476	4568920	9166410			125	250	500		
Toluene	CBNZ d5	Ave	13259	27366	48519	138237	267037	0.500	1.00	2.00	5.00	10.0
			726967	1520308	2952411			25.0	50.0	100		
trans-1,3-Dichloropropene	CBNZ d5	Ave	7975	14862	28197	73613	149057	0.500	1.00	2.00	5.00	10.0
			424710	907811	1817582			25.0	50.0	100		
Ethyl methacrylate	CBNZ d5	Ave	5873	12020	22331	63017	135917	0.500	1.00	2.00	5.00	10.0
			384113	849639	1698310			25.0	50.0	100		
1,1,2-Trichloroethane	CBNZ d5	Ave	5014	8484	16161	38644	78779	0.500	1.00	2.00	5.00	10.0
			213935	446421	881711			25.0	50.0	100		
Tetrachloroethene	CBNZ d5	Ave	6274	10310	21636	60463	116023	0.500	1.00	2.00	5.00	10.0
			326944	660022	1259170			25.0	50.0	100		
1,3-Dichloropropane	CBNZ d5	Ave	9132	18490	31865	82212	164116	0.500	1.00	2.00	5.00	10.0
			447230	945980	1853192			25.0	50.0	100		
2-Hexanone	CBNZ d5	Ave	26884	59331	112889	258350	536216	2.50	5.00	10.0	25.0	50.0
			1532714	3264514	6272018			125	250	500		
Dibromochloromethane	CBNZ d5	Ave	5036	8552	18302	47572	93867	0.500	1.00	2.00	5.00	10.0
			264065	582560	1175712			25.0	50.0	100		
1,2-Dibromoethane	CBNZ d5	Ave	5630	9938	18915	49831	100612	0.500	1.00	2.00	5.00	10.0
			283000	598830	1167758			25.0	50.0	100		
Chlorobenzene	CBNZ d5	Ave	16069	28913	58062	154154	296656	0.500	1.00	2.00	5.00	10.0
			836365	1731088	3406548			25.0	50.0	100		
Ethylbenzene	CBNZ d5	Ave	26149	46851	95877	250846	490331	0.500	1.00	2.00	5.00	10.0
			1385126	2872083	5734845			25.0	50.0	100		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5290	10897	20593	55697	109987	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

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
			303634	624901	1286013			25.0	50.0	100		
m,p-Xylene	CBNZ d5	Ave	10192 565439	19060 1175206	38959 2287241	102482	204486	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	10442 556799	18572 1145692	39182 2274108	100124	199776	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	16459 915742	33330 1969849	62233 3945013	154277	310407	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	3592 184592	5908 424148	11836 876060	31021	63568	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	25261 1486094	46169 3031588	101642 6055313	272822	528724	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	6817 374620	12894 778889	25071 1537890	64917	132103	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	8085 381602	14660 813601	27694 1622995	68506	132179	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	28820 1651455	54651 3469066	111861 6812030	294731	570699	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	2912 132362	4615 277096	9985 548899	24585	46524	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	+++++ 123626	3414 287586	7569 559380	19214	39753	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	7102 339987	13643 703914	24070 1374487	61531	124285	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	21255	40441	85238	225805	448537	0.500	1.00	2.00	5.00	10.0

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

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
			1257252	2621814	5227235			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	6346	11779	26029	63727	118673	0.500	1.00	2.00	5.00	10.0
			351499	726866	1430719			25.0	50.0	100		
tert-Butylbenzene	DCBd 4	Ave	5210	8822	18348	51562	96885	0.500	1.00	2.00	5.00	10.0
			281710	572822	1102985			25.0	50.0	100		
1,2,4-Trimethylbenzene	DCBd 4	Ave	23471	41879	88941	229672	455942	0.500	1.00	2.00	5.00	10.0
			1283383	2718988	5410645			25.0	50.0	100		
sec-Butylbenzene	DCBd 4	Ave	26752	48653	101465	283887	547646	0.500	1.00	2.00	5.00	10.0
			1582668	3290484	6519040			25.0	50.0	100		
1,3-Dichlorobenzene	DCBd 4	Ave	13928	24711	53328	130984	248081	0.500	1.00	2.00	5.00	10.0
			709121	1518128	3010720			25.0	50.0	100		
4-Isopropyltoluene	DCBd 4	Ave	23847	42227	92102	254825	483411	0.500	1.00	2.00	5.00	10.0
			1430481	2938775	5840893			25.0	50.0	100		
1,4-Dichlorobenzene	DCBd 4	Ave	14691	25939	55351	129990	248378	0.500	1.00	2.00	5.00	10.0
			716481	1545721	3078919			25.0	50.0	100		
n-Butylbenzene	DCBd 4	Ave	19322	35067	77322	212492	406187	0.500	1.00	2.00	5.00	10.0
			1191450	2458969	4814219			25.0	50.0	100		
1,2-Dichlorobenzene	DCBd 4	Ave	14529	26933	53571	131768	257907	0.500	1.00	2.00	5.00	10.0
			708452	1494519	3019504			25.0	50.0	100		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1329	2629	6106	15020	27741	0.500	1.00	2.00	5.00	10.0
			80891	170484	358556			25.0	50.0	100		
1,2,4-Trichlorobenzene	DCBd 4	Ave	11360	20781	39690	102033	192054	0.500	1.00	2.00	5.00	10.0
			540716	1129854	2167557			25.0	50.0	100		
Hexachlorobutadiene	DCBd 4	Ave	4312	8364	15764	45768	85207	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

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
			249426	510027	907763			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	31073	60671	118471	295880	587795	0.500	1.00	2.00	5.00	10.0
			1641849	3518086	7169814			25.0	50.0	100		
1,2,3-Trichlorobenzene	DCBd 4	Ave	10002	21204	39629	101978	197524	0.500	1.00	2.00	5.00	10.0
			534205	1141429	2164725			25.0	50.0	100		
Dibromofluoromethane (Surr)	FB	Ave	223020	212834	217221	216806	217599	25.0	25.0	25.0	25.0	25.0
			226925	229790	234818			25.0	25.0	25.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	145434	142925	139607	140348	145339	25.0	25.0	25.0	25.0	25.0
			143504	146635	147869			25.0	25.0	25.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	871785	847396	784649	845933	864773	25.0	25.0	25.0	25.0	25.0
			880966	913307	913223			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	290923	282213	270371	273319	276856	25.0	25.0	25.0	25.0	25.0
			294459	314475	308499			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 TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-596289/4	S3499.D
Level 2	IC 480-596289/5	S3500.D
Level 3	IC 480-596289/6	S3501.D
Level 4	IC 480-596289/7	S3502.D
Level 5	IC 480-596289/8	S3503.D
Level 6	ICIS 480-596289/9	S3504.D
Level 7	IC 480-596289/10	S3505.D
Level 8	IC 480-596289/11	S3506.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-17.4						30					
Chloromethane	1.9						30					
Vinyl chloride	+++++	15.0						30				
Butadiene	-3.6						30					
Bromomethane	11.2						30					
Chloroethane	10.8						30					
Dichlorofluoromethane	-10.3						30					
Trichlorofluoromethane	+++++	14.5						30				
Ethyl ether	10.9						30					
Acrolein	14.8						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	-15.3						30					
1,1-Dichloroethene	24.0						30					
Acetone	-8.1						30					
Iodomethane	7.3						30					
Carbon disulfide	-10.9						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	-4.3						30					
Methyl acetate	15.0						30					
Methylene Chloride	-6.7						30					
2-Methyl-2-propanol	-23.8						30					
Methyl tert-butyl ether	5.0						30					
trans-1,2-Dichloroethene	1.7						30					
Acrylonitrile	2.1						30					
Hexane	-2.4						30					
1,1-Dichloroethane	2.8						30					
Vinyl acetate	-3.3						30					
2,2-Dichloropropane	-1.4						30					
cis-1,2-Dichloroethene	-6.1						30					
2-Butanone (MEK)	6.1						30					
Chlorobromomethane	10.0						30					
Tetrahydrofuran	27.8						30					
Chloroform	22.5						30					
1,1,1-Trichloroethane	-5.5						30					
Cyclohexane	-15.0						30					
Carbon tetrachloride	-5.2						30					
1,1-Dichloropropene	-10.7						30					
Benzene	-1.2						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-6.2						30					
1,2-Dichloroethane	9.1						30					
n-Heptane	19.2						30					
Trichloroethene	-5.3						30					
Methylcyclohexane	-11.0						30					
1,2-Dichloropropane	-6.2						30					
Dibromomethane	6.0						30					
1,4-Dioxane	+++++	-12.0						30				
Bromodichloromethane	-7.2						30					
2-Chloroethyl vinyl ether	-5.9						30					
cis-1,3-Dichloropropene	-2.5						30					
4-Methyl-2-pentanone (MIBK)	10.2						30					
Toluene	-7.2						30					
trans-1,3-Dichloropropene	-3.1						30					
Ethyl methacrylate	-17.3						30					
1,1,2-Trichloroethane	13.6						30					
Tetrachloroethene	1.1						30					
1,3-Dichloropropane	0.6						30					
2-Hexanone	-10.2						30					
Dibromochloromethane	-3.0						30					
1,2-Dibromoethane	2.1						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	-1.4						30					
Ethylbenzene	-2.6						30					
1,1,1,2-Tetrachloroethane	-10.2						30					
m,p-Xylene	-6.4						30					
o-Xylene	-3.0						30					
Styrene	-7.0						30					
Bromoform	-0.5						30					
Isopropylbenzene	-7.1						30					
Bromobenzene	-1.8						30					
1,1,2,2-Tetrachloroethane	8.5						30					
N-Propylbenzene	-5.3						30					
1,2,3-Trichloropropane	12.8						30					
trans-1,4-Dichloro-2-butene	+++++	22.0						30				
2-Chlorotoluene	7.1						30					
1,3,5-Trimethylbenzene	-8.1						30					
4-Chlorotoluene	-3.2						30					
tert-Butylbenzene	1.6						30					
1,2,4-Trimethylbenzene	-2.2						30					
sec-Butylbenzene	-6.5						30					
1,3-Dichlorobenzene	1.8						30					
4-Isopropyltoluene	-6.6						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	4.9						30					
n-Butylbenzene	-9.0						30					
1,2-Dichlorobenzene	4.1						30					
1,2-Dibromo-3-Chloropropane	-12.5						30					
1,2,4-Trichlorobenzene	7.6						30					
Hexachlorobutadiene	-3.9						30					
Naphthalene	-2.0						30					
1,2,3-Trichlorobenzene	-4.2						30					
Dibromofluoromethane (Surr)	-0.7						30					
1,2-Dichloroethane-d4 (Surr)	0.0						30					
Toluene-d8 (Surr)	-2.4						30					
4-Bromofluorobenzene (Surr)	-2.4						30					

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Sep-2021 17:37:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0100971-004
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:08 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:05:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	166804	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.968	7.962	0.006	86	352919	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	93	357993	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	55	223020	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	92	145434	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	91	871785	25.0	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	90	290923	25.0	24.4	
10 Dichlorodifluoromethane	85	1.081	1.088	-0.007	46	4900	0.5000	0.4128	M
12 Chloromethane	50	1.240	1.246	-0.006	43	7994	0.5000	0.5097	
13 Vinyl chloride	62	1.313	1.319	-0.006	18	4743	0.5000	0.3331	
151 Butadiene	54	1.319	1.325	-0.006	68	8113	0.5000	0.4820	
14 Bromomethane	94	1.592	1.586	0.006	68	5318	0.5000	0.5561	M
15 Chloroethane	64	1.647	1.647	0.000	46	5486	0.5000	0.5538	
16 Dichlorofluoromethane	67	1.842	1.848	-0.006	50	9204	0.5000	0.4484	M
17 Trichlorofluoromethane	101	1.854	1.860	-0.006	28	5707	0.5000	0.3265	
18 Ethyl ether	59	2.097	2.091	0.006	72	6648	0.5000	0.5546	a
20 Acrolein	56	2.280	2.274	0.006	13	2487	2.50	2.87	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	19	4009	0.5000	0.4235	
22 1,1-Dichloroethene	96	2.310	2.304	0.006	54	6289	0.5000	0.6198	
23 Acetone	43	2.408	2.420	-0.012	75	11799	2.50	2.30	M
25 Iodomethane	142	2.468	2.462	0.006	74	9738	0.5000	0.5367	
26 Carbon disulfide	76	2.493	2.499	-0.006	69	14530	0.5000	0.4457	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	58	9571	0.5000	0.4784	M
27 Methyl acetate	43	2.700	2.700	0.000	76	15546	1.00	1.15	
30 Methylene Chloride	84	2.809	2.803	0.006	80	13183	0.5000	0.4665	
31 2-Methyl-2-propanol	59	3.004	2.973	0.031	37	6092	5.00	3.81	M
32 Methyl tert-butyl ether	73	3.004	2.998	0.006	82	19202	0.5000	0.5248	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	66	5816	0.5000	0.5086	
33 Acrylonitrile	53	3.077	3.077	0.000	96	35733	5.00	5.10	M
35 Hexane	57	3.199	3.199	-0.001	72	8461	0.5000	0.4879	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.411	3.418	-0.007	53	10777	0.5000	0.5140	
37 Vinyl acetate	43	3.484	3.478	0.006	95	26787	1.00	0.9669	
44 2,2-Dichloropropane	77	3.929	3.923	0.006	52	5249	0.5000	0.4928	
45 cis-1,2-Dichloroethene	96	3.971	3.965	0.006	24	5803	0.5000	0.4695	a
43 2-Butanone (MEK)	43	4.014	4.008	0.006	94	20799	2.50	2.65	
48 Chlorobromomethane	128	4.196	4.196	0.000	68	3647	0.5000	0.5501	
49 Tetrahydrofuran	42	4.221	4.208	0.013	74	7436	1.00	1.28	
50 Chloroform	83	4.281	4.275	0.006	55	12727	0.5000	0.6126	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	33	7753	0.5000	0.4724	
52 Cyclohexane	56	4.373	4.379	-0.006	59	9087	0.5000	0.4248	
55 Carbon tetrachloride	117	4.500	4.507	-0.007	47	6824	0.5000	0.4738	a
54 1,1-Dichloropropene	75	4.525	4.525	0.000	49	6431	0.5000	0.4464	
57 Benzene	78	4.725	4.726	-0.001	37	22014	0.5000	0.4938	
53 Isobutyl alcohol	43	4.792	4.780	0.012	18	6411	12.5	11.7	M
58 1,2-Dichloroethane	62	4.798	4.805	-0.007	54	9225	0.5000	0.5454	
59 n-Heptane	43	4.914	4.914	0.000	77	11735	0.5000	0.5961	
62 Trichloroethene	95	5.340	5.334	0.006	68	5048	0.5000	0.4733	
64 Methylcyclohexane	83	5.443	5.443	0.000	54	8661	0.5000	0.4448	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	50	5315	0.5000	0.4690	
67 Dibromomethane	93	5.717	5.711	0.006	58	3738	0.5000	0.5302	
66 1,4-Dioxane	88	5.741	5.717	0.024	0	490	10.0	10.4	M
68 Dichlorobromomethane	83	5.863	5.869	-0.006	48	6040	0.5000	0.4641	
69 2-Chloroethyl vinyl ether	63	6.167	6.155	0.012	55	3689	0.5000	0.4704	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	54	8192	0.5000	0.4876	
73 4-Methyl-2-pentanone (MIBK)	43	6.441	6.435	0.006	85	49146	2.50	2.75	
74 Toluene	92	6.563	6.557	0.006	78	13259	0.5000	0.4642	
77 trans-1,3-Dichloropropene	75	6.861	6.855	0.006	51	7975	0.5000	0.4844	a
75 Ethyl methacrylate	69	6.916	6.903	0.013	59	5873	0.5000	0.4134	
79 1,1,2-Trichloroethane	83	7.043	7.037	0.006	49	5014	0.5000	0.5678	
81 Tetrachloroethene	166	7.086	7.080	0.006	58	6274	0.5000	0.5057	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	82	9132	0.5000	0.5028	
80 2-Hexanone	43	7.281	7.275	0.006	88	26884	2.50	2.25	
83 Chlorodibromomethane	129	7.427	7.427	0.000	35	5036	0.5000	0.4849	
84 Ethylene Dibromide	107	7.524	7.518	0.006	44	5630	0.5000	0.5103	
87 Chlorobenzene	112	7.998	7.992	0.006	48	16069	0.5000	0.4932	
88 Ethylbenzene	91	8.090	8.090	0.000	87	26149	0.5000	0.4871	
89 1,1,1,2-Tetrachloroethane	131	8.102	8.096	0.006	10	5290	0.5000	0.4488	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	89	10192	0.5000	0.4681	
91 o-Xylene	106	8.637	8.631	0.006	82	10442	0.5000	0.4850	
92 Styrene	104	8.674	8.668	0.006	60	16459	0.5000	0.4652	
95 Bromoform	173	8.917	8.911	0.006	17	3592	0.5000	0.4973	
94 Isopropylbenzene	105	9.020	9.021	-0.001	77	25261	0.5000	0.4645	
101 Bromobenzene	156	9.373	9.367	0.006	59	6817	0.5000	0.4912	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	36	8085	0.5000	0.5424	
99 N-Propylbenzene	91	9.465	9.465	0.000	88	28820	0.5000	0.4735	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	39	2912	0.5000	0.5639	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	0	1440	0.5000	0.8132	M
103 2-Chlorotoluene	126	9.562	9.562	0.000	81	7102	0.5000	0.5357	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	81	21255	0.5000	0.4596	
105 4-Chlorotoluene	126	9.684	9.684	0.000	70	6346	0.5000	0.4839	
106 tert-Butylbenzene	134	9.976	9.976	0.000	66	5210	0.5000	0.5078	
107 1,2,4-Trimethylbenzene	105	10.036	10.037	-0.001	67	23471	0.5000	0.4890	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	63	26752	0.5000	0.4676	
111 1,3-Dichlorobenzene	146	10.328	10.329	-0.001	72	13928	0.5000	0.5091	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	83	23847	0.5000	0.4668	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	2	14691	0.5000	0.5247	
115 n-Butylbenzene	91	10.736	10.736	0.000	81	19322	0.5000	0.4550	
116 1,2-Dichlorobenzene	146	10.779	10.773	0.006	76	14529	0.5000	0.5204	
117 1,2-Dibromo-3-Chloropropane	75	11.515	11.521	-0.006	1	1329	0.5000	0.4373	
119 1,2,4-Trichlorobenzene	180	12.190	12.196	-0.006	57	11360	0.5000	0.5380	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	36	4312	0.5000	0.4807	
121 Naphthalene	128	12.409	12.409	0.000	78	31073	0.5000	0.4902	
122 1,2,3-Trichlorobenzene	180	12.616	12.610	0.006	57	10002	0.5000	0.4788	
S 123 Total BTEX	1				0			2.40	
S 126 1,3-Dichloropropene, Total	1				0			0.9720	
S 125 1,2-Dichloroethene, Total	1				0			0.9781	
S 124 Xylenes, Total	1				0			0.9532	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GAS CORP mix_00472	Amount Added:	0.50	Units: uL	
8260 CORP mix_00214	Amount Added:	0.50	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:50:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D

Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S Operator ID: wd

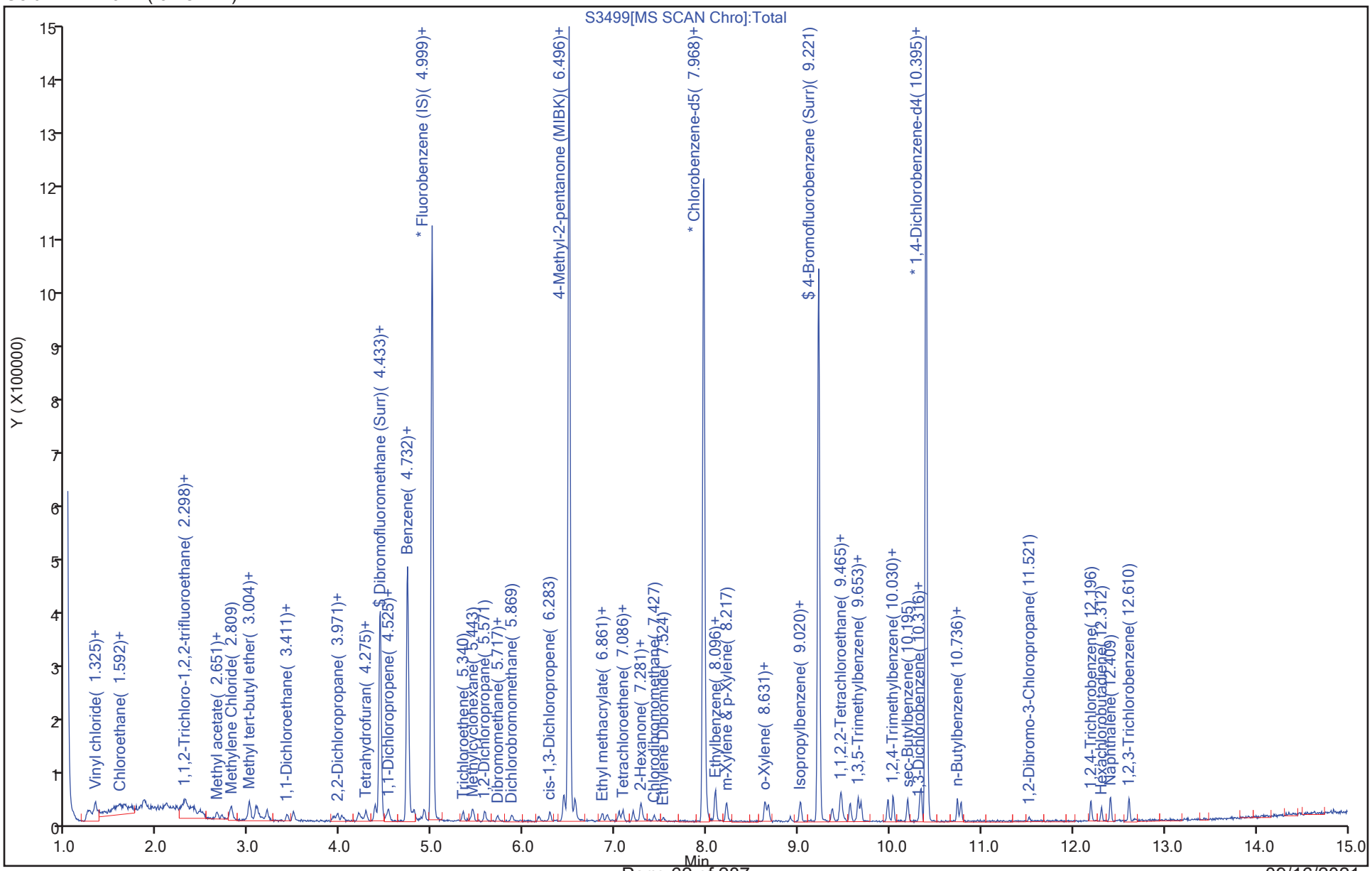
Lims ID: IC 0.5 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

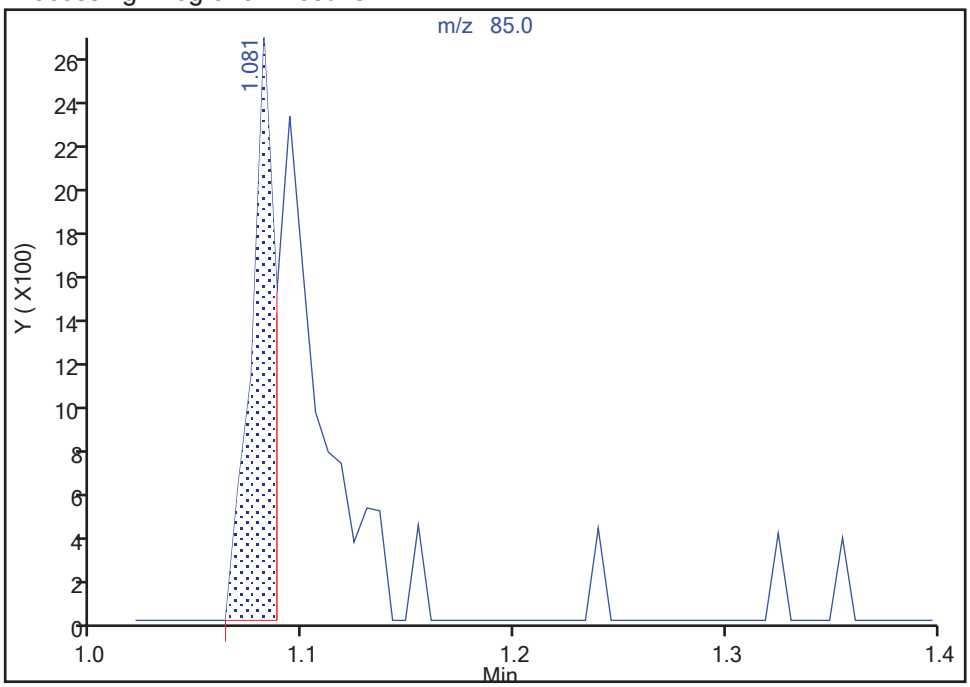
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

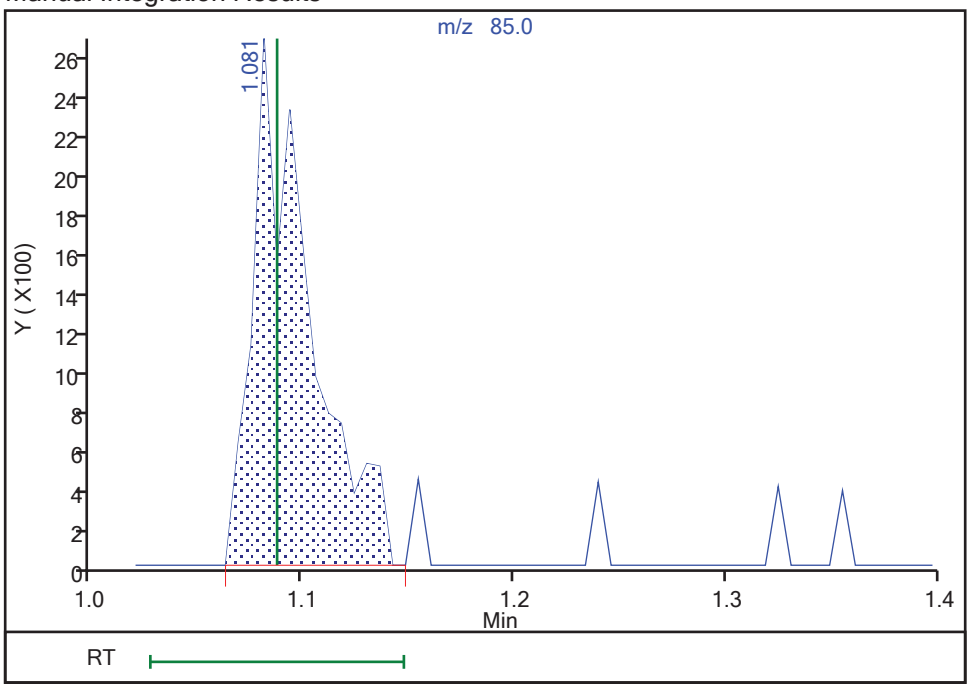
Processing Integration Results

RT: 1.08
Area: 2122
Amount: 0.352223
Amount Units: ug/L



Manual Integration Results

RT: 1.08
Area: 4900
Amount: 0.412778
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:00:03
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

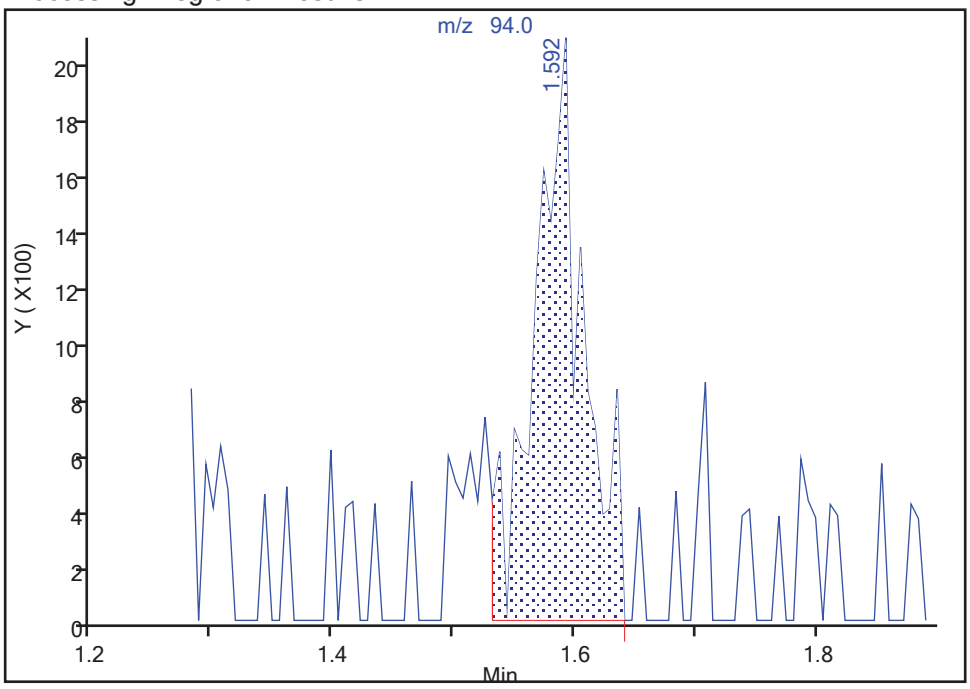
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

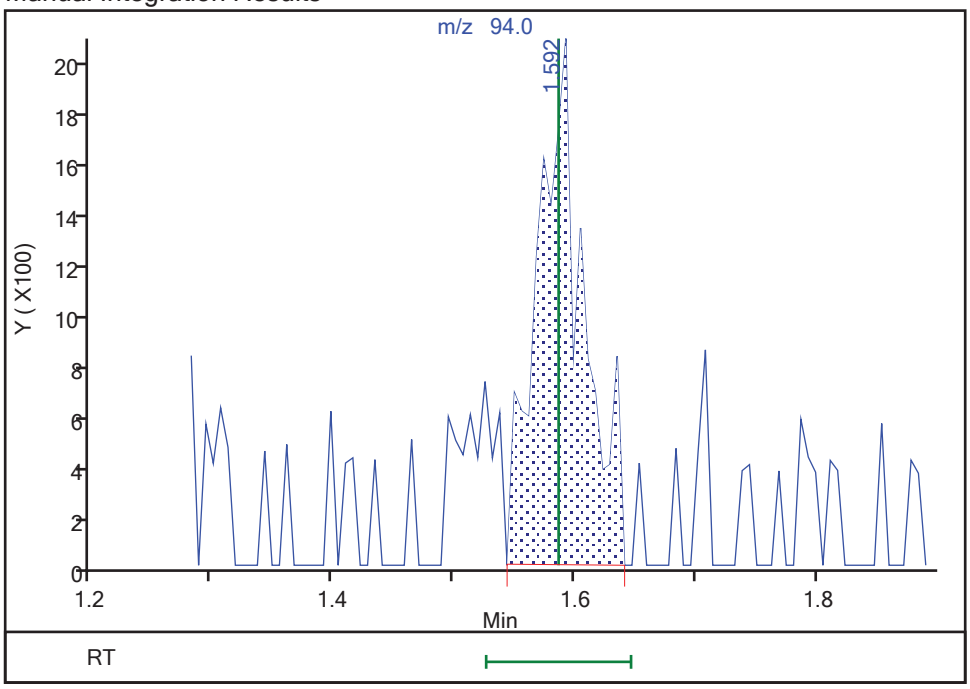
Processing Integration Results

RT: 1.59
Area: 5692
Amount: 0.589423
Amount Units: ug/L



Manual Integration Results

RT: 1.59
Area: 5318
Amount: 0.556079
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:00:35
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

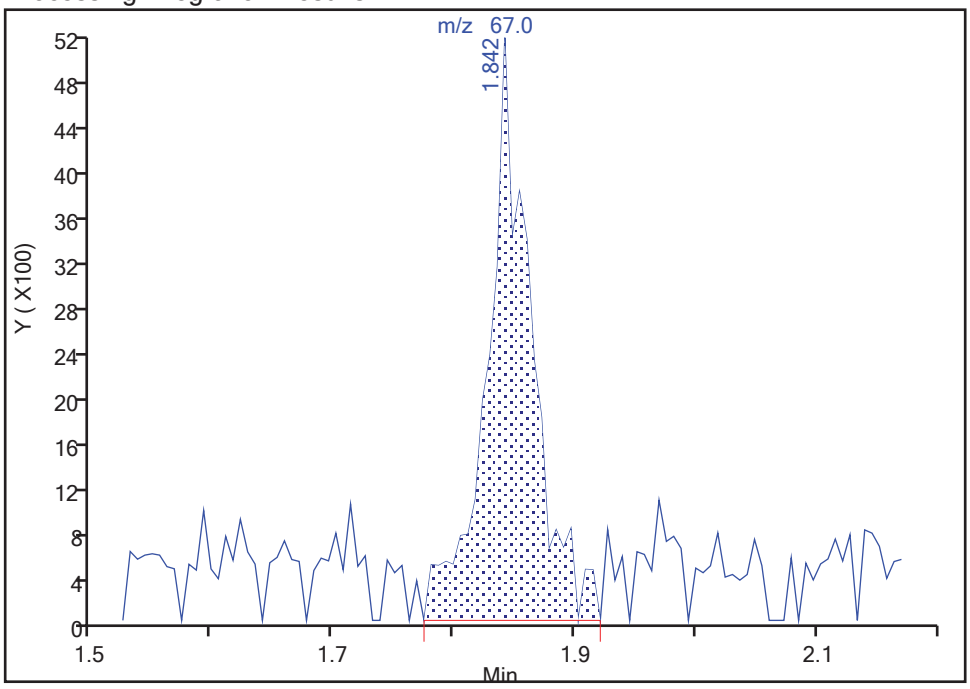
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

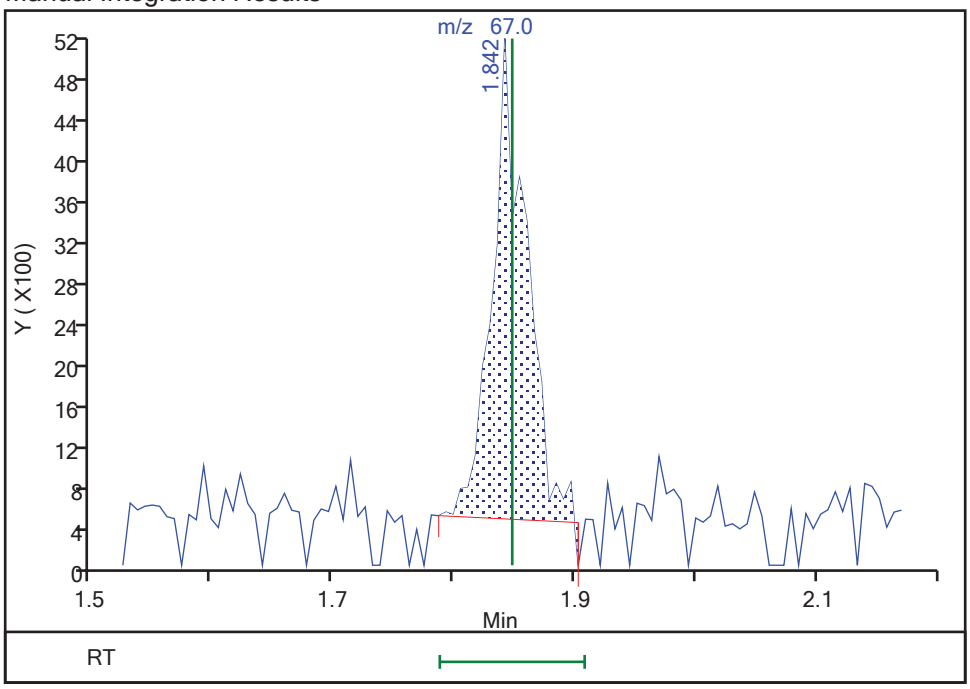
Processing Integration Results

RT: 1.84
Area: 13020
Amount: 0.606074
Amount Units: ug/L



Manual Integration Results

RT: 1.84
Area: 9204
Amount: 0.448352
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:00:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

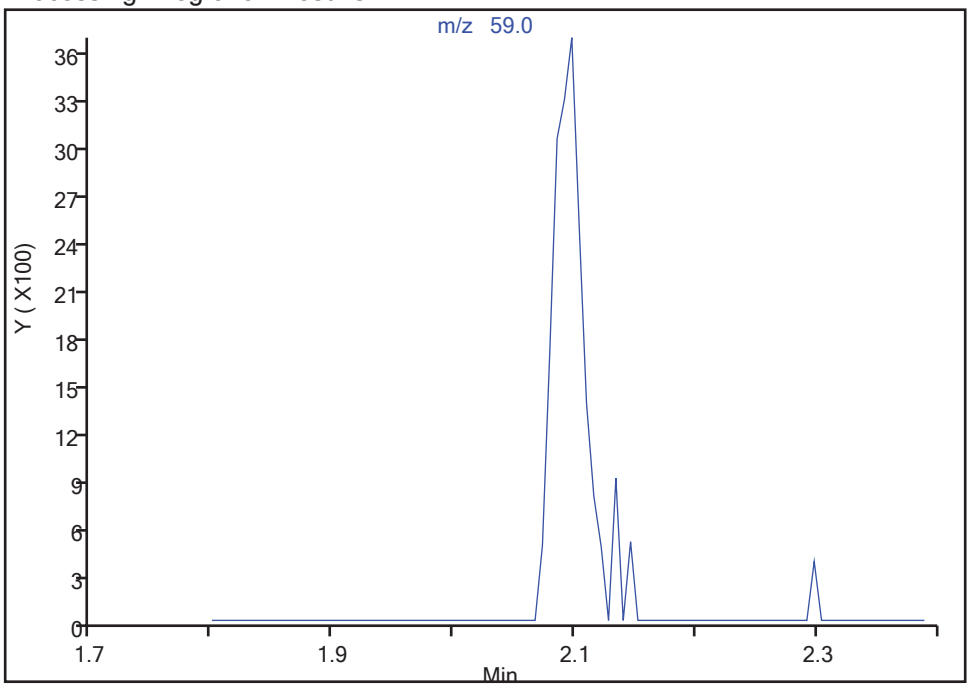
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

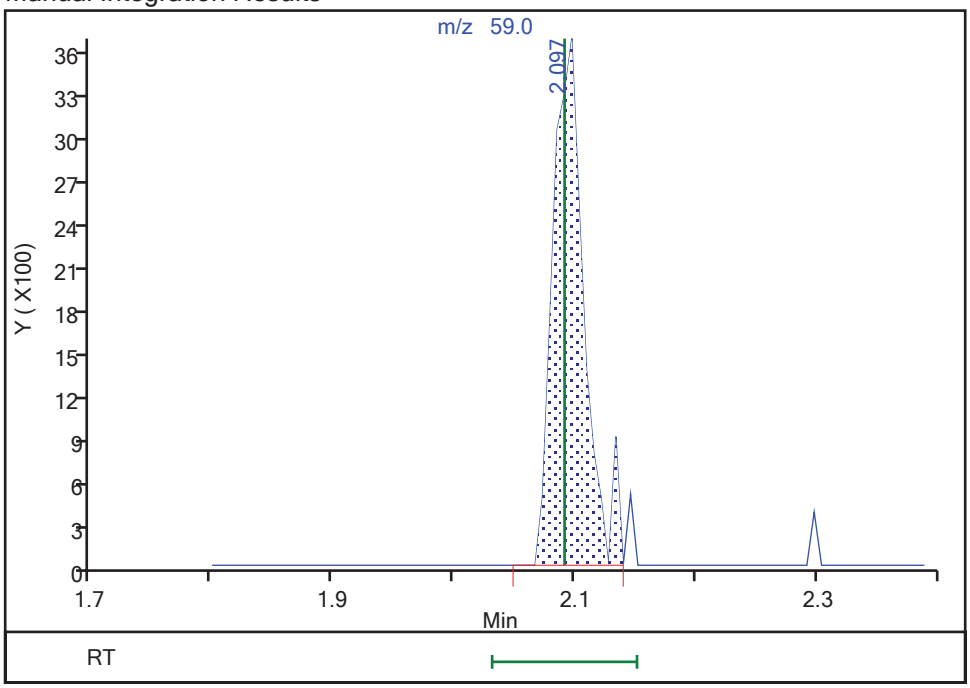
Not Detected
Expected RT: 2.09

Processing Integration Results



Manual Integration Results

RT: 2.10
Area: 6648
Amount: 0.554630
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:00:54
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

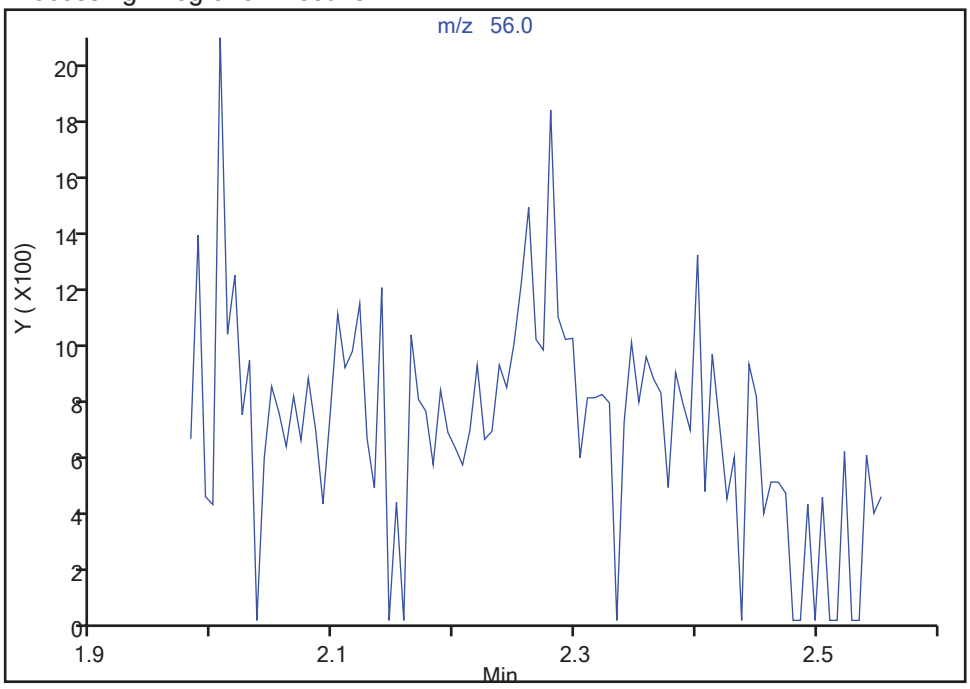
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

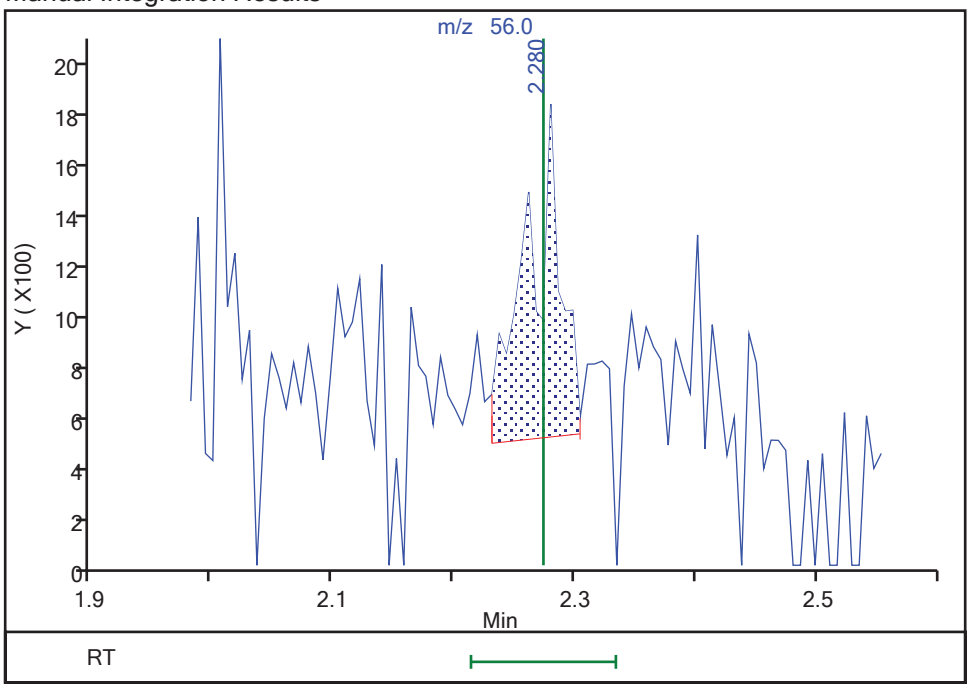
Not Detected
Expected RT: 2.27

Processing Integration Results



Manual Integration Results

RT: 2.28
Area: 2487
Amount: 2.868799
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:01:17
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

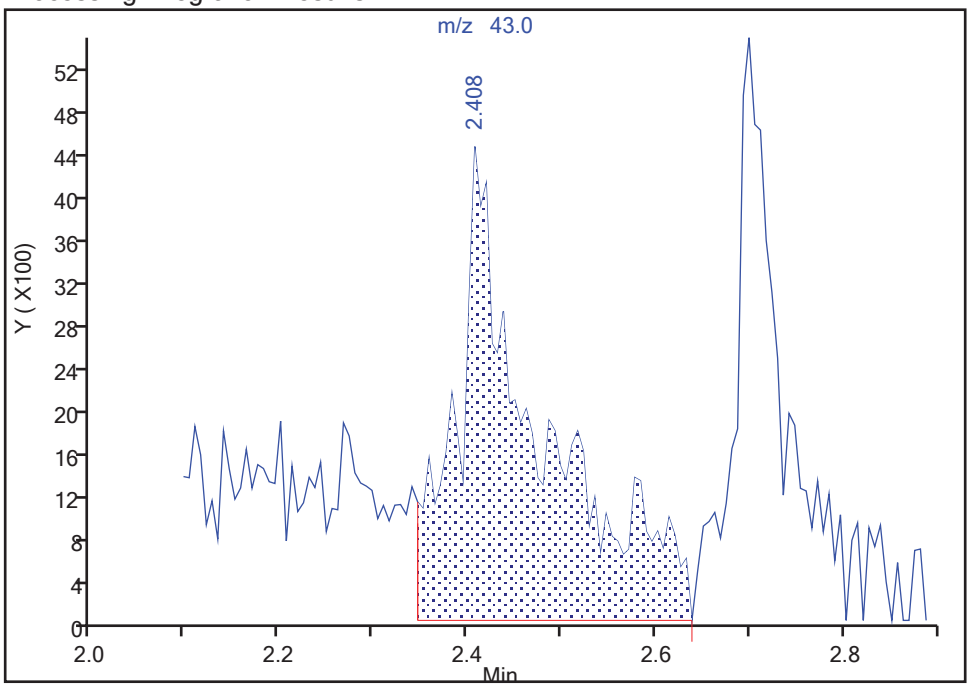
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

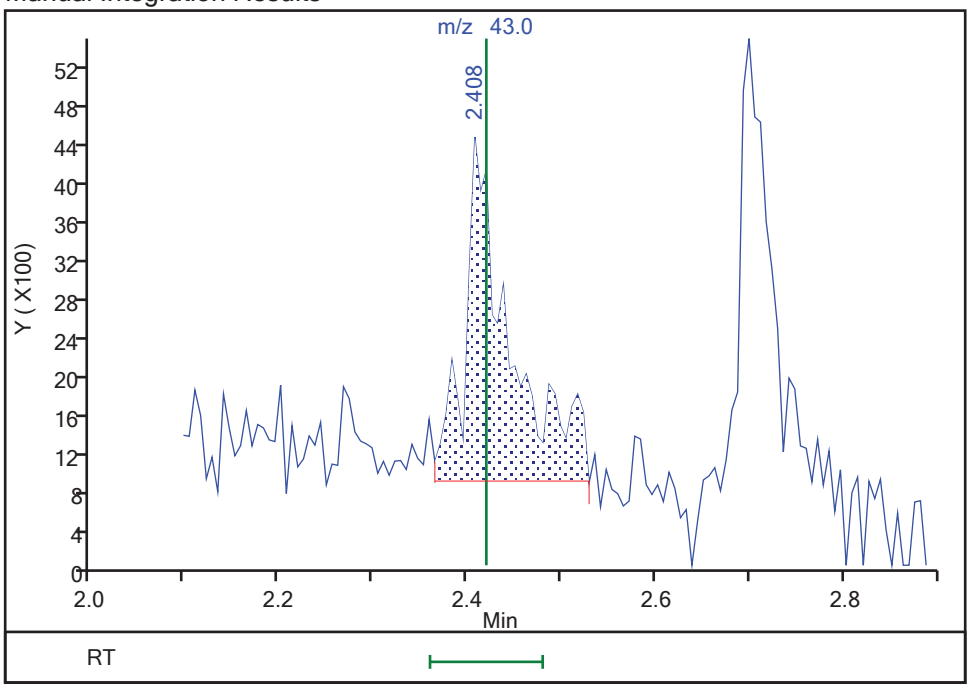
Processing Integration Results

RT: 2.41
Area: 27136
Amount: 4.247949
Amount Units: ug/L



Manual Integration Results

RT: 2.41
Area: 11799
Amount: 2.298348
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:01:46
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

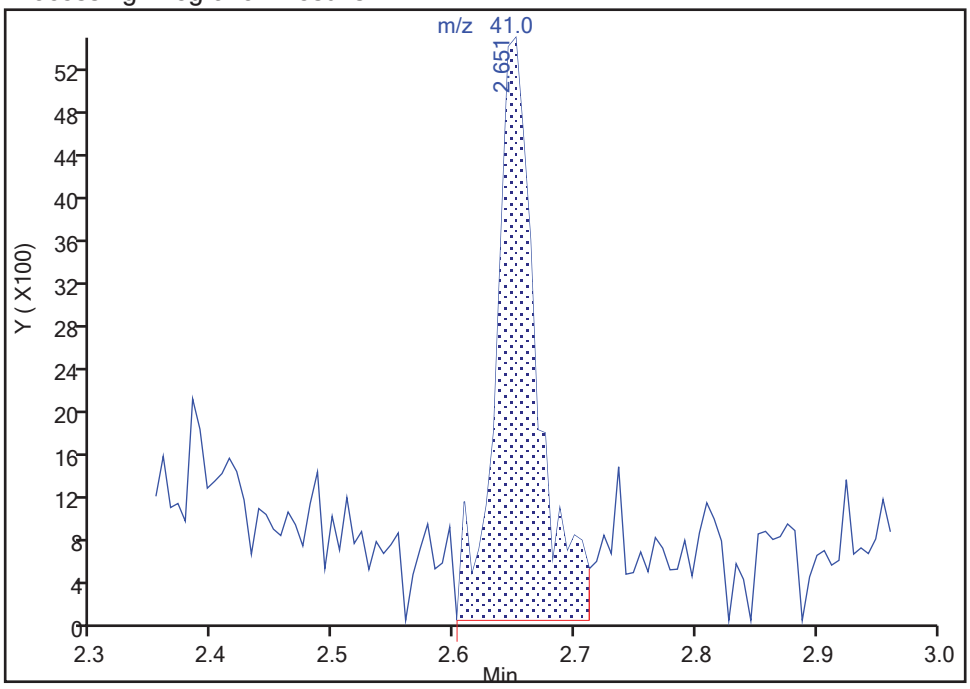
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

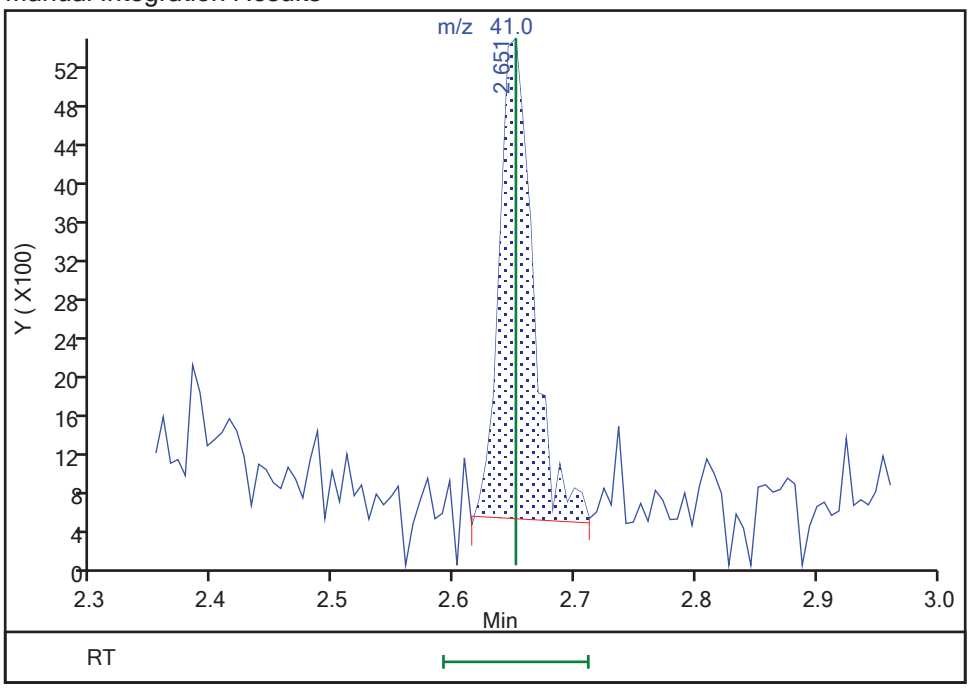
Processing Integration Results

RT: 2.65
Area: 12912
Amount: 0.619542
Amount Units: ug/L



Manual Integration Results

RT: 2.65
Area: 9571
Amount: 0.478408
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:02:06
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

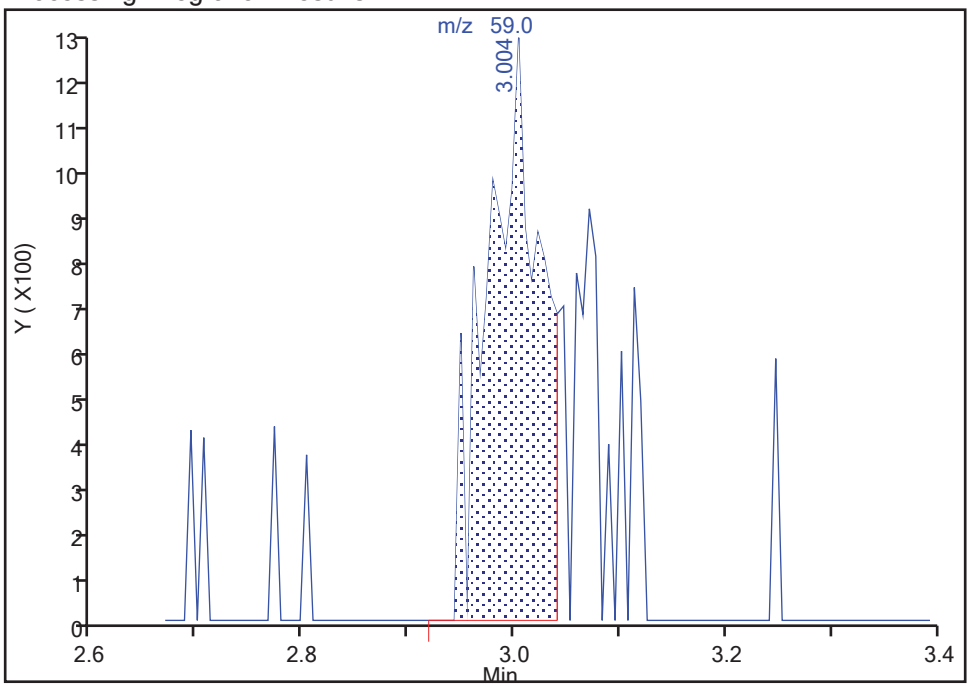
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

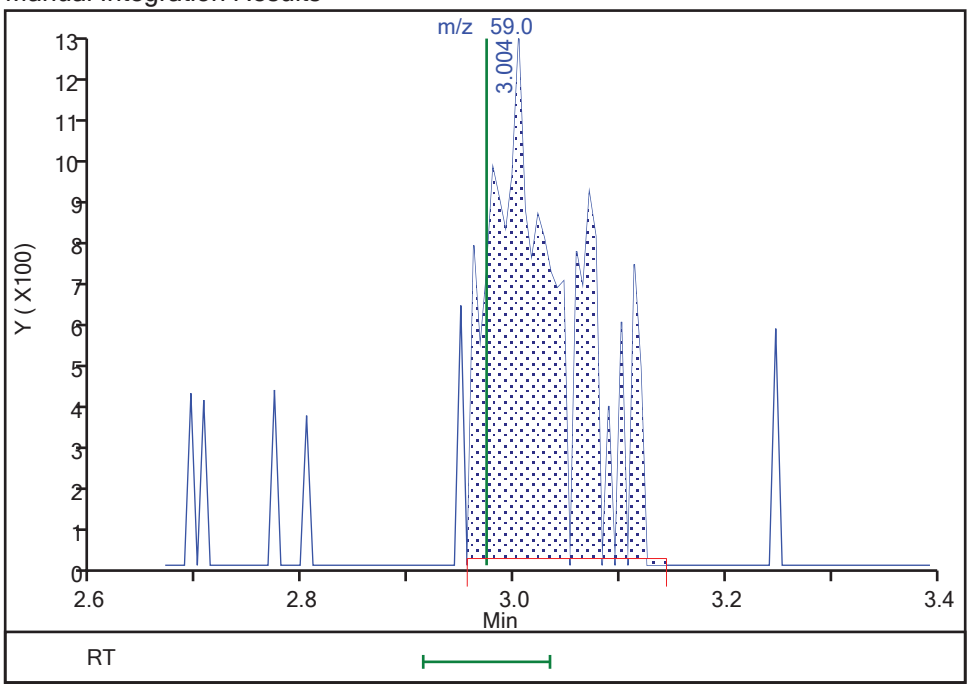
Processing Integration Results

RT: 3.00
Area: 4352
Amount: 2.974108
Amount Units: ug/L



Manual Integration Results

RT: 3.00
Area: 6092
Amount: 3.811950
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:02:23
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

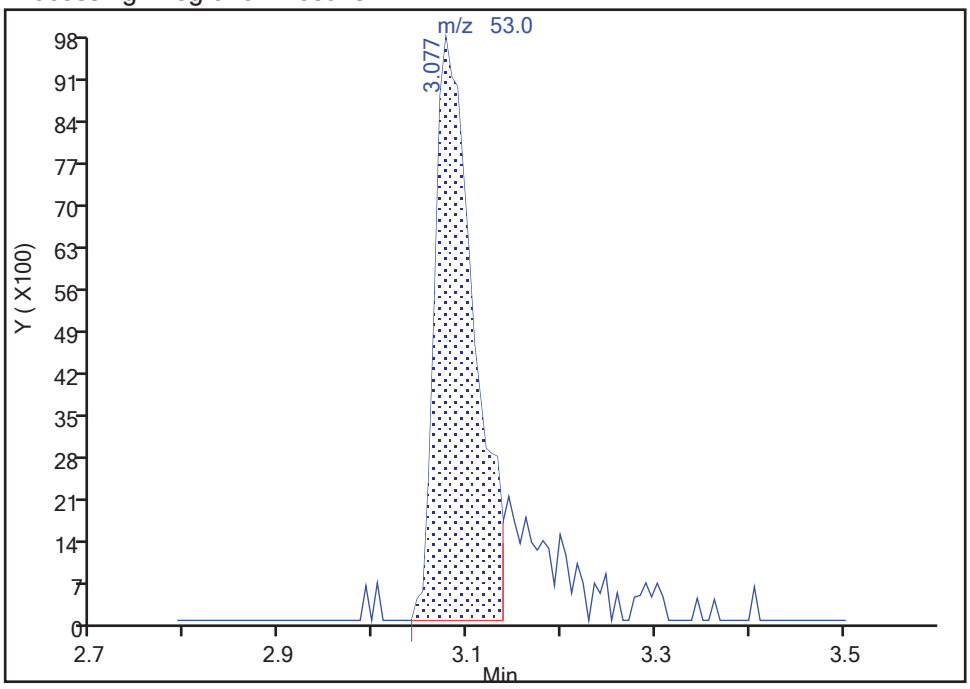
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

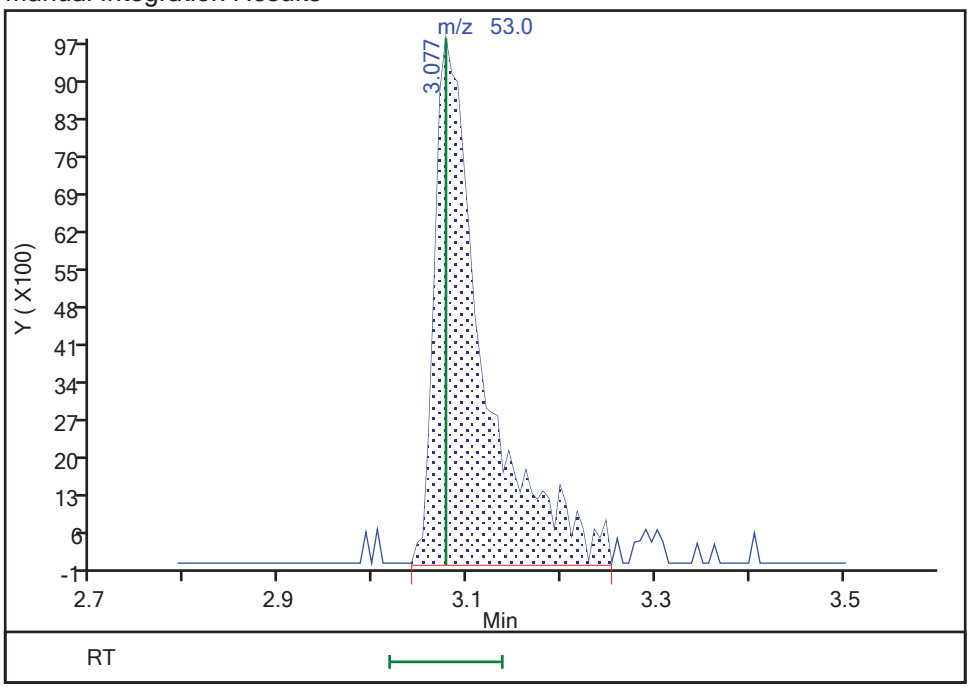
Processing Integration Results

RT: 3.08
Area: 28342
Amount: 4.244311
Amount Units: ug/L



Manual Integration Results

RT: 3.08
Area: 35733
Amount: 5.104843
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:02:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

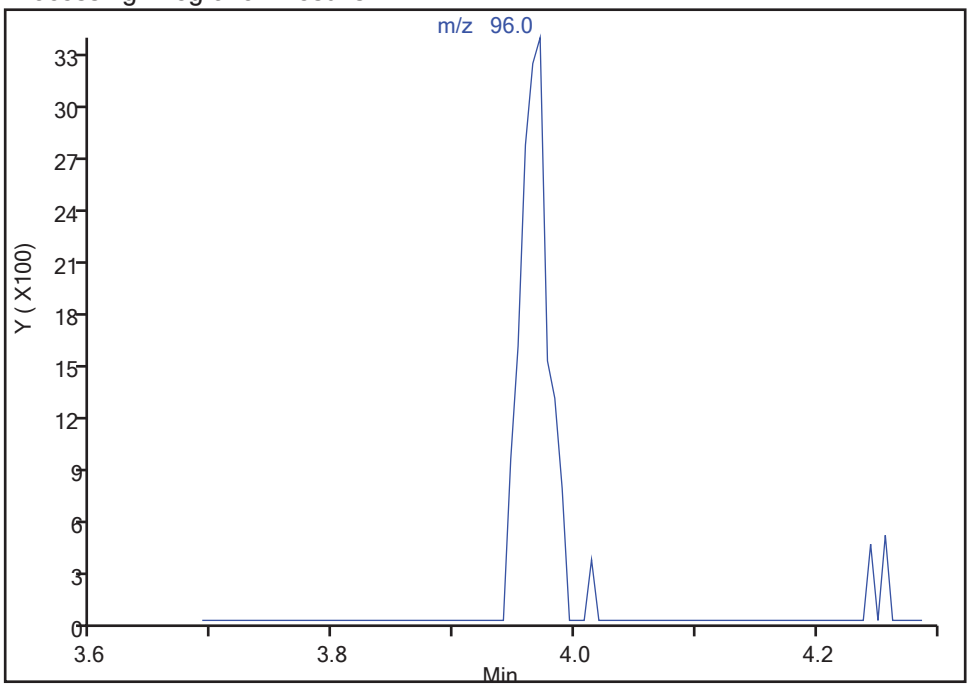
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

45 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

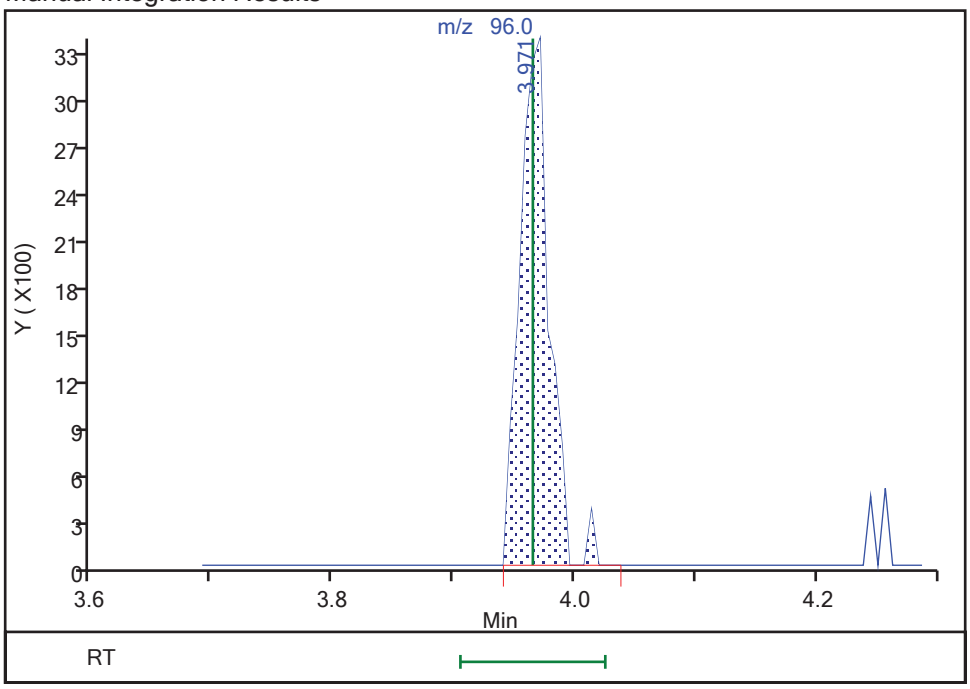
Not Detected
Expected RT: 3.97

Processing Integration Results



Manual Integration Results

RT: 3.97
Area: 5803
Amount: 0.469499
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:02:50
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

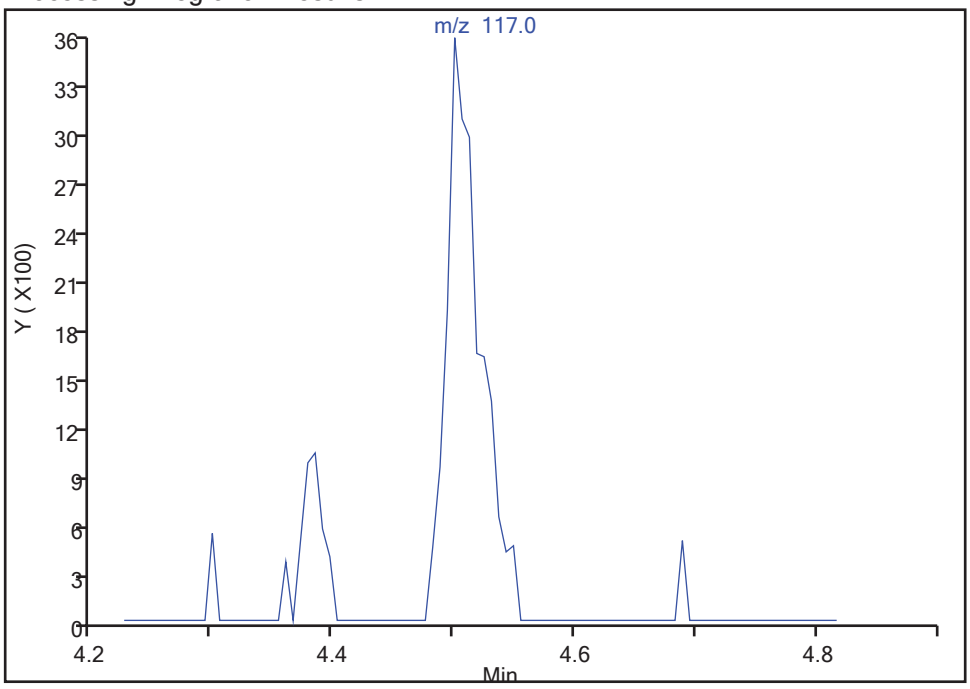
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

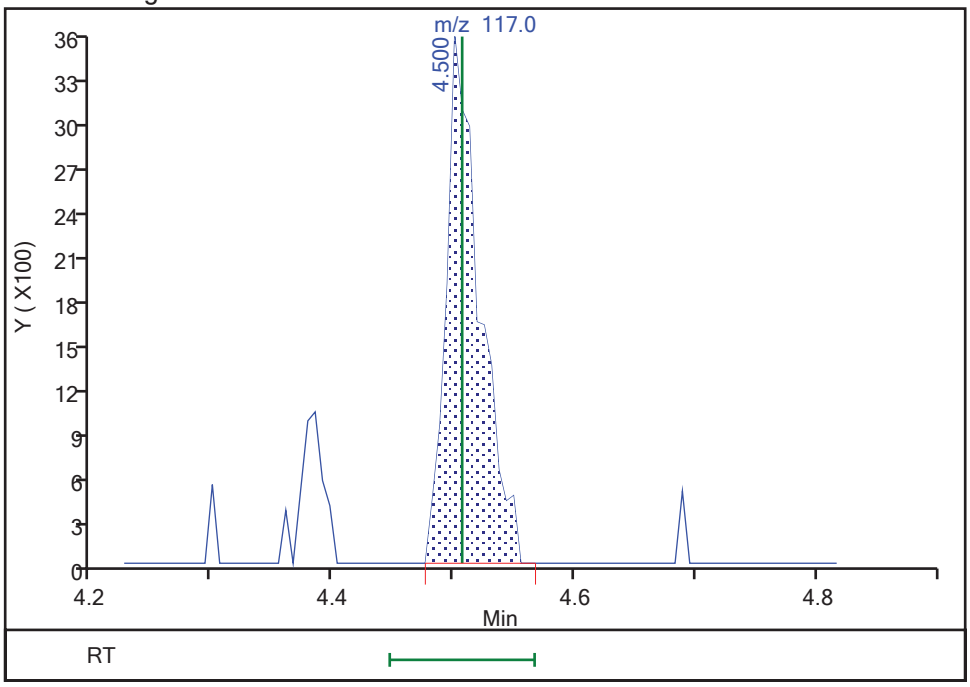
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.50
Area: 6824
Amount: 0.473807
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:03:07
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

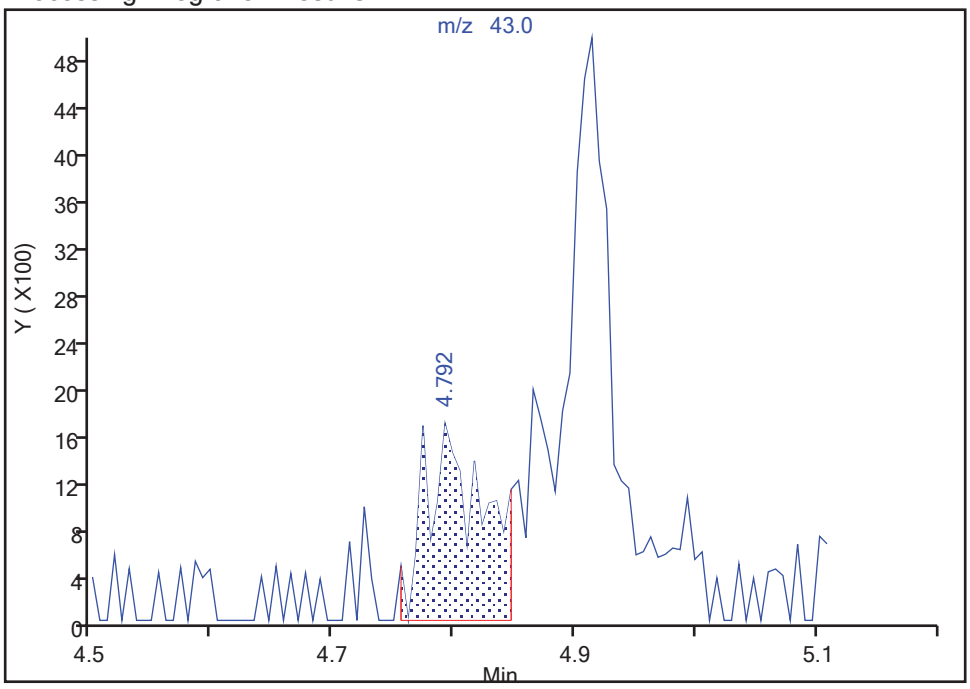
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

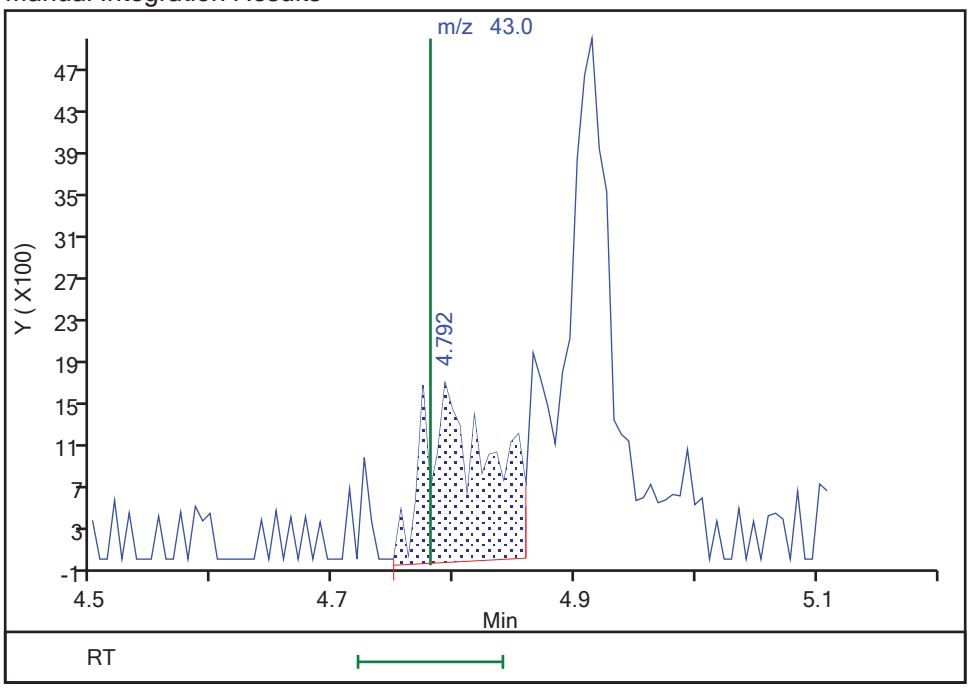
Processing Integration Results

RT: 4.79
Area: 5555
Amount: 10.459212
Amount Units: ug/L



Manual Integration Results

RT: 4.79
Area: 6411
Amount: 11.723614
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:03:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

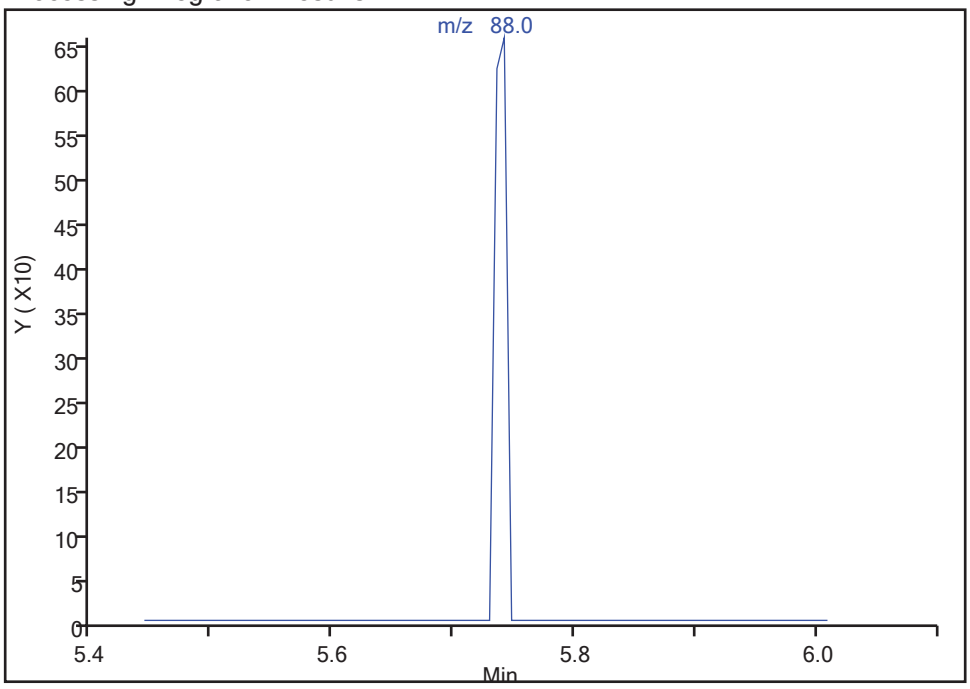
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

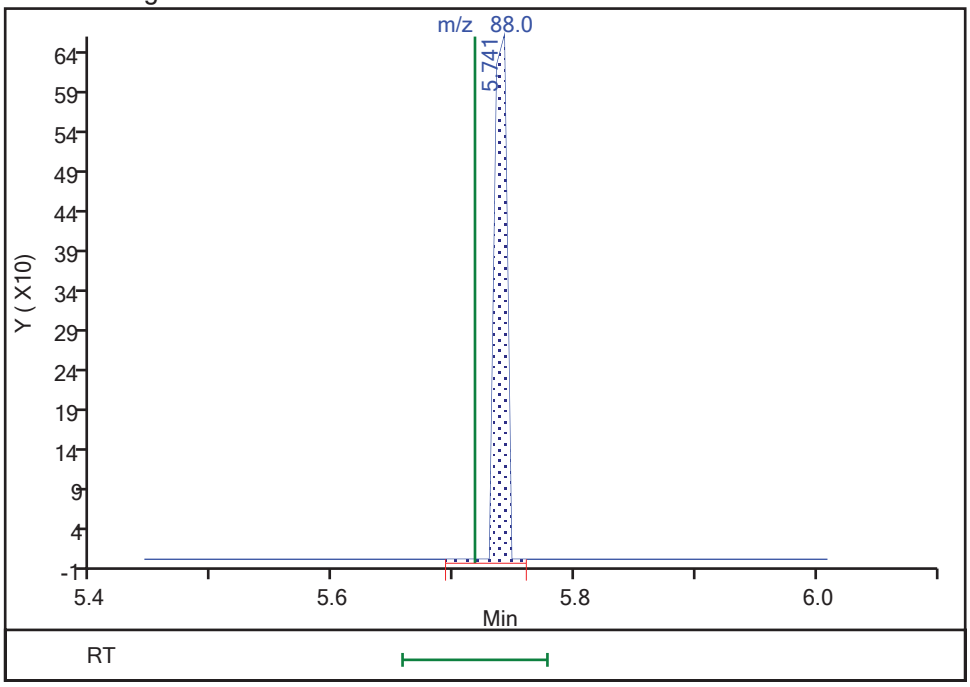
Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results

RT: 5.74
Area: 490
Amount: 10.425523
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:04:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

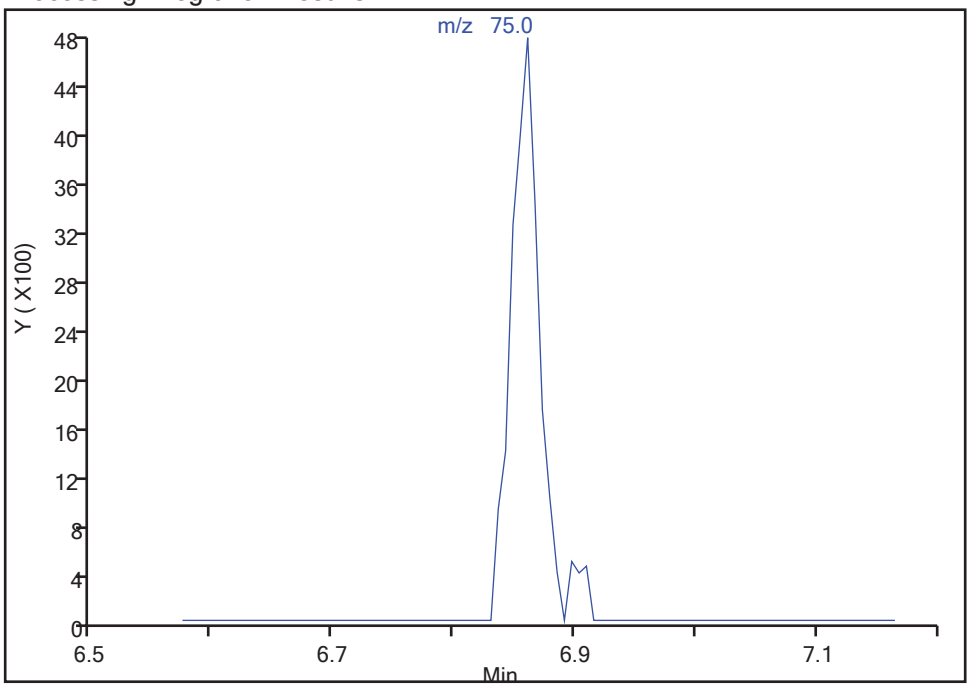
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

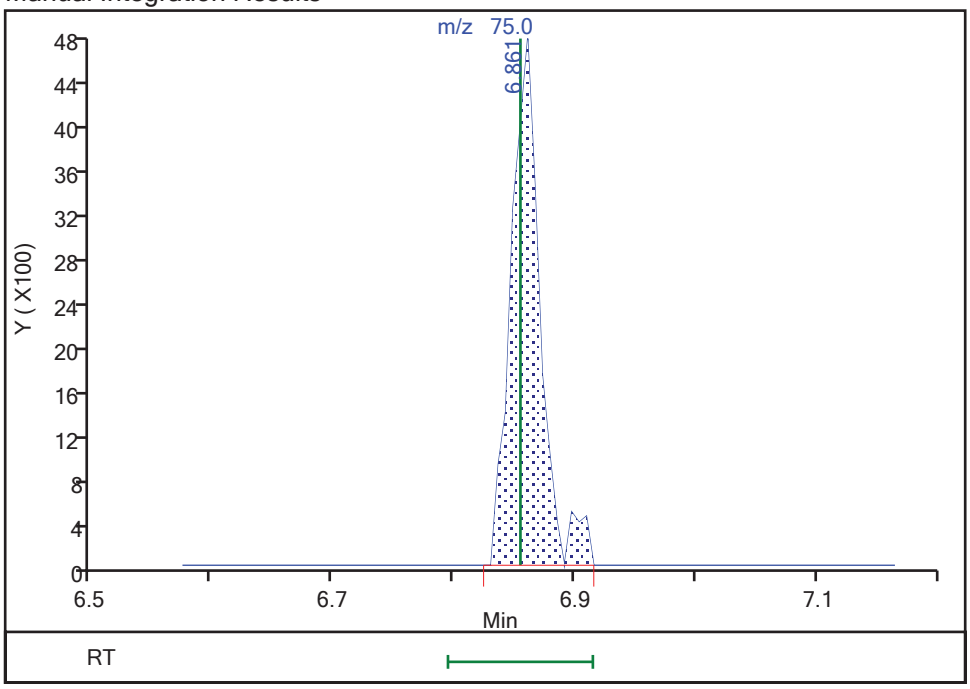
Not Detected
Expected RT: 6.85

Processing Integration Results



RT: 6.86
Area: 7975
Amount: 0.484383
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 15-Sep-2021 10:04:10
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

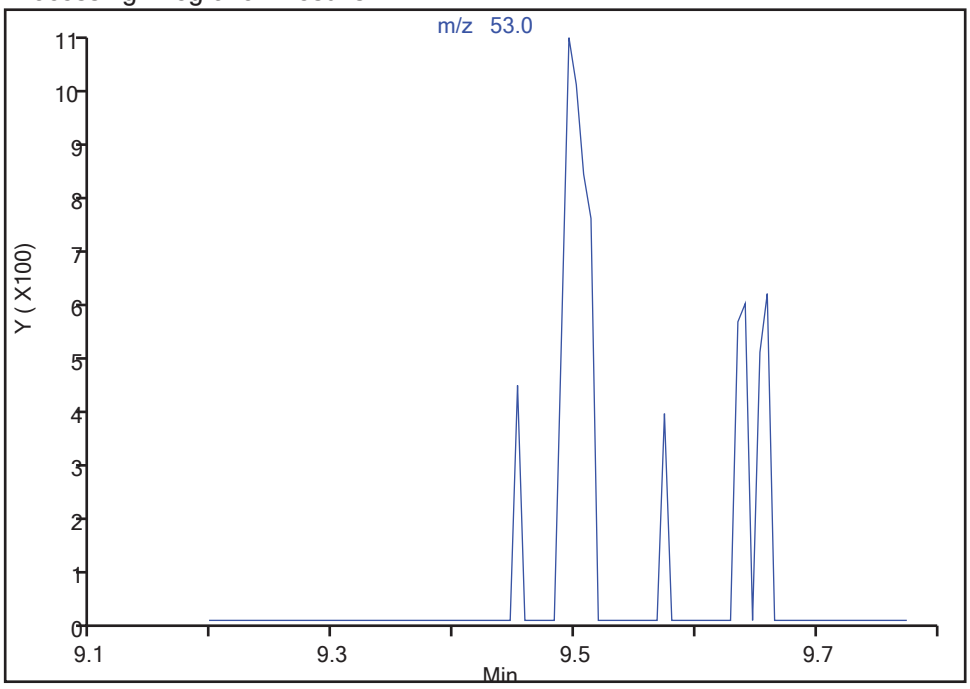
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

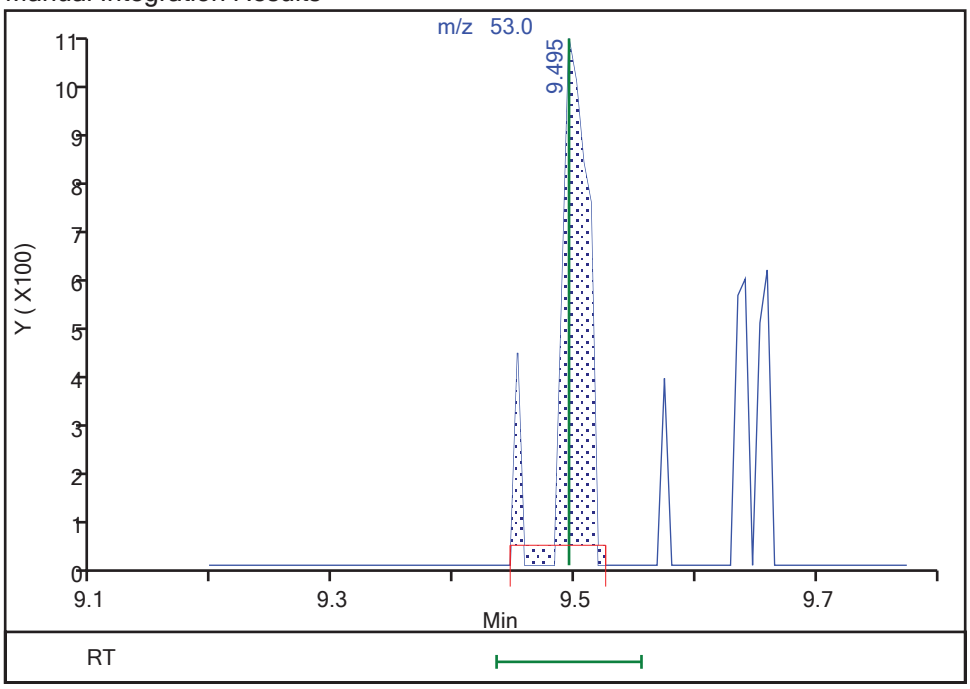
Not Detected
Expected RT: 9.50

Processing Integration Results



Manual Integration Results

RT: 9.50
Area: 1440
Amount: 0.813156
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:04:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Sep-2021 18:00:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0100971-005
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:12 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:08:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	159409	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.968	7.962	0.006	86	339179	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	92	344522	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	58	212834	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.731	4.732	-0.001	99	142925	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	91	847396	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	91	282213	25.0	24.6	
10 Dichlorodifluoromethane	85	1.094	1.088	0.006	71	13763	1.00	1.21	M
12 Chloromethane	50	1.246	1.246	0.000	69	17453	1.00	1.16	M
13 Vinyl chloride	62	1.331	1.319	0.012	37	15649	1.00	1.15	
151 Butadiene	54	1.331	1.325	0.006	79	20046	1.00	1.25	M
14 Bromomethane	94	1.586	1.586	0.000	76	11587	1.00	1.27	
15 Chloroethane	64	1.653	1.647	0.006	69	12246	1.00	1.29	M
16 Dichlorofluoromethane	67	1.854	1.848	0.006	66	25450	1.00	1.30	
17 Trichlorofluoromethane	101	1.860	1.860	0.000	69	19118	1.00	1.14	
18 Ethyl ether	59	2.091	2.091	0.000	72	12966	1.00	1.13	
20 Acrolein	56	2.268	2.274	-0.006	0	3866	5.00	4.67	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.292	2.292	0.000	45	6790	1.00	0.7505	
22 1,1-Dichloroethene	96	2.310	2.304	0.006	85	8901	1.00	0.9179	
23 Acetone	43	2.414	2.420	-0.006	91	26222	5.00	5.34	M
25 Iodomethane	142	2.468	2.462	0.006	85	16506	1.00	0.9519	
26 Carbon disulfide	76	2.499	2.499	0.000	57	29529	1.00	0.9477	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	77	19534	1.00	1.02	
27 Methyl acetate	43	2.706	2.700	0.006	87	34824	2.00	2.70	
30 Methylene Chloride	84	2.809	2.803	0.006	75	18217	1.00	0.9763	M
31 2-Methyl-2-propanol	59	3.040	2.973	0.067	0	16766	10.0	11.0	M
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	89	35346	1.00	1.01	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	79	11639	1.00	1.07	
33 Acrylonitrile	53	3.083	3.077	0.006	98	71916	10.0	10.8	M
35 Hexane	57	3.192	3.199	-0.007	75	14614	1.00	0.8819	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.417	3.418	-0.001	46	19021	1.00	0.9493	
37 Vinyl acetate	43	3.484	3.478	0.006	94	52625	2.00	1.99	
44 2,2-Dichloropropane	77	3.935	3.923	0.012	65	9229	1.00	0.9066	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	51	12256	1.00	1.04	
43 2-Butanone (MEK)	43	4.014	4.008	0.006	96	39368	5.00	5.26	
48 Chlorobromomethane	128	4.190	4.196	-0.006	77	6077	1.00	0.9592	
49 Tetrahydrofuran	42	4.214	4.208	0.006	86	14243	2.00	2.56	M
50 Chloroform	83	4.281	4.275	0.006	69	21006	1.00	1.06	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	69	13154	1.00	0.8386	
52 Cyclohexane	56	4.385	4.379	0.006	73	16584	1.00	0.8112	
55 Carbon tetrachloride	117	4.512	4.507	0.005	64	11649	1.00	0.8463	a
54 1,1-Dichloropropene	75	4.531	4.525	0.006	63	12118	1.00	0.8801	
57 Benzene	78	4.731	4.726	0.005	45	42070	1.00	0.9875	
53 Isobutyl alcohol	43	4.792	4.780	0.012	31	15080	25.0	28.9	
58 1,2-Dichloroethane	62	4.804	4.805	-0.001	22	16704	1.00	1.03	
59 n-Heptane	43	4.920	4.914	0.006	80	15417	1.00	0.8195	
62 Trichloroethene	95	5.334	5.334	0.000	68	9604	1.00	0.9422	
64 Methylcyclohexane	83	5.449	5.443	0.006	79	15744	1.00	0.8460	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	71	11770	1.00	1.09	
67 Dibromomethane	93	5.711	5.711	0.000	71	7285	1.00	1.08	
66 1,4-Dioxane	88	5.741	5.717	0.024	36	1555	20.0	17.6	
68 Dichlorobromomethane	83	5.875	5.869	0.006	69	12398	1.00	1.00	
69 2-Chloroethyl vinyl ether	63	6.161	6.155	0.006	62	7622	1.00	1.02	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	55	15038	1.00	0.9367	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	86343	5.00	5.04	
74 Toluene	92	6.563	6.557	0.006	80	27366	1.00	1.00	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	76	14862	1.00	0.9393	
75 Ethyl methacrylate	69	6.909	6.903	0.006	44	12020	1.00	0.8804	
79 1,1,2-Trichloroethane	83	7.043	7.037	0.006	75	8484	1.00	1.00	
81 Tetrachloroethene	166	7.086	7.080	0.006	75	10310	1.00	0.8646	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	81	18490	1.00	1.06	
80 2-Hexanone	43	7.274	7.275	-0.001	95	59331	5.00	5.16	
83 Chlorodibromomethane	129	7.420	7.427	-0.007	49	8552	1.00	0.8568	
84 Ethylene Dibromide	107	7.524	7.518	0.006	72	9938	1.00	0.9373	
87 Chlorobenzene	112	7.992	7.992	0.000	80	28913	1.00	0.9234	
88 Ethylbenzene	91	8.090	8.090	0.000	90	46851	1.00	0.9081	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	31	10897	1.00	0.9620	
90 m-Xylene & p-Xylene	106	8.217	8.211	0.006	92	19060	1.00	0.9109	
91 o-Xylene	106	8.631	8.631	0.000	90	18572	1.00	0.8976	
92 Styrene	104	8.668	8.668	0.000	67	33330	1.00	0.9802	
95 Bromoform	173	8.911	8.911	0.000	75	5908	1.00	0.8510	
94 Isopropylbenzene	105	9.020	9.021	-0.001	88	46169	1.00	0.8821	
101 Bromobenzene	156	9.373	9.367	0.006	77	12894	1.00	0.9654	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	47	14660	1.00	1.02	
99 N-Propylbenzene	91	9.464	9.465	-0.001	95	54651	1.00	0.9329	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	44	4615	1.00	0.9286	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	33	3414	1.00	1.22	
103 2-Chlorotoluene	126	9.562	9.562	0.000	85	13643	1.00	1.07	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	87	40441	1.00	0.9086	
105 4-Chlorotoluene	126	9.684	9.684	0.000	77	11779	1.00	0.9332	
106 tert-Butylbenzene	134	9.982	9.976	0.006	78	8822	1.00	0.8935	
107 1,2,4-Trimethylbenzene	105	10.036	10.037	-0.001	86	41879	1.00	0.9066	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	70	48653	1.00	0.8836	
111 1,3-Dichlorobenzene	146	10.328	10.329	-0.001	86	24711	1.00	0.9385	
110 4-Isopropyltoluene	119	10.347	10.341	0.006	86	42227	1.00	0.8588	
113 1,4-Dichlorobenzene	146	10.414	10.420	-0.006	53	25939	1.00	0.9626	
115 n-Butylbenzene	91	10.736	10.736	0.000	91	35067	1.00	0.8581	
116 1,2-Dichlorobenzene	146	10.772	10.773	-0.001	84	26933	1.00	1.00	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	23	2629	1.00	0.8988	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	80	20781	1.00	1.02	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	48	8364	1.00	0.9689	
121 Naphthalene	128	12.409	12.409	0.000	91	60671	1.00	0.99	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	86	21204	1.00	1.05	
S 123 Total BTEX	1				0			4.70	
S 126 1,3-Dichloropropene, Total	1				0			1.88	
S 125 1,2-Dichloroethene, Total	1				0			2.10	
S 124 Xylenes, Total	1				0			1.81	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GAS CORP mix_00472	Amount Added:	1.00	Units: uL	
8260 CORP mix_00214	Amount Added:	1.00	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

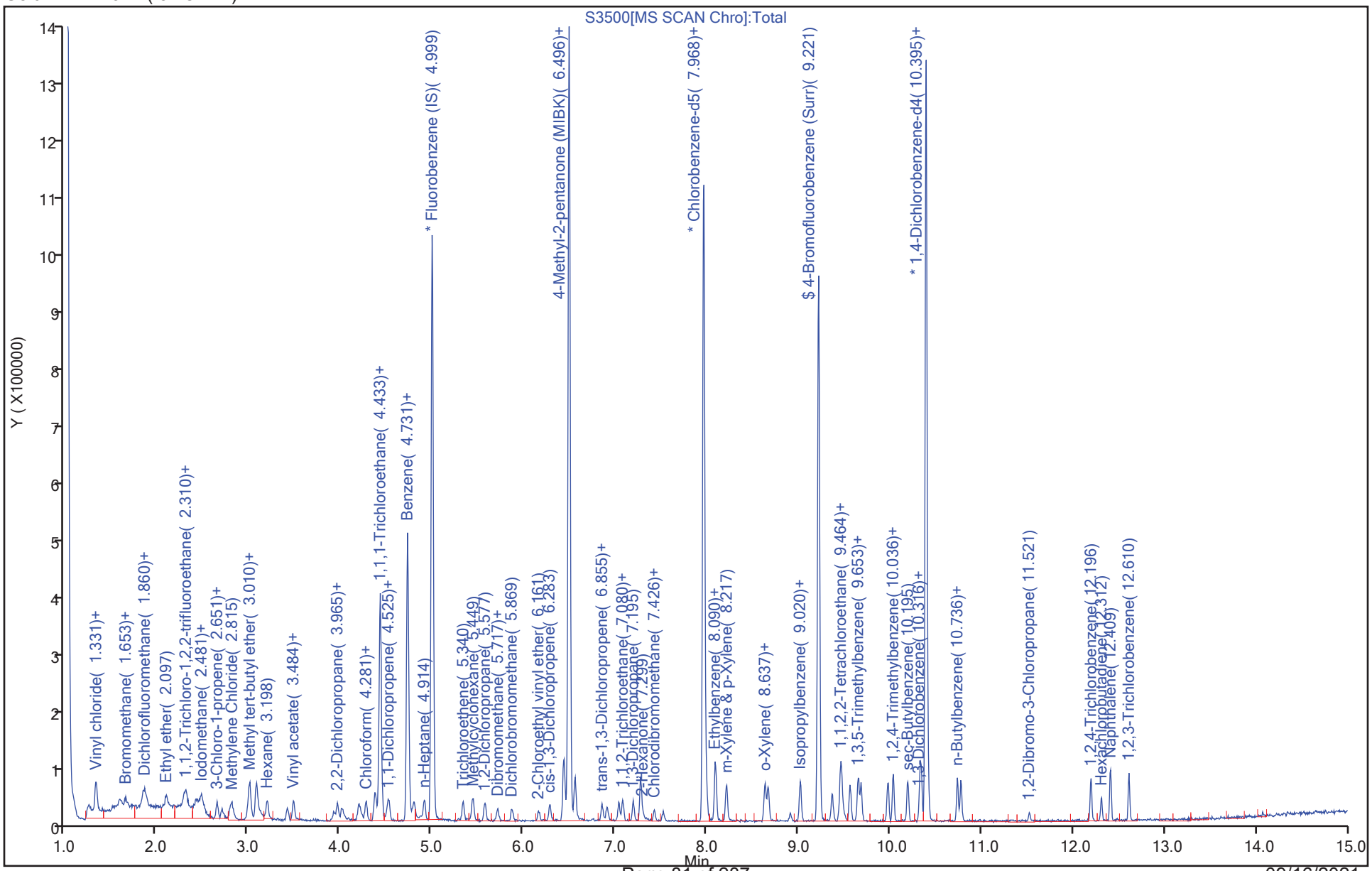
Report Date: 15-Sep-2021 10:50:13 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D

Injection Date:	14-Sep-2021 18:00:30	Instrument ID:	HP5973S	Operator ID:	wd
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

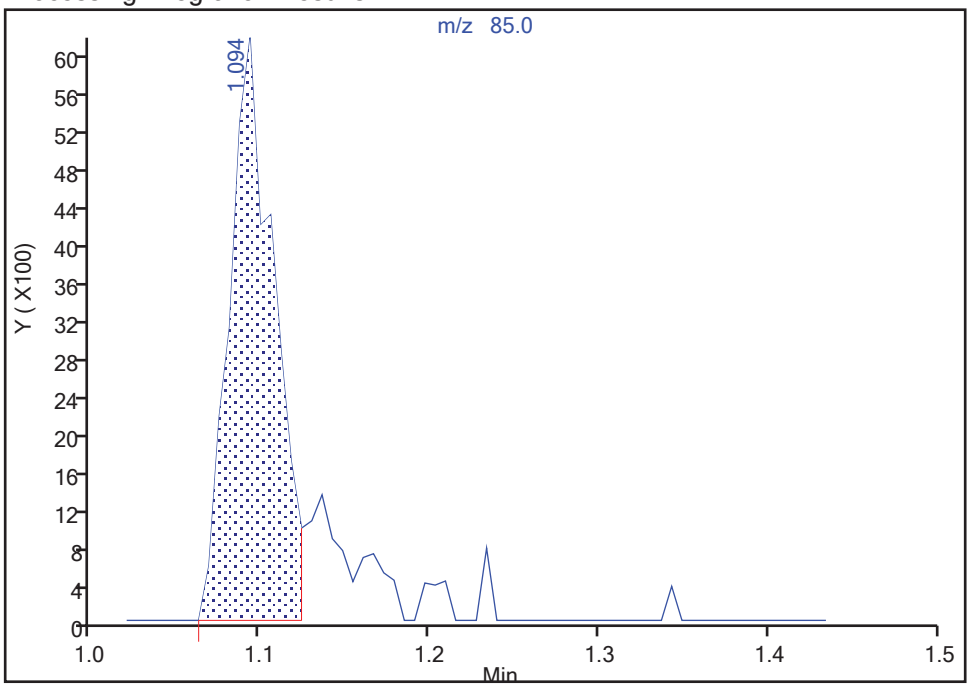
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

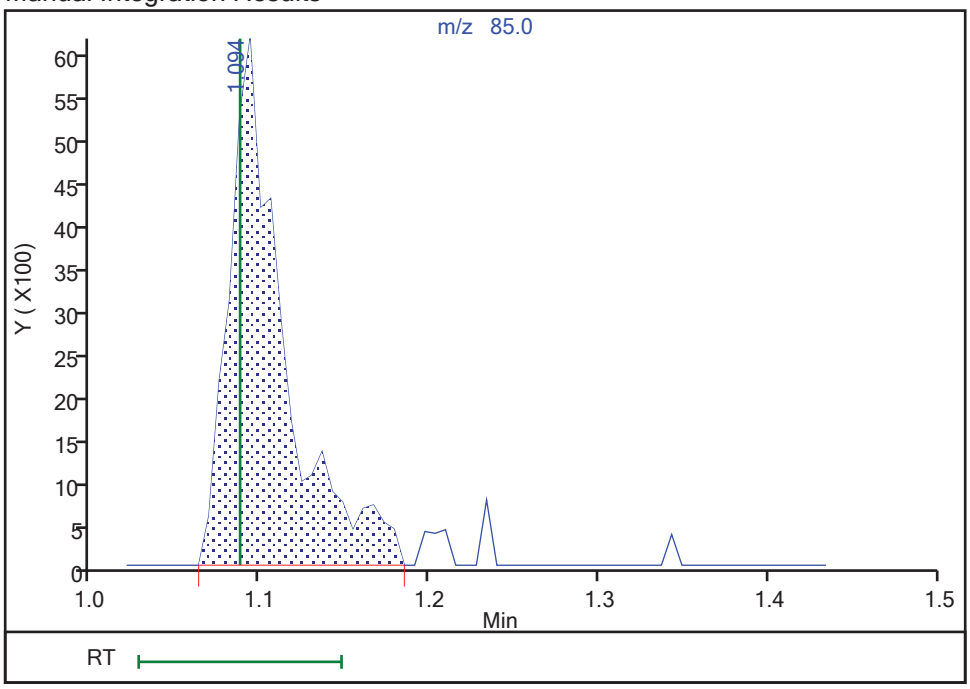
Processing Integration Results

RT: 1.09
Area: 11344
Amount: 1.072896
Amount Units: ug/L



Manual Integration Results

RT: 1.09
Area: 13763
Amount: 1.213186
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:05:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

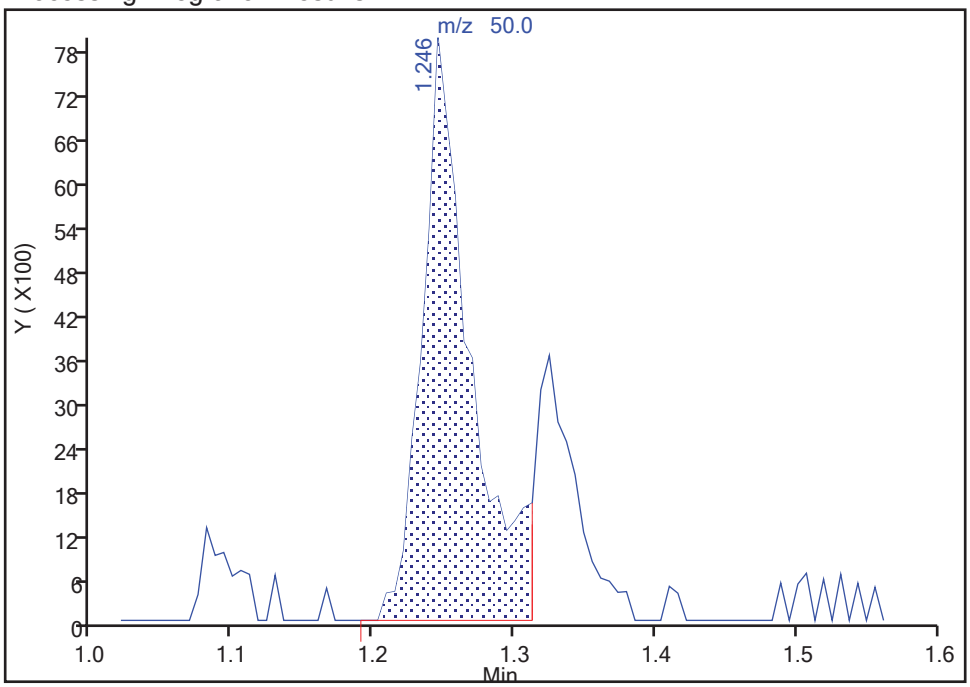
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

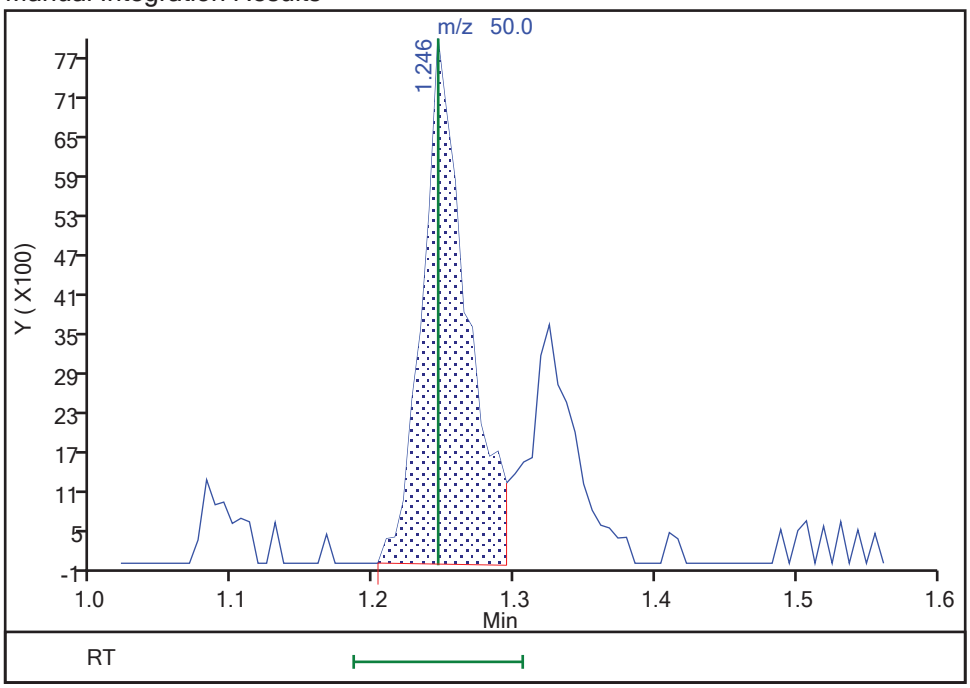
Processing Integration Results

RT: 1.25
Area: 19010
Amount: 1.257143
Amount Units: ug/L



Manual Integration Results

RT: 1.25
Area: 17453
Amount: 1.164398
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:05:37
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

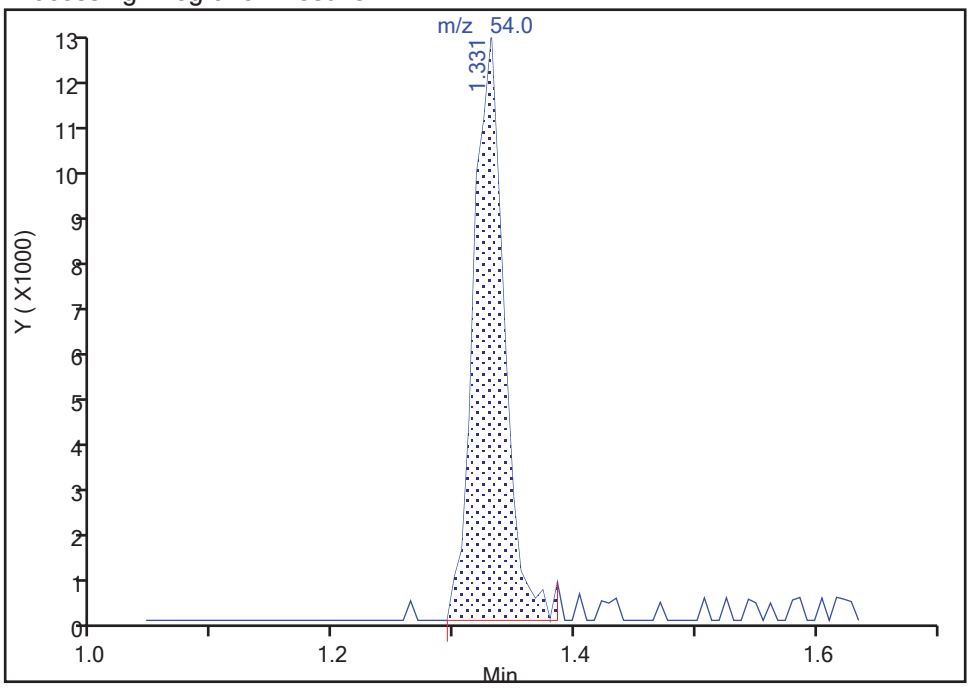
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

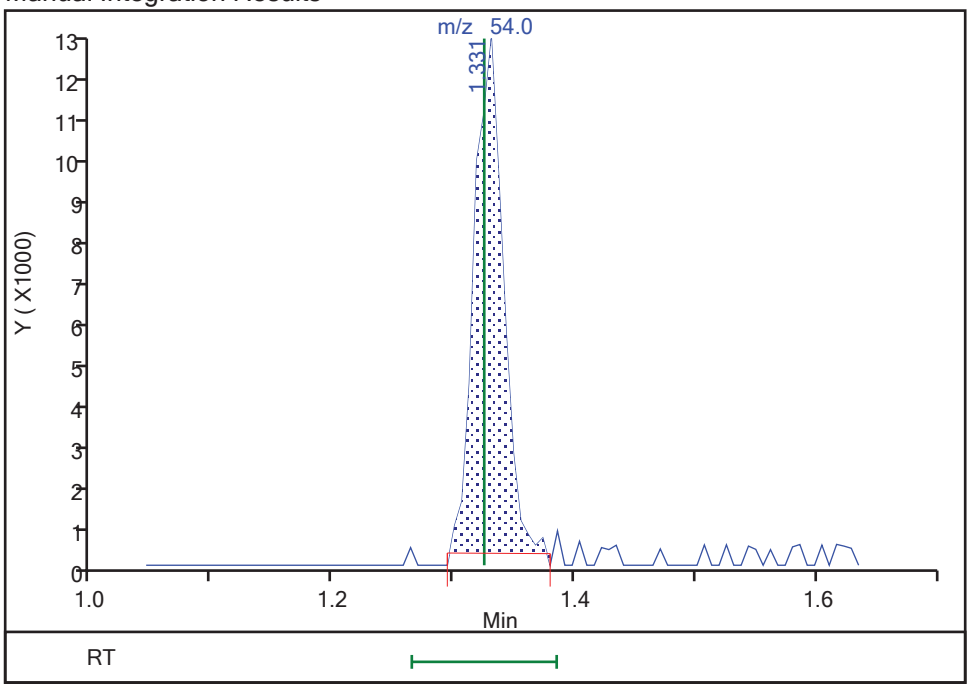
Processing Integration Results

RT: 1.33
Area: 21864
Amount: 1.340360
Amount Units: ug/L



Manual Integration Results

RT: 1.33
Area: 20046
Amount: 1.246271
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:22:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

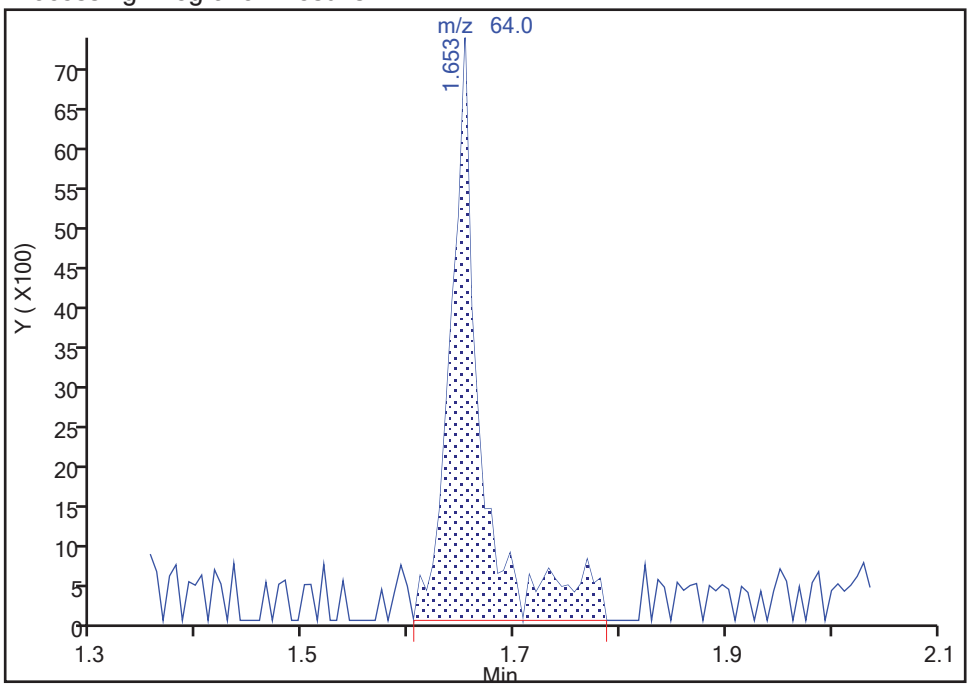
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

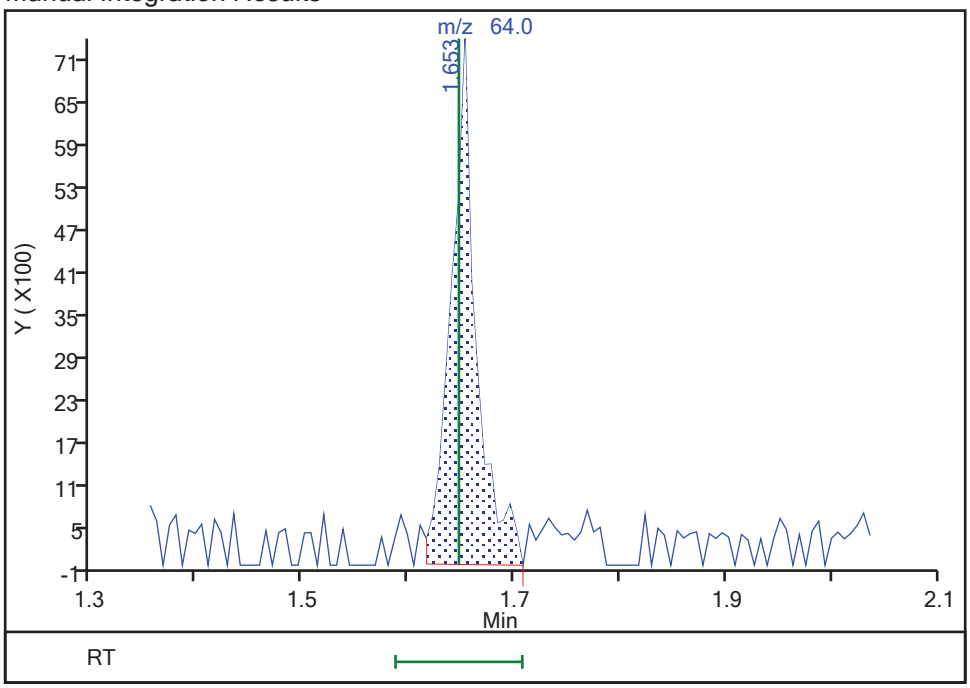
Processing Integration Results

RT: 1.65
Area: 14705
Amount: 1.504391
Amount Units: ug/L



Manual Integration Results

RT: 1.65
Area: 12246
Amount: 1.293499
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:06:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

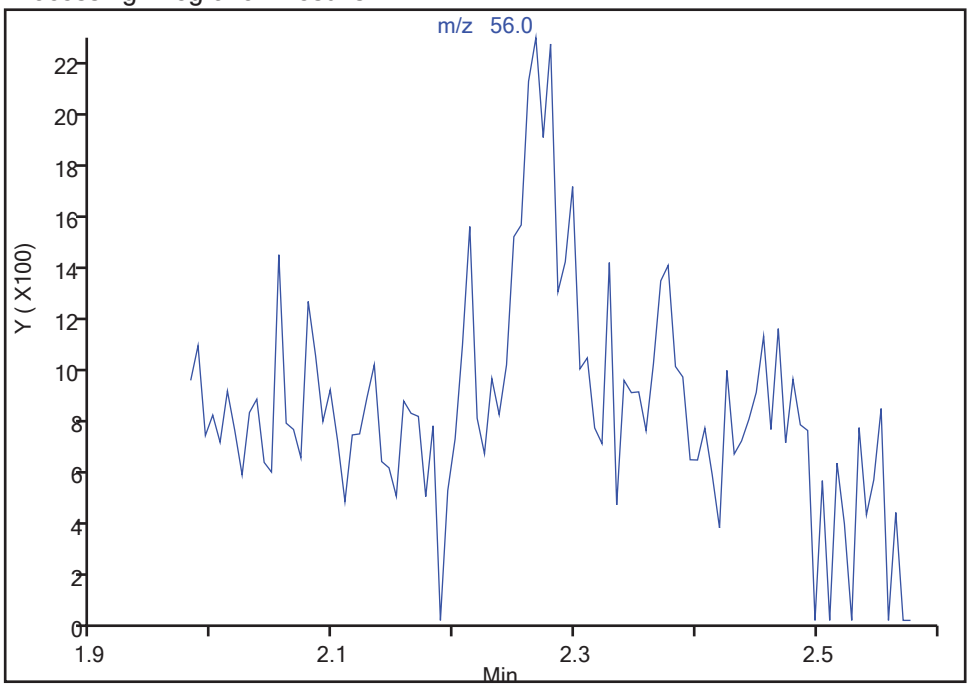
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

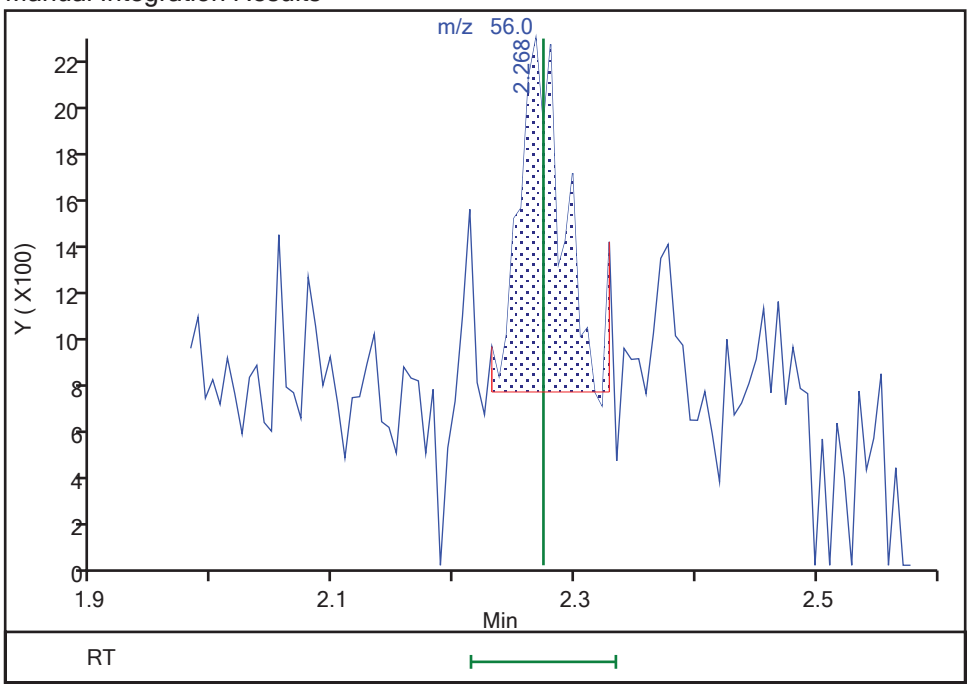
Not Detected
Expected RT: 2.27

Processing Integration Results



Manual Integration Results

RT: 2.27
Area: 3866
Amount: 4.666376
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:06:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

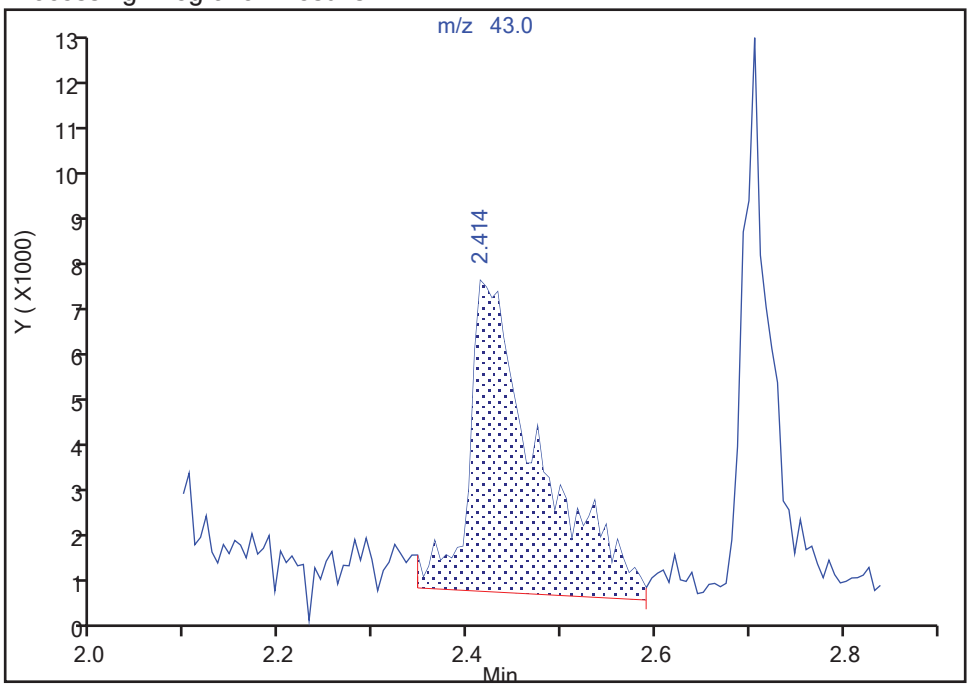
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

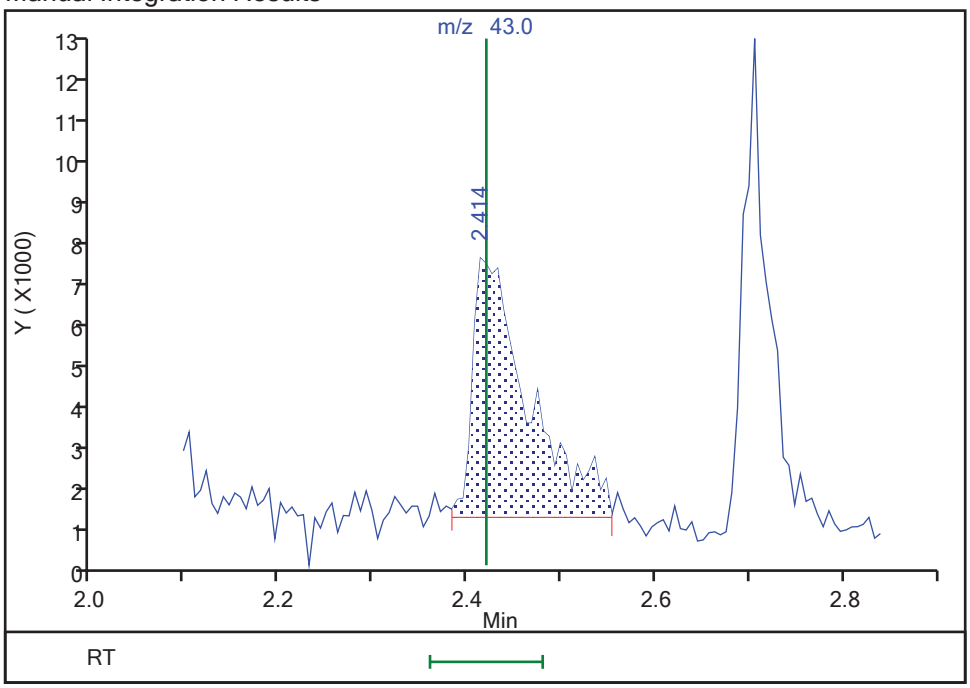
Processing Integration Results

RT: 2.41
Area: 35426
Amount: 6.725680
Amount Units: ug/L



Manual Integration Results

RT: 2.41
Area: 26222
Amount: 5.344782
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:06:35
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

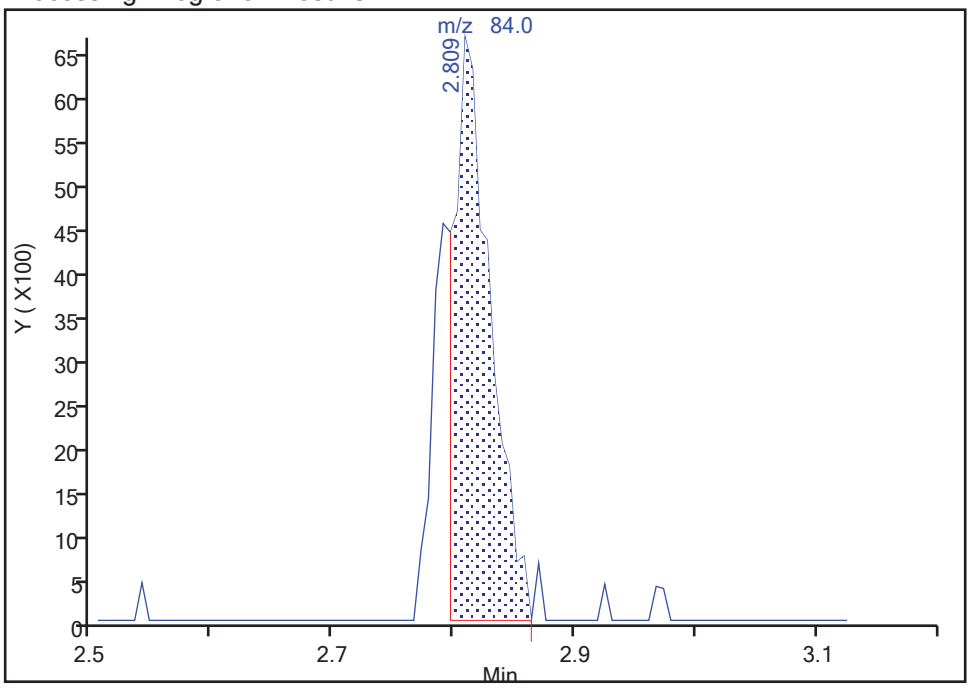
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

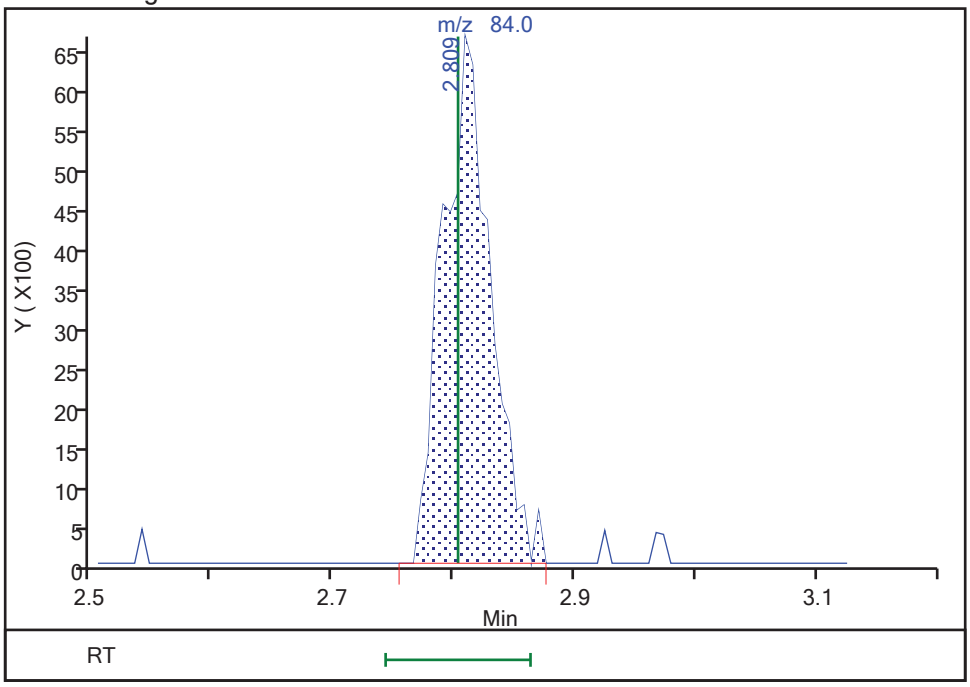
Processing Integration Results

RT: 2.81
Area: 14152
Amount: 0.717290
Amount Units: ug/L



Manual Integration Results

RT: 2.81
Area: 18217
Amount: 0.976341
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:06:48
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

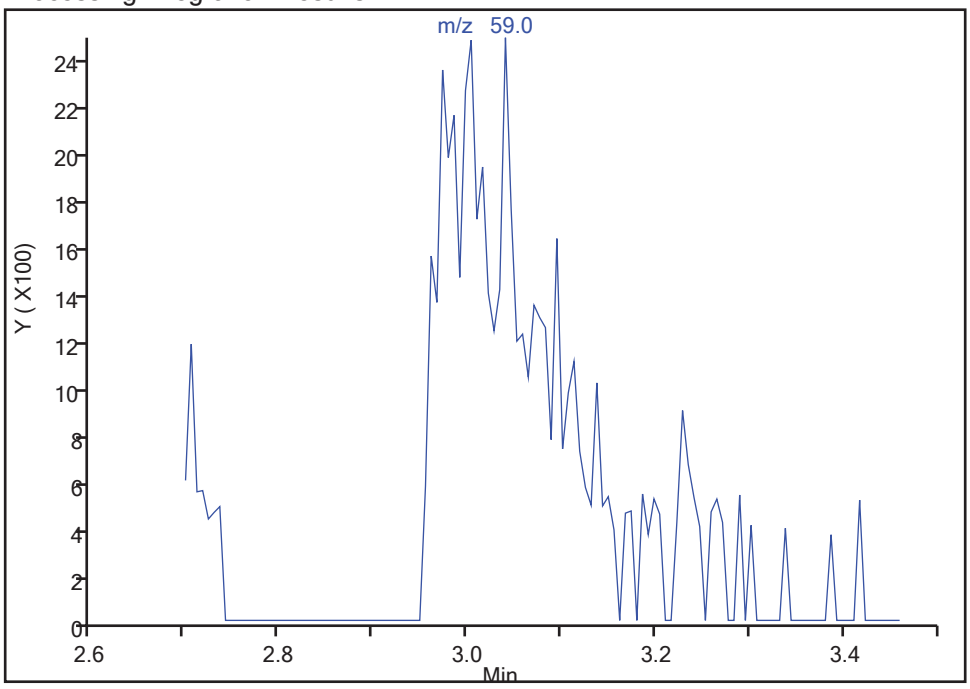
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

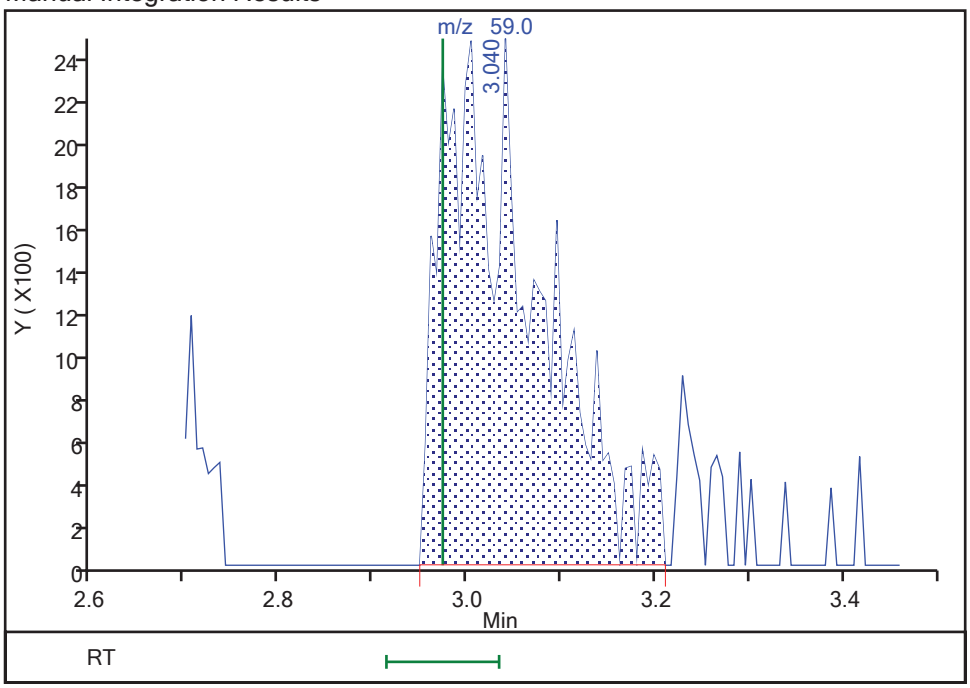
Not Detected
Expected RT: 2.97

Processing Integration Results



Manual Integration Results

RT: 3.04
Area: 16766
Amount: 10.977676
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:06:59
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

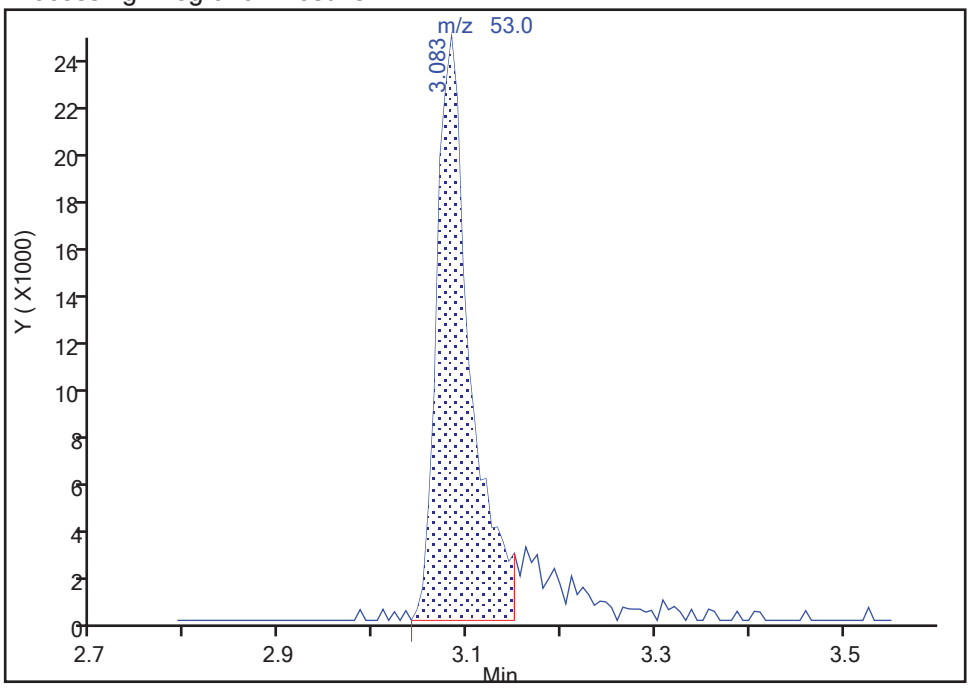
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

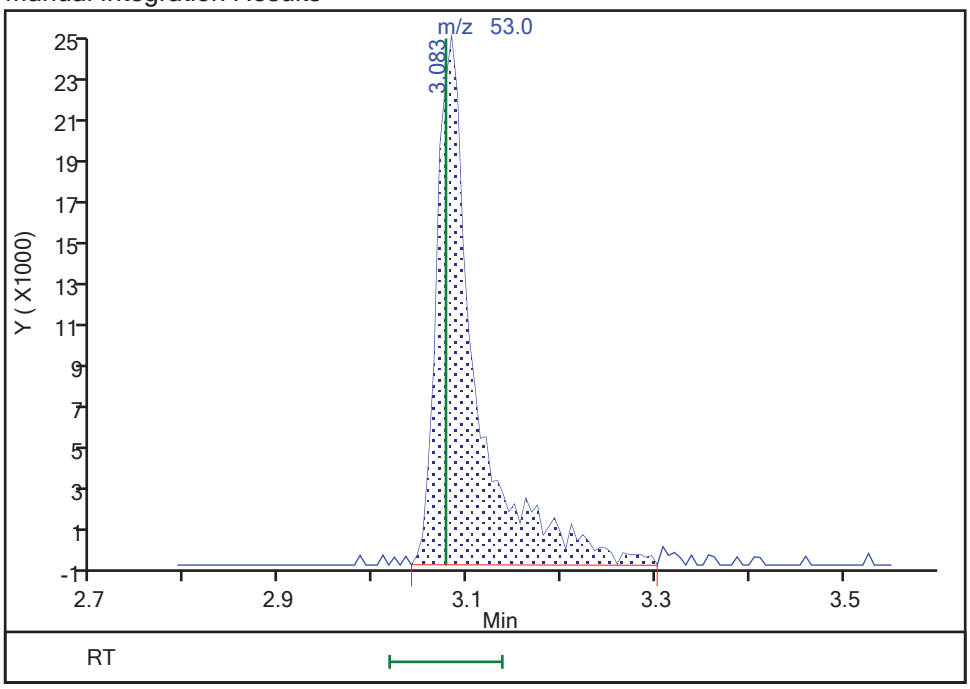
Processing Integration Results

RT: 3.08
Area: 61411
Amount: 9.364024
Amount Units: ug/L



Manual Integration Results

RT: 3.08
Area: 71916
Amount: 10.750584
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:07:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

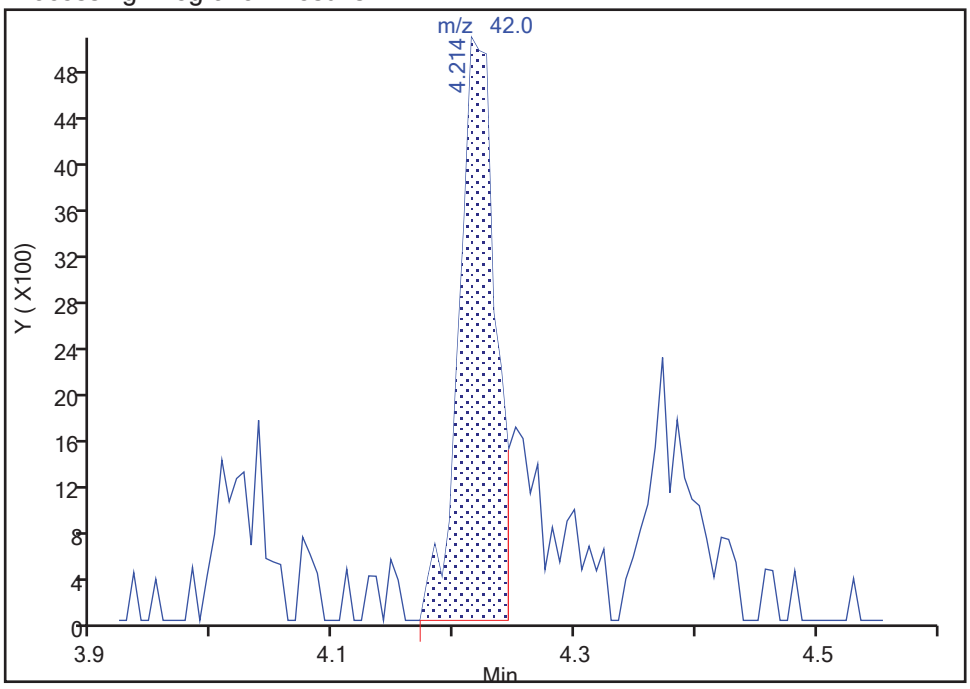
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

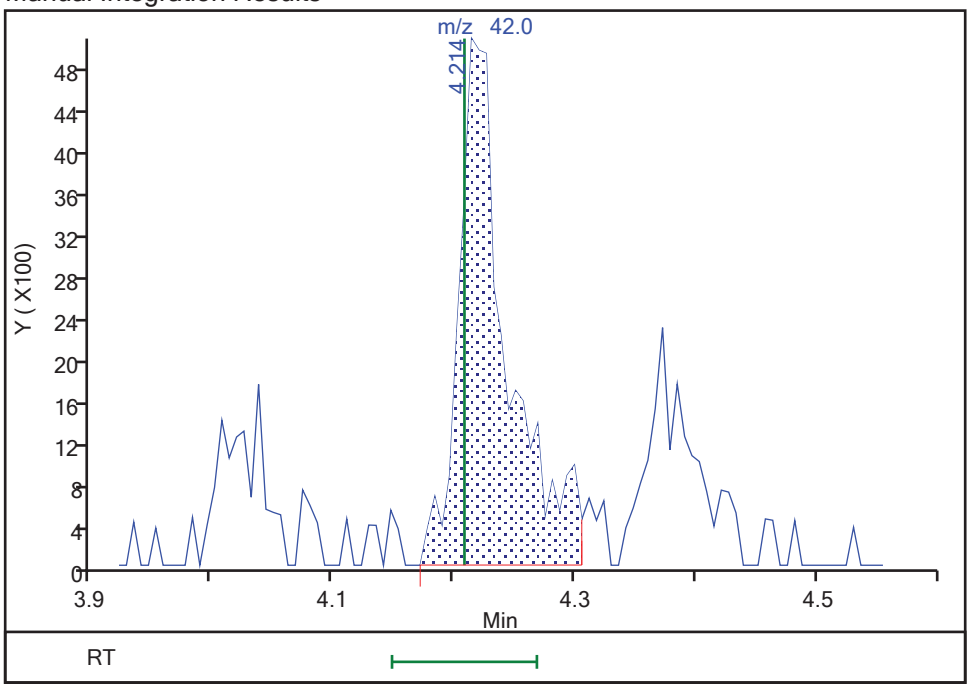
Processing Integration Results

RT: 4.21
Area: 10698
Amount: 1.935999
Amount Units: ug/L



Manual Integration Results

RT: 4.21
Area: 14243
Amount: 2.562173
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:07:28
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

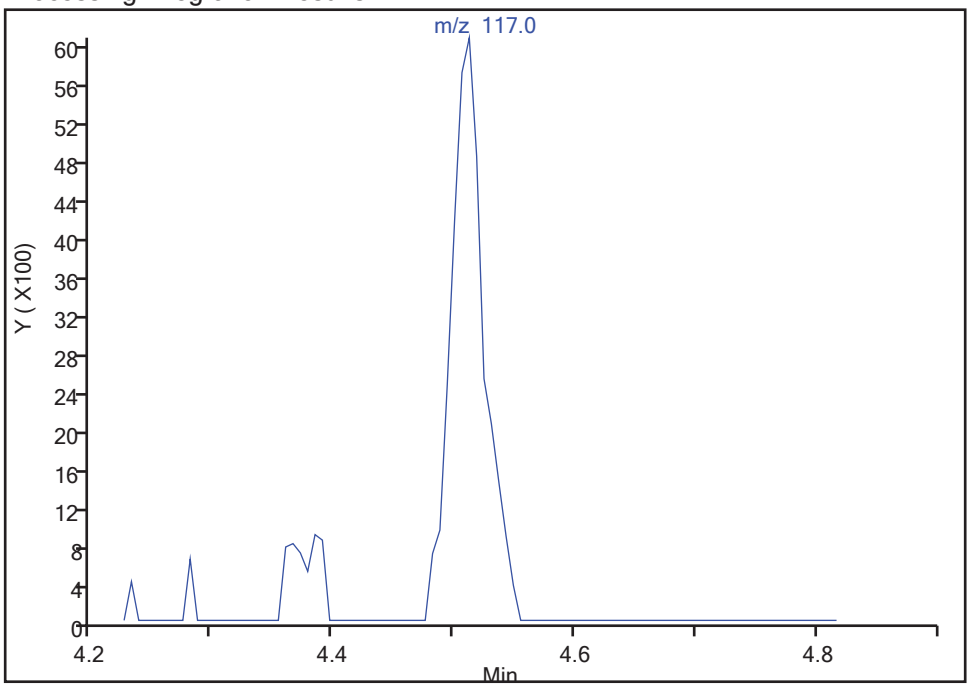
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

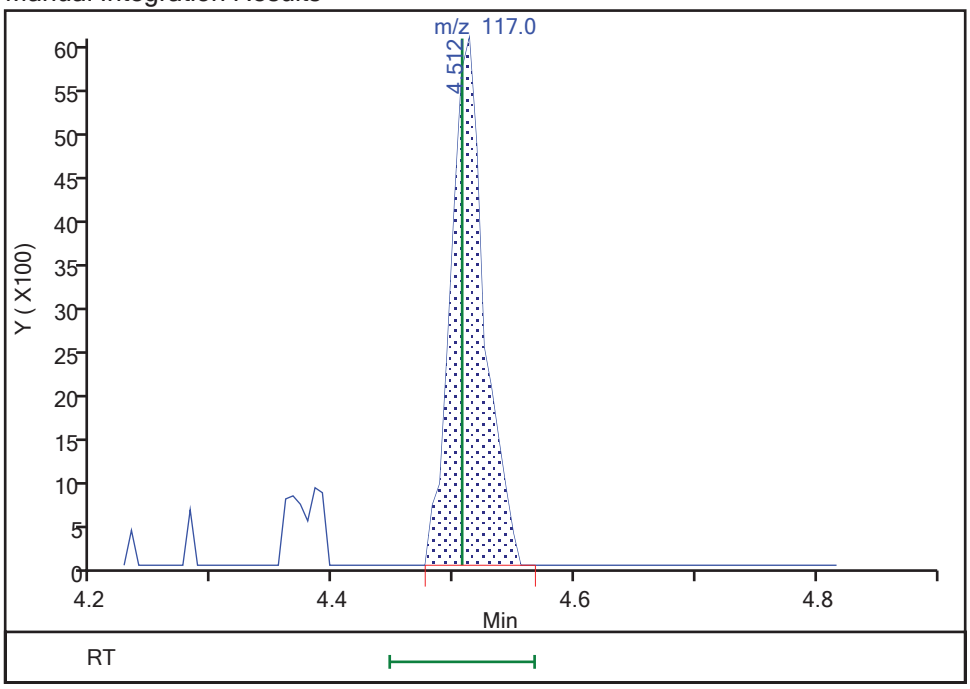
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.51
Area: 11649
Amount: 0.846340
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:07:36
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Sep-2021 18:24:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0100971-006
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:16 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:15:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	151634	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	84	318378	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	92	339540	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	56	217221	25.0	26.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	93	139607	25.0	26.4	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	83	784649	25.0	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	90	270371	25.0	25.1	
10 Dichlorodifluoromethane	85	1.087	1.088	-0.001	87	22907	2.00	2.12	M
12 Chloromethane	50	1.240	1.246	-0.006	78	29708	2.00	2.08	
13 Vinyl chloride	62	1.325	1.319	0.006	43	26366	2.00	2.04	
151 Butadiene	54	1.325	1.325	0.000	73	32946	2.00	2.15	
14 Bromomethane	94	1.586	1.586	0.000	75	19222	2.00	2.21	
15 Chloroethane	64	1.647	1.647	0.000	86	19176	2.00	2.13	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	77	41910	2.00	2.25	
17 Trichlorofluoromethane	101	1.854	1.860	-0.006	65	32967	2.00	2.07	
18 Ethyl ether	59	2.091	2.091	0.000	94	22330	2.00	2.05	
20 Acrolein	56	2.262	2.274	-0.012	65	8758	10.0	11.1	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	62	18476	2.00	2.15	
22 1,1-Dichloroethene	96	2.310	2.304	0.006	80	20158	2.00	2.19	
23 Acetone	43	2.414	2.420	-0.006	0	47804	10.0	10.2	M
25 Iodomethane	142	2.462	2.462	0.000	89	35311	2.00	2.14	
26 Carbon disulfide	76	2.493	2.499	-0.006	96	61224	2.00	2.07	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	86	37253	2.00	2.05	
27 Methyl acetate	43	2.700	2.700	0.000	96	51163	4.00	4.16	
30 Methylene Chloride	84	2.791	2.803	-0.012	87	29543	2.00	2.14	M
31 2-Methyl-2-propanol	59	2.967	2.973	-0.006	70	25212	20.0	17.4	
32 Methyl tert-butyl ether	73	2.992	2.998	-0.006	88	71127	2.00	2.14	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	91	22571	2.00	2.17	
33 Acrylonitrile	53	3.077	3.077	0.000	99	138939	20.0	21.8	
35 Hexane	57	3.198	3.199	-0.001	85	30699	2.00	1.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.411	3.418	-0.007	82	41551	2.00	2.18	
37 Vinyl acetate	43	3.478	3.478	0.000	96	94331	4.00	3.75	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	76	20975	2.00	2.17	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	68	25730	2.00	2.29	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	91	68030	10.0	9.55	
48 Chlorobromomethane	128	4.190	4.196	-0.006	81	13477	2.00	2.24	
49 Tetrahydrofuran	42	4.214	4.208	0.006	80	20774	4.00	3.93	
50 Chloroform	83	4.275	4.275	0.000	92	39328	2.00	2.08	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	86	32745	2.00	2.19	
52 Cyclohexane	56	4.379	4.379	0.000	87	40688	2.00	2.09	
55 Carbon tetrachloride	117	4.513	4.507	0.006	66	28345	2.00	2.16	
54 1,1-Dichloropropene	75	4.531	4.525	0.006	82	28245	2.00	2.16	
57 Benzene	78	4.725	4.726	-0.001	56	81864	2.00	2.02	
53 Isobutyl alcohol	43	4.780	4.780	0.000	41	22972	50.0	46.2	
58 1,2-Dichloroethane	62	4.805	4.805	0.000	57	32363	2.00	2.10	
59 n-Heptane	43	4.908	4.914	-0.006	87	34920	2.00	1.95	
62 Trichloroethene	95	5.334	5.334	0.000	75	19554	2.00	2.02	
64 Methylcyclohexane	83	5.437	5.443	-0.006	87	37217	2.00	2.10	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	86	22277	2.00	2.16	
67 Dibromomethane	93	5.711	5.711	0.000	82	13464	2.00	2.10	
66 1,4-Dioxane	88	5.735	5.717	0.018	42	4694	40.0	40.4	M
68 Dichlorobromomethane	83	5.869	5.869	0.000	83	21981	2.00	1.86	
69 2-Chloroethyl vinyl ether	63	6.161	6.155	0.006	80	13348	2.00	1.87	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	70	29536	2.00	1.93	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	96	160227	10.0	9.96	
74 Toluene	92	6.563	6.557	0.006	92	48519	2.00	1.88	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	86	28197	2.00	1.90	
75 Ethyl methacrylate	69	6.903	6.903	0.000	78	22331	2.00	1.74	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	79	16161	2.00	2.03	
81 Tetrachloroethene	166	7.086	7.080	0.006	69	21636	2.00	1.93	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	88	31865	2.00	1.94	
80 2-Hexanone	43	7.274	7.275	-0.001	96	112889	10.0	10.5	
83 Chlorodibromomethane	129	7.427	7.427	0.000	65	18302	2.00	1.95	
84 Ethylene Dibromide	107	7.524	7.518	0.006	83	18915	2.00	1.90	
87 Chlorobenzene	112	7.992	7.992	0.000	90	58062	2.00	1.98	
88 Ethylbenzene	91	8.090	8.090	0.000	98	95877	2.00	1.98	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	31	20593	2.00	1.94	
90 m-Xylene & p-Xylene	106	8.217	8.211	0.006	98	38959	2.00	1.98	
91 o-Xylene	106	8.631	8.631	0.000	91	39182	2.00	2.02	
92 Styrene	104	8.668	8.668	0.000	89	62233	2.00	1.95	
95 Bromoform	173	8.911	8.911	0.000	72	11836	2.00	1.82	
94 Isopropylbenzene	105	9.020	9.021	-0.001	93	101642	2.00	1.97	
101 Bromobenzene	156	9.367	9.367	0.000	91	25071	2.00	1.90	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	57	27694	2.00	1.96	
99 N-Propylbenzene	91	9.465	9.465	0.000	97	111861	2.00	1.94	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	49	9985	2.00	2.04	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.495	0.006	56	7569	2.00	2.08	
103 2-Chlorotoluene	126	9.568	9.562	0.006	93	24070	2.00	1.91	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	90	85238	2.00	1.94	
105 4-Chlorotoluene	126	9.684	9.684	0.000	77	26029	2.00	2.09	
106 tert-Butylbenzene	134	9.976	9.976	0.000	87	18348	2.00	1.89	
107 1,2,4-Trimethylbenzene	105	10.030	10.037	-0.007	40	88941	2.00	1.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	84	101465	2.00	1.87	
111 1,3-Dichlorobenzene	146	10.328	10.329	-0.001	92	53328	2.00	2.06	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	95	92102	2.00	1.90	
113 1,4-Dichlorobenzene	146	10.414	10.420	-0.006	74	55351	2.00	2.08	
115 n-Butylbenzene	91	10.736	10.736	0.000	91	77322	2.00	1.92	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	87	53571	2.00	2.02	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	33	6106	2.00	2.12	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	87	39690	2.00	1.98	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	72	15764	2.00	1.85	
121 Naphthalene	128	12.409	12.409	0.000	96	118471	2.00	1.97	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	91	39629	2.00	2.00	
S 123 Total BTEX	1				0			9.88	
S 126 1,3-Dichloropropene, Total	1				0			3.83	
S 125 1,2-Dichloroethene, Total	1				0			4.46	
S 124 Xylenes, Total	1				0			4.00	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00472	Amount Added:	2.00	Units: uL	
8260 CORP mix_00214	Amount Added:	2.00	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

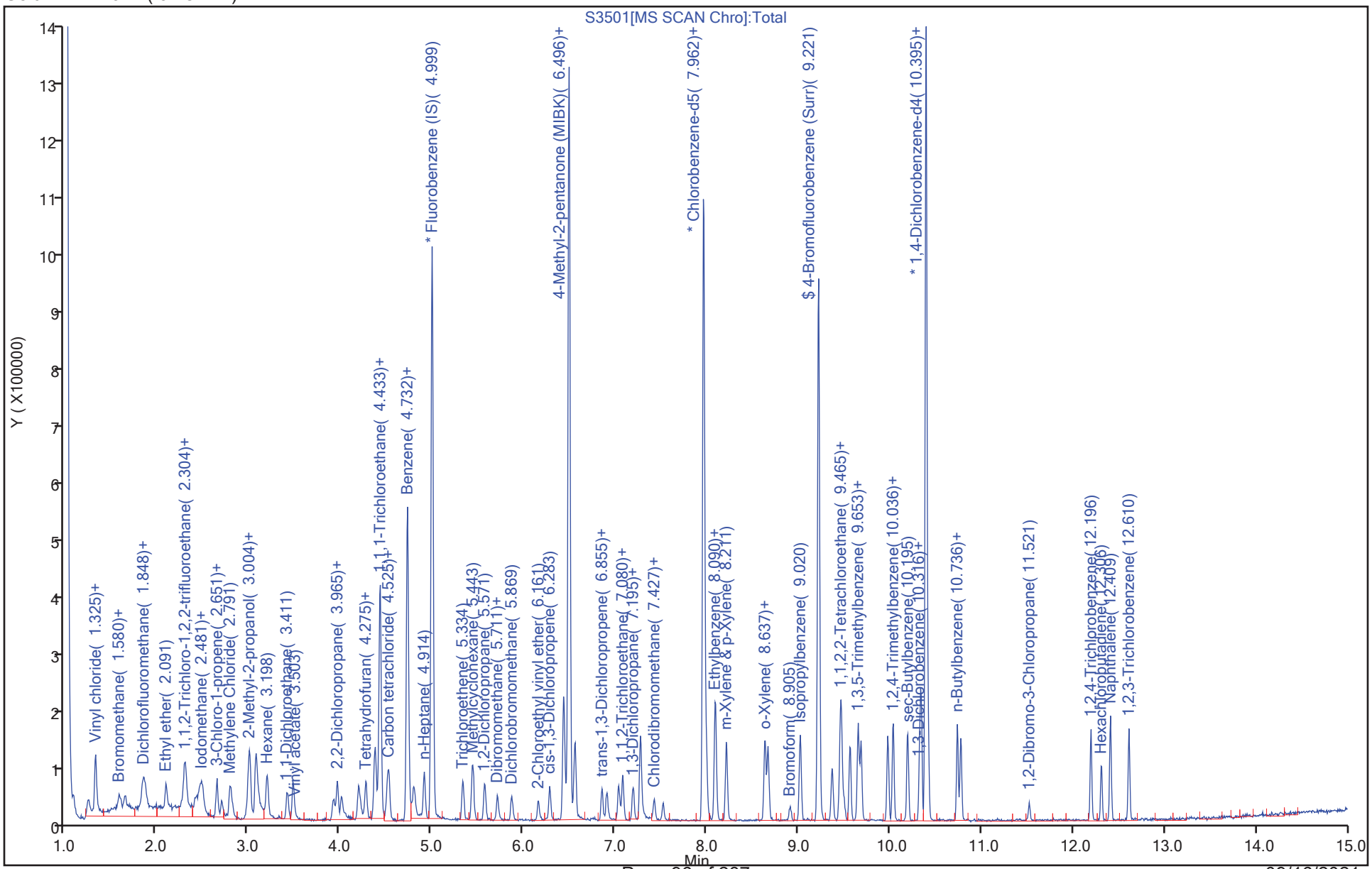
Report Date: 15-Sep-2021 10:50:16 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D

Injection Date:	14-Sep-2021 18:24:30	Instrument ID:	HP5973S	Operator ID:	wd
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

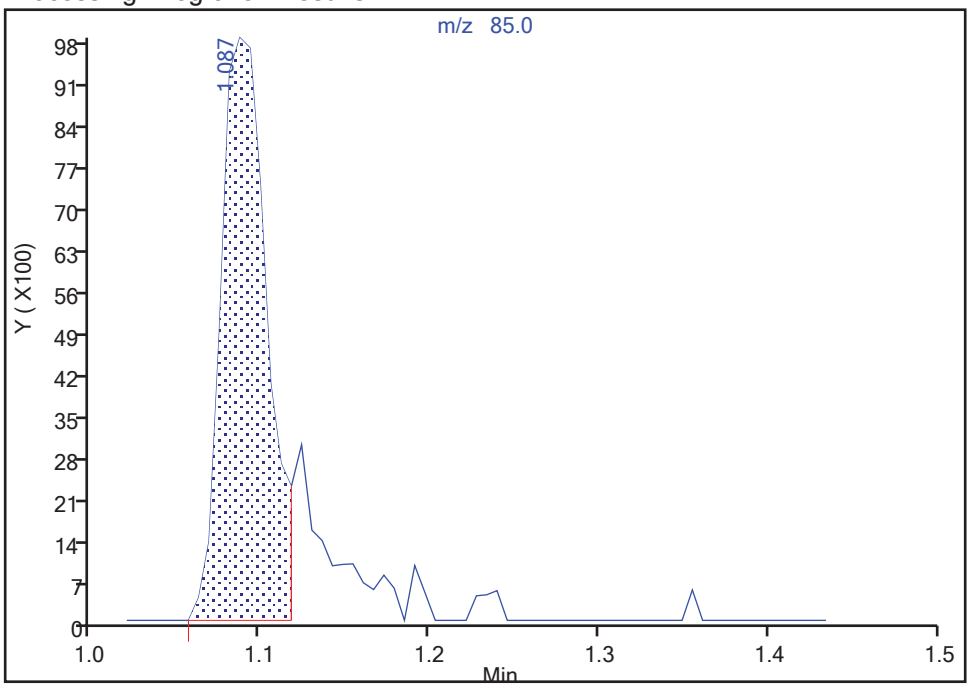
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Injection Date: 14-Sep-2021 18:24:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

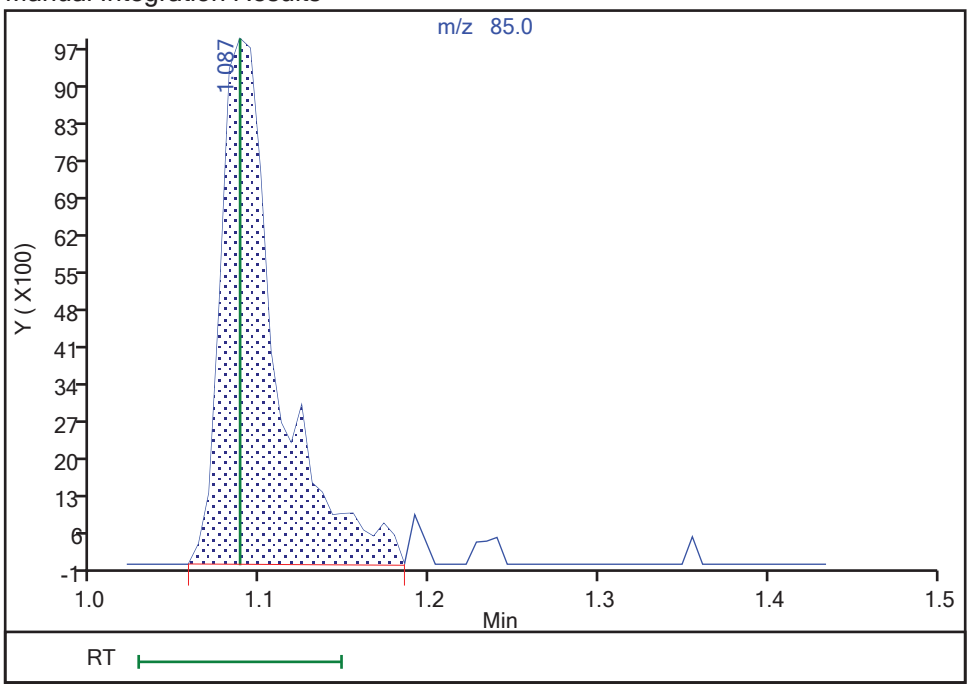
Processing Integration Results

RT: 1.09
Area: 18796
Amount: 1.816885
Amount Units: ug/L



Manual Integration Results

RT: 1.09
Area: 22907
Amount: 2.122750
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:08:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

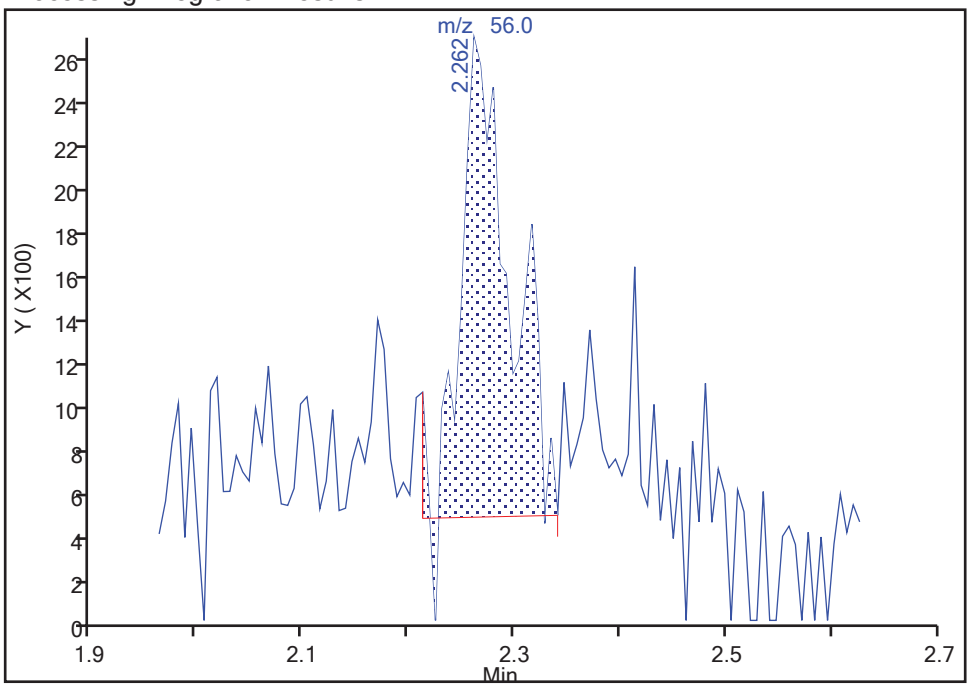
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Injection Date: 14-Sep-2021 18:24:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

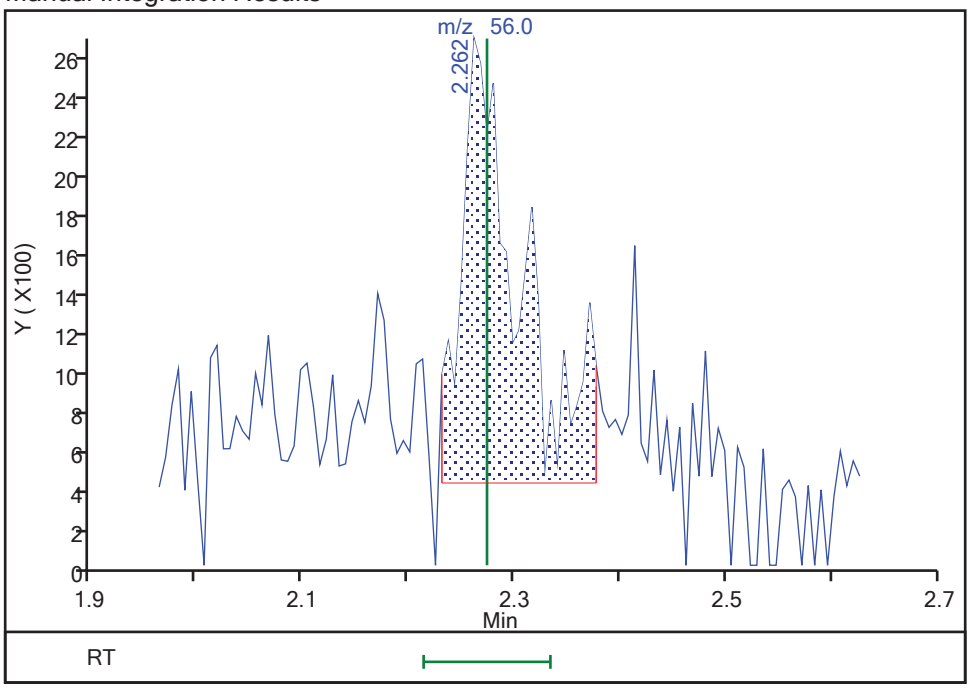
Processing Integration Results

RT: 2.26
Area: 7174
Amount: 8.871341
Amount Units: ug/L



Manual Integration Results

RT: 2.26
Area: 8758
Amount: 11.113199
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:09:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

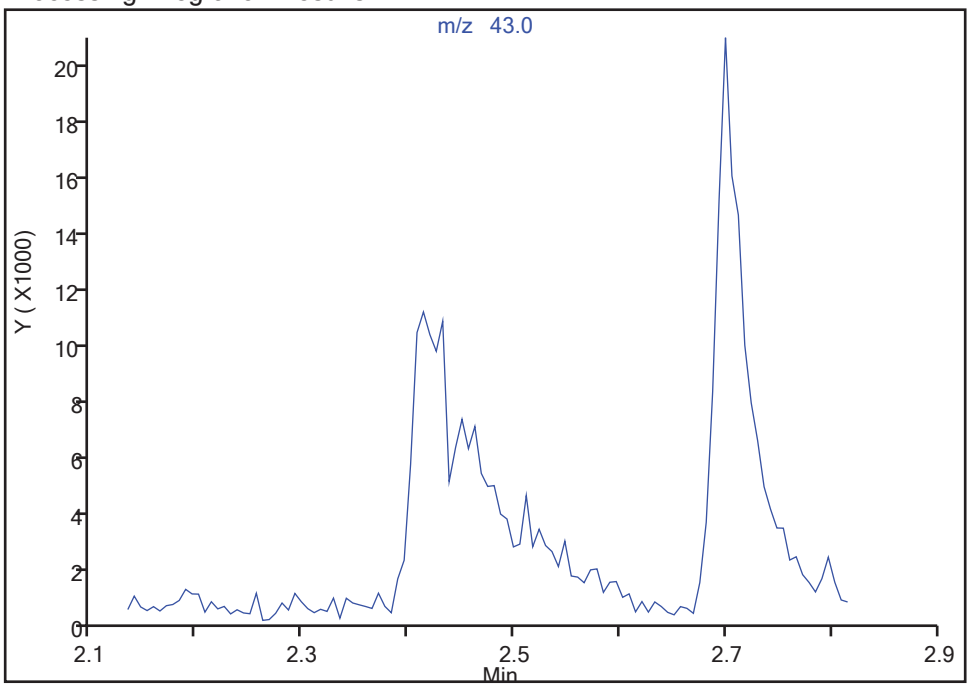
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Injection Date: 14-Sep-2021 18:24:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

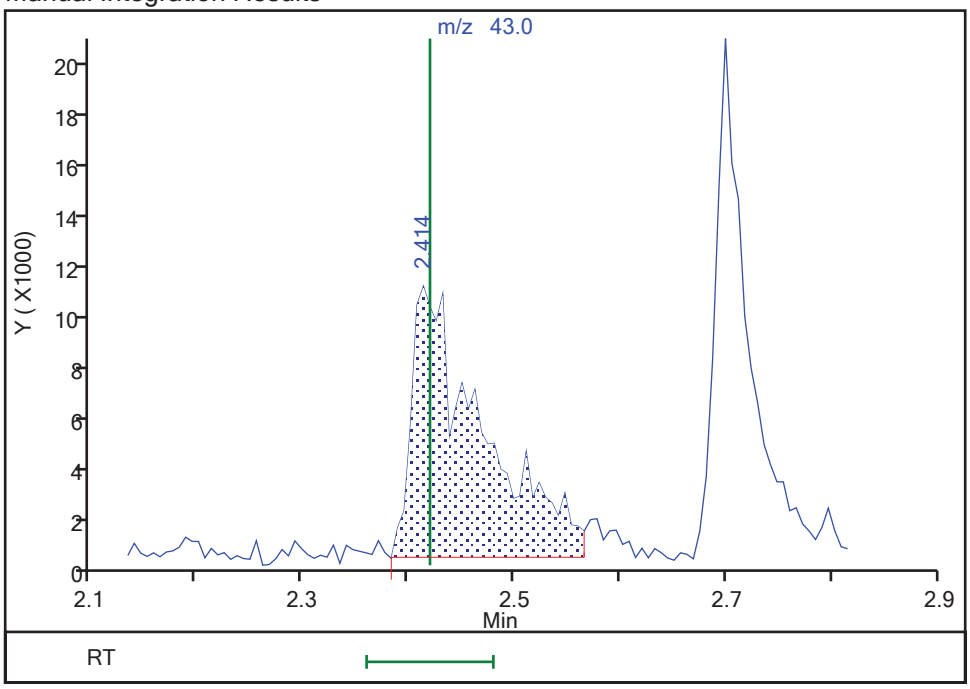
Not Detected
Expected RT: 2.42

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 47804
Amount: 10.243412
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:09:37
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

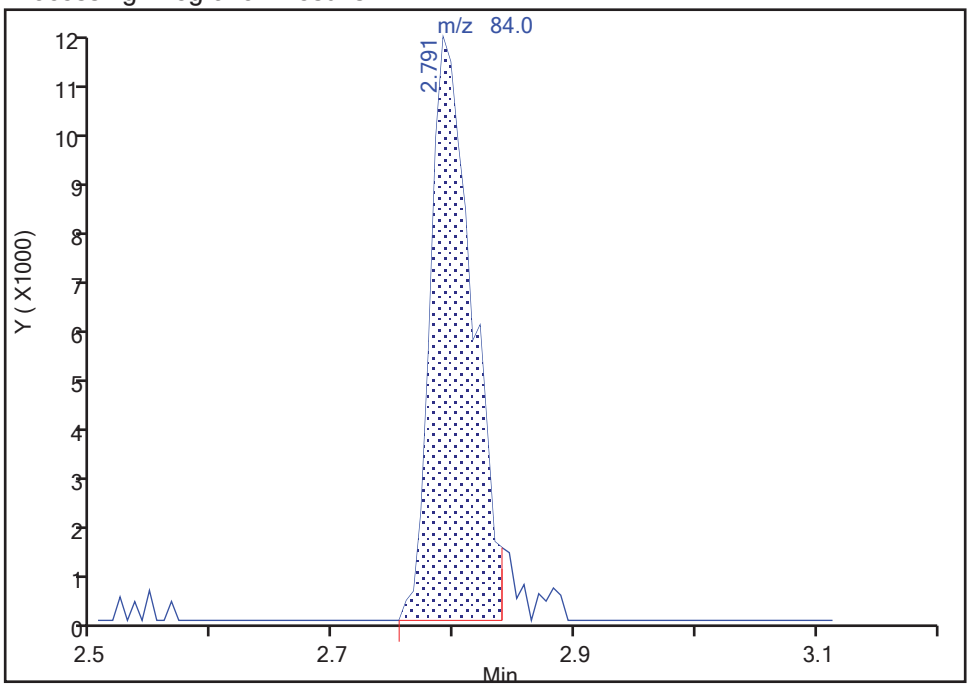
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Injection Date: 14-Sep-2021 18:24:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

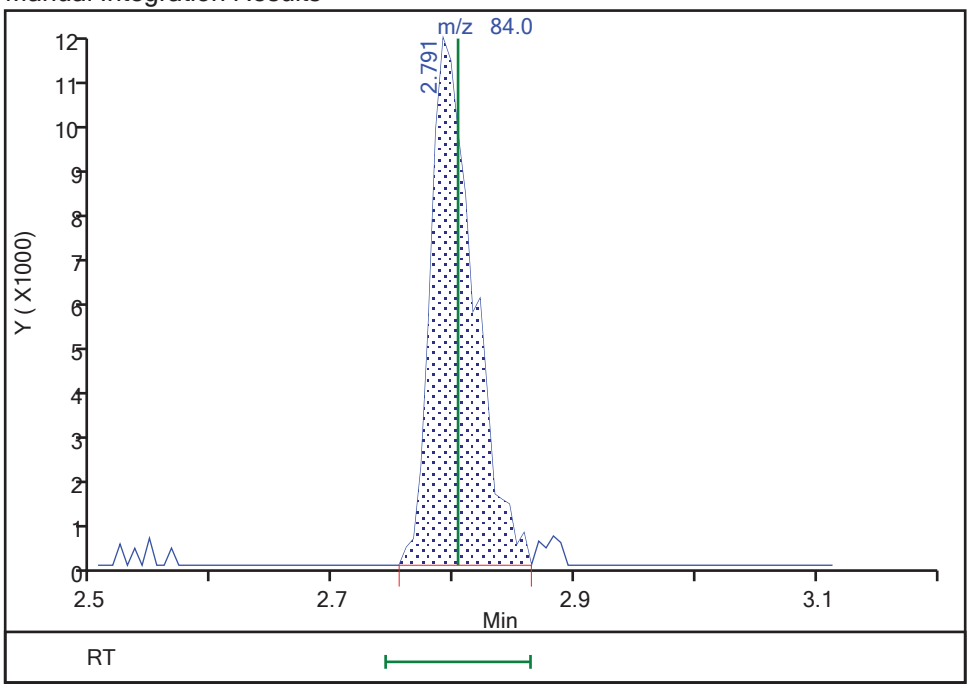
Processing Integration Results

RT: 2.79
Area: 28612
Amount: 2.064197
Amount Units: ug/L



Manual Integration Results

RT: 2.79
Area: 29543
Amount: 2.141535
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:14:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

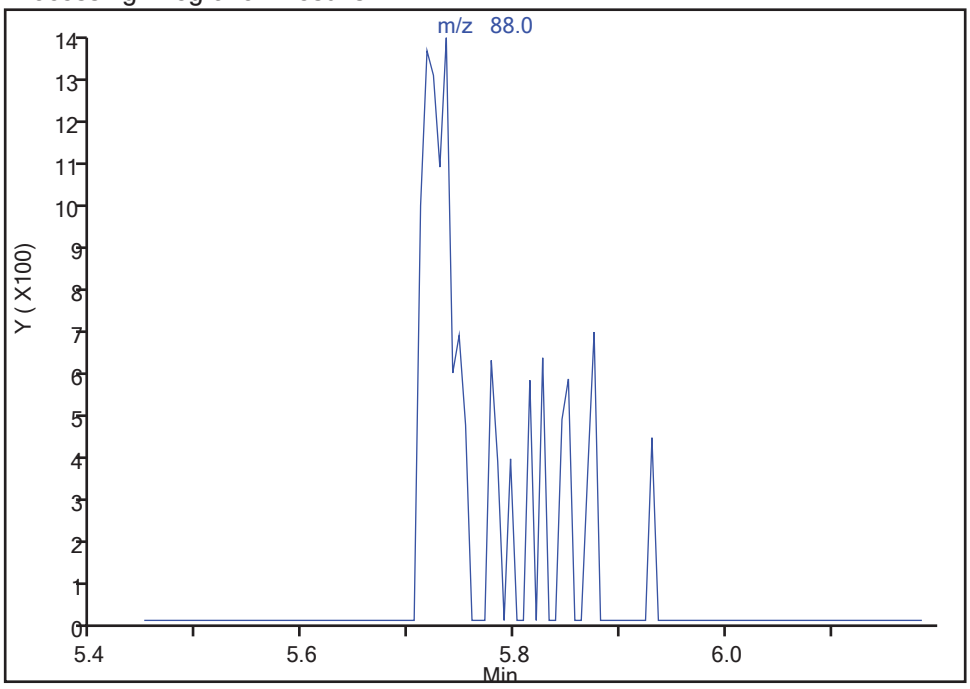
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Injection Date: 14-Sep-2021 18:24:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

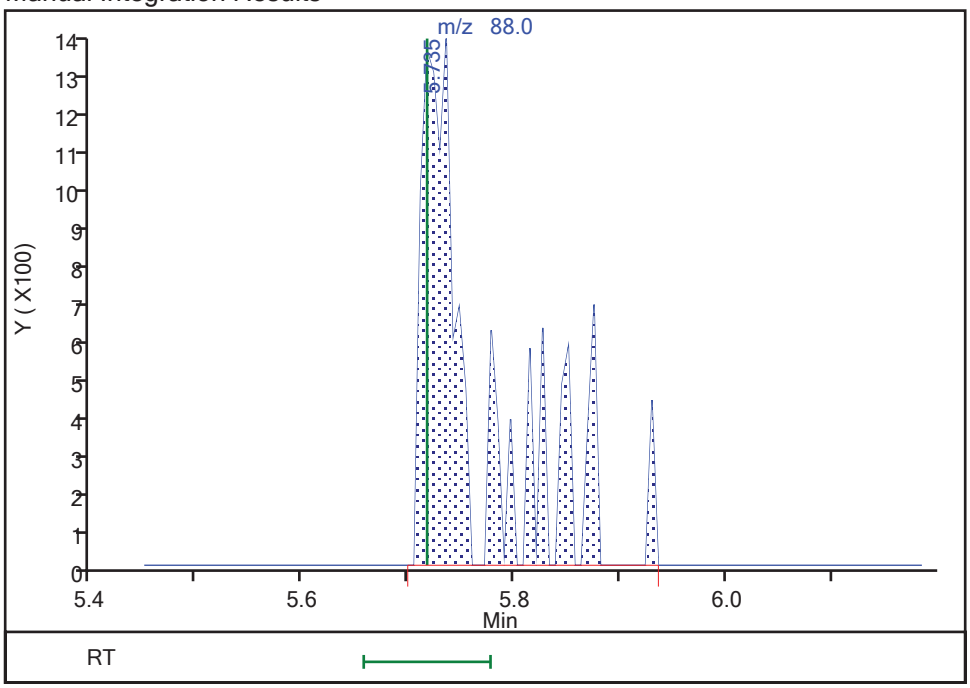
Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results

RT: 5.74
Area: 4694
Amount: 40.377181
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:14:58
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Sep-2021 18:47:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0100971-007
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:19 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:18:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	159574	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	84	323303	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	86	335010	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.434	0.000	58	216806	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	91	140348	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	91	845933	25.0	25.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	92	273319	25.0	25.0	
10 Dichlorodifluoromethane	85	1.088	1.088	0.000	85	61075	5.00	5.38	M
12 Chloromethane	50	1.246	1.246	0.000	87	75944	5.00	5.06	
13 Vinyl chloride	62	1.319	1.319	0.000	60	67882	5.00	4.98	
151 Butadiene	54	1.325	1.325	0.000	64	81793	5.00	5.08	
14 Bromomethane	94	1.586	1.586	0.000	83	44334	5.00	4.85	
15 Chloroethane	64	1.647	1.647	0.000	91	46000	5.00	4.85	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	80	93735	5.00	4.77	
17 Trichlorofluoromethane	101	1.860	1.860	0.000	81	83467	5.00	4.99	
18 Ethyl ether	59	2.097	2.091	0.006	93	55307	5.00	4.82	
20 Acrolein	56	2.274	2.274	0.000	90	20236	25.0	24.4	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	64	54105	5.00	5.97	
22 1,1-Dichloroethene	96	2.310	2.304	0.006	87	51146	5.00	5.27	
23 Acetone	43	2.414	2.420	-0.006	89	116343	25.0	23.7	M
25 Iodomethane	142	2.463	2.462	0.000	96	91594	5.00	5.28	
26 Carbon disulfide	76	2.493	2.499	-0.006	98	171481	5.00	5.50	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	86	101271	5.00	5.29	
27 Methyl acetate	43	2.706	2.700	0.006	97	112574	10.0	8.70	
30 Methylene Chloride	84	2.803	2.803	0.000	91	66332	5.00	5.34	
31 2-Methyl-2-propanol	59	2.974	2.973	0.001	62	73796	50.0	48.3	M
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	91	176644	5.00	5.05	
34 trans-1,2-Dichloroethene	96	3.016	3.010	0.006	94	55589	5.00	5.08	
33 Acrylonitrile	53	3.077	3.077	0.000	98	331274	50.0	49.5	
35 Hexane	57	3.199	3.199	0.000	88	94442	5.00	5.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.424	3.418	0.006	86	102938	5.00	5.13	
37 Vinyl acetate	43	3.485	3.478	0.007	97	244886	10.0	9.24	
44 2,2-Dichloropropane	77	3.929	3.923	0.006	85	60256	5.00	5.91	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	66	60797	5.00	5.14	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	97	180021	25.0	24.0	
48 Chlorobromomethane	128	4.196	4.196	0.000	89	32220	5.00	5.08	
49 Tetrahydrofuran	42	4.215	4.208	0.007	90	49625	10.0	8.92	M
50 Chloroform	83	4.281	4.275	0.006	92	97556	5.00	4.91	
51 1,1,1-Trichloroethane	97	4.379	4.373	0.006	80	84460	5.00	5.38	
52 Cyclohexane	56	4.379	4.379	0.000	91	119961	5.00	5.86	
55 Carbon tetrachloride	117	4.513	4.507	0.006	92	73087	5.00	5.30	
54 1,1-Dichloropropene	75	4.531	4.525	0.006	85	73249	5.00	5.31	
57 Benzene	78	4.732	4.726	0.006	79	213146	5.00	5.00	
53 Isobutyl alcohol	43	4.780	4.780	0.000	51	54977	125.0	105.1	
58 1,2-Dichloroethane	62	4.805	4.805	0.000	71	78394	5.00	4.84	
59 n-Heptane	43	4.914	4.914	0.000	94	98851	5.00	5.25	
62 Trichloroethene	95	5.334	5.334	0.000	88	54713	5.00	5.36	
64 Methylcyclohexane	83	5.443	5.443	0.000	90	107217	5.00	5.76	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	86	52674	5.00	4.86	
67 Dibromomethane	93	5.711	5.711	0.000	87	32867	5.00	4.87	
66 1,4-Dioxane	88	5.729	5.717	0.012	25	14044	100.0	104.7	
68 Dichlorobromomethane	83	5.869	5.869	0.000	90	62517	5.00	5.02	
69 2-Chloroethyl vinyl ether	63	6.161	6.155	0.006	90	36937	5.00	4.92	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	83	75240	5.00	4.68	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	98	392677	25.0	24.0	
74 Toluene	92	6.563	6.557	0.006	82	138237	5.00	5.28	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	89	73613	5.00	4.88	
75 Ethyl methacrylate	69	6.910	6.903	0.007	81	63017	5.00	4.84	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	83	38644	5.00	4.78	
81 Tetrachloroethene	166	7.080	7.080	0.000	89	60463	5.00	5.32	
82 1,3-Dichloropropane	76	7.196	7.195	0.001	92	82212	5.00	4.94	
80 2-Hexanone	43	7.275	7.275	0.000	96	258350	25.0	23.6	
83 Chlorodibromomethane	129	7.421	7.427	-0.006	84	47572	5.00	5.00	
84 Ethylene Dibromide	107	7.524	7.518	0.006	92	49831	5.00	4.93	
87 Chlorobenzene	112	7.992	7.992	0.000	93	154154	5.00	5.16	
88 Ethylbenzene	91	8.090	8.090	0.000	98	250846	5.00	5.10	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	39	55697	5.00	5.16	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	102482	5.00	5.14	
91 o-Xylene	106	8.637	8.631	0.006	97	100124	5.00	5.08	
92 Styrene	104	8.668	8.668	0.000	92	154277	5.00	4.76	
95 Bromoform	173	8.911	8.911	0.000	91	31021	5.00	4.69	
94 Isopropylbenzene	105	9.021	9.021	0.000	95	272822	5.00	5.36	
101 Bromobenzene	156	9.373	9.367	0.006	88	64917	5.00	5.00	
97 1,1,2,2-Tetrachloroethane	83	9.453	9.452	0.001	60	68506	5.00	4.91	
99 N-Propylbenzene	91	9.465	9.465	0.000	97	294731	5.00	5.17	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	66	24585	5.00	5.09	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	65	19214	5.00	4.50	
103 2-Chlorotoluene	126	9.568	9.562	0.006	95	61531	5.00	4.96	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	96	225805	5.00	5.22	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	63727	5.00	5.19	
106 tert-Butylbenzene	134	9.976	9.976	0.000	91	51562	5.00	5.37	
107 1,2,4-Trimethylbenzene	105	10.037	10.037	0.000	47	229672	5.00	5.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	93	283887	5.00	5.30	
111 1,3-Dichlorobenzene	146	10.322	10.329	-0.007	97	130984	5.00	5.12	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	96	254825	5.00	5.33	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	94	129990	5.00	4.96	
115 n-Butylbenzene	91	10.736	10.736	0.000	96	212492	5.00	5.35	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	92	131768	5.00	5.04	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	56	15020	5.00	5.28	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	92	102033	5.00	5.16	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	89	45768	5.00	5.45	
121 Naphthalene	128	12.409	12.409	0.000	97	295880	5.00	4.99	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	94	101978	5.00	5.22	
S 123 Total BTEX	1				0			25.6	
S 126 1,3-Dichloropropene, Total	1				0			9.56	
S 125 1,2-Dichloroethene, Total	1				0			10.2	
S 124 Xylenes, Total	1				0			10.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00472	Amount Added:	5.00	Units: uL	
8260 CORP mix_00214	Amount Added:	5.00	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:50:20 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D

Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S Operator ID: wd

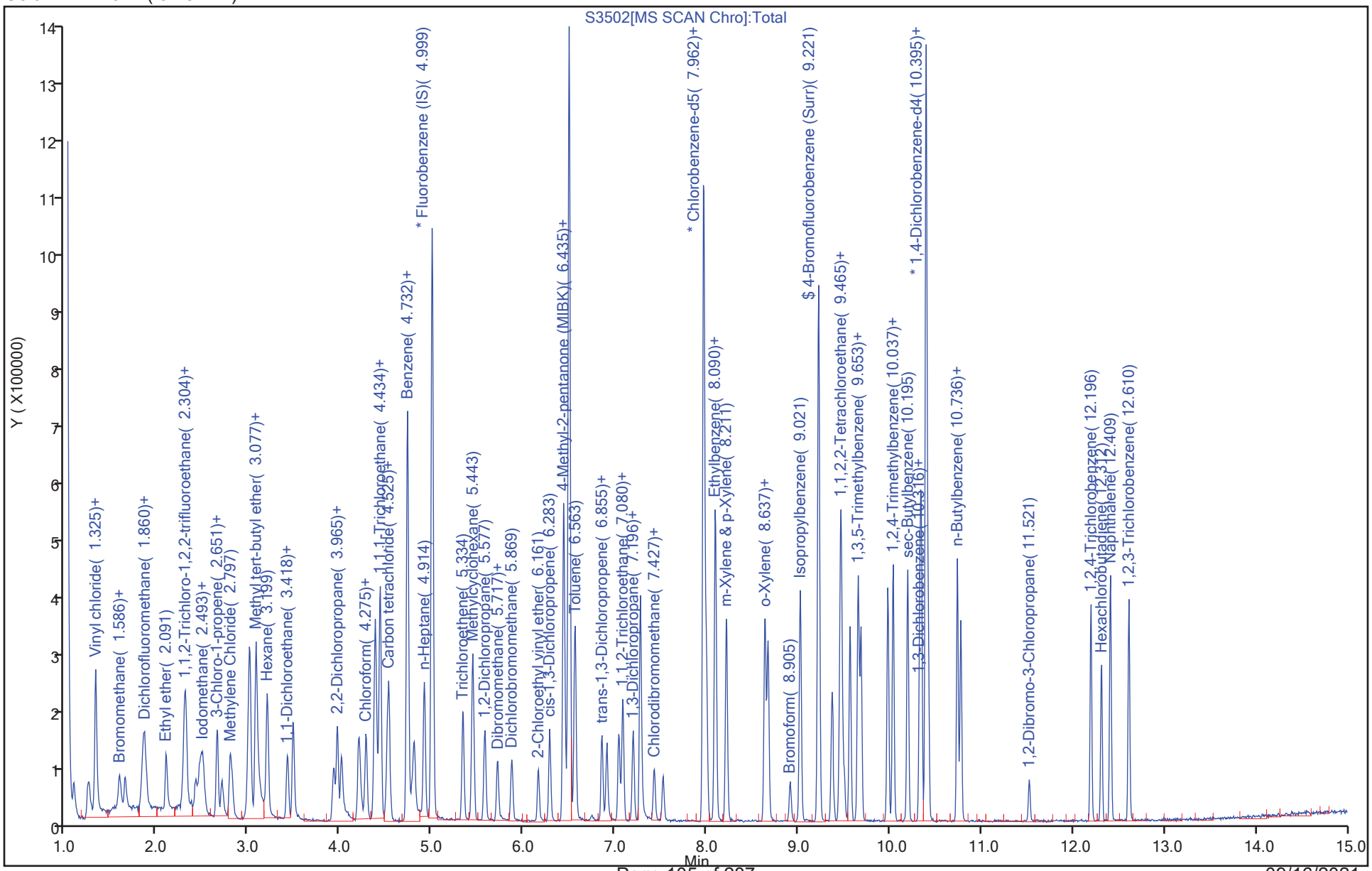
Lims ID: IC 3 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

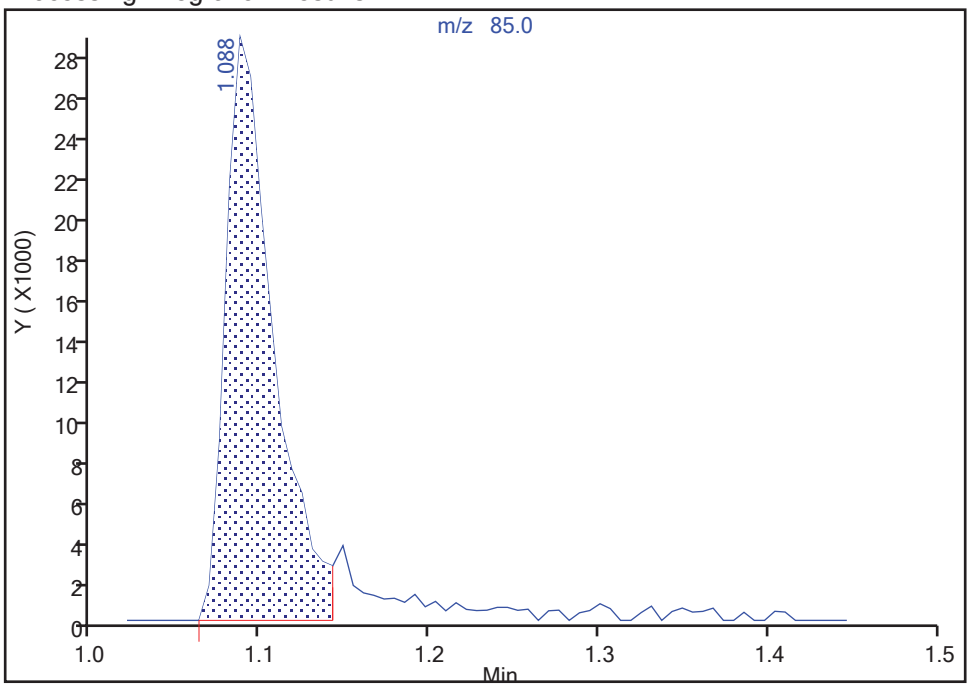
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

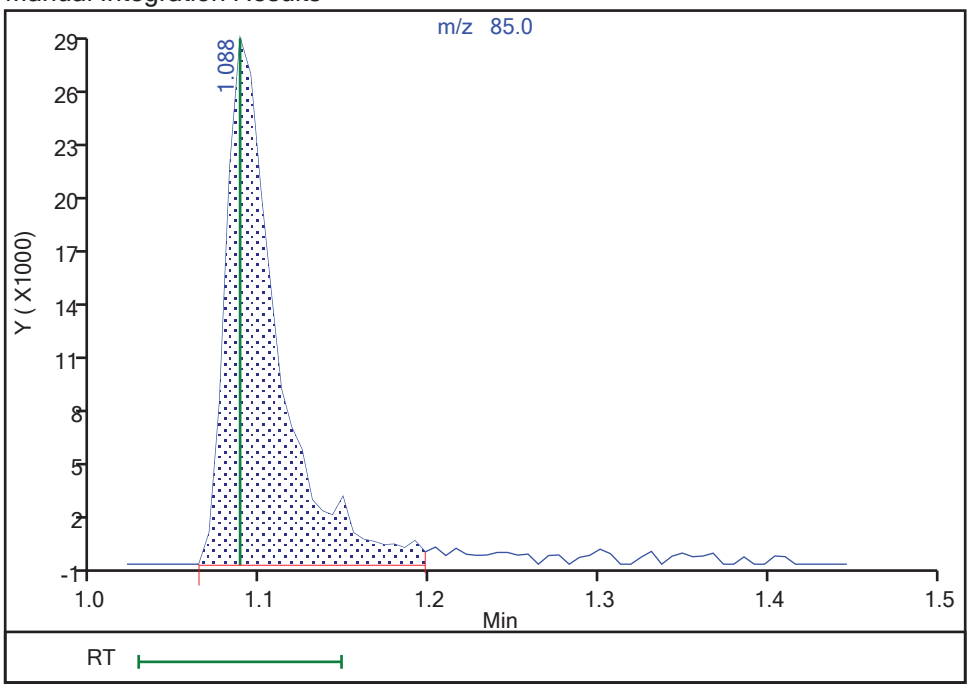
Processing Integration Results

RT: 1.09
Area: 55931
Amount: 5.012962
Amount Units: ug/L



Manual Integration Results

RT: 1.09
Area: 61075
Amount: 5.378096
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:15:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

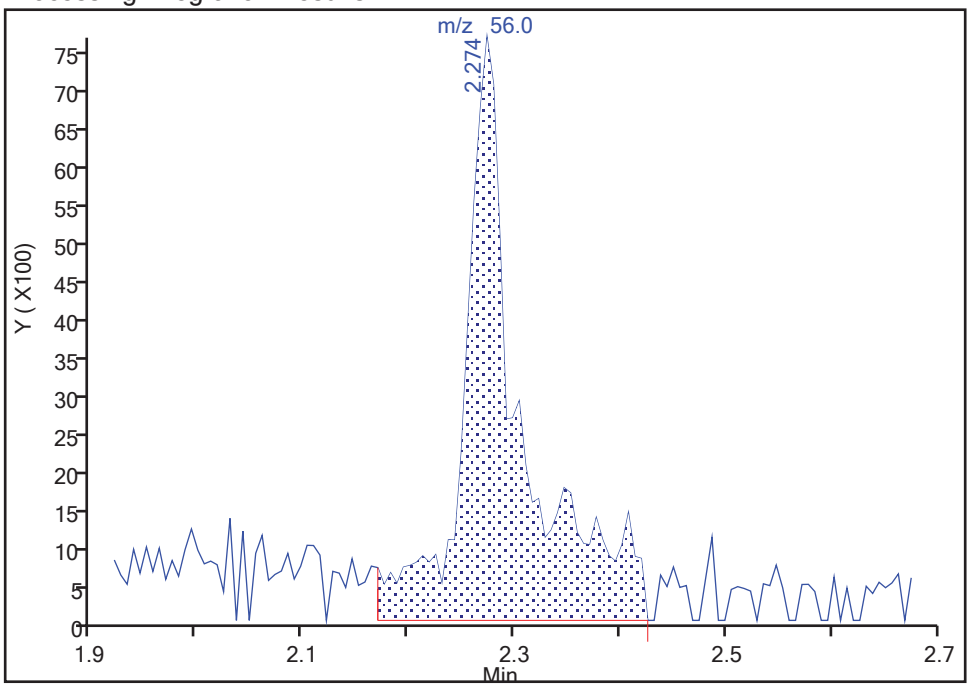
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

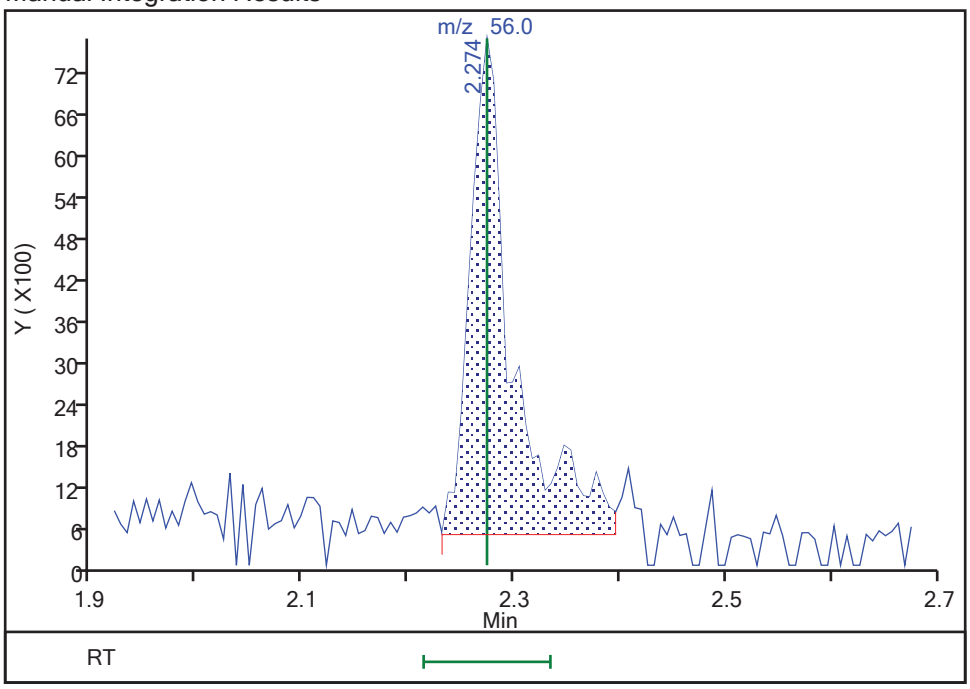
Processing Integration Results

RT: 2.27
Area: 28739
Amount: 32.963139
Amount Units: ug/L



Manual Integration Results

RT: 2.27
Area: 20236
Amount: 24.400195
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:16:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

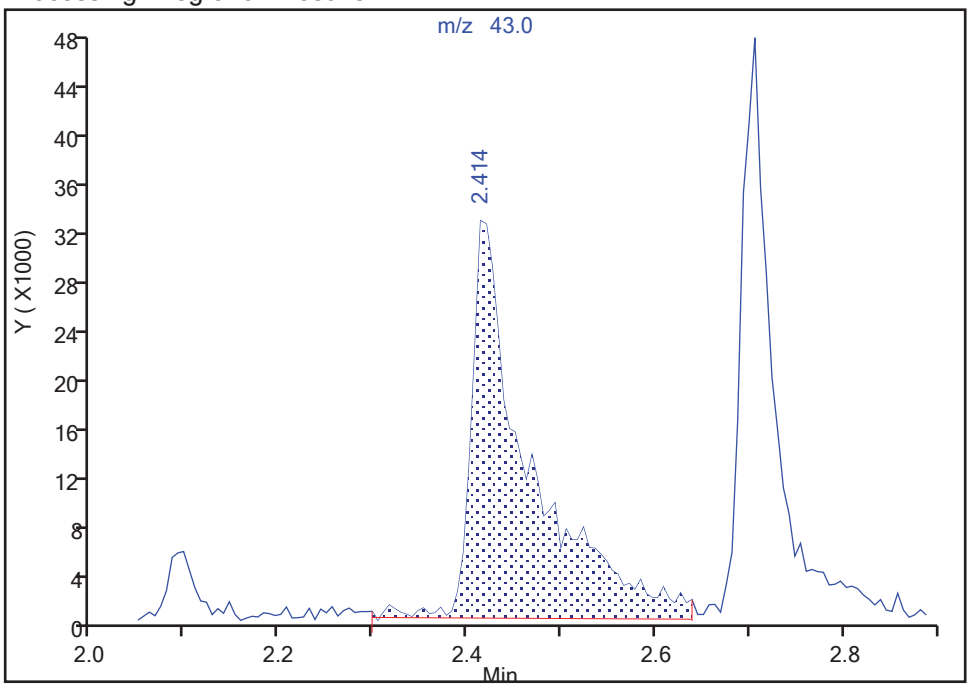
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

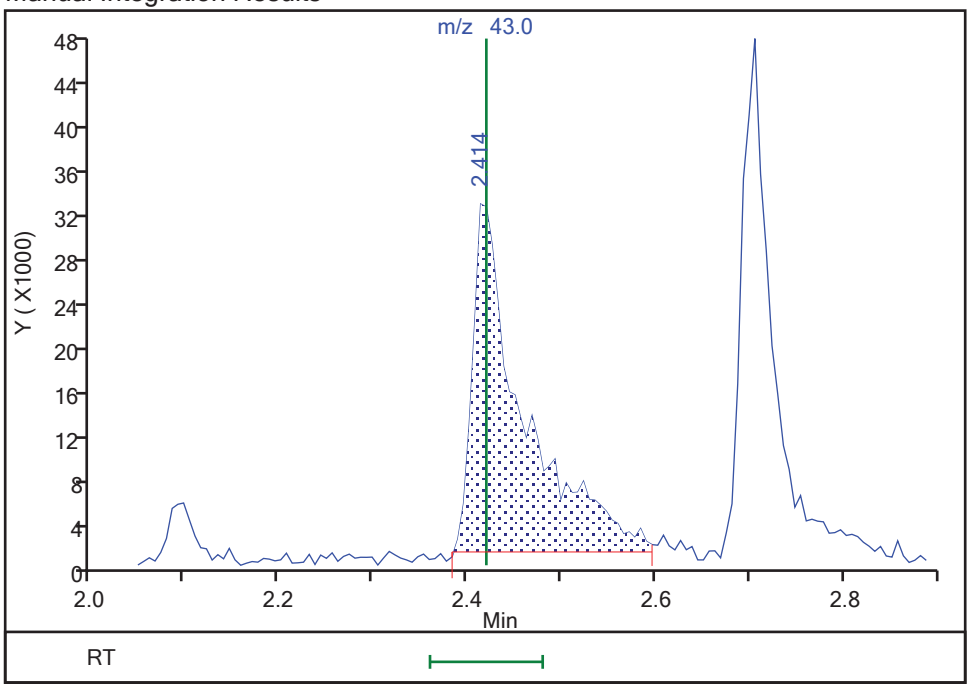
Processing Integration Results

RT: 2.41
Area: 136536
Amount: 27.241076
Amount Units: ug/L



Manual Integration Results

RT: 2.41
Area: 116343
Amount: 23.689458
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:17:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

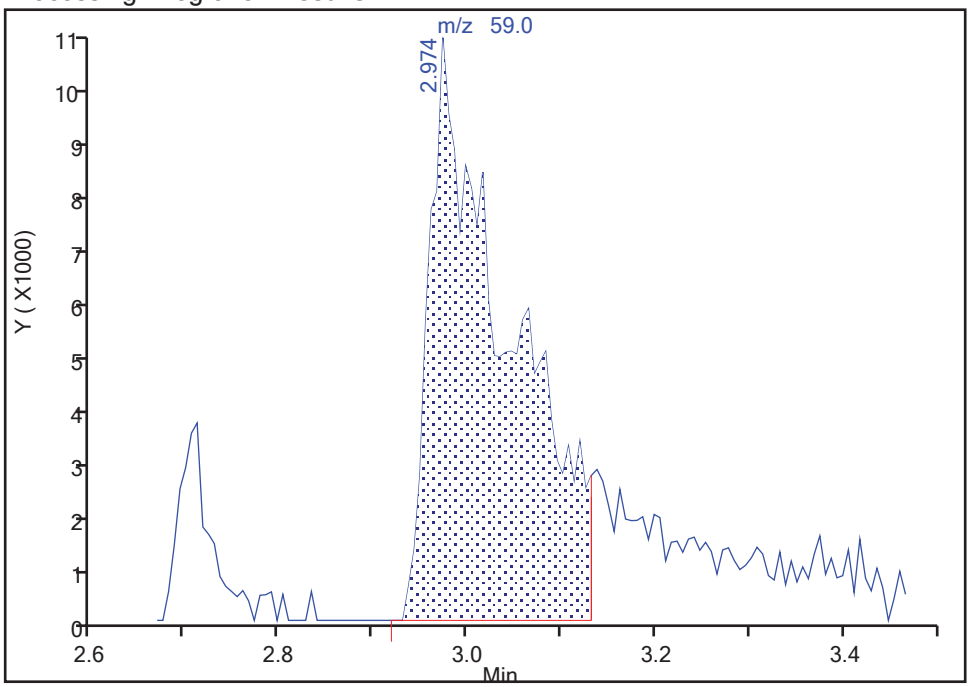
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

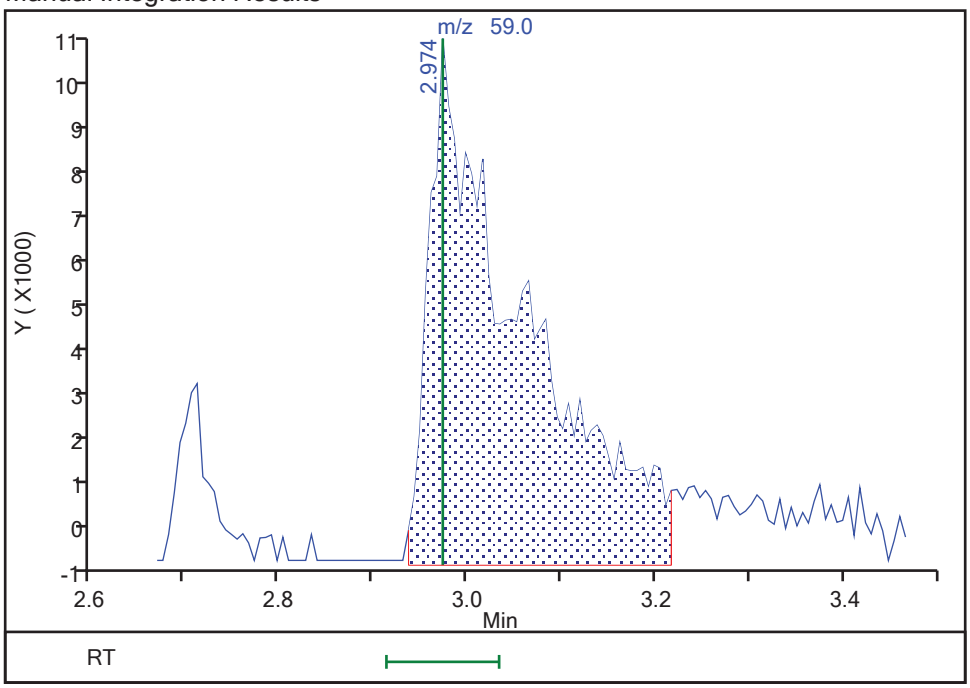
Processing Integration Results

RT: 2.97
Area: 62383
Amount: 42.256518
Amount Units: ug/L



Manual Integration Results

RT: 2.97
Area: 73796
Amount: 48.268575
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:17:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

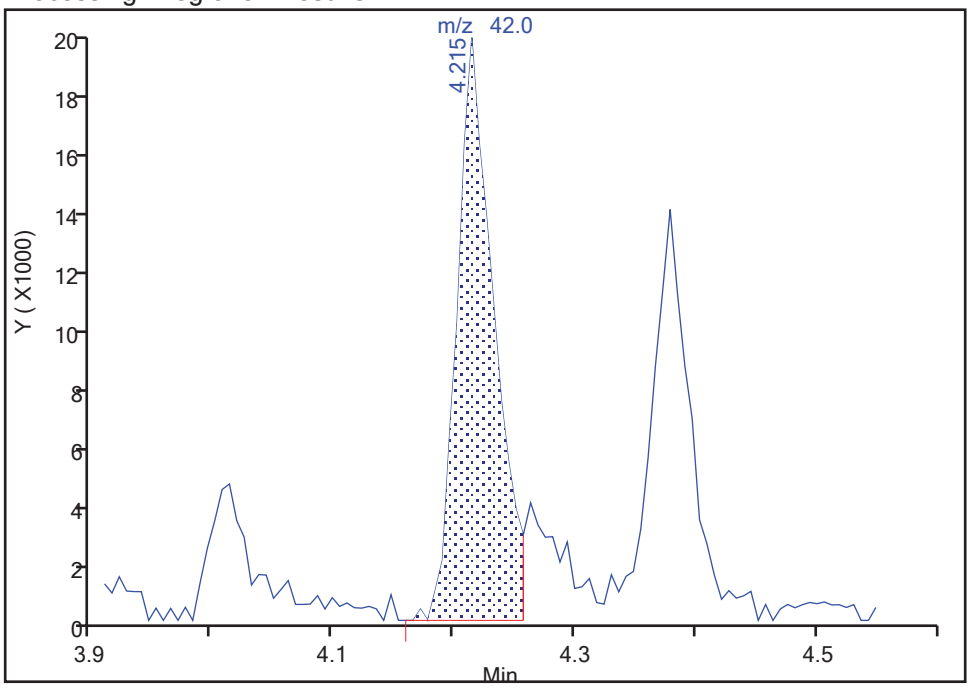
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

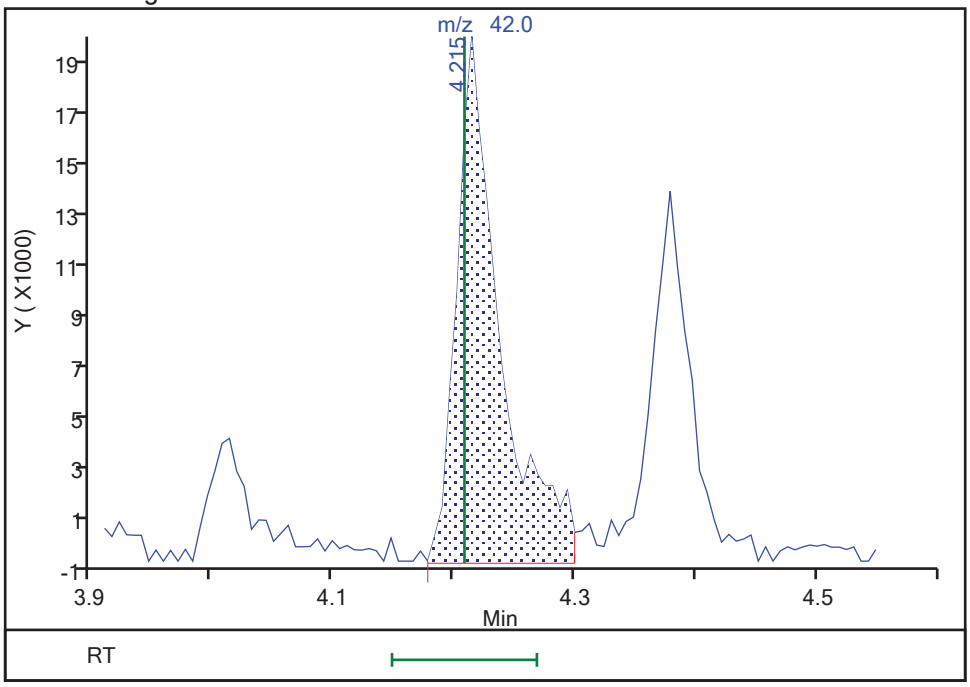
Processing Integration Results

RT: 4.21
Area: 42363
Amount: 7.739043
Amount Units: ug/L



Manual Integration Results

RT: 4.21
Area: 49625
Amount: 8.917809
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:17:56
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Sep-2021 19:10:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0100971-008
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:23 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:19:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	168309	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	86	338411	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	71	342681	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	57	217599	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	77	145339	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	90	864773	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	92	276856	25.0	24.2	
10 Dichlorodifluoromethane	85	1.088	1.088	0.000	86	112735	10.0	9.41	M
12 Chloromethane	50	1.246	1.246	0.000	99	153664	10.0	9.71	M
13 Vinyl chloride	62	1.319	1.319	0.000	68	132013	10.0	9.19	
151 Butadiene	54	1.325	1.325	0.000	63	151114	10.0	8.90	
14 Bromomethane	94	1.586	1.586	0.000	91	84172	10.0	8.72	
15 Chloroethane	64	1.647	1.647	0.000	99	91389	10.0	9.14	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	81	191261	10.0	9.23	
17 Trichlorofluoromethane	101	1.860	1.860	0.000	88	159558	10.0	9.05	
18 Ethyl ether	59	2.097	2.091	0.006	94	110730	10.0	9.16	
20 Acrolein	56	2.274	2.274	0.000	89	41054	50.0	46.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	69	94386	10.0	9.88	
22 1,1-Dichloroethene	96	2.304	2.304	0.000	88	93599	10.0	9.14	
23 Acetone	43	2.420	2.420	0.000	99	259862	50.0	50.2	
25 Iodomethane	142	2.468	2.462	0.006	95	167155	10.0	9.13	
26 Carbon disulfide	76	2.499	2.499	0.000	97	317061	10.0	9.64	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	88	192183	10.0	9.52	
27 Methyl acetate	43	2.706	2.700	0.006	95	251249	20.0	18.4	
30 Methylene Chloride	84	2.797	2.803	-0.006	92	119057	10.0	9.56	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	59	155057	100.0	96.2	M
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	93	336989	10.0	9.13	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	88	106384	10.0	9.22	
33 Acrylonitrile	53	3.077	3.077	0.000	97	660172	100.0	93.5	
35 Hexane	57	3.199	3.199	-0.001	89	166527	10.0	9.52	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.424	3.418	0.006	96	196542	10.0	9.29	
37 Vinyl acetate	43	3.484	3.478	0.006	97	495828	20.0	17.7	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	89	103867	10.0	9.66	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	62	114044	10.0	9.14	
43 2-Butanone (MEK)	43	4.014	4.008	0.006	97	365460	50.0	46.2	
48 Chlorobromomethane	128	4.196	4.196	0.000	90	58863	10.0	8.80	
49 Tetrahydrofuran	42	4.208	4.208	0.000	86	98222	20.0	16.7	
50 Chloroform	83	4.275	4.275	0.000	81	185810	10.0	8.86	
51 1,1,1-Trichloroethane	97	4.379	4.373	0.006	75	160626	10.0	9.70	
52 Cyclohexane	56	4.379	4.379	0.000	91	217454	10.0	10.1	
55 Carbon tetrachloride	117	4.513	4.507	0.006	90	139237	10.0	9.58	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	89	139492	10.0	9.60	
57 Benzene	78	4.725	4.726	-0.001	94	423374	10.0	9.41	
53 Isobutyl alcohol	43	4.780	4.780	0.000	61	116779	250.0	211.6	M
58 1,2-Dichloroethane	62	4.805	4.805	0.000	72	159197	10.0	9.33	
59 n-Heptane	43	4.914	4.914	0.000	93	176210	10.0	8.87	
62 Trichloroethene	95	5.334	5.334	0.000	90	101938	10.0	9.47	
64 Methylcyclohexane	83	5.443	5.443	0.000	92	191278	10.0	9.73	
65 1,2-Dichloropropane	63	5.571	5.577	-0.006	89	105837	10.0	9.26	
67 Dibromomethane	93	5.717	5.711	0.006	88	64293	10.0	9.04	
66 1,4-Dioxane	88	5.735	5.717	0.018	85	31810	200.0	218.1	M
68 Dichlorobromomethane	83	5.869	5.869	0.000	90	120829	10.0	9.20	
69 2-Chloroethyl vinyl ether	63	6.161	6.155	0.006	92	70844	10.0	8.95	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	85	158866	10.0	9.37	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	784182	50.0	45.8	
74 Toluene	92	6.557	6.557	0.000	90	267037	10.0	9.75	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	96	149057	10.0	9.44	
75 Ethyl methacrylate	69	6.909	6.903	0.006	71	135917	10.0	9.98	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	88	78779	10.0	9.30	
81 Tetrachloroethene	166	7.080	7.080	0.000	91	116023	10.0	9.75	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	95	164116	10.0	9.42	
80 2-Hexanone	43	7.275	7.275	-0.001	97	536216	50.0	46.7	
83 Chlorodibromomethane	129	7.427	7.427	0.000	86	93867	10.0	9.43	
84 Ethylene Dibromide	107	7.524	7.518	0.006	98	100612	10.0	9.51	
87 Chlorobenzene	112	7.992	7.992	0.000	93	296656	10.0	9.50	
88 Ethylbenzene	91	8.090	8.090	0.000	98	490331	10.0	9.53	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	109987	10.0	9.73	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	204486	10.0	9.80	
91 o-Xylene	106	8.631	8.631	0.000	96	199776	10.0	9.68	
92 Styrene	104	8.668	8.668	0.000	93	310407	10.0	9.15	
95 Bromoform	173	8.911	8.911	0.000	95	63568	10.0	9.18	
94 Isopropylbenzene	105	9.020	9.021	-0.001	95	528724	10.0	10.2	
101 Bromobenzene	156	9.367	9.367	0.000	92	132103	10.0	9.94	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	67	132179	10.0	9.26	
99 N-Propylbenzene	91	9.465	9.465	0.000	99	570699	10.0	9.79	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	64	46524	10.0	9.41	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.495	0.006	92	39753	10.0	8.56	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	124285	10.0	9.79	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	94	448537	10.0	10.1	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	118673	10.0	9.45	
106 tert-Butylbenzene	134	9.976	9.976	0.000	91	96885	10.0	9.87	
107 1,2,4-Trimethylbenzene	105	10.036	10.037	-0.001	56	455942	10.0	9.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	94	547646	10.0	10.0	
111 1,3-Dichlorobenzene	146	10.328	10.329	-0.001	98	248081	10.0	9.47	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	483411	10.0	9.88	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	95	248378	10.0	9.27	
115 n-Butylbenzene	91	10.736	10.736	0.000	94	406187	10.0	10.0	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	95	257907	10.0	9.65	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	69	27741	10.0	9.54	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	95	192054	10.0	9.50	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	91	85207	10.0	9.92	
121 Naphthalene	128	12.409	12.409	0.000	97	587795	10.0	9.69	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	197524	10.0	9.88	
S 123 Total BTEX	1				0			48.2	
S 126 1,3-Dichloropropene, Total	1				0			18.8	
S 125 1,2-Dichloroethene, Total	1				0			18.4	
S 124 Xylenes, Total	1				0			19.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00472	Amount Added:	5.00	Units: uL	
8260 CORP mix_00214	Amount Added:	5.00	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:50:24 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D

Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S Operator ID: wd

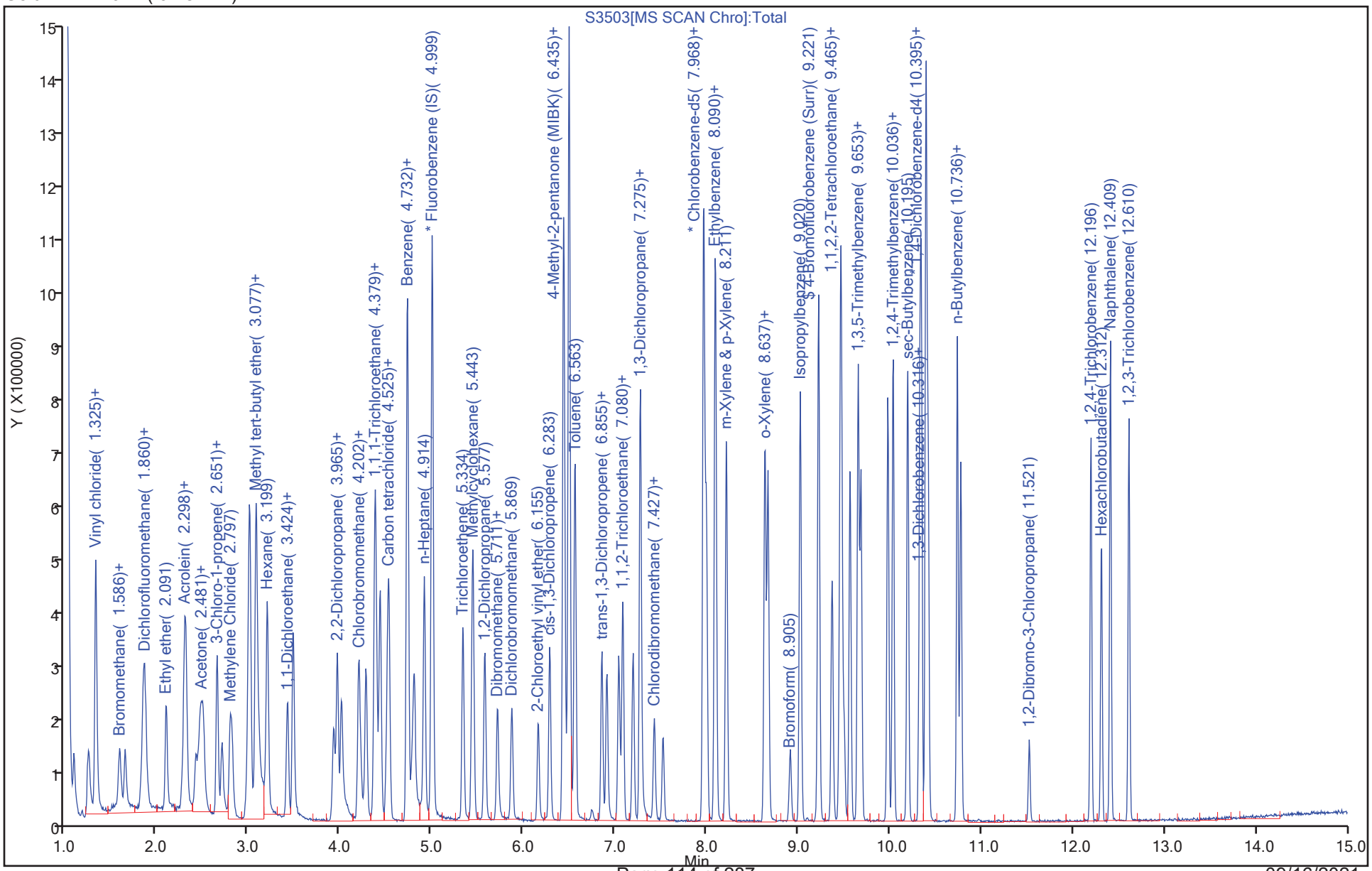
Lims ID: IC 4 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

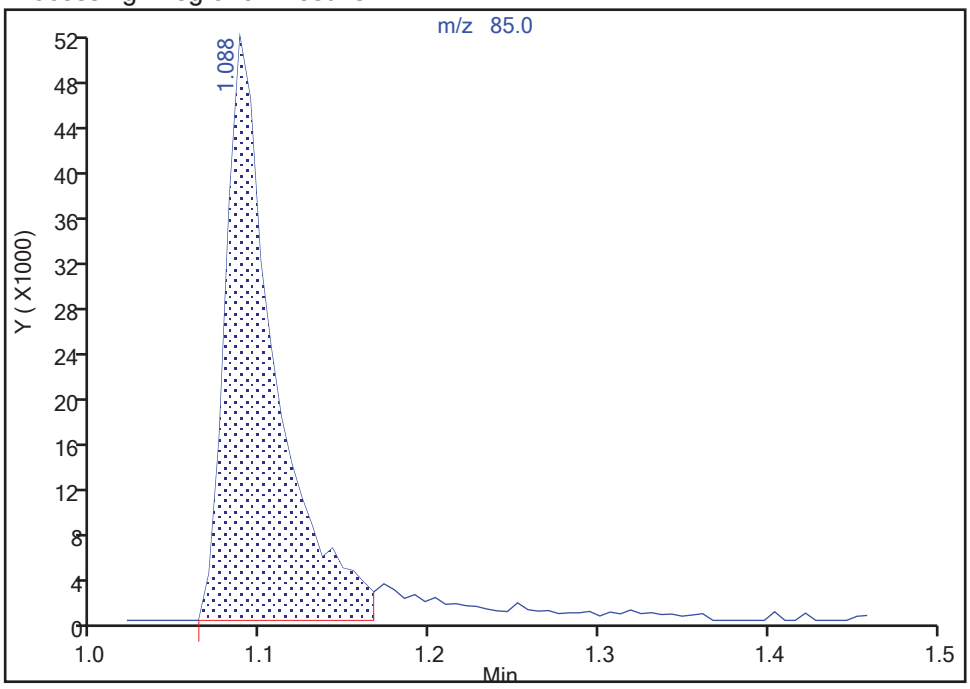
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

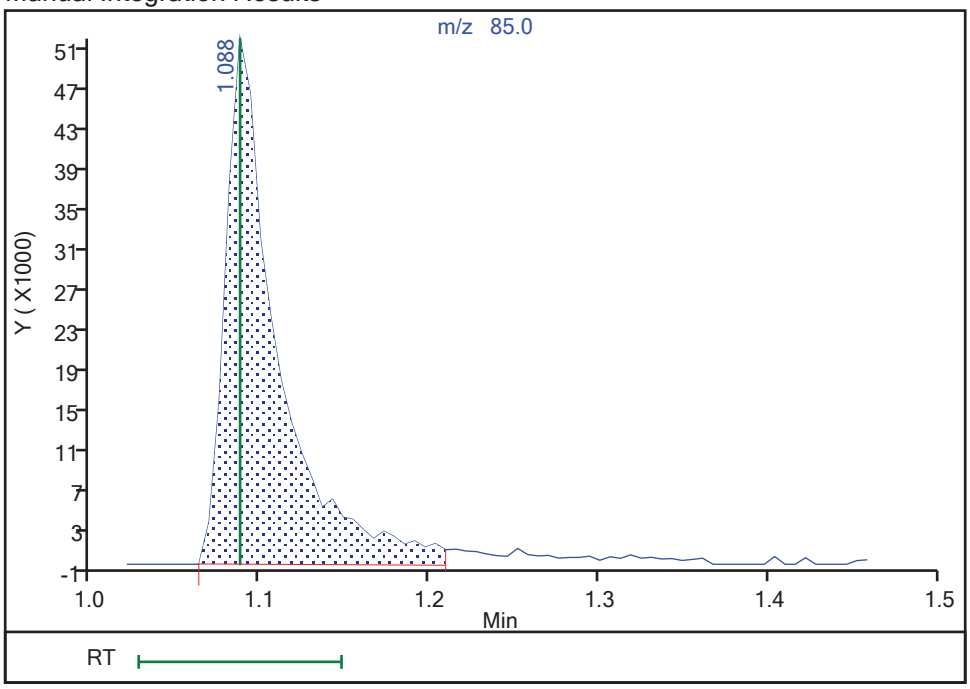
Processing Integration Results

RT: 1.09
Area: 106797
Amount: 8.971779
Amount Units: ug/L



Manual Integration Results

RT: 1.09
Area: 112735
Amount: 9.411929
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:18:37
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

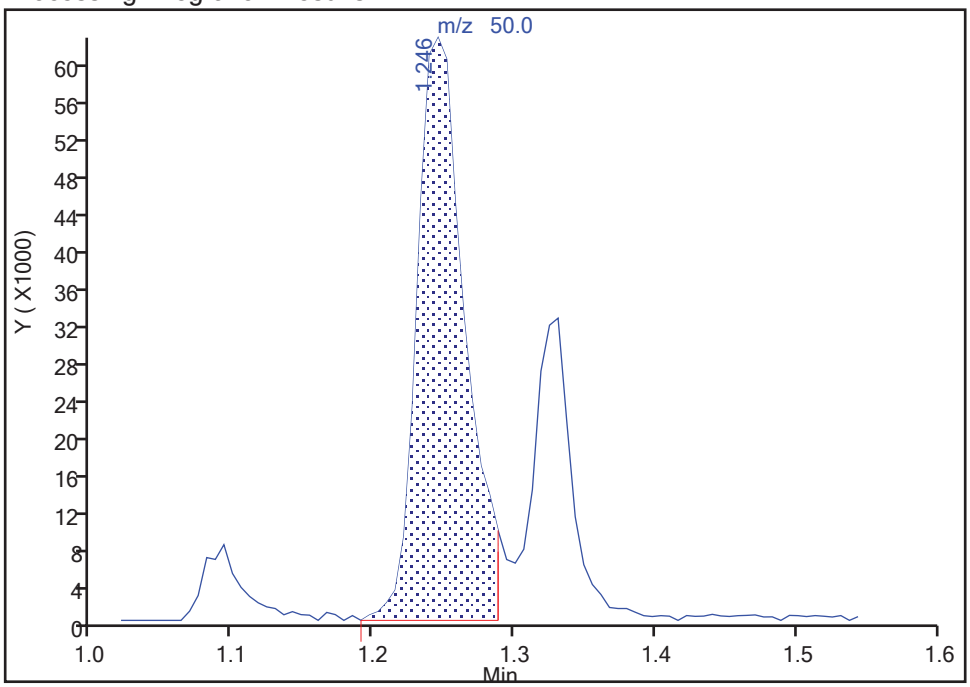
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

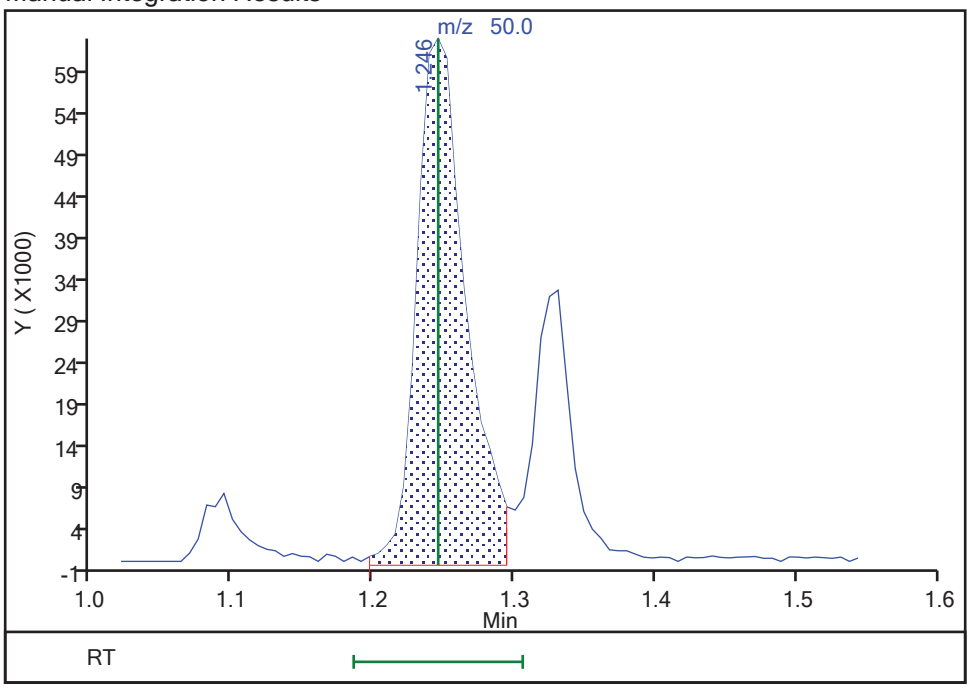
Processing Integration Results

RT: 1.25
Area: 148436
Amount: 9.418314
Amount Units: ug/L



Manual Integration Results

RT: 1.25
Area: 153664
Amount: 9.709771
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:18:48
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

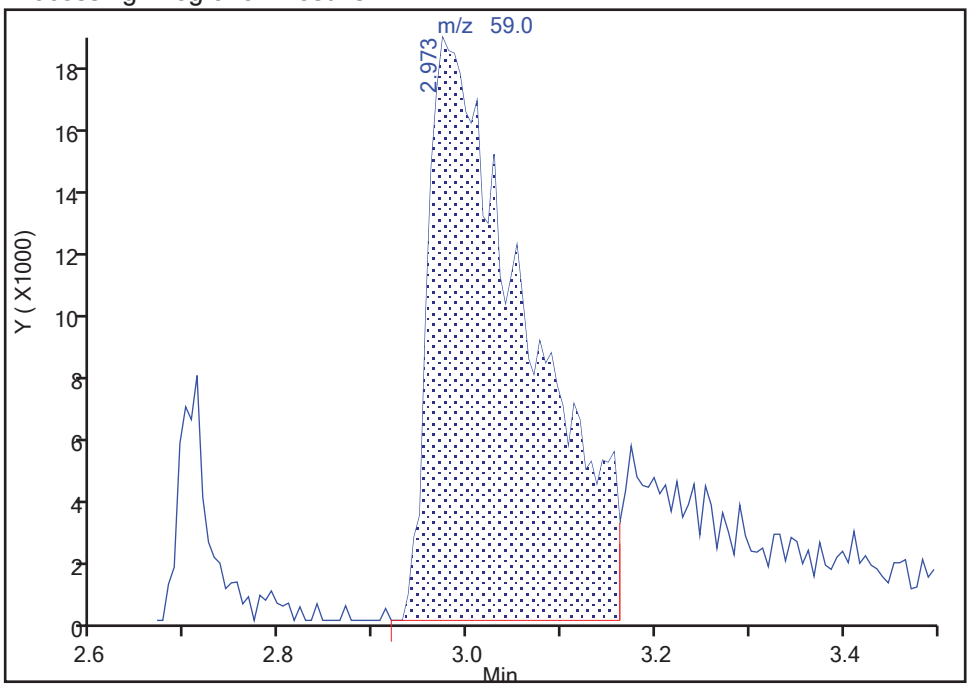
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

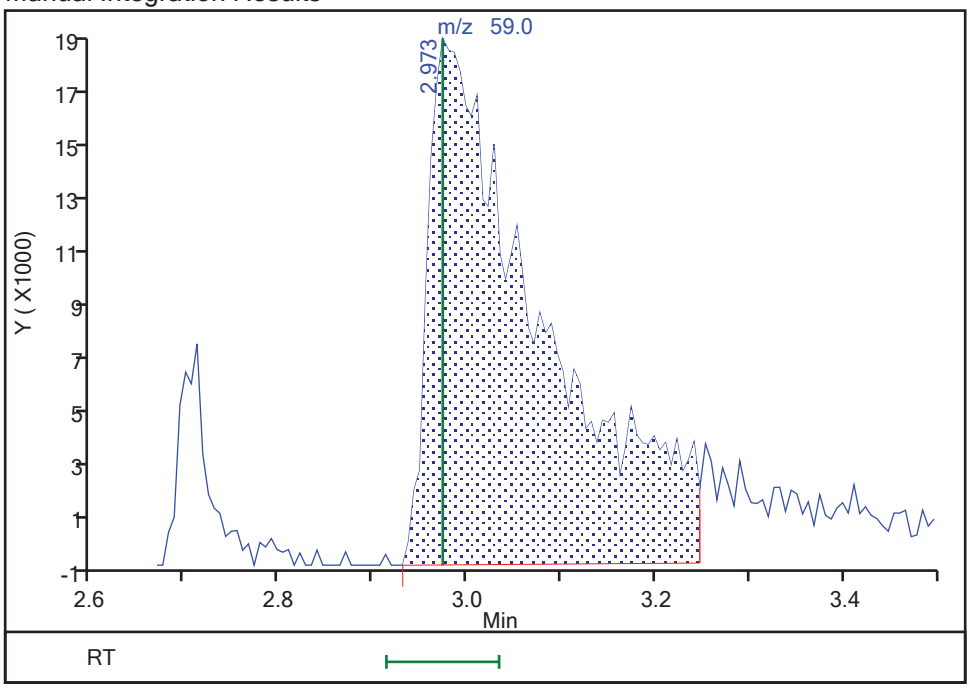
Processing Integration Results

RT: 2.97
Area: 134775
Amount: 84.913747
Amount Units: ug/L



Manual Integration Results

RT: 2.97
Area: 155057
Amount: 96.156319
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:19:06
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

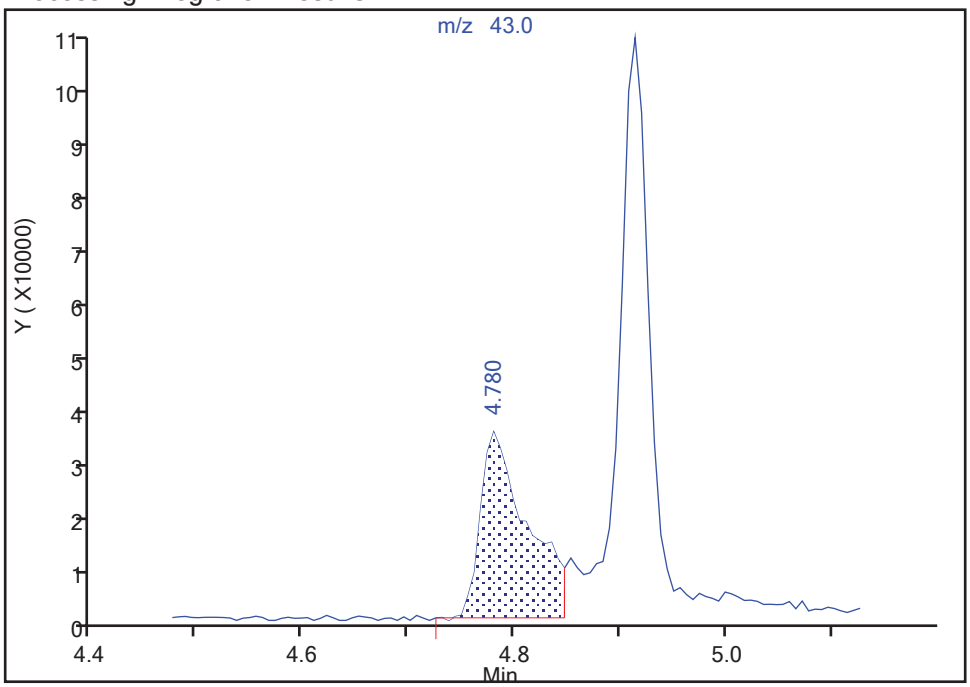
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

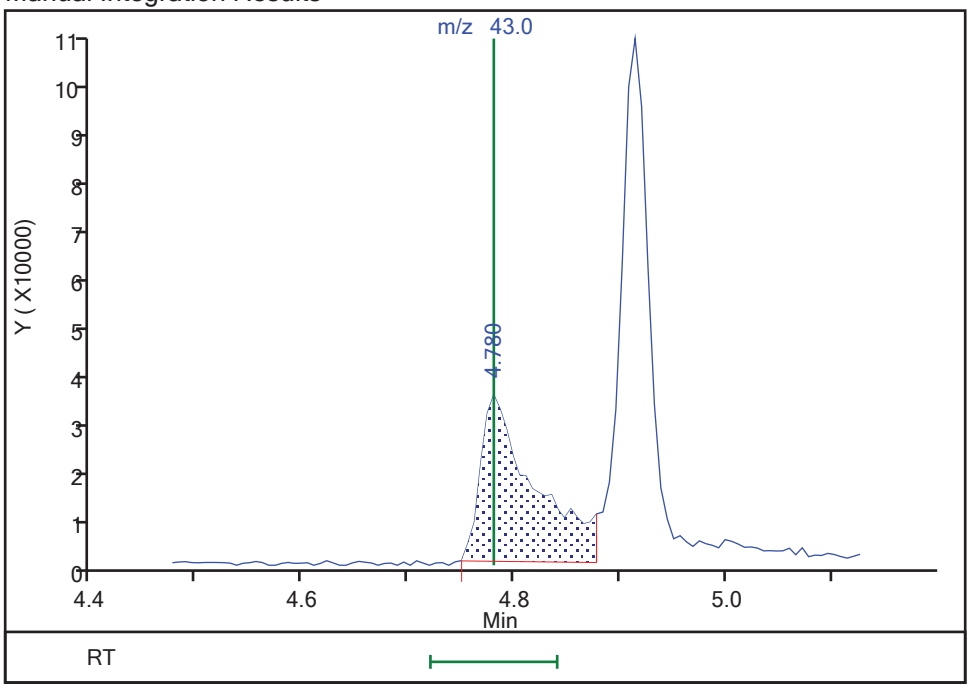
Processing Integration Results

RT: 4.78
Area: 102301
Amount: 187.8668
Amount Units: ug/L



Manual Integration Results

RT: 4.78
Area: 116779
Amount: 211.6409
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:19:33
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

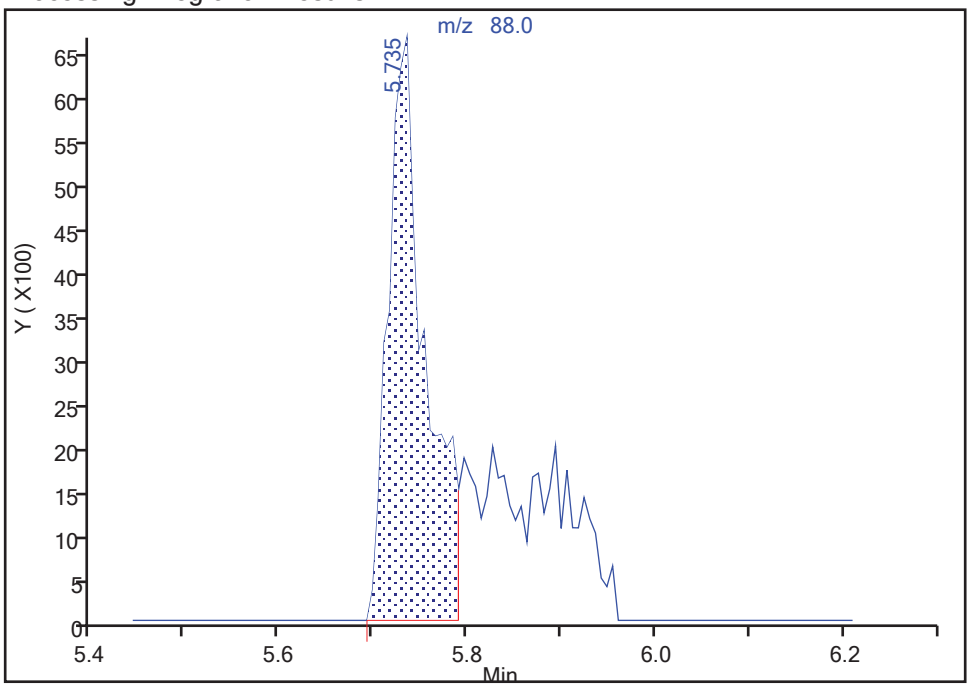
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

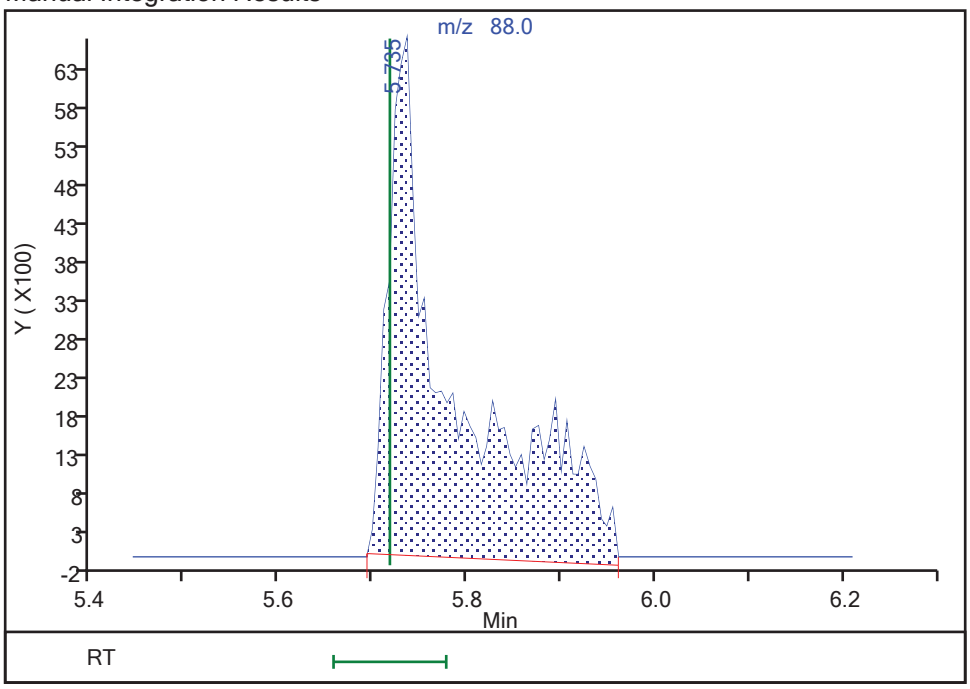
Processing Integration Results

RT: 5.74
Area: 18301
Amount: 162.1287
Amount Units: ug/L



Manual Integration Results

RT: 5.74
Area: 31810
Amount: 218.1231
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:19:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3504.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 14-Sep-2021 19:33:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0100971-009
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:27 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: dahnw Date: 15-Sep-2021 09:13:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	171221	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	85	348761	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	50	371999	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.434	0.000	58	226925	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	49	143504	25.0	24.0	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	63	880966	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	294459	25.0	25.0	
10 Dichlorodifluoromethane	85	1.088	1.088	0.000	87	302634	25.0	24.8	
12 Chloromethane	50	1.246	1.246	0.000	89	389233	25.0	24.2	
13 Vinyl chloride	62	1.319	1.319	0.000	60	358934	25.0	24.6	
151 Butadiene	54	1.325	1.325	0.000	72	424711	25.0	24.6	
14 Bromomethane	94	1.586	1.586	0.000	89	230469	25.0	23.5	
15 Chloroethane	64	1.647	1.647	0.000	95	233946	25.0	23.0	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	81	502516	25.0	23.8	
17 Trichlorofluoromethane	101	1.860	1.860	0.000	79	452424	25.0	25.2	
18 Ethyl ether	59	2.091	2.091	0.000	93	291748	25.0	23.7	
20 Acrolein	56	2.274	2.274	0.000	82	109707	125.0	123.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.292	2.292	0.000	91	276794	25.0	28.5	
22 1,1-Dichloroethene	96	2.304	2.304	0.000	87	252143	25.0	24.2	
23 Acetone	43	2.420	2.420	0.000	99	683708	125.0	129.7	
25 Iodomethane	142	2.462	2.462	0.000	97	451114	25.0	24.2	
26 Carbon disulfide	76	2.499	2.499	0.000	99	881454	25.0	26.3	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	88	517929	25.0	25.2	
27 Methyl acetate	43	2.700	2.700	0.000	96	634210	50.0	45.7	
30 Methylene Chloride	84	2.803	2.803	0.000	92	307567	25.0	25.3	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	56	436263	250.0	265.9	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	98	911344	25.0	24.3	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	93	286272	25.0	24.4	
33 Acrylonitrile	53	3.077	3.077	0.000	98	1748840	250.0	243.4	
35 Hexane	57	3.199	3.199	0.000	90	480468	25.0	27.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	86	540385	25.0	25.1	
37 Vinyl acetate	43	3.478	3.478	0.000	98	1454178	50.0	51.1	
44 2,2-Dichloropropane	77	3.923	3.923	0.000	92	282296	25.0	25.8	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	66	314341	25.0	24.8	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	98	989530	125.0	123.0	
48 Chlorobromomethane	128	4.196	4.196	0.000	94	165566	25.0	24.3	
49 Tetrahydrofuran	42	4.208	4.208	0.000	89	269625	50.0	45.2	
50 Chloroform	83	4.275	4.275	0.000	80	498509	25.0	23.4	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	78	448308	25.0	26.6	
52 Cyclohexane	56	4.379	4.379	0.000	91	607551	25.0	27.7	
55 Carbon tetrachloride	117	4.507	4.507	0.000	83	394092	25.0	26.7	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	92	398834	25.0	27.0	
57 Benzene	78	4.726	4.726	0.000	97	1168050	25.0	25.5	
53 Isobutyl alcohol	43	4.780	4.780	0.000	61	349486	625.0	622.6	
58 1,2-Dichloroethane	62	4.805	4.805	0.000	75	414909	25.0	23.9	
59 n-Heptane	43	4.914	4.914	0.000	94	547861	25.0	27.1	
62 Trichloroethene	95	5.334	5.334	0.000	93	284284	25.0	26.0	
64 Methylcyclohexane	83	5.443	5.443	0.000	94	539780	25.0	27.0	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	91	284335	25.0	24.4	
67 Dibromomethane	93	5.711	5.711	0.000	89	175999	25.0	24.3	
66 1,4-Dioxane	88	5.717	5.717	0.000	34	75732	500.0	494.3	
68 Dichlorobromomethane	83	5.869	5.869	0.000	92	344976	25.0	25.8	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	92	210107	25.0	26.1	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	89	445695	25.0	25.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	2184476	125.0	123.9	
74 Toluene	92	6.557	6.557	0.000	92	726967	25.0	25.8	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	95	424710	25.0	26.1	
75 Ethyl methacrylate	69	6.903	6.903	0.000	74	384113	25.0	27.4	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	87	213935	25.0	24.5	
81 Tetrachloroethene	166	7.080	7.080	0.000	83	326944	25.0	26.7	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	95	447230	25.0	24.9	
80 2-Hexanone	43	7.275	7.275	0.000	97	1532714	125.0	129.6	
83 Chlorodibromomethane	129	7.427	7.427	0.000	88	264065	25.0	25.7	
84 Ethylene Dibromide	107	7.518	7.518	0.000	99	283000	25.0	26.0	
87 Chlorobenzene	112	7.992	7.992	0.000	93	836365	25.0	26.0	
88 Ethylbenzene	91	8.090	8.090	0.000	98	1385126	25.0	26.1	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	41	303634	25.0	26.1	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	565439	25.0	26.3	
91 o-Xylene	106	8.631	8.631	0.000	97	556799	25.0	26.2	
92 Styrene	104	8.668	8.668	0.000	93	915742	25.0	26.2	
95 Bromoform	173	8.911	8.911	0.000	97	184592	25.0	25.9	
94 Isopropylbenzene	105	9.021	9.021	0.000	95	1486094	25.0	26.3	
101 Bromobenzene	156	9.367	9.367	0.000	92	374620	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	59	381602	25.0	24.6	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	1651455	25.0	26.1	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	64	132362	25.0	24.7	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	87	123626	25.0	23.5	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	339987	25.0	24.7	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	1257252	25.0	26.2	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	351499	25.0	25.8	
106 tert-Butylbenzene	134	9.976	9.976	0.000	91	281710	25.0	26.4	
107 1,2,4-Trimethylbenzene	105	10.037	10.037	0.000	62	1283383	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	93	1582668	25.0	26.6	
111 1,3-Dichlorobenzene	146	10.329	10.329	0.000	97	709121	25.0	24.9	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	1430481	25.0	26.9	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	95	716481	25.0	24.6	
115 n-Butylbenzene	91	10.736	10.736	0.000	95	1191450	25.0	27.0	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	97	708452	25.0	24.4	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	83	80891	25.0	25.6	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	95	540716	25.0	24.6	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	95	249426	25.0	26.8	
121 Naphthalene	128	12.409	12.409	0.000	96	1641849	25.0	24.9	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	94	534205	25.0	24.6	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00472	Amount Added: 12.50	Units: uL	
8260 CORP mix_00214	Amount Added: 12.50	Units: uL	
S_8260_IS_00351	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:50:28 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3504.D

Injection Date: 14-Sep-2021 19:33:30 Instrument ID: HP5973S Operator ID: wd

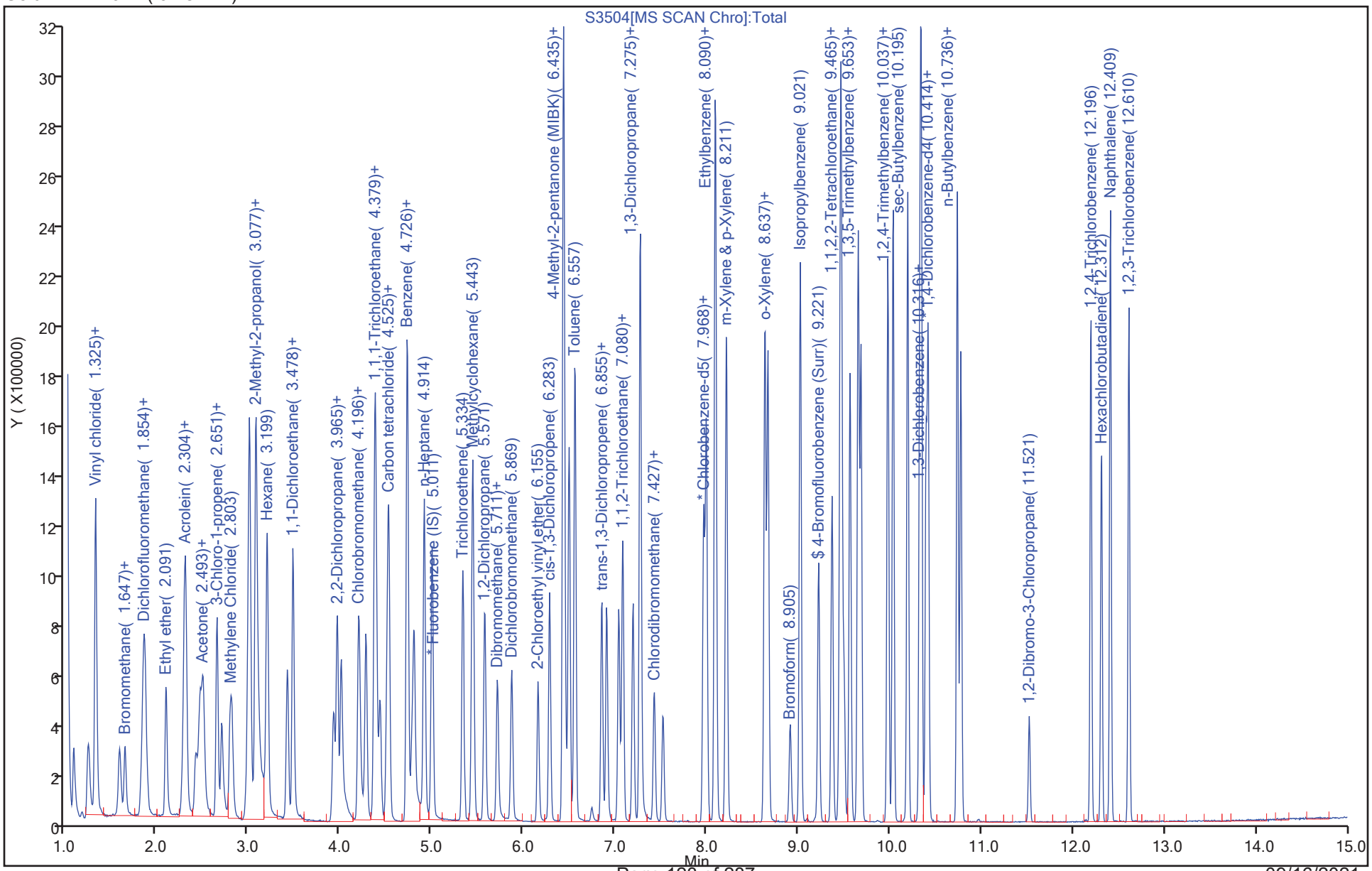
Lims ID: ICIS 5 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 9

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3505.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Sep-2021 19:57:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0100971-010
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:31 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:20:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	174549	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.968	7.962	0.006	86	359749	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	43	390555	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	57	229790	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	39	146635	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	44	913307	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	314475	25.0	25.9	
10 Dichlorodifluoromethane	85	1.087	1.088	-0.001	88	599154	50.0	48.2	
12 Chloromethane	50	1.240	1.246	-0.006	81	753935	50.0	45.9	
13 Vinyl chloride	62	1.319	1.319	0.000	62	728877	50.0	48.9	
151 Butadiene	54	1.325	1.325	0.000	62	815545	50.0	46.3	
14 Bromomethane	94	1.586	1.586	0.000	91	438731	50.0	43.8	
15 Chloroethane	64	1.647	1.647	0.000	100	452433	50.0	43.6	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	81	1003222	50.0	46.7	
17 Trichlorofluoromethane	101	1.854	1.860	-0.006	68	885985	50.0	48.4	
18 Ethyl ether	59	2.091	2.091	0.000	95	595098	50.0	47.4	
20 Acrolein	56	2.268	2.274	-0.006	99	220756	250.0	243.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	66	505533	50.0	51.0	
22 1,1-Dichloroethene	96	2.304	2.304	0.000	97	485915	50.0	45.8	
23 Acetone	43	2.420	2.420	0.000	99	1369006	250.0	254.8	
25 Iodomethane	142	2.462	2.462	0.000	97	945860	50.0	49.8	
26 Carbon disulfide	76	2.499	2.499	0.000	99	1722586	50.0	50.5	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	89	1027167	50.0	49.1	
27 Methyl acetate	43	2.700	2.700	0.000	95	1157392	100.0	81.8	
30 Methylene Chloride	84	2.809	2.803	0.006	92	596600	50.0	48.8	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	62	941701	500.0	563.1	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	93	1872237	50.0	48.9	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	91	573683	50.0	47.9	
33 Acrylonitrile	53	3.077	3.077	0.000	100	3598100	500.0	491.2	
35 Hexane	57	3.198	3.199	-0.001	89	916630	50.0	50.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.417	3.418	-0.001	85	1069071	50.0	48.7	
37 Vinyl acetate	43	3.478	3.478	0.000	97	3187592	100.0	110.0	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	92	518288	50.0	46.5	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	67	622642	50.0	48.1	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	98	2145680	250.0	261.6	
48 Chlorobromomethane	128	4.196	4.196	0.000	96	333437	50.0	48.1	
49 Tetrahydrofuran	42	4.208	4.208	0.000	90	562251	100.0	92.4	
50 Chloroform	83	4.275	4.275	0.000	81	1000671	50.0	46.0	
51 1,1,1-Trichloroethane	97	4.379	4.373	0.006	76	867822	50.0	50.5	
52 Cyclohexane	56	4.379	4.379	0.000	92	1142222	50.0	51.0	
55 Carbon tetrachloride	117	4.506	4.507	-0.001	83	770138	50.0	51.1	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	91	769810	50.0	51.1	
57 Benzene	78	4.725	4.726	-0.001	98	2375373	50.0	50.9	
53 Isobutyl alcohol	43	4.780	4.780	0.000	60	814028	1250.0	1422.5	
58 1,2-Dichloroethane	62	4.798	4.805	-0.007	82	865139	50.0	48.9	
59 n-Heptane	43	4.914	4.914	0.000	92	1031969	50.0	50.1	
62 Trichloroethene	95	5.334	5.334	0.000	92	573716	50.0	51.4	
64 Methylcyclohexane	83	5.443	5.443	0.000	92	1036429	50.0	50.9	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	91	592452	50.0	50.0	
67 Dibromomethane	93	5.711	5.711	0.000	87	355851	50.0	48.2	
66 1,4-Dioxane	88	5.723	5.717	0.006	42	156632	1000.0	983.8	M
68 Dichlorobromomethane	83	5.869	5.869	0.000	93	736488	50.0	54.1	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	93	453912	50.0	55.3	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	90	969724	50.0	55.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	98	4568920	250.0	251.3	
74 Toluene	92	6.563	6.557	0.006	94	1520308	50.0	52.2	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	92	907811	50.0	54.1	
75 Ethyl methacrylate	69	6.903	6.903	0.000	73	849639	50.0	58.7	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	93	446421	50.0	49.6	
81 Tetrachloroethene	166	7.080	7.080	0.000	80	660022	50.0	52.2	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	95	945980	50.0	51.1	
80 2-Hexanone	43	7.268	7.275	-0.007	95	3264514	250.0	267.6	
83 Chlorodibromomethane	129	7.427	7.427	0.000	84	582560	50.0	55.0	
84 Ethylene Dibromide	107	7.518	7.518	0.000	97	598830	50.0	53.2	
87 Chlorobenzene	112	7.992	7.992	0.000	93	1731088	50.0	52.1	
88 Ethylbenzene	91	8.090	8.090	0.000	98	2872083	50.0	52.5	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	624901	50.0	52.0	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	1175206	50.0	53.0	
91 o-Xylene	106	8.631	8.631	0.000	97	1145692	50.0	52.2	
92 Styrene	104	8.668	8.668	0.000	76	1969849	50.0	54.6	
95 Bromoform	173	8.911	8.911	0.000	95	424148	50.0	57.6	
94 Isopropylbenzene	105	9.020	9.021	-0.001	95	3031588	50.0	51.1	
101 Bromobenzene	156	9.367	9.367	0.000	92	778889	50.0	51.4	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	59	813601	50.0	50.0	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	3469066	50.0	52.2	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	63	277096	50.0	49.2	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.495	0.006	93	287586	50.0	51.4	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	703914	50.0	48.7	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	2621814	50.0	52.0	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	726866	50.0	50.8	
106 tert-Butylbenzene	134	9.976	9.976	0.000	91	572822	50.0	51.2	
107 1,2,4-Trimethylbenzene	105	10.036	10.037	-0.001	65	2718988	50.0	51.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	94	3290484	50.0	52.7	
111 1,3-Dichlorobenzene	146	10.322	10.329	-0.007	98	1518128	50.0	50.9	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	2938775	50.0	52.7	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	96	1545721	50.0	50.6	
115 n-Butylbenzene	91	10.736	10.736	0.000	95	2458969	50.0	53.1	
116 1,2-Dichlorobenzene	146	10.772	10.773	-0.001	97	1494519	50.0	49.1	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	83	170484	50.0	51.4	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	91	1129854	50.0	49.0	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	94	510027	50.0	52.1	
121 Naphthalene	128	12.409	12.409	0.000	96	3518086	50.0	50.9	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	1141429	50.0	50.1	
S 123 Total BTEX	1				0			260.8	
S 126 1,3-Dichloropropene, Total	1				0			109.3	
S 125 1,2-Dichloroethene, Total	1				0			96.1	
S 124 Xylenes, Total	1				0			105.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00472	Amount Added:	25.00	Units: uL	
8260 CORP mix_00214	Amount Added:	25.00	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:50:32 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3505.D

Injection Date: 14-Sep-2021 19:57:30 Instrument ID: HP5973S Operator ID: wd

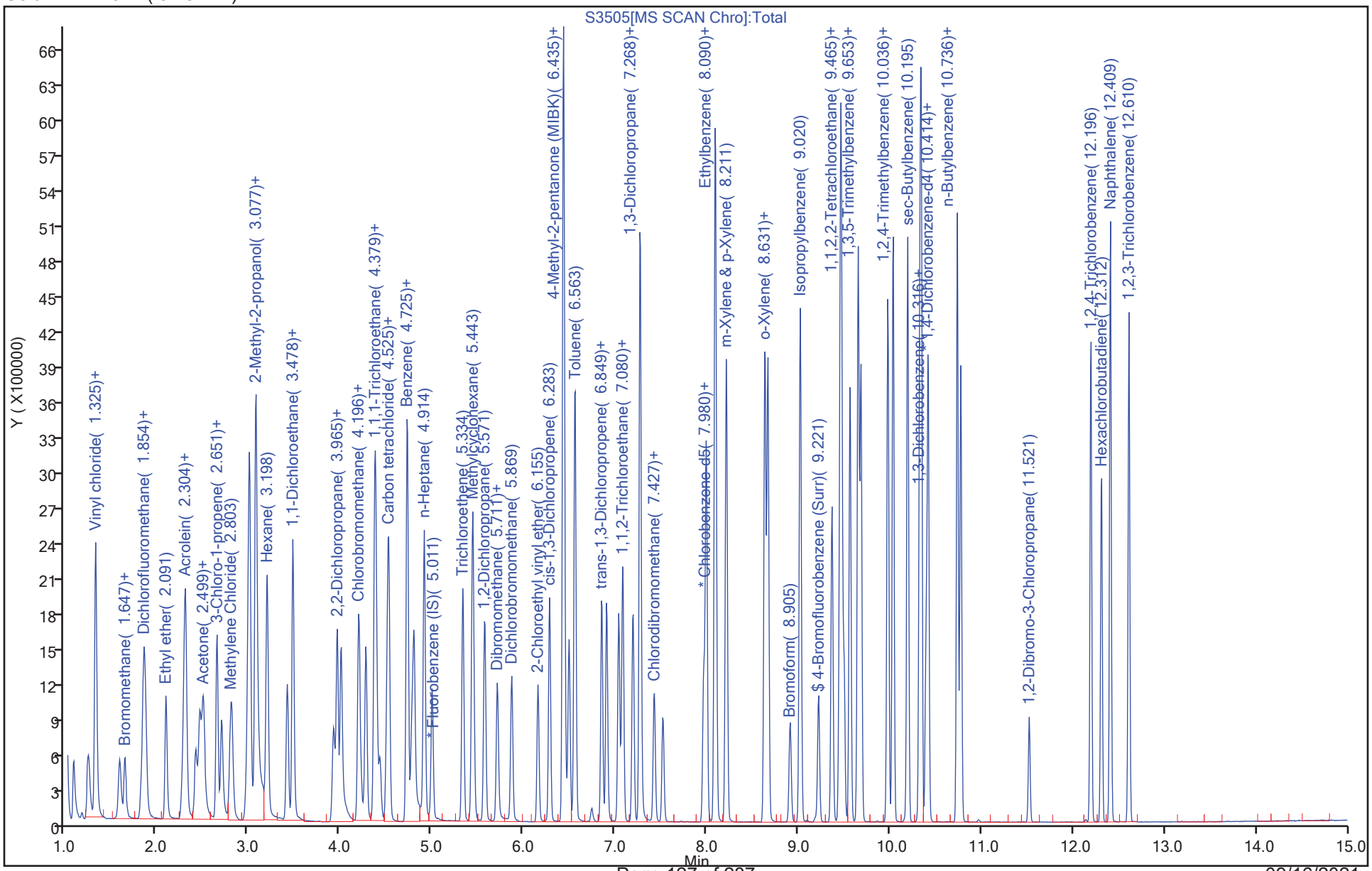
Lims ID: IC 6 Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 10

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

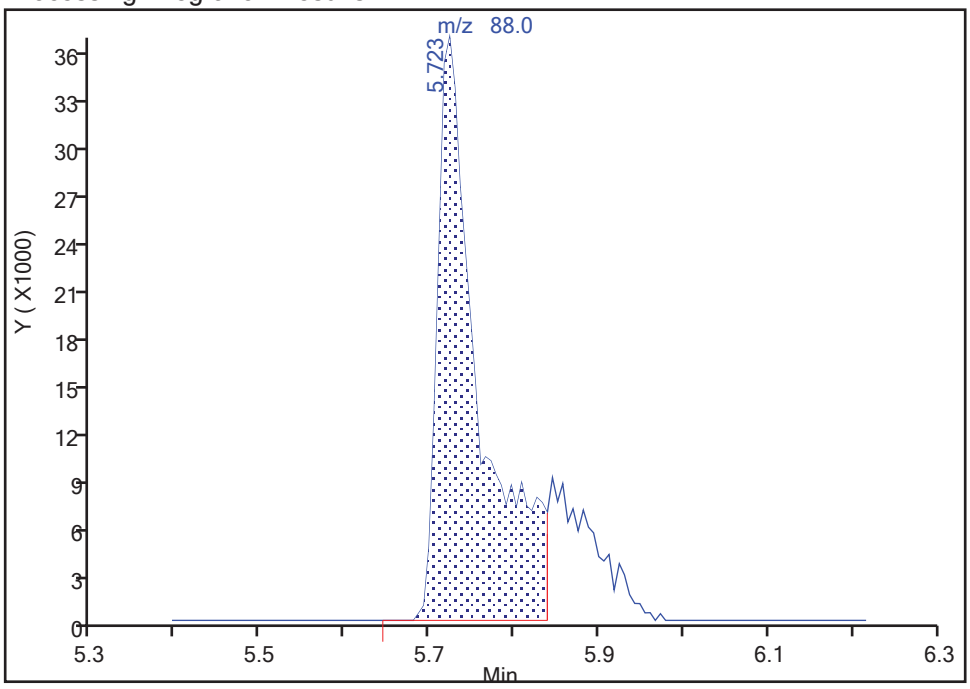
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3505.D
Injection Date: 14-Sep-2021 19:57:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: wd ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

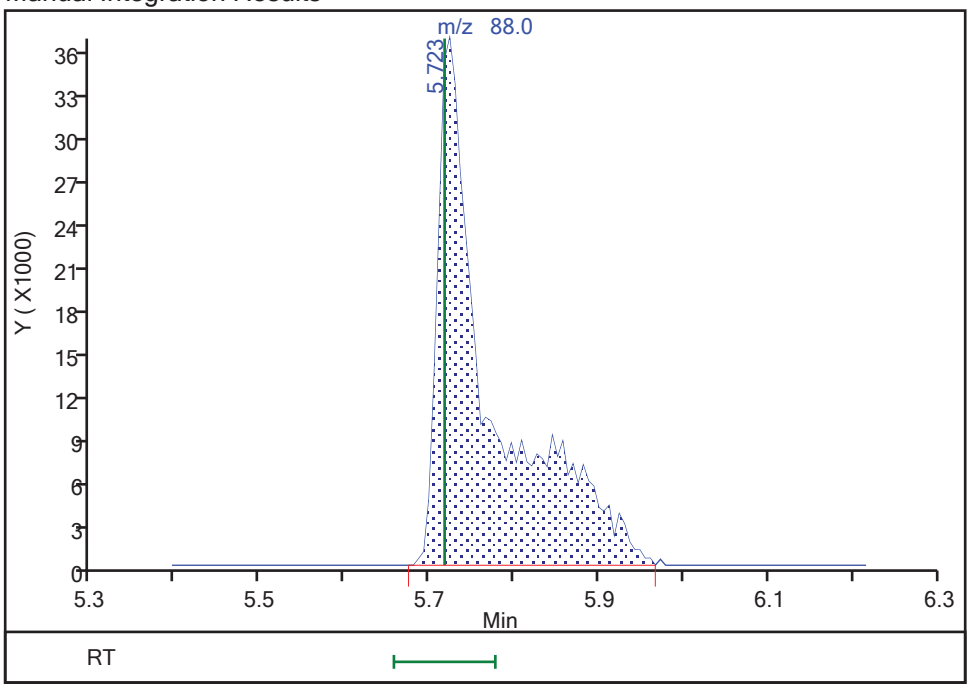
Processing Integration Results

RT: 5.72
Area: 125272
Amount: 971.3086
Amount Units: ug/L



Manual Integration Results

RT: 5.72
Area: 156632
Amount: 983.7750
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:20:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3506.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Sep-2021 20:20:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0100971-011
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:34 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:21:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	97	171070	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.968	7.962	0.006	87	355314	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	17	382285	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	55	234818	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	40	147869	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	27	913223	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	91	308499	25.0	25.7	
10 Dichlorodifluoromethane	85	1.087	1.088	-0.001	88	1126065	100.0	92.5	
12 Chloromethane	50	1.240	1.246	-0.006	88	1456275	100.0	90.5	
13 Vinyl chloride	62	1.319	1.319	0.000	69	1395409	100.0	95.6	
151 Butadiene	54	1.325	1.325	0.000	64	1549780	100.0	89.8	
14 Bromomethane	94	1.586	1.586	0.000	90	840709	100.0	85.7	
15 Chloroethane	64	1.641	1.647	-0.006	95	869828	100.0	85.6	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	81	1931209	100.0	91.7	
17 Trichlorofluoromethane	101	1.854	1.860	-0.006	69	1680465	100.0	93.7	
18 Ethyl ether	59	2.091	2.091	0.000	93	1175952	100.0	95.7	
20 Acrolein	56	2.268	2.274	-0.006	97	415004	500.0	466.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.292	2.292	0.000	81	957894	100.0	98.7	
22 1,1-Dichloroethene	96	2.304	2.304	0.000	87	934840	100.0	89.8	
23 Acetone	43	2.414	2.420	-0.006	99	2577588	500.0	489.6	
25 Iodomethane	142	2.462	2.462	0.000	98	1805891	100.0	97.1	
26 Carbon disulfide	76	2.499	2.499	0.000	99	3348924	100.0	100.2	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	89	2045263	100.0	99.7	
27 Methyl acetate	43	2.700	2.700	0.000	96	2600398	200.0	187.6	
30 Methylene Chloride	84	2.803	2.803	0.000	90	1201921	100.0	101.0	
31 2-Methyl-2-propanol	59	2.967	2.973	-0.006	80	1893417	1000.0	1155.2	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	98	3754097	100.0	100.0	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	96	1125281	100.0	96.0	
33 Acrylonitrile	53	3.077	3.077	0.000	99	6691541	1000.0	932.1	
35 Hexane	57	3.198	3.199	-0.001	88	1756968	100.0	98.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	84	2146357	100.0	99.8	
37 Vinyl acetate	43	3.478	3.478	0.000	97	6647562	200.0	234.0	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	92	997150	100.0	91.3	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	66	1244526	100.0	98.2	
43 2-Butanone (MEK)	43	4.002	4.008	-0.006	98	4090724	500.0	508.9	
48 Chlorobromomethane	128	4.196	4.196	0.000	96	674300	100.0	99.2	
49 Tetrahydrofuran	42	4.208	4.208	0.000	88	1077424	200.0	180.6	
50 Chloroform	83	4.275	4.275	0.000	81	2027538	100.0	95.2	
51 1,1,1-Trichloroethane	97	4.379	4.373	0.006	78	1681346	100.0	99.9	
52 Cyclohexane	56	4.379	4.379	0.000	91	2164470	100.0	98.7	
55 Carbon tetrachloride	117	4.513	4.507	0.006	82	1501127	100.0	101.6	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	93	1516803	100.0	102.7	
57 Benzene	78	4.725	4.726	-0.001	97	4728340	100.0	103.4	
53 Isobutyl alcohol	43	4.780	4.780	0.000	60	1629465	2500.0	2905.4	
58 1,2-Dichloroethane	62	4.798	4.805	-0.007	84	1715219	100.0	98.9	
59 n-Heptane	43	4.914	4.914	0.000	93	1997450	100.0	98.9	
62 Trichloroethene	95	5.334	5.334	0.000	92	1112396	100.0	101.7	
64 Methylcyclohexane	83	5.443	5.443	0.000	93	1979741	100.0	99.1	
65 1,2-Dichloropropane	63	5.571	5.577	-0.006	92	1184887	100.0	102.0	
67 Dibromomethane	93	5.711	5.711	0.000	90	717339	100.0	99.2	
66 1,4-Dioxane	88	5.717	5.717	0.000	37	315874	2000.0	2001.1	
68 Dichlorobromomethane	83	5.869	5.869	0.000	93	1478131	100.0	110.7	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	91	865823	100.0	107.6	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	91	1913051	100.0	111.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	9166410	500.0	510.4	
74 Toluene	92	6.563	6.557	0.006	91	2952411	100.0	102.7	
77 trans-1,3-Dichloropropene	75	6.849	6.855	-0.006	92	1817582	100.0	109.7	
75 Ethyl methacrylate	69	6.903	6.903	0.000	73	1698310	100.0	118.7	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	87	881711	100.0	99.2	
81 Tetrachloroethene	166	7.080	7.080	0.000	84	1259170	100.0	100.8	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	94	1853192	100.0	101.3	
80 2-Hexanone	43	7.268	7.275	-0.007	95	6272018	500.0	520.5	
83 Chlorodibromomethane	129	7.427	7.427	0.000	88	1175712	100.0	112.4	
84 Ethylene Dibromide	107	7.518	7.518	0.000	98	1167758	100.0	105.1	
87 Chlorobenzene	112	7.992	7.992	0.000	94	3406548	100.0	103.9	
88 Ethylbenzene	91	8.090	8.090	0.000	98	5734845	100.0	106.1	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	1286013	100.0	108.4	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	99	2287241	100.0	104.3	
91 o-Xylene	106	8.637	8.631	0.006	97	2274108	100.0	104.9	
92 Styrene	104	8.668	8.668	0.000	84	3945013	100.0	110.8	
95 Bromoform	173	8.911	8.911	0.000	97	876060	100.0	120.5	
94 Isopropylbenzene	105	9.020	9.021	-0.001	95	6055313	100.0	104.3	
101 Bromobenzene	156	9.367	9.367	0.000	92	1537890	100.0	103.8	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	62	1622995	100.0	102.0	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	6812030	100.0	104.8	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	63	548899	100.0	99.5	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.495	0.006	94	559380	100.0	101.7	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	1374487	100.0	97.1	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	5227235	100.0	105.8	
105 4-Chlorotoluene	126	9.684	9.684	0.000	98	1430719	100.0	102.2	
106 tert-Butylbenzene	134	9.976	9.976	0.000	90	1102985	100.0	100.7	
107 1,2,4-Trimethylbenzene	105	10.036	10.037	-0.001	63	5410645	100.0	105.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	93	6519040	100.0	106.7	
111 1,3-Dichlorobenzene	146	10.328	10.329	-0.001	98	3010720	100.0	103.0	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	95	5840893	100.0	107.1	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	96	3078919	100.0	103.0	
115 n-Butylbenzene	91	10.736	10.736	0.000	94	4814219	100.0	106.2	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	97	3019504	100.0	101.3	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	87	358556	100.0	110.5	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	94	2167557	100.0	96.1	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	94	907763	100.0	94.8	
121 Naphthalene	128	12.409	12.409	0.000	96	7169814	100.0	105.9	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	2164725	100.0	97.0	
S 123 Total BTEX	1				0			521.5	
S 126 1,3-Dichloropropene, Total	1				0			220.7	
S 125 1,2-Dichloroethene, Total	1				0			194.1	
S 124 Xylenes, Total	1				0			209.3	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00472	Amount Added: 50.00	Units: uL	
8260 CORP mix_00214	Amount Added: 50.00	Units: uL	
S_8260_IS_00351	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:50:35 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3506.D

Injection Date: 14-Sep-2021 20:20:30 Instrument ID: HP5973S Operator ID: wd

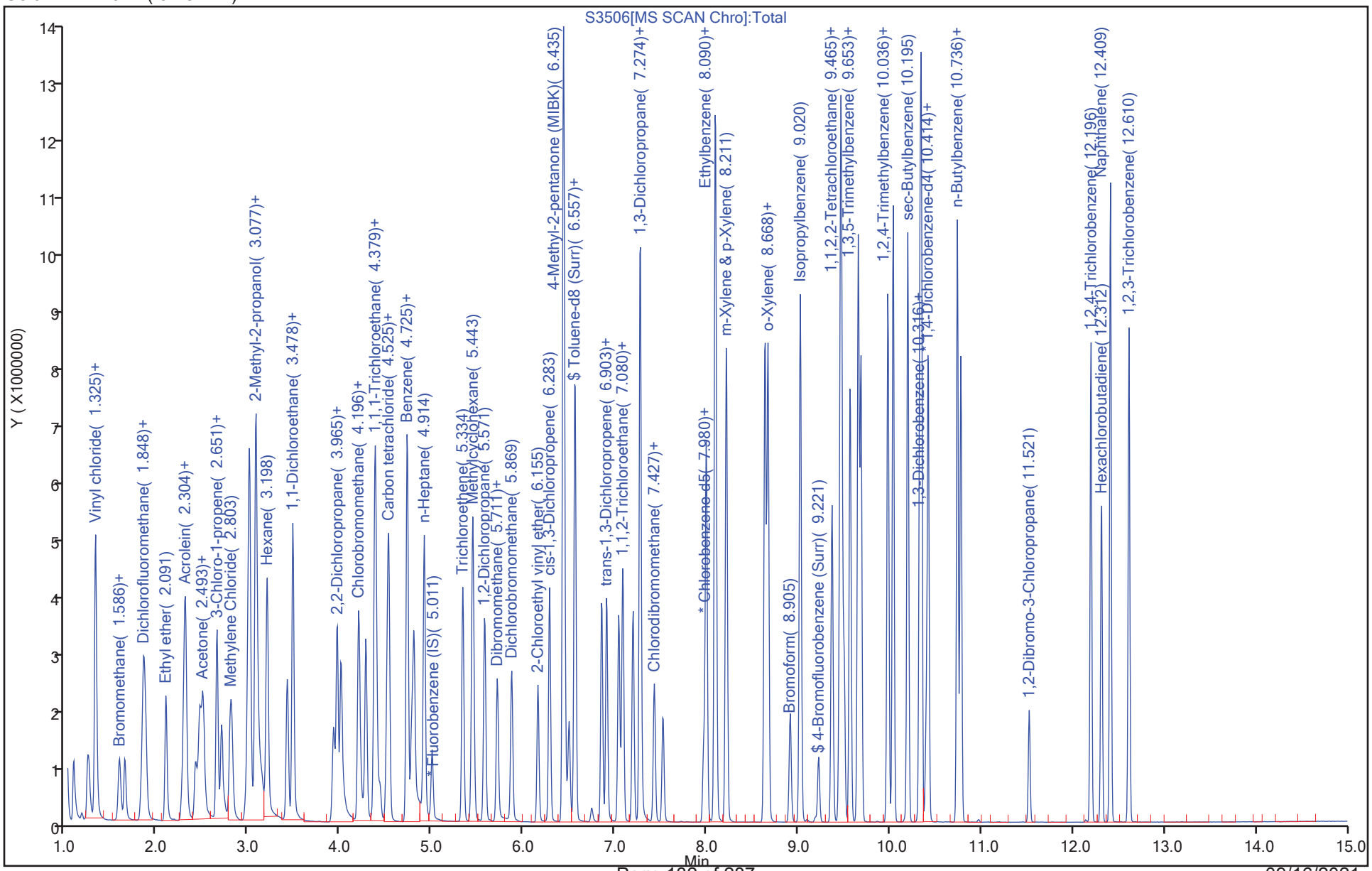
Lims ID: IC 7 Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 11

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

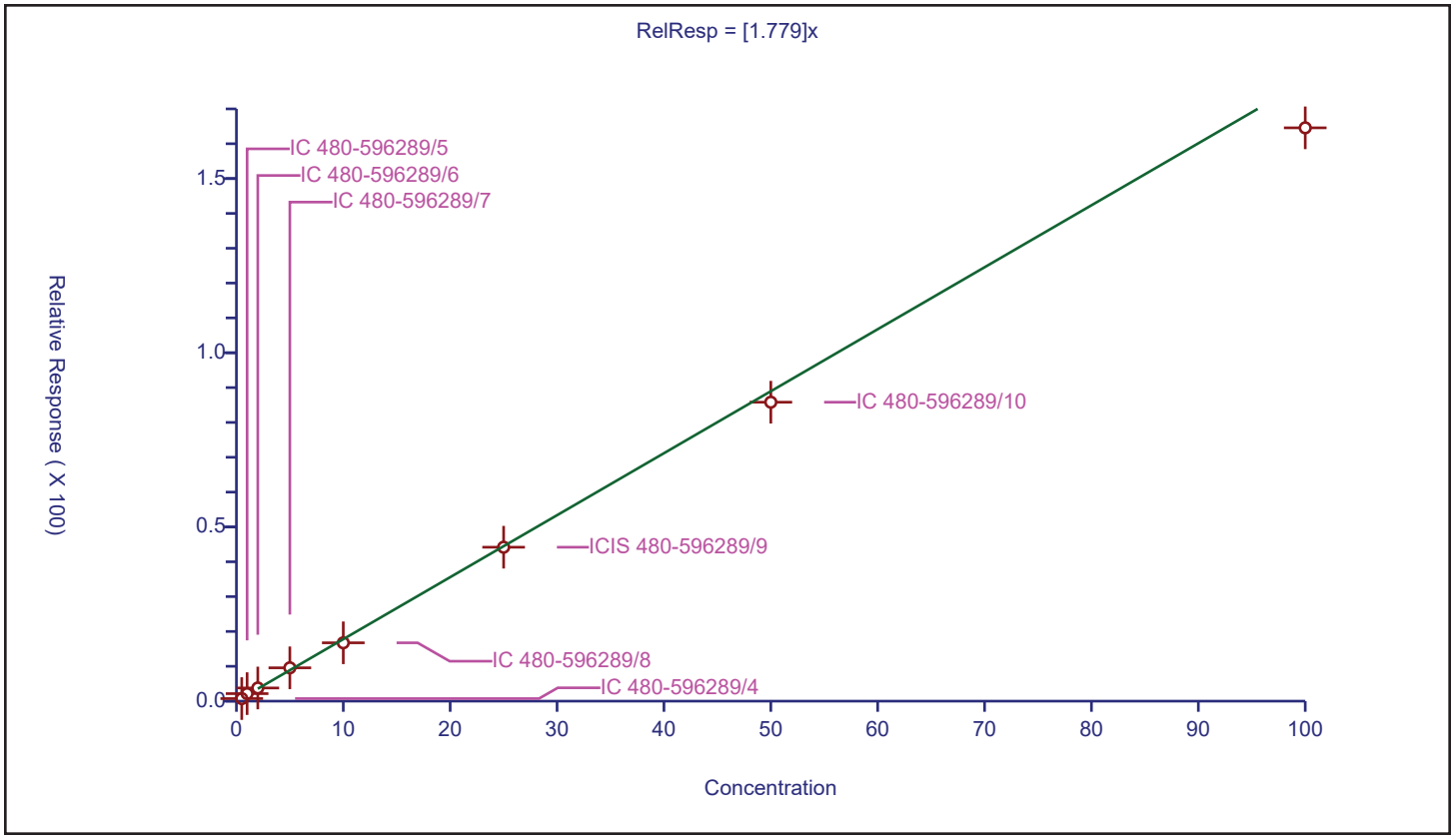
Curve Coefficients

Intercept:	0
Slope:	1.779

Error Coefficients

Standard Error:	498000
Relative Standard Error:	11.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.734395	25.0	166804.0	1.46879	Y
2	IC 480-596289/5	1.0	2.158441	25.0	159409.0	2.158441	Y
3	IC 480-596289/6	2.0	3.776693	25.0	151634.0	1.888346	Y
4	IC 480-596289/7	5.0	9.568445	25.0	159574.0	1.913689	Y
5	IC 480-596289/8	10.0	16.745242	25.0	168309.0	1.674524	Y
6	ICIS 480-596289/9	25.0	44.187629	25.0	171221.0	1.767505	Y
7	IC 480-596289/10	50.0	85.814585	25.0	174549.0	1.716292	Y
8	IC 480-596289/11	100.0	164.562021	25.0	171070.0	1.64562	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

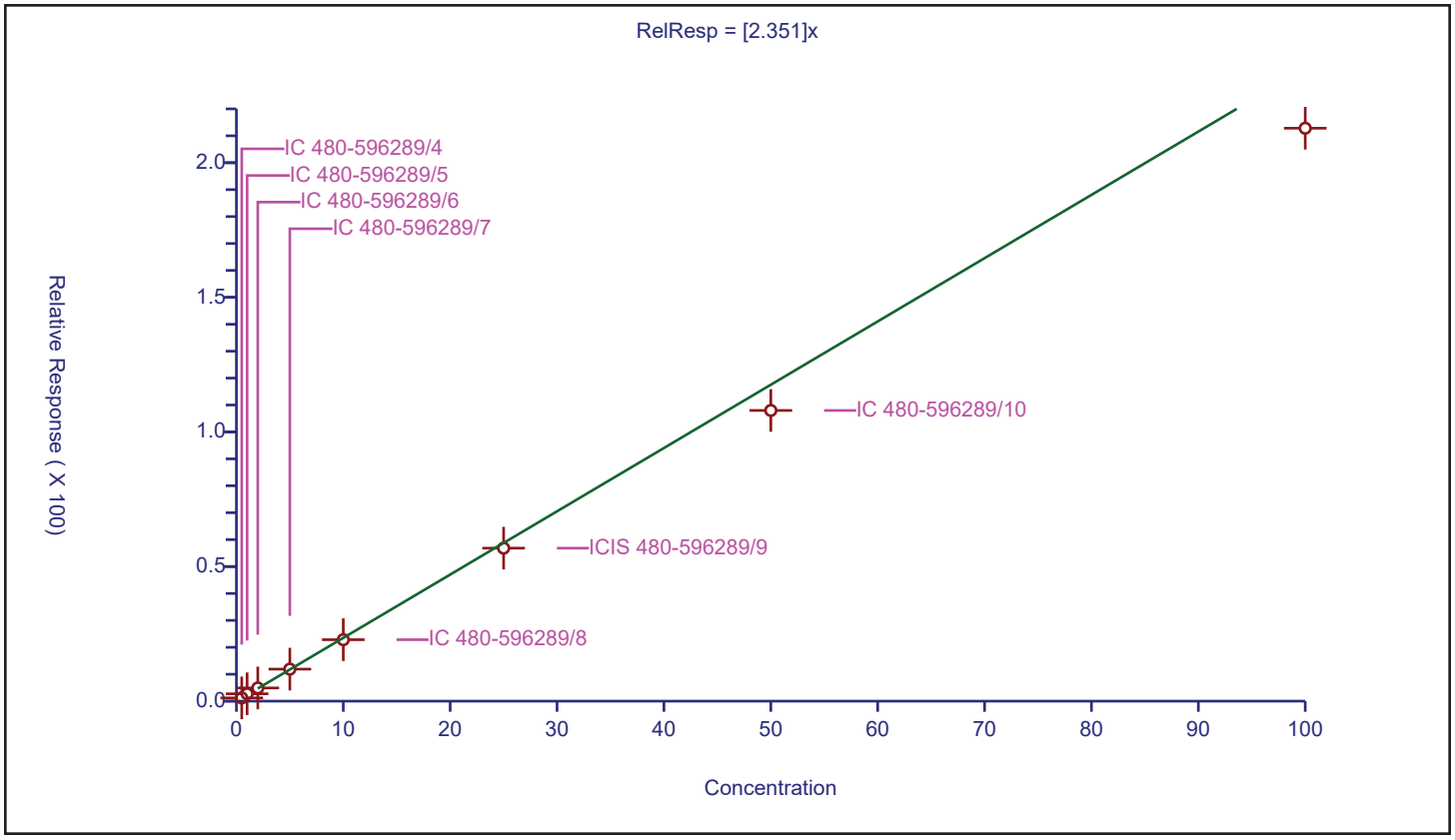
Curve Coefficients

Intercept:	0
Slope:	2.351

Error Coefficients

Standard Error:	640000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.198113	25.0	166804.0	2.396226	Y
2	IC 480-596289/5	1.0	2.737142	25.0	159409.0	2.737142	Y
3	IC 480-596289/6	2.0	4.897978	25.0	151634.0	2.448989	Y
4	IC 480-596289/7	5.0	11.897928	25.0	159574.0	2.379586	Y
5	IC 480-596289/8	10.0	22.824686	25.0	168309.0	2.282469	Y
6	ICIS 480-596289/9	25.0	56.83196	25.0	171221.0	2.273278	Y
7	IC 480-596289/10	50.0	107.983288	25.0	174549.0	2.159666	Y
8	IC 480-596289/11	100.0	212.818583	25.0	171070.0	2.128186	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

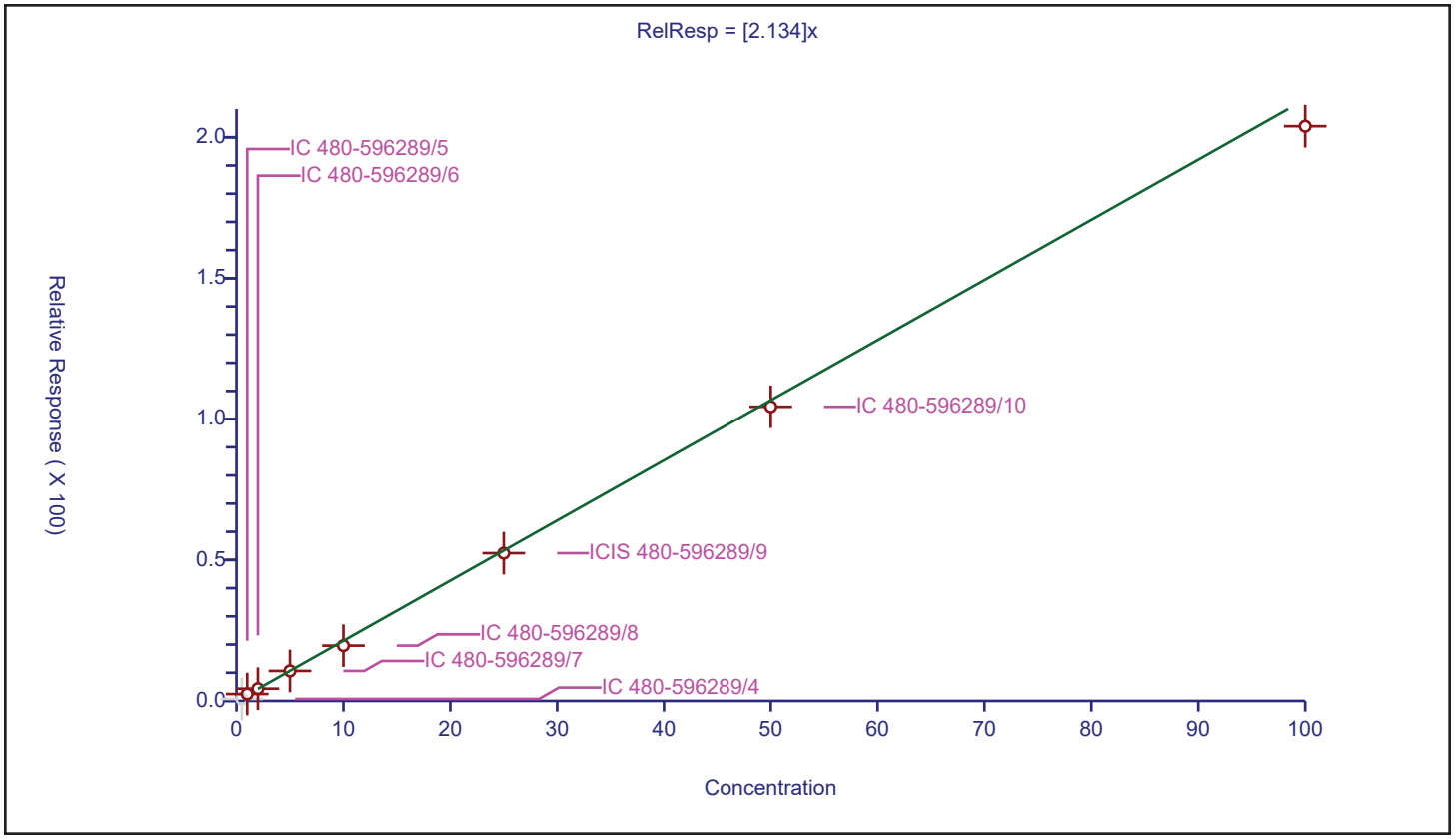
Curve Coefficients

Intercept:	0
Slope:	2.134

Error Coefficients

Standard Error:	662000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.710864	25.0	166804.0	1.421728	N
2	IC 480-596289/5	1.0	2.454222	25.0	159409.0	2.454222	Y
3	IC 480-596289/6	2.0	4.34698	25.0	151634.0	2.17349	Y
4	IC 480-596289/7	5.0	10.634878	25.0	159574.0	2.126976	Y
5	IC 480-596289/8	10.0	19.608726	25.0	168309.0	1.960873	Y
6	ICIS 480-596289/9	25.0	52.407999	25.0	171221.0	2.09632	Y
7	IC 480-596289/10	50.0	104.394325	25.0	174549.0	2.087886	Y
8	IC 480-596289/11	100.0	203.923686	25.0	171070.0	2.039237	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

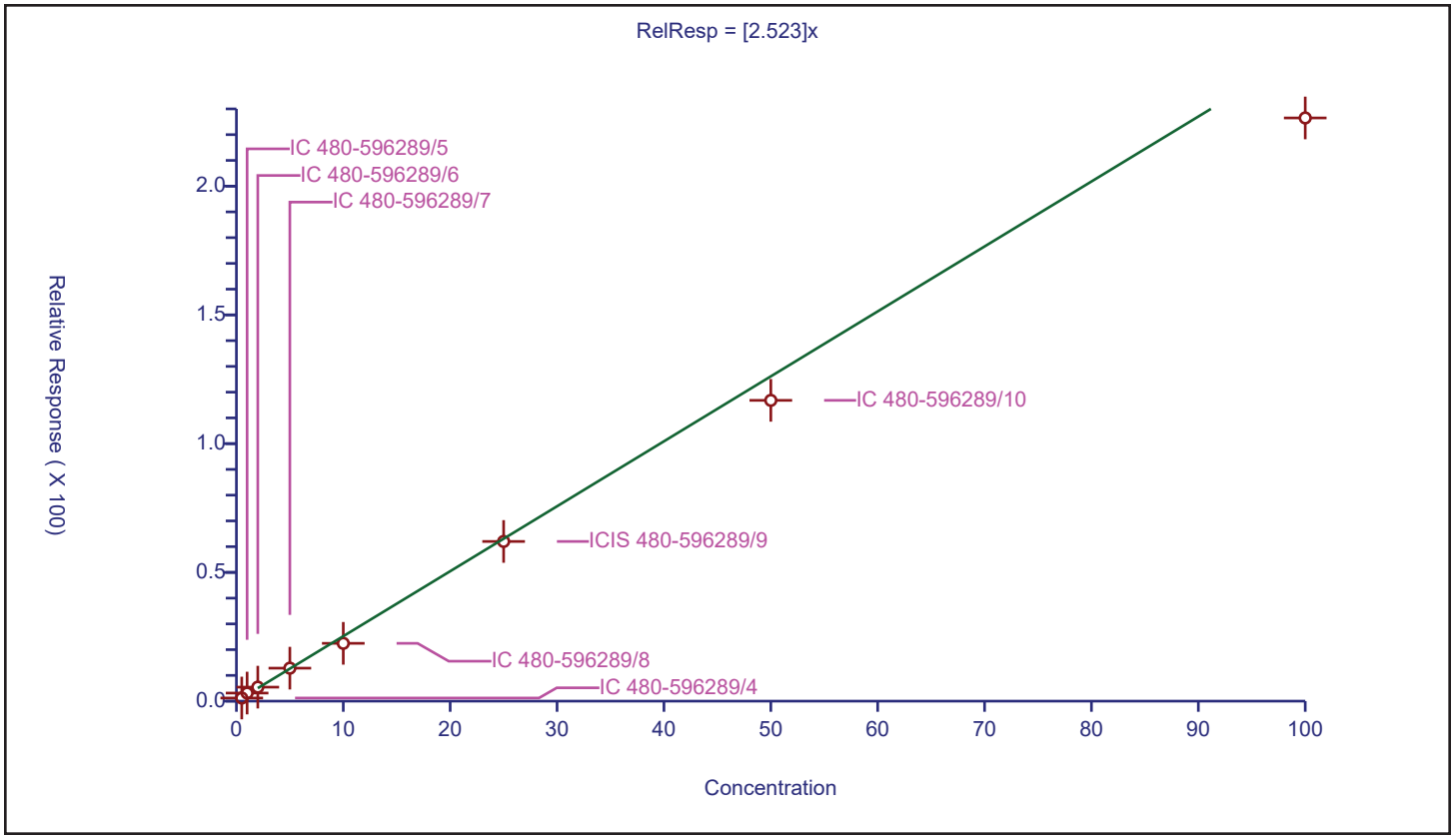
Curve Coefficients

Intercept:	0
Slope:	2.523

Error Coefficients

Standard Error:	684000
Relative Standard Error:	11.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.215948	25.0	166804.0	2.431896	Y
2	IC 480-596289/5	1.0	3.1438	25.0	159409.0	3.1438	Y
3	IC 480-596289/6	2.0	5.431829	25.0	151634.0	2.715915	Y
4	IC 480-596289/7	5.0	12.814274	25.0	159574.0	2.562855	Y
5	IC 480-596289/8	10.0	22.445918	25.0	168309.0	2.244592	Y
6	ICIS 480-596289/9	25.0	62.012107	25.0	171221.0	2.480484	Y
7	IC 480-596289/10	50.0	116.807458	25.0	174549.0	2.336149	Y
8	IC 480-596289/11	100.0	226.483311	25.0	171070.0	2.264833	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

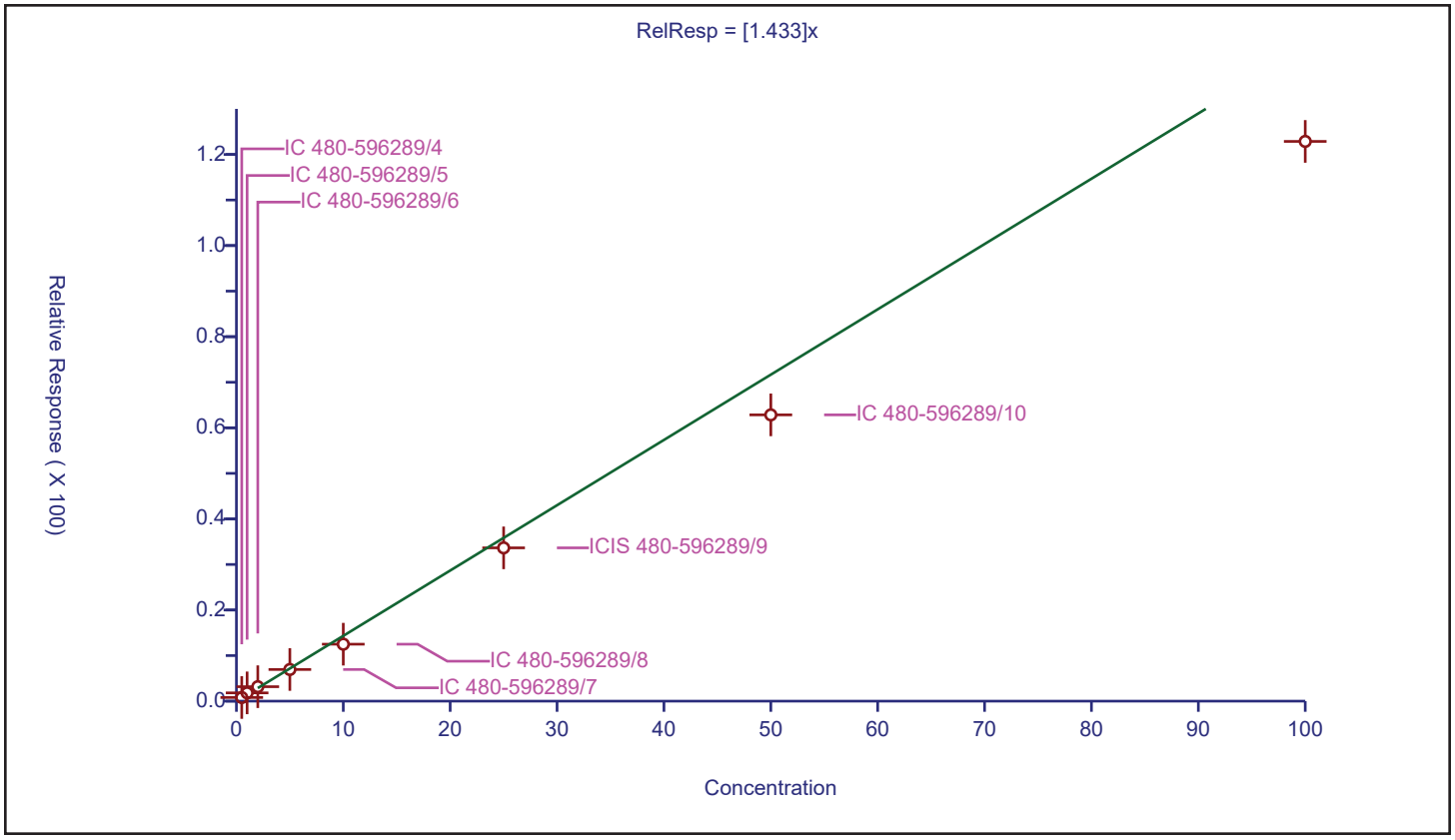
Curve Coefficients

Intercept:	0
Slope:	1.433

Error Coefficients

Standard Error:	371000
Relative Standard Error:	14.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.797043	25.0	166804.0	1.594086	Y
2	IC 480-596289/5	1.0	1.817181	25.0	159409.0	1.817181	Y
3	IC 480-596289/6	2.0	3.169144	25.0	151634.0	1.584572	Y
4	IC 480-596289/7	5.0	6.94568	25.0	159574.0	1.389136	Y
5	IC 480-596289/8	10.0	12.502599	25.0	168309.0	1.25026	Y
6	ICIS 480-596289/9	25.0	33.650808	25.0	171221.0	1.346032	Y
7	IC 480-596289/10	50.0	62.837799	25.0	174549.0	1.256756	Y
8	IC 480-596289/11	100.0	122.860379	25.0	171070.0	1.228604	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

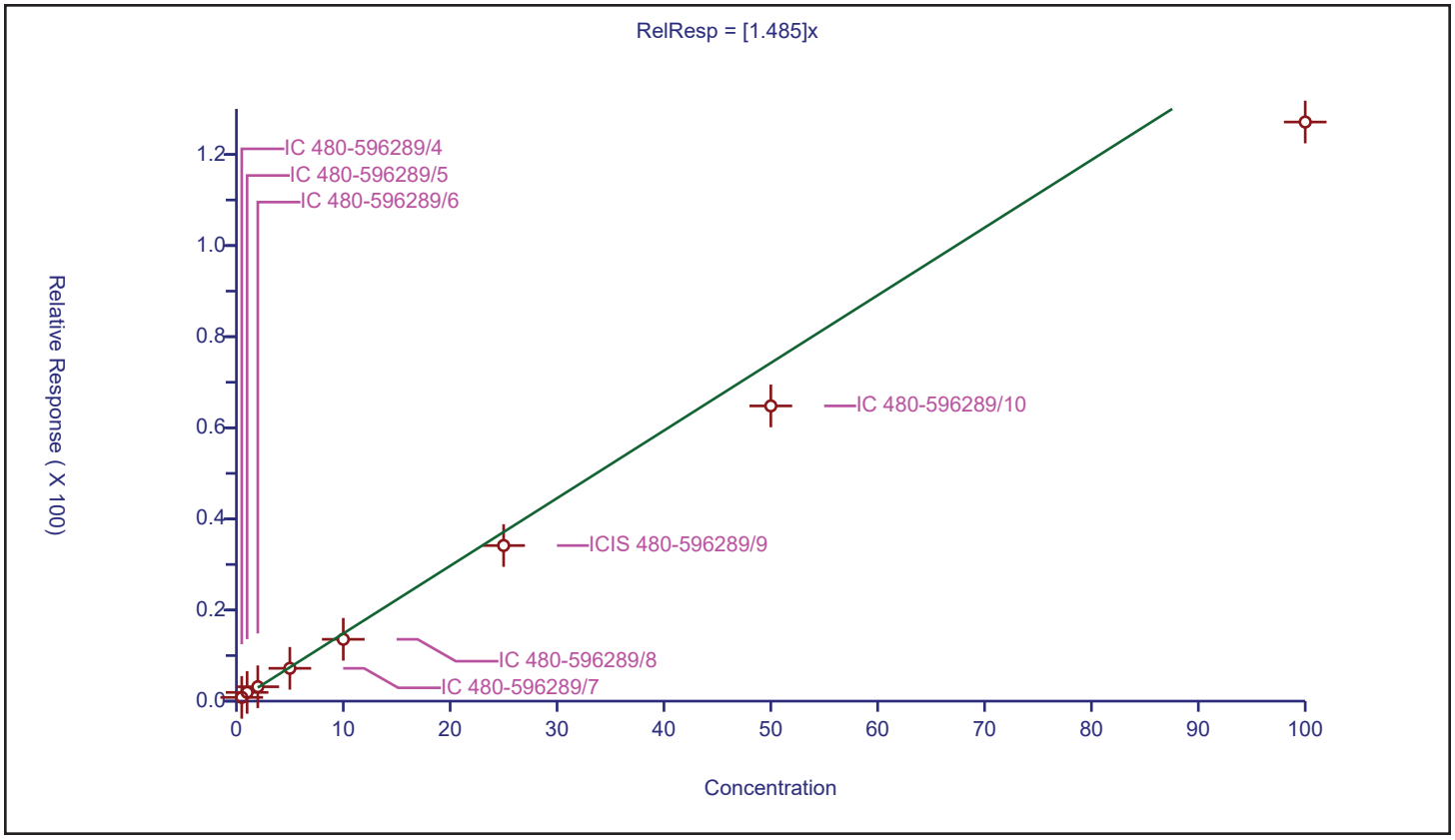
Curve Coefficients

Intercept:	0
Slope:	1.485

Error Coefficients

Standard Error:	383000
Relative Standard Error:	14.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.822222	25.0	166804.0	1.644445	Y
2	IC 480-596289/5	1.0	1.920531	25.0	159409.0	1.920531	Y
3	IC 480-596289/6	2.0	3.16156	25.0	151634.0	1.58078	Y
4	IC 480-596289/7	5.0	7.206688	25.0	159574.0	1.441338	Y
5	IC 480-596289/8	10.0	13.574586	25.0	168309.0	1.357459	Y
6	ICIS 480-596289/9	25.0	34.158485	25.0	171221.0	1.366339	Y
7	IC 480-596289/10	50.0	64.800285	25.0	174549.0	1.296006	Y
8	IC 480-596289/11	100.0	127.115801	25.0	171070.0	1.271158	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

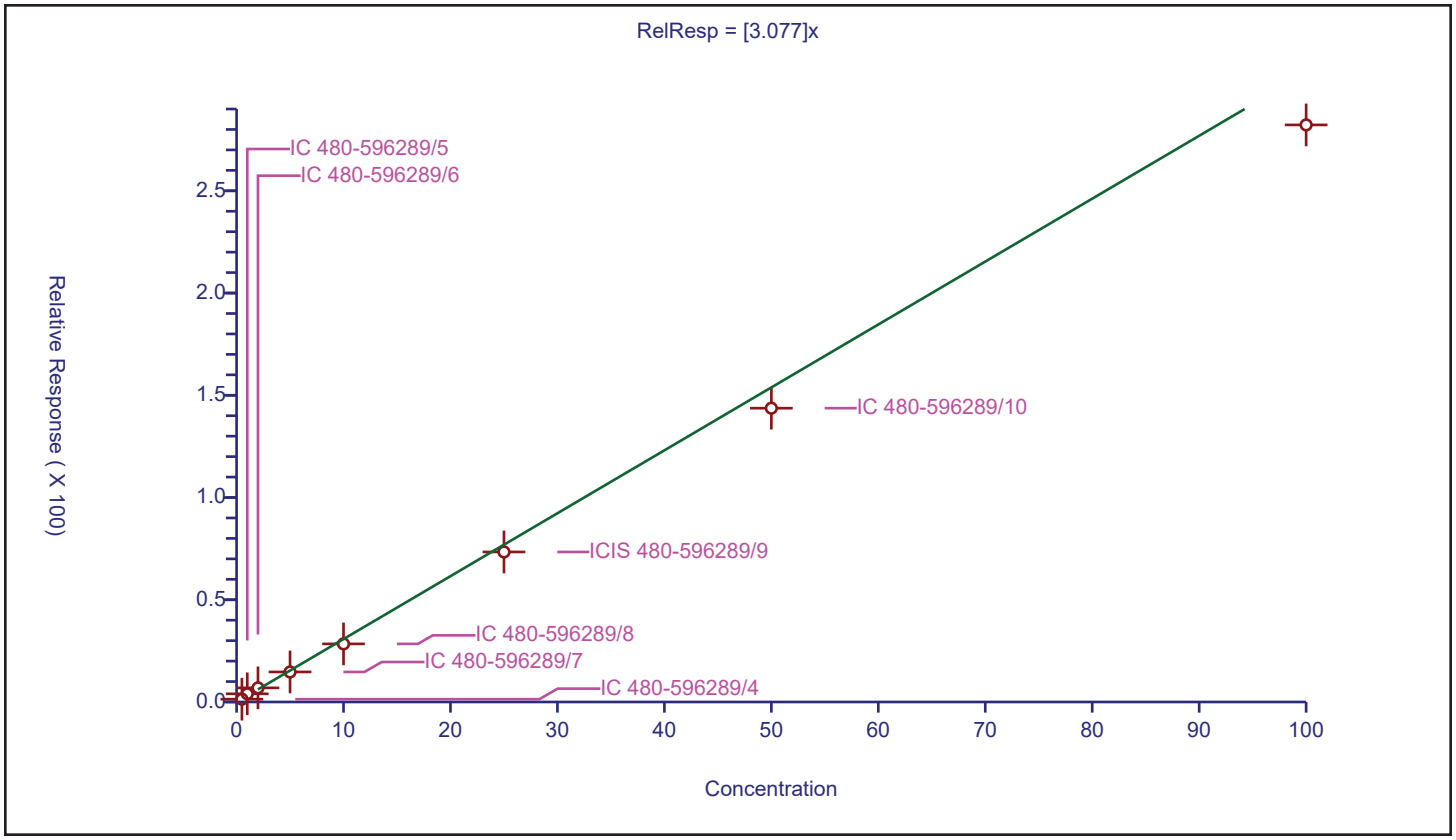
Curve Coefficients

Intercept:	0
Slope:	3.077

Error Coefficients

Standard Error:	848000
Relative Standard Error:	13.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.379463	25.0	166804.0	2.758927	Y
2	IC 480-596289/5	1.0	3.991305	25.0	159409.0	3.991305	Y
3	IC 480-596289/6	2.0	6.90973	25.0	151634.0	3.454865	Y
4	IC 480-596289/7	5.0	14.685193	25.0	159574.0	2.937039	Y
5	IC 480-596289/8	10.0	28.409206	25.0	168309.0	2.840921	Y
6	ICIS 480-596289/9	25.0	73.372425	25.0	171221.0	2.934897	Y
7	IC 480-596289/10	50.0	143.687732	25.0	174549.0	2.873755	Y
8	IC 480-596289/11	100.0	282.224966	25.0	171070.0	2.82225	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

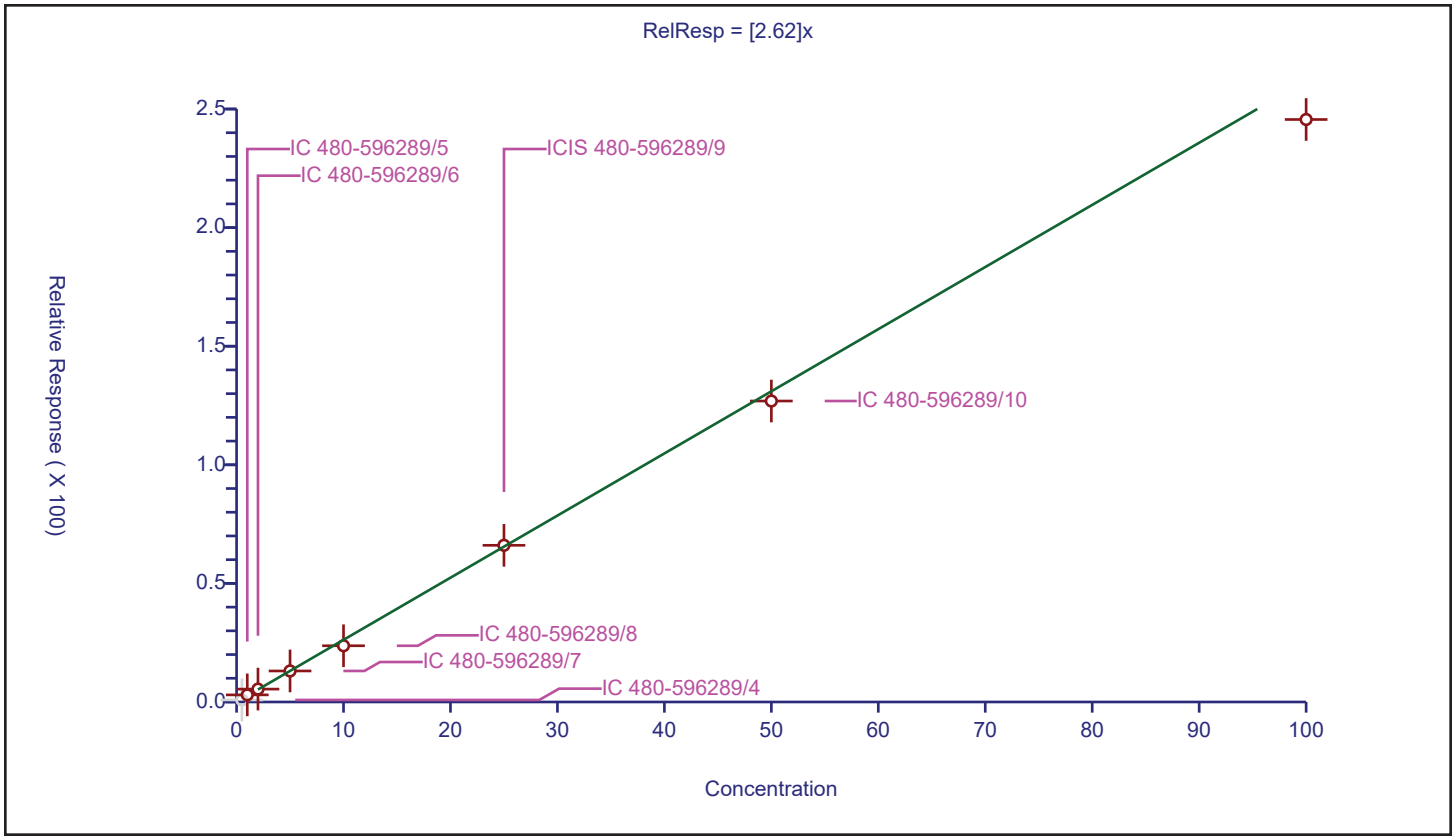
Curve Coefficients

Intercept:	0
Slope:	2.62

Error Coefficients

Standard Error:	801000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.855345	25.0	166804.0	1.71069	N
2	IC 480-596289/5	1.0	2.998262	25.0	159409.0	2.998262	Y
3	IC 480-596289/6	2.0	5.435292	25.0	151634.0	2.717646	Y
4	IC 480-596289/7	5.0	13.076535	25.0	159574.0	2.615307	Y
5	IC 480-596289/8	10.0	23.700159	25.0	168309.0	2.370016	Y
6	ICIS 480-596289/9	25.0	66.058486	25.0	171221.0	2.642339	Y
7	IC 480-596289/10	50.0	126.896316	25.0	174549.0	2.537926	Y
8	IC 480-596289/11	100.0	245.581487	25.0	171070.0	2.455815	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

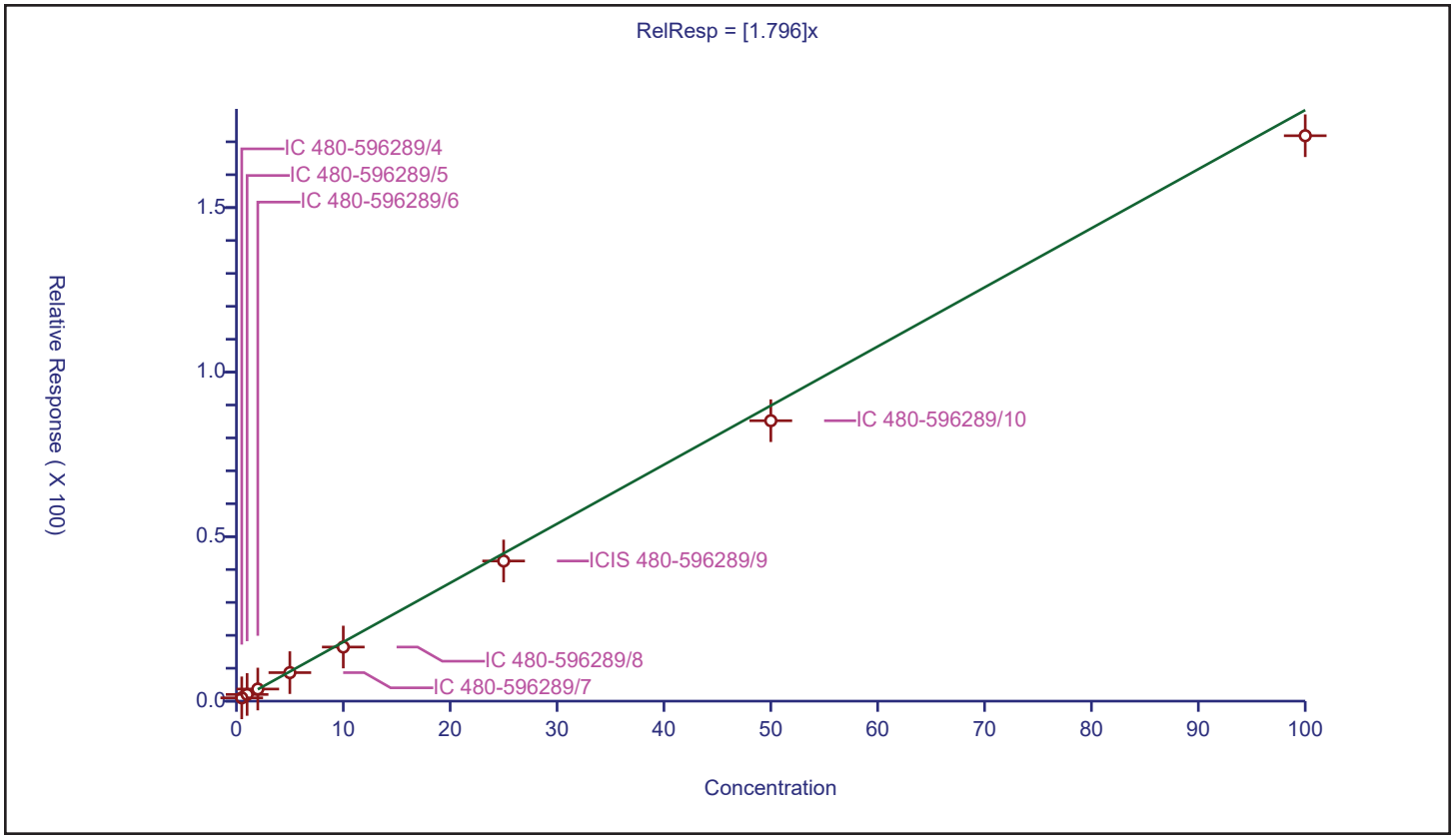
Curve Coefficients

Intercept:	0
Slope:	1.796

Error Coefficients

Standard Error:	512000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.996379	25.0	166804.0	1.992758	Y
2	IC 480-596289/5	1.0	2.033449	25.0	159409.0	2.033449	Y
3	IC 480-596289/6	2.0	3.681562	25.0	151634.0	1.840781	Y
4	IC 480-596289/7	5.0	8.664789	25.0	159574.0	1.732958	Y
5	IC 480-596289/8	10.0	16.447427	25.0	168309.0	1.644743	Y
6	ICIS 480-596289/9	25.0	42.598163	25.0	171221.0	1.703927	Y
7	IC 480-596289/10	50.0	85.233659	25.0	174549.0	1.704673	Y
8	IC 480-596289/11	100.0	171.852458	25.0	171070.0	1.718525	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

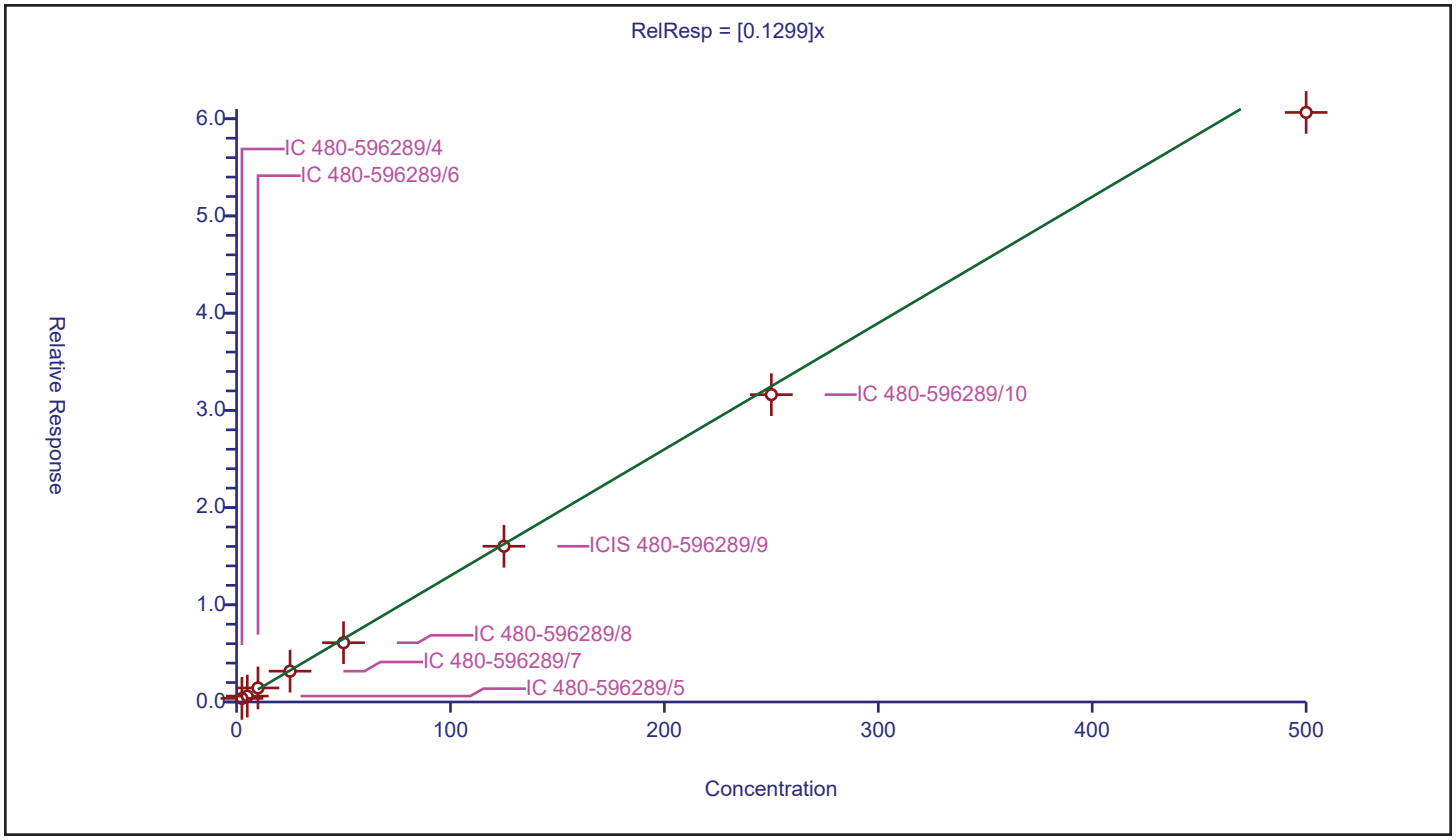
Curve Coefficients

Intercept:	0
Slope:	0.1299

Error Coefficients

Standard Error:	183000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	2.5	0.372743	25.0	166804.0	0.149097	Y
2	IC 480-596289/5	5.0	0.606302	25.0	159409.0	0.12126	Y
3	IC 480-596289/6	10.0	1.443937	25.0	151634.0	0.144394	Y
4	IC 480-596289/7	25.0	3.170316	25.0	159574.0	0.126813	Y
5	IC 480-596289/8	50.0	6.09801	25.0	168309.0	0.12196	Y
6	ICIS 480-596289/9	125.0	16.018333	25.0	171221.0	0.128147	Y
7	IC 480-596289/10	250.0	31.618056	25.0	174549.0	0.126472	Y
8	IC 480-596289/11	500.0	60.648273	25.0	171070.0	0.121297	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

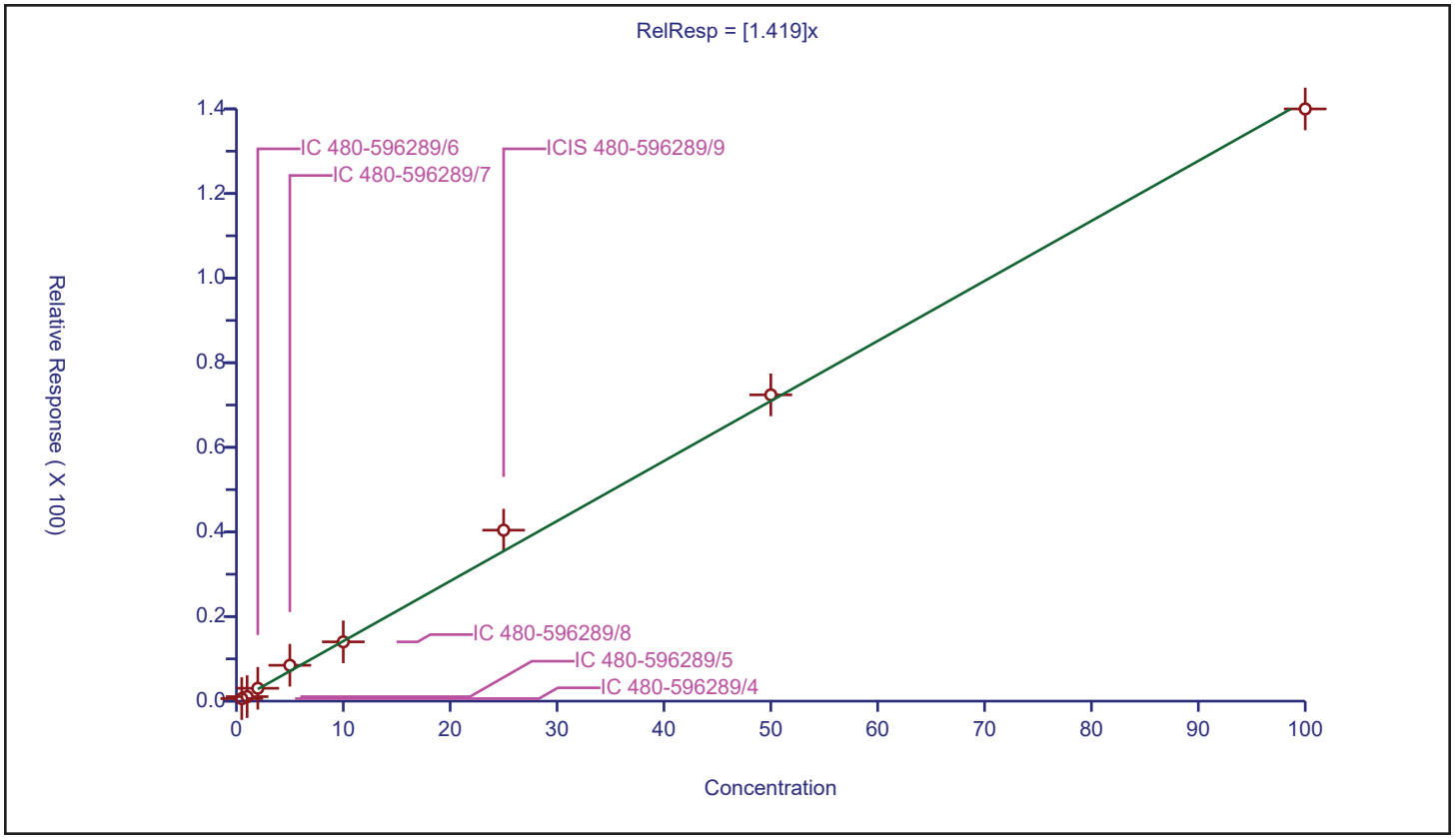
Curve Coefficients

Intercept:	0
Slope:	1.419

Error Coefficients

Standard Error:	425000
Relative Standard Error:	14.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.600855	25.0	166804.0	1.20171	Y
2	IC 480-596289/5	1.0	1.064871	25.0	159409.0	1.064871	Y
3	IC 480-596289/6	2.0	3.046151	25.0	151634.0	1.523075	Y
4	IC 480-596289/7	5.0	8.476475	25.0	159574.0	1.695295	Y
5	IC 480-596289/8	10.0	14.019749	25.0	168309.0	1.401975	Y
6	ICIS 480-596289/9	25.0	40.414727	25.0	171221.0	1.616589	Y
7	IC 480-596289/10	50.0	72.4056	25.0	174549.0	1.448112	Y
8	IC 480-596289/11	100.0	139.985678	25.0	171070.0	1.399857	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

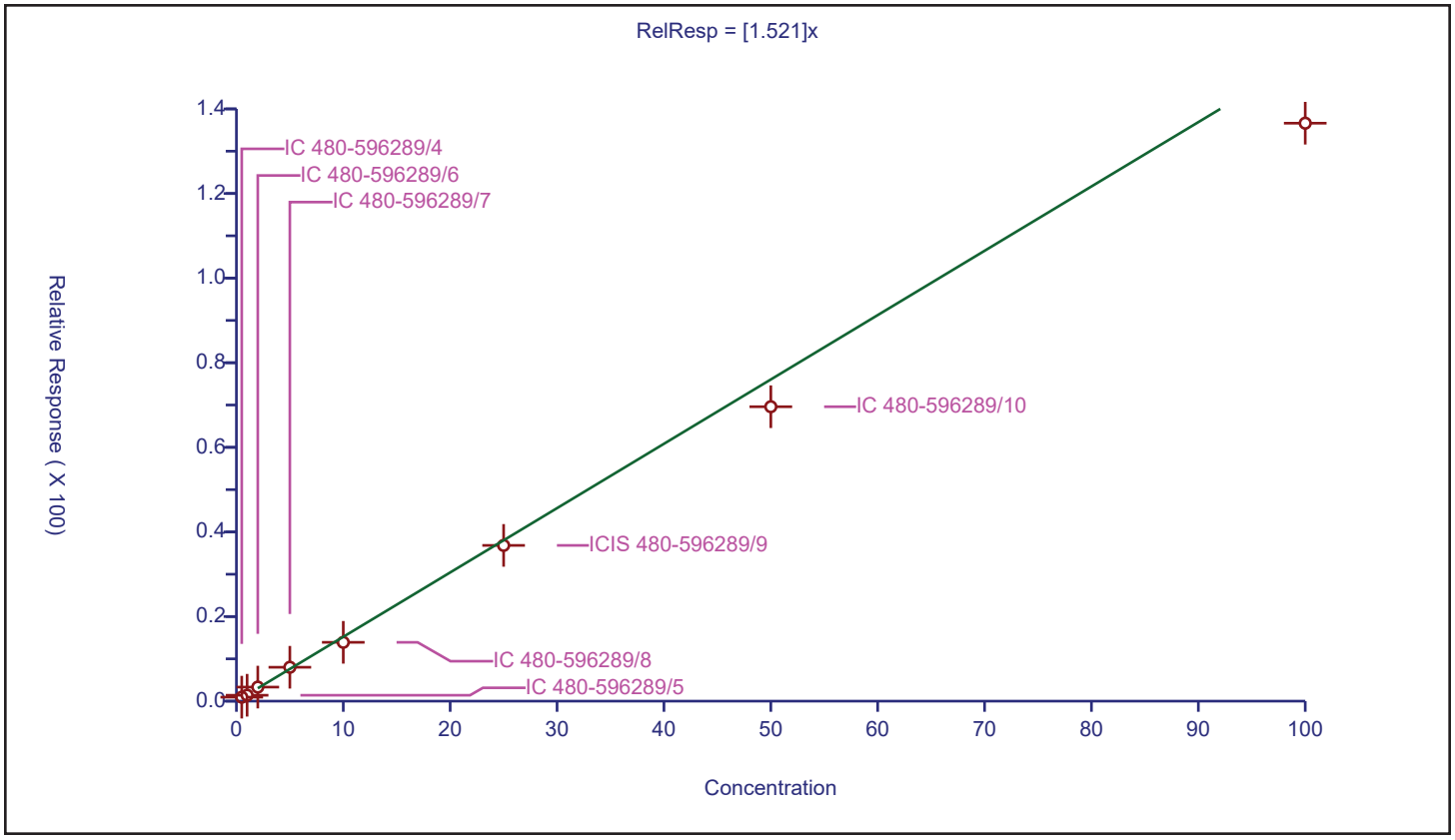
Curve Coefficients

Intercept:	0
Slope:	1.521

Error Coefficients

Standard Error:	411000
Relative Standard Error:	12.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.942573	25.0	166804.0	1.885147	Y
2	IC 480-596289/5	1.0	1.395937	25.0	159409.0	1.395937	Y
3	IC 480-596289/6	2.0	3.323463	25.0	151634.0	1.661732	Y
4	IC 480-596289/7	5.0	8.012897	25.0	159574.0	1.602579	Y
5	IC 480-596289/8	10.0	13.902851	25.0	168309.0	1.390285	Y
6	ICIS 480-596289/9	25.0	36.815432	25.0	171221.0	1.472617	Y
7	IC 480-596289/10	50.0	69.595787	25.0	174549.0	1.391916	Y
8	IC 480-596289/11	100.0	136.61659	25.0	171070.0	1.366166	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

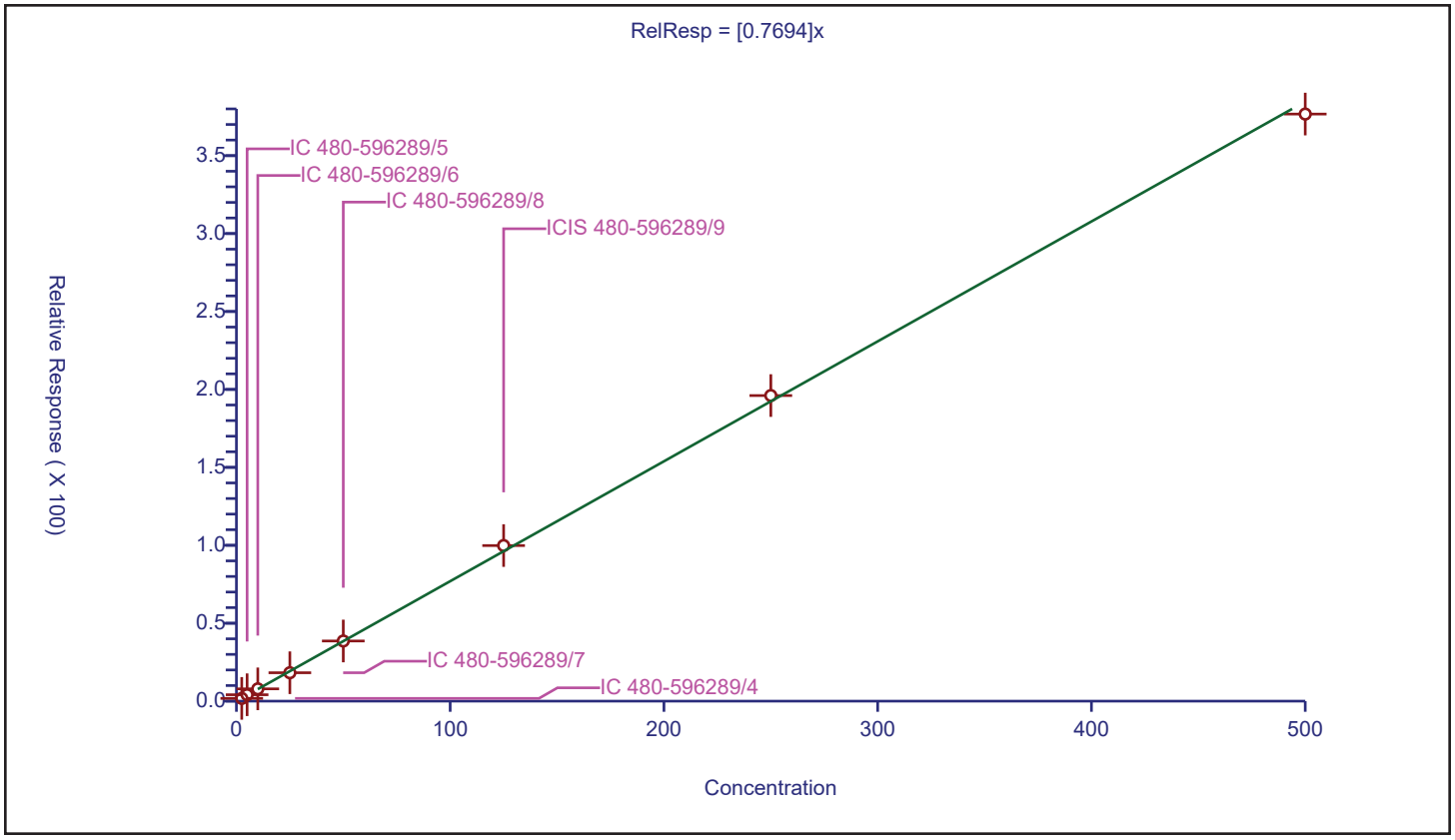
Curve Coefficients

Intercept:	0
Slope:	0.7694

Error Coefficients

Standard Error:	1140000
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 480-596289/4	2.5	1.768393	25.0	166804.0	0.707357	Y
2	IC 480-596289/5	5.0	4.112378	25.0	159409.0	0.822476	Y
3	IC 480-596289/6	10.0	7.881478	25.0	151634.0	0.788148	Y
4	IC 480-596289/7	25.0	18.227123	25.0	159574.0	0.729085	Y
5	IC 480-596289/8	50.0	38.598946	25.0	168309.0	0.771979	Y
6	ICIS 480-596289/9	125.0	99.828292	25.0	171221.0	0.798626	Y
7	IC 480-596289/10	250.0	196.077606	25.0	174549.0	0.78431	Y
8	IC 480-596289/11	500.0	376.686152	25.0	171070.0	0.753372	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

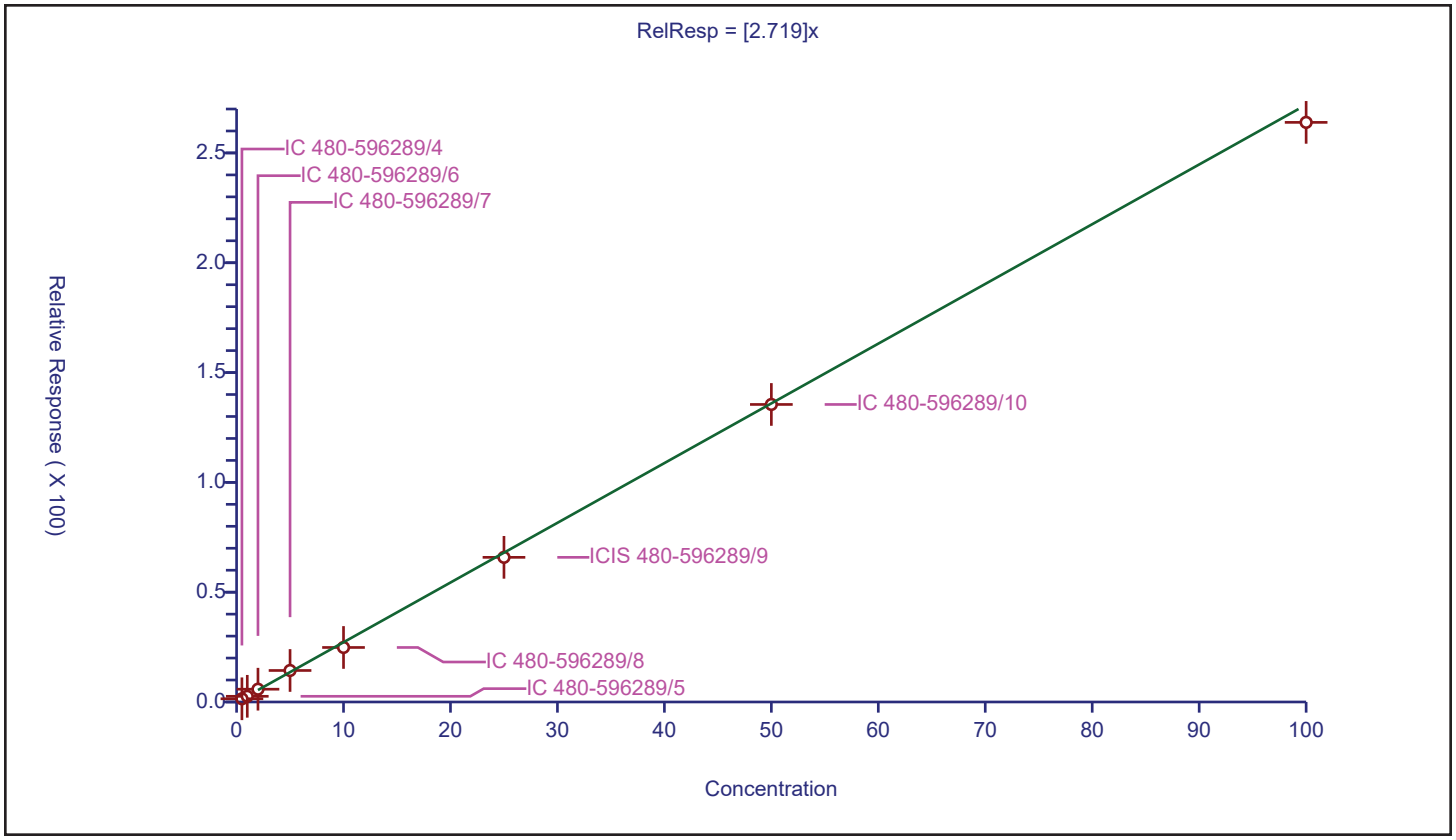
Curve Coefficients

Intercept:	0
Slope:	2.719

Error Coefficients

Standard Error:	792000
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 480-596289/4	0.5	1.459497	25.0	166804.0	2.918995	Y
2	IC 480-596289/5	1.0	2.588624	25.0	159409.0	2.588624	Y
3	IC 480-596289/6	2.0	5.821748	25.0	151634.0	2.910874	Y
4	IC 480-596289/7	5.0	14.349769	25.0	159574.0	2.869954	Y
5	IC 480-596289/8	10.0	24.828589	25.0	168309.0	2.482859	Y
6	ICIS 480-596289/9	25.0	65.867213	25.0	171221.0	2.634689	Y
7	IC 480-596289/10	50.0	135.471988	25.0	174549.0	2.70944	Y
8	IC 480-596289/11	100.0	263.911118	25.0	171070.0	2.639111	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

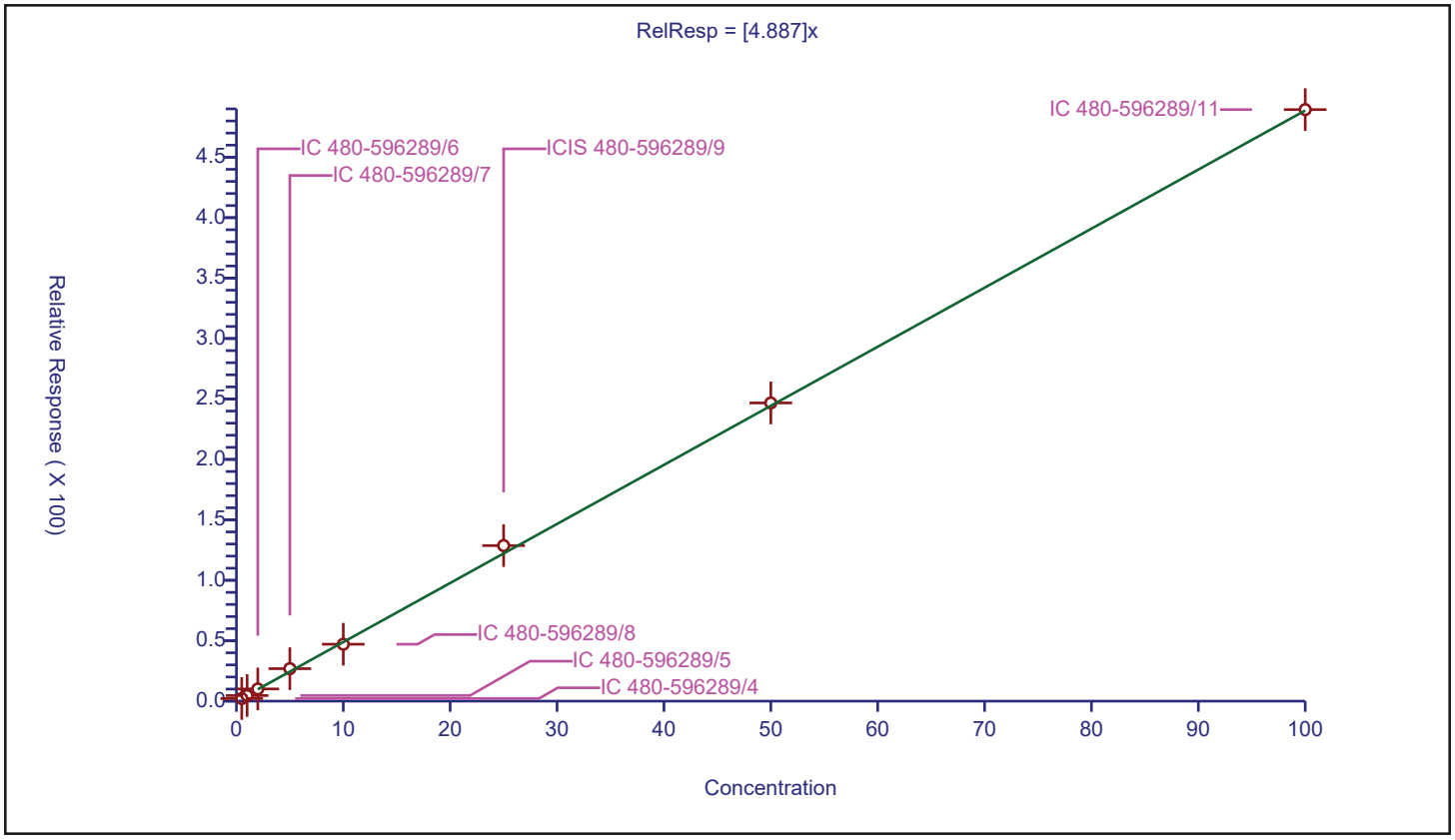
Curve Coefficients

Intercept:	0
Slope:	4.887

Error Coefficients

Standard Error:	1470000
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 480-596289/4	0.5	2.177706	25.0	166804.0	4.355411	Y
2	IC 480-596289/5	1.0	4.631012	25.0	159409.0	4.631012	Y
3	IC 480-596289/6	2.0	10.094042	25.0	151634.0	5.047021	Y
4	IC 480-596289/7	5.0	26.865435	25.0	159574.0	5.373087	Y
5	IC 480-596289/8	10.0	47.095075	25.0	168309.0	4.709508	Y
6	ICIS 480-596289/9	25.0	128.701211	25.0	171221.0	5.148048	Y
7	IC 480-596289/10	50.0	246.719546	25.0	174549.0	4.934391	Y
8	IC 480-596289/11	100.0	489.408429	25.0	171070.0	4.894084	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

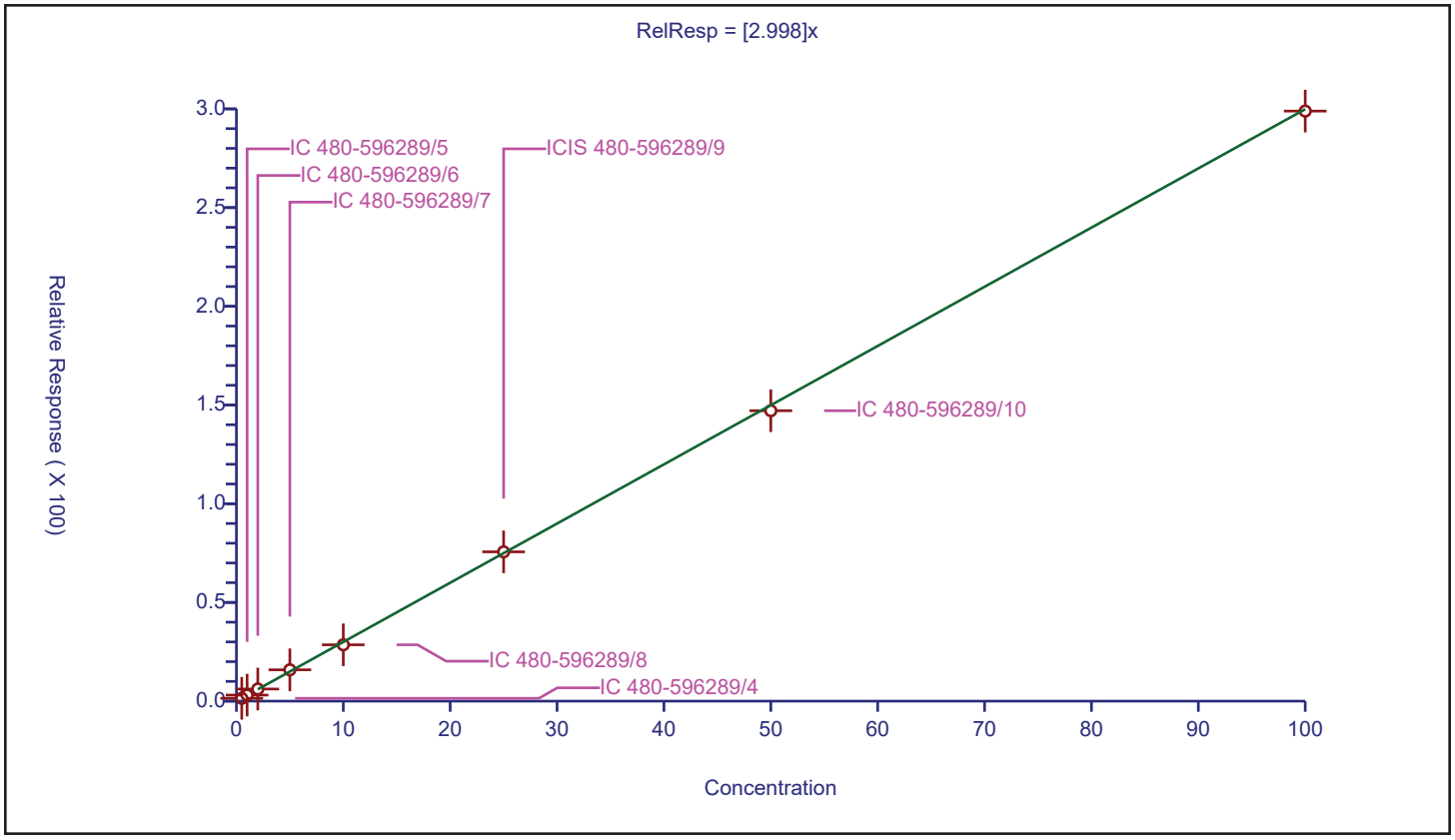
Curve Coefficients

Intercept:	0
Slope:	2.998

Error Coefficients

Standard Error:	891000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.434468	25.0	166804.0	2.868936	Y
2	IC 480-596289/5	1.0	3.063503	25.0	159409.0	3.063503	Y
3	IC 480-596289/6	2.0	6.141927	25.0	151634.0	3.070964	Y
4	IC 480-596289/7	5.0	15.865837	25.0	159574.0	3.173167	Y
5	IC 480-596289/8	10.0	28.546156	25.0	168309.0	2.854616	Y
6	ICIS 480-596289/9	25.0	75.622879	25.0	171221.0	3.024915	Y
7	IC 480-596289/10	50.0	147.117285	25.0	174549.0	2.942346	Y
8	IC 480-596289/11	100.0	298.892705	25.0	171070.0	2.988927	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

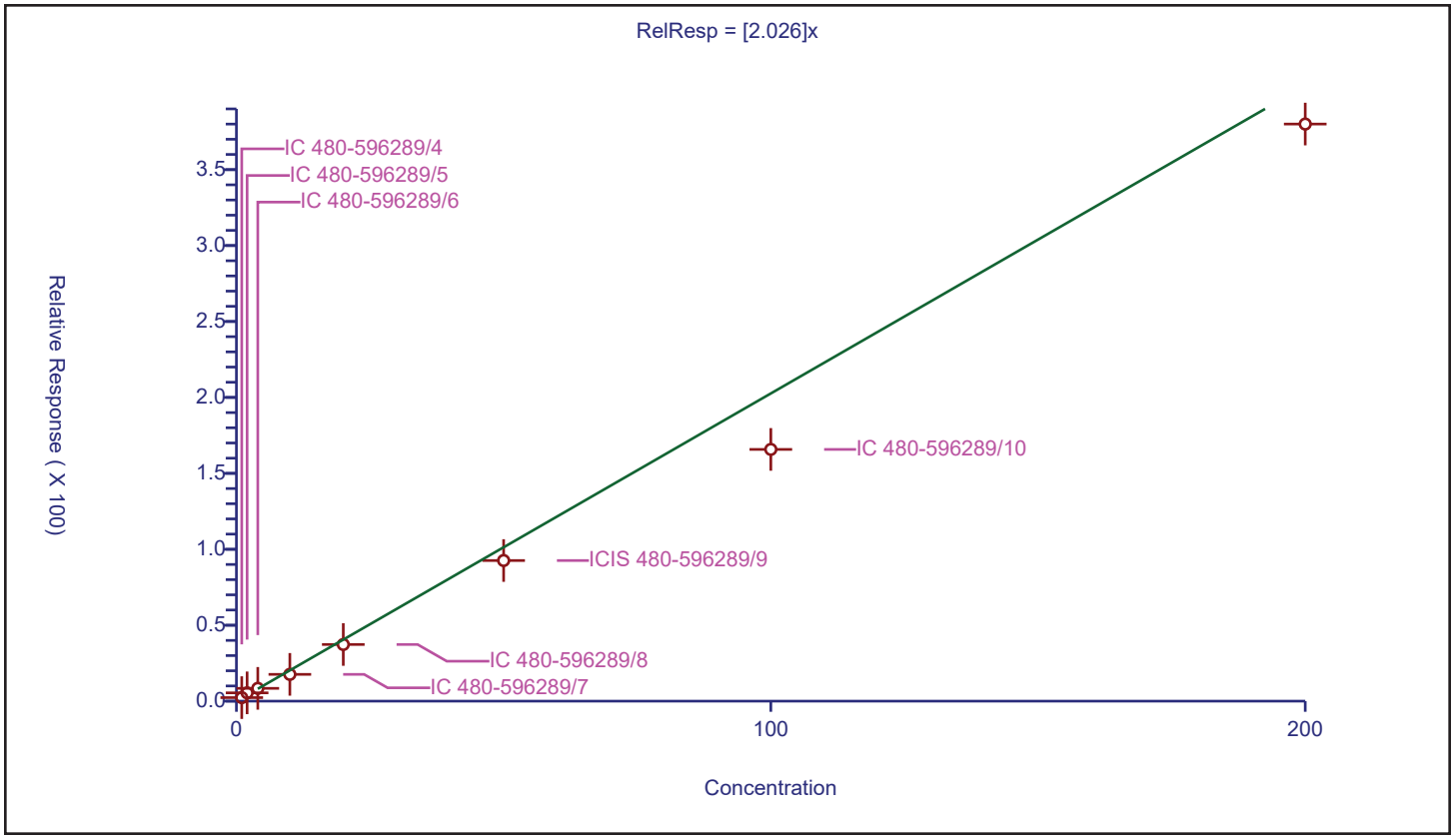
Curve Coefficients

Intercept:	0
Slope:	2.026

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	17.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	1.0	2.32998	25.0	166804.0	2.32998	Y
2	IC 480-596289/5	2.0	5.461423	25.0	159409.0	2.730712	Y
3	IC 480-596289/6	4.0	8.435278	25.0	151634.0	2.10882	Y
4	IC 480-596289/7	10.0	17.636645	25.0	159574.0	1.763665	Y
5	IC 480-596289/8	20.0	37.319603	25.0	168309.0	1.86598	Y
6	ICIS 480-596289/9	50.0	92.601083	25.0	171221.0	1.852022	Y
7	IC 480-596289/10	100.0	165.768924	25.0	174549.0	1.657689	Y
8	IC 480-596289/11	200.0	380.019583	25.0	171070.0	1.900098	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

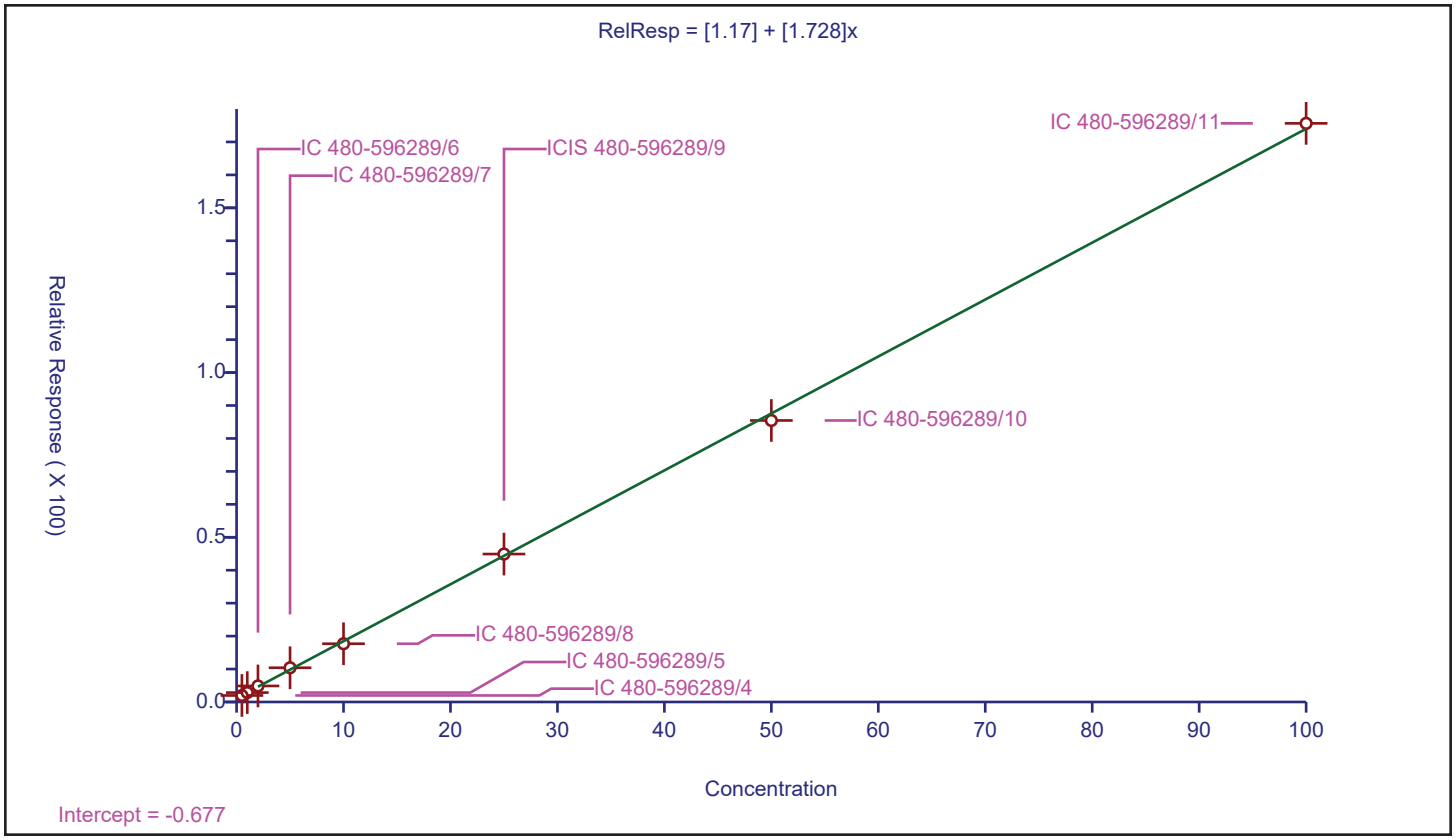
Curve Coefficients

Intercept:	1.17
Slope:	1.728

Error Coefficients

Standard Error:	565000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.975822	25.0	166804.0	3.951644	Y
2	IC 480-596289/5	1.0	2.856959	25.0	159409.0	2.856959	Y
3	IC 480-596289/6	2.0	4.870774	25.0	151634.0	2.435387	Y
4	IC 480-596289/7	5.0	10.392044	25.0	159574.0	2.078409	Y
5	IC 480-596289/8	10.0	17.684289	25.0	168309.0	1.768429	Y
6	ICIS 480-596289/9	25.0	44.907897	25.0	171221.0	1.796316	Y
7	IC 480-596289/10	50.0	85.448785	25.0	174549.0	1.708976	Y
8	IC 480-596289/11	100.0	175.647542	25.0	171070.0	1.756475	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

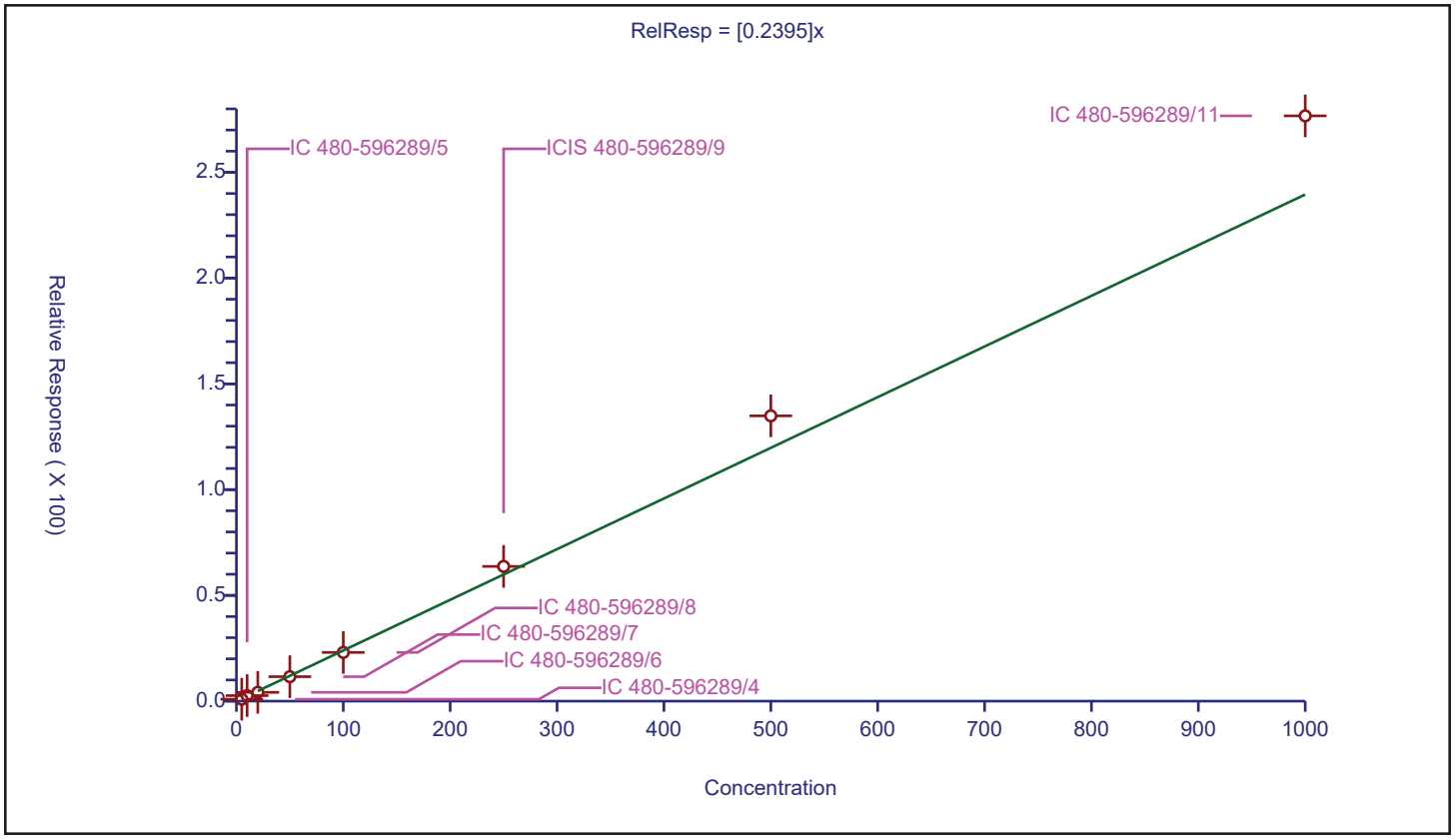
Curve Coefficients

Intercept:	0
Slope:	0.2395

Error Coefficients

Standard Error:	819000
Relative Standard Error:	13.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	5.0	0.913048	25.0	166804.0	0.18261	Y
2	IC 480-596289/5	10.0	2.6294	25.0	159409.0	0.26294	Y
3	IC 480-596289/6	20.0	4.156719	25.0	151634.0	0.207836	Y
4	IC 480-596289/7	50.0	11.561407	25.0	159574.0	0.231228	Y
5	IC 480-596289/8	100.0	23.031597	25.0	168309.0	0.230316	Y
6	ICIS 480-596289/9	250.0	63.698816	25.0	171221.0	0.254795	Y
7	IC 480-596289/10	500.0	134.87631	25.0	174549.0	0.269753	Y
8	IC 480-596289/11	1000.0	276.702081	25.0	171070.0	0.276702	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

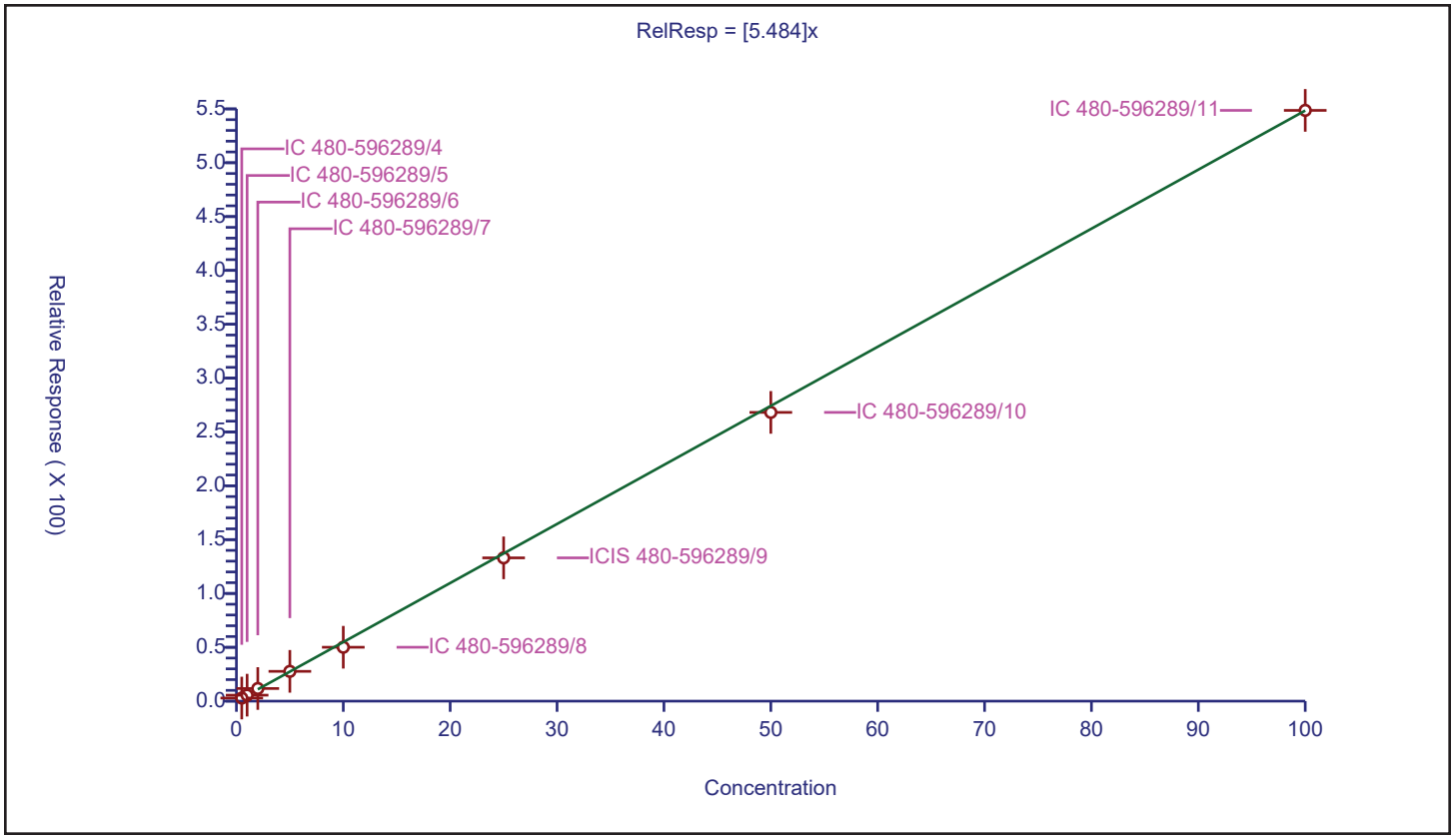
Curve Coefficients

Intercept:	0
Slope:	5.484

Error Coefficients

Standard Error:	1630000
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 480-596289/4	0.5	2.877929	25.0	166804.0	5.755857	Y
2	IC 480-596289/5	1.0	5.543288	25.0	159409.0	5.543288	Y
3	IC 480-596289/6	2.0	11.726757	25.0	151634.0	5.863378	Y
4	IC 480-596289/7	5.0	27.674308	25.0	159574.0	5.534862	Y
5	IC 480-596289/8	10.0	50.055107	25.0	168309.0	5.005511	Y
6	ICIS 480-596289/9	25.0	133.065453	25.0	171221.0	5.322618	Y
7	IC 480-596289/10	50.0	268.153498	25.0	174549.0	5.36307	Y
8	IC 480-596289/11	100.0	548.620009	25.0	171070.0	5.4862	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

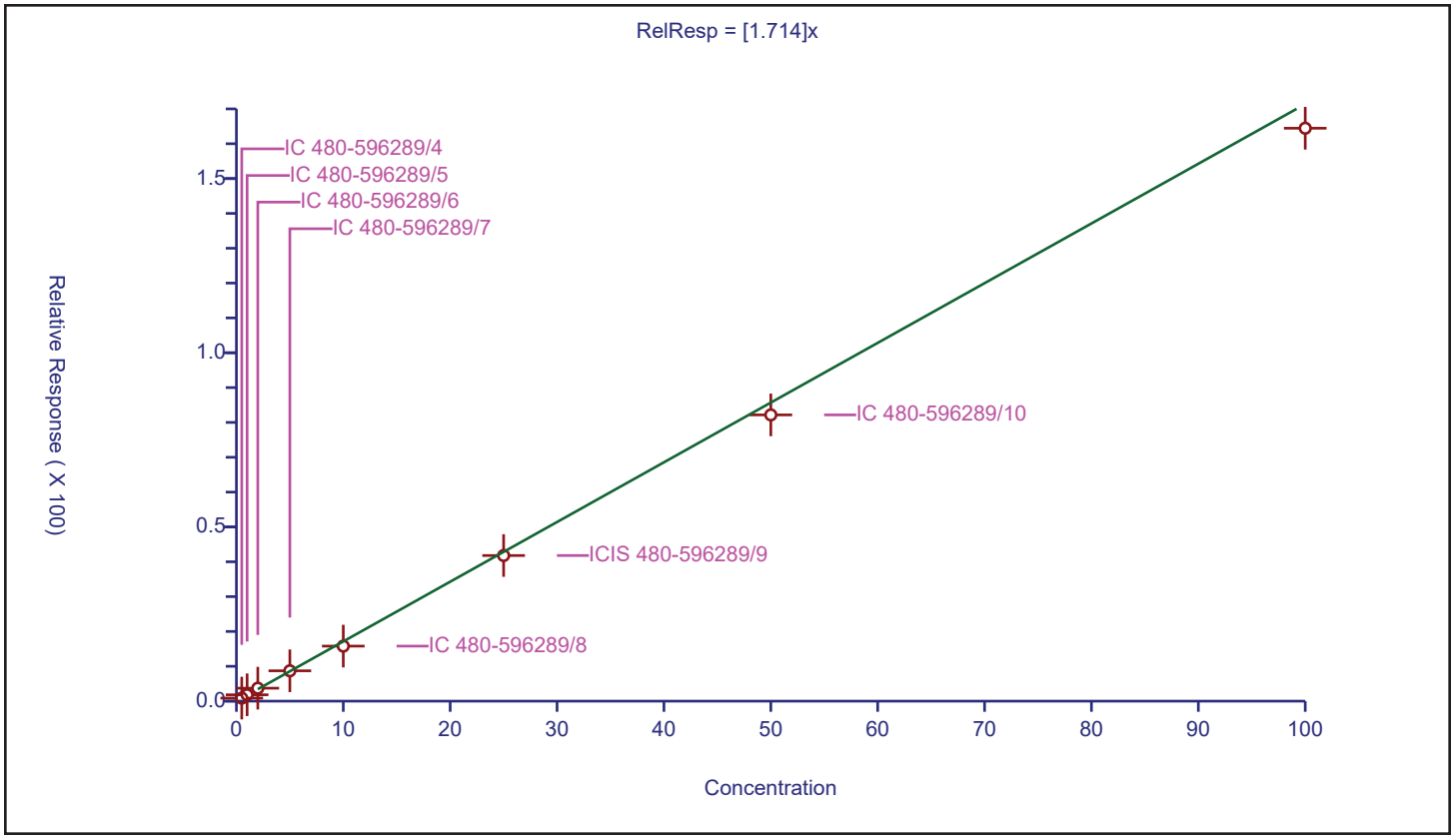
Curve Coefficients

Intercept:	0
Slope:	1.714

Error Coefficients

Standard Error:	492000
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 480-596289/4	0.5	0.871682	25.0	166804.0	1.743363	Y
2	IC 480-596289/5	1.0	1.825336	25.0	159409.0	1.825336	Y
3	IC 480-596289/6	2.0	3.721296	25.0	151634.0	1.860648	Y
4	IC 480-596289/7	5.0	8.708969	25.0	159574.0	1.741794	Y
5	IC 480-596289/8	10.0	15.801888	25.0	168309.0	1.580189	Y
6	ICIS 480-596289/9	25.0	41.798611	25.0	171221.0	1.671944	Y
7	IC 480-596289/10	50.0	82.166469	25.0	174549.0	1.643329	Y
8	IC 480-596289/11	100.0	164.447448	25.0	171070.0	1.644474	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

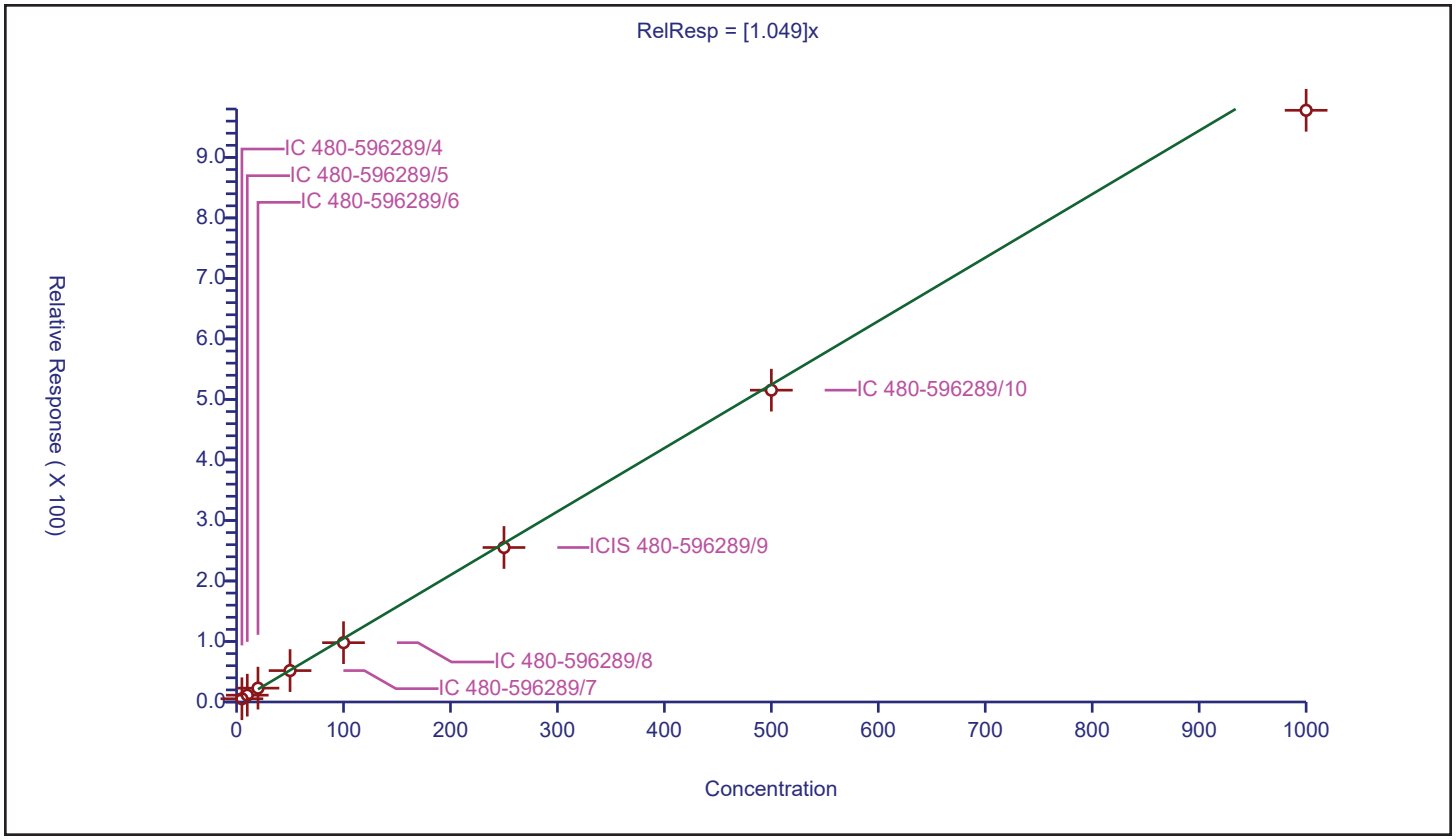
Curve Coefficients

Intercept:	0
Slope:	1.049

Error Coefficients

Standard Error:	2960000
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	IC 480-596289/4	5.0	5.355537	25.0	166804.0	1.071107	Y
2	IC 480-596289/5	10.0	11.278535	25.0	159409.0	1.127854	Y
3	IC 480-596289/6	20.0	22.906967	25.0	151634.0	1.145348	Y
4	IC 480-596289/7	50.0	51.899746	25.0	159574.0	1.037995	Y
5	IC 480-596289/8	100.0	98.059521	25.0	168309.0	0.980595	Y
6	ICIS 480-596289/9	250.0	255.348351	25.0	171221.0	1.021393	Y
7	IC 480-596289/10	500.0	515.342397	25.0	174549.0	1.030685	Y
8	IC 480-596289/11	1000.0	977.89516	25.0	171070.0	0.977895	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

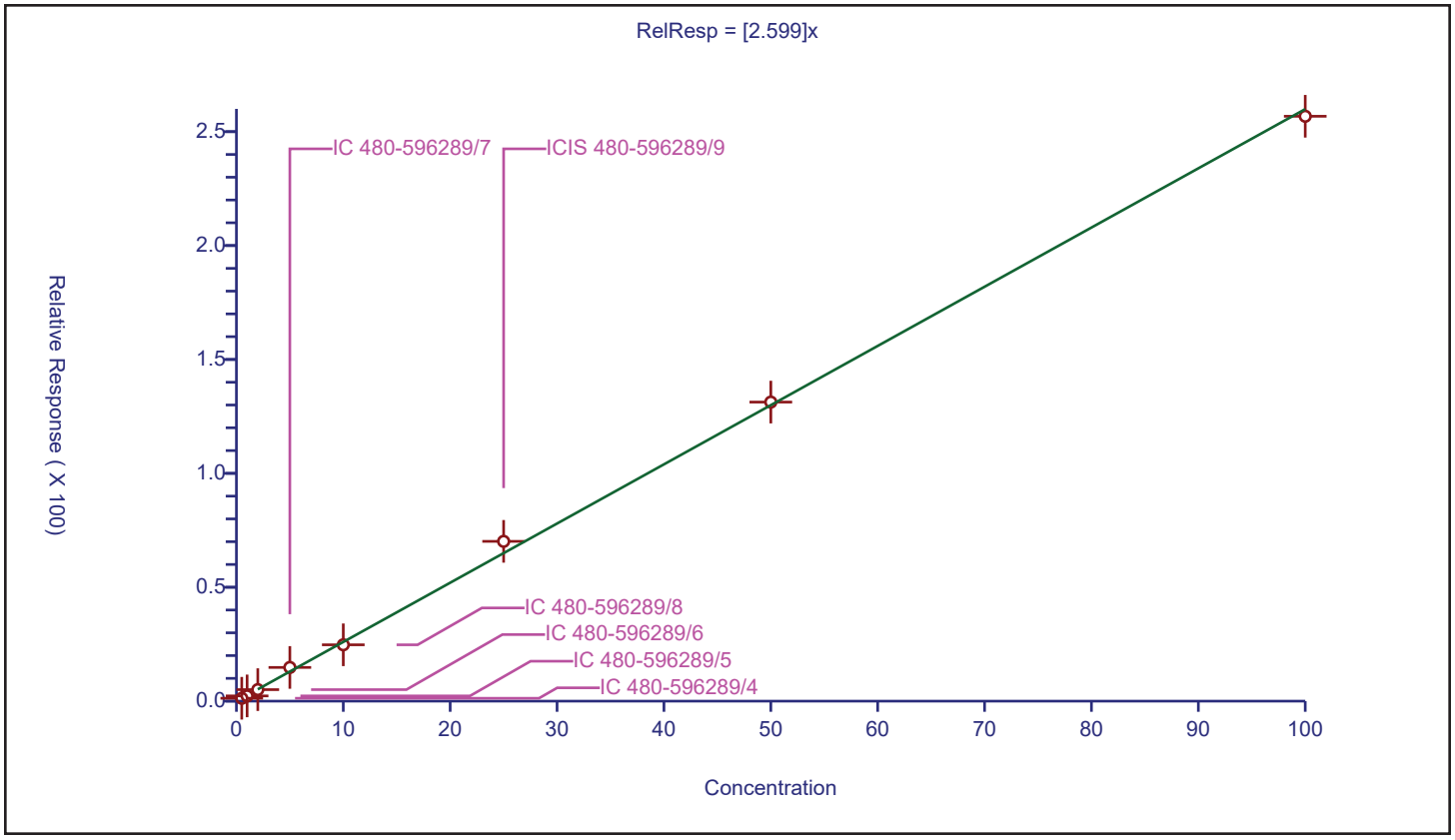
Curve Coefficients

Intercept:	0
Slope:	2.599

Error Coefficients

Standard Error:	774000
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 480-596289/4	0.5	1.268105	25.0	166804.0	2.53621	Y
2	IC 480-596289/5	1.0	2.291903	25.0	159409.0	2.291903	Y
3	IC 480-596289/6	2.0	5.061365	25.0	151634.0	2.530682	Y
4	IC 480-596289/7	5.0	14.795957	25.0	159574.0	2.959191	Y
5	IC 480-596289/8	10.0	24.735308	25.0	168309.0	2.473531	Y
6	ICIS 480-596289/9	25.0	70.153194	25.0	171221.0	2.806128	Y
7	IC 480-596289/10	50.0	131.285484	25.0	174549.0	2.62571	Y
8	IC 480-596289/11	100.0	256.76156	25.0	171070.0	2.567616	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

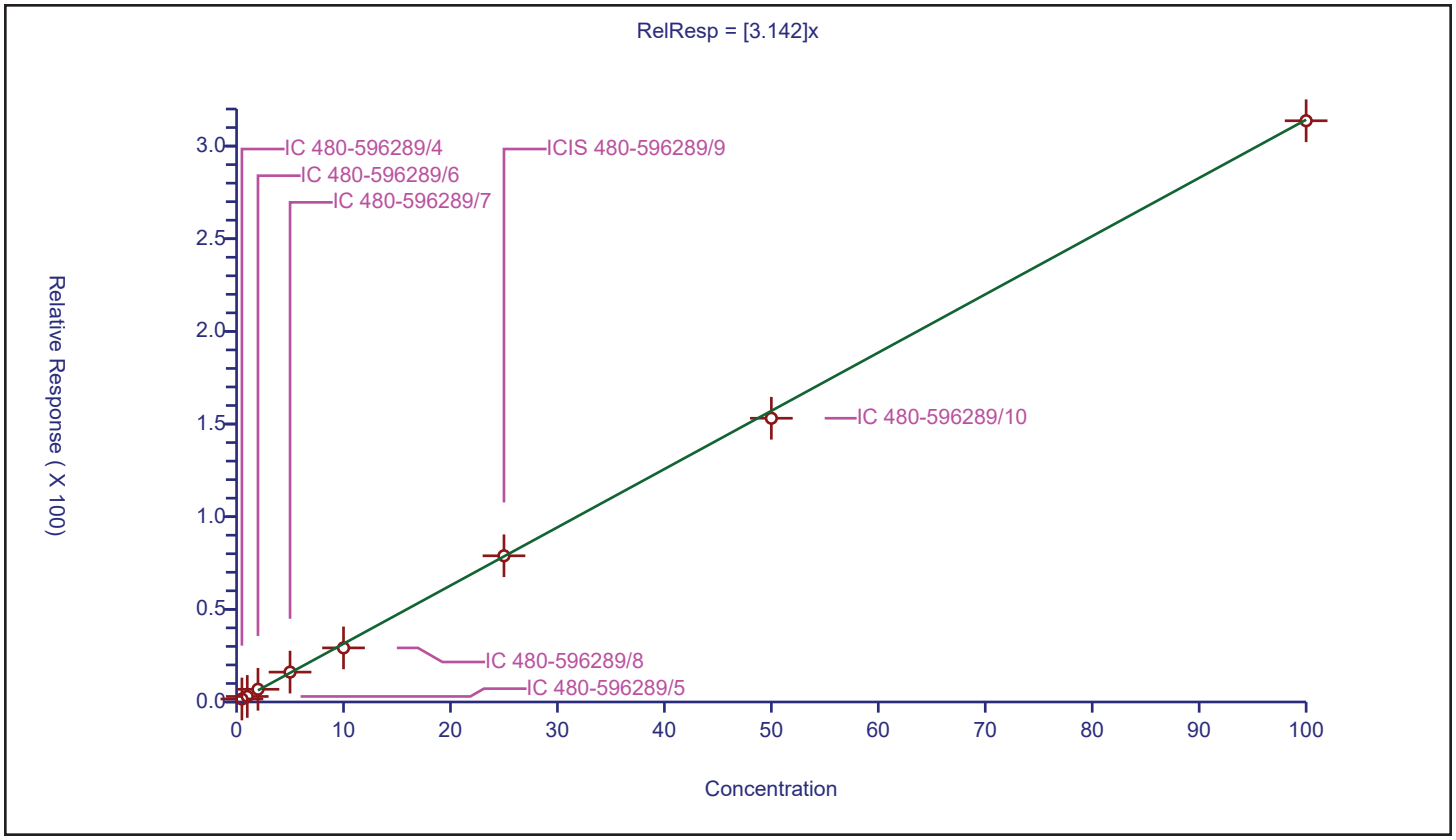
Curve Coefficients

Intercept:	0
Slope:	3.142

Error Coefficients

Standard Error:	933000
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	IC 480-596289/4	0.5	1.615219	25.0	166804.0	3.230438	Y
2	IC 480-596289/5	1.0	2.98305	25.0	159409.0	2.98305	Y
3	IC 480-596289/6	2.0	6.850541	25.0	151634.0	3.425271	Y
4	IC 480-596289/7	5.0	16.127001	25.0	159574.0	3.2254	Y
5	IC 480-596289/8	10.0	29.193626	25.0	168309.0	2.919363	Y
6	ICIS 480-596289/9	25.0	78.901683	25.0	171221.0	3.156067	Y
7	IC 480-596289/10	50.0	153.119038	25.0	174549.0	3.062381	Y
8	IC 480-596289/11	100.0	313.666482	25.0	171070.0	3.136665	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

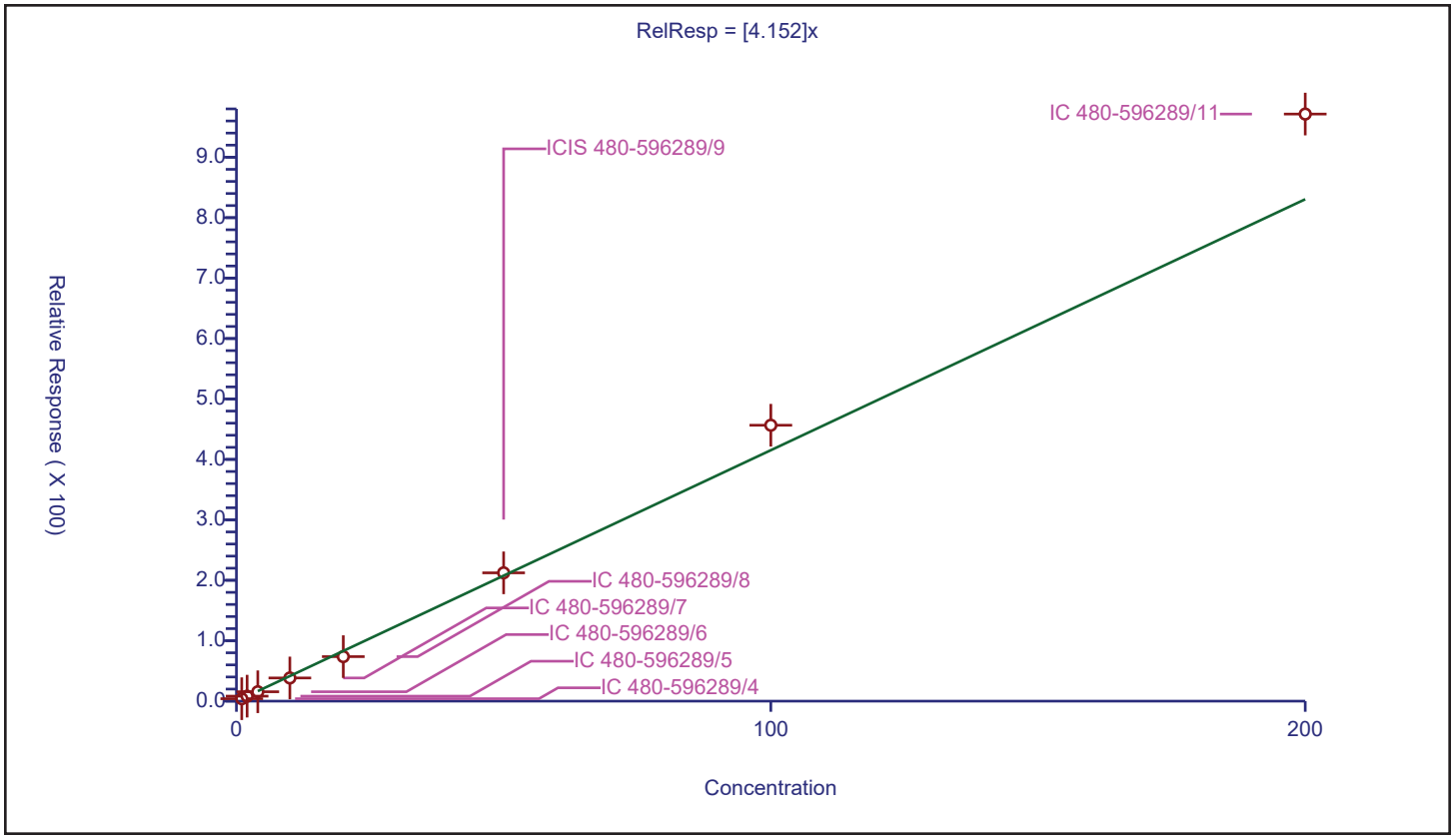
Curve Coefficients

Intercept:	0
Slope:	4.152

Error Coefficients

Standard Error:	2850000
Relative Standard Error:	9.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	1.0	4.014742	25.0	166804.0	4.014742	Y
2	IC 480-596289/5	2.0	8.253141	25.0	159409.0	4.126571	Y
3	IC 480-596289/6	4.0	15.552416	25.0	151634.0	3.888104	Y
4	IC 480-596289/7	10.0	38.365586	25.0	159574.0	3.836559	Y
5	IC 480-596289/8	20.0	73.648468	25.0	168309.0	3.682423	Y
6	ICIS 480-596289/9	50.0	212.324715	25.0	171221.0	4.246494	Y
7	IC 480-596289/10	100.0	456.546872	25.0	174549.0	4.565469	Y
8	IC 480-596289/11	200.0	971.468112	25.0	171070.0	4.857341	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

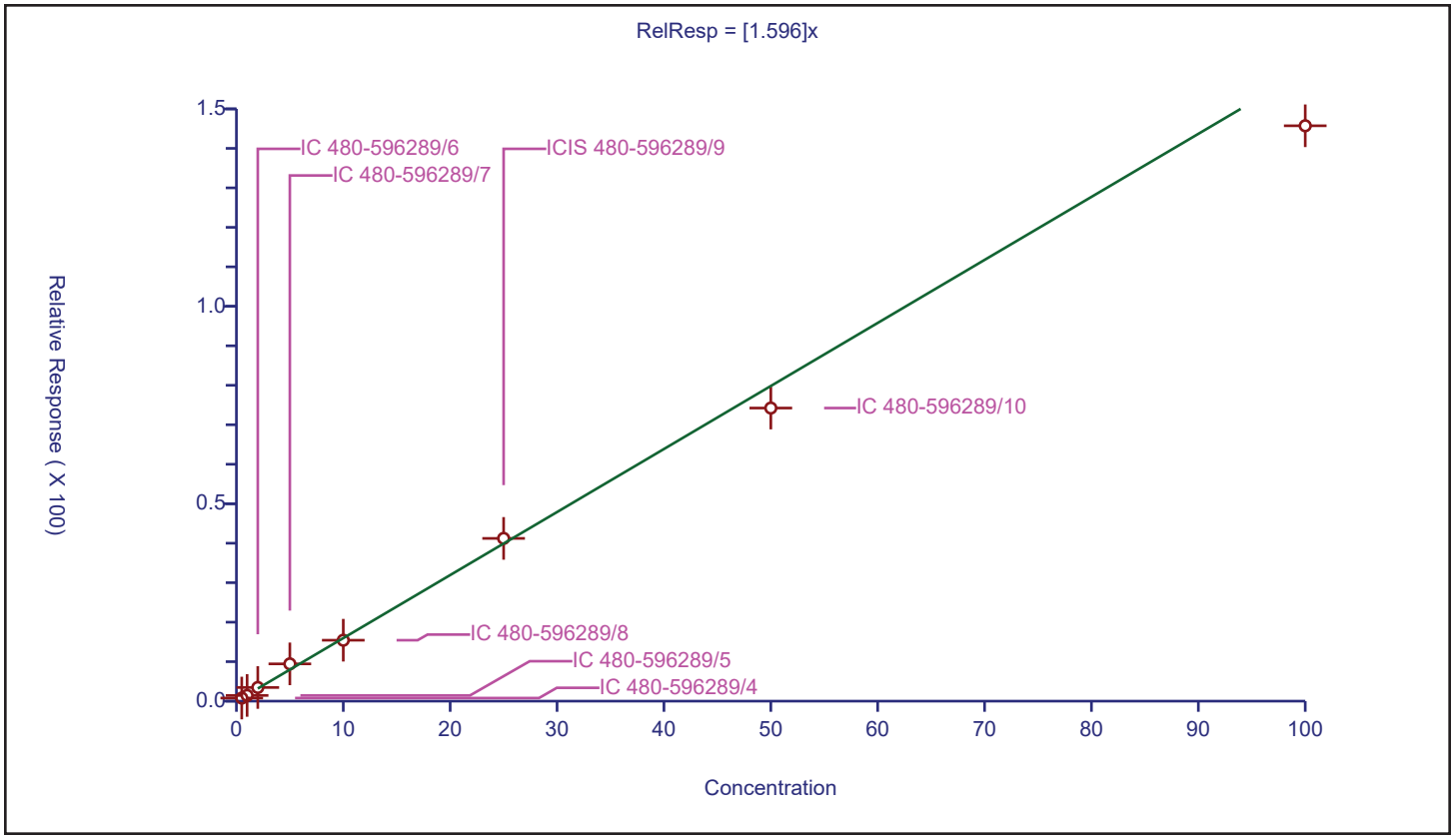
Curve Coefficients

Intercept:	0
Slope:	1.596

Error Coefficients

Standard Error:	440000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.786702	25.0	166804.0	1.573404	Y
2	IC 480-596289/5	1.0	1.447378	25.0	159409.0	1.447378	Y
3	IC 480-596289/6	2.0	3.458162	25.0	151634.0	1.729081	Y
4	IC 480-596289/7	5.0	9.440134	25.0	159574.0	1.888027	Y
5	IC 480-596289/8	10.0	15.428022	25.0	168309.0	1.542802	Y
6	ICIS 480-596289/9	25.0	41.218075	25.0	171221.0	1.648723	Y
7	IC 480-596289/10	50.0	74.23245	25.0	174549.0	1.484649	Y
8	IC 480-596289/11	100.0	145.722511	25.0	171070.0	1.457225	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

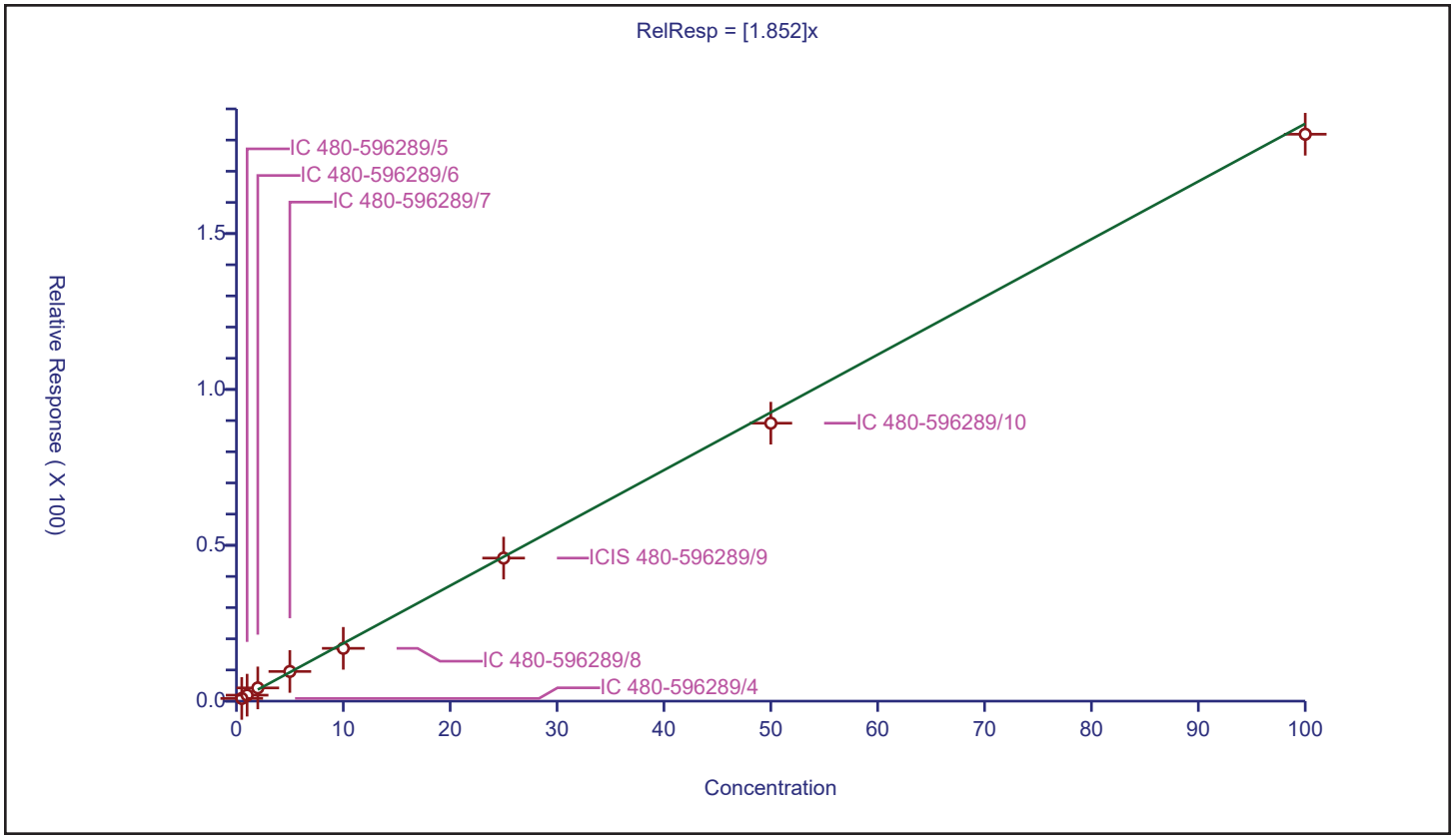
Curve Coefficients

Intercept:	0
Slope:	1.852

Error Coefficients

Standard Error:	541000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.869733	25.0	166804.0	1.739467	Y
2	IC 480-596289/5	1.0	1.9221	25.0	159409.0	1.9221	Y
3	IC 480-596289/6	2.0	4.242122	25.0	151634.0	2.121061	Y
4	IC 480-596289/7	5.0	9.524891	25.0	159574.0	1.904978	Y
5	IC 480-596289/8	10.0	16.939676	25.0	168309.0	1.693968	Y
6	ICIS 480-596289/9	25.0	45.896969	25.0	171221.0	1.835879	Y
7	IC 480-596289/10	50.0	89.178683	25.0	174549.0	1.783574	Y
8	IC 480-596289/11	100.0	181.873794	25.0	171070.0	1.818738	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

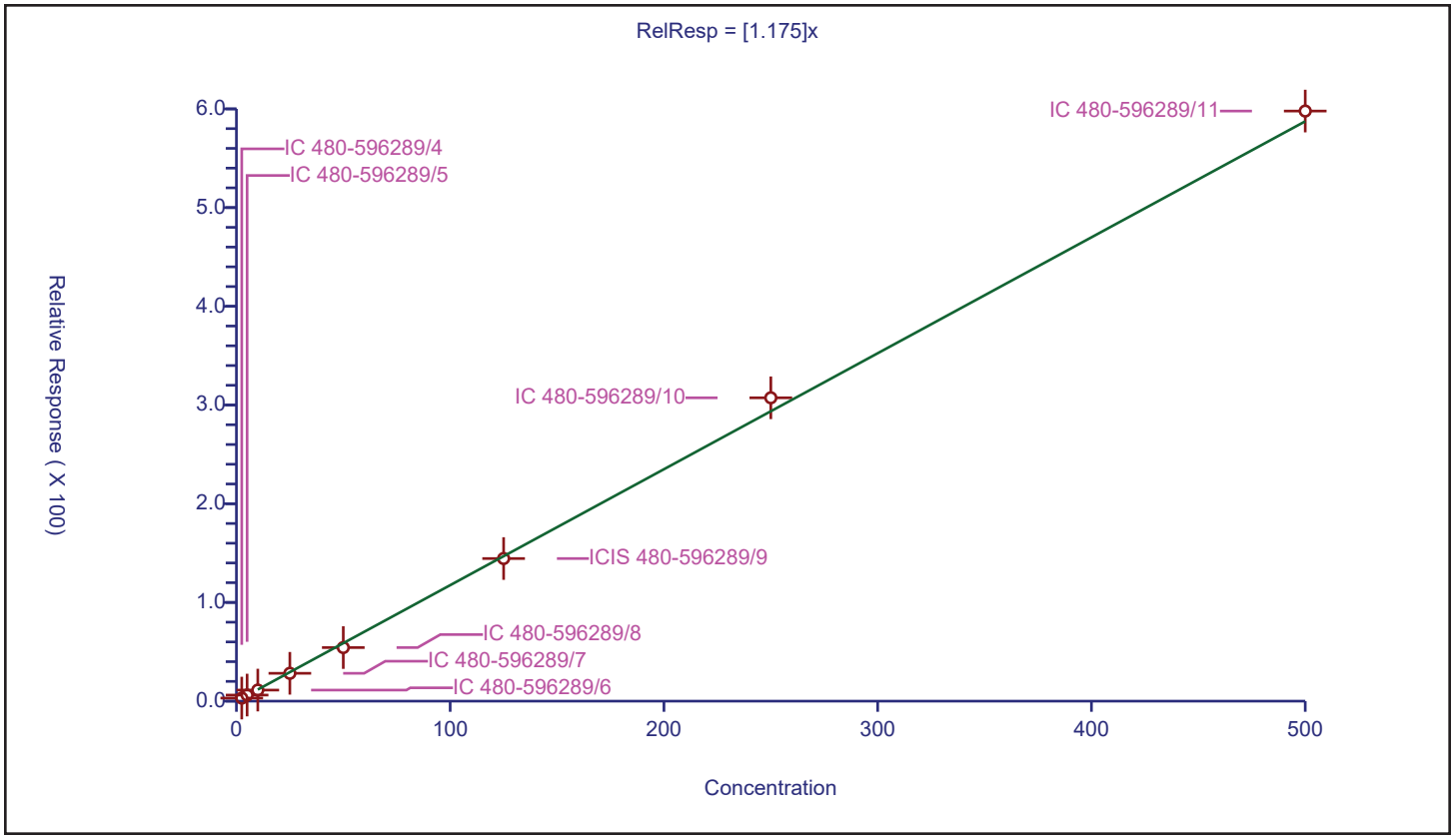
Curve Coefficients

Intercept:	0
Slope:	1.175

Error Coefficients

Standard Error:	1790000
Relative Standard Error:	5.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	2.5	3.117281	25.0	166804.0	1.246913	Y
2	IC 480-596289/5	5.0	6.174055	25.0	159409.0	1.234811	Y
3	IC 480-596289/6	10.0	11.216152	25.0	151634.0	1.121615	Y
4	IC 480-596289/7	25.0	28.203373	25.0	159574.0	1.128135	Y
5	IC 480-596289/8	50.0	54.284085	25.0	168309.0	1.085682	Y
6	ICIS 480-596289/9	125.0	144.481401	25.0	171221.0	1.155851	Y
7	IC 480-596289/10	250.0	307.317716	25.0	174549.0	1.229271	Y
8	IC 480-596289/11	500.0	597.814345	25.0	171070.0	1.195629	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

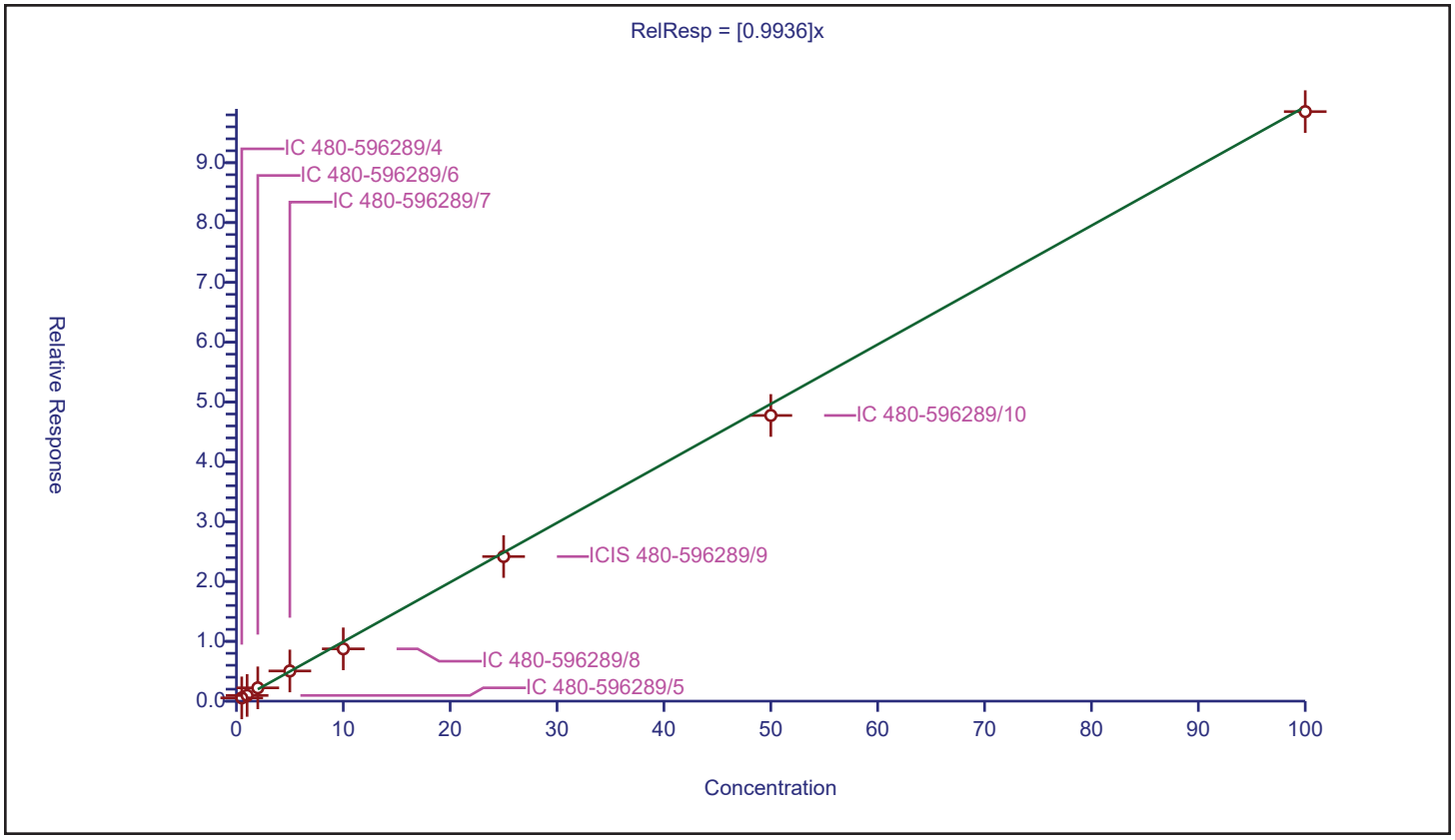
Curve Coefficients

Intercept:	0
Slope:	0.9936

Error Coefficients

Standard Error:	292000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.5466	25.0	166804.0	1.093199	Y
2	IC 480-596289/5	1.0	0.953052	25.0	159409.0	0.953052	Y
3	IC 480-596289/6	2.0	2.221962	25.0	151634.0	1.110981	Y
4	IC 480-596289/7	5.0	5.047815	25.0	159574.0	1.009563	Y
5	IC 480-596289/8	10.0	8.743294	25.0	168309.0	0.874329	Y
6	ICIS 480-596289/9	25.0	24.174313	25.0	171221.0	0.966973	Y
7	IC 480-596289/10	50.0	47.756934	25.0	174549.0	0.955139	Y
8	IC 480-596289/11	100.0	98.541533	25.0	171070.0	0.985415	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

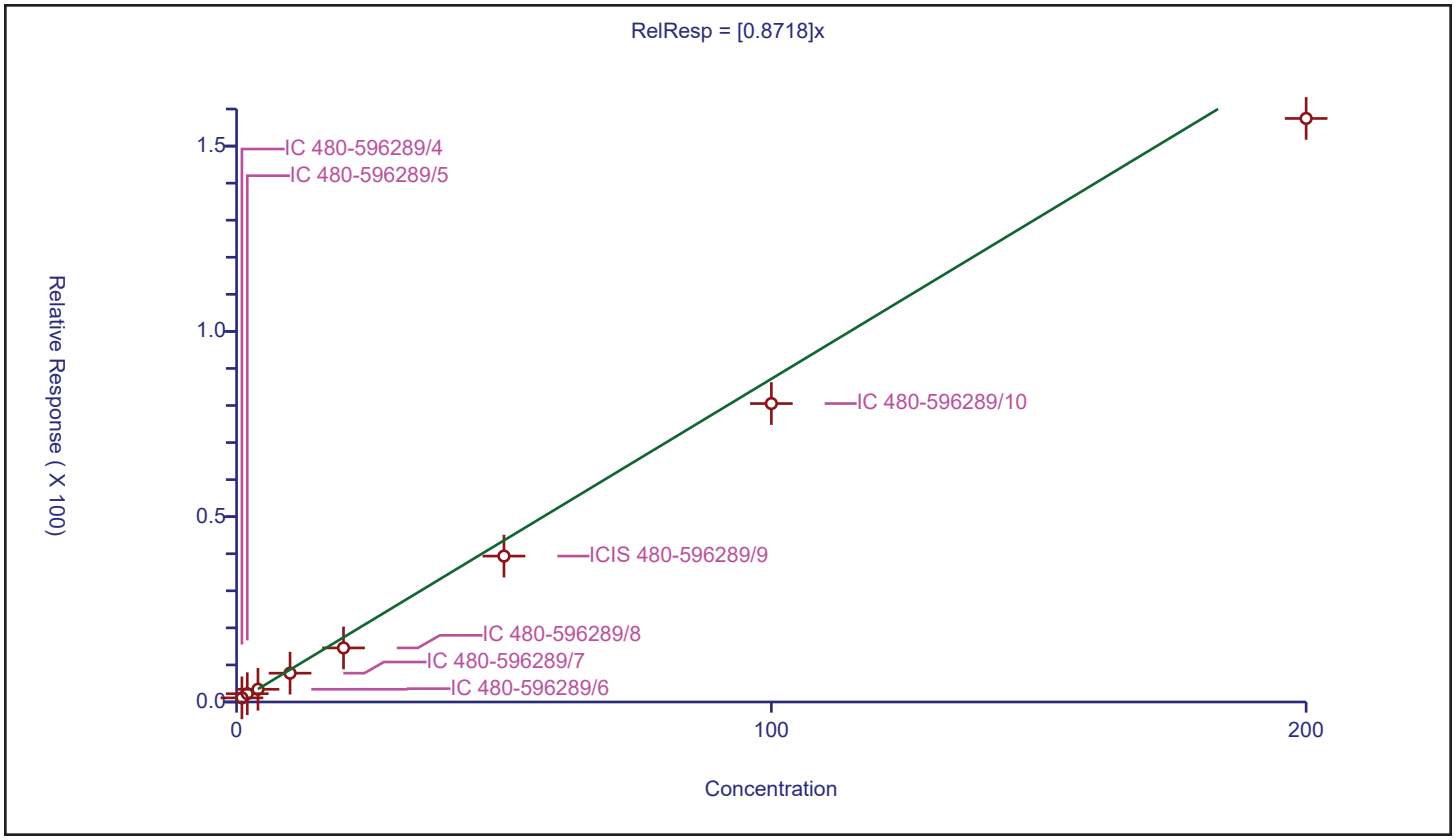
Curve Coefficients

Intercept:	0
Slope:	0.8718

Error Coefficients

Standard Error:	472000
Relative Standard Error:	17.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.947

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	1.0	1.114482	25.0	166804.0	1.114482	Y
2	IC 480-596289/5	2.0	2.23372	25.0	159409.0	1.11686	Y
3	IC 480-596289/6	4.0	3.425023	25.0	151634.0	0.856256	Y
4	IC 480-596289/7	10.0	7.774606	25.0	159574.0	0.777461	Y
5	IC 480-596289/8	20.0	14.589535	25.0	168309.0	0.729477	Y
6	ICIS 480-596289/9	50.0	39.367981	25.0	171221.0	0.78736	Y
7	IC 480-596289/10	100.0	80.529106	25.0	174549.0	0.805291	Y
8	IC 480-596289/11	200.0	157.453674	25.0	171070.0	0.787268	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

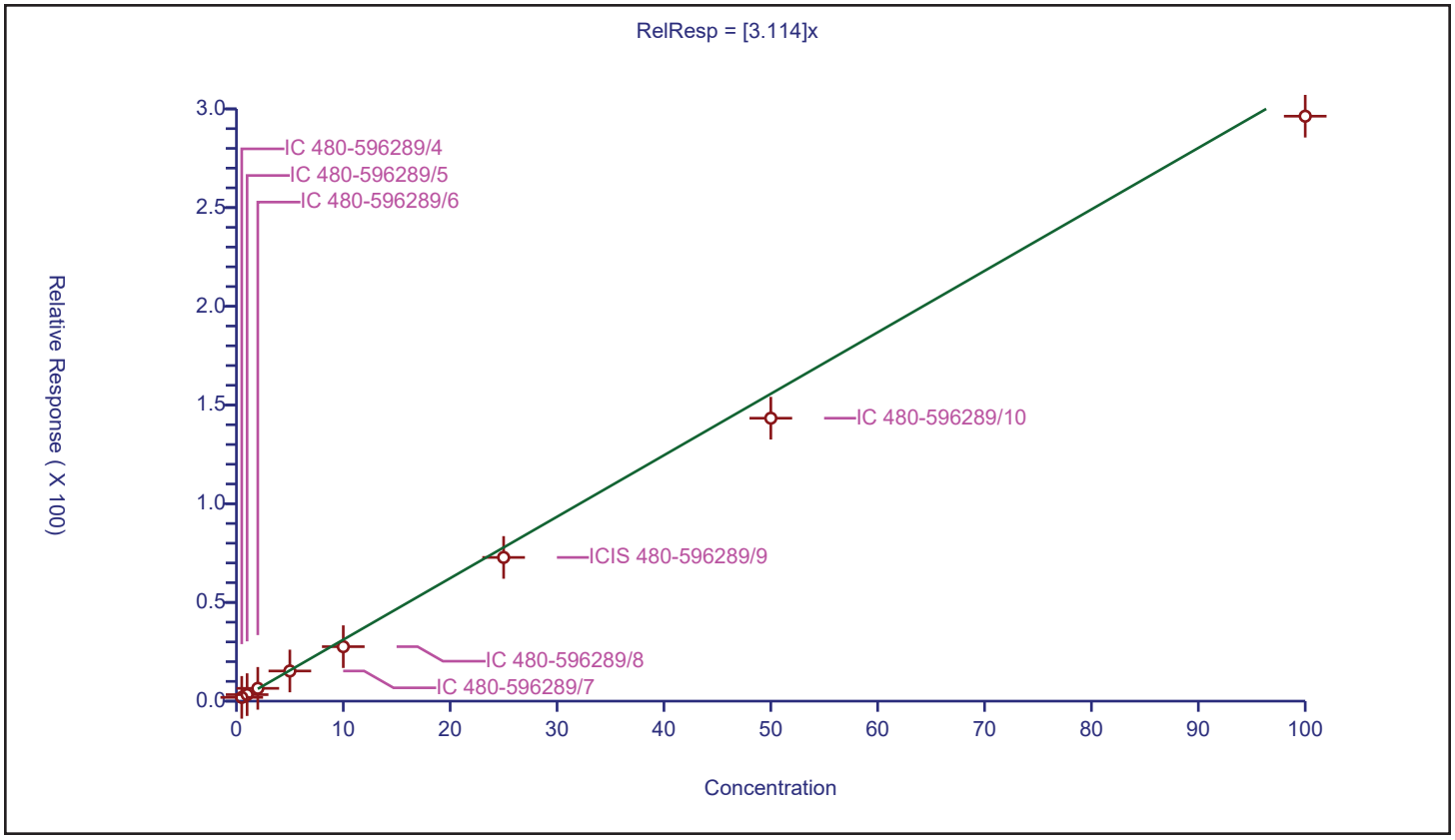
Curve Coefficients

Intercept:	0
Slope:	3.114

Error Coefficients

Standard Error:	879000
Relative Standard Error:	10.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.907478	25.0	166804.0	3.814956	Y
2	IC 480-596289/5	1.0	3.294356	25.0	159409.0	3.294356	Y
3	IC 480-596289/6	2.0	6.484034	25.0	151634.0	3.242017	Y
4	IC 480-596289/7	5.0	15.283818	25.0	159574.0	3.056764	Y
5	IC 480-596289/8	10.0	27.599534	25.0	168309.0	2.759953	Y
6	ICIS 480-596289/9	25.0	72.787363	25.0	171221.0	2.911495	Y
7	IC 480-596289/10	50.0	143.322362	25.0	174549.0	2.866447	Y
8	IC 480-596289/11	100.0	296.302391	25.0	171070.0	2.963024	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

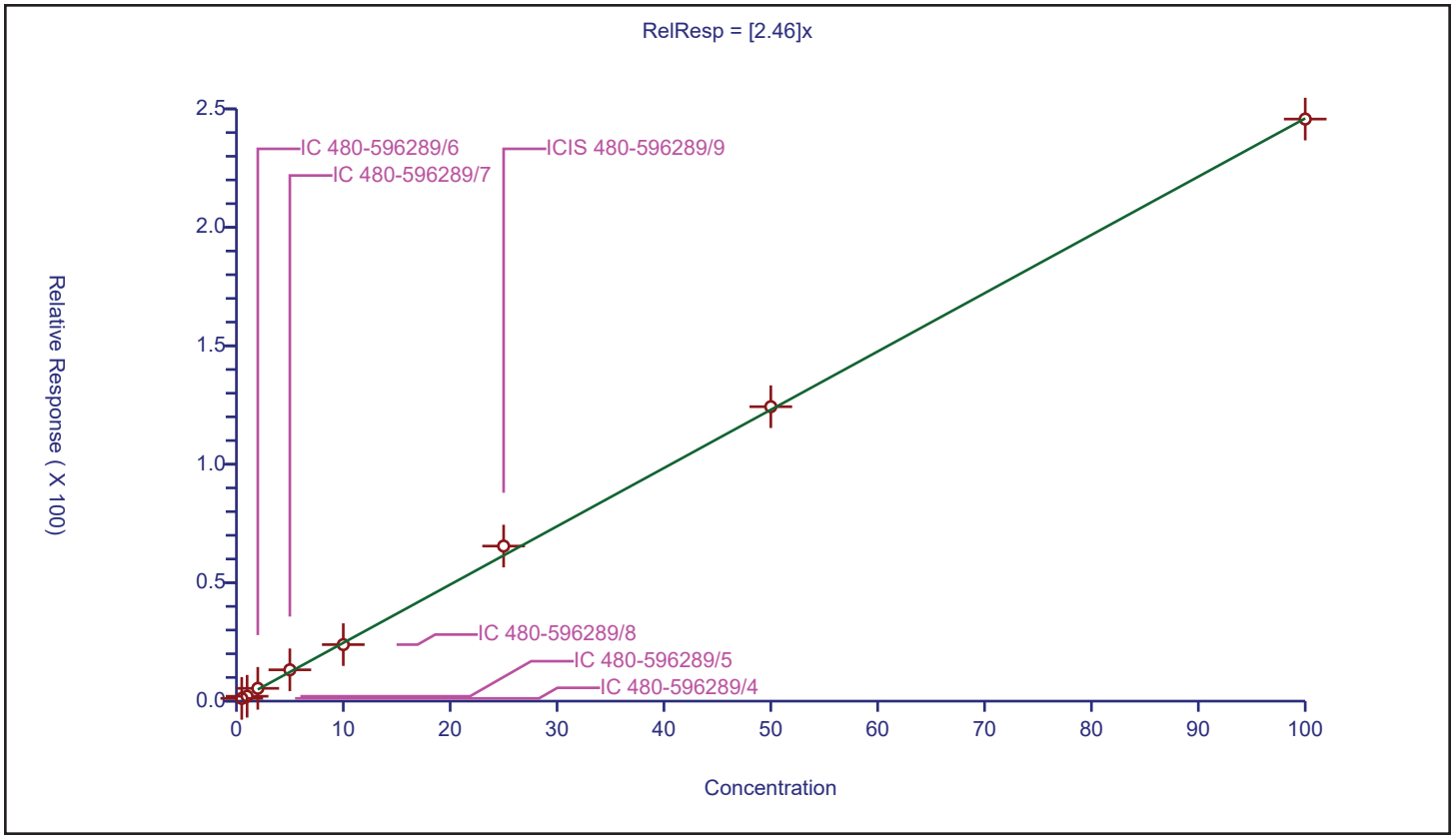
Curve Coefficients

Intercept:	0
Slope:	2.46

Error Coefficients

Standard Error:	738000
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 480-596289/4	0.5	1.161993	25.0	166804.0	2.323985	Y
2	IC 480-596289/5	1.0	2.062932	25.0	159409.0	2.062932	Y
3	IC 480-596289/6	2.0	5.39869	25.0	151634.0	2.699345	Y
4	IC 480-596289/7	5.0	13.232105	25.0	159574.0	2.646421	Y
5	IC 480-596289/8	10.0	23.858795	25.0	168309.0	2.38588	Y
6	ICIS 480-596289/9	25.0	65.457508	25.0	171221.0	2.6183	Y
7	IC 480-596289/10	50.0	124.294897	25.0	174549.0	2.485898	Y
8	IC 480-596289/11	100.0	245.710236	25.0	171070.0	2.457102	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

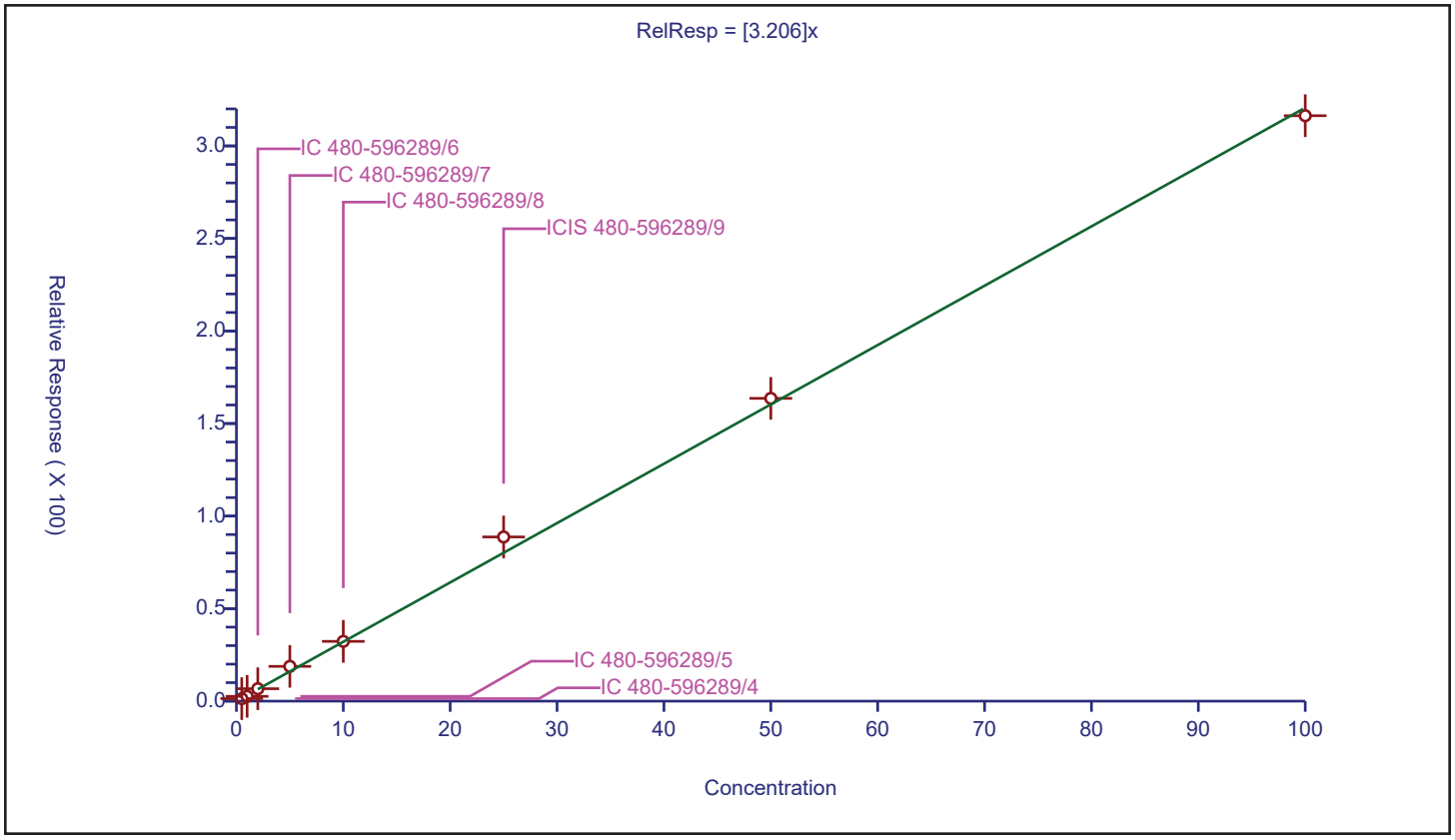
Curve Coefficients

Intercept:	0
Slope:	3.206

Error Coefficients

Standard Error:	958000
Relative Standard Error:	12.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.361928	25.0	166804.0	2.723856	Y
2	IC 480-596289/5	1.0	2.600857	25.0	159409.0	2.600857	Y
3	IC 480-596289/6	2.0	6.708258	25.0	151634.0	3.354129	Y
4	IC 480-596289/7	5.0	18.793945	25.0	159574.0	3.758789	Y
5	IC 480-596289/8	10.0	32.299818	25.0	168309.0	3.229982	Y
6	ICIS 480-596289/9	25.0	88.708599	25.0	171221.0	3.548344	Y
7	IC 480-596289/10	50.0	163.596182	25.0	174549.0	3.271924	Y
8	IC 480-596289/11	100.0	316.313497	25.0	171070.0	3.163135	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

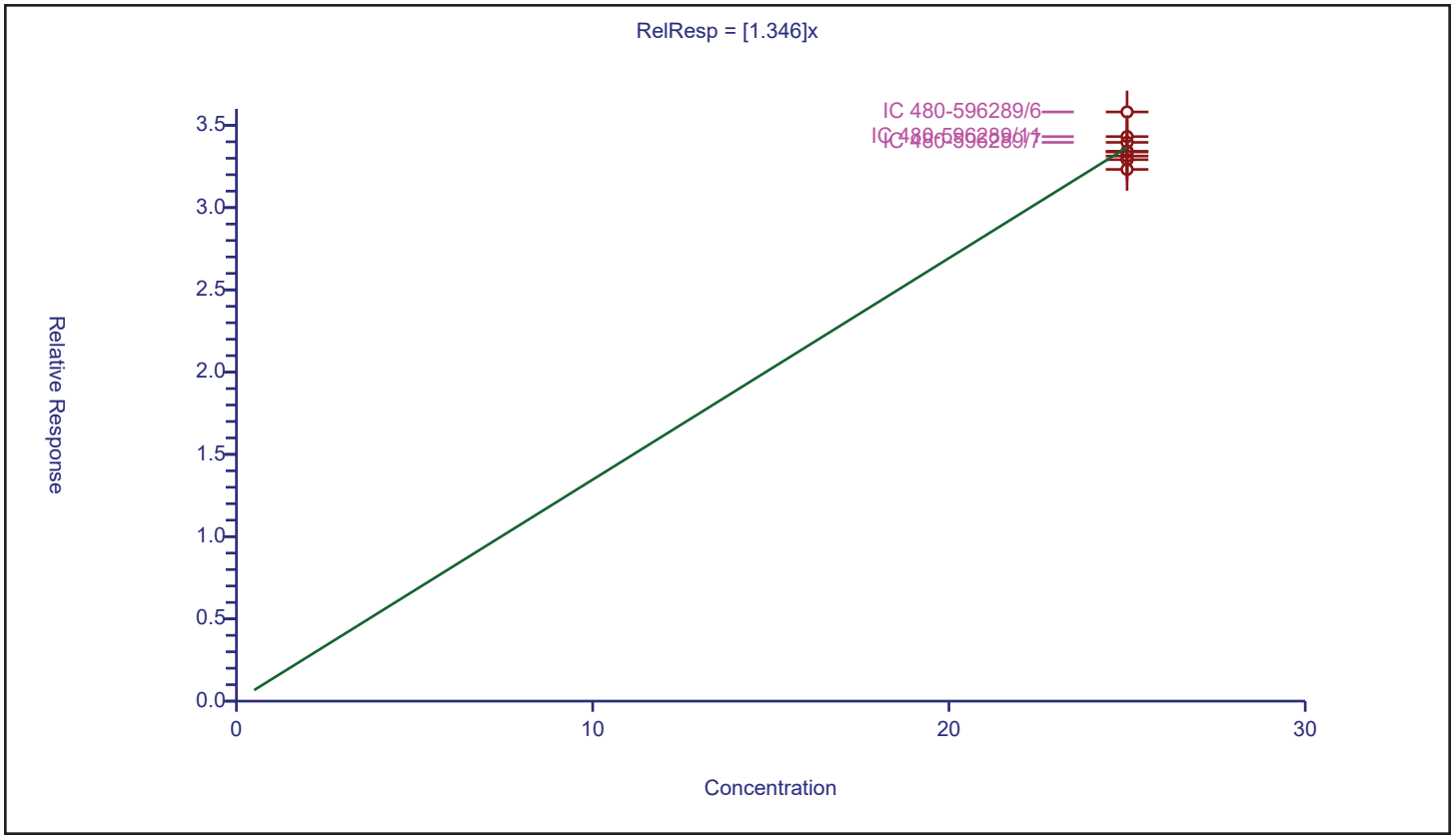
Curve Coefficients

Intercept:	0
Slope:	1.346

Error Coefficients

Standard Error:	238000
Relative Standard Error:	3.2
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	25.0	33.425457	25.0	166804.0	1.337018	Y
2	IC 480-596289/5	25.0	33.378605	25.0	159409.0	1.335144	Y
3	IC 480-596289/6	25.0	35.813373	25.0	151634.0	1.432535	Y
4	IC 480-596289/7	25.0	33.966373	25.0	159574.0	1.358655	Y
5	IC 480-596289/8	25.0	32.321355	25.0	168309.0	1.292854	Y
6	ICIS 480-596289/9	25.0	33.133348	25.0	171221.0	1.325334	Y
7	IC 480-596289/10	25.0	32.911962	25.0	174549.0	1.316478	Y
8	IC 480-596289/11	25.0	34.316069	25.0	171070.0	1.372643	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

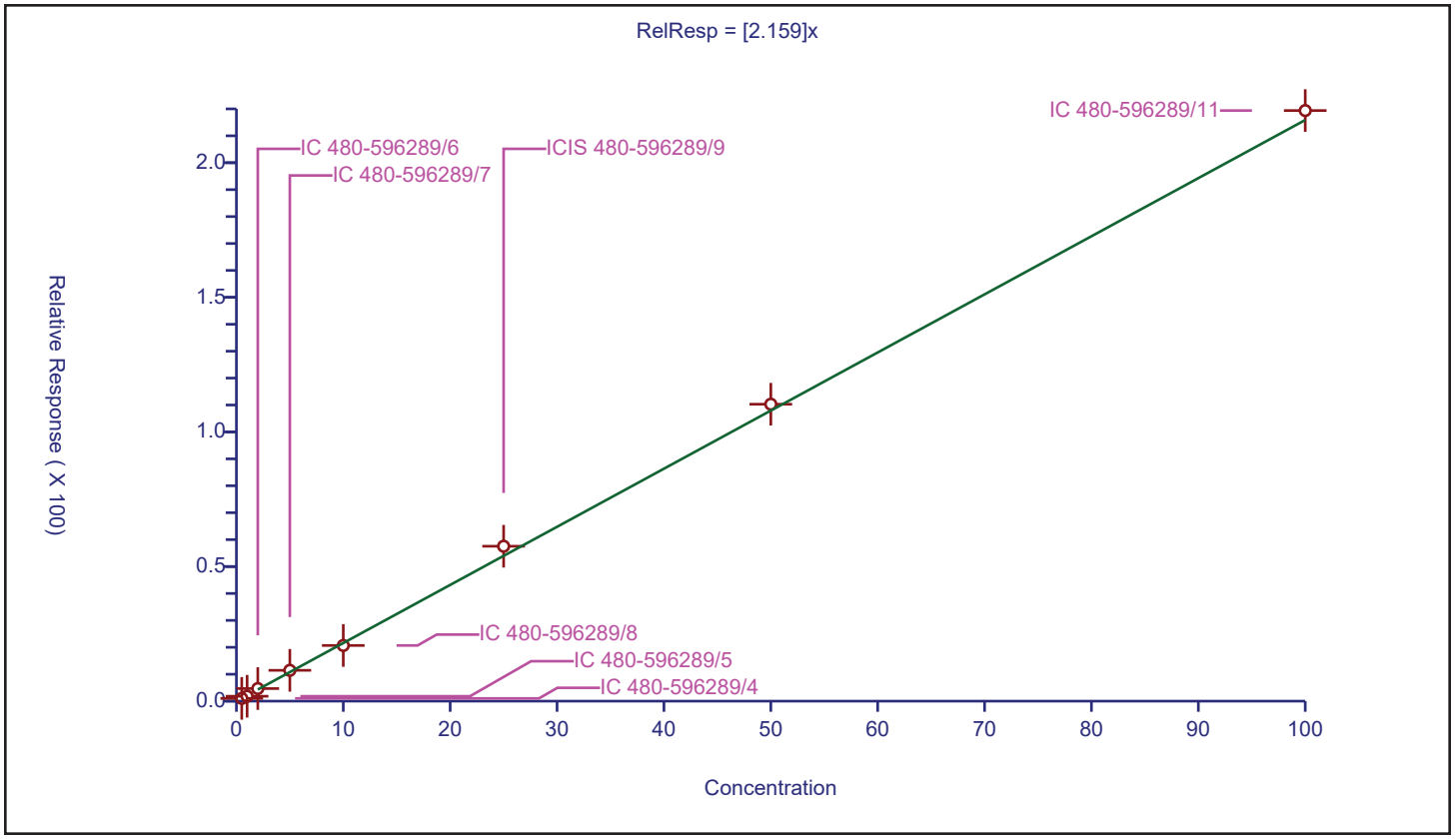
Curve Coefficients

Intercept:	0
Slope:	2.159

Error Coefficients

Standard Error:	658000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.022757	25.0	166804.0	2.045514	Y
2	IC 480-596289/5	1.0	1.826904	25.0	159409.0	1.826904	Y
3	IC 480-596289/6	2.0	4.673259	25.0	151634.0	2.33663	Y
4	IC 480-596289/7	5.0	11.45033	25.0	159574.0	2.290066	Y
5	IC 480-596289/8	10.0	20.681752	25.0	168309.0	2.068175	Y
6	ICIS 480-596289/9	25.0	57.541423	25.0	171221.0	2.301657	Y
7	IC 480-596289/10	50.0	110.303983	25.0	174549.0	2.20608	Y
8	IC 480-596289/11	100.0	219.37321	25.0	171070.0	2.193732	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

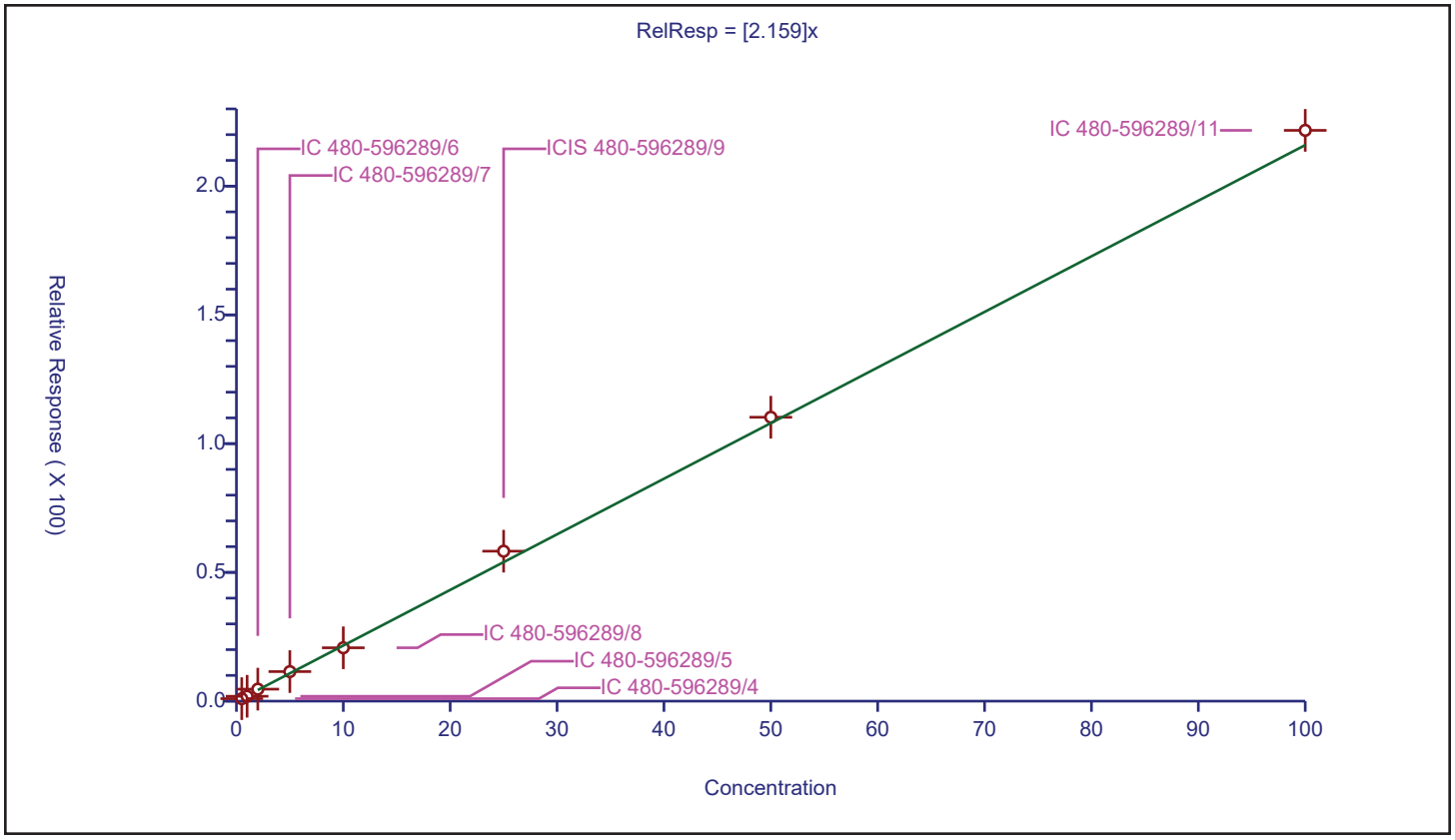
Curve Coefficients

Intercept:	0
Slope:	2.159

Error Coefficients

Standard Error:	663000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.963856	25.0	166804.0	1.927712	Y
2	IC 480-596289/5	1.0	1.900457	25.0	159409.0	1.900457	Y
3	IC 480-596289/6	2.0	4.656772	25.0	151634.0	2.328386	Y
4	IC 480-596289/7	5.0	11.47571	25.0	159574.0	2.295142	Y
5	IC 480-596289/8	10.0	20.719629	25.0	168309.0	2.071963	Y
6	ICIS 480-596289/9	25.0	58.233803	25.0	171221.0	2.329352	Y
7	IC 480-596289/10	50.0	110.257005	25.0	174549.0	2.20514	Y
8	IC 480-596289/11	100.0	221.664085	25.0	171070.0	2.216641	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

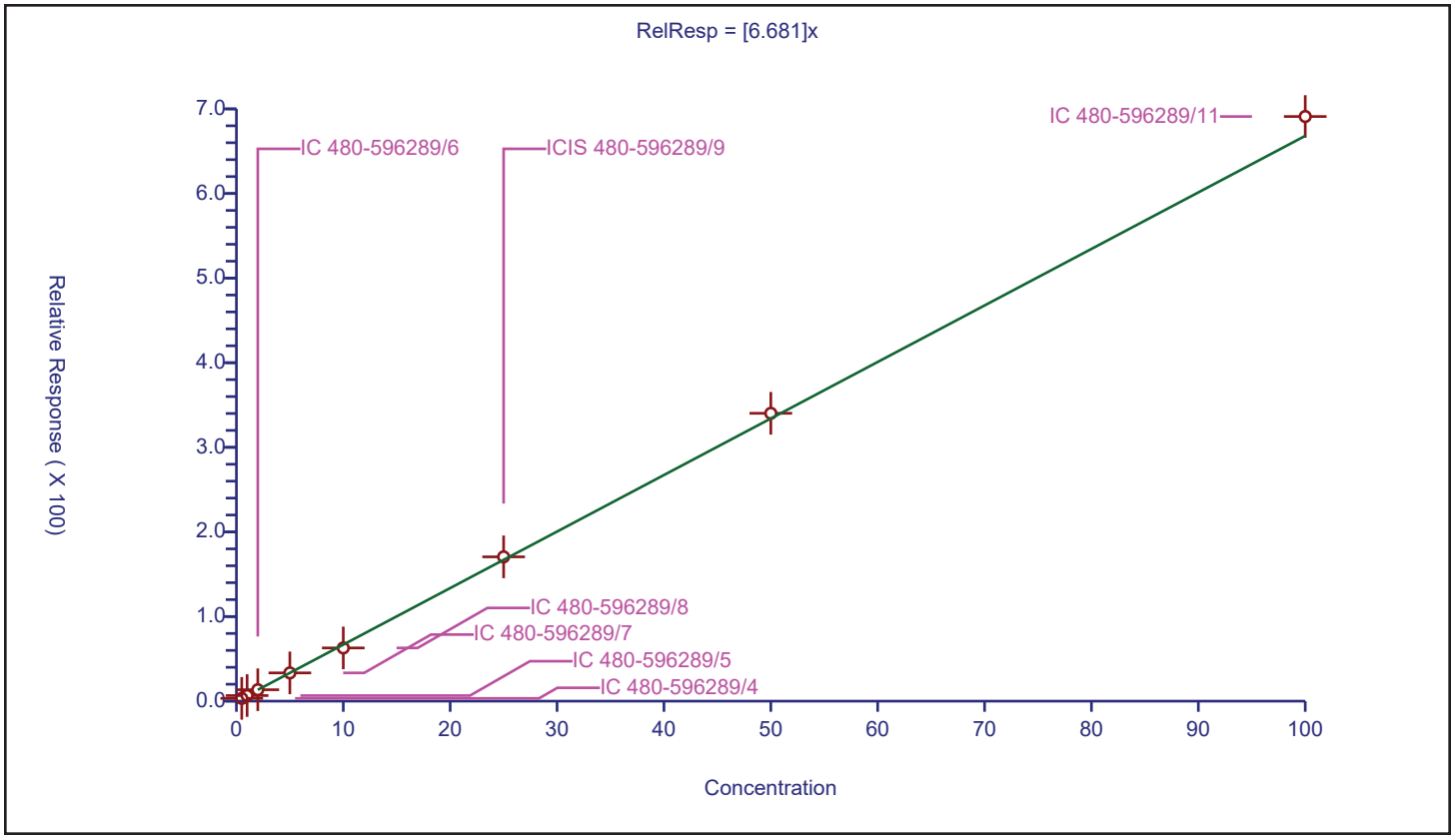
Curve Coefficients

Intercept:	0
Slope:	6.681

Error Coefficients

Standard Error:	2060000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	3.299381	25.0	166804.0	6.598763	Y
2	IC 480-596289/5	1.0	6.597808	25.0	159409.0	6.597808	Y
3	IC 480-596289/6	2.0	13.496973	25.0	151634.0	6.748486	Y
4	IC 480-596289/7	5.0	33.392971	25.0	159574.0	6.678594	Y
5	IC 480-596289/8	10.0	62.886417	25.0	168309.0	6.288642	Y
6	ICIS 480-596289/9	25.0	170.547129	25.0	171221.0	6.821885	Y
7	IC 480-596289/10	50.0	340.215785	25.0	174549.0	6.804316	Y
8	IC 480-596289/11	100.0	690.994914	25.0	171070.0	6.909949	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

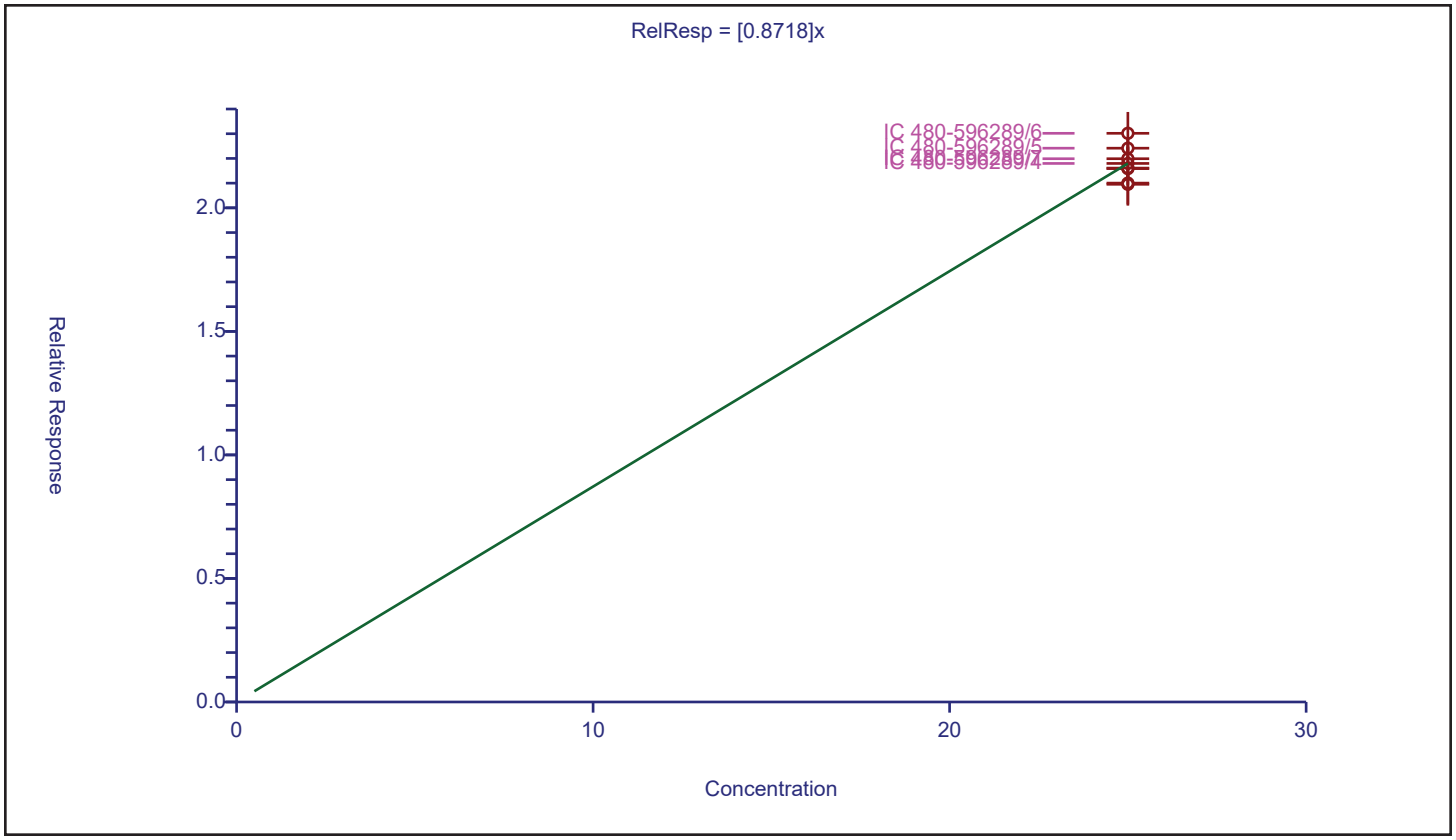
Curve Coefficients

Intercept:	0
Slope:	0.8718

Error Coefficients

Standard Error:	154000
Relative Standard Error:	3.2
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	25.0	21.797139	25.0	166804.0	0.871886	Y
2	IC 480-596289/5	25.0	22.414826	25.0	159409.0	0.896593	Y
3	IC 480-596289/6	25.0	23.0171	25.0	151634.0	0.920684	Y
4	IC 480-596289/7	25.0	21.987918	25.0	159574.0	0.879517	Y
5	IC 480-596289/8	25.0	21.588121	25.0	168309.0	0.863525	Y
6	ICIS 480-596289/9	25.0	20.953037	25.0	171221.0	0.838121	Y
7	IC 480-596289/10	25.0	21.001982	25.0	174549.0	0.840079	Y
8	IC 480-596289/11	25.0	21.609429	25.0	171070.0	0.864377	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

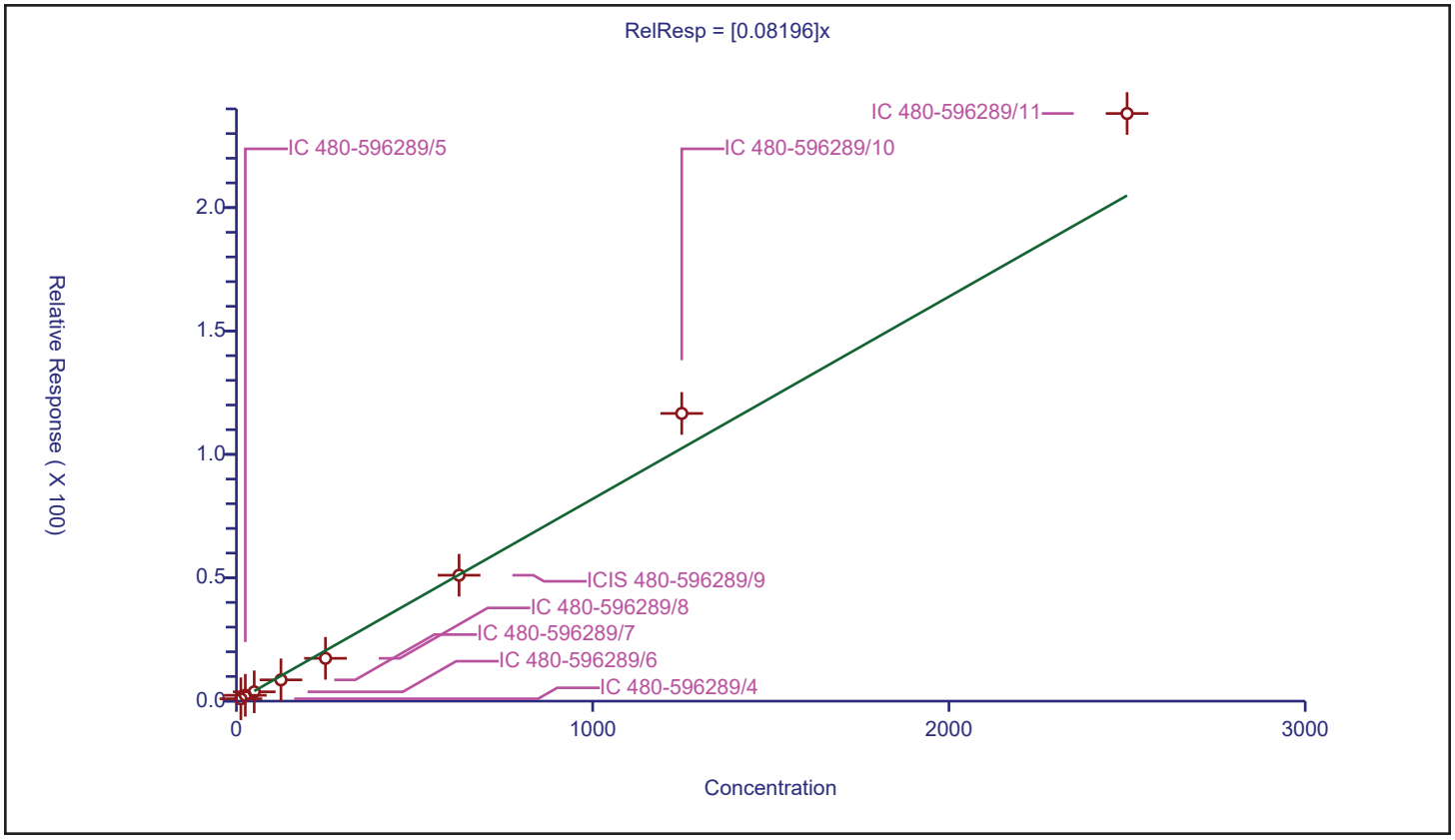
Curve Coefficients

Intercept:	0
Slope:	0.08196

Error Coefficients

Standard Error:	703000
Relative Standard Error:	13.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	12.5	0.960858	25.0	166804.0	0.076869	Y
2	IC 480-596289/5	25.0	2.364986	25.0	159409.0	0.094599	Y
3	IC 480-596289/6	50.0	3.787409	25.0	151634.0	0.075748	Y
4	IC 480-596289/7	125.0	8.613089	25.0	159574.0	0.068905	Y
5	IC 480-596289/8	250.0	17.345923	25.0	168309.0	0.069384	Y
6	ICIS 480-596289/9	625.0	51.028495	25.0	171221.0	0.081646	Y
7	IC 480-596289/10	1250.0	116.590184	25.0	174549.0	0.093272	Y
8	IC 480-596289/11	2500.0	238.128398	25.0	171070.0	0.095251	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

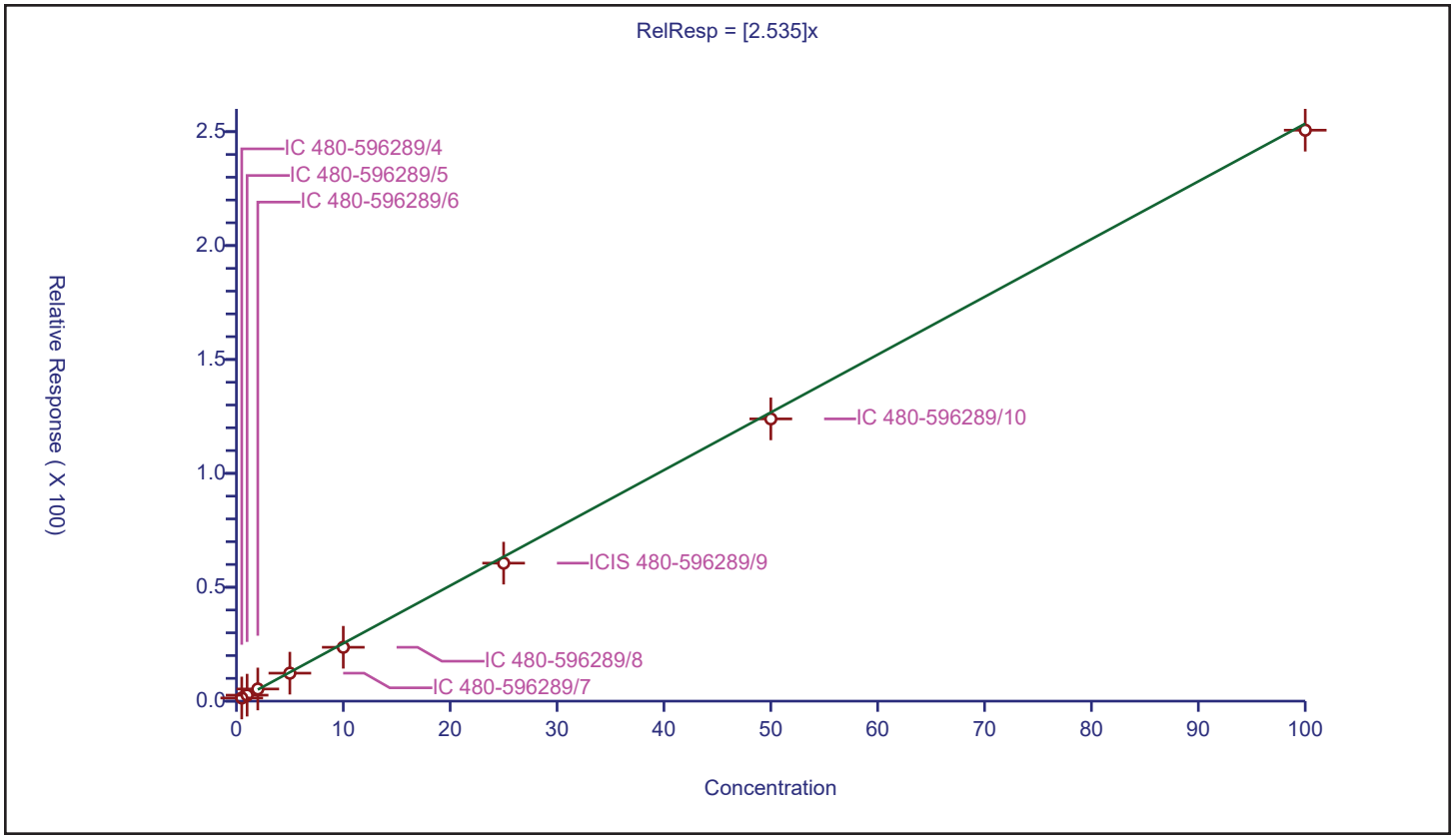
Curve Coefficients

Intercept:	0
Slope:	2.535

Error Coefficients

Standard Error:	746000
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 480-596289/4	0.5	1.382611	25.0	166804.0	2.765221	Y
2	IC 480-596289/5	1.0	2.619676	25.0	159409.0	2.619676	Y
3	IC 480-596289/6	2.0	5.33571	25.0	151634.0	2.667855	Y
4	IC 480-596289/7	5.0	12.281763	25.0	159574.0	2.456353	Y
5	IC 480-596289/8	10.0	23.646537	25.0	168309.0	2.364654	Y
6	ICIS 480-596289/9	25.0	60.580916	25.0	171221.0	2.423237	Y
7	IC 480-596289/10	50.0	123.910621	25.0	174549.0	2.478212	Y
8	IC 480-596289/11	100.0	250.660402	25.0	171070.0	2.506604	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

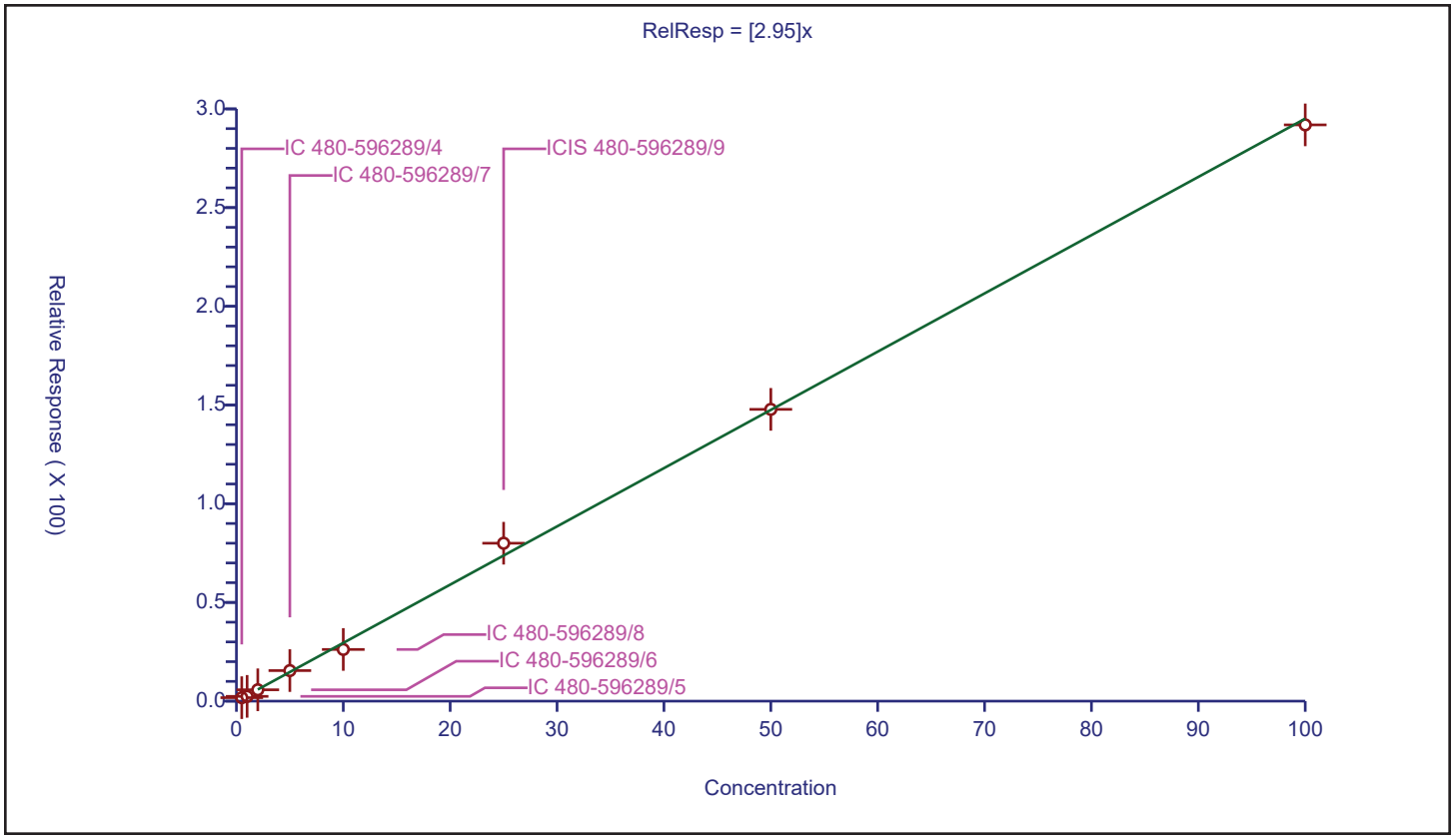
Curve Coefficients

Intercept:	0
Slope:	2.95

Error Coefficients

Standard Error:	878000
Relative Standard Error:	11.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.758801	25.0	166804.0	3.517601	Y
2	IC 480-596289/5	1.0	2.417837	25.0	159409.0	2.417837	Y
3	IC 480-596289/6	2.0	5.757284	25.0	151634.0	2.878642	Y
4	IC 480-596289/7	5.0	15.486702	25.0	159574.0	3.09734	Y
5	IC 480-596289/8	10.0	26.173585	25.0	168309.0	2.617359	Y
6	ICIS 480-596289/9	25.0	79.993254	25.0	171221.0	3.19973	Y
7	IC 480-596289/10	50.0	147.805058	25.0	174549.0	2.956101	Y
8	IC 480-596289/11	100.0	291.90536	25.0	171070.0	2.919054	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

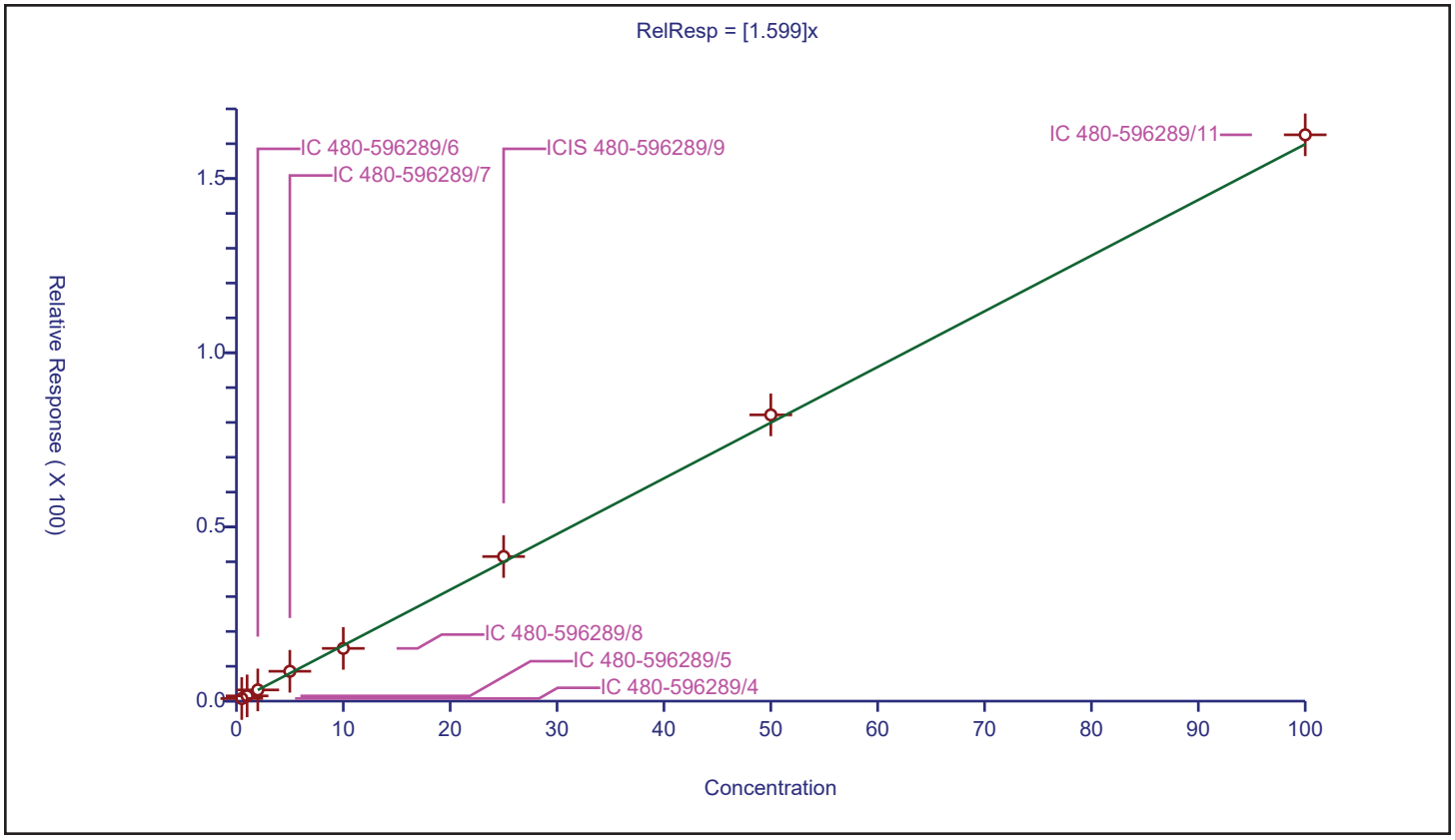
Curve Coefficients

Intercept:	0
Slope:	1.599

Error Coefficients

Standard Error:	487000
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 480-596289/4	0.5	0.756577	25.0	166804.0	1.513153	Y
2	IC 480-596289/5	1.0	1.506188	25.0	159409.0	1.506188	Y
3	IC 480-596289/6	2.0	3.223881	25.0	151634.0	1.611941	Y
4	IC 480-596289/7	5.0	8.571728	25.0	159574.0	1.714346	Y
5	IC 480-596289/8	10.0	15.141496	25.0	168309.0	1.51415	Y
6	ICIS 480-596289/9	25.0	41.508343	25.0	171221.0	1.660334	Y
7	IC 480-596289/10	50.0	82.171195	25.0	174549.0	1.643424	Y
8	IC 480-596289/11	100.0	162.564447	25.0	171070.0	1.625644	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

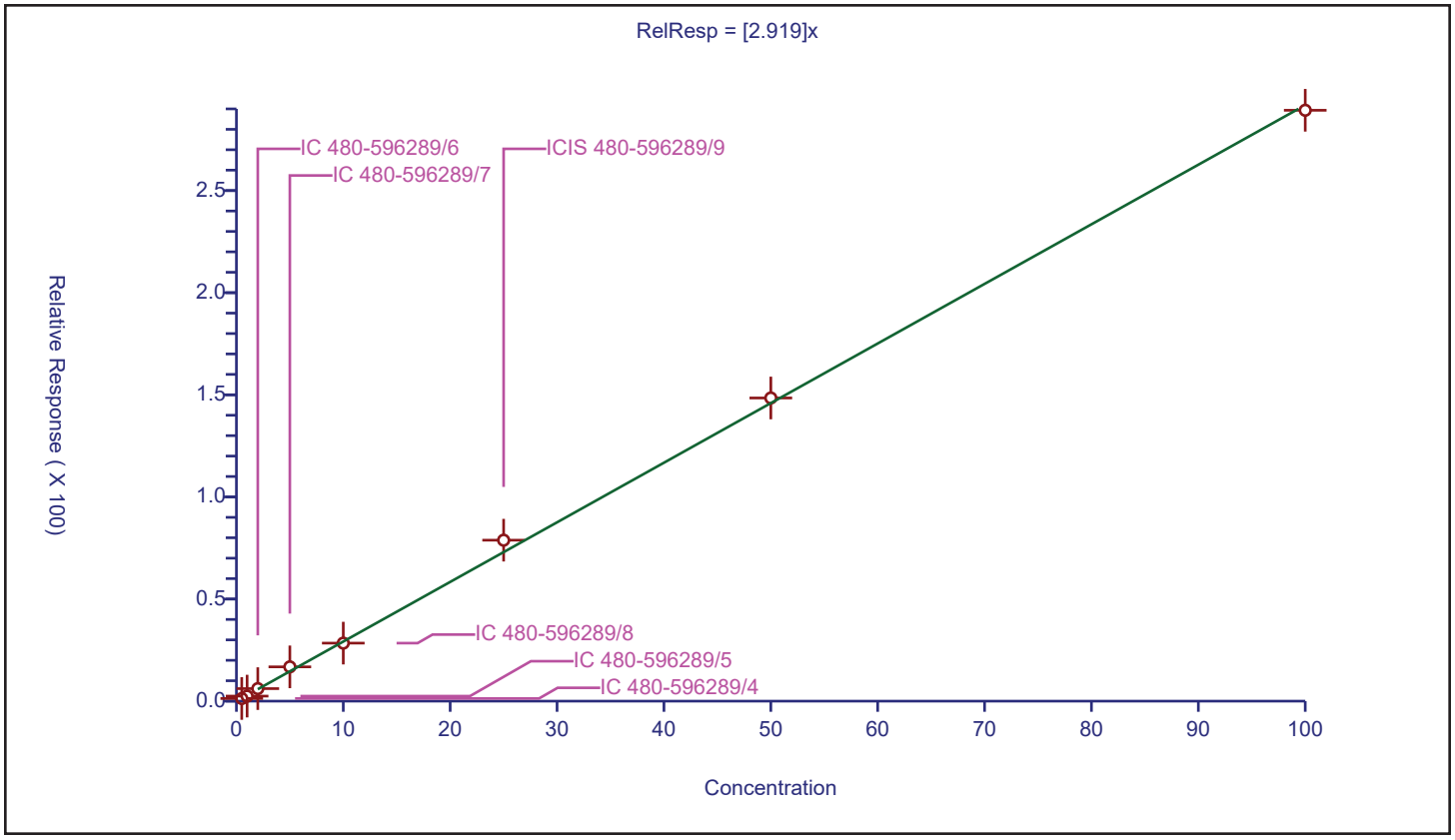
Curve Coefficients

Intercept:	0
Slope:	2.919

Error Coefficients

Standard Error:	873000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.29808	25.0	166804.0	2.596161	Y
2	IC 480-596289/5	1.0	2.46912	25.0	159409.0	2.46912	Y
3	IC 480-596289/6	2.0	6.135992	25.0	151634.0	3.067996	Y
4	IC 480-596289/7	5.0	16.797379	25.0	159574.0	3.359476	Y
5	IC 480-596289/8	10.0	28.411731	25.0	168309.0	2.841173	Y
6	ICIS 480-596289/9	25.0	78.813346	25.0	171221.0	3.152534	Y
7	IC 480-596289/10	50.0	148.443847	25.0	174549.0	2.968877	Y
8	IC 480-596289/11	100.0	289.317385	25.0	171070.0	2.893174	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

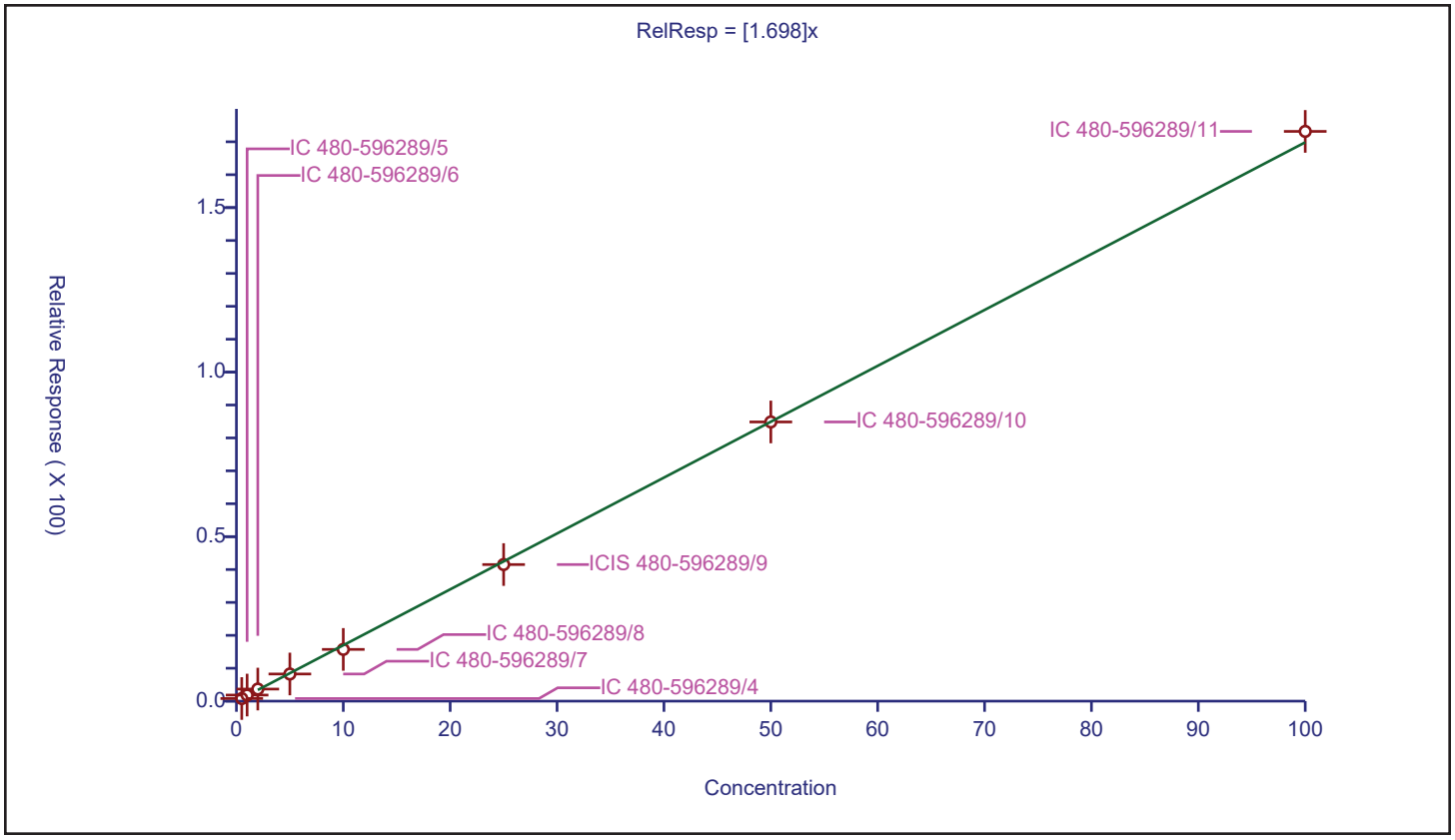
Curve Coefficients

Intercept:	0
Slope:	1.698

Error Coefficients

Standard Error:	514000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.796594	25.0	166804.0	1.593187	Y
2	IC 480-596289/5	1.0	1.845881	25.0	159409.0	1.845881	Y
3	IC 480-596289/6	2.0	3.672824	25.0	151634.0	1.836412	Y
4	IC 480-596289/7	5.0	8.252284	25.0	159574.0	1.650457	Y
5	IC 480-596289/8	10.0	15.720639	25.0	168309.0	1.572064	Y
6	ICIS 480-596289/9	25.0	41.51579	25.0	171221.0	1.660632	Y
7	IC 480-596289/10	50.0	84.854683	25.0	174549.0	1.697094	Y
8	IC 480-596289/11	100.0	173.15821	25.0	171070.0	1.731582	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

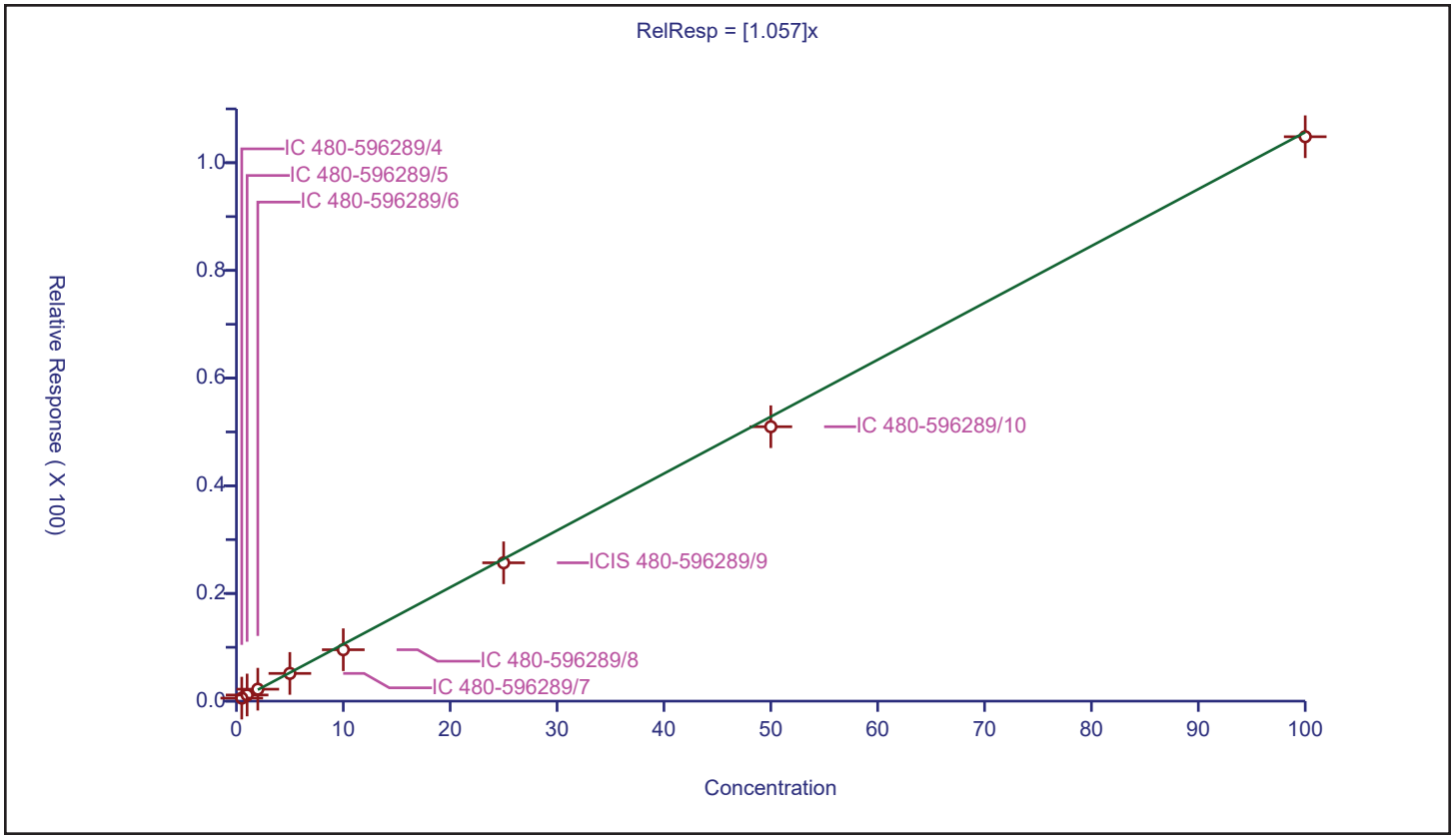
Curve Coefficients

Intercept:	0
Slope:	1.057

Error Coefficients

Standard Error:	311000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.560238	25.0	166804.0	1.120477	Y
2	IC 480-596289/5	1.0	1.142501	25.0	159409.0	1.142501	Y
3	IC 480-596289/6	2.0	2.219819	25.0	151634.0	1.109909	Y
4	IC 480-596289/7	5.0	5.149178	25.0	159574.0	1.029836	Y
5	IC 480-596289/8	10.0	9.549846	25.0	168309.0	0.954985	Y
6	ICIS 480-596289/9	25.0	25.697636	25.0	171221.0	1.027905	Y
7	IC 480-596289/10	50.0	50.967207	25.0	174549.0	1.019344	Y
8	IC 480-596289/11	100.0	104.831209	25.0	171070.0	1.048312	Y



Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

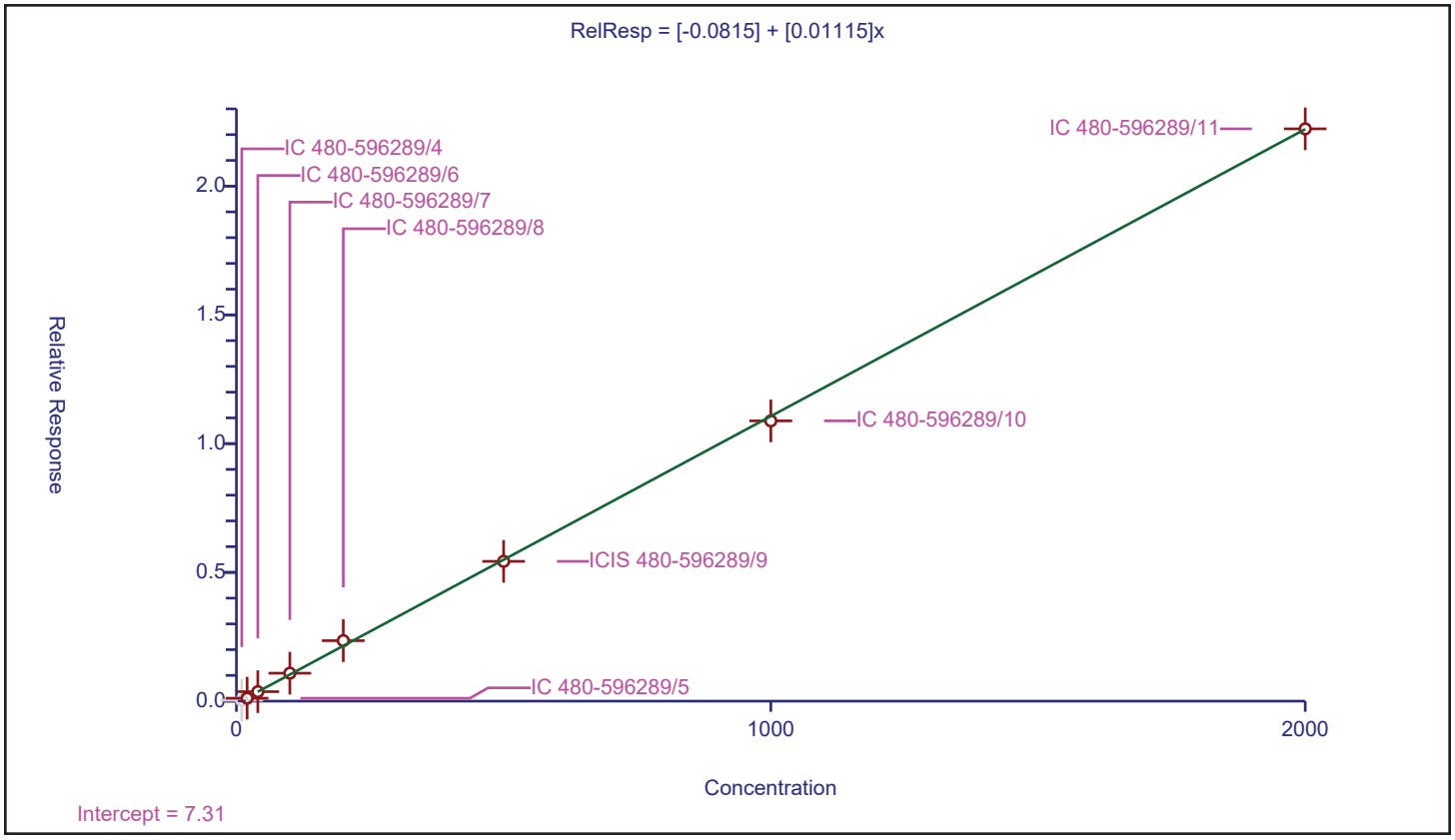
Curve Coefficients

Intercept:	-0.0815
Slope:	0.01115

Error Coefficients

Standard Error:	162000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	10.0	0.034711	25.0	352919.0	0.003471	N
2	IC 480-596289/5	20.0	0.114615	25.0	339179.0	0.005731	Y
3	IC 480-596289/6	40.0	0.368587	25.0	318378.0	0.009215	Y
4	IC 480-596289/7	100.0	1.085978	25.0	323303.0	0.01086	Y
5	IC 480-596289/8	200.0	2.349953	25.0	338411.0	0.01175	Y
6	ICIS 480-596289/9	500.0	5.428646	25.0	348761.0	0.010857	Y
7	IC 480-596289/10	1000.0	10.884811	25.0	359749.0	0.010885	Y
8	IC 480-596289/11	2000.0	22.22499	25.0	355314.0	0.011112	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

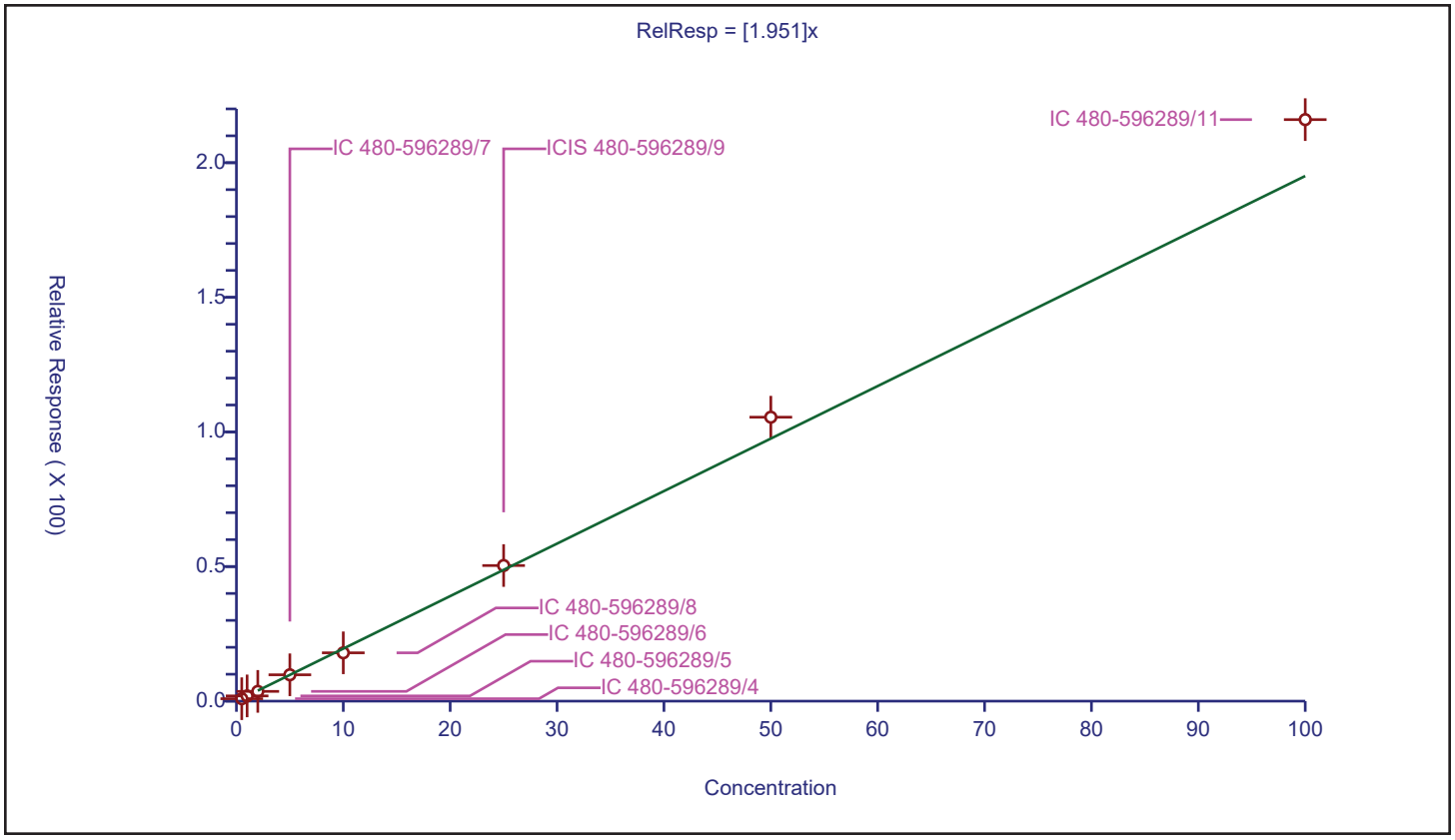
Curve Coefficients

Intercept:	0
Slope:	1.951

Error Coefficients

Standard Error:	640000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.905254	25.0	166804.0	1.810508	Y
2	IC 480-596289/5	1.0	1.94437	25.0	159409.0	1.94437	Y
3	IC 480-596289/6	2.0	3.624022	25.0	151634.0	1.812011	Y
4	IC 480-596289/7	5.0	9.794359	25.0	159574.0	1.958872	Y
5	IC 480-596289/8	10.0	17.947495	25.0	168309.0	1.79475	Y
6	ICIS 480-596289/9	25.0	50.36999	25.0	171221.0	2.0148	Y
7	IC 480-596289/10	50.0	105.48442	25.0	174549.0	2.109688	Y
8	IC 480-596289/11	100.0	216.012597	25.0	171070.0	2.160126	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

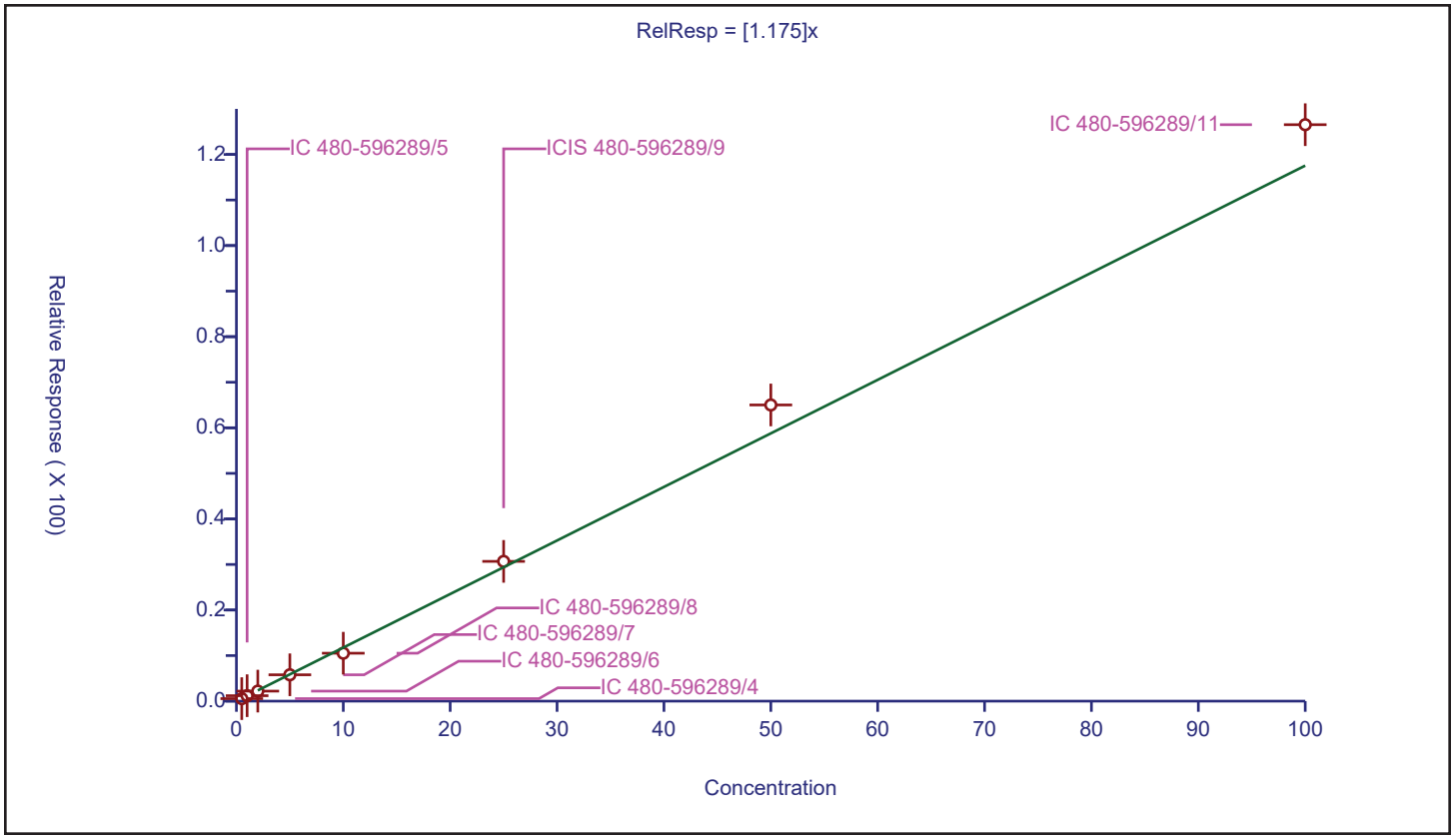
Curve Coefficients

Intercept:	0
Slope:	1.175

Error Coefficients

Standard Error:	379000
Relative Standard Error:	7.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.552894	25.0	166804.0	1.105789	Y
2	IC 480-596289/5	1.0	1.195353	25.0	159409.0	1.195353	Y
3	IC 480-596289/6	2.0	2.200694	25.0	151634.0	1.100347	Y
4	IC 480-596289/7	5.0	5.786814	25.0	159574.0	1.157363	Y
5	IC 480-596289/8	10.0	10.522907	25.0	168309.0	1.052291	Y
6	ICIS 480-596289/9	25.0	30.67775	25.0	171221.0	1.22711	Y
7	IC 480-596289/10	50.0	65.012117	25.0	174549.0	1.300242	Y
8	IC 480-596289/11	100.0	126.530514	25.0	171070.0	1.265305	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

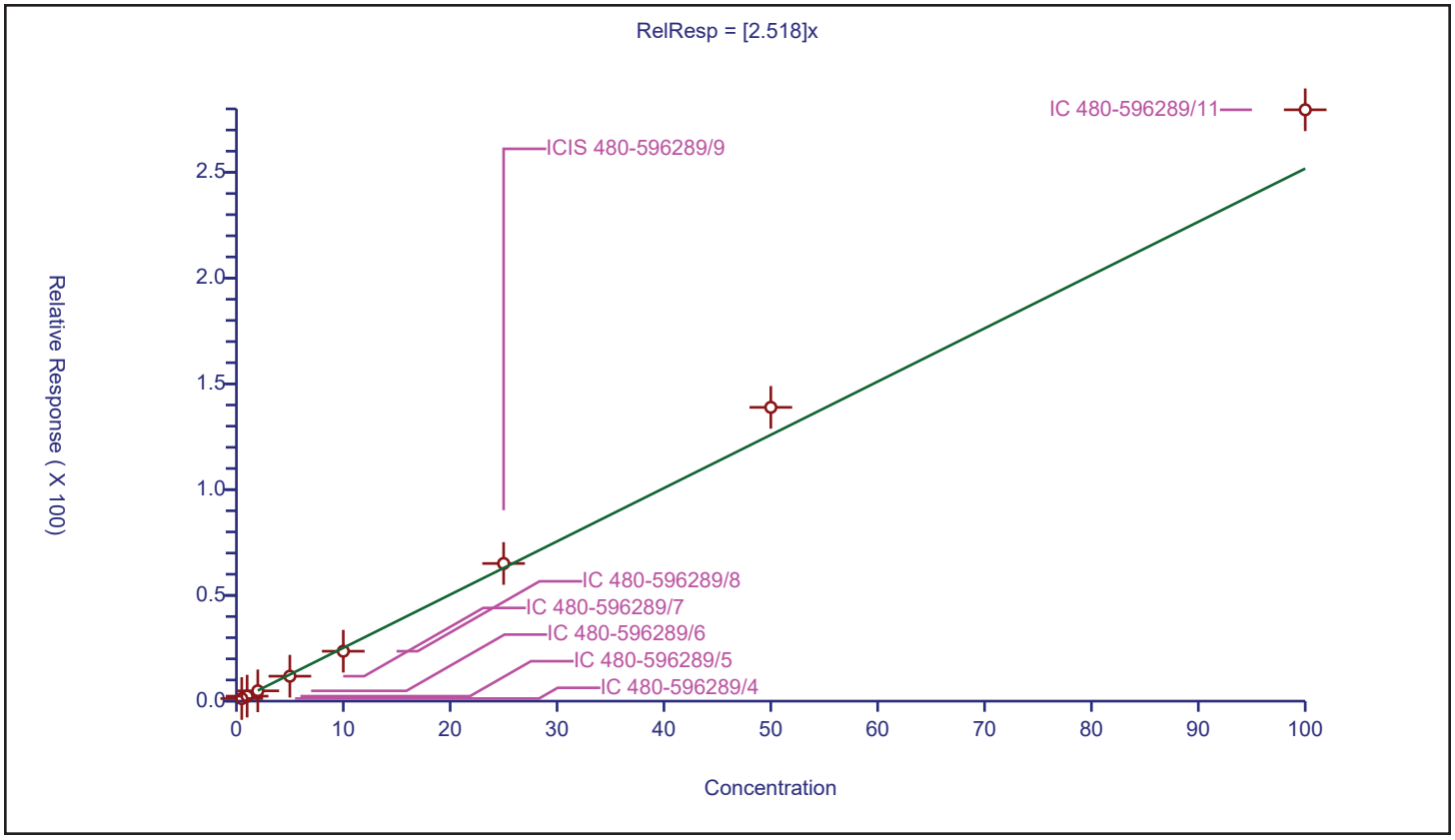
Curve Coefficients

Intercept:	0
Slope:	2.518

Error Coefficients

Standard Error:	831000
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 480-596289/4	0.5	1.227788	25.0	166804.0	2.455577	Y
2	IC 480-596289/5	1.0	2.358399	25.0	159409.0	2.358399	Y
3	IC 480-596289/6	2.0	4.86962	25.0	151634.0	2.43481	Y
4	IC 480-596289/7	5.0	11.787635	25.0	159574.0	2.357527	Y
5	IC 480-596289/8	10.0	23.597372	25.0	168309.0	2.359737	Y
6	ICIS 480-596289/9	25.0	65.075984	25.0	171221.0	2.603039	Y
7	IC 480-596289/10	50.0	138.889939	25.0	174549.0	2.777799	Y
8	IC 480-596289/11	100.0	279.571374	25.0	171070.0	2.795714	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

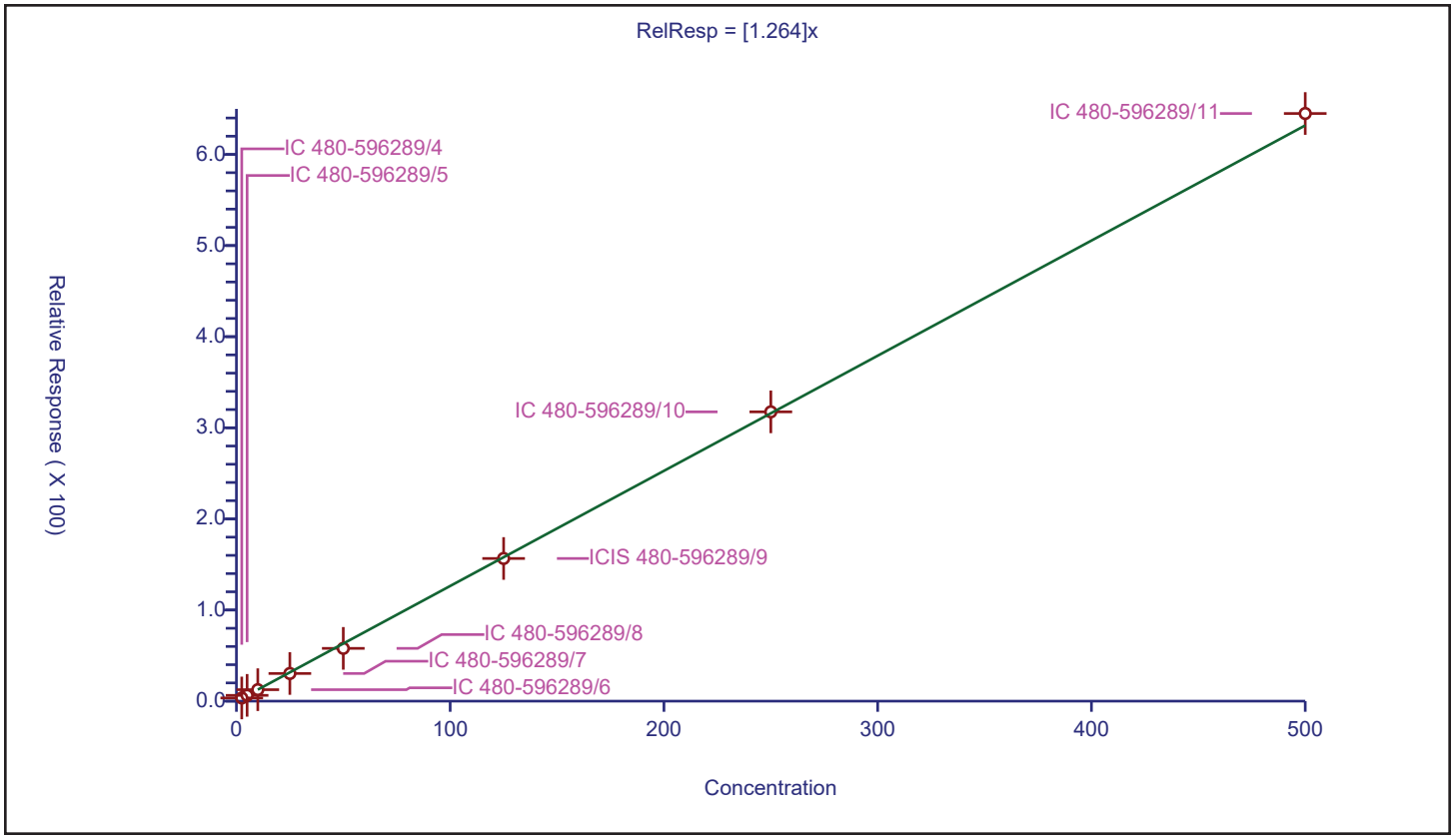
Curve Coefficients

Intercept:	0
Slope:	1.264

Error Coefficients

Standard Error:	3970000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	2.5	3.481394	25.0	352919.0	1.392557	Y
2	IC 480-596289/5	5.0	6.364117	25.0	339179.0	1.272823	Y
3	IC 480-596289/6	10.0	12.581507	25.0	318378.0	1.258151	Y
4	IC 480-596289/7	25.0	30.364472	25.0	323303.0	1.214579	Y
5	IC 480-596289/8	50.0	57.931184	25.0	338411.0	1.158624	Y
6	ICIS 480-596289/9	125.0	156.588323	25.0	348761.0	1.252707	Y
7	IC 480-596289/10	250.0	317.507484	25.0	359749.0	1.27003	Y
8	IC 480-596289/11	500.0	644.951367	25.0	355314.0	1.289903	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

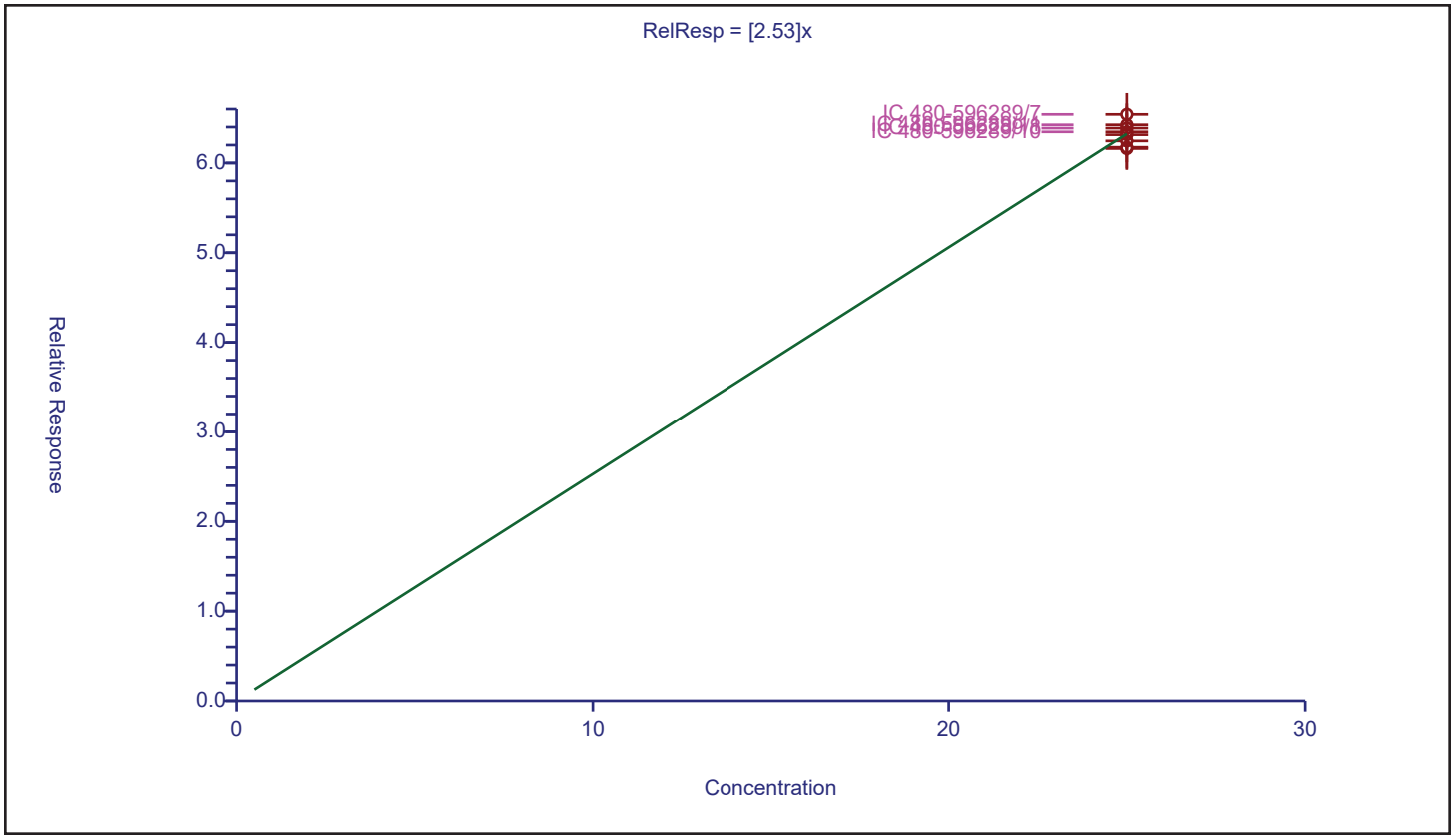
Curve Coefficients

Intercept:	0
Slope:	2.53

Error Coefficients

Standard Error:	926000
Relative Standard Error:	2.0
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	25.0	61.755318	25.0	352919.0	2.470213	Y
2	IC 480-596289/5	25.0	62.45935	25.0	339179.0	2.498374	Y
3	IC 480-596289/6	25.0	61.613004	25.0	318378.0	2.46452	Y
4	IC 480-596289/7	25.0	65.413327	25.0	323303.0	2.616533	Y
5	IC 480-596289/8	25.0	63.884818	25.0	338411.0	2.555393	Y
6	ICIS 480-596289/9	25.0	63.149693	25.0	348761.0	2.525988	Y
7	IC 480-596289/10	25.0	63.468349	25.0	359749.0	2.538734	Y
8	IC 480-596289/11	25.0	64.254645	25.0	355314.0	2.570186	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

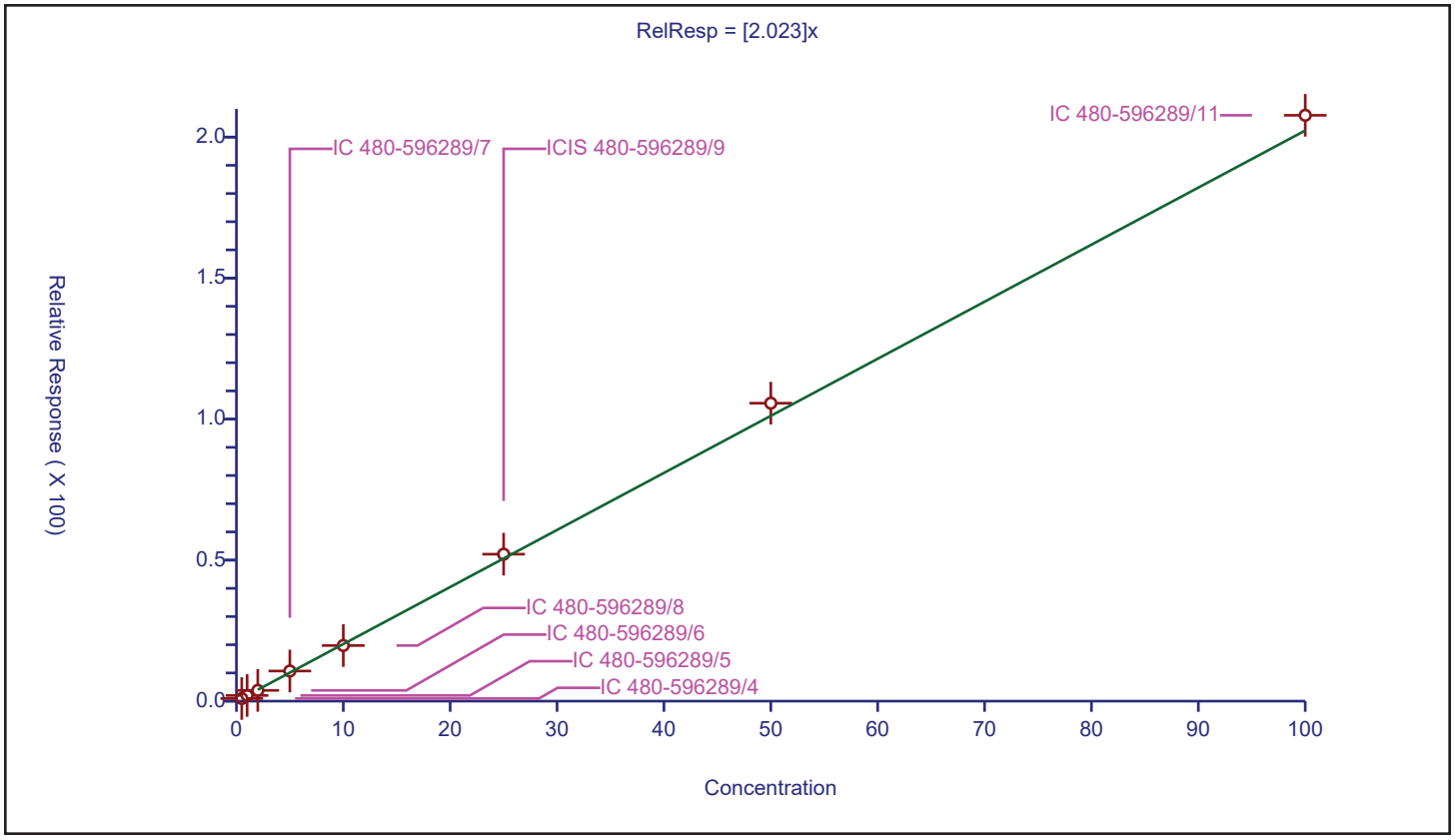
Curve Coefficients

Intercept:	0
Slope:	2.023

Error Coefficients

Standard Error:	1290000
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 480-596289/4	0.5	0.939238	25.0	352919.0	1.878476	Y
2	IC 480-596289/5	1.0	2.017077	25.0	339179.0	2.017077	Y
3	IC 480-596289/6	2.0	3.809858	25.0	318378.0	1.904929	Y
4	IC 480-596289/7	5.0	10.689431	25.0	323303.0	2.137886	Y
5	IC 480-596289/8	10.0	19.72727	25.0	338411.0	1.972727	Y
6	ICIS 480-596289/9	25.0	52.110686	25.0	348761.0	2.084427	Y
7	IC 480-596289/10	50.0	105.650606	25.0	359749.0	2.113012	Y
8	IC 480-596289/11	100.0	207.732527	25.0	355314.0	2.077325	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

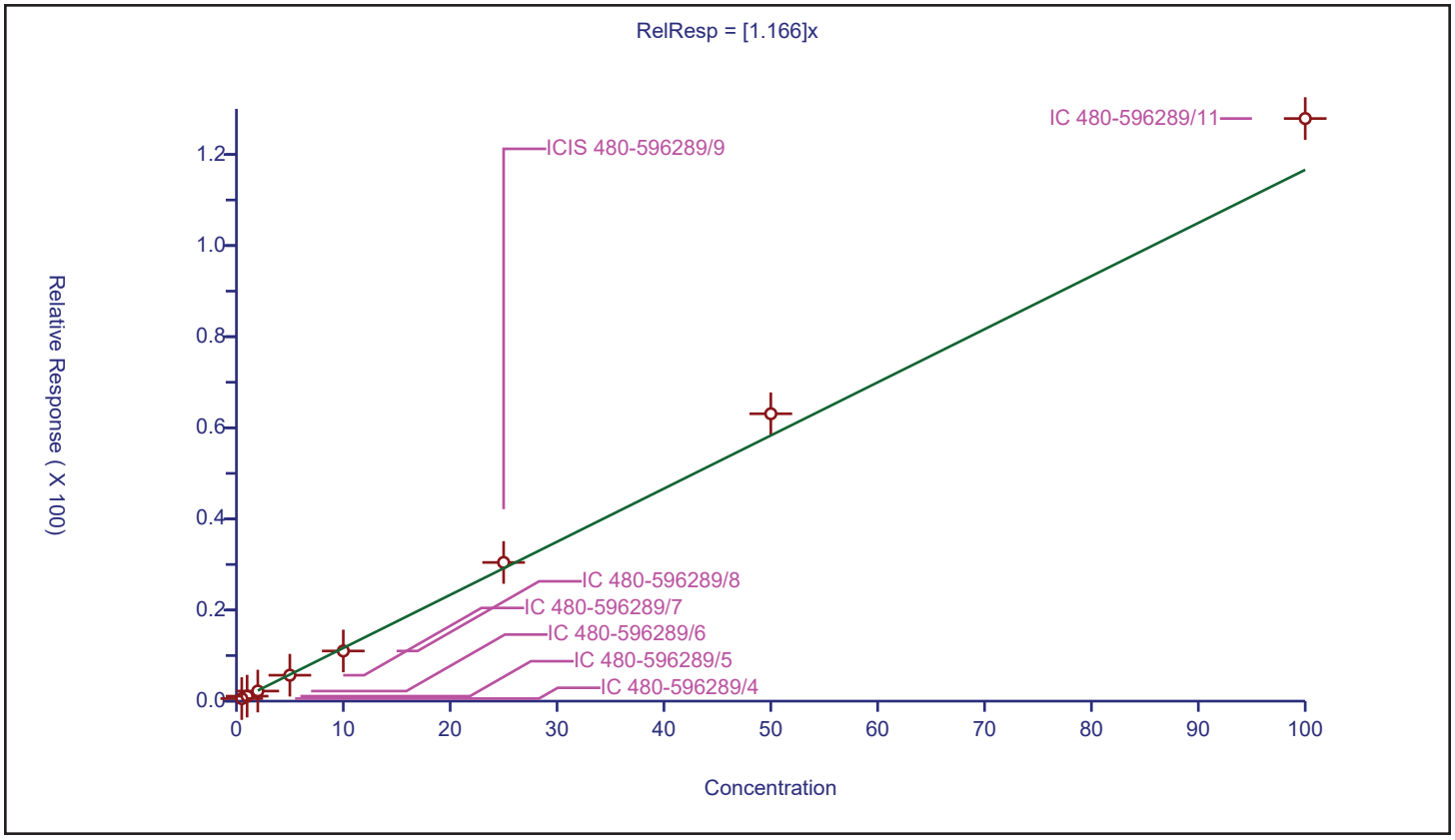
Curve Coefficients

Intercept:	0
Slope:	1.166

Error Coefficients

Standard Error:	787000
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 480-596289/4	0.5	0.564931	25.0	352919.0	1.129863	Y
2	IC 480-596289/5	1.0	1.095439	25.0	339179.0	1.095439	Y
3	IC 480-596289/6	2.0	2.214113	25.0	318378.0	1.107057	Y
4	IC 480-596289/7	5.0	5.692261	25.0	323303.0	1.138452	Y
5	IC 480-596289/8	10.0	11.011536	25.0	338411.0	1.101154	Y
6	ICIS 480-596289/9	25.0	30.444201	25.0	348761.0	1.217768	Y
7	IC 480-596289/10	50.0	63.086416	25.0	359749.0	1.261728	Y
8	IC 480-596289/11	100.0	127.885617	25.0	355314.0	1.278856	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

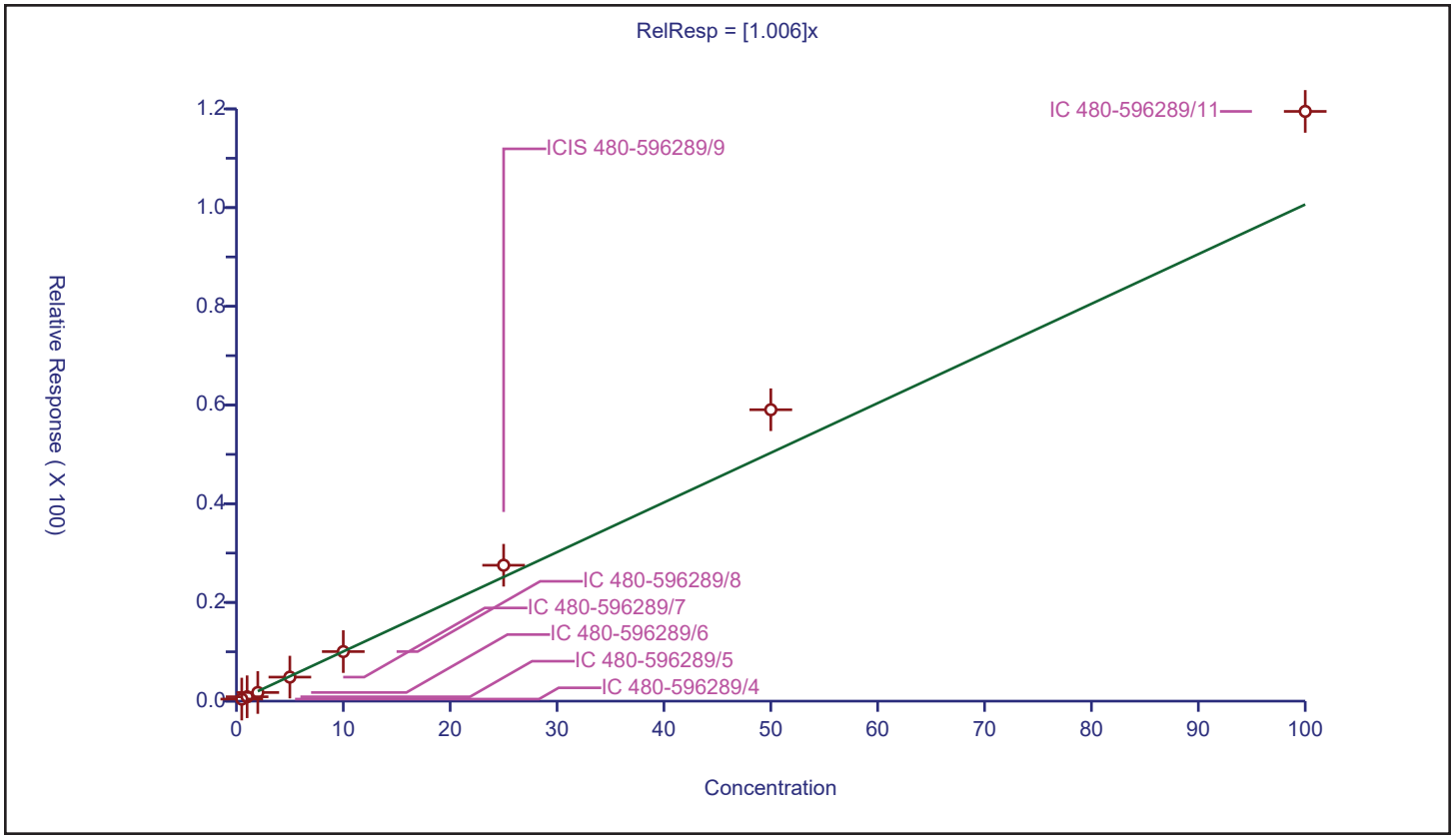
Curve Coefficients

Intercept:	0
Slope:	1.006

Error Coefficients

Standard Error:	734000
Relative Standard Error:	13.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.41603	25.0	352919.0	0.832061	Y
2	IC 480-596289/5	1.0	0.885963	25.0	339179.0	0.885963	Y
3	IC 480-596289/6	2.0	1.753497	25.0	318378.0	0.876749	Y
4	IC 480-596289/7	5.0	4.872906	25.0	323303.0	0.974581	Y
5	IC 480-596289/8	10.0	10.040823	25.0	338411.0	1.004082	Y
6	ICIS 480-596289/9	25.0	27.534114	25.0	348761.0	1.101365	Y
7	IC 480-596289/10	50.0	59.043875	25.0	359749.0	1.180878	Y
8	IC 480-596289/11	100.0	119.493603	25.0	355314.0	1.194936	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

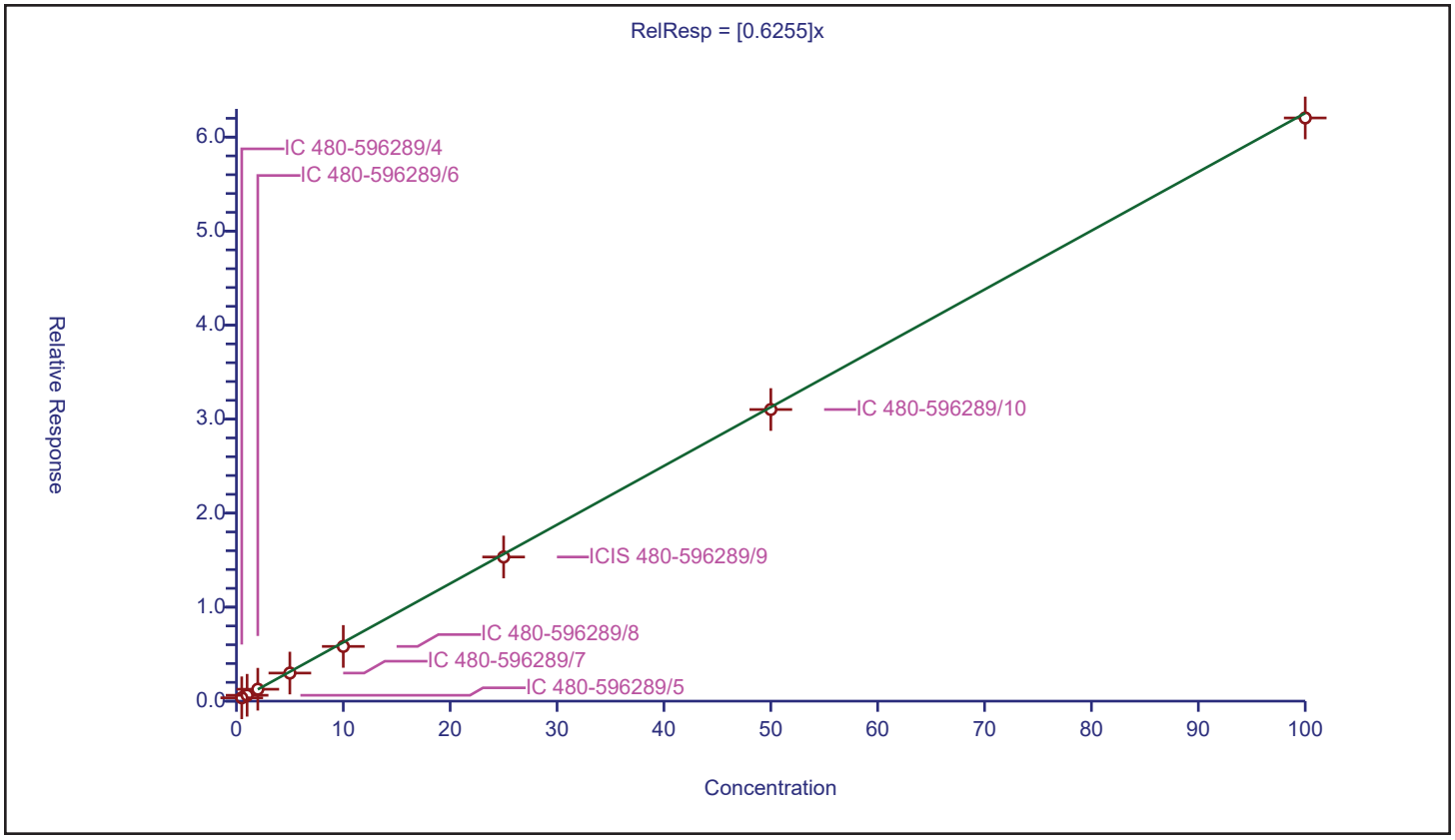
Curve Coefficients

Intercept:	0
Slope:	0.6255

Error Coefficients

Standard Error:	384000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.355181	25.0	352919.0	0.710361	Y
2	IC 480-596289/5	1.0	0.625334	25.0	339179.0	0.625334	Y
3	IC 480-596289/6	2.0	1.26901	25.0	318378.0	0.634505	Y
4	IC 480-596289/7	5.0	2.988218	25.0	323303.0	0.597644	Y
5	IC 480-596289/8	10.0	5.819772	25.0	338411.0	0.581977	Y
6	ICIS 480-596289/9	25.0	15.335359	25.0	348761.0	0.613414	Y
7	IC 480-596289/10	50.0	31.023088	25.0	359749.0	0.620462	Y
8	IC 480-596289/11	100.0	62.037451	25.0	355314.0	0.620375	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

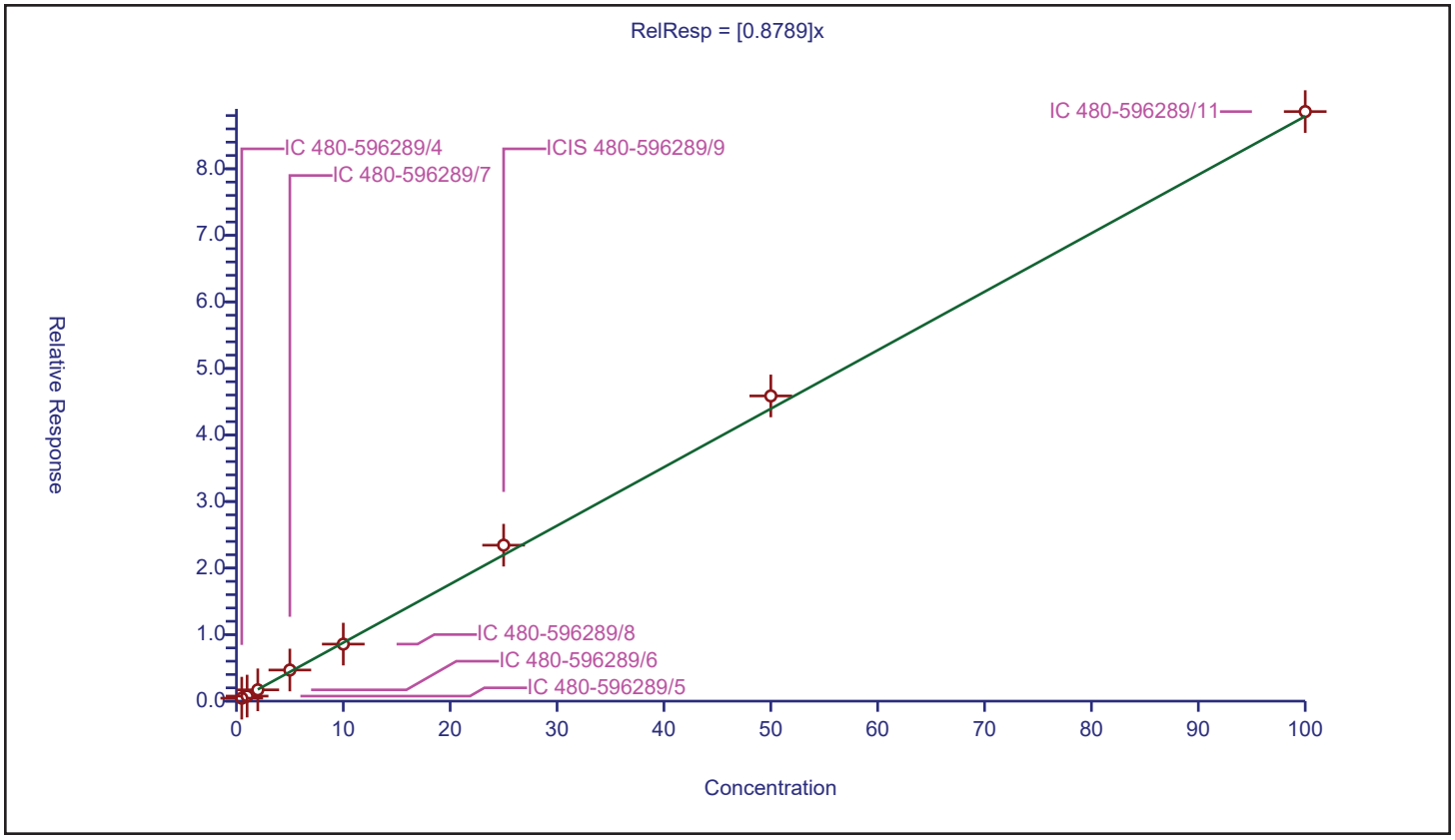
Curve Coefficients

Intercept:	0
Slope:	0.8789

Error Coefficients

Standard Error:	554000
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 480-596289/4	0.5	0.444436	25.0	352919.0	0.888873	Y
2	IC 480-596289/5	1.0	0.759923	25.0	339179.0	0.759923	Y
3	IC 480-596289/6	2.0	1.698924	25.0	318378.0	0.849462	Y
4	IC 480-596289/7	5.0	4.675413	25.0	323303.0	0.935083	Y
5	IC 480-596289/8	10.0	8.571161	25.0	338411.0	0.857116	Y
6	ICIS 480-596289/9	25.0	23.436107	25.0	348761.0	0.937444	Y
7	IC 480-596289/10	50.0	45.86684	25.0	359749.0	0.917337	Y
8	IC 480-596289/11	100.0	88.59558	25.0	355314.0	0.885956	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

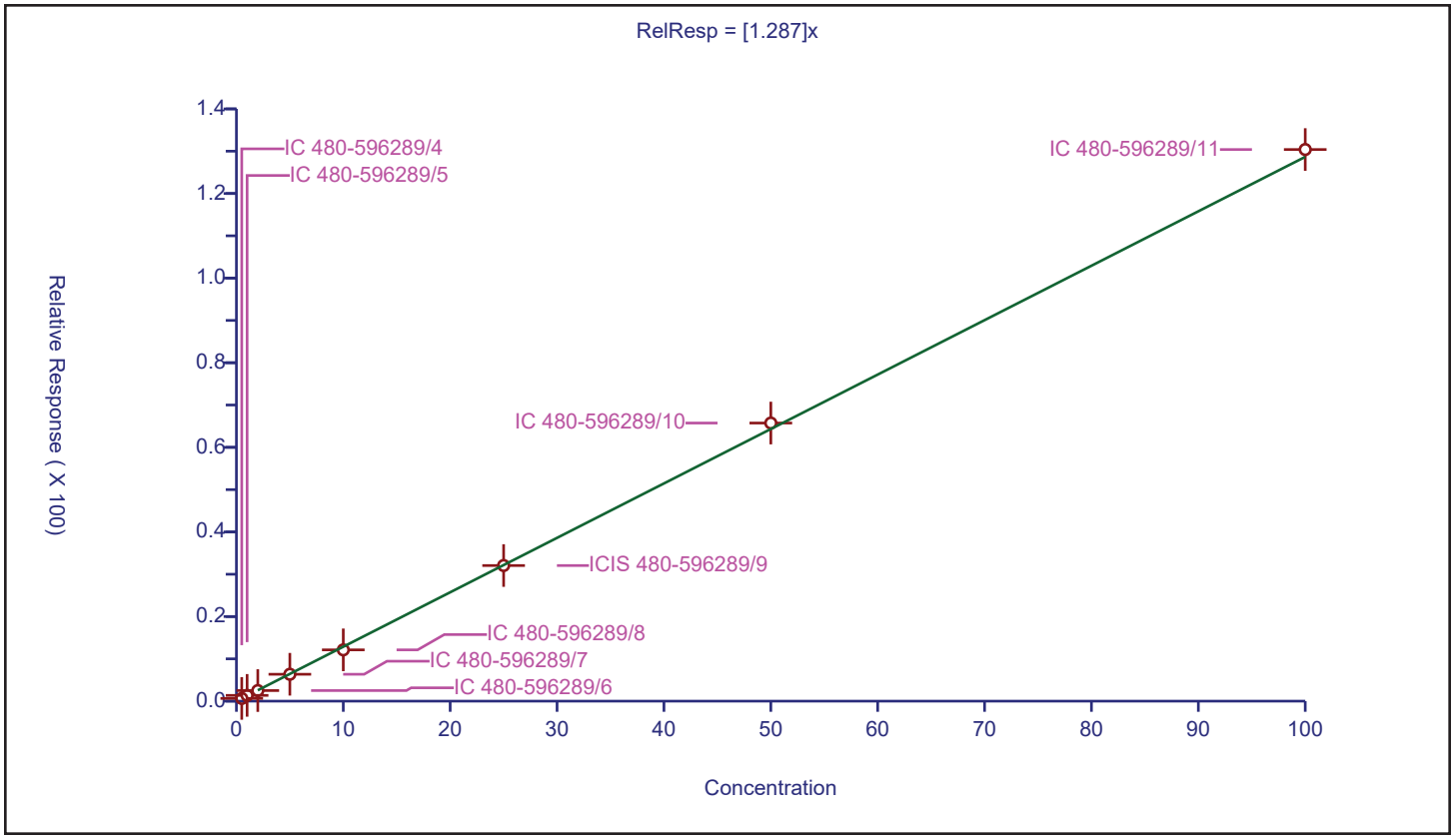
Curve Coefficients

Intercept:	0
Slope:	1.287

Error Coefficients

Standard Error:	807000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.646891	25.0	352919.0	1.293781	Y
2	IC 480-596289/5	1.0	1.36285	25.0	339179.0	1.36285	Y
3	IC 480-596289/6	2.0	2.502136	25.0	318378.0	1.251068	Y
4	IC 480-596289/7	5.0	6.357194	25.0	323303.0	1.271439	Y
5	IC 480-596289/8	10.0	12.124015	25.0	338411.0	1.212401	Y
6	ICIS 480-596289/9	25.0	32.058487	25.0	348761.0	1.282339	Y
7	IC 480-596289/10	50.0	65.73889	25.0	359749.0	1.314778	Y
8	IC 480-596289/11	100.0	130.391147	25.0	355314.0	1.303911	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

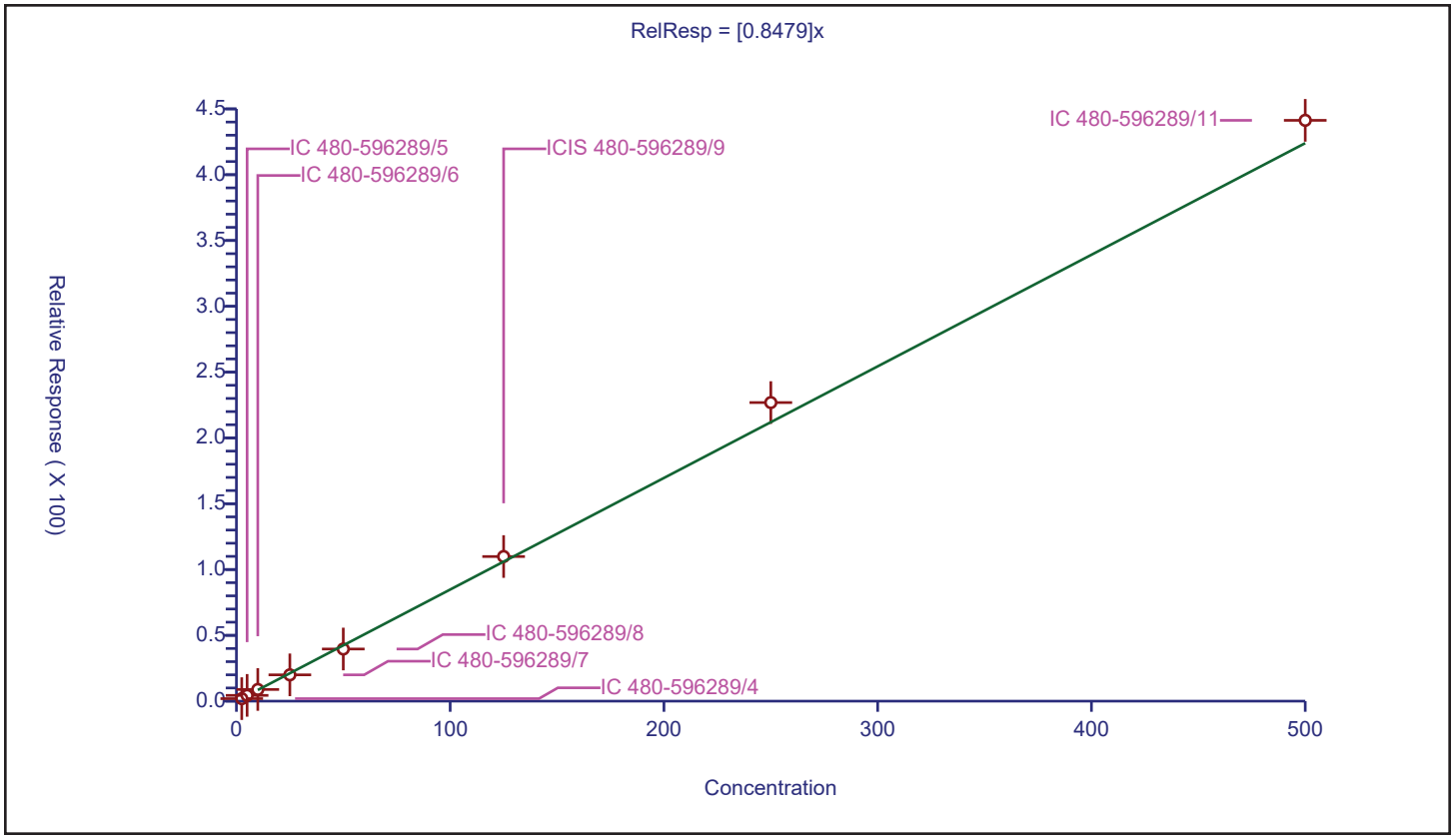
Curve Coefficients

Intercept:	0
Slope:	0.8479

Error Coefficients

Standard Error:	2740000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	2.5	1.904403	25.0	352919.0	0.761761	Y
2	IC 480-596289/5	5.0	4.373133	25.0	339179.0	0.874627	Y
3	IC 480-596289/6	10.0	8.864384	25.0	318378.0	0.886438	Y
4	IC 480-596289/7	25.0	19.97739	25.0	323303.0	0.799096	Y
5	IC 480-596289/8	50.0	39.612779	25.0	338411.0	0.792256	Y
6	ICIS 480-596289/9	125.0	109.868506	25.0	348761.0	0.878948	Y
7	IC 480-596289/10	250.0	226.860533	25.0	359749.0	0.907442	Y
8	IC 480-596289/11	500.0	441.301075	25.0	355314.0	0.882602	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

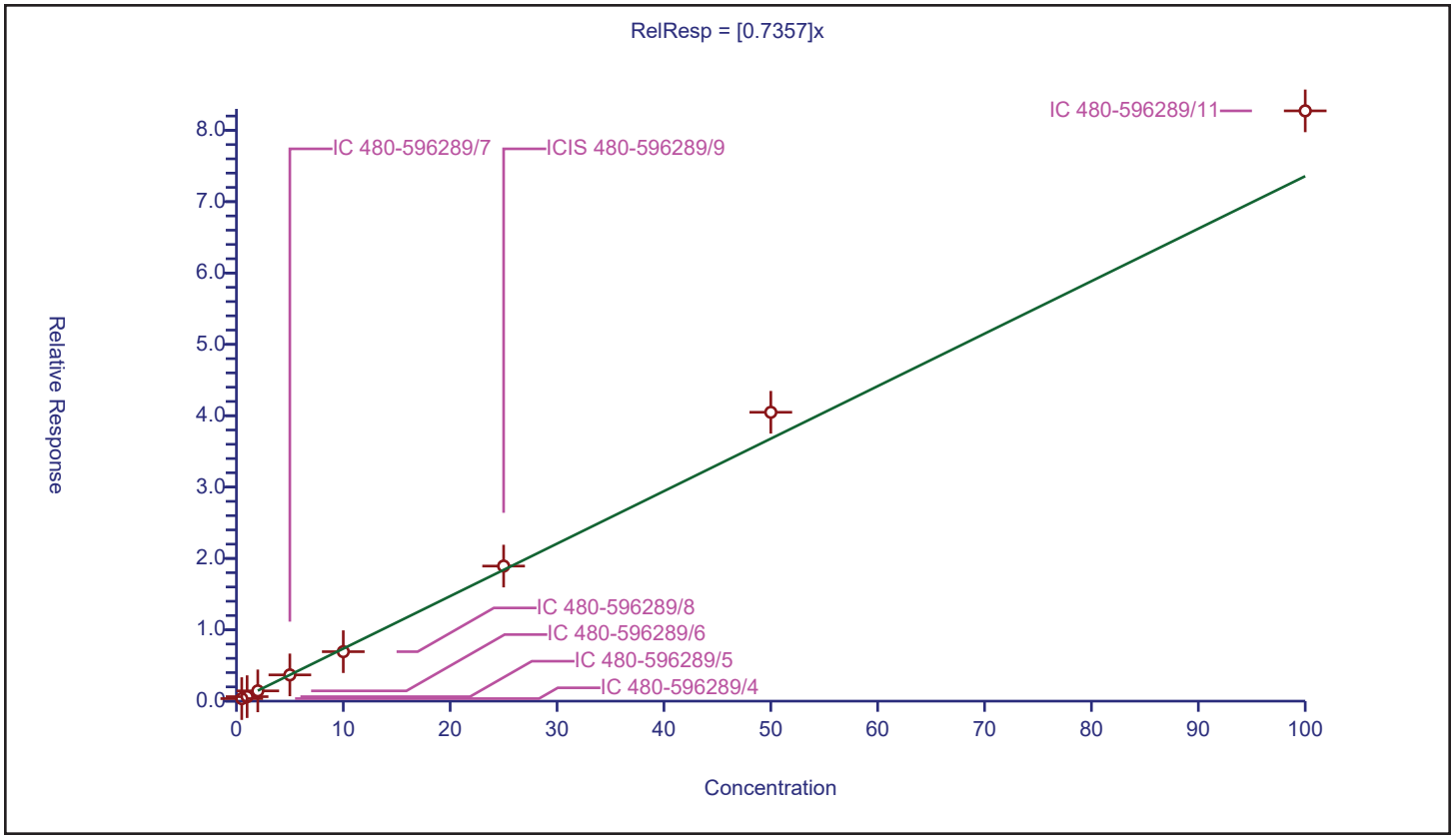
Curve Coefficients

Intercept:	0
Slope:	0.7357

Error Coefficients

Standard Error:	507000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.356739	25.0	352919.0	0.713478	Y
2	IC 480-596289/5	1.0	0.630346	25.0	339179.0	0.630346	Y
3	IC 480-596289/6	2.0	1.437128	25.0	318378.0	0.718564	Y
4	IC 480-596289/7	5.0	3.678593	25.0	323303.0	0.735719	Y
5	IC 480-596289/8	10.0	6.934393	25.0	338411.0	0.693439	Y
6	ICIS 480-596289/9	25.0	18.928794	25.0	348761.0	0.757152	Y
7	IC 480-596289/10	50.0	40.483782	25.0	359749.0	0.809676	Y
8	IC 480-596289/11	100.0	82.72345	25.0	355314.0	0.827235	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

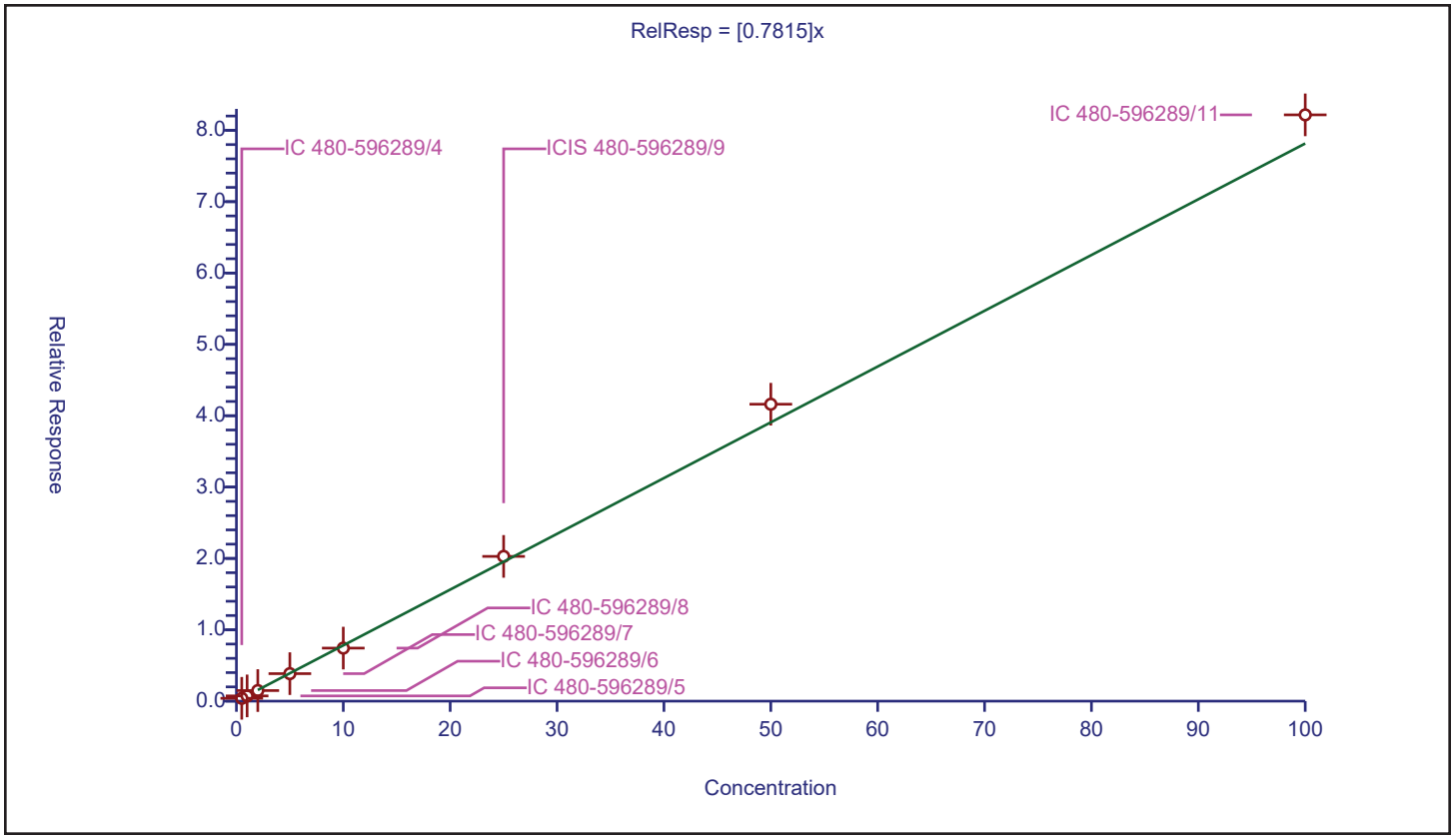
Curve Coefficients

Intercept:	0
Slope:	0.7815

Error Coefficients

Standard Error:	509000
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 480-596289/4	0.5	0.398817	25.0	352919.0	0.797633	Y
2	IC 480-596289/5	1.0	0.732504	25.0	339179.0	0.732504	Y
3	IC 480-596289/6	2.0	1.485263	25.0	318378.0	0.742631	Y
4	IC 480-596289/7	5.0	3.853274	25.0	323303.0	0.770655	Y
5	IC 480-596289/8	10.0	7.432678	25.0	338411.0	0.743268	Y
6	ICIS 480-596289/9	25.0	20.286099	25.0	348761.0	0.811444	Y
7	IC 480-596289/10	50.0	41.614431	25.0	359749.0	0.832289	Y
8	IC 480-596289/11	100.0	82.163804	25.0	355314.0	0.821638	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

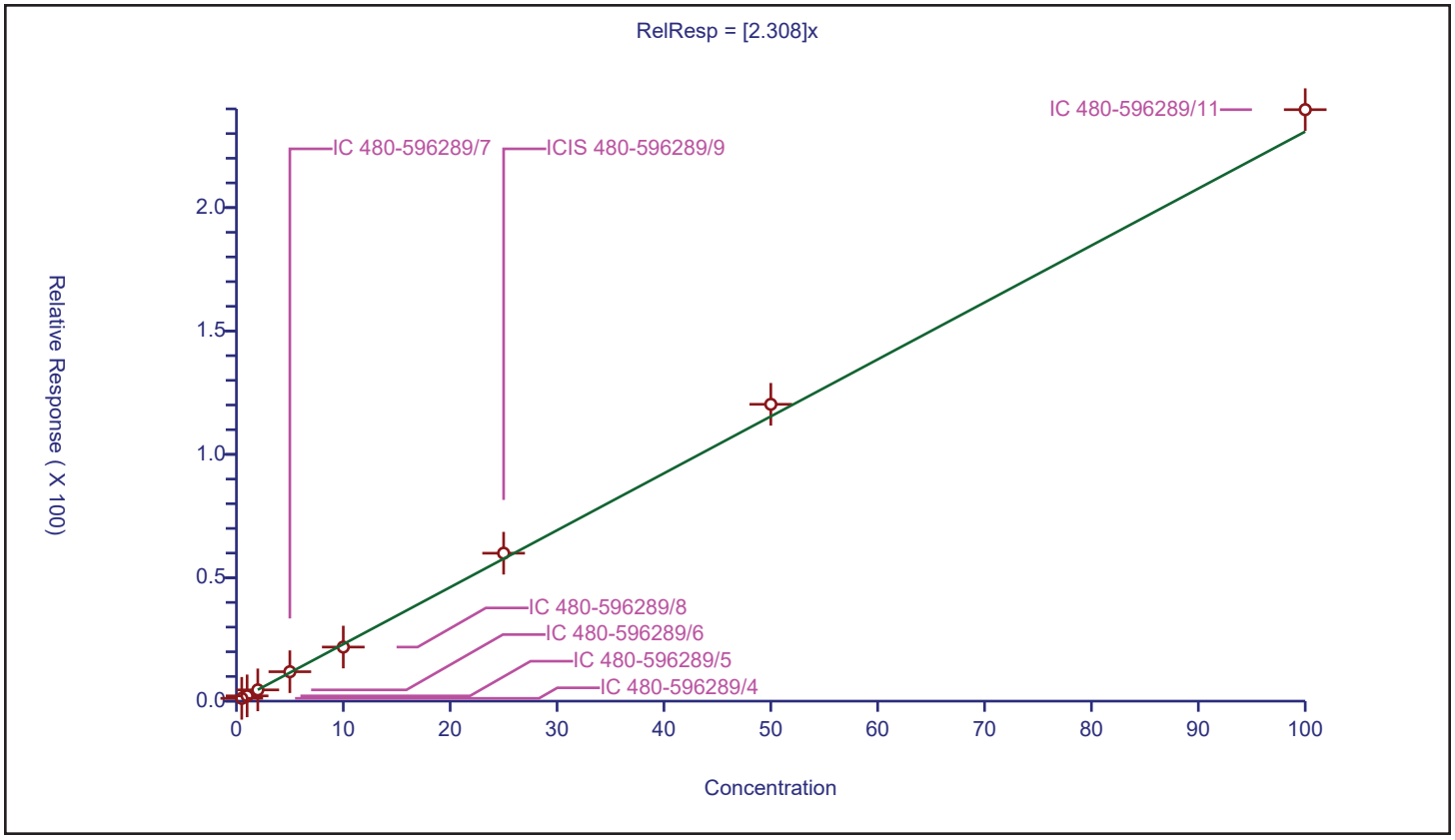
Curve Coefficients

Intercept:	0
Slope:	2.308

Error Coefficients

Standard Error:	1480000
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 480-596289/4	0.5	1.138292	25.0	352919.0	2.276585	Y
2	IC 480-596289/5	1.0	2.131102	25.0	339179.0	2.131102	Y
3	IC 480-596289/6	2.0	4.559203	25.0	318378.0	2.279602	Y
4	IC 480-596289/7	5.0	11.920242	25.0	323303.0	2.384048	Y
5	IC 480-596289/8	10.0	21.915363	25.0	338411.0	2.191536	Y
6	ICIS 480-596289/9	25.0	59.952589	25.0	348761.0	2.398104	Y
7	IC 480-596289/10	50.0	120.298319	25.0	359749.0	2.405966	Y
8	IC 480-596289/11	100.0	239.685743	25.0	355314.0	2.396857	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

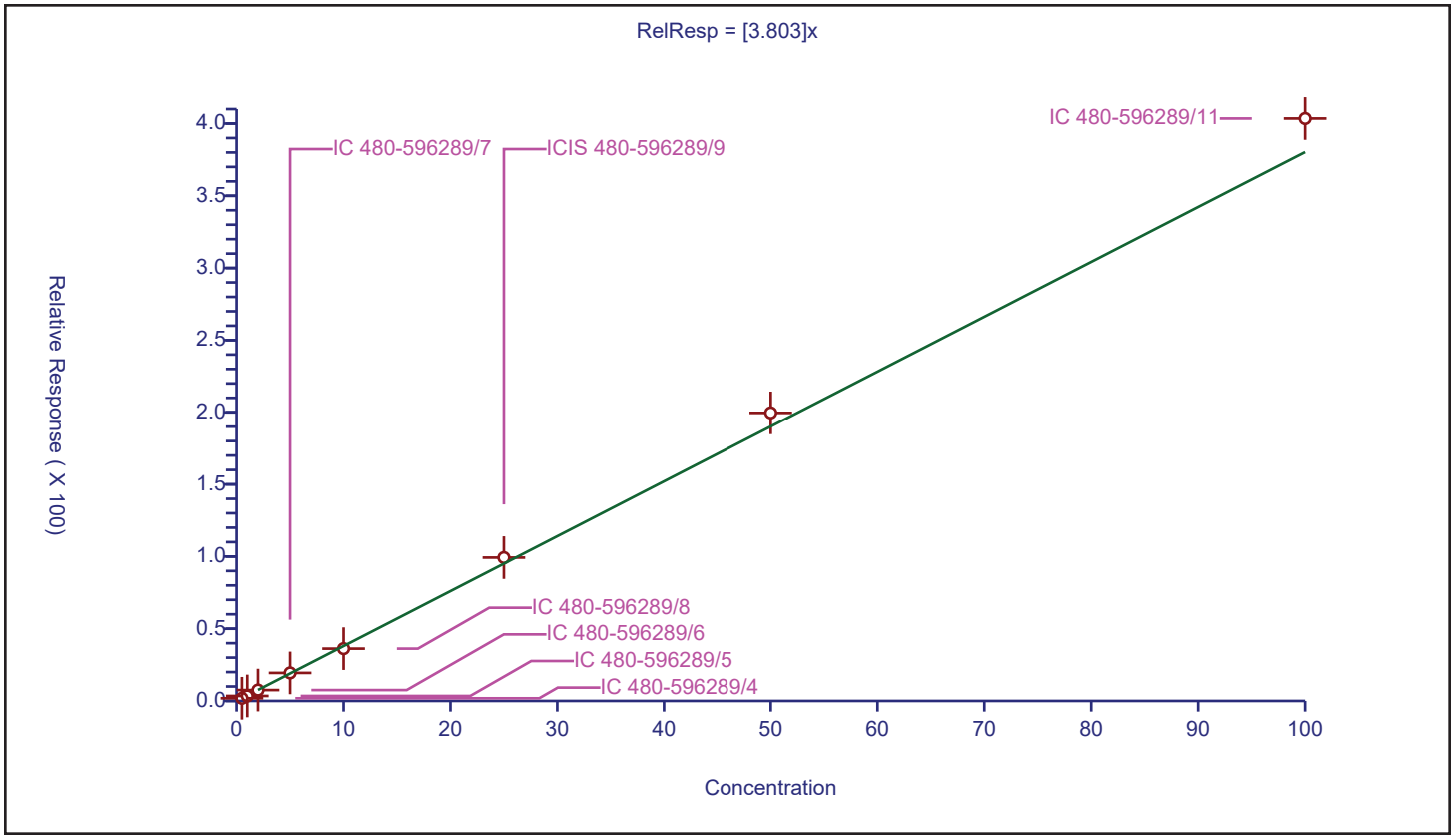
Curve Coefficients

Intercept:	0
Slope:	3.803

Error Coefficients

Standard Error:	2490000
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 480-596289/4	0.5	1.852337	25.0	352919.0	3.704674	Y
2	IC 480-596289/5	1.0	3.453265	25.0	339179.0	3.453265	Y
3	IC 480-596289/6	2.0	7.528551	25.0	318378.0	3.764275	Y
4	IC 480-596289/7	5.0	19.397129	25.0	323303.0	3.879426	Y
5	IC 480-596289/8	10.0	36.223039	25.0	338411.0	3.622304	Y
6	ICIS 480-596289/9	25.0	99.289055	25.0	348761.0	3.971562	Y
7	IC 480-596289/10	50.0	199.589366	25.0	359749.0	3.991787	Y
8	IC 480-596289/11	100.0	403.505421	25.0	355314.0	4.035054	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

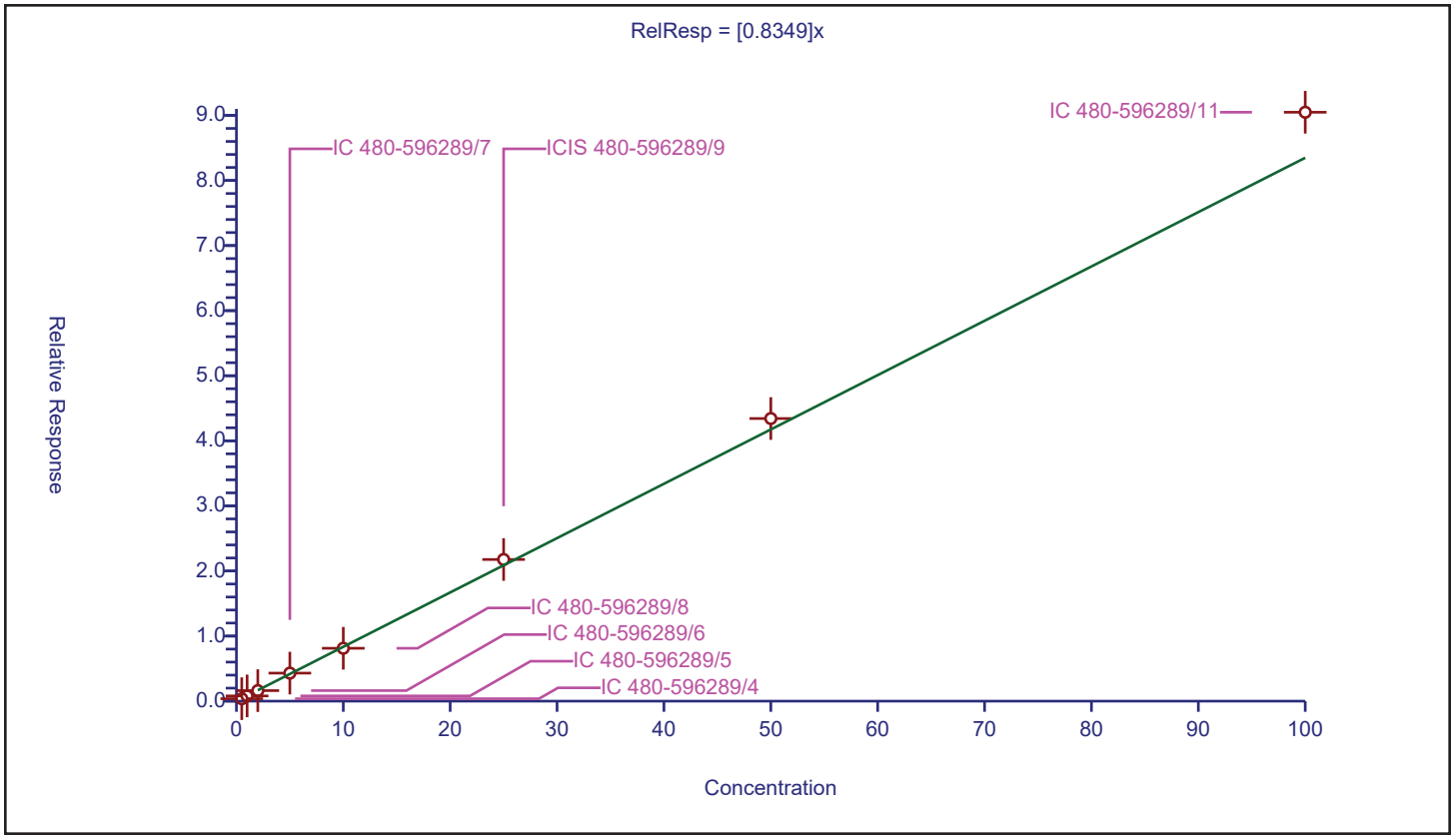
Curve Coefficients

Intercept:	0
Slope:	0.8349

Error Coefficients

Standard Error:	554000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.374732	25.0	352919.0	0.749464	Y
2	IC 480-596289/5	1.0	0.803189	25.0	339179.0	0.803189	Y
3	IC 480-596289/6	2.0	1.617024	25.0	318378.0	0.808512	Y
4	IC 480-596289/7	5.0	4.306873	25.0	323303.0	0.861375	Y
5	IC 480-596289/8	10.0	8.125253	25.0	338411.0	0.812525	Y
6	ICIS 480-596289/9	25.0	21.765192	25.0	348761.0	0.870608	Y
7	IC 480-596289/10	50.0	43.42618	25.0	359749.0	0.868524	Y
8	IC 480-596289/11	100.0	90.484262	25.0	355314.0	0.904843	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

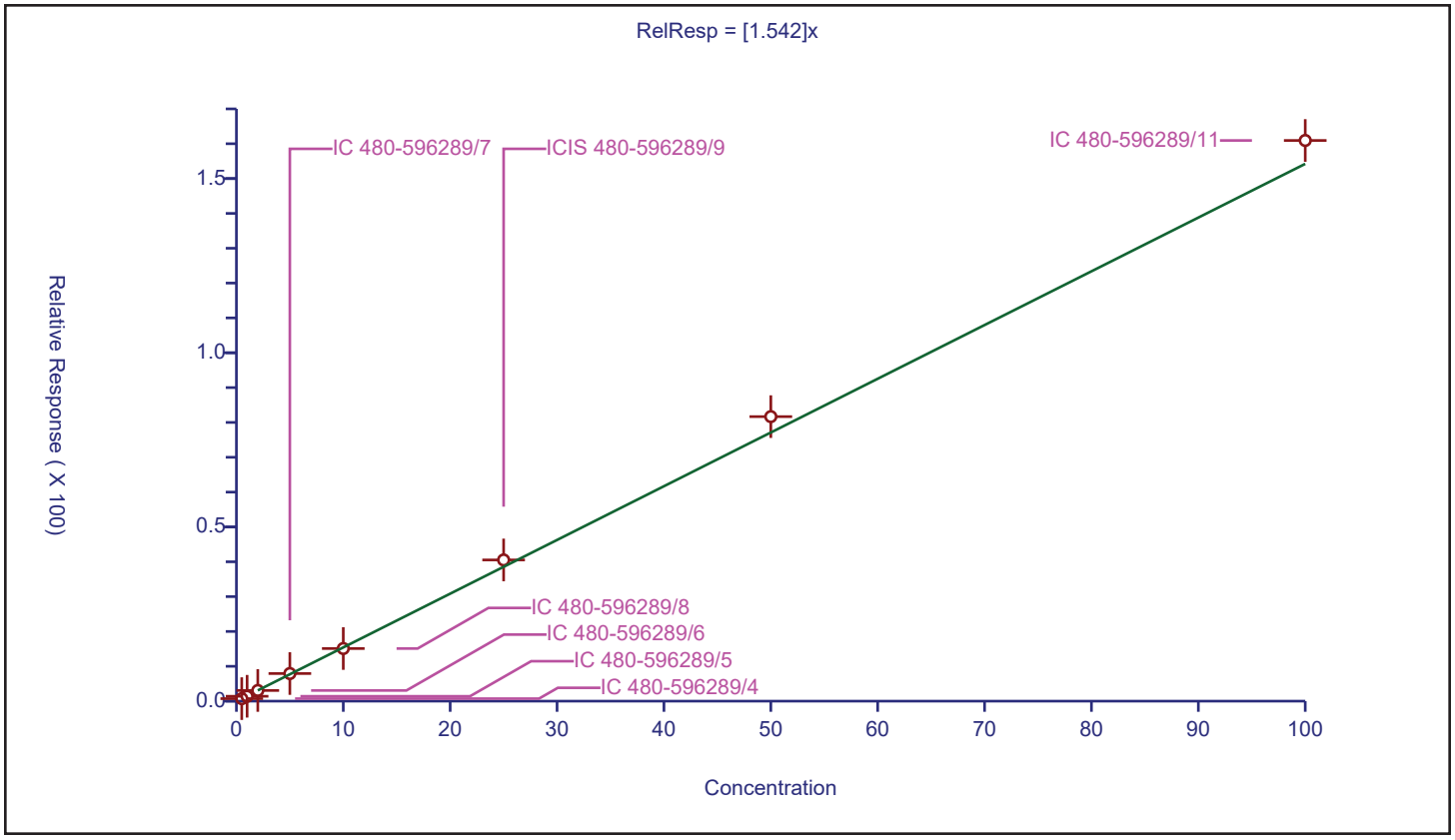
Curve Coefficients

Intercept:	0
Slope:	1.542

Error Coefficients

Standard Error:	999000
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 480-596289/4	0.5	0.721979	25.0	352919.0	1.443957	Y
2	IC 480-596289/5	1.0	1.404863	25.0	339179.0	1.404863	Y
3	IC 480-596289/6	2.0	3.059178	25.0	318378.0	1.529589	Y
4	IC 480-596289/7	5.0	7.924609	25.0	323303.0	1.584922	Y
5	IC 480-596289/8	10.0	15.106335	25.0	338411.0	1.510634	Y
6	ICIS 480-596289/9	25.0	40.531983	25.0	348761.0	1.621279	Y
7	IC 480-596289/10	50.0	81.668469	25.0	359749.0	1.633369	Y
8	IC 480-596289/11	100.0	160.930965	25.0	355314.0	1.60931	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

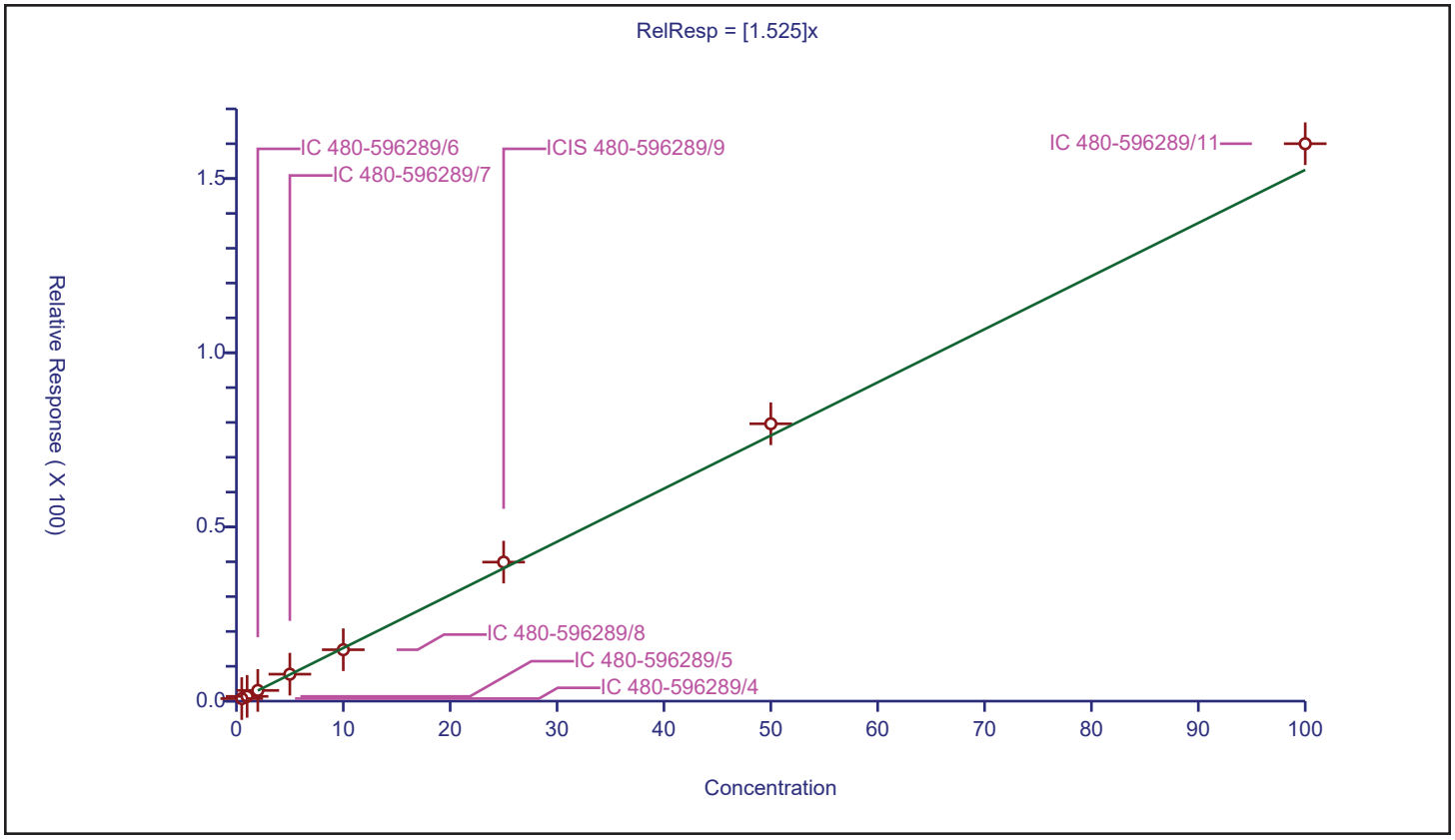
Curve Coefficients

Intercept:	0
Slope:	1.525

Error Coefficients

Standard Error:	989000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.739688	25.0	352919.0	1.479376	Y
2	IC 480-596289/5	1.0	1.368894	25.0	339179.0	1.368894	Y
3	IC 480-596289/6	2.0	3.076689	25.0	318378.0	1.538344	Y
4	IC 480-596289/7	5.0	7.742273	25.0	323303.0	1.548455	Y
5	IC 480-596289/8	10.0	14.758386	25.0	338411.0	1.475839	Y
6	ICIS 480-596289/9	25.0	39.912648	25.0	348761.0	1.596506	Y
7	IC 480-596289/10	50.0	79.617456	25.0	359749.0	1.592349	Y
8	IC 480-596289/11	100.0	160.006923	25.0	355314.0	1.600069	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

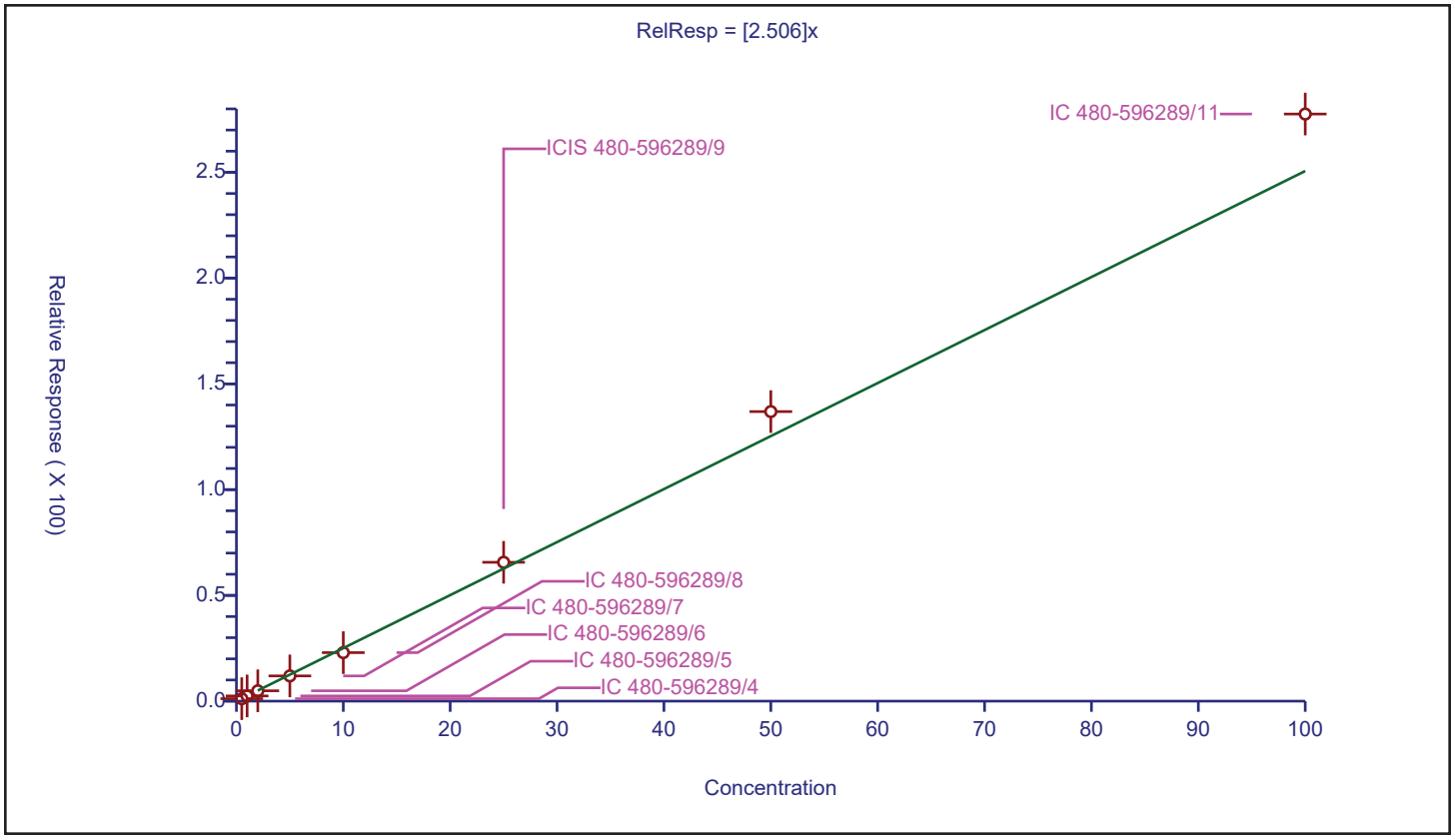
Curve Coefficients

Intercept:	0
Slope:	2.506

Error Coefficients

Standard Error:	1710000
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 480-596289/4	0.5	1.165919	25.0	352919.0	2.331838	Y
2	IC 480-596289/5	1.0	2.456667	25.0	339179.0	2.456667	Y
3	IC 480-596289/6	2.0	4.886723	25.0	318378.0	2.443361	Y
4	IC 480-596289/7	5.0	11.929753	25.0	323303.0	2.385951	Y
5	IC 480-596289/8	10.0	22.931214	25.0	338411.0	2.293121	Y
6	ICIS 480-596289/9	25.0	65.642517	25.0	348761.0	2.625701	Y
7	IC 480-596289/10	50.0	136.890513	25.0	359749.0	2.73781	Y
8	IC 480-596289/11	100.0	277.572302	25.0	355314.0	2.775723	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

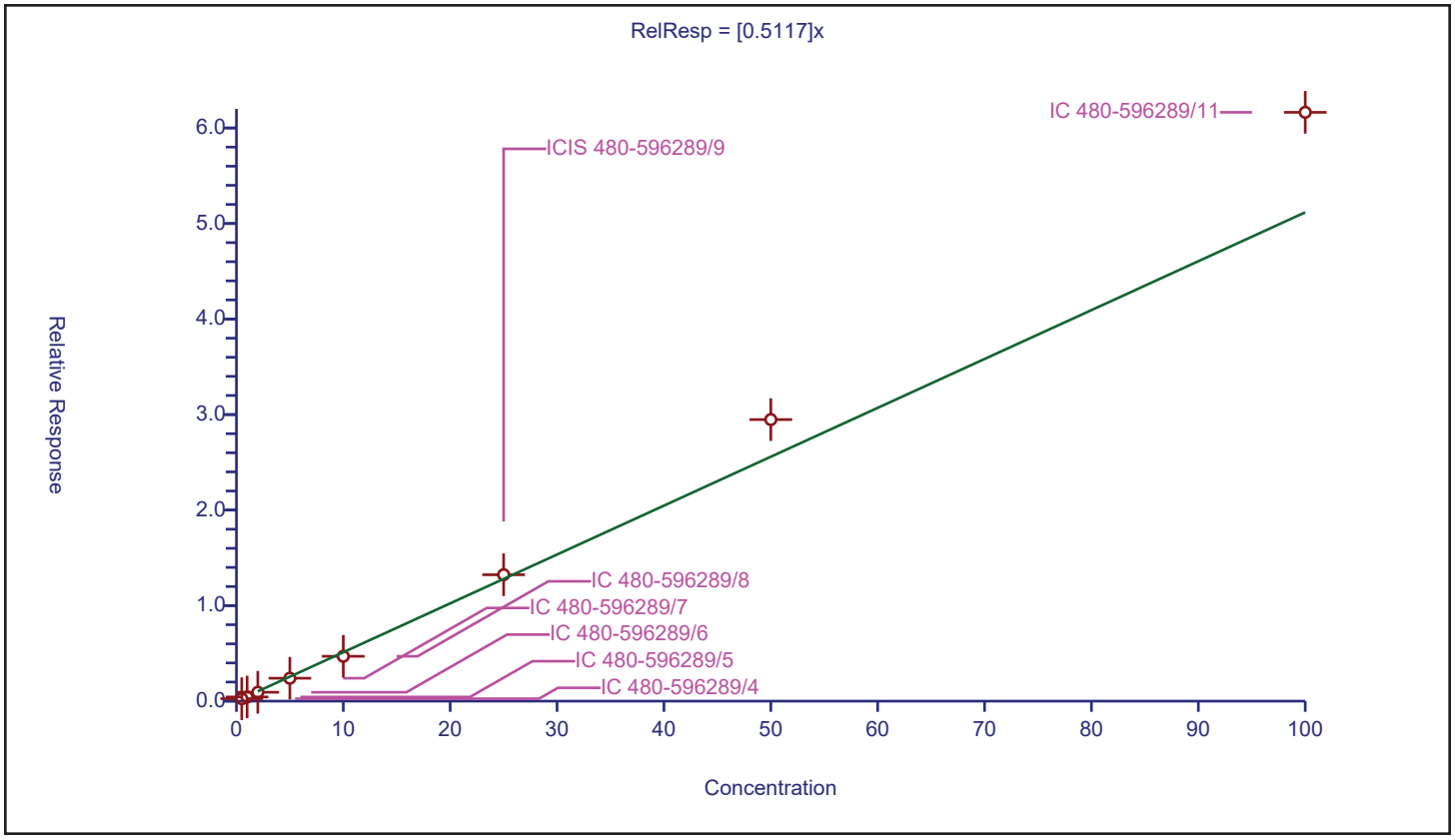
Curve Coefficients

Intercept:	0
Slope:	0.5117

Error Coefficients

Standard Error:	375000
Relative Standard Error:	12.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.254449	25.0	352919.0	0.508899	Y
2	IC 480-596289/5	1.0	0.435463	25.0	339179.0	0.435463	Y
3	IC 480-596289/6	2.0	0.929398	25.0	318378.0	0.464699	Y
4	IC 480-596289/7	5.0	2.398756	25.0	323303.0	0.479751	Y
5	IC 480-596289/8	10.0	4.696065	25.0	338411.0	0.469606	Y
6	ICIS 480-596289/9	25.0	13.231984	25.0	348761.0	0.529279	Y
7	IC 480-596289/10	50.0	29.475273	25.0	359749.0	0.589505	Y
8	IC 480-596289/11	100.0	61.639845	25.0	355314.0	0.616398	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

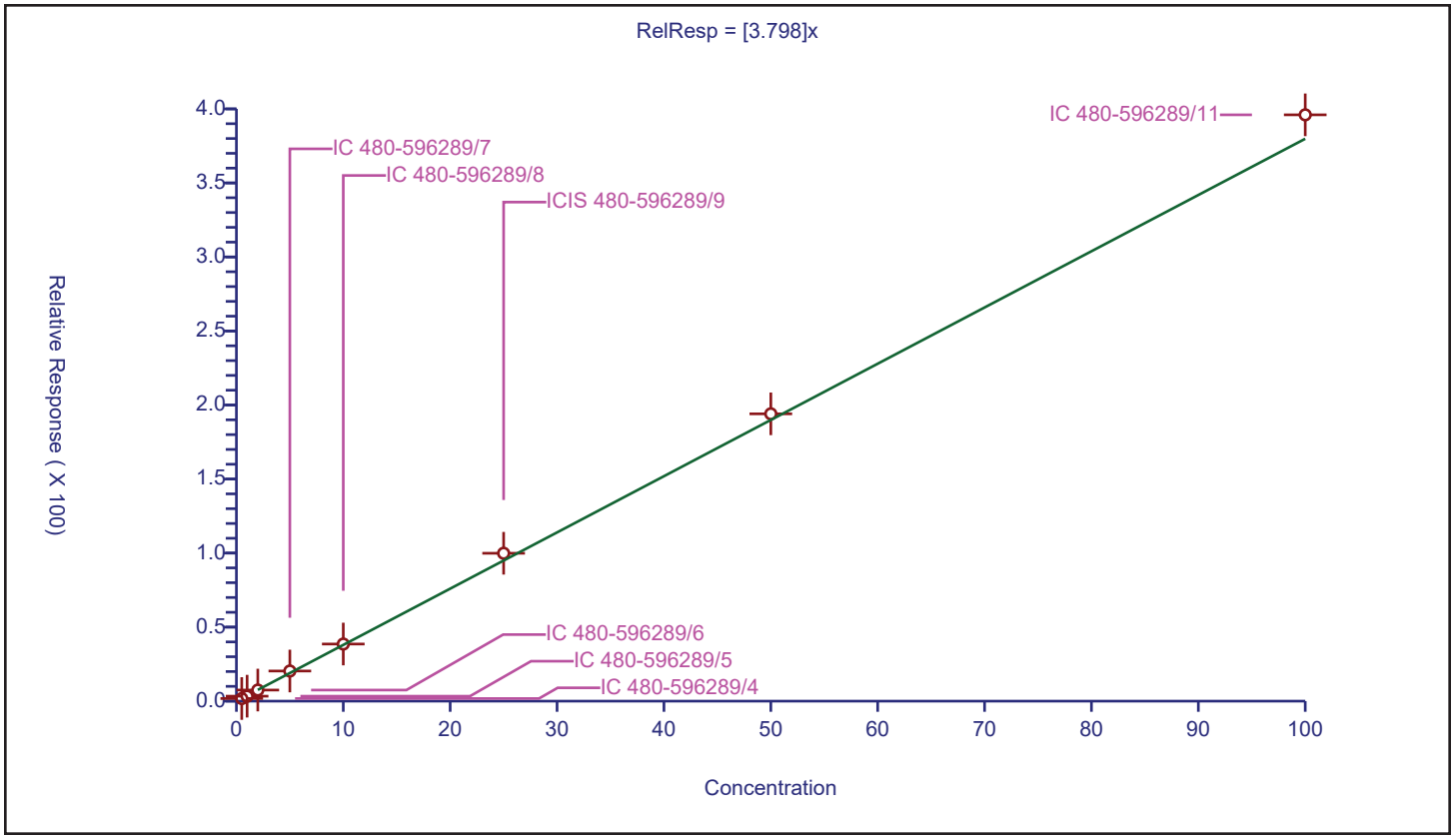
Curve Coefficients

Intercept:	0
Slope:	3.798

Error Coefficients

Standard Error:	2630000
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 480-596289/4	0.5	1.764071	25.0	357993.0	3.528142	Y
2	IC 480-596289/5	1.0	3.350221	25.0	344522.0	3.350221	Y
3	IC 480-596289/6	2.0	7.483802	25.0	339540.0	3.741901	Y
4	IC 480-596289/7	5.0	20.359243	25.0	335010.0	4.071849	Y
5	IC 480-596289/8	10.0	38.572608	25.0	342681.0	3.857261	Y
6	ICIS 480-596289/9	25.0	99.872177	25.0	371999.0	3.994887	Y
7	IC 480-596289/10	50.0	194.056407	25.0	390555.0	3.881128	Y
8	IC 480-596289/11	100.0	395.994677	25.0	382285.0	3.959947	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

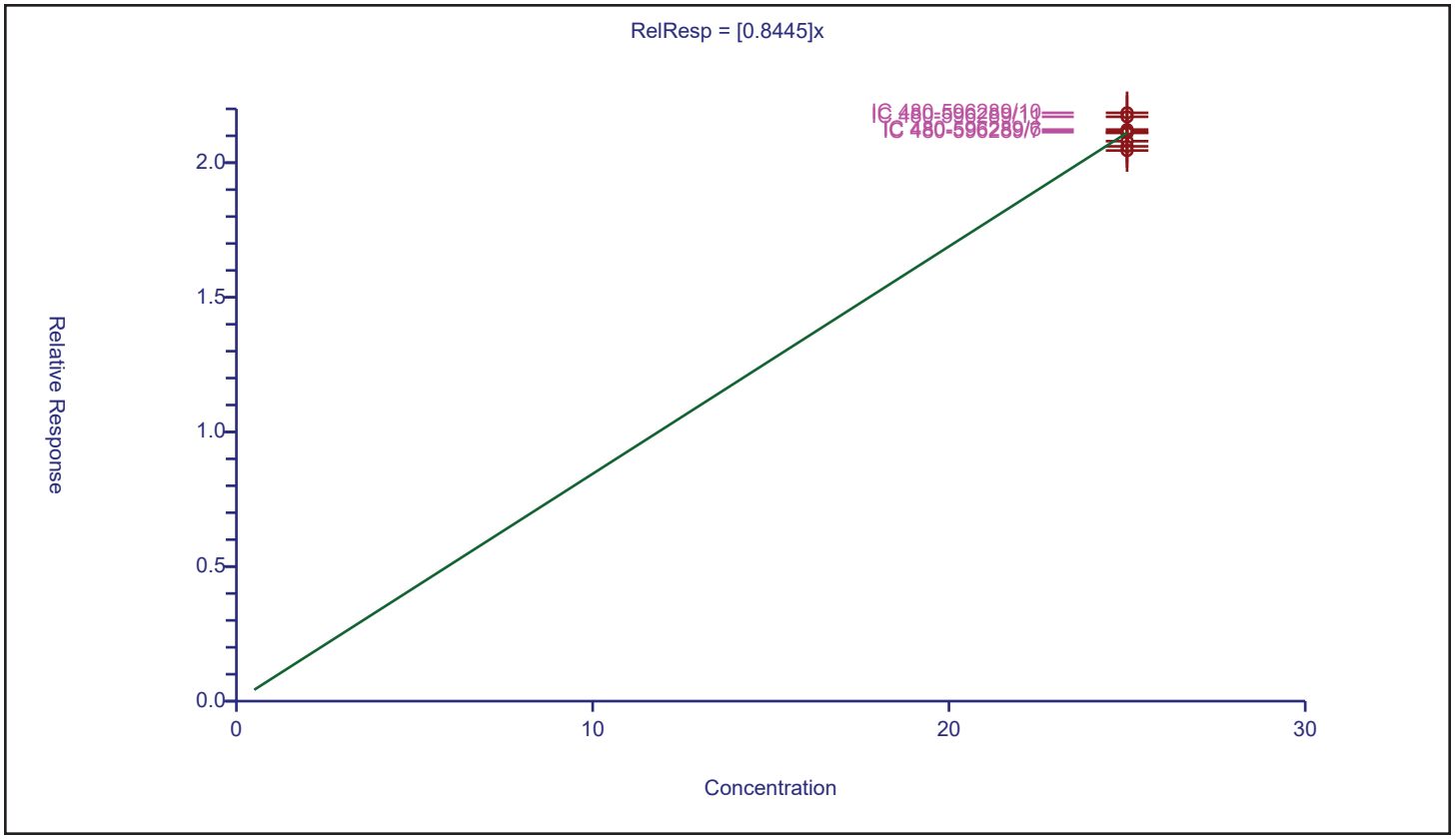
Curve Coefficients

Intercept:	0
Slope:	0.8445

Error Coefficients

Standard Error:	309000
Relative Standard Error:	2.3
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	25.0	20.608341	25.0	352919.0	0.824334	Y
2	IC 480-596289/5	25.0	20.801185	25.0	339179.0	0.832047	Y
3	IC 480-596289/6	25.0	21.230346	25.0	318378.0	0.849214	Y
4	IC 480-596289/7	25.0	21.134895	25.0	323303.0	0.845396	Y
5	IC 480-596289/8	25.0	20.452645	25.0	338411.0	0.818106	Y
6	ICIS 480-596289/9	25.0	21.107506	25.0	348761.0	0.8443	Y
7	IC 480-596289/10	25.0	21.853779	25.0	359749.0	0.874151	Y
8	IC 480-596289/11	25.0	21.706083	25.0	355314.0	0.868243	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

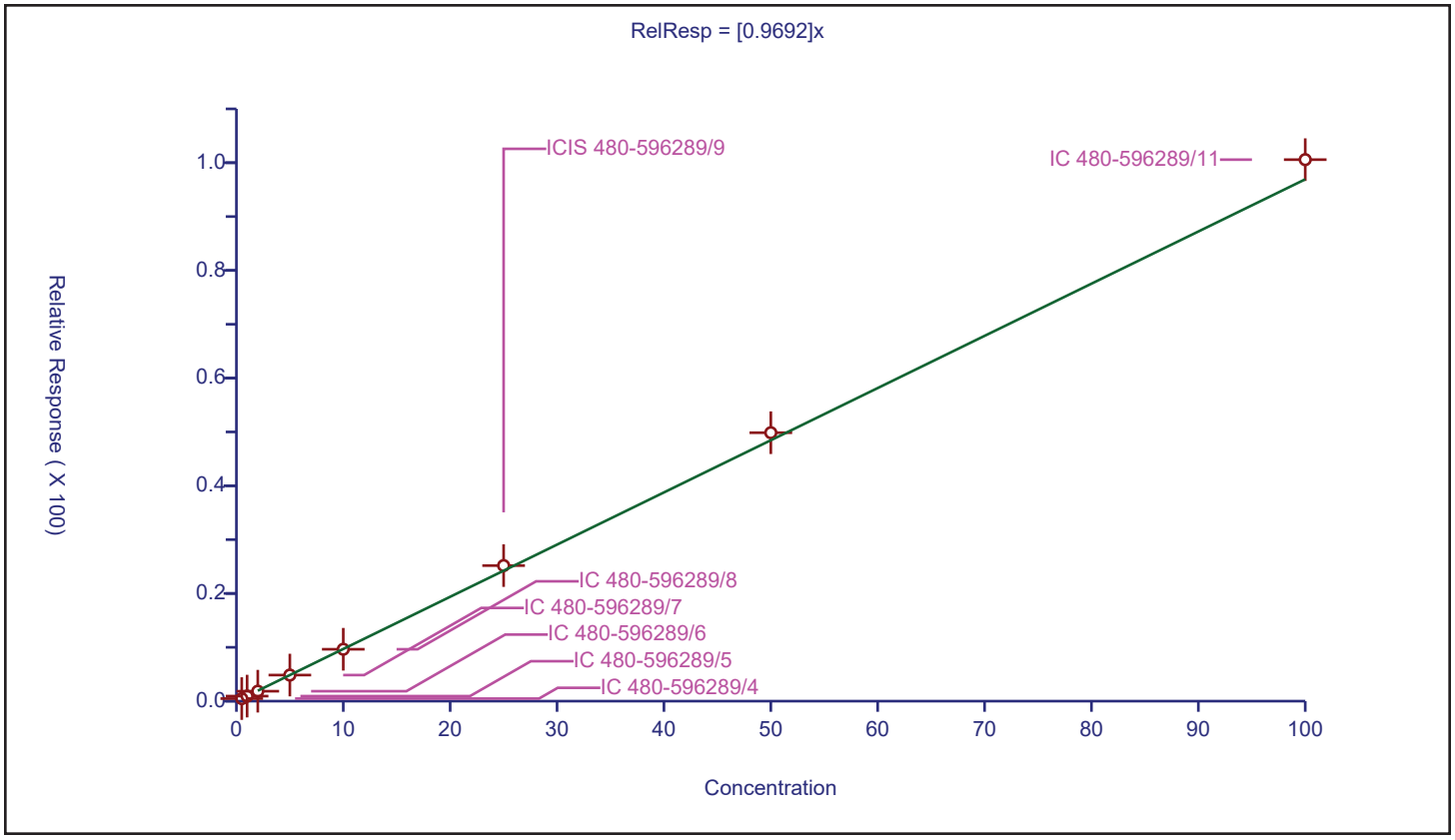
Curve Coefficients

Intercept:	0
Slope:	0.9692

Error Coefficients

Standard Error:	669000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.476057	25.0	357993.0	0.952114	Y
2	IC 480-596289/5	1.0	0.935644	25.0	344522.0	0.935644	Y
3	IC 480-596289/6	2.0	1.845953	25.0	339540.0	0.922977	Y
4	IC 480-596289/7	5.0	4.844408	25.0	335010.0	0.968882	Y
5	IC 480-596289/8	10.0	9.637462	25.0	342681.0	0.963746	Y
6	ICIS 480-596289/9	25.0	25.176143	25.0	371999.0	1.007046	Y
7	IC 480-596289/10	50.0	49.857831	25.0	390555.0	0.997157	Y
8	IC 480-596289/11	100.0	100.572217	25.0	382285.0	1.005722	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

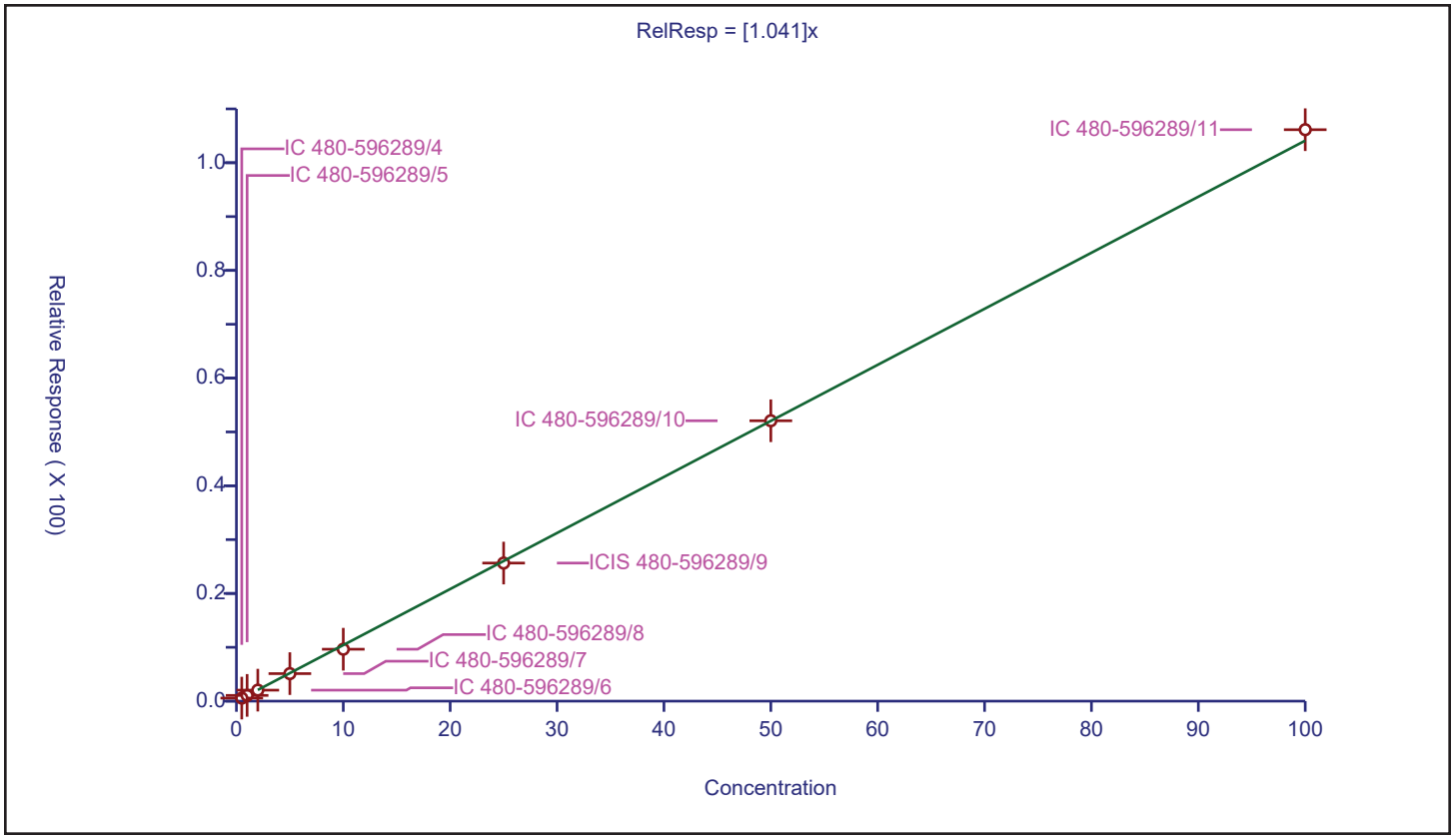
Curve Coefficients

Intercept:	0
Slope:	1.041

Error Coefficients

Standard Error:	704000
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 480-596289/4	0.5	0.564606	25.0	357993.0	1.129212	Y
2	IC 480-596289/5	1.0	1.063793	25.0	344522.0	1.063793	Y
3	IC 480-596289/6	2.0	2.039082	25.0	339540.0	1.019541	Y
4	IC 480-596289/7	5.0	5.112235	25.0	335010.0	1.022447	Y
5	IC 480-596289/8	10.0	9.643006	25.0	342681.0	0.964301	Y
6	ICIS 480-596289/9	25.0	25.645365	25.0	371999.0	1.025815	Y
7	IC 480-596289/10	50.0	52.079797	25.0	390555.0	1.041596	Y
8	IC 480-596289/11	100.0	106.137764	25.0	382285.0	1.061378	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

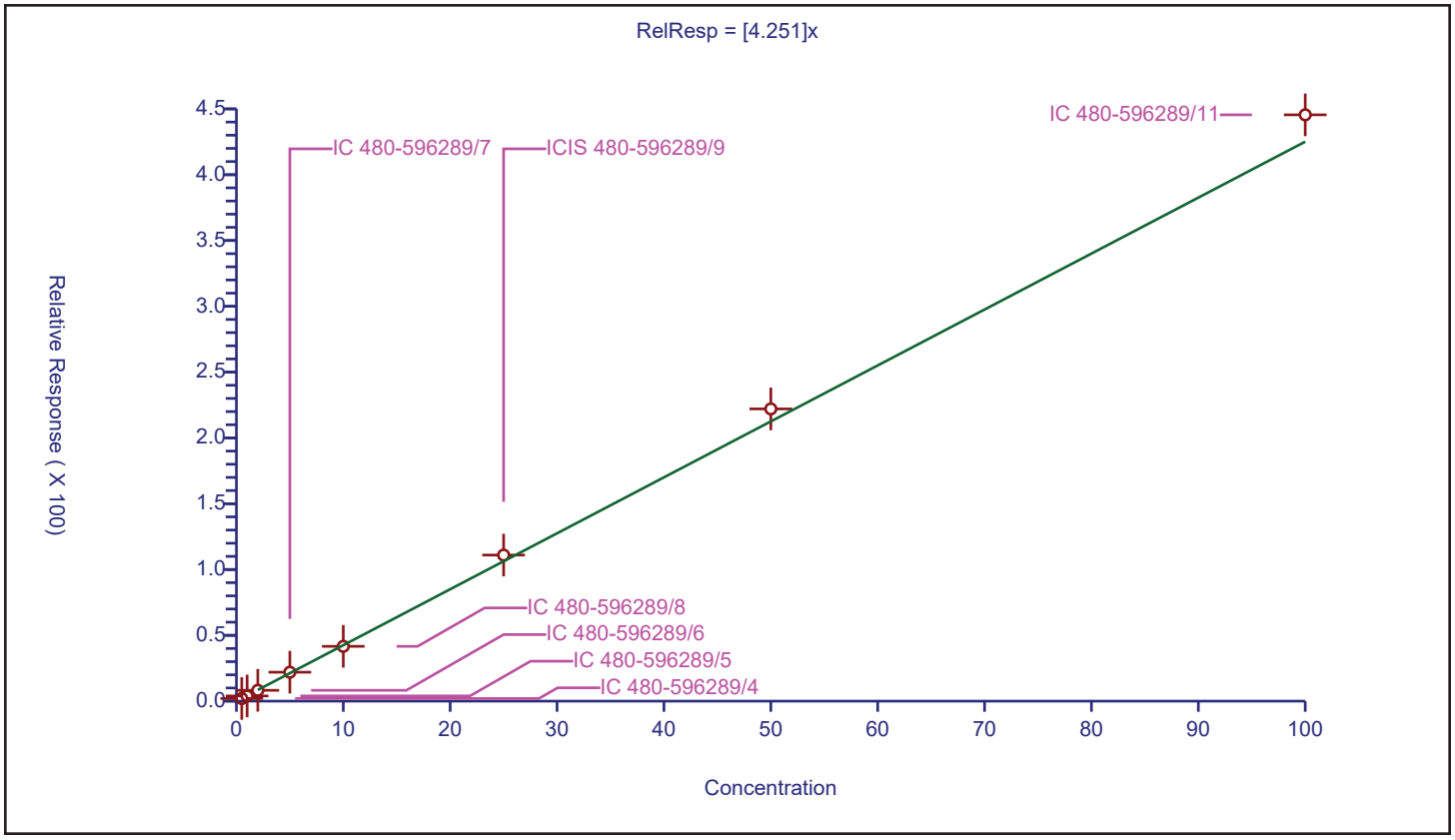
Curve Coefficients

Intercept:	0
Slope:	4.251

Error Coefficients

Standard Error:	2970000
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 480-596289/4	0.5	2.012609	25.0	357993.0	4.025218	Y
2	IC 480-596289/5	1.0	3.965712	25.0	344522.0	3.965712	Y
3	IC 480-596289/6	2.0	8.236217	25.0	339540.0	4.118108	Y
4	IC 480-596289/7	5.0	21.994194	25.0	335010.0	4.398839	Y
5	IC 480-596289/8	10.0	41.634859	25.0	342681.0	4.163486	Y
6	ICIS 480-596289/9	25.0	110.985177	25.0	371999.0	4.439407	Y
7	IC 480-596289/10	50.0	222.060017	25.0	390555.0	4.4412	Y
8	IC 480-596289/11	100.0	445.48112	25.0	382285.0	4.454811	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

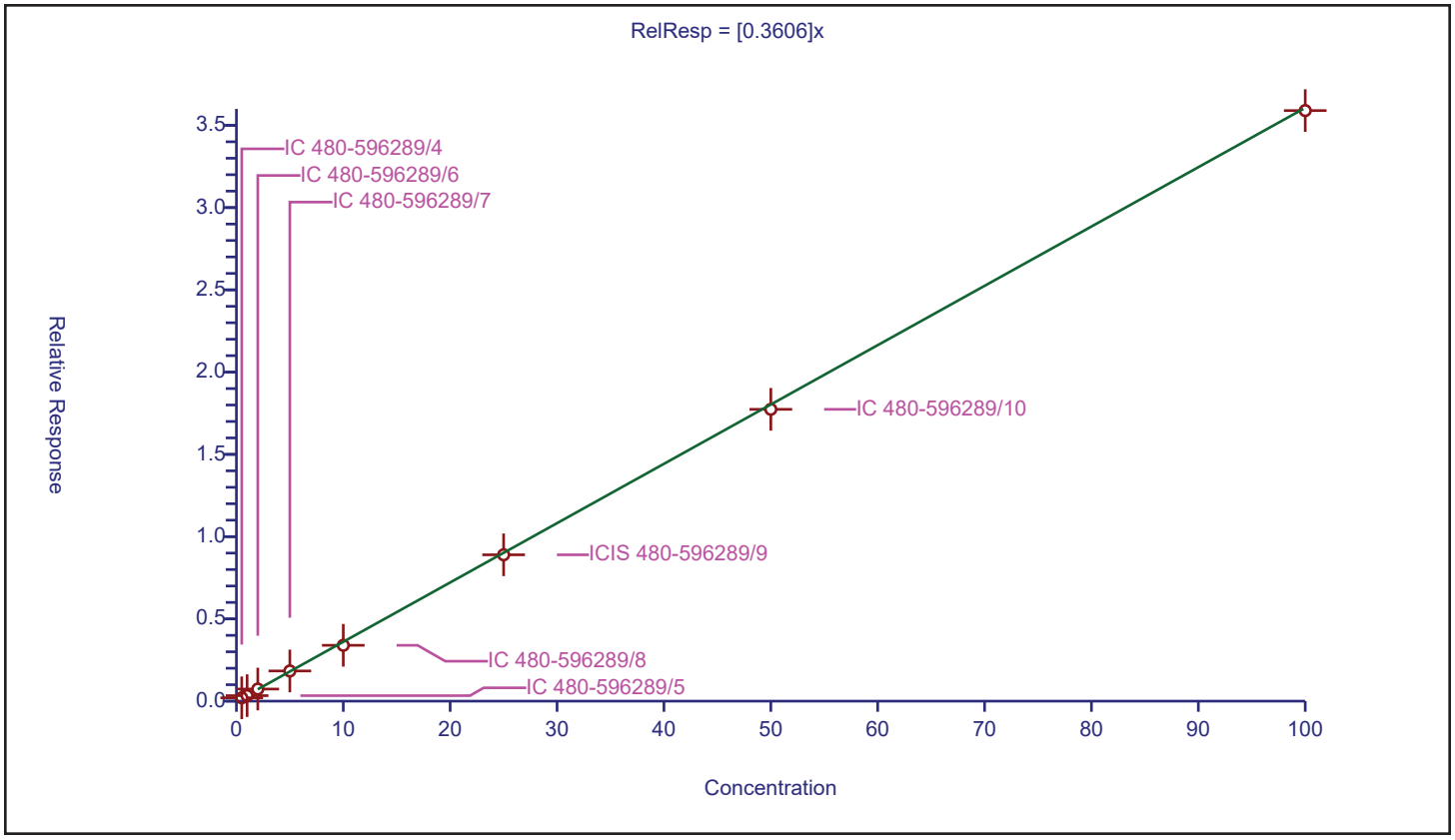
Curve Coefficients

Intercept:	0
Slope:	0.3606

Error Coefficients

Standard Error:	239000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.203356	25.0	357993.0	0.406712	Y
2	IC 480-596289/5	1.0	0.334884	25.0	344522.0	0.334884	Y
3	IC 480-596289/6	2.0	0.735186	25.0	339540.0	0.367593	Y
4	IC 480-596289/7	5.0	1.834647	25.0	335010.0	0.366929	Y
5	IC 480-596289/8	10.0	3.394119	25.0	342681.0	0.339412	Y
6	ICIS 480-596289/9	25.0	8.89532	25.0	371999.0	0.355813	Y
7	IC 480-596289/10	50.0	17.737323	25.0	390555.0	0.354746	Y
8	IC 480-596289/11	100.0	35.895928	25.0	382285.0	0.358959	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

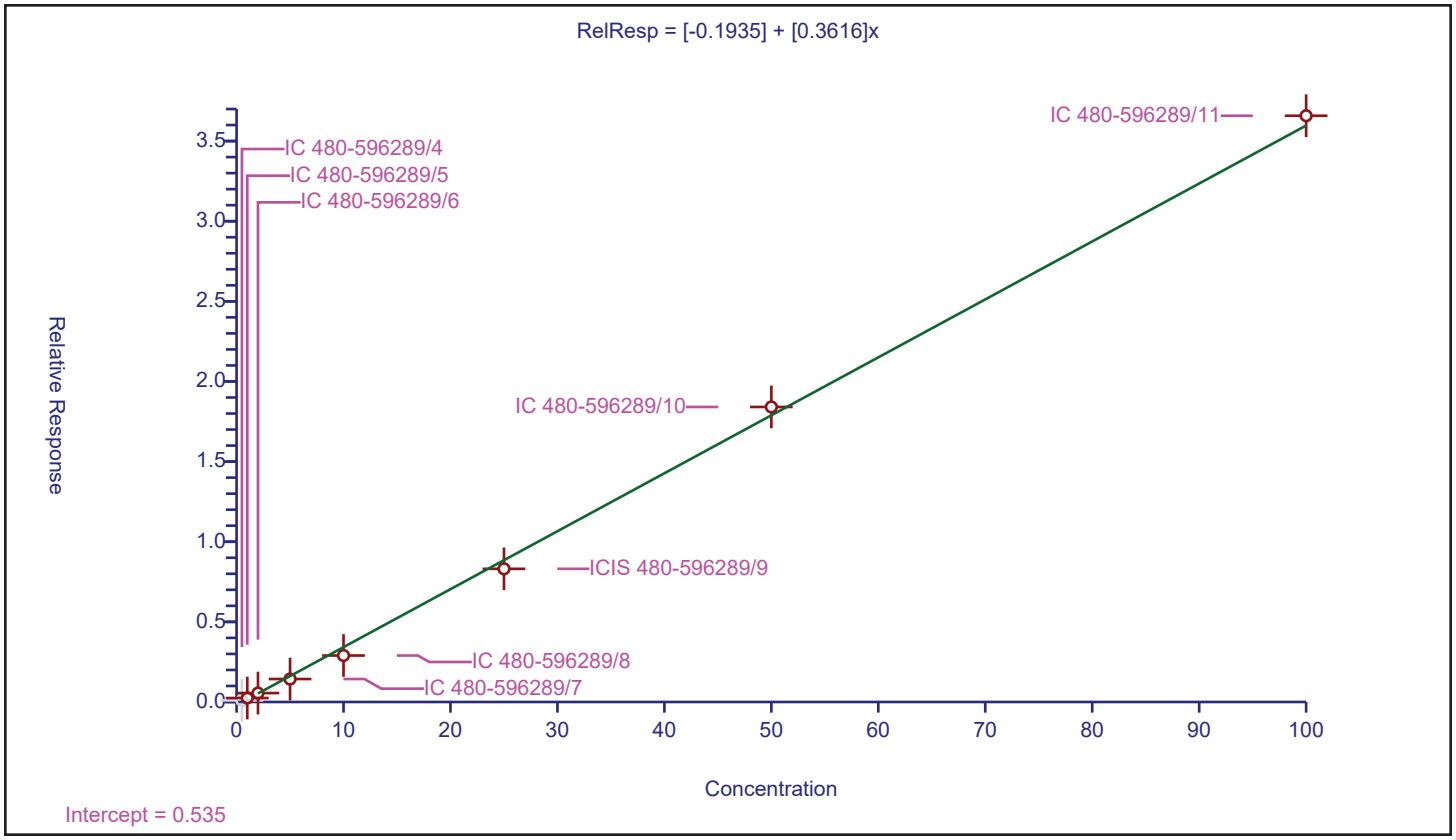
Curve Coefficients

Intercept:	-0.1935
Slope:	0.3616

Error Coefficients

Standard Error:	287000
Relative Standard Error:	13.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.100561	25.0	357993.0	0.201121	N
2	IC 480-596289/5	1.0	0.247735	25.0	344522.0	0.247735	Y
3	IC 480-596289/6	2.0	0.557298	25.0	339540.0	0.278649	Y
4	IC 480-596289/7	5.0	1.433838	25.0	335010.0	0.286768	Y
5	IC 480-596289/8	10.0	2.900146	25.0	342681.0	0.290015	Y
6	ICIS 480-596289/9	25.0	8.308221	25.0	371999.0	0.332329	Y
7	IC 480-596289/10	50.0	18.408803	25.0	390555.0	0.368176	Y
8	IC 480-596289/11	100.0	36.581346	25.0	382285.0	0.365813	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

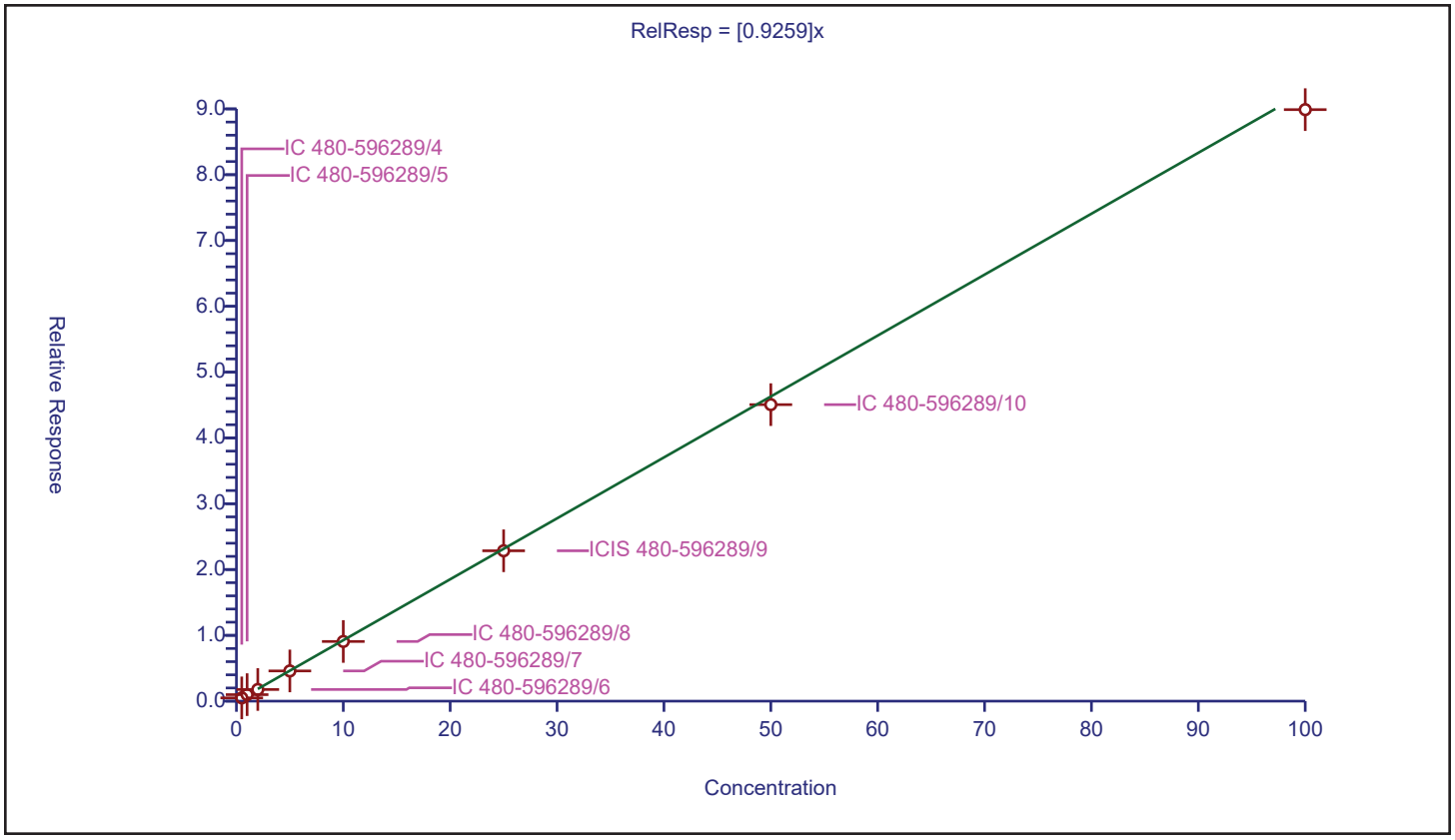
Curve Coefficients

Intercept:	0
Slope:	0.9259

Error Coefficients

Standard Error:	600000
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 480-596289/4	0.5	0.495959	25.0	357993.0	0.991919	Y
2	IC 480-596289/5	1.0	0.989995	25.0	344522.0	0.989995	Y
3	IC 480-596289/6	2.0	1.772251	25.0	339540.0	0.886125	Y
4	IC 480-596289/7	5.0	4.591729	25.0	335010.0	0.918346	Y
5	IC 480-596289/8	10.0	9.067106	25.0	342681.0	0.906711	Y
6	ICIS 480-596289/9	25.0	22.84865	25.0	371999.0	0.913946	Y
7	IC 480-596289/10	50.0	45.05857	25.0	390555.0	0.901171	Y
8	IC 480-596289/11	100.0	89.886276	25.0	382285.0	0.898863	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

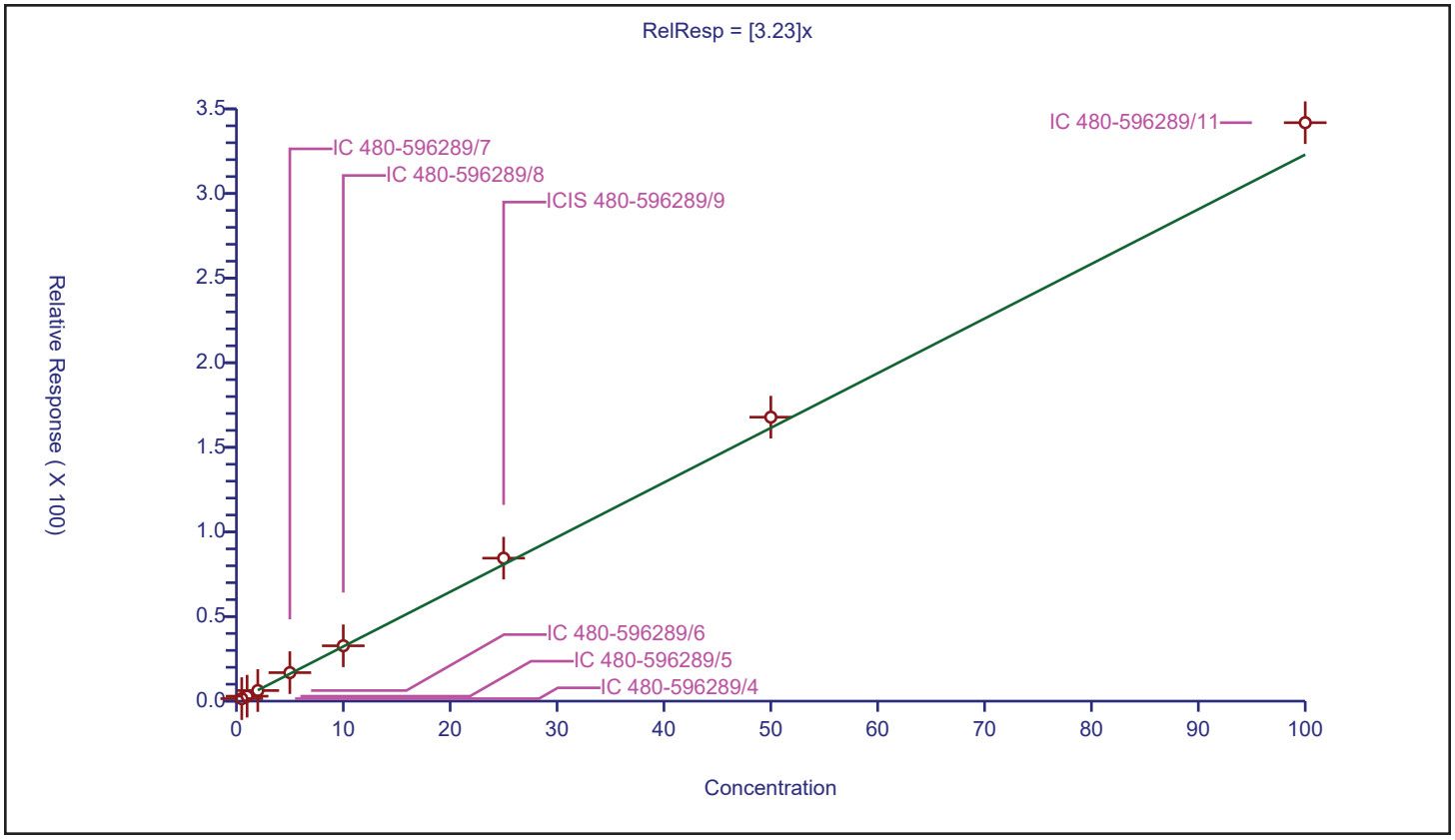
Curve Coefficients

Intercept:	0
Slope:	3.23

Error Coefficients

Standard Error:	2270000
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 480-596289/4	0.5	1.484317	25.0	357993.0	2.968633	Y
2	IC 480-596289/5	1.0	2.934573	25.0	344522.0	2.934573	Y
3	IC 480-596289/6	2.0	6.275991	25.0	339540.0	3.137996	Y
4	IC 480-596289/7	5.0	16.850616	25.0	335010.0	3.370123	Y
5	IC 480-596289/8	10.0	32.722634	25.0	342681.0	3.272263	Y
6	ICIS 480-596289/9	25.0	84.492969	25.0	371999.0	3.379719	Y
7	IC 480-596289/10	50.0	167.82617	25.0	390555.0	3.356523	Y
8	IC 480-596289/11	100.0	341.841493	25.0	382285.0	3.418415	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

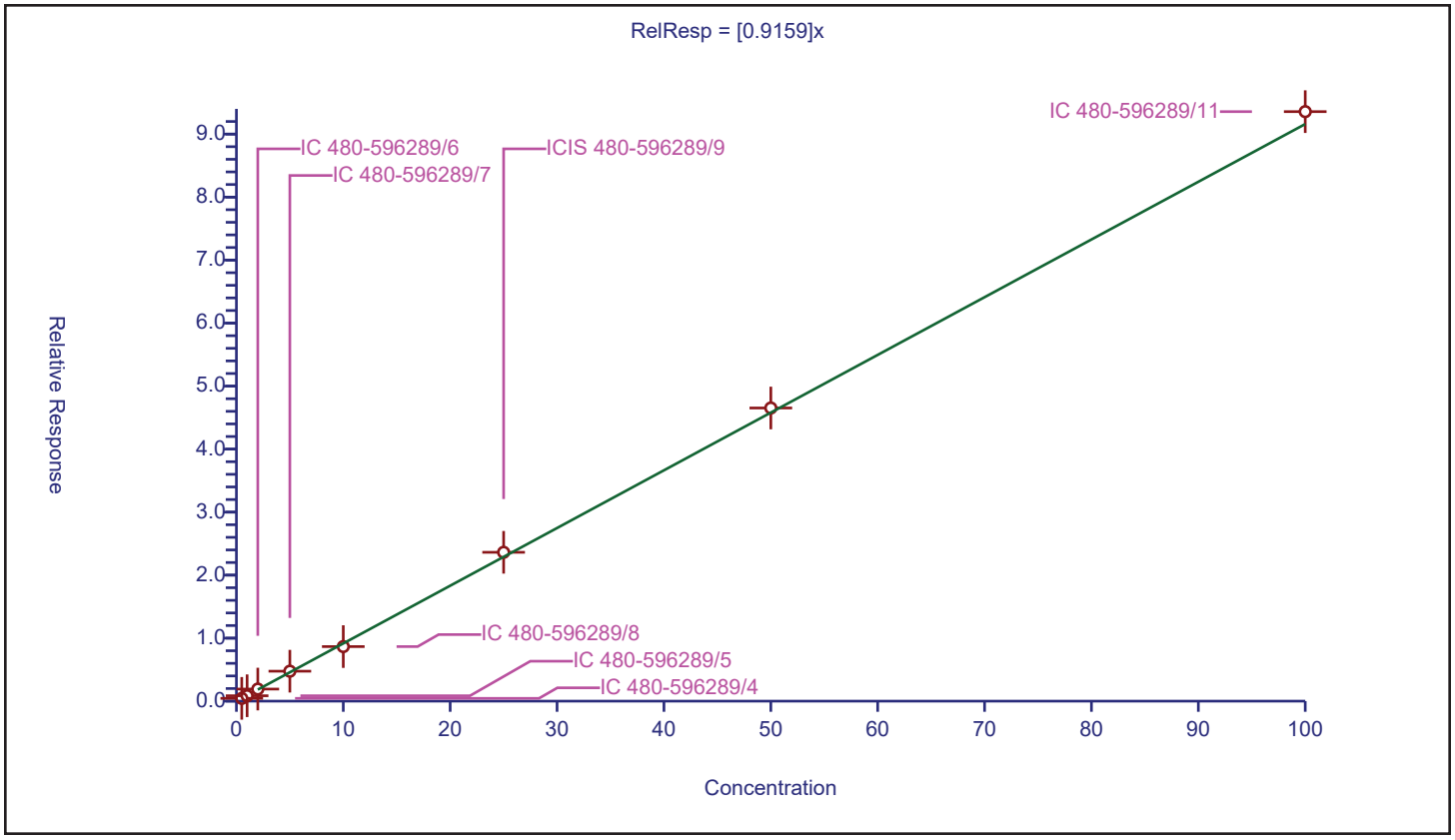
Curve Coefficients

Intercept:	0
Slope:	0.9159

Error Coefficients

Standard Error:	623000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.443165	25.0	357993.0	0.88633	Y
2	IC 480-596289/5	1.0	0.854735	25.0	344522.0	0.854735	Y
3	IC 480-596289/6	2.0	1.91649	25.0	339540.0	0.958245	Y
4	IC 480-596289/7	5.0	4.755604	25.0	335010.0	0.951121	Y
5	IC 480-596289/8	10.0	8.657687	25.0	342681.0	0.865769	Y
6	ICIS 480-596289/9	25.0	23.622308	25.0	371999.0	0.944892	Y
7	IC 480-596289/10	50.0	46.527762	25.0	390555.0	0.930555	Y
8	IC 480-596289/11	100.0	93.563637	25.0	382285.0	0.935636	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

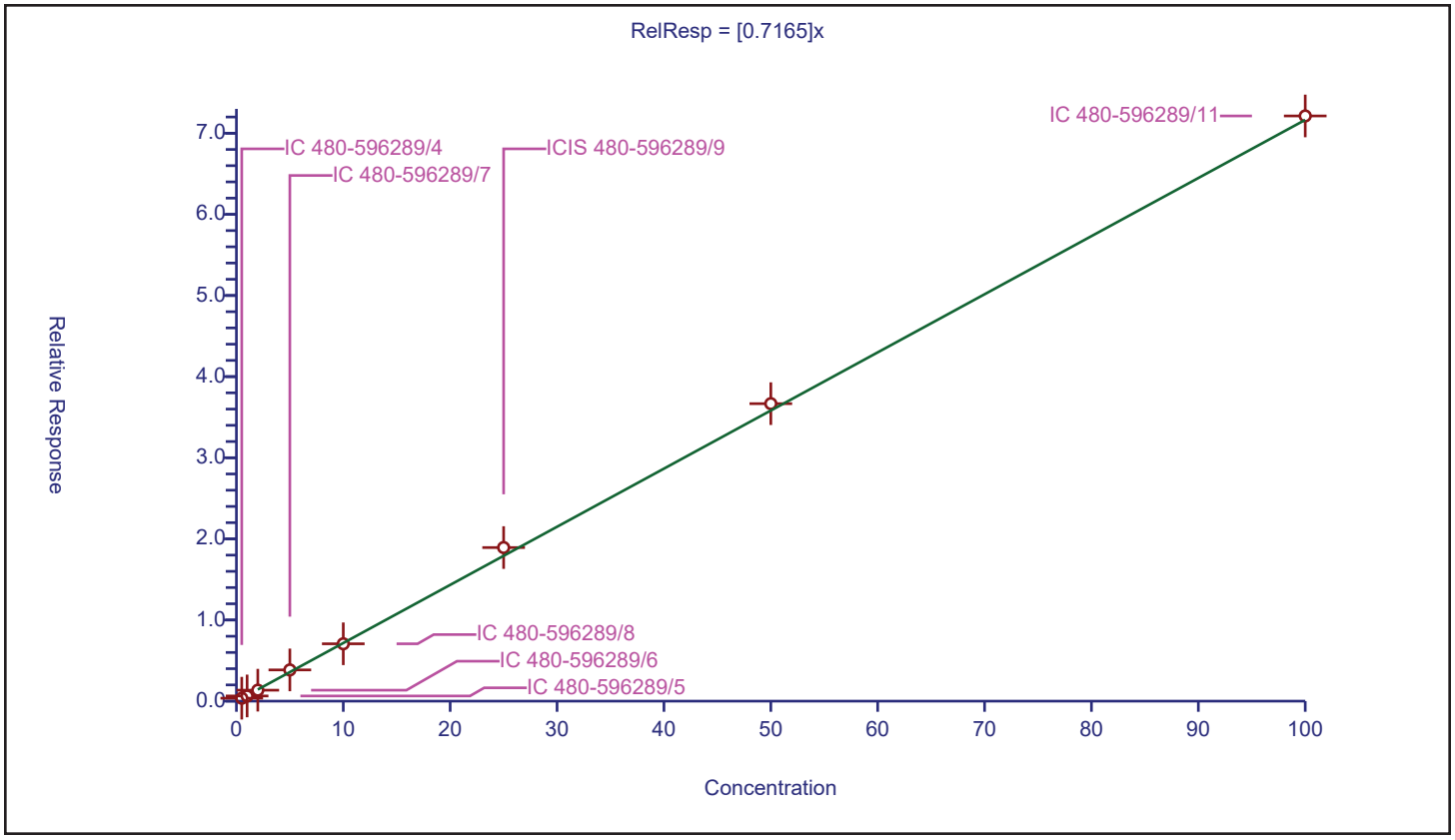
Curve Coefficients

Intercept:	0
Slope:	0.7165

Error Coefficients

Standard Error:	483000
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	IC 480-596289/4	0.5	0.363834	25.0	357993.0	0.727668	Y
2	IC 480-596289/5	1.0	0.640162	25.0	344522.0	0.640162	Y
3	IC 480-596289/6	2.0	1.350945	25.0	339540.0	0.675473	Y
4	IC 480-596289/7	5.0	3.847796	25.0	335010.0	0.769559	Y
5	IC 480-596289/8	10.0	7.068163	25.0	342681.0	0.706816	Y
6	ICIS 480-596289/9	25.0	18.932175	25.0	371999.0	0.757287	Y
7	IC 480-596289/10	50.0	36.667179	25.0	390555.0	0.733344	Y
8	IC 480-596289/11	100.0	72.131067	25.0	382285.0	0.721311	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

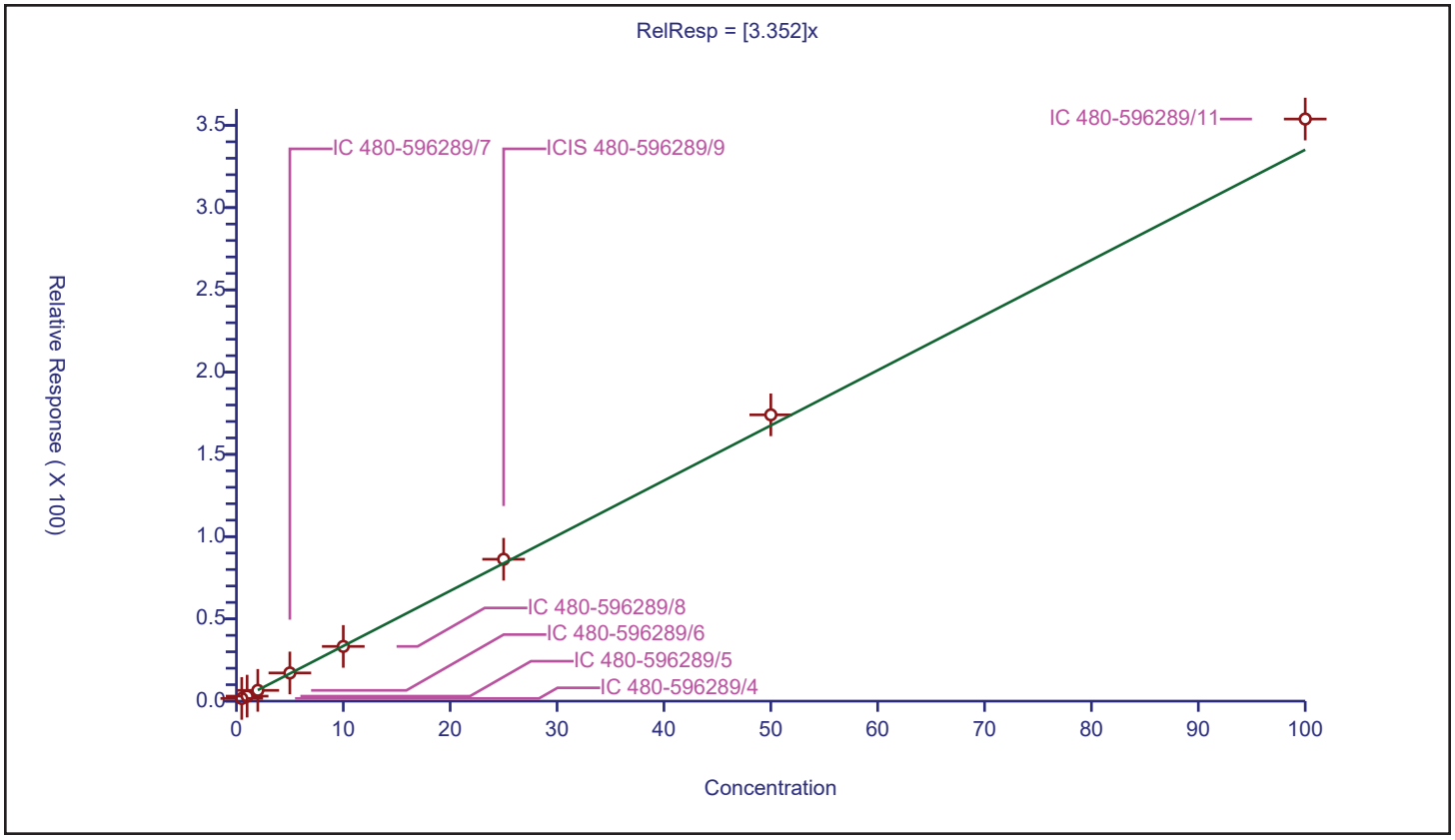
Curve Coefficients

Intercept:	0
Slope:	3.352

Error Coefficients

Standard Error:	2350000
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 480-596289/4	0.5	1.639068	25.0	357993.0	3.278137	Y
2	IC 480-596289/5	1.0	3.038921	25.0	344522.0	3.038921	Y
3	IC 480-596289/6	2.0	6.548639	25.0	339540.0	3.27432	Y
4	IC 480-596289/7	5.0	17.13919	25.0	335010.0	3.427838	Y
5	IC 480-596289/8	10.0	33.26286	25.0	342681.0	3.326286	Y
6	ICIS 480-596289/9	25.0	86.249089	25.0	371999.0	3.449964	Y
7	IC 480-596289/10	50.0	174.046421	25.0	390555.0	3.480928	Y
8	IC 480-596289/11	100.0	353.835816	25.0	382285.0	3.538358	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

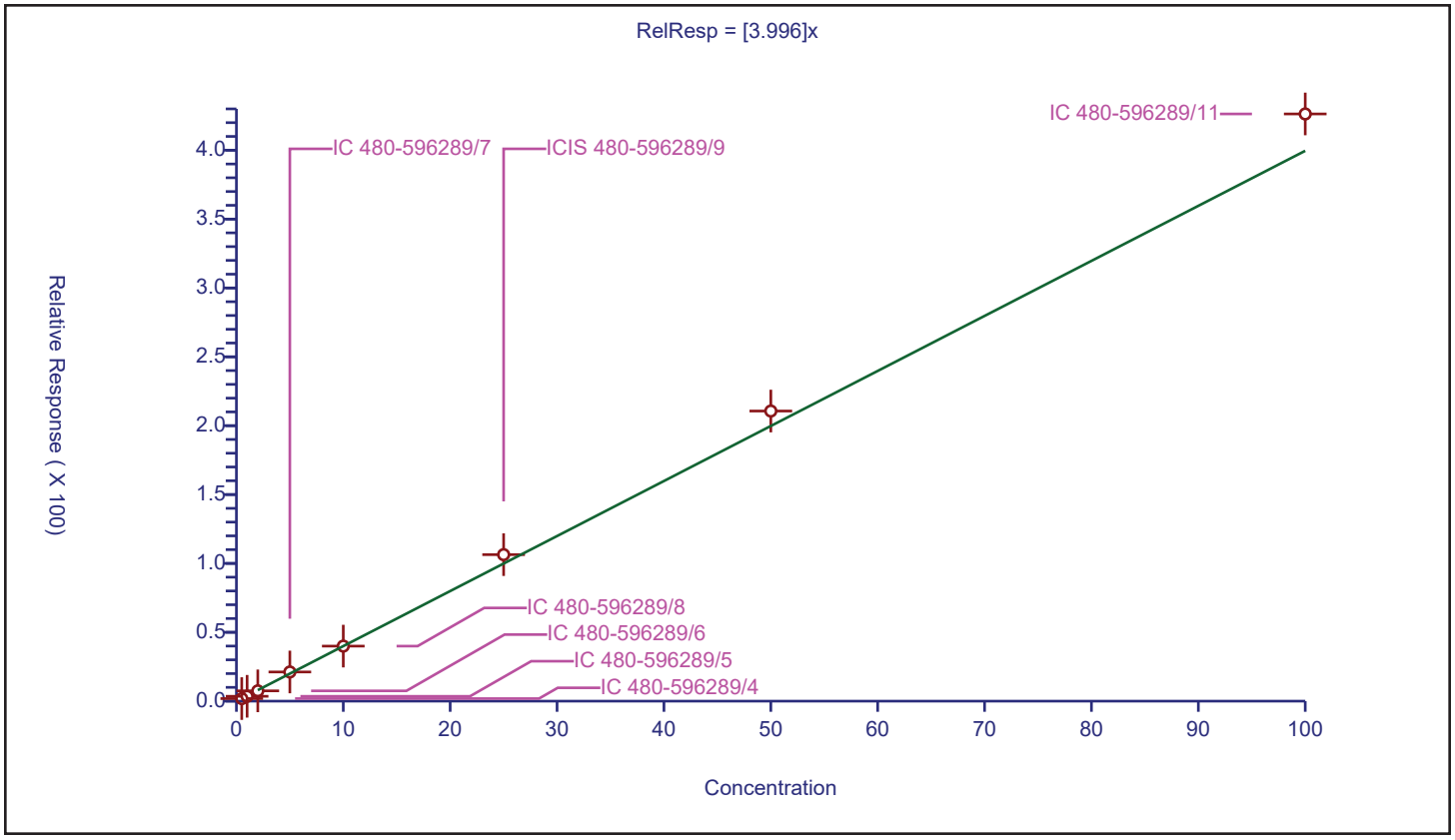
Curve Coefficients

Intercept:	0
Slope:	3.996

Error Coefficients

Standard Error:	2830000
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 480-596289/4	0.5	1.868193	25.0	357993.0	3.736386	Y
2	IC 480-596289/5	1.0	3.530471	25.0	344522.0	3.530471	Y
3	IC 480-596289/6	2.0	7.470769	25.0	339540.0	3.735385	Y
4	IC 480-596289/7	5.0	21.184965	25.0	335010.0	4.236993	Y
5	IC 480-596289/8	10.0	39.953047	25.0	342681.0	3.995305	Y
6	ICIS 480-596289/9	25.0	106.362383	25.0	371999.0	4.254495	Y
7	IC 480-596289/10	50.0	210.628721	25.0	390555.0	4.212574	Y
8	IC 480-596289/11	100.0	426.320677	25.0	382285.0	4.263207	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

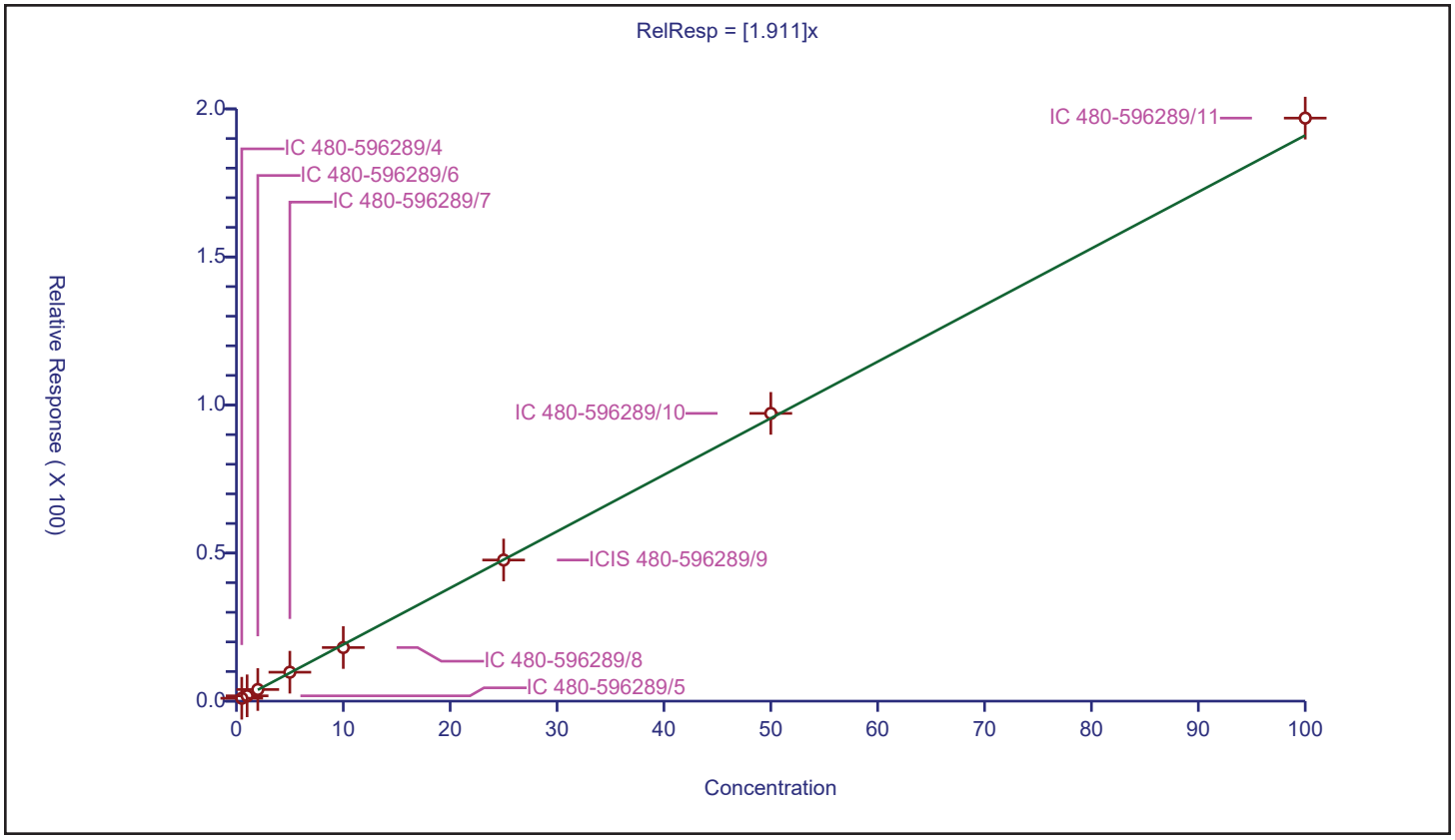
Curve Coefficients

Intercept:	0
Slope:	1.911

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.972645	25.0	357993.0	1.945289	Y
2	IC 480-596289/5	1.0	1.793137	25.0	344522.0	1.793137	Y
3	IC 480-596289/6	2.0	3.926489	25.0	339540.0	1.963244	Y
4	IC 480-596289/7	5.0	9.774634	25.0	335010.0	1.954927	Y
5	IC 480-596289/8	10.0	18.098538	25.0	342681.0	1.809854	Y
6	ICIS 480-596289/9	25.0	47.656109	25.0	371999.0	1.906244	Y
7	IC 480-596289/10	50.0	97.177606	25.0	390555.0	1.943552	Y
8	IC 480-596289/11	100.0	196.889755	25.0	382285.0	1.968898	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

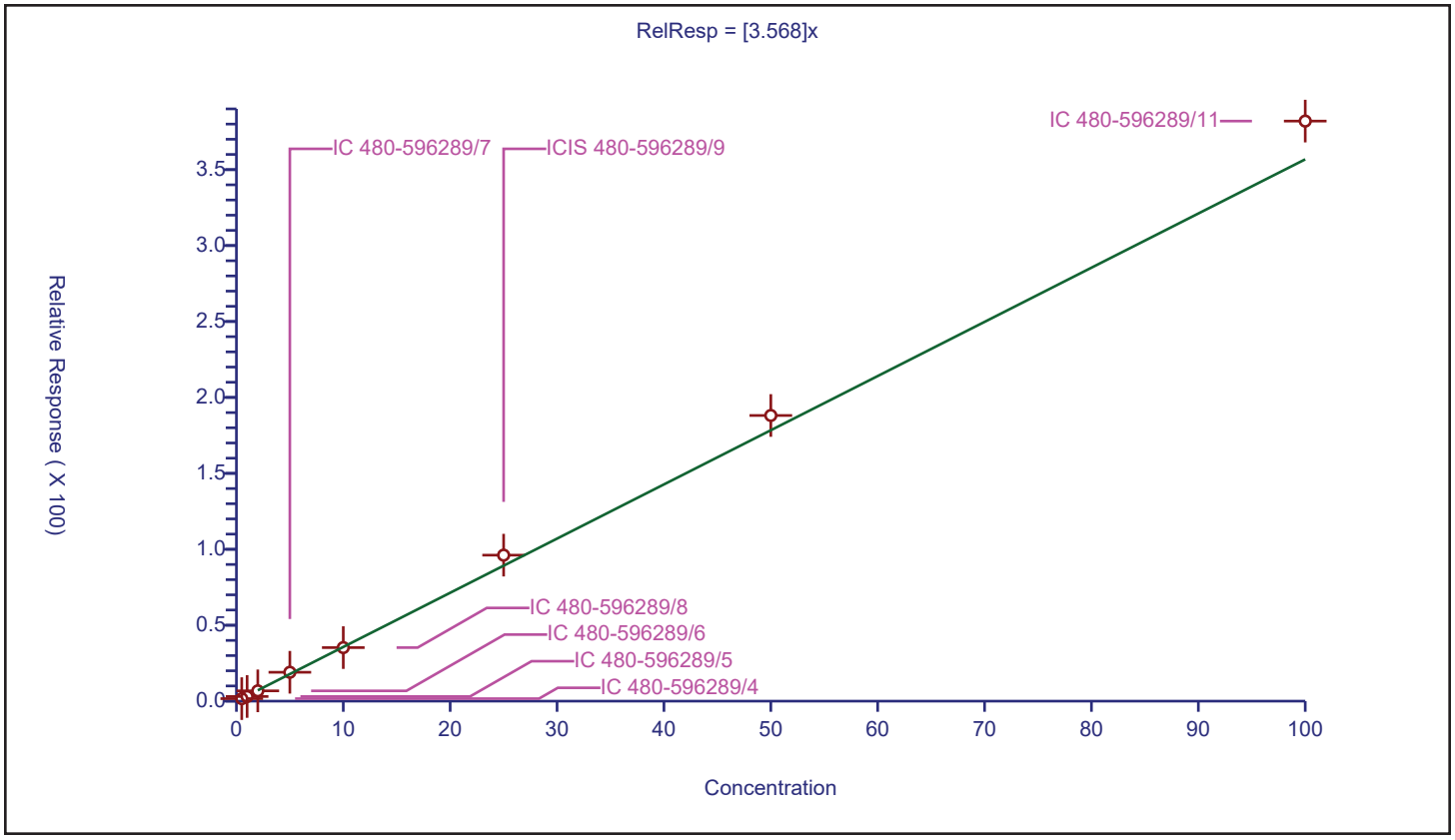
Curve Coefficients

Intercept:	0
Slope:	3.568

Error Coefficients

Standard Error:	2540000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.665326	25.0	357993.0	3.330652	Y
2	IC 480-596289/5	1.0	3.064173	25.0	344522.0	3.064173	Y
3	IC 480-596289/6	2.0	6.781381	25.0	339540.0	3.39069	Y
4	IC 480-596289/7	5.0	19.016223	25.0	335010.0	3.803245	Y
5	IC 480-596289/8	10.0	35.266837	25.0	342681.0	3.526684	Y
6	ICIS 480-596289/9	25.0	96.134734	25.0	371999.0	3.845389	Y
7	IC 480-596289/10	50.0	188.11531	25.0	390555.0	3.762306	Y
8	IC 480-596289/11	100.0	381.972416	25.0	382285.0	3.819724	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

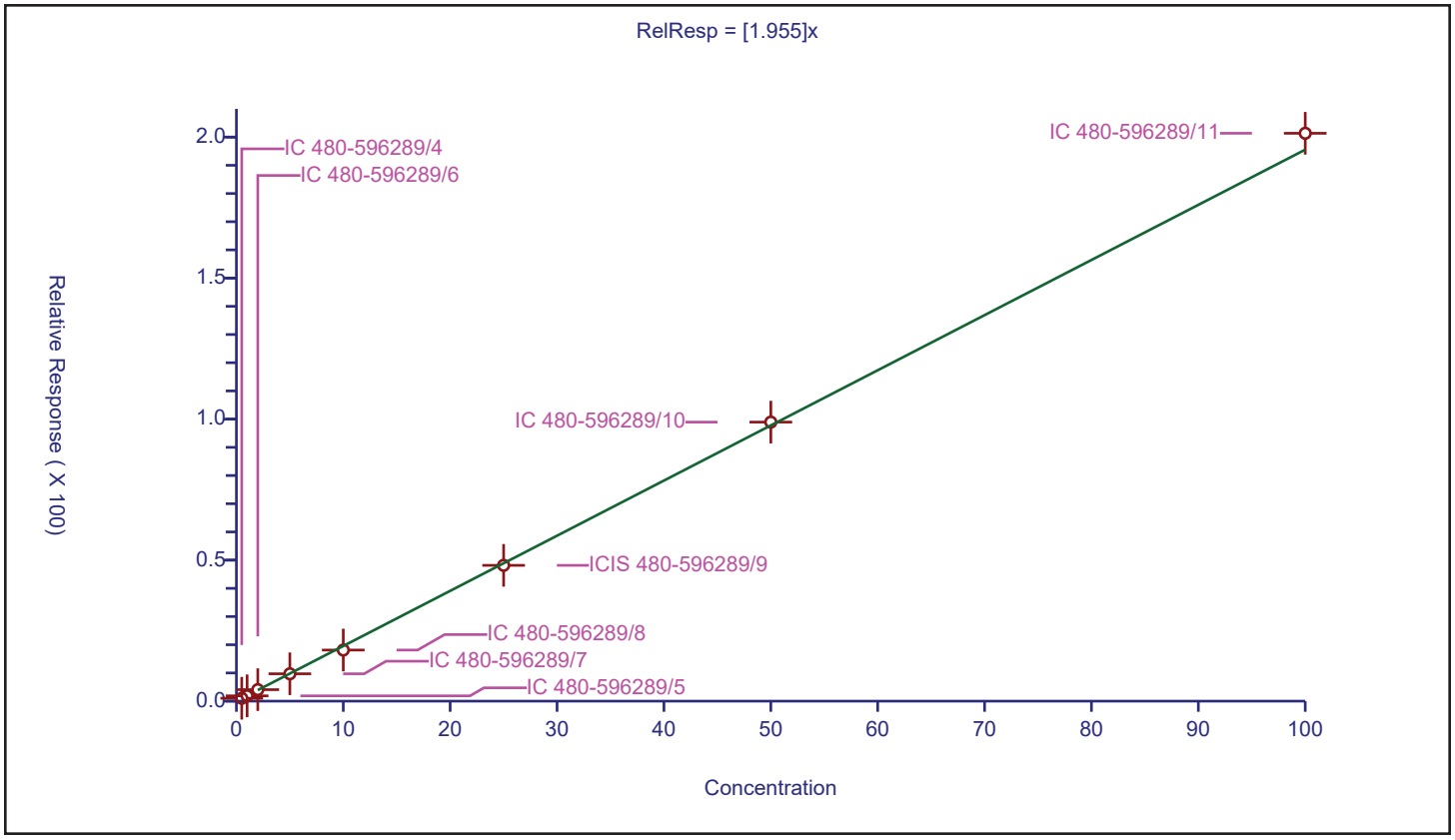
Curve Coefficients

Intercept:	0
Slope:	1.955

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.025928	25.0	357993.0	2.051856	Y
2	IC 480-596289/5	1.0	1.882246	25.0	344522.0	1.882246	Y
3	IC 480-596289/6	2.0	4.07544	25.0	339540.0	2.03772	Y
4	IC 480-596289/7	5.0	9.700457	25.0	335010.0	1.940091	Y
5	IC 480-596289/8	10.0	18.120205	25.0	342681.0	1.812021	Y
6	ICIS 480-596289/9	25.0	48.150734	25.0	371999.0	1.926029	Y
7	IC 480-596289/10	50.0	98.943875	25.0	390555.0	1.978877	Y
8	IC 480-596289/11	100.0	201.349713	25.0	382285.0	2.013497	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

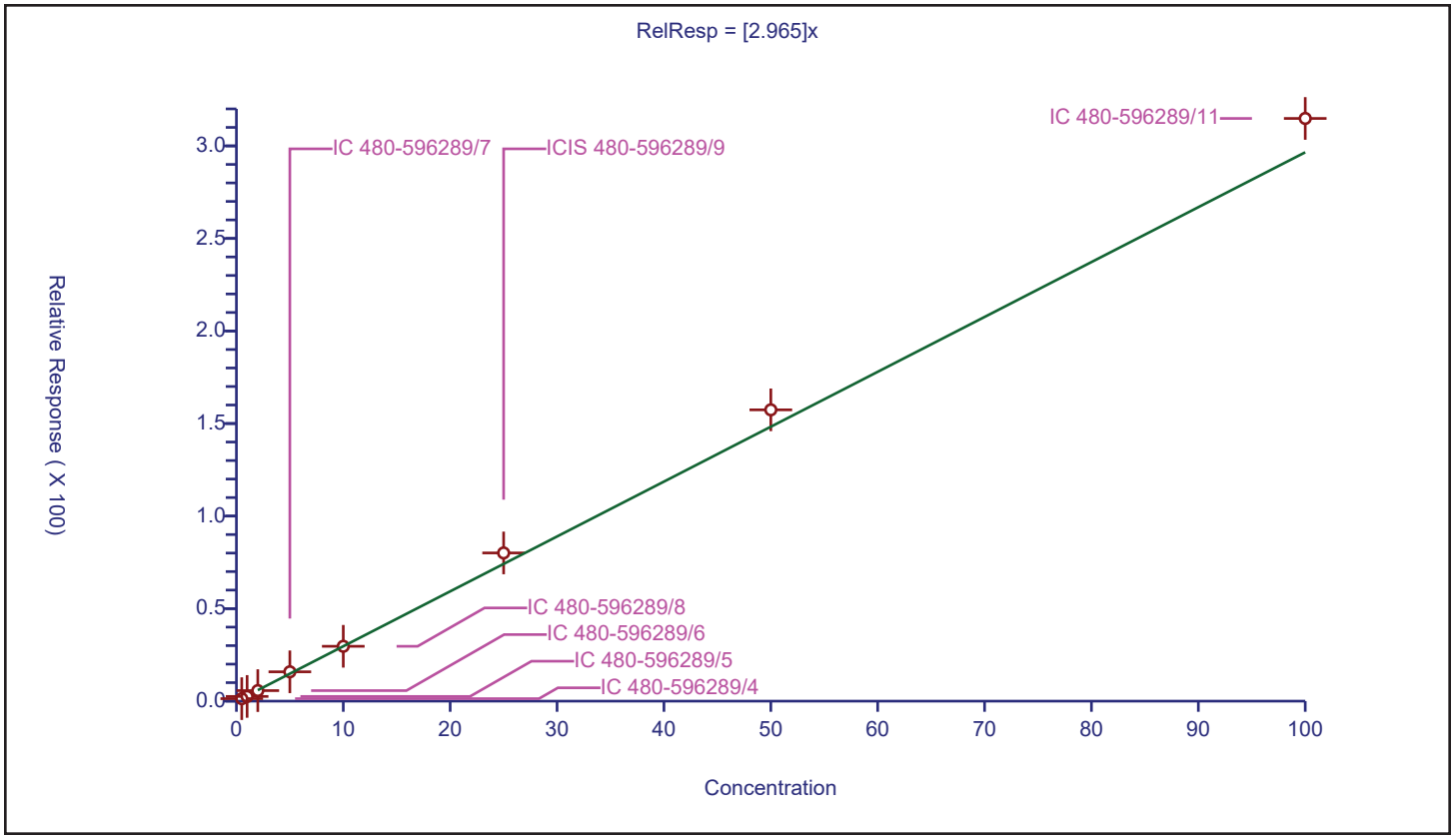
Curve Coefficients

Intercept:	0
Slope:	2.965

Error Coefficients

Standard Error:	2100000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.349328	25.0	357993.0	2.698656	Y
2	IC 480-596289/5	1.0	2.544613	25.0	344522.0	2.544613	Y
3	IC 480-596289/6	2.0	5.693144	25.0	339540.0	2.846572	Y
4	IC 480-596289/7	5.0	15.857139	25.0	335010.0	3.171428	Y
5	IC 480-596289/8	10.0	29.633026	25.0	342681.0	2.963303	Y
6	ICIS 480-596289/9	25.0	80.07078	25.0	371999.0	3.202831	Y
7	IC 480-596289/10	50.0	157.402222	25.0	390555.0	3.148044	Y
8	IC 480-596289/11	100.0	314.831801	25.0	382285.0	3.148318	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

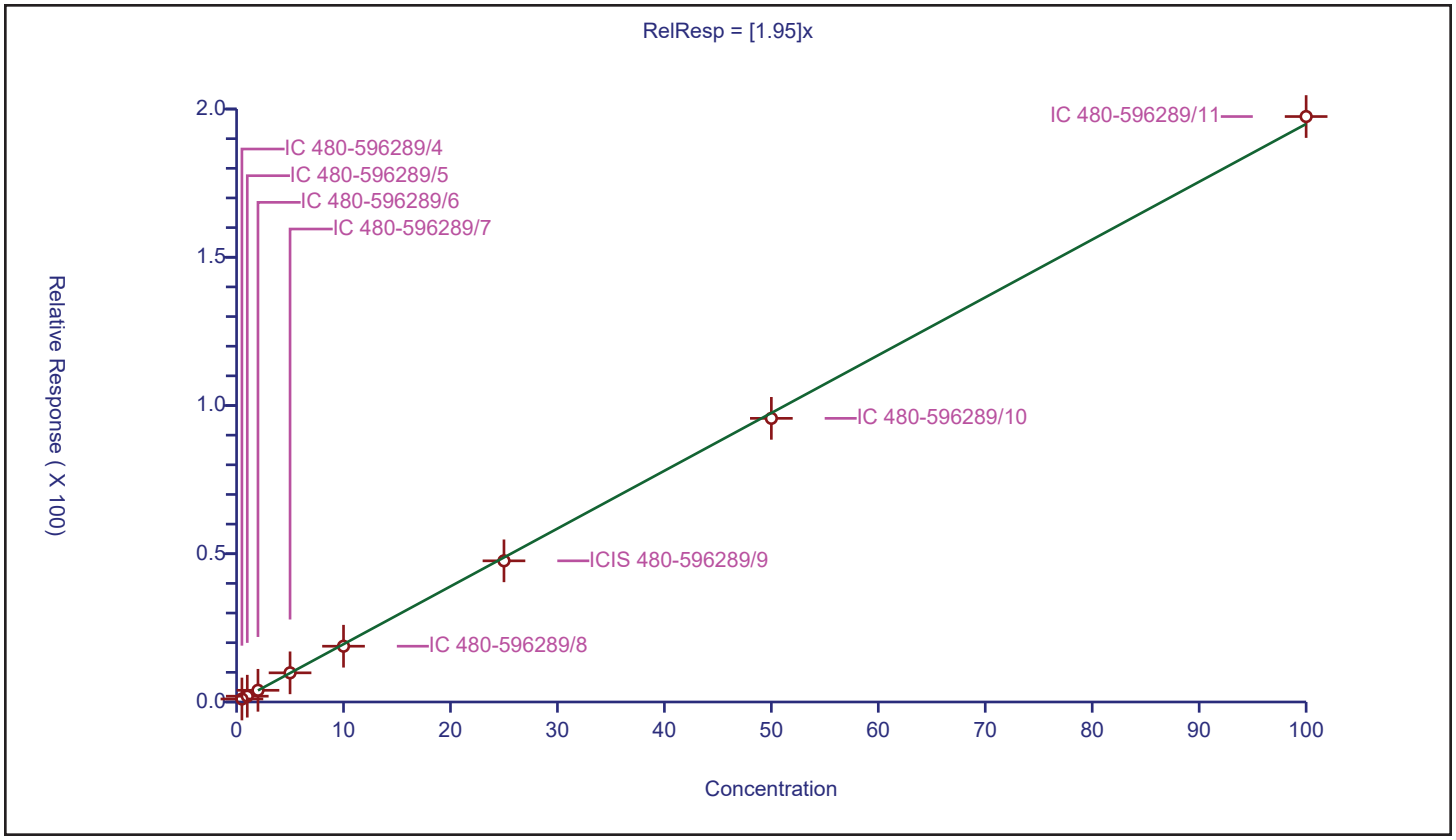
Curve Coefficients

Intercept:	0
Slope:	1.95

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.014615	25.0	357993.0	2.02923	Y
2	IC 480-596289/5	1.0	1.954374	25.0	344522.0	1.954374	Y
3	IC 480-596289/6	2.0	3.944381	25.0	339540.0	1.97219	Y
4	IC 480-596289/7	5.0	9.833139	25.0	335010.0	1.966628	Y
5	IC 480-596289/8	10.0	18.815385	25.0	342681.0	1.881539	Y
6	ICIS 480-596289/9	25.0	47.611149	25.0	371999.0	1.904446	Y
7	IC 480-596289/10	50.0	95.666359	25.0	390555.0	1.913327	Y
8	IC 480-596289/11	100.0	197.464196	25.0	382285.0	1.974642	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

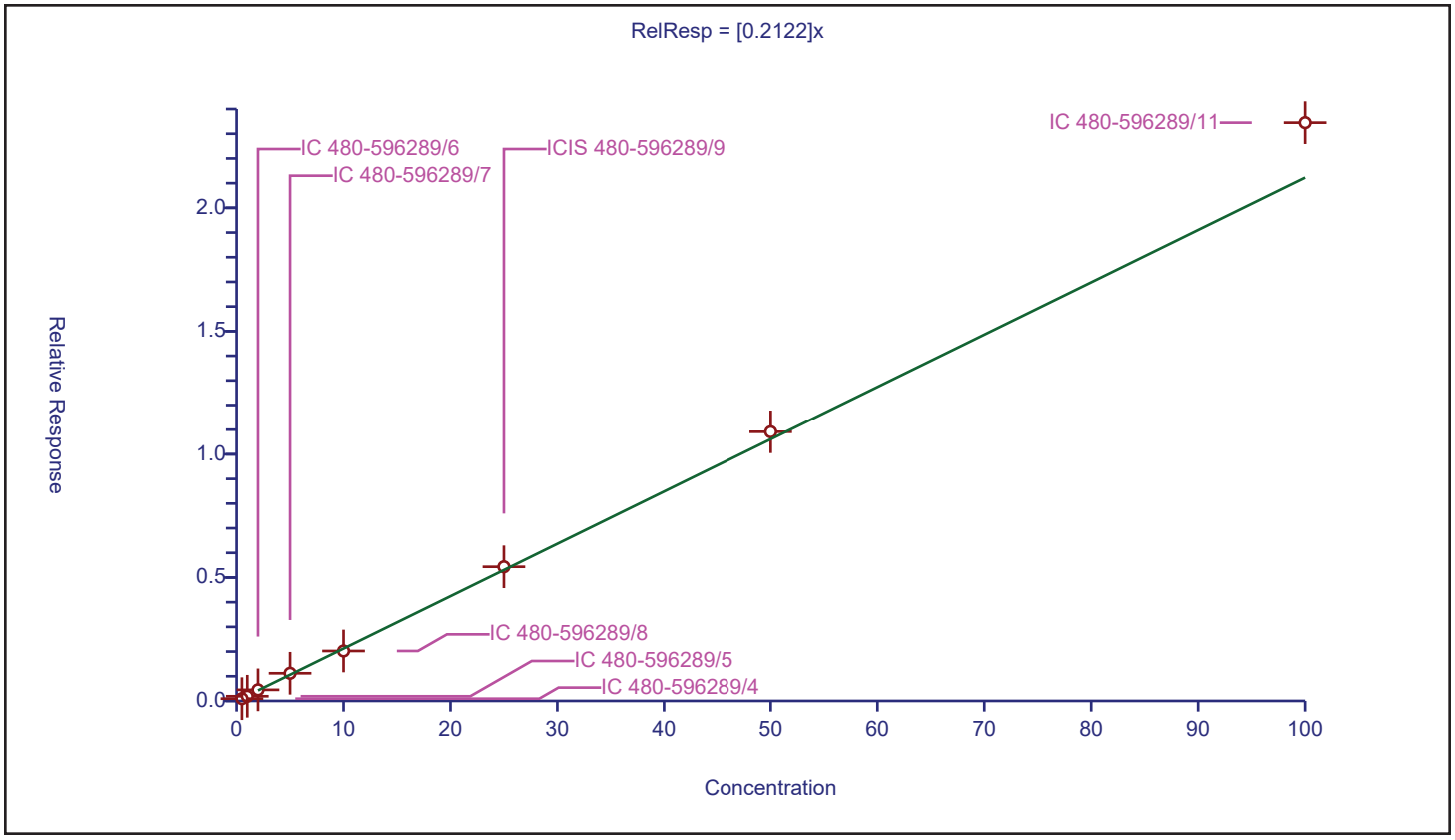
Curve Coefficients

Intercept:	0
Slope:	0.2122

Error Coefficients

Standard Error:	154000
Relative Standard Error:	8.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.092809	25.0	357993.0	0.185618	Y
2	IC 480-596289/5	1.0	0.190772	25.0	344522.0	0.190772	Y
3	IC 480-596289/6	2.0	0.449579	25.0	339540.0	0.224789	Y
4	IC 480-596289/7	5.0	1.120862	25.0	335010.0	0.224172	Y
5	IC 480-596289/8	10.0	2.023821	25.0	342681.0	0.202382	Y
6	ICIS 480-596289/9	25.0	5.436238	25.0	371999.0	0.21745	Y
7	IC 480-596289/10	50.0	10.912932	25.0	390555.0	0.218259	Y
8	IC 480-596289/11	100.0	23.448213	25.0	382285.0	0.234482	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

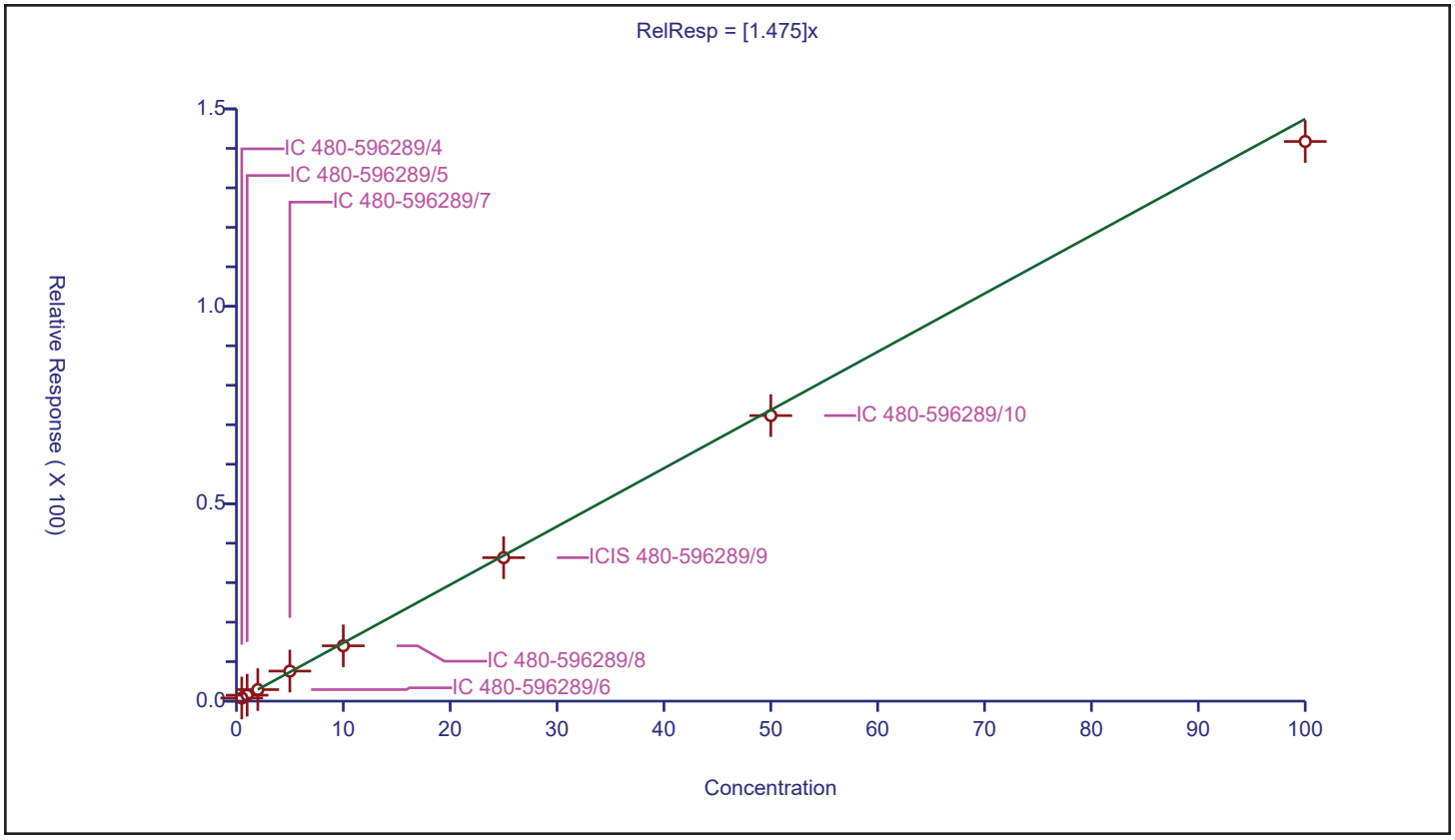
Curve Coefficients

Intercept:	0
Slope:	1.475

Error Coefficients

Standard Error:	950000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.793312	25.0	357993.0	1.586623	Y
2	IC 480-596289/5	1.0	1.507959	25.0	344522.0	1.507959	Y
3	IC 480-596289/6	2.0	2.922336	25.0	339540.0	1.461168	Y
4	IC 480-596289/7	5.0	7.614176	25.0	335010.0	1.522835	Y
5	IC 480-596289/8	10.0	14.011136	25.0	342681.0	1.401114	Y
6	ICIS 480-596289/9	25.0	36.338539	25.0	371999.0	1.453542	Y
7	IC 480-596289/10	50.0	72.323616	25.0	390555.0	1.446472	Y
8	IC 480-596289/11	100.0	141.750069	25.0	382285.0	1.417501	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

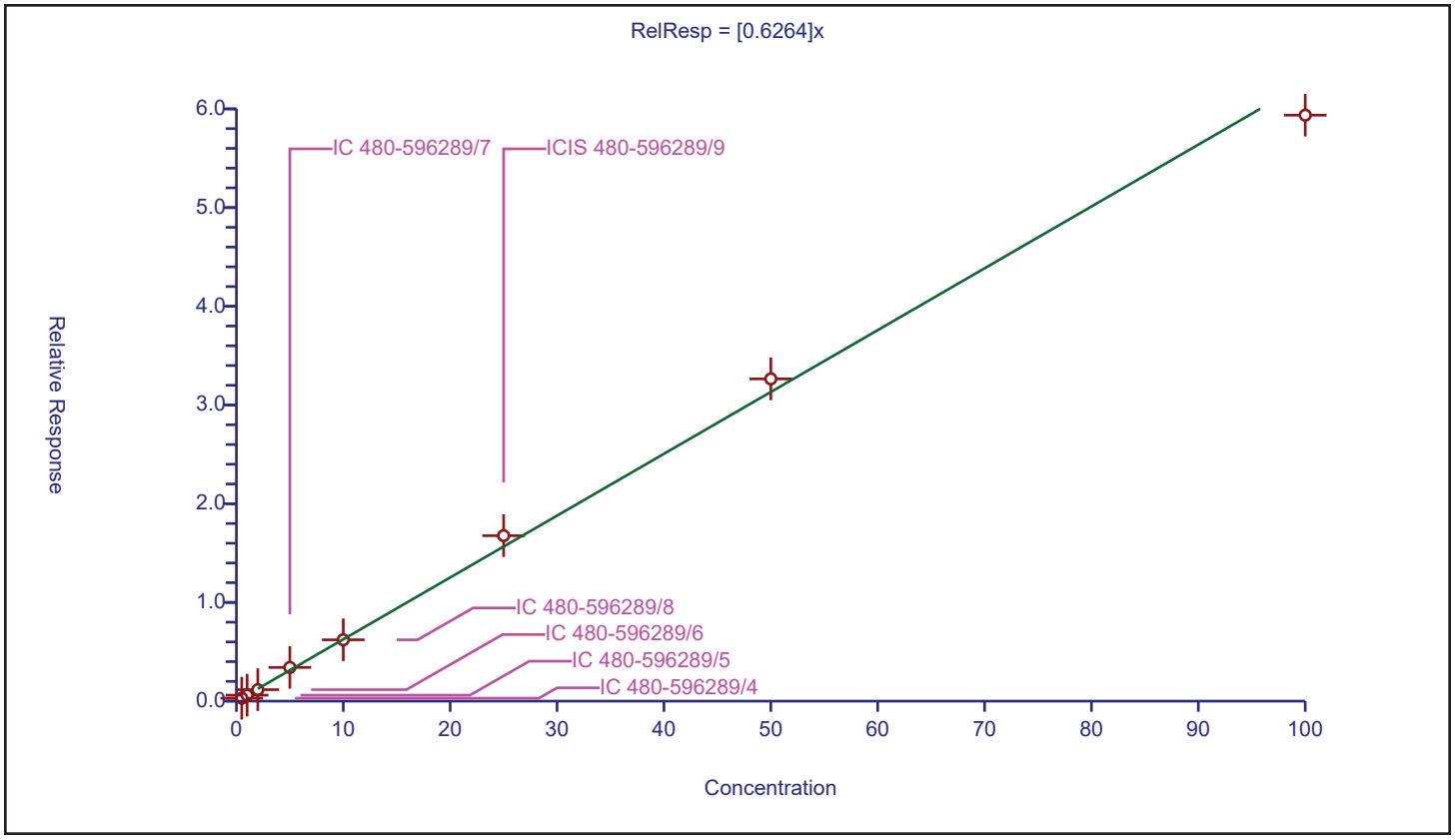
Curve Coefficients

Intercept:	0
Slope:	0.6264

Error Coefficients

Standard Error:	406000
Relative Standard Error:	6.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.301123	25.0	357993.0	0.602246	Y
2	IC 480-596289/5	1.0	0.606928	25.0	344522.0	0.606928	Y
3	IC 480-596289/6	2.0	1.160688	25.0	339540.0	0.580344	Y
4	IC 480-596289/7	5.0	3.41542	25.0	335010.0	0.683084	Y
5	IC 480-596289/8	10.0	6.216204	25.0	342681.0	0.62162	Y
6	ICIS 480-596289/9	25.0	16.762545	25.0	371999.0	0.670502	Y
7	IC 480-596289/10	50.0	32.647578	25.0	390555.0	0.652952	Y
8	IC 480-596289/11	100.0	59.364283	25.0	382285.0	0.593643	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

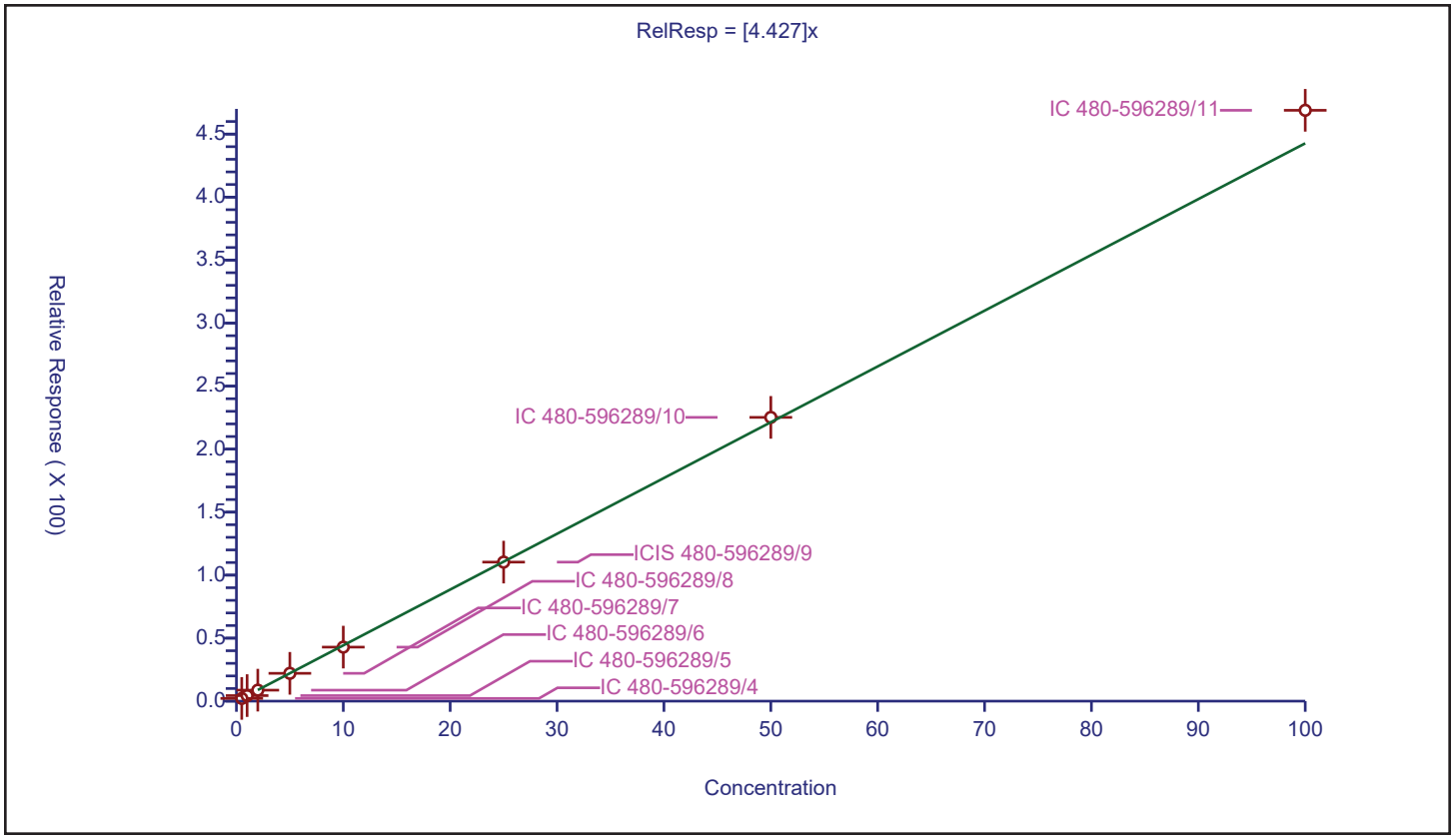
Curve Coefficients

Intercept:	0
Slope:	4.427

Error Coefficients

Standard Error:	3090000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	2.169945	25.0	357993.0	4.339889	Y
2	IC 480-596289/5	1.0	4.402549	25.0	344522.0	4.402549	Y
3	IC 480-596289/6	2.0	8.722905	25.0	339540.0	4.361452	Y
4	IC 480-596289/7	5.0	22.079938	25.0	335010.0	4.415988	Y
5	IC 480-596289/8	10.0	42.882083	25.0	342681.0	4.288208	Y
6	ICIS 480-596289/9	25.0	110.339611	25.0	371999.0	4.413584	Y
7	IC 480-596289/10	50.0	225.197859	25.0	390555.0	4.503957	Y
8	IC 480-596289/11	100.0	468.878847	25.0	382285.0	4.688788	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

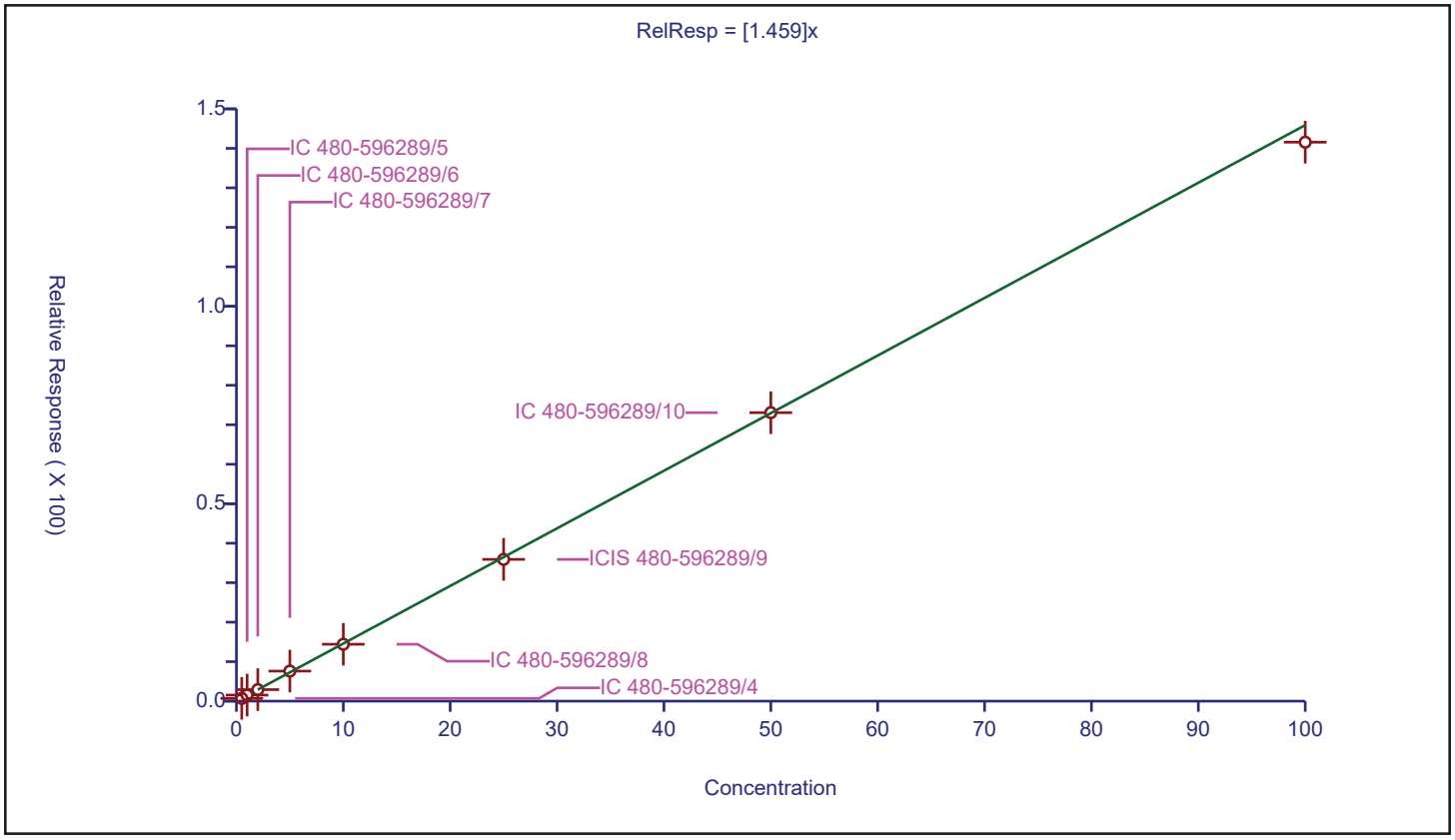
Curve Coefficients

Intercept:	0
Slope:	1.459

Error Coefficients

Standard Error:	951000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.698477	25.0	357993.0	1.396955	Y
2	IC 480-596289/5	1.0	1.538654	25.0	344522.0	1.538654	Y
3	IC 480-596289/6	2.0	2.917845	25.0	339540.0	1.458922	Y
4	IC 480-596289/7	5.0	7.610071	25.0	335010.0	1.522014	Y
5	IC 480-596289/8	10.0	14.410195	25.0	342681.0	1.441019	Y
6	ICIS 480-596289/9	25.0	35.90097	25.0	371999.0	1.436039	Y
7	IC 480-596289/10	50.0	73.064549	25.0	390555.0	1.461291	Y
8	IC 480-596289/11	100.0	141.564867	25.0	382285.0	1.415649	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab Sample ID: ICV 480-596289/25 Calibration Date: 09/15/2021 01:44

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S3520.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.779	1.383	0.1000	19.4	25.0	-22.3	50.0
Chloromethane	Ave	2.351	2.061	0.1000	21.9	25.0	-12.3	30.0
Butadiene	Ave	2.523	2.006		19.9	25.0	-20.5	30.0
Vinyl chloride	Ave	2.134	1.812	0.1000	21.2	25.0	-15.1	30.0
Bromomethane	Ave	1.433	1.234	0.1000	21.5	25.0	-13.9	50.0
Chloroethane	Ave	1.485	1.205	0.1000	20.3	25.0	-18.8	50.0
Dichlorofluoromethane	Ave	3.077	2.638		21.4	25.0	-14.3	30.0
Trichlorofluoromethane	Ave	2.620	2.146	0.1000	20.5	25.0	-18.1	30.0
Ethyl ether	Ave	1.796	1.596		22.2	25.0	-11.1	30.0
Acrolein	Ave	0.1299	0.0991		95.3	125	-23.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.419	1.379	0.1000	24.3	25.0	-2.8	30.0
1,1-Dichloroethene	Ave	1.521	1.333	0.1000	21.9	25.0	-12.3	30.0
Acetone	Ave	0.7694	0.7168	0.1000	116	125	-6.8	50.0
Iodomethane	Ave	2.719	2.408		22.1	25.0	-11.4	30.0
Carbon disulfide	Ave	4.887	4.592	0.1000	23.5	25.0	-6.0	30.0
Allyl chloride	Ave	2.998	2.726		22.7	25.0	-9.1	30.0
Methyl acetate	Ave	2.026	1.747	0.1000	43.1	50.0	-13.8	50.0
Methylene Chloride	Lin1		1.675	0.1000	23.6	25.0	-5.8	30.0
2-Methyl-2-propanol	Ave	0.2395	0.2115		221	250	-11.7	50.0
Methyl tert-butyl ether	Ave	5.484	5.035	0.1000	22.9	25.0	-8.2	30.0
trans-1,2-Dichloroethene	Ave	1.714	1.541	0.1000	22.5	25.0	-10.1	30.0
Acrylonitrile	Ave	1.049	0.9484		226	250	-9.6	30.0
Hexane	Ave	2.599	2.355		22.7	25.0	-9.4	30.0
1,1-Dichloroethane	Ave	3.142	2.877	0.2000	22.9	25.0	-8.4	30.0
Vinyl acetate	Ave	4.152	3.696		44.5	50.0	-11.0	30.0
2,2-Dichloropropane	Ave	1.596	1.413		22.1	25.0	-11.5	30.0
cis-1,2-Dichloroethene	Ave	1.852	1.694	0.1000	22.9	25.0	-8.6	30.0
2-Butanone (MEK)	Ave	1.175	1.053	0.1000	112	125	-10.4	30.0
Chlorobromomethane	Ave	0.9936	0.9408		23.7	25.0	-5.3	30.0
Tetrahydrofuran	Ave	0.8718	0.7143		41.0	50.0	-18.1	30.0
Chloroform	Ave	3.114	2.704	0.2000	21.7	25.0	-13.1	30.0
1,1,1-Trichloroethane	Ave	2.460	2.340	0.1000	23.8	25.0	-4.9	30.0
Cyclohexane	Ave	3.206	3.040	0.1000	23.7	25.0	-5.2	30.0
Carbon tetrachloride	Ave	2.159	2.060	0.1000	23.9	25.0	-4.6	30.0
1,1-Dichloropropene	Ave	2.159	2.054		23.8	25.0	-4.9	30.0
Benzene	Ave	6.681	6.200	0.5000	23.2	25.0	-7.2	30.0
Isobutyl alcohol	Ave	0.0820	0.0650		495	625	-20.7	50.0
1,2-Dichloroethane	Ave	2.535	2.288	0.1000	22.6	25.0	-9.7	30.0
n-Heptane	Ave	2.950	2.269		19.2	25.0	-23.1	30.0
Trichloroethene	Ave	1.599	1.522	0.2000	23.8	25.0	-4.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab Sample ID: ICV 480-596289/25 Calibration Date: 09/15/2021 01:44

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S3520.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.919	2.716	0.1000	23.3	25.0	-6.9	30.0
1,2-Dichloropropane	Ave	1.698	1.558	0.1000	22.9	25.0	-8.3	30.0
Dibromomethane	Ave	1.057	0.9695	0.1000	22.9	25.0	-8.2	30.0
1,4-Dioxane	Lin1		0.0082		376	500	-24.8	50.0
Bromodichloromethane	Ave	1.951	1.859	0.2000	23.8	25.0	-4.7	30.0
2-Chloroethyl vinyl ether	Ave	1.175	1.088		23.1	25.0	-7.5	30.0
cis-1,3-Dichloropropene	Ave	2.518	2.336	0.2000	23.2	25.0	-7.2	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.264	1.137	0.1000	113	125	-10.0	30.0
Toluene	Ave	2.023	1.906	0.4000	23.5	25.0	-5.8	30.0
trans-1,3-Dichloropropene	Ave	1.166	1.073	0.1000	23.0	25.0	-8.0	30.0
Ethyl methacrylate	Ave	1.006	0.9811		24.4	25.0	-2.5	30.0
1,1,2-Trichloroethane	Ave	0.6255	0.5635	0.1000	22.5	25.0	-9.9	30.0
Tetrachloroethene	Ave	0.8789	0.8181	0.2000	23.3	25.0	-6.9	30.0
1,3-Dichloropropane	Ave	1.287	1.159		22.5	25.0	-9.9	30.0
2-Hexanone	Ave	0.8479	0.7633	0.1000	113	125	-10.0	30.0
Dibromochloromethane	Ave	0.7357	0.6882	0.1000	23.4	25.0	-6.5	30.0
1,2-Dibromoethane	Ave	0.7815	0.7197		23.0	25.0	-7.9	30.0
Chlorobenzene	Ave	2.308	2.148	0.5000	23.3	25.0	-6.9	30.0
Ethylbenzene	Ave	3.803	3.596	0.1000	23.6	25.0	-5.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.8349	0.7973		23.9	25.0	-4.5	30.0
m,p-Xylene	Ave	1.542	1.463	0.1000	23.7	25.0	-5.1	30.0
o-Xylene	Ave	1.525	1.448	0.3000	23.7	25.0	-5.0	30.0
Styrene	Ave	2.506	2.311	0.3000	23.0	25.0	-7.8	30.0
Bromoform	Ave	0.5117	0.4790	0.1000	23.4	25.0	-6.4	50.0
Isopropylbenzene	Ave	3.798	3.779	0.1000	24.9	25.0	-0.5	30.0
Bromobenzene	Ave	0.9692	0.9531		24.6	25.0	-1.7	30.0
1,1,2,2-Tetrachloroethane	Ave	1.041	0.998	0.3000	24.0	25.0	-4.2	30.0
N-Propylbenzene	Ave	4.251	4.194		24.7	25.0	-1.3	30.0
1,2,3-Trichloropropane	Ave	0.3606	0.3442		23.9	25.0	-4.5	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.2847		20.2	25.0	-19.1	50.0
2-Chlorotoluene	Ave	0.9259	0.8818		23.8	25.0	-4.8	30.0
1,3,5-Trimethylbenzene	Ave	3.230	3.208		24.8	25.0	-0.7	30.0
4-Chlorotoluene	Ave	0.9159	0.9021		24.6	25.0	-1.5	30.0
tert-Butylbenzene	Ave	0.7165	0.7235		25.2	25.0	1.0	30.0
1,2,4-Trimethylbenzene	Ave	3.352	3.276		24.4	25.0	-2.3	30.0
sec-Butylbenzene	Ave	3.996	3.985		24.9	25.0	-0.3	30.0
1,3-Dichlorobenzene	Ave	1.911	1.797	0.6000	23.5	25.0	-5.9	30.0
4-Isopropyltoluene	Ave	3.568	3.518		24.7	25.0	-1.4	30.0
1,4-Dichlorobenzene	Ave	1.955	1.831	0.5000	23.4	25.0	-6.3	30.0
n-Butylbenzene	Ave	2.965	2.919		24.6	25.0	-1.6	30.0
1,2-Dichlorobenzene	Ave	1.950	1.853	0.4000	23.8	25.0	-5.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab Sample ID: ICV 480-596289/25 Calibration Date: 09/15/2021 01:44

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S3520.D Conc. Units: ug/L 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	0.2122	0.2032	0.0500	23.9	25.0	-4.3	50.0
1,2,4-Trichlorobenzene	Ave	1.475	1.389	0.2000	23.6	25.0	-5.8	30.0
Hexachlorobutadiene	Ave	0.6264	0.5981		23.9	25.0	-4.5	30.0
Naphthalene	Ave	4.427	4.236		23.9	25.0	-4.3	30.0
1,2,3-Trichlorobenzene	Ave	1.459	1.416		24.3	25.0	-3.0	30.0
Dibromofluoromethane (Surr)	Ave	1.346	1.329		24.7	25.0	-1.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8718	0.8515		24.4	25.0	-2.3	30.0
Toluene-d8 (Surr)	Ave	2.530	2.514		24.8	25.0	-0.6	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8445	0.8283		24.5	25.0	-1.9	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3520.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-Sep-2021 01:44:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0100971-025
Operator ID: wd Instrument ID: HP5973S
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:52:08 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:47:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	166897	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	86	340656	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	55	340955	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.434	0.000	58	221770	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	50	142108	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	75	856425	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	92	282168	25.0	24.5	
10 Dichlorodifluoromethane	85	1.088	1.081	0.000	87	230866	25.0	19.4	
12 Chloromethane	50	1.246	1.246	0.000	99	344038	25.0	21.9	M
13 Vinyl chloride	62	1.325	1.319	0.006	53	302356	25.0	21.2	
151 Butadiene	54	1.325	1.325	0.000	63	334803	25.0	19.9	
14 Bromomethane	94	1.580	1.586	-0.006	89	205958	25.0	21.5	
15 Chloroethane	64	1.647	1.647	0.000	95	201164	25.0	20.3	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	82	440306	25.0	21.4	
17 Trichlorofluoromethane	101	1.854	1.860	-0.006	62	358160	25.0	20.5	
18 Ethyl ether	59	2.097	2.091	0.006	91	266403	25.0	22.2	
20 Acrolein	56	2.274	2.280	0.000	88	82690	125.0	95.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	70	230075	25.0	24.3	
22 1,1-Dichloroethene	96	2.310	2.304	0.006	89	222551	25.0	21.9	
23 Acetone	43	2.420	2.420	0.000	99	598162	125.0	116.5	
25 Iodomethane	142	2.462	2.462	0.000	98	401889	25.0	22.1	
26 Carbon disulfide	76	2.499	2.499	0.000	99	766426	25.0	23.5	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	88	455034	25.0	22.7	
27 Methyl acetate	43	2.706	2.700	0.006	96	582978	50.0	43.1	
30 Methylene Chloride	84	2.803	2.803	0.000	91	279631	25.0	23.6	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	57	353032	250.0	220.8	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	94	840256	25.0	22.9	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	88	257185	25.0	22.5	
33 Acrylonitrile	53	3.077	3.071	0.000	100	1582817	250.0	226.0	
35 Hexane	57	3.199	3.199	0.000	88	393101	25.0	22.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	85	480214	25.0	22.9	
37 Vinyl acetate	43	3.478	3.478	0.000	97	1233848	50.0	44.5	
44 2,2-Dichloropropane	77	3.929	3.923	0.006	92	235767	25.0	22.1	
45 cis-1,2-Dichloroethene	96	3.965	3.959	0.000	67	282692	25.0	22.9	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	98	878706	125.0	112.0	
48 Chlorobromomethane	128	4.196	4.196	0.000	96	157019	25.0	23.7	
49 Tetrahydrofuran	42	4.215	4.208	0.007	90	238442	50.0	41.0	
50 Chloroform	83	4.275	4.275	0.000	81	451368	25.0	21.7	
51 1,1,1-Trichloroethane	97	4.379	4.373	0.006	79	390591	25.0	23.8	
52 Cyclohexane	56	4.379	4.379	0.000	91	507402	25.0	23.7	
55 Carbon tetrachloride	117	4.513	4.507	0.006	81	343780	25.0	23.9	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	91	342884	25.0	23.8	
57 Benzene	78	4.732	4.726	0.006	96	1034842	25.0	23.2	
53 Isobutyl alcohol	43	4.780	4.792	0.000	62	271014	625.0	495.3	
58 1,2-Dichloroethane	62	4.805	4.805	0.000	74	381935	25.0	22.6	
59 n-Heptane	43	4.914	4.914	0.000	93	378708	25.0	19.2	
62 Trichloroethene	95	5.334	5.334	0.000	91	253967	25.0	23.8	
64 Methylcyclohexane	83	5.443	5.443	0.000	94	453352	25.0	23.3	
65 1,2-Dichloropropane	63	5.571	5.577	-0.006	93	259962	25.0	22.9	
67 Dibromomethane	93	5.711	5.711	0.000	88	161808	25.0	22.9	
66 1,4-Dioxane	88	5.717	5.748	0.000	18	55981	500.0	375.9	
68 Dichlorobromomethane	83	5.869	5.869	0.000	92	310311	25.0	23.8	
69 2-Chloroethyl vinyl ether	63	6.155	6.161	0.000	94	181566	25.0	23.1	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	88	389788	25.0	23.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	1937318	125.0	112.5	
74 Toluene	92	6.557	6.557	0.000	87	649181	25.0	23.5	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	92	365632	25.0	23.0	
75 Ethyl methacrylate	69	6.903	6.903	0.000	72	334212	25.0	24.4	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	89	191954	25.0	22.5	
81 Tetrachloroethene	166	7.080	7.080	0.000	91	278676	25.0	23.3	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	94	394739	25.0	22.5	
80 2-Hexanone	43	7.275	7.275	0.000	97	1300070	125.0	112.5	
83 Chlorodibromomethane	129	7.427	7.427	0.000	90	234424	25.0	23.4	
84 Ethylene Dibromide	107	7.518	7.518	0.000	99	245183	25.0	23.0	
87 Chlorobenzene	112	7.992	7.992	0.000	94	731613	25.0	23.3	
88 Ethylbenzene	91	8.090	8.090	0.000	98	1225144	25.0	23.6	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	41	271618	25.0	23.9	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	498497	25.0	23.7	
91 o-Xylene	106	8.631	8.631	0.000	97	493370	25.0	23.7	
92 Styrene	104	8.668	8.668	0.000	92	787157	25.0	23.0	
95 Bromoform	173	8.911	8.911	0.000	97	163188	25.0	23.4	
94 Isopropylbenzene	105	9.021	9.021	0.000	96	1288630	25.0	24.9	
101 Bromobenzene	156	9.367	9.367	0.000	92	324960	25.0	24.6	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	59	340181	25.0	24.0	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	1429937	25.0	24.7	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	64	117368	25.0	23.9	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.495	0.006	94	97066	25.0	20.2	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	300666	25.0	23.8	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	1093767	25.0	24.8	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	307562	25.0	24.6	
106 tert-Butylbenzene	134	9.976	9.976	0.000	90	246689	25.0	25.2	
107 1,2,4-Trimethylbenzene	105	10.037	10.037	-0.001	54	1116820	25.0	24.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	94	1358826	25.0	24.9	
111 1,3-Dichlorobenzene	146	10.322	10.329	-0.007	98	612825	25.0	23.5	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	1199648	25.0	24.7	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	96	624372	25.0	23.4	
115 n-Butylbenzene	91	10.736	10.736	0.000	94	995386	25.0	24.6	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	98	631704	25.0	23.8	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	81	69286	25.0	23.9	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	95	473673	25.0	23.6	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	93	203934	25.0	23.9	
121 Naphthalene	128	12.409	12.409	0.000	97	1444455	25.0	23.9	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	482630	25.0	24.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SS GAS CORP_00421	Amount Added:	12.50	Units: uL	
SS 8260 CORP_00094	Amount Added:	12.50	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

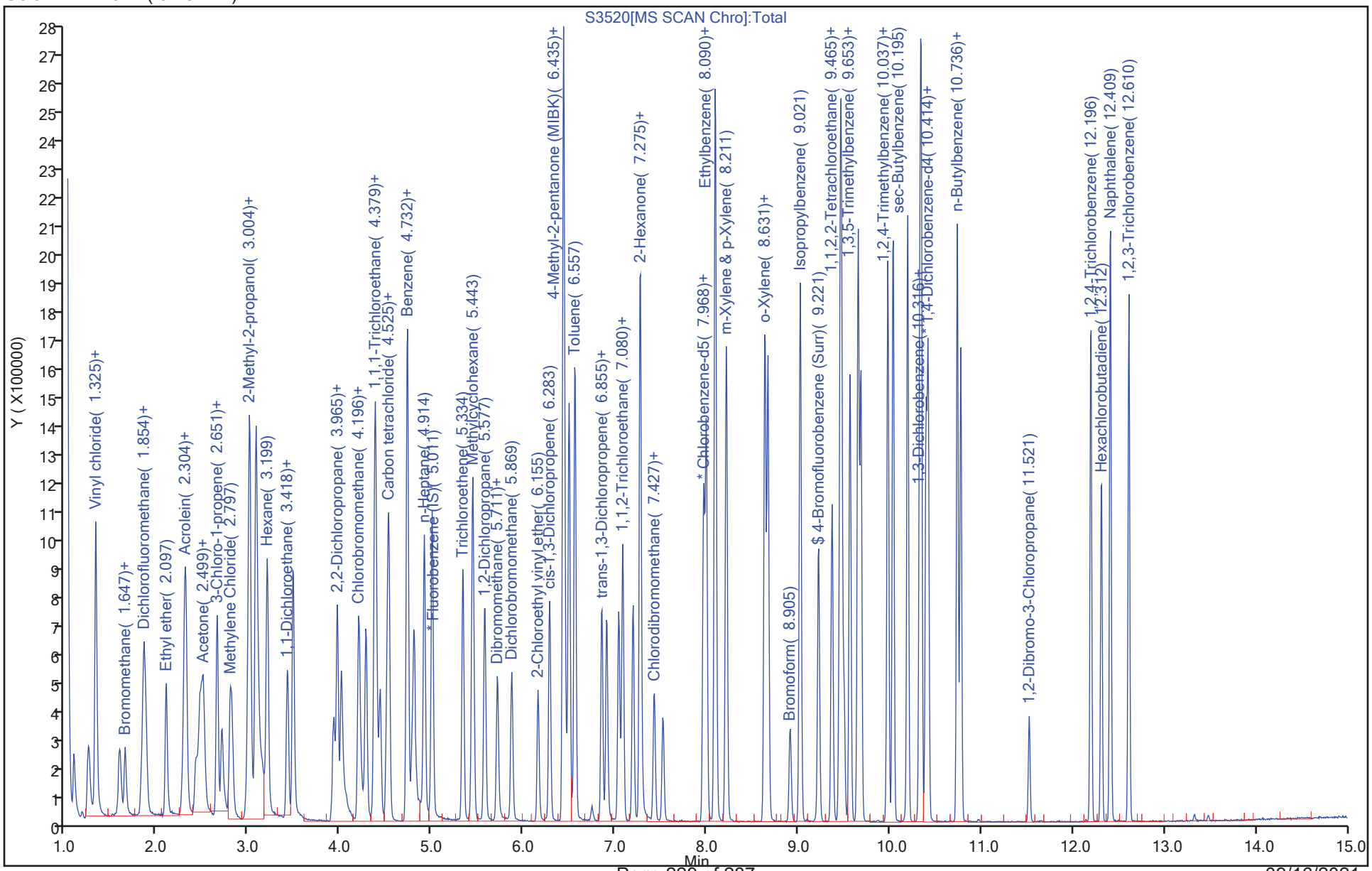
Report Date: 15-Sep-2021 10:52:11 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3520.D

Injection Date:	15-Sep-2021 01:44:30	Instrument ID:	HP5973S	Operator ID:	wd
Lims ID:	ICV			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

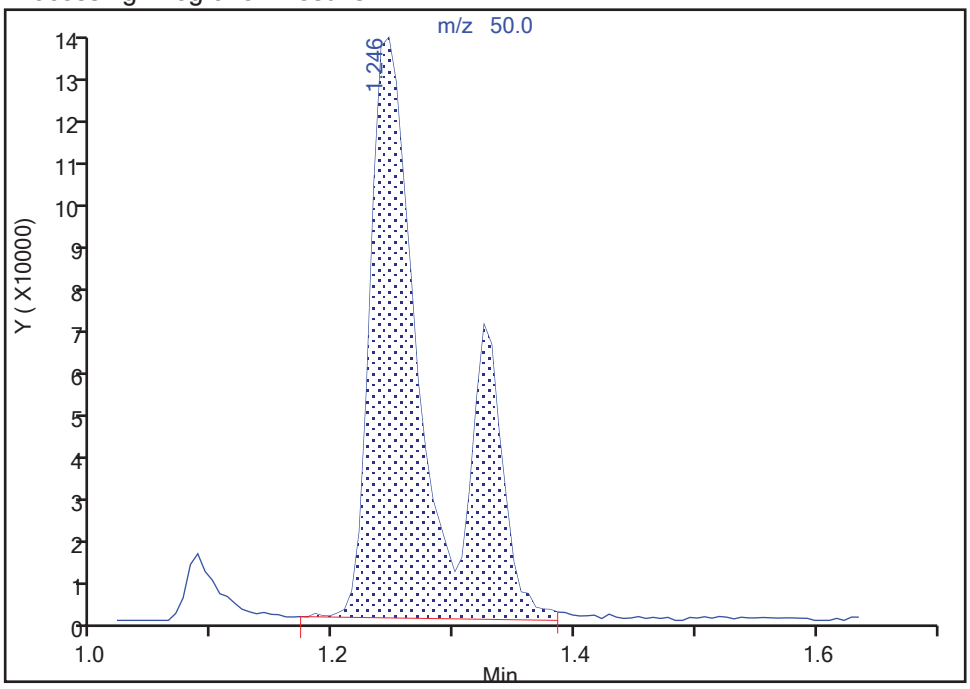
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3520.D
Injection Date: 15-Sep-2021 01:44:30 Instrument ID: HP5973S
Lims ID: ICV
Client ID:
Operator ID: wd ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

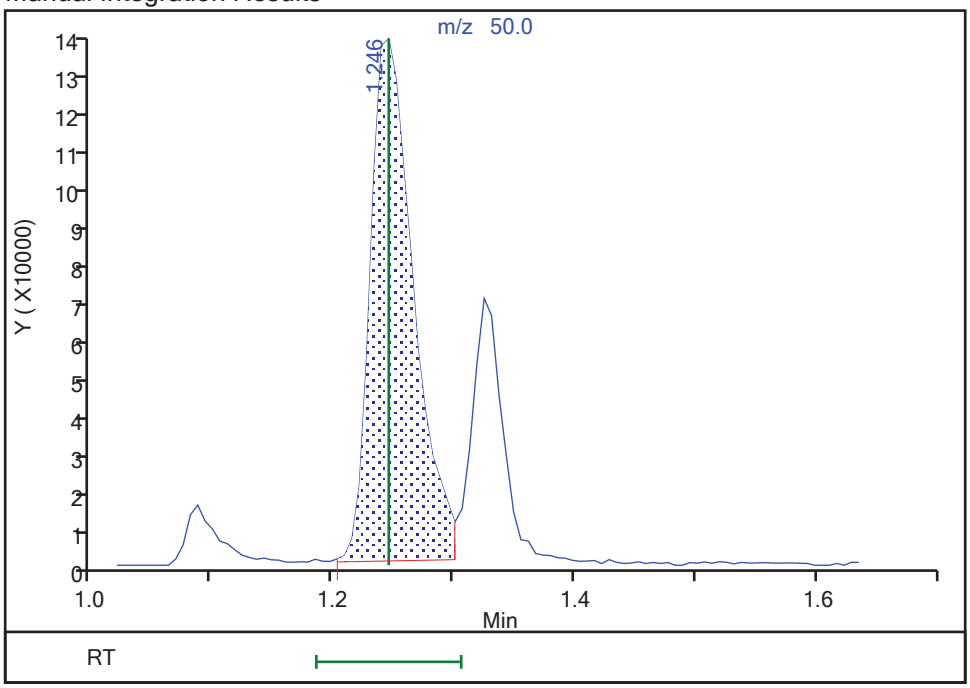
Processing Integration Results

RT: 1.25
Area: 474009
Amount: 30.205236
Amount Units: ug/L



Manual Integration Results

RT: 1.25
Area: 344038
Amount: 21.923105
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:47:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab Sample ID: ICV 480-596289/26 Calibration Date: 09/15/2021 02:07

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S3521.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	1.346	1.356		25.2	25.0	0.7	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8718	0.8354		24.0	25.0	-4.2	30.0
Toluene-d8 (Surr)	Ave	2.530	2.517		24.9	25.0	-0.5	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8445	0.8029		23.8	25.0	-4.9	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3521.D
Lims ID: ICV ADD
Client ID:
Sample Type: ICV
Inject. Date: 15-Sep-2021 02:07:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV ADD
Misc. Info.: 480-0100971-026
Operator ID: wd Instrument ID: HP5973S
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:52:08 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:49:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	162427	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	85	315618	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	76	315349	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.434	0.000	66	220201	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	55	135695	25.0	24.0	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	93	794522	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	92	253394	25.0	23.8	
11 Chlorodifluoromethane	51	1.106	1.106	0.000	80	394674	25.0	27.4	
148 Ethanol	45	2.286	2.286	0.116	0	133180	1000.0	964.2	M
19 Propene oxide	58	2.183	2.176	0.007	96	409147	NC	NC	
24 Isopropyl alcohol	45	2.602	2.602	0.006	90	144376	250.0	215.4	M
29 Acetonitrile	40	2.718	2.724	-0.006	96	232004	250.0	232.7	
36 Isopropyl ether	45	3.436	3.436	0.000	94	966557	25.0	23.7	
40 2-Chloro-1,3-butadiene	53	3.472	3.472	0.000	90	490163	25.0	27.1	
38 1,1-Dimethoxyethane	75	3.515	3.509	0.006	62	210890	125.0	120.0	
41 Tert-butyl ethyl ether	59	3.770	3.770	0.000	98	885505	25.0	25.1	
42 Ethyl acetate	43	4.044	4.038	0.006	99	549203	50.0	42.6	
46 Propionitrile	54	4.111	4.111	0.000	99	456657	250.0	222.6	
47 Methacrylonitrile	41	4.215	4.214	0.001	95	2009457	250.0	222.4	
152 Isooctane	57	4.726	4.719	0.007	96	1084126	25.0	28.3	
56 Tert-amyl methyl ether	73	4.811	4.811	0.000	92	887872	25.0	24.4	
147 t-Amyl alcohol	59	4.829	4.829	0.000	33	277027	250.0	226.7	
1 1,4-Difluorobenzene	114	5.115	5.115	0.000	94	741603	25.0	23.6	
60 n-Butanol	56	5.395	5.401	-0.006	91	100783	625.0	491.2	
142 Ethyl acrylate	55	5.480	5.474	0.006	95	315724	25.0	20.8	
63 Methyl methacrylate	41	5.687	5.687	0.000	92	482280	50.0	42.4	
70 2-Nitropropane	43	6.125	6.125	0.000	95	128330	50.0	39.8	
71 Epichlorohydrin	57	6.246	6.246	0.000	97	303188	250.0	207.9	
155 n-Butyl acetate	43	7.390	7.384	0.006	98	434976	25.0	22.0	
146 1-Chlorohexane	55	7.956	7.956	0.000	90	242953	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
85 3-Chlorobenzotrifluoride	180	7.980	7.980	0.000	92	406344	25.0	26.5	
86 4-Chlorobenzotrifluoride	180	8.047	8.041	0.006	95	373472	25.0	26.9	
93 2-Chlorobenzotrifluoride	180	8.954	8.953	0.001	98	415734	25.0	25.7	
96 Cyclohexanone	55	9.197	9.197	0.000	94	113007	250.0	208.8	
104 3-Chlorotoluene	126	9.635	9.635	0.000	97	291857	25.0	24.6	
108 Pentachloroethane	167	10.037	10.036	0.000	84	141793	25.0	24.1	
114 Dicyclopentadiene	66	10.389	10.389	0.000	96	1197399	25.0	24.5	
112 1,2,3-Trimethylbenzene	105	10.450	10.450	0.000	57	1116704	25.0	24.8	
150 Benzyl chloride	126	10.572	10.572	0.000	99	100072	25.0	22.5	
118 1,3,5-Trichlorobenzene	180	11.649	11.648	0.001	94	466048	25.0	24.1	
149 2-Methylnaphthalene	142	13.322	13.321	0.001	89	961244	25.0	24.2	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

SS ADD CORP_00072	Amount Added: 12.50	Units: uL	
S_8260_IS_00351	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added: 1.00	Units: uL	Run Reagent

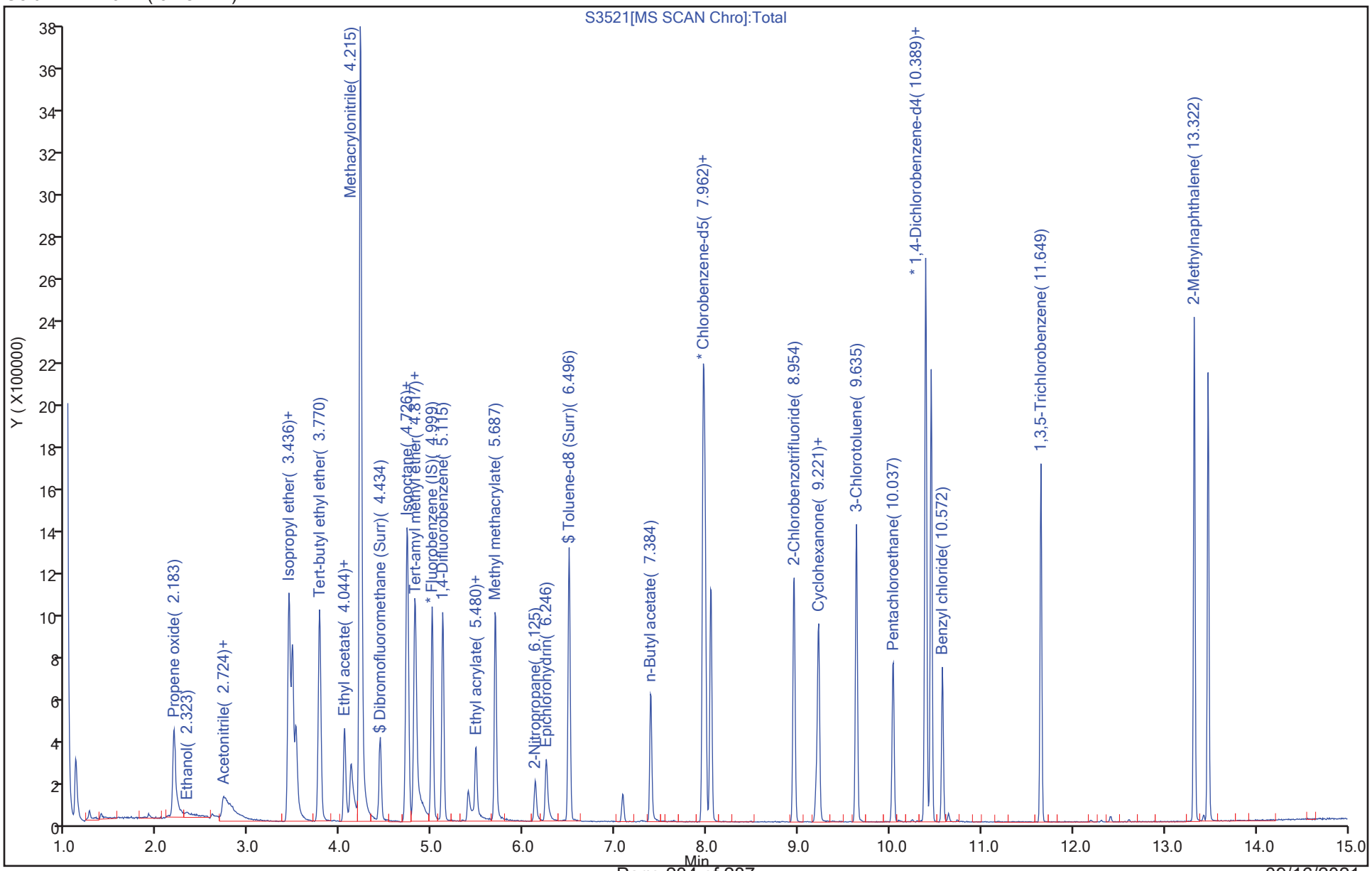
Report Date: 15-Sep-2021 10:52:15 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3521.D

Injection Date:	15-Sep-2021 02:07:30	Instrument ID:	HP5973S	Operator ID:	wd
Lims ID:	ICV ADD			Worklist Smp#:	26
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab Sample ID: ICV 480-596289/26 Calibration Date: 09/15/2021 02:07

Instrument ID: HP5973S Calib Start Date: 09/14/2021 22:16

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/15/2021 00:35

Lab File ID: S3521.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	2.221	2.430		27.4	25.0	9.4	30.0
Ethanol	Ave	0.0213	0.0205		964	1000	-3.6	30.0
Isopropyl alcohol	Ave	0.1032	0.0889		215	250	-13.9	30.0
Acetonitrile	Ave	0.1534	0.1428		233	250	-6.9	30.0
Isopropyl ether	Ave	6.288	5.951		23.7	25.0	-5.4	30.0
Chloroprene	Ave	2.787	3.018		27.1	25.0	8.3	30.0
1,1-Dimethoxyethane	Ave	0.2705	0.2597		120	125	-4.0	30.0
Tert-butyl ethyl ether	Ave	5.423	5.452		25.1	25.0	0.5	30.0
Ethyl acetate	Ave	1.985	1.691		42.6	50.0	-14.8	30.0
Propionitrile	Ave	0.3157	0.2811		223	250	-11.0	30.0
Methacrylonitrile	Ave	1.390	1.237		222	250	-11.0	30.0
Isooctane	Ave	5.895	6.675		28.3	25.0	13.2	30.0
Tert-amyl methyl ether	Ave	5.597	5.466		24.4	25.0	-2.3	30.0
t-Amyl alcohol	Ave	0.1881	0.1706		227	250	-9.3	30.0
1,4-Difluorobenzene	Ave	4.833	4.566		23.6	25.0	-5.5	30.0
n-Butanol	Ave	0.0316	0.0248		491	625	-21.4	30.0
Ethyl acrylate	Ave	2.335	1.944		20.8	25.0	-16.8	30.0
Methyl methacrylate	Ave	1.750	1.485		42.4	50.0	-15.2	30.0
2-Nitropropane	Ave	0.2559	0.2035		39.8	50.0	-20.5	30.0
Epichlorohydrin	Ave	0.2245	0.1867		208	250	-16.8	30.0
n-Butyl acetate	Ave	3.043	2.678	0.1000	22.0	25.0	-12.0	30.0
1-Chlorohexane	Lin1		0.7698		24.6	25.0	-1.4	30.0
3-Chlorobenzotrifluoride	Ave	1.214	1.289		26.5	25.0	6.1	30.0
4-Chlorobenzotrifluoride	Ave	1.102	1.184		26.9	25.0	7.5	30.0
2-Chlorobenzotrifluoride	Ave	1.282	1.318		25.7	25.0	2.8	30.0
Cyclohexanone	Ave	0.0429	0.0358		209	250	-16.5	30.0
3-Chlorotoluene	Ave	0.9417	0.9255		24.6	25.0	-1.7	30.0
Pentachloroethane	Ave	0.4658	0.4496		24.1	25.0	-3.5	30.0
Dicyclopentadiene	Ave	3.868	3.797		24.5	25.0	-1.8	30.0
1,2,3-Trimethylbenzene	Ave	3.571	3.541		24.8	25.0	-0.8	30.0
Benzyl chloride	Ave	0.3519	0.3171		22.5	25.0	-9.9	30.0
1,3,5-Trichlorobenzene	Ave	1.532	1.478		24.1	25.0	-3.6	30.0
2-Methylnaphthalene	Ave	3.150	3.048		24.2	25.0	-3.2	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3521.D
Lims ID: ICV ADD
Client ID:
Sample Type: ICV
Inject. Date: 15-Sep-2021 02:07:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV ADD
Misc. Info.: 480-0100971-026
Operator ID: wd Instrument ID: HP5973S
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:52:08 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:49:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	162427	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	85	315618	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	76	315349	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.434	0.000	66	220201	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	55	135695	25.0	24.0	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	93	794522	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	92	253394	25.0	23.8	
11 Chlorodifluoromethane	51	1.106	1.106	0.000	80	394674	25.0	27.4	
148 Ethanol	45	2.286	2.286	0.116	0	133180	1000.0	964.2	M
19 Propene oxide	58	2.183	2.176	0.007	96	409147	NC	NC	
24 Isopropyl alcohol	45	2.602	2.602	0.006	90	144376	250.0	215.4	M
29 Acetonitrile	40	2.718	2.724	-0.006	96	232004	250.0	232.7	
36 Isopropyl ether	45	3.436	3.436	0.000	94	966557	25.0	23.7	
40 2-Chloro-1,3-butadiene	53	3.472	3.472	0.000	90	490163	25.0	27.1	
38 1,1-Dimethoxyethane	75	3.515	3.509	0.006	62	210890	125.0	120.0	
41 Tert-butyl ethyl ether	59	3.770	3.770	0.000	98	885505	25.0	25.1	
42 Ethyl acetate	43	4.044	4.038	0.006	99	549203	50.0	42.6	
46 Propionitrile	54	4.111	4.111	0.000	99	456657	250.0	222.6	
47 Methacrylonitrile	41	4.215	4.214	0.001	95	2009457	250.0	222.4	
152 Isooctane	57	4.726	4.719	0.007	96	1084126	25.0	28.3	
56 Tert-amyl methyl ether	73	4.811	4.811	0.000	92	887872	25.0	24.4	
147 t-Amyl alcohol	59	4.829	4.829	0.000	33	277027	250.0	226.7	
1 1,4-Difluorobenzene	114	5.115	5.115	0.000	94	741603	25.0	23.6	
60 n-Butanol	56	5.395	5.401	-0.006	91	100783	625.0	491.2	
142 Ethyl acrylate	55	5.480	5.474	0.006	95	315724	25.0	20.8	
63 Methyl methacrylate	41	5.687	5.687	0.000	92	482280	50.0	42.4	
70 2-Nitropropane	43	6.125	6.125	0.000	95	128330	50.0	39.8	
71 Epichlorohydrin	57	6.246	6.246	0.000	97	303188	250.0	207.9	
155 n-Butyl acetate	43	7.390	7.384	0.006	98	434976	25.0	22.0	
146 1-Chlorohexane	55	7.956	7.956	0.000	90	242953	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
85 3-Chlorobenzotrifluoride	180	7.980	7.980	0.000	92	406344	25.0	26.5	
86 4-Chlorobenzotrifluoride	180	8.047	8.041	0.006	95	373472	25.0	26.9	
93 2-Chlorobenzotrifluoride	180	8.954	8.953	0.001	98	415734	25.0	25.7	
96 Cyclohexanone	55	9.197	9.197	0.000	94	113007	250.0	208.8	
104 3-Chlorotoluene	126	9.635	9.635	0.000	97	291857	25.0	24.6	
108 Pentachloroethane	167	10.037	10.036	0.000	84	141793	25.0	24.1	
114 Dicyclopentadiene	66	10.389	10.389	0.000	96	1197399	25.0	24.5	
112 1,2,3-Trimethylbenzene	105	10.450	10.450	0.000	57	1116704	25.0	24.8	
150 Benzyl chloride	126	10.572	10.572	0.000	99	100072	25.0	22.5	
118 1,3,5-Trichlorobenzene	180	11.649	11.648	0.001	94	466048	25.0	24.1	
149 2-Methylnaphthalene	142	13.322	13.321	0.001	89	961244	25.0	24.2	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

SS ADD CORP_00072	Amount Added: 12.50	Units: uL	
S_8260_IS_00351	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added: 1.00	Units: uL	Run Reagent

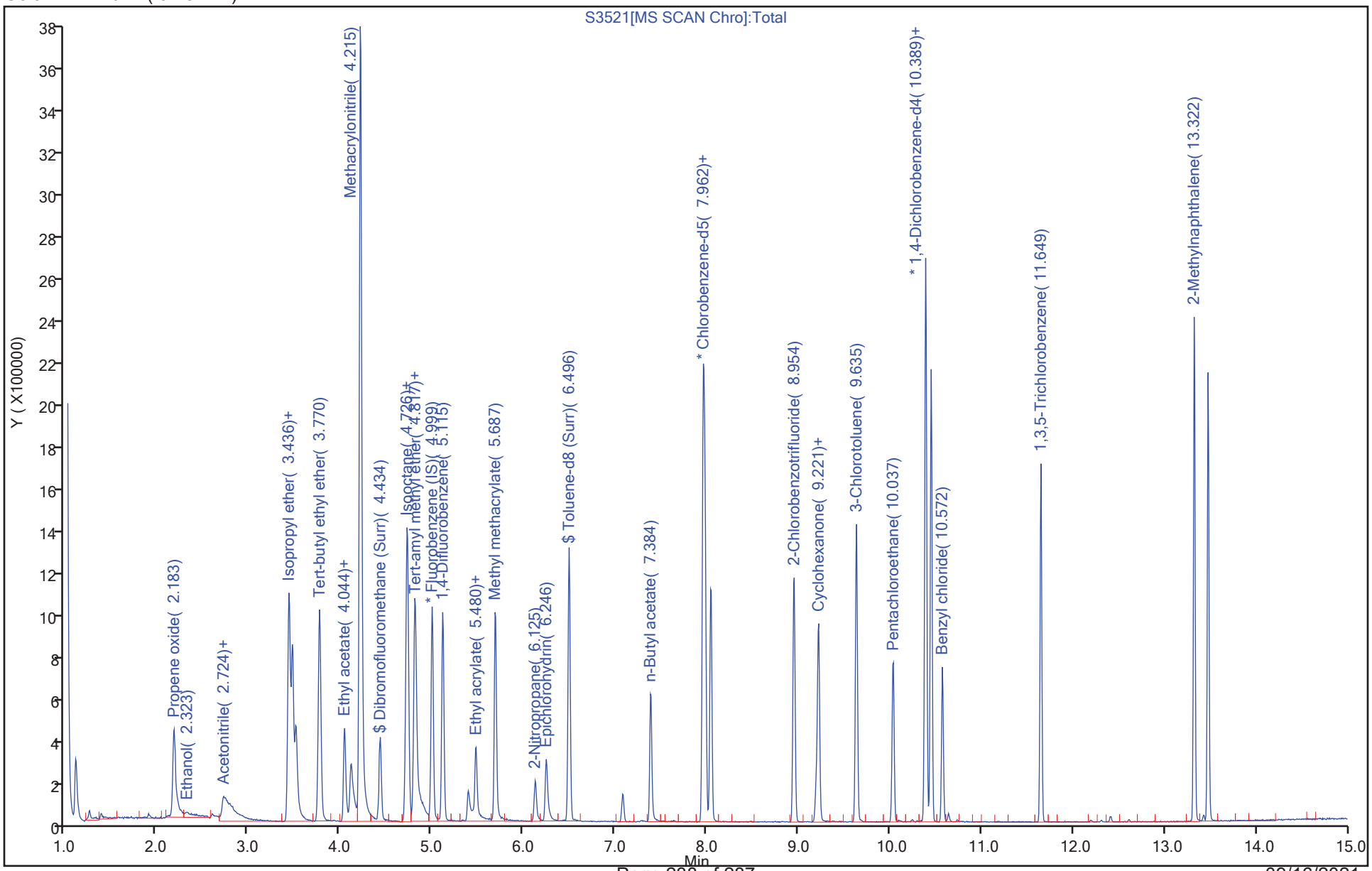
Report Date: 15-Sep-2021 10:52:15 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3521.D

Injection Date:	15-Sep-2021 02:07:30	Instrument ID:	HP5973S	Operator ID:	wd
Lims ID:	ICV ADD			Worklist Smp#:	26
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

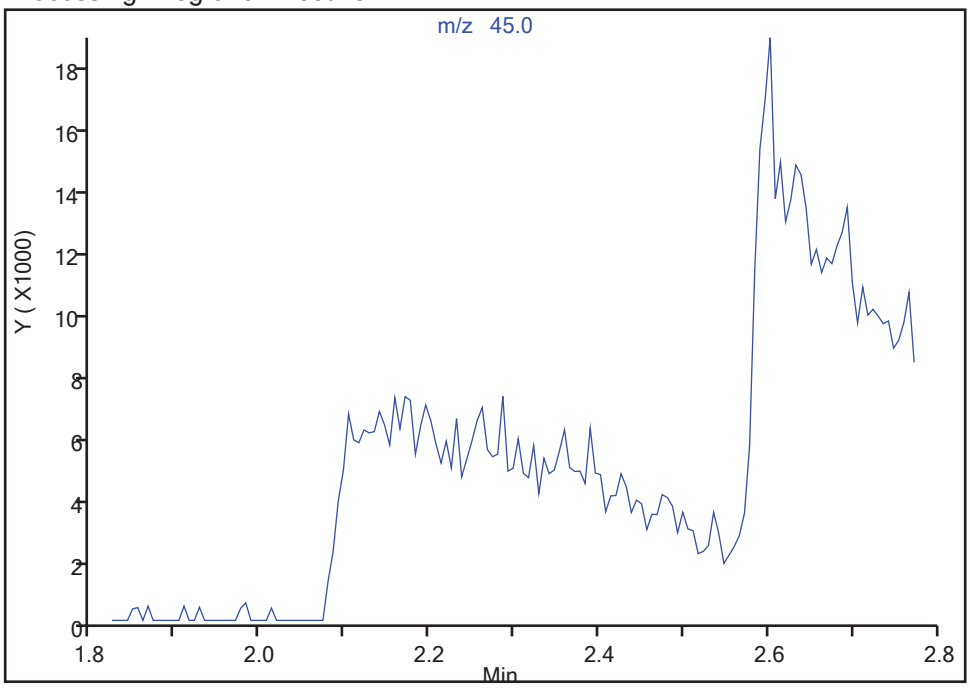
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3521.D
Injection Date: 15-Sep-2021 02:07:30 Instrument ID: HP5973S
Lims ID: ICV ADD
Client ID:
Operator ID: wd ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

148 Ethanol, CAS: 64-17-5

Signal: 1

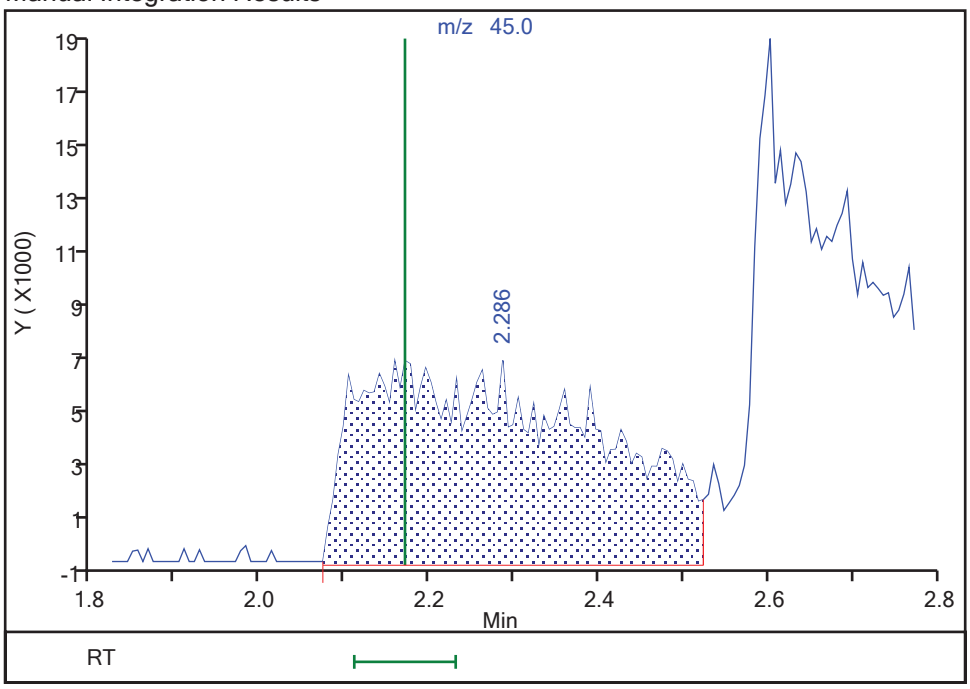
Not Detected
Expected RT: 2.17

Processing Integration Results



Manual Integration Results

RT: 2.29
Area: 133180
Amount: 964.1985
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:48:57
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

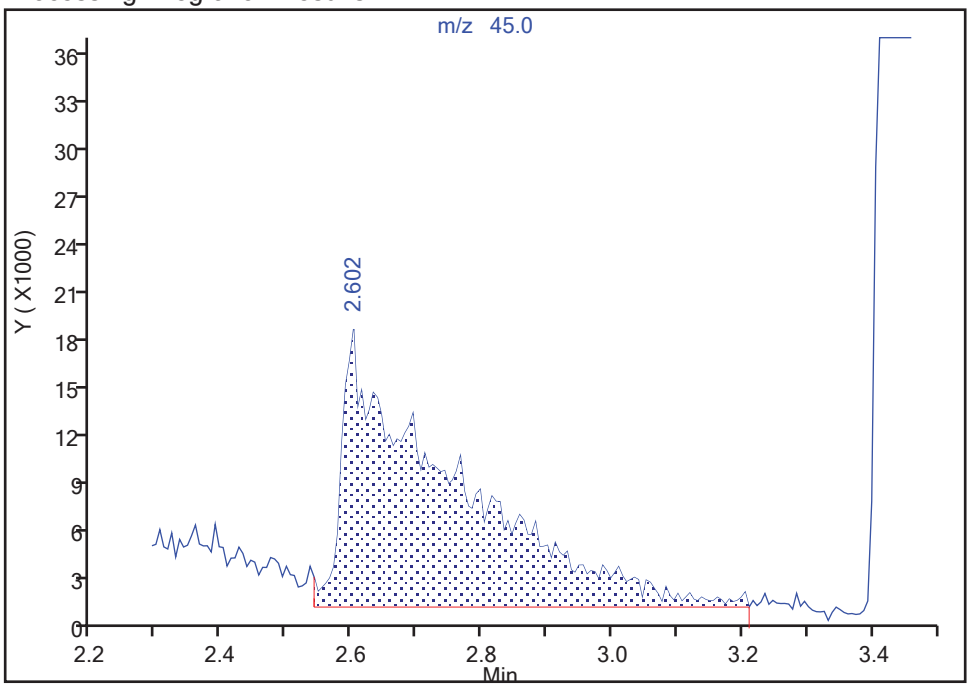
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3521.D
Injection Date: 15-Sep-2021 02:07:30 Instrument ID: HP5973S
Lims ID: ICV ADD
Client ID:
Operator ID: wd ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

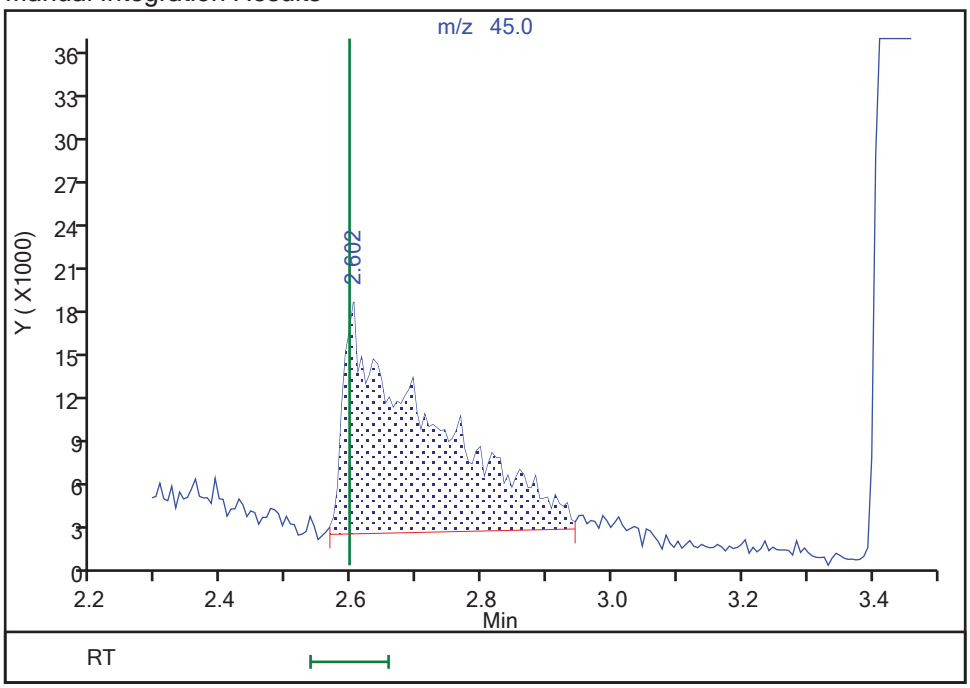
Processing Integration Results

RT: 2.60
Area: 199415
Amount: 297.4786
Amount Units: ug/L



Manual Integration Results

RT: 2.60
Area: 144376
Amount: 215.3738
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:49:19
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab Sample ID: CCVIS 480-596422/3 Calibration Date: 09/15/2021 11:43

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S3528.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.779	1.835	0.1000	25.8	25.0	3.1	50.0
Chloromethane	Ave	2.351	2.253	0.1000	24.0	25.0	-4.2	20.0
Vinyl chloride	Ave	2.134	2.218	0.1000	26.0	25.0	3.9	20.0
Butadiene	Ave	2.523	2.454		24.3	25.0	-2.7	20.0
Bromomethane	Ave	1.433	1.298	0.1000	22.6	25.0	-9.4	50.0
Chloroethane	Ave	1.485	1.398	0.1000	23.5	25.0	-5.8	50.0
Dichlorofluoromethane	Ave	3.077	2.867		23.3	25.0	-6.8	20.0
Trichlorofluoromethane	Ave	2.620	2.573	0.1000	24.6	25.0	-1.8	20.0
Ethyl ether	Ave	1.796	1.704		23.7	25.0	-5.1	20.0
Acrolein	Ave	0.1299	0.1222		118	125	-5.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.419	1.571	0.1000	27.7	25.0	10.7	20.0
1,1-Dichloroethene	Ave	1.521	1.510	0.1000	24.8	25.0	-0.7	20.0
Acetone	Ave	0.7694	0.8165	0.1000	133	125	6.1	50.0
Iodomethane	Ave	2.719	2.609		24.0	25.0	-4.0	20.0
Carbon disulfide	Ave	4.887	5.197	0.1000	26.6	25.0	6.4	20.0
Allyl chloride	Ave	2.998	3.070		25.6	25.0	2.4	20.0
Methyl acetate	Ave	2.026	1.902	0.1000	46.9	50.0	-6.1	50.0
Methylene Chloride	Lin1		1.777	0.1000	25.0	25.0	0.1	20.0
2-Methyl-2-propanol	Ave	0.2395	0.3010		314	250	25.6	50.0
Methyl tert-butyl ether	Ave	5.484	5.109	0.1000	23.3	25.0	-6.8	20.0
trans-1,2-Dichloroethene	Ave	1.714	1.722	0.1000	25.1	25.0	0.5	20.0
Acrylonitrile	Ave	1.049	1.031		246	250	-1.8	20.0
Hexane	Ave	2.599	3.035		29.2	25.0	16.8	20.0
1,1-Dichloroethane	Ave	3.142	3.176	0.2000	25.3	25.0	1.1	20.0
Vinyl acetate	Ave	4.152	4.481		54.0	50.0	7.9	20.0
2,2-Dichloropropane	Ave	1.596	1.460		22.9	25.0	-8.5	20.0
cis-1,2-Dichloroethene	Ave	1.852	1.828	0.1000	24.7	25.0	-1.3	20.0
2-Butanone (MEK)	Ave	1.175	1.256	0.1000	134	125	6.9	20.0
Chlorobromomethane	Ave	0.9936	0.9652		24.3	25.0	-2.9	20.0
Tetrahydrofuran	Ave	0.8718	0.8467		48.6	50.0	-2.9	20.0
Chloroform	Ave	3.114	2.896	0.2000	23.3	25.0	-7.0	20.0
1,1,1-Trichloroethane	Ave	2.460	2.588	0.1000	26.3	25.0	5.2	20.0
Cyclohexane	Ave	3.206	3.582	0.1000	27.9	25.0	11.7	20.0
Carbon tetrachloride	Ave	2.159	2.358	0.1000	27.3	25.0	9.2	20.0
1,1-Dichloropropene	Ave	2.159	2.384		27.6	25.0	10.4	20.0
Benzene	Ave	6.681	6.875	0.5000	25.7	25.0	2.9	20.0
Isobutyl alcohol	Ave	0.0820	0.0888		677	625	8.4	50.0
1,2-Dichloroethane	Ave	2.535	2.531	0.1000	25.0	25.0	-0.2	20.0
n-Heptane	Ave	2.950	3.405		28.9	25.0	15.4	20.0
Trichloroethene	Ave	1.599	1.749	0.2000	27.3	25.0	9.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab Sample ID: CCVIS 480-596422/3 Calibration Date: 09/15/2021 11:43

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S3528.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.919	3.292	0.1000	28.2	25.0	12.8	20.0
1,2-Dichloropropane	Ave	1.698	1.724	0.1000	25.4	25.0	1.5	20.0
Dibromomethane	Ave	1.057	1.065	0.1000	25.2	25.0	0.8	20.0
1,4-Dioxane	Lin1		0.0126		571	500	14.1	50.0
Bromodichloromethane	Ave	1.951	2.071	0.2000	26.5	25.0	6.2	20.0
2-Chloroethyl vinyl ether	Ave	1.175	1.284		27.3	25.0	9.3	20.0
cis-1,3-Dichloropropene	Ave	2.518	2.753	0.2000	27.3	25.0	9.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.264	1.230	0.1000	122	125	-2.7	20.0
Toluene	Ave	2.023	2.123	0.4000	26.2	25.0	4.9	20.0
trans-1,3-Dichloropropene	Ave	1.166	1.239	0.1000	26.6	25.0	6.3	20.0
Ethyl methacrylate	Ave	1.006	1.133		28.1	25.0	12.5	20.0
1,1,2-Trichloroethane	Ave	0.6255	0.6216	0.1000	24.8	25.0	-0.6	20.0
Tetrachloroethene	Ave	0.8789	0.9547	0.2000	27.2	25.0	8.6	20.0
1,3-Dichloropropane	Ave	1.287	1.294		25.1	25.0	0.6	20.0
2-Hexanone	Ave	0.8479	0.8730	0.1000	129	125	3.0	20.0
Dibromochloromethane	Ave	0.7357	0.7733	0.1000	26.3	25.0	5.1	20.0
1,2-Dibromoethane	Ave	0.7815	0.8086		25.9	25.0	3.5	20.0
Chlorobenzene	Ave	2.308	2.398	0.5000	26.0	25.0	3.9	20.0
Ethylbenzene	Ave	3.803	4.012	0.1000	26.4	25.0	5.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.8349	0.8505		25.5	25.0	1.9	20.0
m,p-Xylene	Ave	1.542	1.630	0.1000	26.4	25.0	5.7	20.0
o-Xylene	Ave	1.525	1.586	0.3000	26.0	25.0	4.0	20.0
Styrene	Ave	2.506	2.672	0.3000	26.7	25.0	6.6	20.0
Bromoform	Ave	0.5117	0.5566	0.1000	27.2	25.0	8.8	50.0
Isopropylbenzene	Ave	3.798	4.144	0.1000	27.3	25.0	9.1	20.0
Bromobenzene	Ave	0.9692	1.049		27.0	25.0	8.2	20.0
1,1,2,2-Tetrachloroethane	Ave	1.041	1.061	0.3000	25.5	25.0	2.0	20.0
N-Propylbenzene	Ave	4.251	4.668		27.5	25.0	9.8	20.0
1,2,3-Trichloropropane	Ave	0.3606	0.3784		26.2	25.0	4.9	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.3834		27.0	25.0	8.2	50.0
2-Chlorotoluene	Ave	0.9259	0.9495		25.6	25.0	2.5	20.0
1,3,5-Trimethylbenzene	Ave	3.230	3.482		27.0	25.0	7.8	20.0
4-Chlorotoluene	Ave	0.9159	1.007		27.5	25.0	9.9	20.0
tert-Butylbenzene	Ave	0.7165	0.7876		27.5	25.0	9.9	20.0
1,2,4-Trimethylbenzene	Ave	3.352	3.530		26.3	25.0	5.3	20.0
sec-Butylbenzene	Ave	3.996	4.431		27.7	25.0	10.9	20.0
1,3-Dichlorobenzene	Ave	1.911	1.991	0.6000	26.1	25.0	4.2	20.0
4-Isopropyltoluene	Ave	3.568	3.925		27.5	25.0	10.0	20.0
1,4-Dichlorobenzene	Ave	1.955	2.014	0.5000	25.7	25.0	3.0	20.0
n-Butylbenzene	Ave	2.965	3.293		27.8	25.0	11.0	20.0
1,2-Dichlorobenzene	Ave	1.950	1.914	0.4000	24.5	25.0	-1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab Sample ID: CCVIS 480-596422/3 Calibration Date: 09/15/2021 11:43

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S3528.D Conc. Units: ug/L 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	0.2122	0.2255	0.0500	26.6	25.0	6.3	50.0
1,2,4-Trichlorobenzene	Ave	1.475	1.467	0.2000	24.9	25.0	-0.5	20.0
Hexachlorobutadiene	Ave	0.6264	0.6852		27.3	25.0	9.4	20.0
Naphthalene	Ave	4.427	4.433		25.0	25.0	0.1	20.0
1,2,3-Trichlorobenzene	Ave	1.459	1.442		24.7	25.0	-1.2	20.0
Dibromofluoromethane (Surr)	Ave	1.346	1.322		24.5	25.0	-1.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8718	0.8504		24.4	25.0	-2.5	20.0
Toluene-d8 (Surr)	Ave	2.530	2.523		24.9	25.0	-0.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8445	0.8675		25.7	25.0	2.7	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3528.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Sep-2021 11:43:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0101001-003
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 12:37:39 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 12:37:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	97	175632	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	85	370045	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	49	382135	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.433	0.000	58	232156	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	48	149358	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	63	933499	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	92	321013	25.0	25.7	
10 Dichlorodifluoromethane	85	1.087	1.087	0.000	87	322292	25.0	25.8	
12 Chloromethane	50	1.246	1.246	0.000	88	395680	25.0	24.0	
13 Vinyl chloride	62	1.319	1.319	0.000	74	389512	25.0	26.0	
151 Butadiene	54	1.331	1.331	0.000	62	430979	25.0	24.3	
14 Bromomethane	94	1.586	1.586	0.000	89	228037	25.0	22.6	
15 Chloroethane	64	1.647	1.647	0.000	95	245599	25.0	23.5	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	81	503604	25.0	23.3	
17 Trichlorofluoromethane	101	1.854	1.854	0.000	68	451939	25.0	24.6	
18 Ethyl ether	59	2.097	2.097	0.000	94	299345	25.0	23.7	
20 Acrolein	56	2.274	2.274	0.000	97	107330	125.0	117.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.298	0.000	80	275962	25.0	27.7	
22 1,1-Dichloroethene	96	2.316	2.316	0.000	89	265131	25.0	24.8	
23 Acetone	43	2.420	2.420	0.000	100	716988	125.0	132.6	
25 Iodomethane	142	2.468	2.468	0.000	98	458262	25.0	24.0	
26 Carbon disulfide	76	2.499	2.499	0.000	99	912757	25.0	26.6	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	88	539122	25.0	25.6	
27 Methyl acetate	43	2.706	2.706	0.000	95	668202	50.0	46.9	
30 Methylene Chloride	84	2.815	2.815	0.000	92	312110	25.0	25.0	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	68	528574	250.0	314.1	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	94	897369	25.0	23.3	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	92	302373	25.0	25.1	
33 Acrylonitrile	53	3.077	3.077	0.000	98	1810237	250.0	245.6	
35 Hexane	57	3.198	3.198	0.000	89	532970	25.0	29.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.417	3.417	0.000	85	557859	25.0	25.3	
37 Vinyl acetate	43	3.478	3.478	0.000	98	1573989	50.0	54.0	
44 2,2-Dichloropropane	77	3.928	3.928	0.000	91	256456	25.0	22.9	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	67	321090	25.0	24.7	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	98	1102805	125.0	133.6	
48 Chlorobromomethane	128	4.196	4.196	0.000	94	169522	25.0	24.3	
49 Tetrahydrofuran	42	4.214	4.214	0.000	88	297421	50.0	48.6	
50 Chloroform	83	4.275	4.275	0.000	81	508708	25.0	23.3	
52 Cyclohexane	56	4.379	4.379	0.000	92	629102	25.0	27.9	
51 1,1,1-Trichloroethane	97	4.379	4.379	0.000	77	454493	25.0	26.3	
55 Carbon tetrachloride	117	4.513	4.513	0.000	84	414124	25.0	27.3	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	93	418657	25.0	27.6	
57 Benzene	78	4.725	4.725	0.000	97	1207465	25.0	25.7	
53 Isobutyl alcohol	43	4.780	4.780	0.000	61	389990	625.0	677.3	
58 1,2-Dichloroethane	62	4.805	4.805	0.000	76	444541	25.0	25.0	
59 n-Heptane	43	4.914	4.914	0.000	94	598043	25.0	28.9	
62 Trichloroethene	95	5.334	5.334	0.000	91	307114	25.0	27.3	
64 Methylcyclohexane	83	5.443	5.443	0.000	93	578139	25.0	28.2	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	93	302759	25.0	25.4	
67 Dibromomethane	93	5.711	5.711	0.000	88	187072	25.0	25.2	
66 1,4-Dioxane	88	5.729	5.729	0.000	54	92931	500.0	570.5	M
68 Dichlorobromomethane	83	5.869	5.869	0.000	92	363769	25.0	26.5	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	92	225589	25.0	27.3	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	89	483507	25.0	27.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	98	2275326	125.0	121.6	
74 Toluene	92	6.563	6.563	0.000	88	785603	25.0	26.2	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	91	458624	25.0	26.6	
75 Ethyl methacrylate	69	6.909	6.909	0.000	72	419090	25.0	28.1	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	87	230020	25.0	24.8	
81 Tetrachloroethene	166	7.080	7.080	0.000	85	353290	25.0	27.2	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	95	478899	25.0	25.1	
80 2-Hexanone	43	7.274	7.274	0.000	96	1615230	125.0	128.7	
83 Chlorodibromomethane	129	7.427	7.427	0.000	86	286139	25.0	26.3	
84 Ethylene Dibromide	107	7.524	7.524	0.000	97	299236	25.0	25.9	
87 Chlorobenzene	112	7.992	7.992	0.000	94	887202	25.0	26.0	
88 Ethylbenzene	91	8.090	8.090	0.000	98	1484554	25.0	26.4	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	45	314711	25.0	25.5	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	99	603312	25.0	26.4	
91 o-Xylene	106	8.637	8.637	0.000	97	586712	25.0	26.0	
92 Styrene	104	8.668	8.668	0.000	91	988900	25.0	26.7	
95 Bromoform	173	8.911	8.911	0.000	97	205956	25.0	27.2	
94 Isopropylbenzene	105	9.020	9.020	0.000	95	1583660	25.0	27.3	
101 Bromobenzene	156	9.367	9.367	0.000	92	400706	25.0	27.0	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	59	405609	25.0	25.5	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	1783754	25.0	27.5	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	64	144597	25.0	26.2	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.501	0.000	74	146523	25.0	27.0	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	362830	25.0	25.6	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	1330640	25.0	27.0	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	384696	25.0	27.5	
106 tert-Butylbenzene	134	9.976	9.976	0.000	90	300952	25.0	27.5	
107 1,2,4-Trimethylbenzene	105	10.036	10.036	0.000	56	1348871	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	94	1693417	25.0	27.7	
111 1,3-Dichlorobenzene	146	10.328	10.328	0.000	97	760834	25.0	26.1	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	96	1499786	25.0	27.5	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	96	769484	25.0	25.7	
115 n-Butylbenzene	91	10.736	10.736	0.000	95	1258330	25.0	27.8	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	97	731314	25.0	24.5	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	83	86189	25.0	26.6	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	94	560739	25.0	24.9	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	94	261823	25.0	27.3	
121 Naphthalene	128	12.409	12.409	0.000	96	1693837	25.0	25.0	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	551019	25.0	24.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00214	Amount Added:	12.50	Units: uL	
GAS CORP mix_00472	Amount Added:	12.50	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 12:37:40 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3528.D

Injection Date: 15-Sep-2021 11:43:30 Instrument ID: HP5973S Operator ID: LH

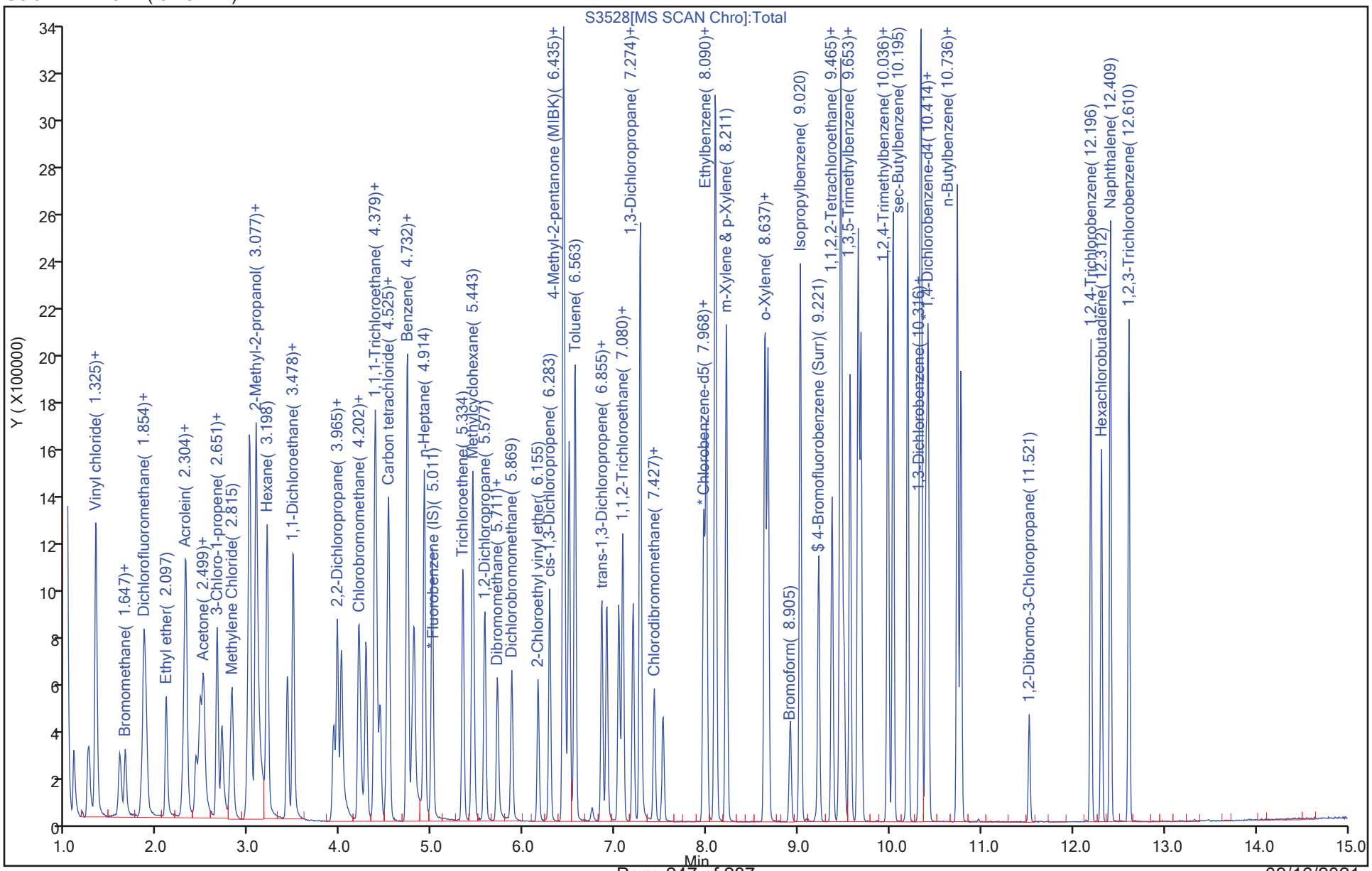
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

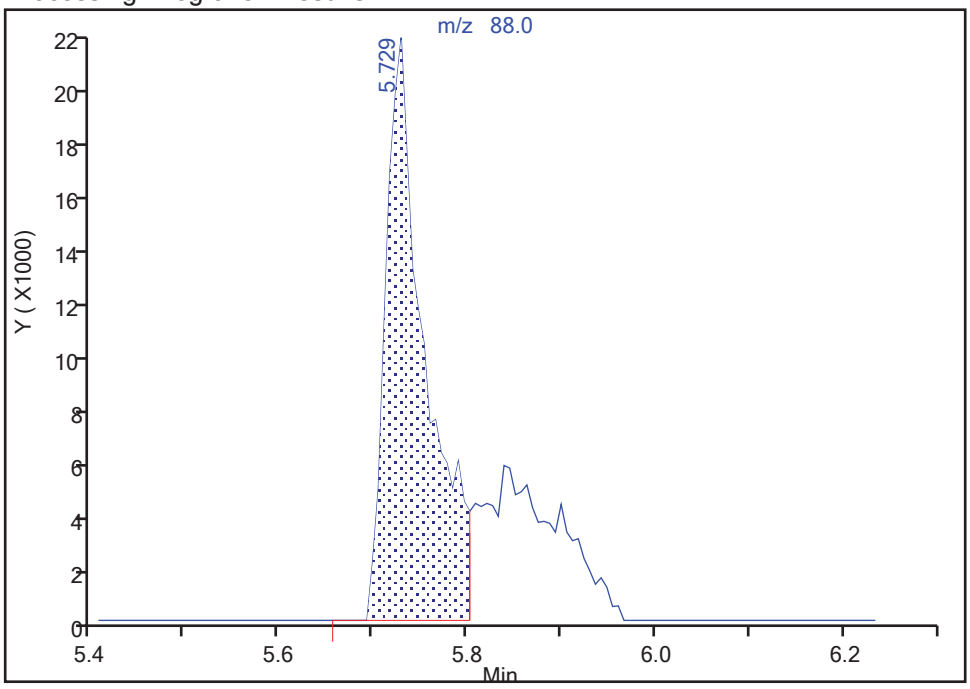
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3528.D
Injection Date: 15-Sep-2021 11:43:30 Instrument ID: HP5973S
Lims ID: CCVIS
Client ID:
Operator ID: LH ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

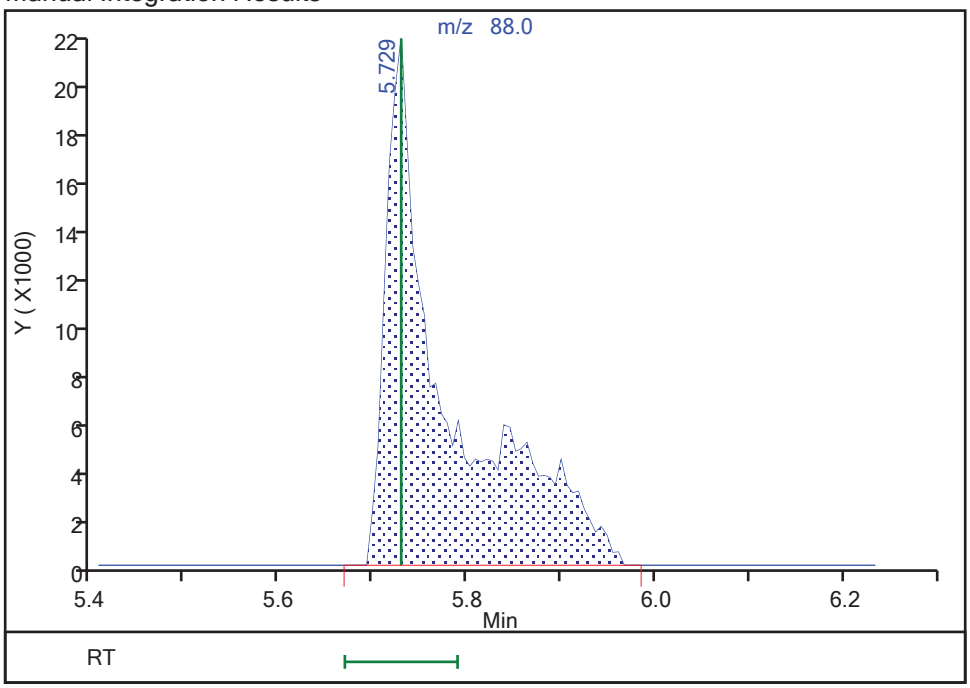
Processing Integration Results

RT: 5.73
Area: 61650
Amount: 380.9518
Amount Units: ug/L



Manual Integration Results

RT: 5.73
Area: 92931
Amount: 570.5356
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 12:01:14
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab Sample ID: CCV 480-596422/4 Calibration Date: 09/15/2021 12:16

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S3529.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	1.346	1.374		25.5	25.0	2.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8718	0.9143		26.2	25.0	4.9	20.0
Toluene-d8 (Surr)	Ave	2.530	2.496		24.7	25.0	-1.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8445	0.8431		25.0	25.0	-0.2	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3529.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 15-Sep-2021 12:16:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Misc. Info.: 480-0101001-004
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub61

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 12:48:43 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 12:48:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	170793	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	87	356555	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	72	362768	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.433	0.001	66	234658	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	50	156152	25.0	26.2	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	92	889857	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	91	300625	25.0	25.0	
11 Chlorodifluoromethane	51	1.112	1.106	0.006	79	448883	25.0	29.6	
148 Ethanol	45	2.110	2.110	-0.060	0	180051	1000.0	1239.7	M
19 Propene oxide	58	2.183	2.176	0.007	96	497893	NC	NC	
24 Isopropyl alcohol	45	2.608	2.608	0.012	97	199453	250.0	283.0	M
29 Acetonitrile	40	2.730	2.724	0.006	95	313442	250.0	299.0	
36 Isopropyl ether	45	3.436	3.436	0.000	95	1100223	25.0	25.6	
40 2-Chloro-1,3-butadiene	53	3.472	3.472	0.000	93	553300	25.0	29.1	
38 1,1-Dimethoxyethane	75	3.515	3.509	0.006	63	251101	125.0	135.9	
41 Tert-butyl ethyl ether	59	3.770	3.770	0.000	98	946489	25.0	25.5	
42 Ethyl acetate	43	4.044	4.038	0.006	99	782644	50.0	57.7	
46 Propionitrile	54	4.117	4.111	0.006	99	702370	250.0	325.6	
47 Methacrylonitrile	41	4.215	4.214	0.001	95	2744092	250.0	288.9	
152 Isooctane	57	4.726	4.719	0.007	96	1298504	25.0	32.2	
56 Tert-amyl methyl ether	73	4.817	4.811	0.006	91	1035197	25.0	27.1	
147 t-Amyl alcohol	59	4.835	4.829	0.006	42	424178	250.0	330.1	
1 1,4-Difluorobenzene	114	5.115	5.115	0.000	94	927973	25.0	28.1	
60 n-Butanol	56	5.395	5.401	-0.006	88	179229	625.0	830.8	
142 Ethyl acrylate	55	5.480	5.474	0.006	90	480625	25.0	30.1	
63 Methyl methacrylate	41	5.687	5.687	0.000	93	678969	50.0	56.8	
70 2-Nitropropane	43	6.125	6.125	0.000	99	189573	50.0	51.0	
71 Epichlorohydrin	57	6.246	6.246	0.000	99	506808	250.0	330.5	
76 2-Methylthiophene	97	6.697	6.696	0.001	97	1062696	25.0	27.7	
78 3-Methylthiophene	97	6.861	6.861	0.000	99	937245	25.0	23.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
155 n-Butyl acetate	43	7.384	7.384	0.000	99	576666	25.0	27.7	
146 1-Chlorohexane	55	7.956	7.956	0.000	93	325423	25.0	29.4	
85 3-Chlorobenzotrifluoride	180	7.980	7.980	0.000	91	507030	25.0	28.8	
86 4-Chlorobenzotrifluoride	180	8.047	8.041	0.006	96	474622	25.0	29.7	
93 2-Chlorobenzotrifluoride	180	8.954	8.953	0.001	97	501770	25.0	27.0	
96 Cyclohexanone	55	9.197	9.197	0.000	93	169232	250.0	271.8	
104 3-Chlorotoluene	126	9.635	9.635	0.000	97	361367	25.0	26.4	
108 Pentachloroethane	167	10.030	10.036	-0.006	85	200194	25.0	29.6	
114 Dicyclopentadiene	66	10.389	10.389	0.000	96	1513941	25.0	27.0	
112 1,2,3-Trimethylbenzene	105	10.450	10.450	0.000	51	1356852	25.0	26.2	
150 Benzyl chloride	126	10.578	10.572	0.006	98	175348	25.0	34.9	
118 1,3,5-Trichlorobenzene	180	11.649	11.648	0.001	97	560480	25.0	25.2	
149 2-Methylnaphthalene	142	13.322	13.321	0.001	88	1186562	25.0	26.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ADD CORP mix_00116	Amount Added:	12.50	Units: uL	
2 MTP 2019_00036	Amount Added:	12.50	Units: uL	
3 MTP 2019_00036	Amount Added:	12.50	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

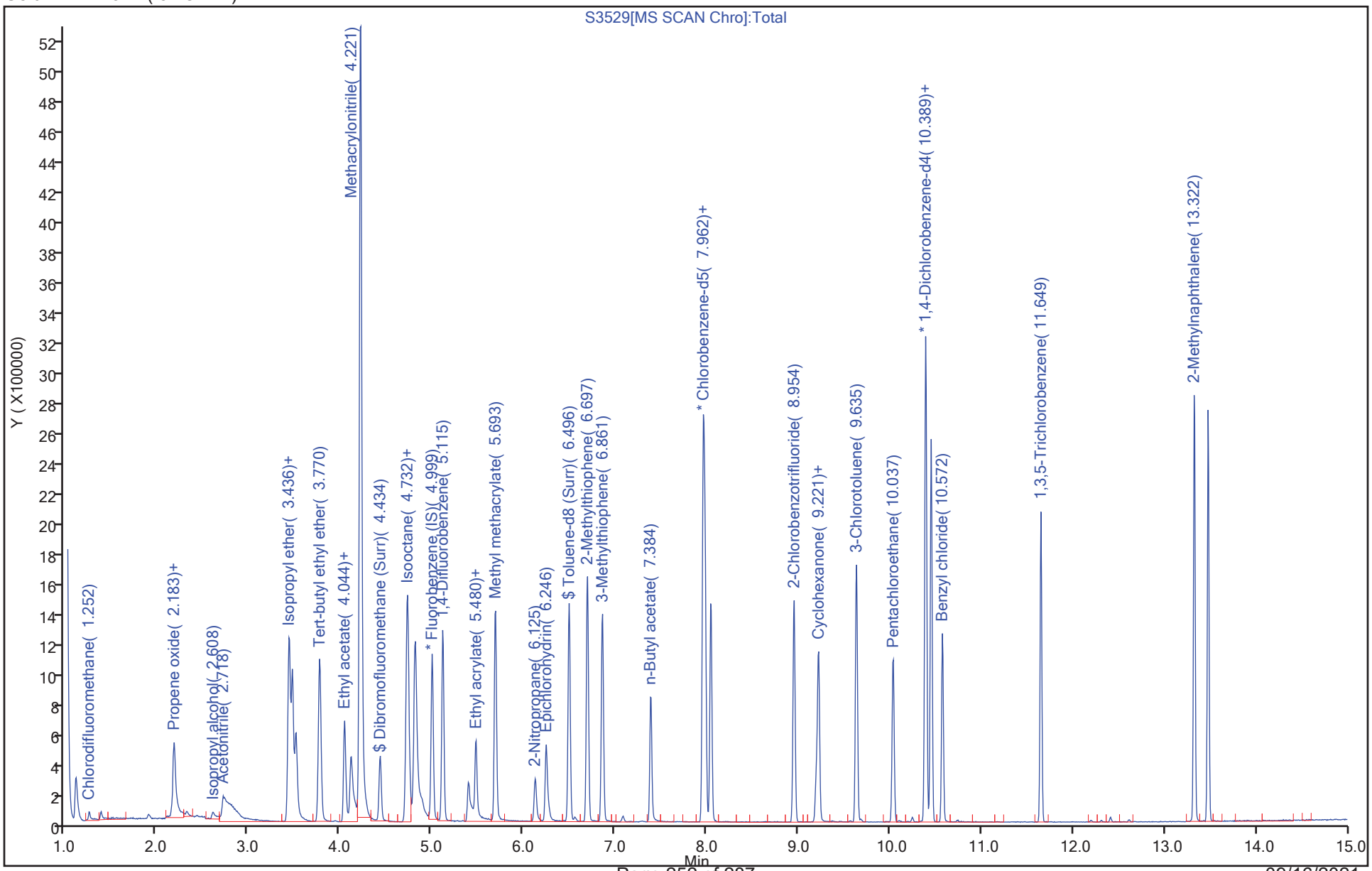
Report Date: 15-Sep-2021 12:48:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3529.D

Injection Date:	15-Sep-2021 12:16:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Lab Sample ID: CCV 480-596422/4 Calibration Date: 09/15/2021 12:16

Instrument ID: HP5973S Calib Start Date: 09/14/2021 22:16

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/15/2021 00:35

Lab File ID: S3529.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	2.221	2.628		29.6	25.0	18.3	20.0
Ethanol	Ave	0.0213	0.0264		1240	1000	24.0*	20.0
Isopropyl alcohol	Ave	0.1032	0.1168		283	250	13.2	20.0
Acetonitrile	Ave	0.1534	0.1835		299	250	19.6	20.0
Isopropyl ether	Ave	6.288	6.442		25.6	25.0	2.4	20.0
Chloroprene	Ave	2.787	3.240		29.1	25.0	16.2	20.0
1,1-Dimethoxyethane	Ave	0.2705	0.2940		136	125	8.7	20.0
Tert-butyl ethyl ether	Ave	5.423	5.542		25.5	25.0	2.2	20.0
Ethyl acetate	Ave	1.985	2.291		57.7	50.0	15.4	20.0
Propionitrile	Ave	0.3157	0.4112		326	250	30.2*	20.0
Methacrylonitrile	Ave	1.390	1.607		289	250	15.5	20.0
Isooctane	Ave	5.895	7.603		32.2	25.0	29.0*	20.0
Tert-amyl methyl ether	Ave	5.597	6.061		27.1	25.0	8.3	20.0
t-Amyl alcohol	Ave	0.1881	0.2484		330	250	32.0*	20.0
1,4-Difluorobenzene	Ave	4.833	5.433		28.1	25.0	12.4	20.0
n-Butanol	Ave	0.0316	0.0420		831	625	32.9*	20.0
Ethyl acrylate	Ave	2.335	2.814		30.1	25.0	20.5*	20.0
Methyl methacrylate	Ave	1.750	1.988		56.8	50.0	13.6	20.0
2-Nitropropane	Ave	0.2559	0.2613		51.0	50.0	2.1	20.0
Epichlorohydrin	Ave	0.2245	0.2967		330	250	32.2*	20.0
2-Methylthiophene	Ave	2.642	2.929		27.7	25.0	10.9	20.0
3-Methylthiophene	Ave	2.710	2.584		23.8	25.0	-4.6	20.0
n-Butyl acetate	Ave	3.043	3.376	0.1000	27.7	25.0	11.0	20.0
1-Chlorohexane	Lin1		0.9127		29.4	25.0	17.4	20.0
3-Chlorobenzotrifluoride	Ave	1.214	1.398		28.8	25.0	15.1	20.0
4-Chlorobenzotrifluoride	Ave	1.102	1.308		29.7	25.0	18.7	20.0
2-Chlorobenzotrifluoride	Ave	1.282	1.383		27.0	25.0	7.9	20.0
Cyclohexanone	Ave	0.0429	0.0467		272	250	8.7	20.0
3-Chlorotoluene	Ave	0.9417	0.996		26.4	25.0	5.8	20.0
Pentachloroethane	Ave	0.4658	0.5519		29.6	25.0	18.5	20.0
Dicyclopentadiene	Ave	3.868	4.173		27.0	25.0	7.9	20.0
1,2,3-Trimethylbenzene	Ave	3.571	3.740		26.2	25.0	4.7	20.0
Benzyl chloride	Ave	0.3519	0.4918		34.9	25.0	39.8*	20.0
1,3,5-Trichlorobenzene	Ave	1.532	1.545		25.2	25.0	0.8	20.0
2-Methylnaphthalene	Ave	3.150	3.271		26.0	25.0	3.8	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3529.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 15-Sep-2021 12:16:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Misc. Info.: 480-0101001-004
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub61

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 12:48:43 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 12:48:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	170793	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	87	356555	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	72	362768	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.433	0.001	66	234658	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	50	156152	25.0	26.2	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	92	889857	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	91	300625	25.0	25.0	
11 Chlorodifluoromethane	51	1.112	1.106	0.006	79	448883	25.0	29.6	
148 Ethanol	45	2.110	2.110	-0.060	0	180051	1000.0	1239.7	M
19 Propene oxide	58	2.183	2.176	0.007	96	497893	NC	NC	
24 Isopropyl alcohol	45	2.608	2.608	0.012	97	199453	250.0	283.0	M
29 Acetonitrile	40	2.730	2.724	0.006	95	313442	250.0	299.0	
36 Isopropyl ether	45	3.436	3.436	0.000	95	1100223	25.0	25.6	
40 2-Chloro-1,3-butadiene	53	3.472	3.472	0.000	93	553300	25.0	29.1	
38 1,1-Dimethoxyethane	75	3.515	3.509	0.006	63	251101	125.0	135.9	
41 Tert-butyl ethyl ether	59	3.770	3.770	0.000	98	946489	25.0	25.5	
42 Ethyl acetate	43	4.044	4.038	0.006	99	782644	50.0	57.7	
46 Propionitrile	54	4.117	4.111	0.006	99	702370	250.0	325.6	
47 Methacrylonitrile	41	4.215	4.214	0.001	95	2744092	250.0	288.9	
152 Isooctane	57	4.726	4.719	0.007	96	1298504	25.0	32.2	
56 Tert-amyl methyl ether	73	4.817	4.811	0.006	91	1035197	25.0	27.1	
147 t-Amyl alcohol	59	4.835	4.829	0.006	42	424178	250.0	330.1	
1 1,4-Difluorobenzene	114	5.115	5.115	0.000	94	927973	25.0	28.1	
60 n-Butanol	56	5.395	5.401	-0.006	88	179229	625.0	830.8	
142 Ethyl acrylate	55	5.480	5.474	0.006	90	480625	25.0	30.1	
63 Methyl methacrylate	41	5.687	5.687	0.000	93	678969	50.0	56.8	
70 2-Nitropropane	43	6.125	6.125	0.000	99	189573	50.0	51.0	
71 Epichlorohydrin	57	6.246	6.246	0.000	99	506808	250.0	330.5	
76 2-Methylthiophene	97	6.697	6.696	0.001	97	1062696	25.0	27.7	
78 3-Methylthiophene	97	6.861	6.861	0.000	99	937245	25.0	23.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
155 n-Butyl acetate	43	7.384	7.384	0.000	99	576666	25.0	27.7	
146 1-Chlorohexane	55	7.956	7.956	0.000	93	325423	25.0	29.4	
85 3-Chlorobenzotrifluoride	180	7.980	7.980	0.000	91	507030	25.0	28.8	
86 4-Chlorobenzotrifluoride	180	8.047	8.041	0.006	96	474622	25.0	29.7	
93 2-Chlorobenzotrifluoride	180	8.954	8.953	0.001	97	501770	25.0	27.0	
96 Cyclohexanone	55	9.197	9.197	0.000	93	169232	250.0	271.8	
104 3-Chlorotoluene	126	9.635	9.635	0.000	97	361367	25.0	26.4	
108 Pentachloroethane	167	10.030	10.036	-0.006	85	200194	25.0	29.6	
114 Dicyclopentadiene	66	10.389	10.389	0.000	96	1513941	25.0	27.0	
112 1,2,3-Trimethylbenzene	105	10.450	10.450	0.000	51	1356852	25.0	26.2	
150 Benzyl chloride	126	10.578	10.572	0.006	98	175348	25.0	34.9	
118 1,3,5-Trichlorobenzene	180	11.649	11.648	0.001	97	560480	25.0	25.2	
149 2-Methylnaphthalene	142	13.322	13.321	0.001	88	1186562	25.0	26.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ADD CORP mix_00116	Amount Added:	12.50	Units: uL	
2 MTP 2019_00036	Amount Added:	12.50	Units: uL	
3 MTP 2019_00036	Amount Added:	12.50	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

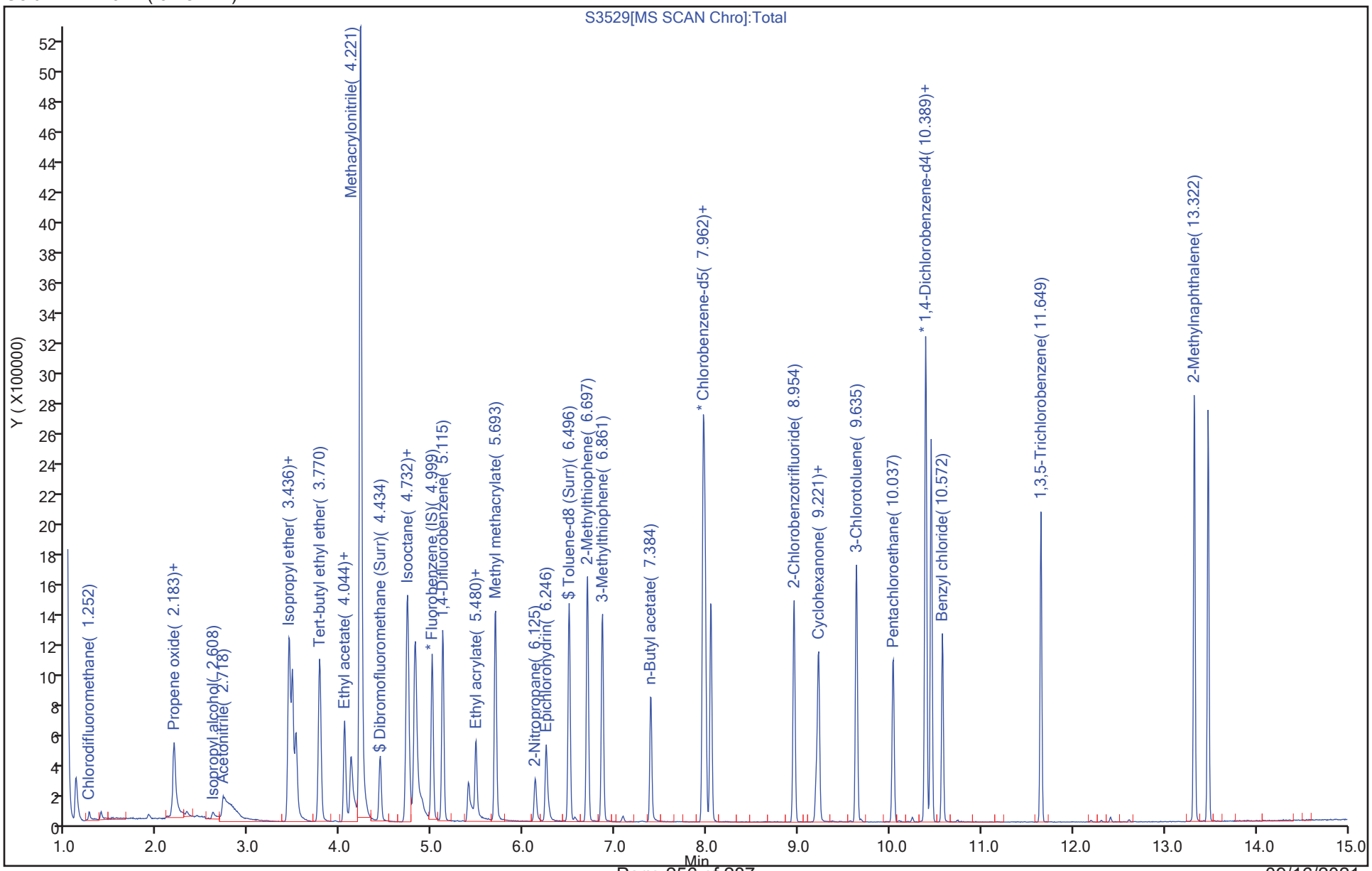
Report Date: 15-Sep-2021 12:48:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3529.D

Injection Date:	15-Sep-2021 12:16:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

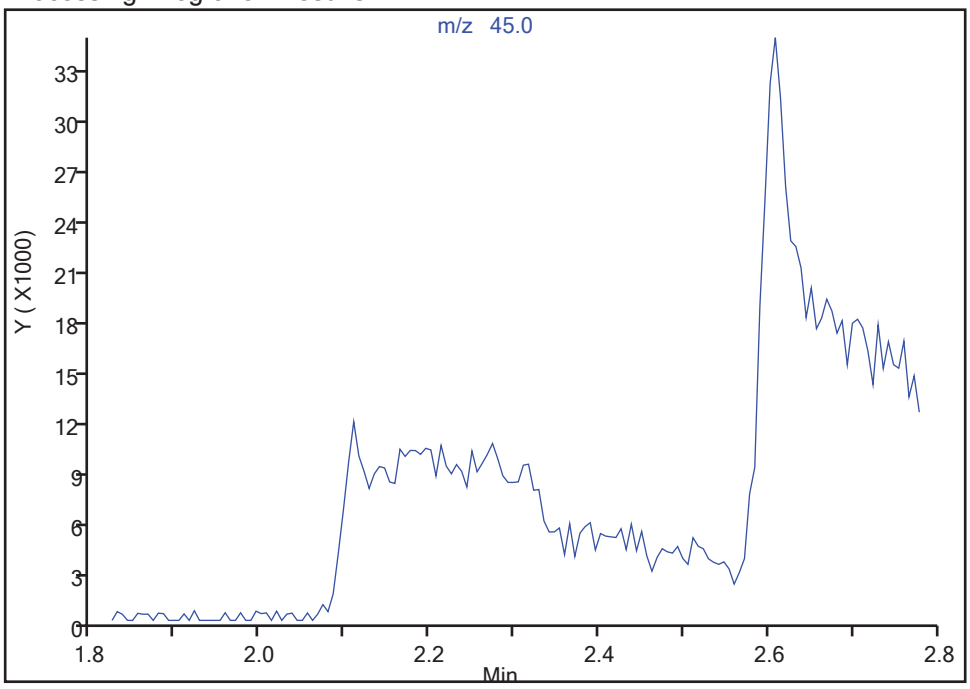
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3529.D
Injection Date: 15-Sep-2021 12:16:30 Instrument ID: HP5973S
Lims ID: CCV
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

148 Ethanol, CAS: 64-17-5

Signal: 1

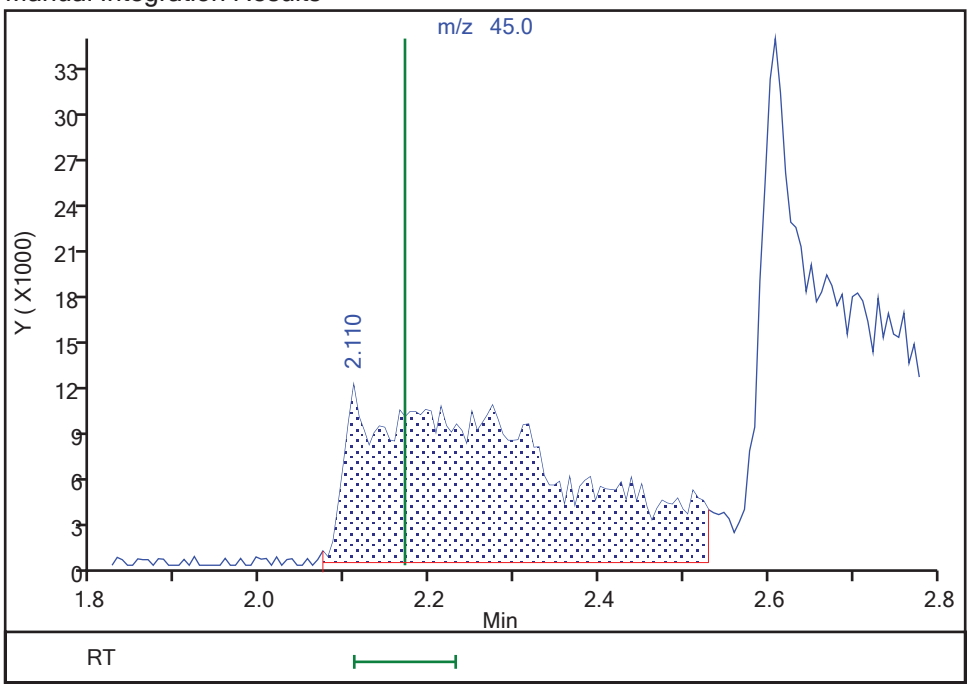
Not Detected
Expected RT: 2.17

Processing Integration Results



Manual Integration Results

RT: 2.11
Area: 180051
Amount: 1239.6844
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 12:38:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

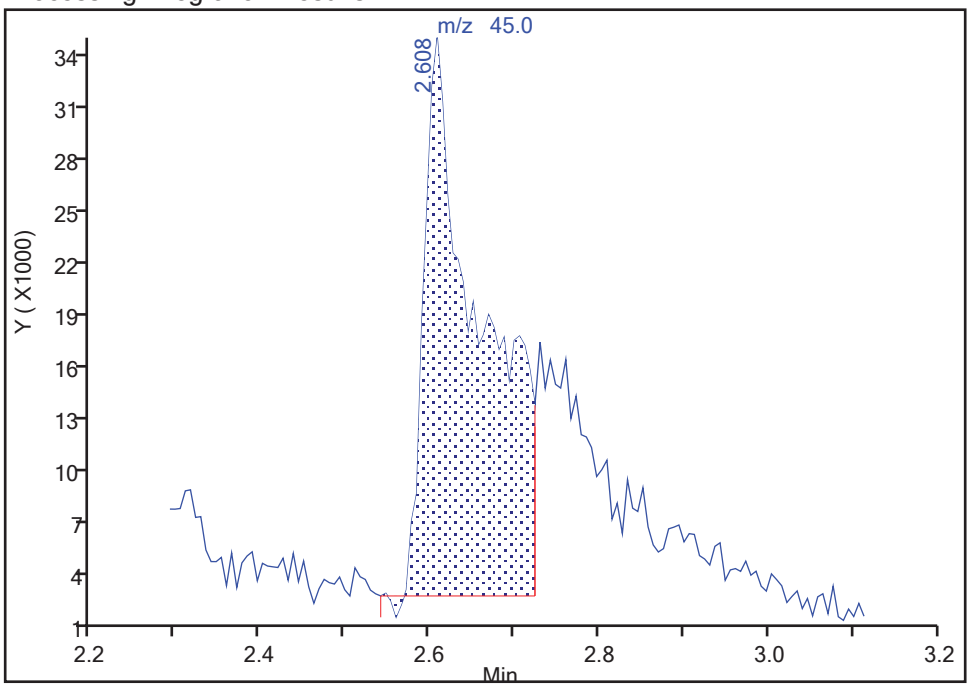
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3529.D
Injection Date: 15-Sep-2021 12:16:30 Instrument ID: HP5973S
Lims ID: CCV
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

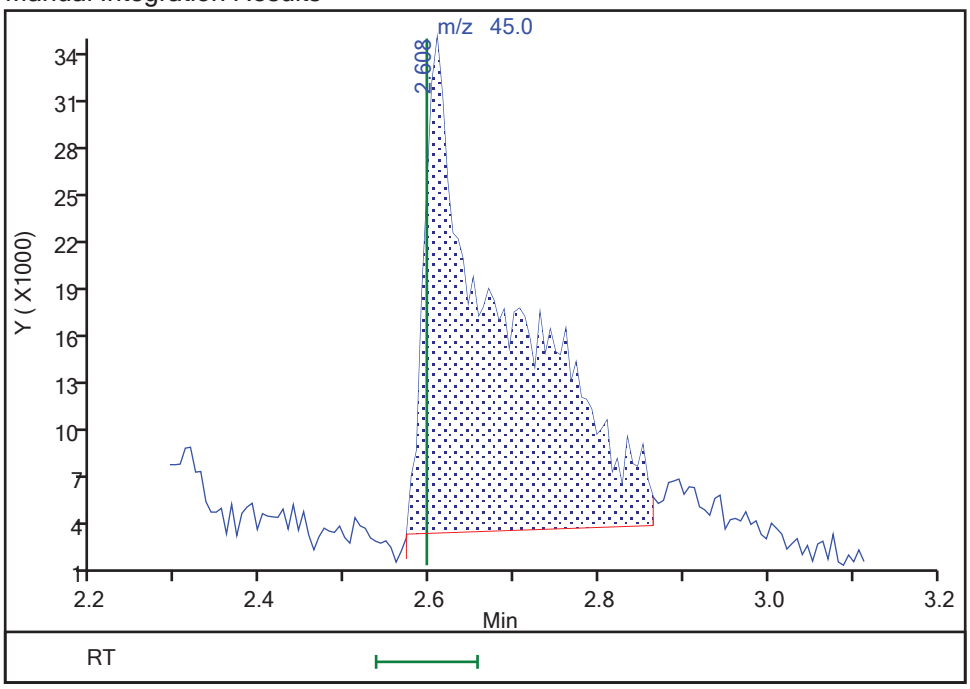
Processing Integration Results

RT: 2.61
Area: 146413
Amount: 207.7140
Amount Units: ug/L



Manual Integration Results

RT: 2.61
Area: 199453
Amount: 282.9610
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 12:38:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3497.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Sep-2021 16:49:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0100971-002
Operator ID: wd Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:52:17 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: dahnw Date: 14-Sep-2021 16:58:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.376	3.376	0.000	0	326841	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

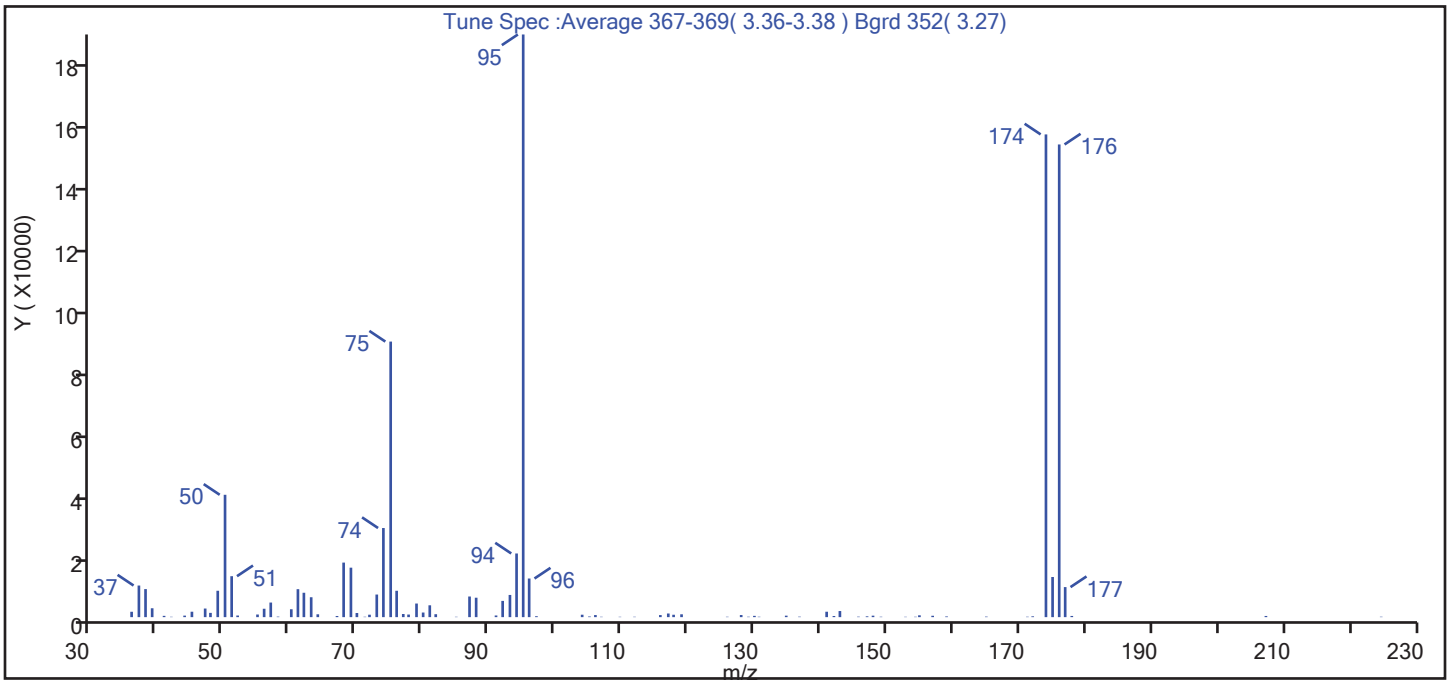
BFB_WRK_00126 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3497.D
Injection Date: 14-Sep-2021 16:49:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: wd ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.0
75	30 to 60% of m/z 95	47.3
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	82.8
175	5 to 9% of m/z 174	6.9 (8.3)
176	Greater than 95% but less than 101% of m/z 174	81.1 (97.9)
177	5 to 9% of m/z 176	5.2 (6.4)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3497.D\S-8260.rslt\spectra.d
Injection Date: 14-Sep-2021 16:49:30
Spectrum: Tune Spec :Average 367-369(3.36-3.38) Bgrd 352(3.27)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1748	64.00	923	93.00	7207	141.00	1760
37.00	10264	67.00	373	94.00	20672	142.00	369
38.00	9107	68.00	17712	95.00	189184	143.00	1981
39.00	2887	69.00	16063	96.00	12542	146.00	160
41.00	420	70.00	1345	97.00	307	147.00	266
42.00	118	71.00	128	104.00	791	148.00	479
44.00	497	72.00	794	105.00	211	149.00	137
45.00	1763	73.00	7339	106.00	677	153.00	117
47.00	2794	74.00	28936	107.00	123	154.00	127
48.00	1387	75.00	89472	110.00	118	155.00	598
49.00	8564	76.00	8564	112.00	125	157.00	448
50.00	39728	77.00	1019	116.00	674	159.00	229
51.00	13296	78.00	845	117.00	1183	165.00	176
52.00	527	79.00	4420	118.00	779	171.00	139
55.00	856	80.00	1499	119.00	927	172.00	265
56.00	2724	81.00	3847	126.00	130	174.00	156736
57.00	4738	82.00	953	128.00	684	175.00	13035
58.00	173	85.00	118	129.00	137	176.00	153472
60.00	2564	87.00	6702	130.00	418	177.00	9757
61.00	9082	88.00	6310	131.00	137	178.00	390
62.00	7919	91.00	541	135.00	482	207.00	382
63.00	6463	92.00	5275	137.00	161	225.00	138

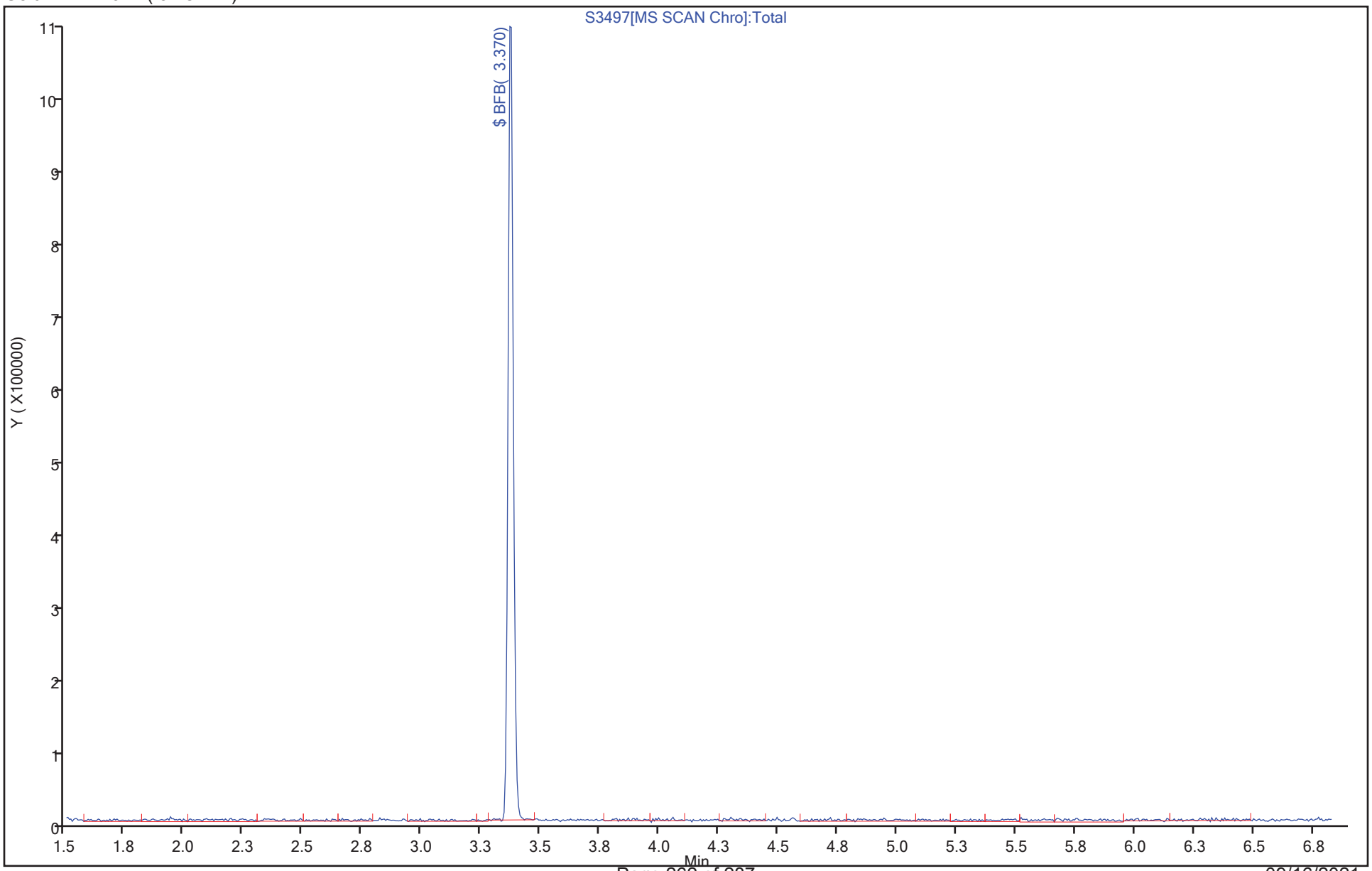
Report Date: 15-Sep-2021 10:52:17 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3497.D

Injection Date:	14-Sep-2021 16:49:30	Instrument ID:	HP5973S	Operator ID:	wd
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3527.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 15-Sep-2021 11:18:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0101001-002
Operator ID: LH Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 11:28:44 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 11:28:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.382	3.382	0.000	0	277397	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

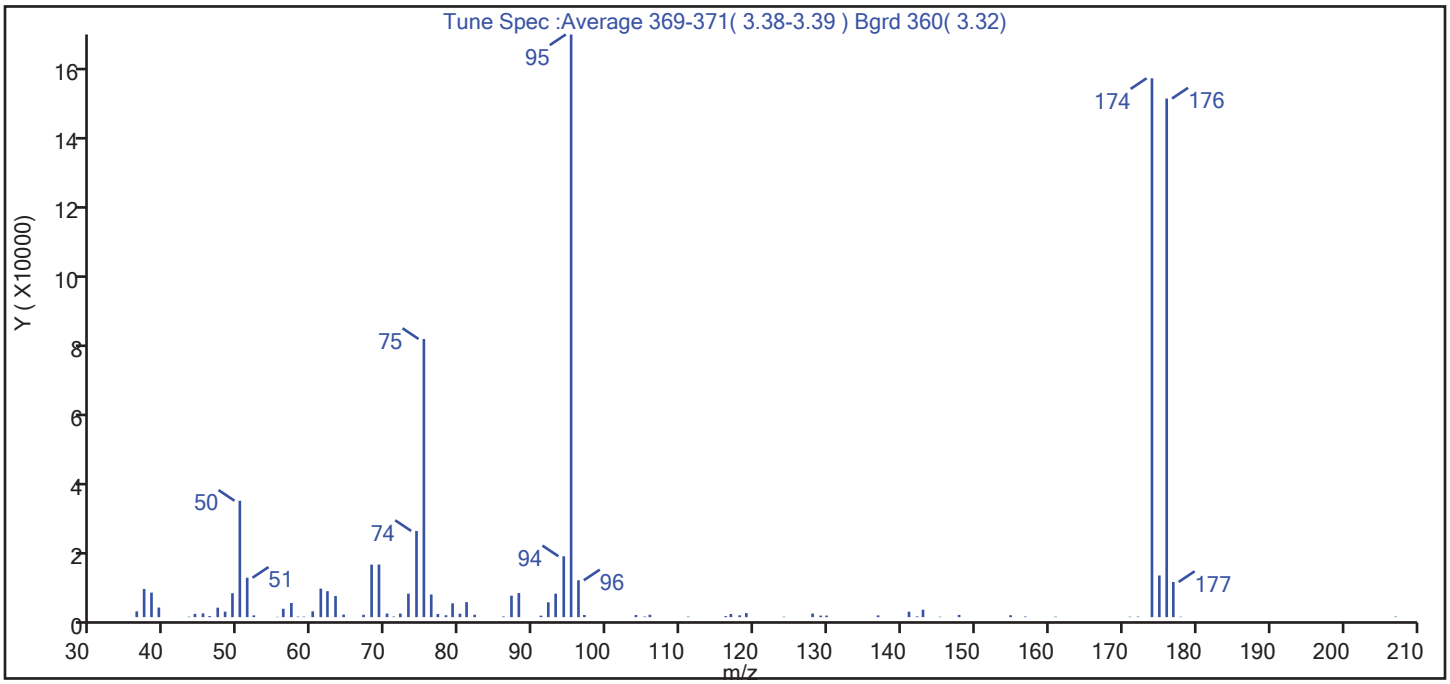
BFB_WRK_00126 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3527.D
Injection Date: 15-Sep-2021 11:18:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 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	47.7
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	92.5
175	5 to 9% of m/z 174	7.1 (7.7)
176	Greater than 95% but less than 101% of m/z 174	89.0 (96.2)
177	5 to 9% of m/z 176	6.0 (6.8)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3527.D\S-8260.rslt\spectra.d
Injection Date: 15-Sep-2021 11:18:30
Spectrum: Tune Spec :Average 369-371(3.38-3.39) Bgrd 360(3.32)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 79

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1588	61.00	7838	86.00	188	129.00	430
37.00	7740	62.00	7139	87.00	5895	130.00	429
38.00	6747	63.00	5797	88.00	6619	137.00	486
39.00	2636	64.00	701	91.00	413	141.00	1503
43.00	121	67.00	658	92.00	4075	142.00	211
44.00	900	68.00	14435	93.00	6451	143.00	2047
45.00	1039	69.00	14467	94.00	16736	145.00	118
46.00	297	70.00	994	95.00	160128	148.00	618
47.00	2601	71.00	161	96.00	10131	155.00	524
48.00	1519	72.00	990	97.00	594	157.00	170
49.00	6584	73.00	6455	104.00	578	161.00	138
50.00	31992	74.00	23688	105.00	168	171.00	122
51.00	10835	75.00	76448	106.00	656	172.00	140
52.00	488	76.00	6228	111.00	148	174.00	148096
55.00	91	77.00	872	116.00	290	175.00	11443
56.00	2304	78.00	527	117.00	875	176.00	142528
57.00	3899	79.00	3797	118.00	504	177.00	9672
58.00	149	80.00	940	119.00	1109	178.00	120
59.00	137	81.00	4136	124.00	123	207.00	139
60.00	1590	82.00	666	128.00	990		

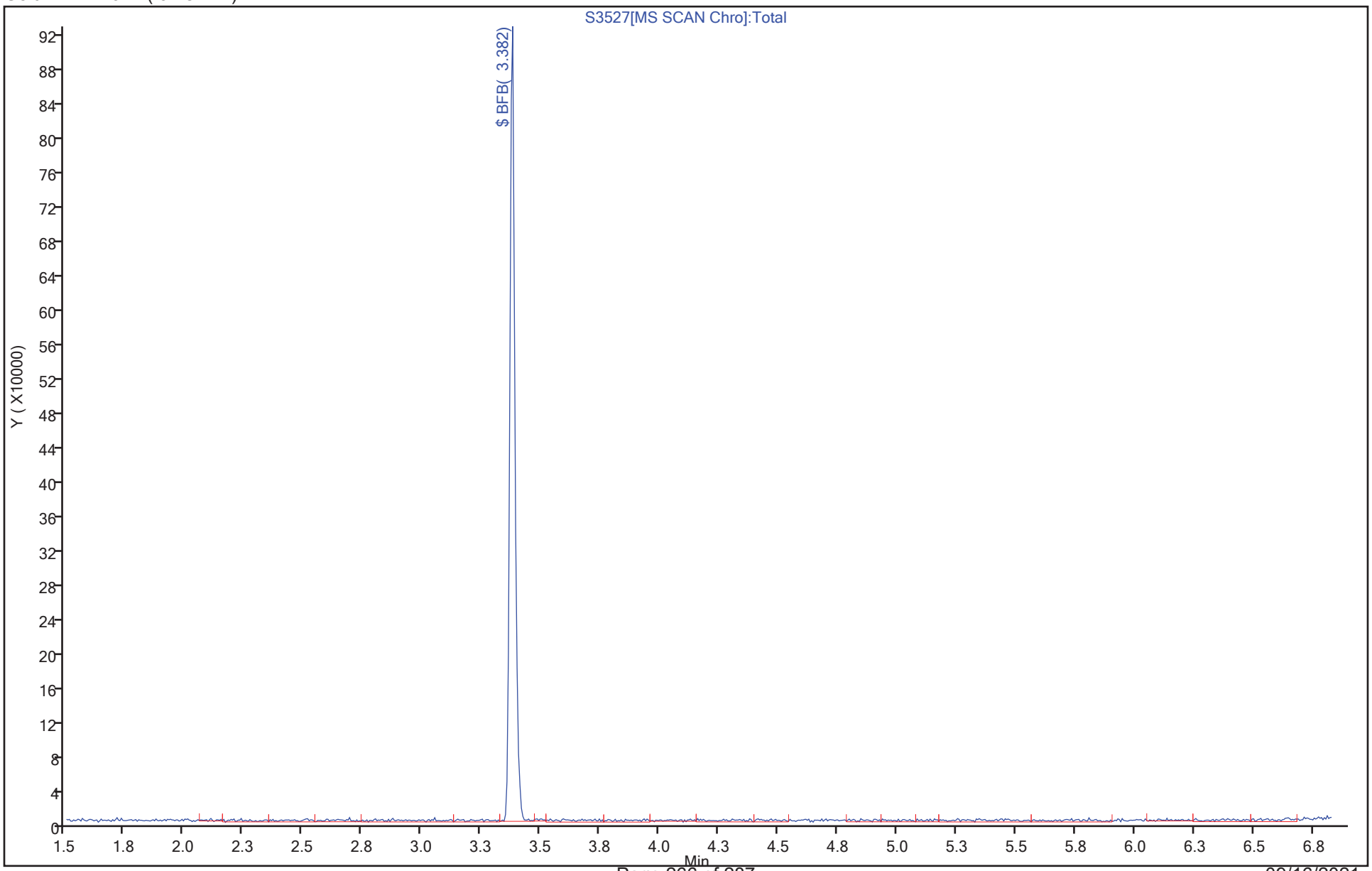
Report Date: 15-Sep-2021 11:28:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3527.D

Injection Date:	15-Sep-2021 11:18:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-596422/7

Matrix: Water Lab File ID: S3532.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/15/2021 13:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 596422 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-596422/7

Matrix: Water Lab File ID: S3532.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/15/2021 13:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 596422 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3532.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 15-Sep-2021 13:26:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0101001-007
Operator ID: LH Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 16:00:39 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 16:00:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	165745	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	87	301631	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	94	324185	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	0.000	63	223218	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.731	4.732	-0.001	92	142210	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	93	811675	25.0	26.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	255892	25.0	25.1	
10 Dichlorodifluoromethane	85		1.087					ND	
11 Chlorodifluoromethane	51		1.106					ND	
12 Chloromethane	50		1.246					ND	
13 Vinyl chloride	62		1.319					ND	
151 Butadiene	54		1.331					ND	
14 Bromomethane	94		1.586					ND	
15 Chloroethane	64		1.647					ND	
16 Dichlorofluoromethane	67		1.848					ND	7
17 Trichlorofluoromethane	101		1.854					ND	
18 Ethyl ether	59		2.097					ND	
148 Ethanol	45		2.170					ND	
19 Propene oxide	58		2.176					ND	
20 Acrolein	56		2.274					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.298					ND	
22 1,1-Dichloroethene	96		2.316					ND	
23 Acetone	43		2.420					ND	
25 Iodomethane	142		2.468					ND	
26 Carbon disulfide	76		2.499					ND	7
24 Isopropyl alcohol	45		2.596					ND	
28 3-Chloro-1-propene	41		2.651					ND	U
27 Methyl acetate	43		2.706					ND	
29 Acetonitrile	40		2.724					ND	U
30 Methylene Chloride	84		2.815					ND	7
31 2-Methyl-2-propanol	59		2.973					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		2.998					ND	
34 trans-1,2-Dichloroethene	96		3.010					ND	
33 Acrylonitrile	53		3.077					ND	
35 Hexane	57		3.198					ND	
39 1,1-Dichloroethane	63		3.417					ND	
36 Isopropyl ether	45		3.436					ND	
40 2-Chloro-1,3-butadiene	53		3.472					ND	
37 Vinyl acetate	43		3.478					ND	
38 1,1-Dimethoxyethane	75		3.509					ND	
41 Tert-butyl ethyl ether	59		3.770					ND	
139 Halothane	117		3.822					ND	
44 2,2-Dichloropropane	77		3.928					ND	
45 cis-1,2-Dichloroethene	96		3.965					ND	
43 2-Butanone (MEK)	43		4.008					ND	
42 Ethyl acetate	43		4.038					ND	7
46 Propionitrile	54		4.111					ND	
48 Chlorobromomethane	128		4.196					ND	
47 Methacrylonitrile	41		4.214					ND	
49 Tetrahydrofuran	42		4.214					ND	
50 Chloroform	83		4.275					ND	
52 Cyclohexane	56		4.379					ND	
51 1,1,1-Trichloroethane	97		4.379					ND	
55 Carbon tetrachloride	117		4.513					ND	
54 1,1-Dichloropropene	75		4.525					ND	
152 Isooctane	57		4.719					ND	
57 Benzene	78		4.725					ND	
53 Isobutyl alcohol	43		4.780					ND	
58 1,2-Dichloroethane	62		4.805					ND	
56 Tert-amyl methyl ether	73		4.811					ND	
147 t-Amyl alcohol	59		4.829					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.877					ND	
59 n-Heptane	43		4.914					ND	
1 1,4-Difluorobenzene	114		5.115					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
62 Trichloroethene	95		5.334					ND	
60 n-Butanol	56		5.401					ND	
64 Methylcyclohexane	83		5.443					ND	
142 Ethyl acrylate	55		5.474					ND	
65 1,2-Dichloropropane	63		5.577					ND	
63 Methyl methacrylate	41		5.687					ND	
67 Dibromomethane	93		5.711					ND	
66 1,4-Dioxane	88		5.729					ND	
68 Dichlorobromomethane	83		5.869					ND	
70 2-Nitropropane	43		6.125					ND	7
69 2-Chloroethyl vinyl ether	63		6.155					ND	
71 Epichlorohydrin	57		6.246					ND	
72 cis-1,3-Dichloropropene	75		6.283					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.435					ND	
74 Toluene	92		6.563					ND	
76 2-Methylthiophene	97		6.696					ND	
77 trans-1,3-Dichloropropene	75		6.855					ND	
78 3-Methylthiophene	97		6.861					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		6.909					ND	
79 1,1,2-Trichloroethane	83		7.037					ND	
81 Tetrachloroethene	166		7.080					ND	
82 1,3-Dichloropropane	76		7.195					ND	
80 2-Hexanone	43		7.274					ND	
155 n-Butyl acetate	43		7.384					ND	
83 Chlorodibromomethane	129		7.427					ND	
84 Ethylene Dibromide	107		7.524					ND	
146 1-Chlorohexane	55		7.956					ND	U
85 3-Chlorobenzotrifluoride	180		7.980					ND	
87 Chlorobenzene	112		7.992					ND	
86 4-Chlorobenzotrifluoride	180		8.041					ND	
88 Ethylbenzene	91		8.090					ND	
89 1,1,1,2-Tetrachloroethane	131		8.096					ND	
90 m-Xylene & p-Xylene	106		8.211					ND	
91 o-Xylene	106		8.637					ND	
92 Styrene	104		8.668					ND	
95 Bromoform	173		8.911					ND	
93 2-Chlorobenzotrifluoride	180		8.953					ND	
94 Isopropylbenzene	105		9.020					ND	
96 Cyclohexanone	55		9.197					ND	
101 Bromobenzene	156		9.367					ND	
97 1,1,2,2-Tetrachloroethane	83		9.452					ND	
99 N-Propylbenzene	91		9.465					ND	
100 1,2,3-Trichloropropane	110		9.477					ND	
98 trans-1,4-Dichloro-2-butene	53		9.501					ND	
103 2-Chlorotoluene	126		9.562					ND	
104 3-Chlorotoluene	126		9.635					ND	
102 1,3,5-Trimethylbenzene	105		9.653					ND	
105 4-Chlorotoluene	126		9.684					ND	
106 tert-Butylbenzene	134		9.976					ND	
108 Pentachloroethane	167		10.036					ND	
107 1,2,4-Trimethylbenzene	105		10.036					ND	
109 sec-Butylbenzene	105		10.195					ND	
111 1,3-Dichlorobenzene	146		10.328					ND	
110 4-Isopropyltoluene	119		10.341					ND	
114 Dicyclopentadiene	66		10.389					ND	
113 1,4-Dichlorobenzene	146		10.420					ND	
112 1,2,3-Trimethylbenzene	105		10.450					ND	
150 Benzyl chloride	126		10.572					ND	
115 n-Butylbenzene	91		10.736					ND	
116 1,2-Dichlorobenzene	146		10.773					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.521					ND	
118 1,3,5-Trichlorobenzene	180		11.648					ND	
119 1,2,4-Trichlorobenzene	180		12.196					ND	
120 Hexachlorobutadiene	225		12.312					ND	
121 Naphthalene	128		12.409					ND	
122 1,2,3-Trichlorobenzene	180		12.610					ND	
149 2-Methylnaphthalene	142	13.328	13.322	0.007	7	3334		0.0816	7
134 Pentachloroethane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
144 1-Bromopropane TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
S 123 Total BTEX	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

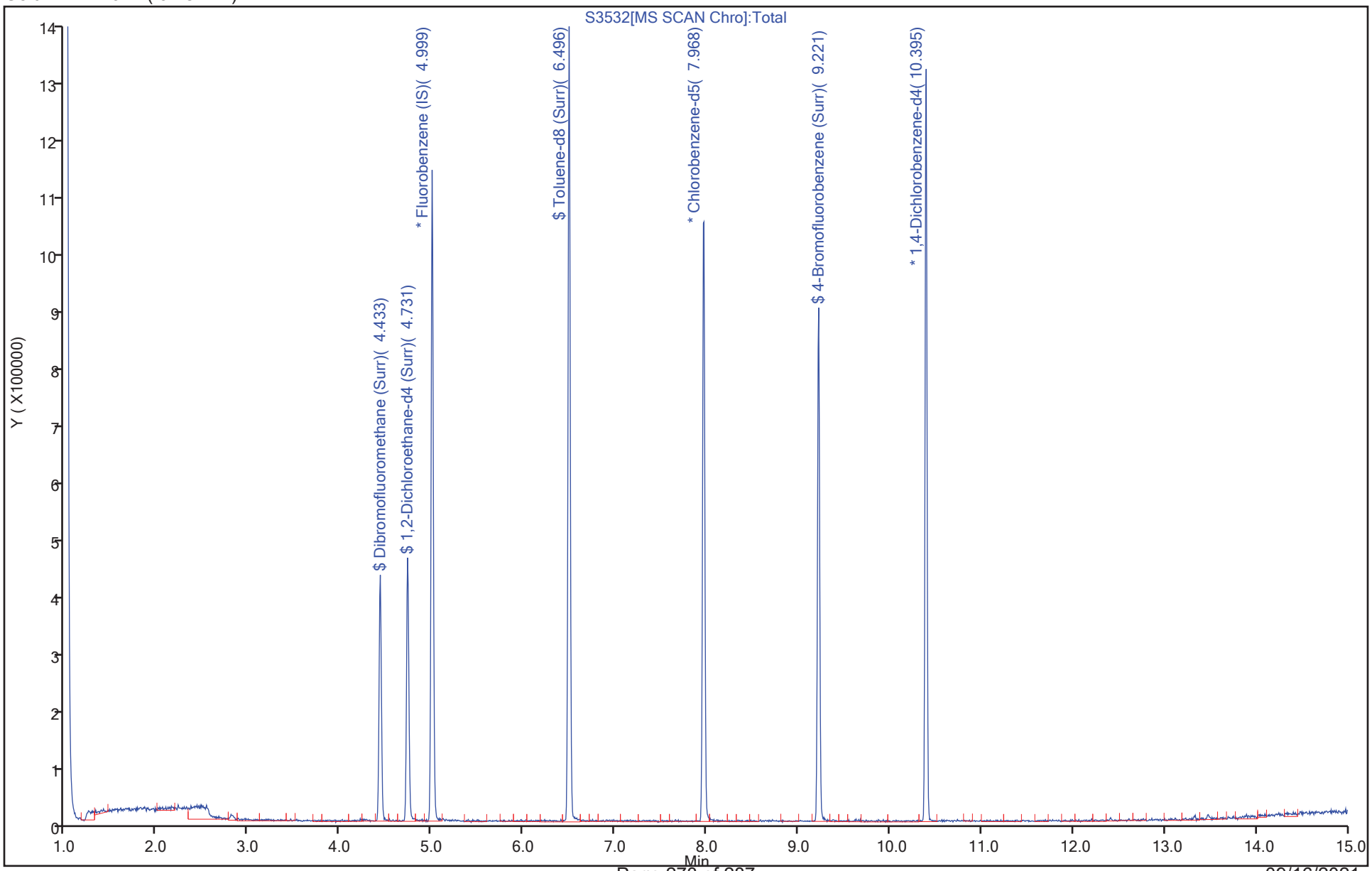
Report Date: 15-Sep-2021 16:00:39 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3532.D

Injection Date:	15-Sep-2021 13:26:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-596422/5

Matrix: Water Lab File ID: S3530.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/15/2021 12:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 596422 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.0		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.1		1.0	0.23
75-34-3	1,1-Dichloroethane	24.4		1.0	0.38
75-35-4	1,1-Dichloroethene	23.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.4		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	26.2		1.0	0.39
106-93-4	1,2-Dibromoethane	26.2		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.7		1.0	0.79
107-06-2	1,2-Dichloroethane	23.9		1.0	0.21
78-87-5	1,2-Dichloropropane	24.5		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.9		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.1		1.0	0.84
78-93-3	2-Butanone (MEK)	131		10	1.3
591-78-6	2-Hexanone	130		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	120		5.0	2.1
67-64-1	Acetone	131		10	3.0
71-43-2	Benzene	25.1		1.0	0.41
75-27-4	Bromodichloromethane	25.5		1.0	0.39
75-25-2	Bromoform	26.9		1.0	0.26
74-83-9	Bromomethane	21.9		1.0	0.69
75-15-0	Carbon disulfide	25.1		1.0	0.19
56-23-5	Carbon tetrachloride	25.6		1.0	0.27
108-90-7	Chlorobenzene	25.8		1.0	0.75
75-00-3	Chloroethane	21.9		1.0	0.32
67-66-3	Chloroform	22.9		1.0	0.34
74-87-3	Chloromethane	23.1		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.6		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.5		1.0	0.36
110-82-7	Cyclohexane	26.5		1.0	0.18
124-48-1	Dibromochloromethane	26.3		1.0	0.32
75-71-8	Dichlorodifluoromethane	23.5		1.0	0.68
100-41-4	Ethylbenzene	25.6		1.0	0.74
98-82-8	Isopropylbenzene	25.9		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-596422/5

Matrix: Water Lab File ID: S3530.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/15/2021 12:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 596422 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	46.5		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.9		1.0	0.16
108-87-2	Methylcyclohexane	26.8		1.0	0.16
75-09-2	Methylene Chloride	24.3		1.0	0.44
100-42-5	Styrene	25.5		1.0	0.73
127-18-4	Tetrachloroethene	26.5		1.0	0.36
108-88-3	Toluene	25.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.1		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.5		1.0	0.37
79-01-6	Trichloroethene	25.5		1.0	0.46
75-69-4	Trichlorofluoromethane	23.4		1.0	0.88
75-01-4	Vinyl chloride	23.8		1.0	0.90
1330-20-7	Xylenes, Total	51.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3530.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 15-Sep-2021 12:40:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0101001-005
Operator ID: LH Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 13:01:02 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 13:01:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	175473	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	85	363362	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	55	380768	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.427	4.433	-0.006	56	236922	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	54	151677	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	63	911944	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	92	313262	25.0	25.5	
10 Dichlorodifluoromethane	85	1.087	1.087	0.000	87	293295	25.0	23.5	
12 Chloromethane	50	1.246	1.246	0.000	89	380675	25.0	23.1	
13 Vinyl chloride	62	1.319	1.319	0.000	71	356739	25.0	23.8	
151 Butadiene	54	1.325	1.331	-0.006	63	411132	25.0	23.2	
14 Bromomethane	94	1.592	1.586	0.006	91	220393	25.0	21.9	
15 Chloroethane	64	1.647	1.647	0.000	94	228163	25.0	21.9	
16 Dichlorofluoromethane	67	1.854	1.848	0.006	81	488696	25.0	22.6	
17 Trichlorofluoromethane	101	1.860	1.854	0.006	84	430431	25.0	23.4	
18 Ethyl ether	59	2.091	2.097	-0.006	92	291921	25.0	23.2	
20 Acrolein	56	2.268	2.274	-0.006	90	112652	125.0	123.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.298	0.000	75	263754	25.0	26.5	
22 1,1-Dichloroethene	96	2.310	2.316	-0.006	88	254869	25.0	23.9	
23 Acetone	43	2.414	2.420	-0.006	99	709358	125.0	131.4	
25 Iodomethane	142	2.468	2.468	0.000	96	451706	25.0	23.7	
26 Carbon disulfide	76	2.505	2.499	0.006	98	860674	25.0	25.1	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	88	506661	25.0	24.1	
27 Methyl acetate	43	2.706	2.706	0.000	96	660587	50.0	46.5	
30 Methylene Chloride	84	2.815	2.815	0.000	93	303458	25.0	24.3	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	64	516664	250.0	307.3	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	93	918930	25.0	23.9	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	92	289829	25.0	24.1	
33 Acrylonitrile	53	3.077	3.077	0.000	100	1794852	250.0	243.7	
35 Hexane	57	3.198	3.198	0.000	88	497484	25.0	27.3	
39 1,1-Dichloroethane	63	3.418	3.417	0.001	84	538474	25.0	24.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.478	3.478	0.000	97	1533087	50.0	52.6	
44 2,2-Dichloropropane	77	3.922	3.928	-0.006	92	247817	25.0	22.1	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	70	319600	25.0	24.6	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	97	1083373	125.0	131.4	
48 Chlorobromomethane	128	4.196	4.196	0.000	97	167882	25.0	24.1	
49 Tetrahydrofuran	42	4.208	4.214	-0.006	89	289338	50.0	47.3	
50 Chloroform	83	4.275	4.275	0.000	81	501494	25.0	22.9	
52 Cyclohexane	56	4.379	4.379	0.000	92	596042	25.0	26.5	
51 1,1,1-Trichloroethane	97	4.379	4.379	0.000	72	438927	25.0	25.4	
55 Carbon tetrachloride	117	4.506	4.513	-0.006	84	387161	25.0	25.6	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	92	397600	25.0	26.2	
57 Benzene	78	4.725	4.725	0.000	97	1175318	25.0	25.1	
53 Isobutyl alcohol	43	4.780	4.780	0.000	61	382001	625.0	664.0	
58 1,2-Dichloroethane	62	4.805	4.805	0.000	82	424417	25.0	23.9	
59 n-Heptane	43	4.914	4.914	0.000	92	564254	25.0	27.2	
62 Trichloroethene	95	5.334	5.334	0.000	91	286041	25.0	25.5	
64 Methylcyclohexane	83	5.443	5.443	0.000	91	549222	25.0	26.8	
65 1,2-Dichloropropane	63	5.571	5.577	-0.006	92	292222	25.0	24.5	
67 Dibromomethane	93	5.711	5.711	0.000	88	180078	25.0	24.3	
66 1,4-Dioxane	88	5.723	5.723	-0.006	42	83410	500.0	522.1	M
68 Dichlorobromomethane	83	5.869	5.869	0.000	93	349675	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	93	217867	25.0	26.4	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	89	468741	25.0	26.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	2209054	125.0	120.3	
74 Toluene	92	6.563	6.563	0.000	95	739702	25.0	25.2	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	92	449347	25.0	26.5	
75 Ethyl methacrylate	69	6.903	6.909	-0.006	73	391612	25.0	26.8	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	86	219546	25.0	24.1	
81 Tetrachloroethene	166	7.080	7.080	0.000	83	338820	25.0	26.5	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	95	473035	25.0	25.3	
80 2-Hexanone	43	7.268	7.274	-0.006	97	1596086	125.0	129.5	
83 Chlorodibromomethane	129	7.427	7.427	0.000	87	281266	25.0	26.3	
84 Ethylene Dibromide	107	7.518	7.524	-0.006	97	298064	25.0	26.2	
87 Chlorobenzene	112	7.992	7.992	0.000	94	866891	25.0	25.8	
88 Ethylbenzene	91	8.090	8.090	0.000	98	1415635	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	47	311905	25.0	25.7	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	580913	25.0	25.9	
91 o-Xylene	106	8.637	8.637	0.000	96	570163	25.0	25.7	
92 Styrene	104	8.668	8.668	0.000	92	929003	25.0	25.5	
95 Bromoform	173	8.911	8.911	0.000	98	200329	25.0	26.9	
94 Isopropylbenzene	105	9.020	9.020	0.000	95	1498785	25.0	25.9	
101 Bromobenzene	156	9.367	9.367	0.000	93	384198	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	58	396012	25.0	25.0	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	1696057	25.0	26.2	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	67	133298	25.0	24.3	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.501	0.000	72	133921	25.0	24.9	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	348360	25.0	24.7	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	1272380	25.0	25.9	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	356060	25.0	25.5	
106 tert-Butylbenzene	134	9.976	9.976	0.000	90	287372	25.0	26.3	
107 1,2,4-Trimethylbenzene	105	10.036	10.036	0.000	59	1286011	25.0	25.2	
109 sec-Butylbenzene	105	10.195	10.195	0.000	93	1618792	25.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.322	10.328	-0.006	98	725309	25.0	24.9	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	1450978	25.0	26.7	
113 1,4-Dichlorobenzene	146	10.414	10.420	-0.006	95	746578	25.0	25.1	
115 n-Butylbenzene	91	10.736	10.736	0.000	94	1200363	25.0	26.6	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.001	97	733478	25.0	24.7	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	82	84718	25.0	26.2	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	95	547924	25.0	24.4	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	92	248210	25.0	26.0	
121 Naphthalene	128	12.409	12.409	0.000	96	1669757	25.0	24.8	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	543063	25.0	24.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00214	Amount Added:	12.50	Units: uL	
GAS CORP mix_00472	Amount Added:	12.50	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 13:01:02 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210915-101001.b\S3530.D

Injection Date: 15-Sep-2021 12:40:30 Instrument ID: HP5973S Operator ID: LH

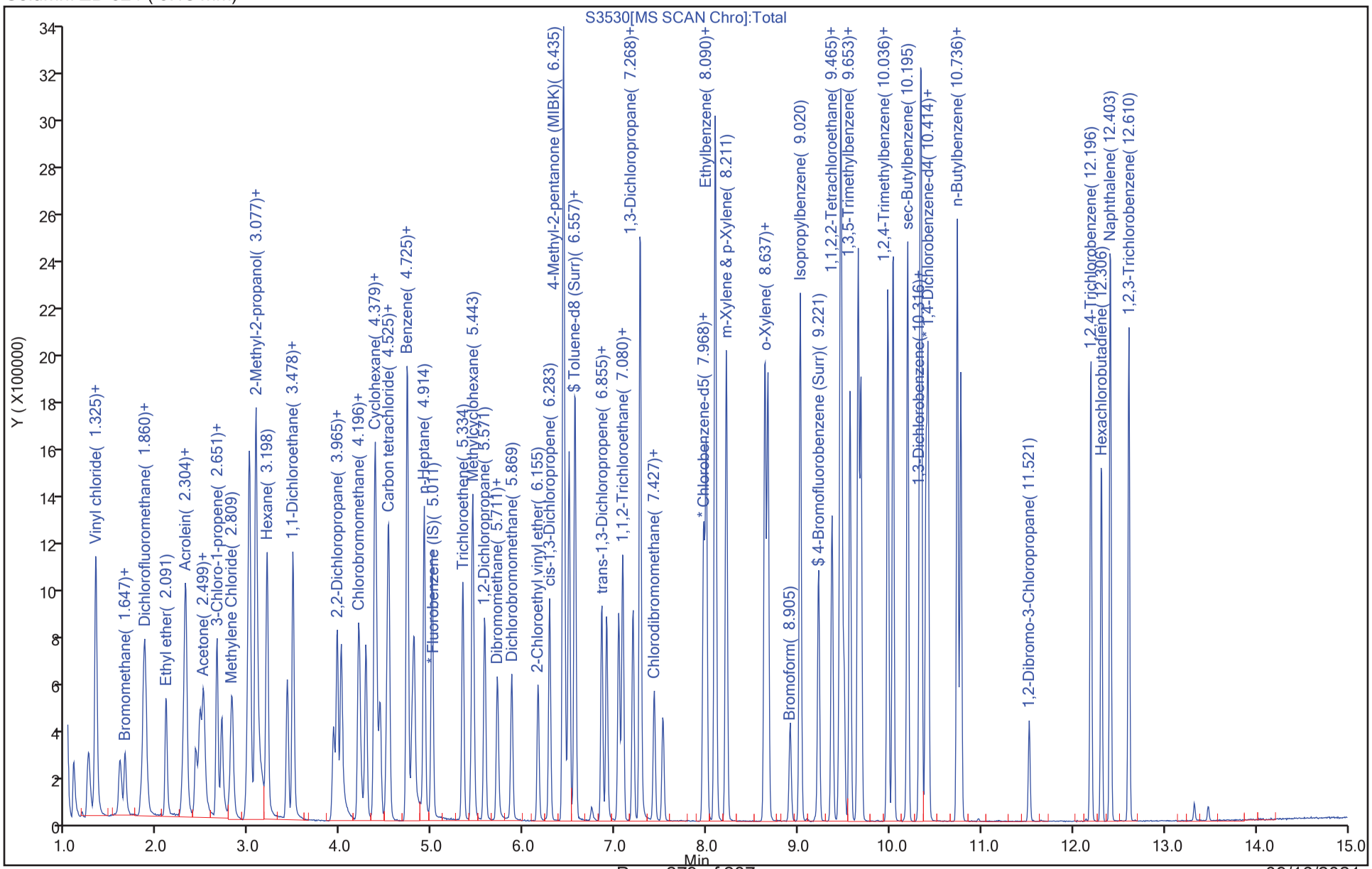
Lims ID: LCS Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Instrument ID: HP5973S Start Date: 09/14/2021 16:49

Analysis Batch Number: 596289 End Date: 09/15/2021 02:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-596289/2		09/14/2021 16:49	1	S3497.D	ZB-624 (20) 0.18(mm)
IC 480-596289/4		09/14/2021 17:37	1	S3499.D	ZB-624 (20) 0.18(mm)
IC 480-596289/5		09/14/2021 18:00	1	S3500.D	ZB-624 (20) 0.18(mm)
IC 480-596289/6		09/14/2021 18:24	1	S3501.D	ZB-624 (20) 0.18(mm)
IC 480-596289/7		09/14/2021 18:47	1	S3502.D	ZB-624 (20) 0.18(mm)
IC 480-596289/8		09/14/2021 19:10	1	S3503.D	ZB-624 (20) 0.18(mm)
ICIS 480-596289/9		09/14/2021 19:33	1	S3504.D	ZB-624 (20) 0.18(mm)
IC 480-596289/10		09/14/2021 19:57	1	S3505.D	ZB-624 (20) 0.18(mm)
IC 480-596289/11		09/14/2021 20:20	1	S3506.D	ZB-624 (20) 0.18(mm)
IC 480-596289/16		09/14/2021 22:16	1		ZB-624 (20) 0.18(mm)
IC 480-596289/17		09/14/2021 22:40	1		ZB-624 (20) 0.18(mm)
IC 480-596289/18		09/14/2021 23:03	1		ZB-624 (20) 0.18(mm)
IC 480-596289/19		09/14/2021 23:26	1		ZB-624 (20) 0.18(mm)
IC 480-596289/20		09/14/2021 23:49	1		ZB-624 (20) 0.18(mm)
IC 480-596289/21		09/15/2021 00:12	1		ZB-624 (20) 0.18(mm)
IC 480-596289/22		09/15/2021 00:35	1		ZB-624 (20) 0.18(mm)
ICV 480-596289/25		09/15/2021 01:44	1	S3520.D	ZB-624 (20) 0.18(mm)
ICV 480-596289/26		09/15/2021 02:07	1	S3521.D	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Instrument ID: HP5973S Start Date: 09/15/2021 11:18

Analysis Batch Number: 596422 End Date: 09/15/2021 22:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-596422/2		09/15/2021 11:18	1	S3527.D	ZB-624 (20) 0.18(mm)
CCVIS 480-596422/3		09/15/2021 11:43	1	S3528.D	ZB-624 (20) 0.18(mm)
CCV 480-596422/4		09/15/2021 12:16	1	S3529.D	ZB-624 (20) 0.18(mm)
LCS 480-596422/5		09/15/2021 12:40	1	S3530.D	ZB-624 (20) 0.18(mm)
MB 480-596422/7		09/15/2021 13:26	1	S3532.D	ZB-624 (20) 0.18(mm)
480-189431-1	MW-11 091021	09/15/2021 13:59	8	S3533.D	ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 14:22	2		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 14:46	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 15:09	2		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 15:33	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 15:56	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 16:20	2		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 16:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 17:06	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 17:29	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 17:52	8		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 18:15	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 18:39	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 19:02	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 19:25	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 19:48	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 20:11	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 20:34	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 20:57	2		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 21:20	2		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 21:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 22:06	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 22:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/15/2021 22:53	1		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Batch Number: 596289 Batch Start Date: 09/14/21 16:49 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00214	BFB_WRK 00126	GAS CORP mix 00472	S_8260_IS 00351
BFB 480-596289/2		8260C		1 uL	1 uL		1 uL		
IC 480-596289/4		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-596289/5		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-596289/6		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-596289/7		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-596289/8		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-596289/9		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-596289/10		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-596289/11		8260C		5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-596289/25		8260C		5 mL	5 mL				1 uL
ICV 480-596289/26		8260C		5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_Surr 00398	SS 8260 CORP 00094	SS ADD CORP 00072	SS GAS CORP 00421		
BFB 480-596289/2		8260C							
IC 480-596289/4		8260C		1 uL					
IC 480-596289/5		8260C		1 uL					
IC 480-596289/6		8260C		1 uL					
IC 480-596289/7		8260C		1 uL					
IC 480-596289/8		8260C		1 uL					
ICIS 480-596289/9		8260C		1 uL					
IC 480-596289/10		8260C		1 uL					
IC 480-596289/11		8260C		1 uL					
ICV 480-596289/25		8260C		1 uL	12.5 uL		12.5 uL		
ICV 480-596289/26		8260C		1 uL		12.5 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Batch Number: 596289 Batch Start Date: 09/14/21 16:49 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189431-1

SDG No.:

Batch Number: 596422 Batch Start Date: 09/15/21 11:18 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	2 MTP 2019 00036	3 MTP 2019 00036	8260 CORP mix 00214
BFB 480-596422/2		8260C		1 uL	1 uL				
CCVIS 480-596422/3		8260C		5 mL	5 mL				12.5 uL
CCV 480-596422/4		8260C		5 mL	5 mL		12.5 uL	12.5 uL	
LCS 480-596422/5		8260C		5 mL	5 mL				12.5 uL
MB 480-596422/7		8260C		5 mL	5 mL				
480-189431-B-1	MW-11 091021	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	ADD CORP mix 00116	BFB_WRK 00126	GAS CORP mix 00472	S_8260_IS 00351	S_8260_Surr 00398	
BFB 480-596422/2		8260C			1 uL				
CCVIS 480-596422/3		8260C				12.5 uL	1 uL	1 uL	
CCV 480-596422/4		8260C		12.5 uL			1 uL	1 uL	
LCS 480-596422/5		8260C				12.5 uL	1 uL	1 uL	
MB 480-596422/7		8260C					1 uL	1 uL	
480-189431-B-1	MW-11 091021	8260C	T				1 uL	1 uL	

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

>> Select a Laboratory or Service Center <<

#N/A 10 Hazelwood Drive
#N/A Amherst, NY 14228-2298
#N/A 716-691-2600
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Chain of Custody Record

Albany #224

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact		Project Manager: Karen Peppin	Site Contact: Alex Golden	Date: 9/10/21	COC No: 1 of 1 COCs
Your Company Name here	AECOM	Email: karen.peppin@aecom.com	Lab Contact: John Snove	Carrier:	TALS Project #:
Address	40 British American Blvd	Tel/Fax:			Sampler:
City/State/Zip	Latham, NY 12110	Analysis Turnaround Time			For Lab Use Only:
(xxx) xxx-xxxx	518-951-2570 Phone	☒ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(xxx) xxx-xxxx	FAX	TAT if different from Below 3 Day TAT			Lab Sampling:
Project Name:	walgreen's, 605622248	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Job / SDG No.:
Site:	Kingston, NY				
P O #	99103				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260C-VOCs	Sample Specific Notes:
MW-11 091021	9/10/21	1025	G	GW	3	N	X		

480-189431 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: ASP Cat B

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by:	Company: AECOM	Date/Time: 9/10/21 1300	Received by:	Company: EETA	Date/Time: 9-10-2021 1300
Relinquished by:	Company: EETA	Date/Time: 9-10-21 1700	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TALS	Date/Time: 9/11/21 900

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 480-189431-1

Login Number: 189431
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ATTACHMENT 3

ANALYTICAL DATA REVIEW, MEMO BY AECOM CHEMIST

AECOM
One John James Audubon Parkway
Suite 210
Amherst, New York 14228
www.aecom.com

716 856 5636 tel
716 856 2545 fax

Memorandum

To	Karen Peppin	Page	1
CC			
Subject	Analytical Data Review Walgreens Site – Kingston, NY September 2021 Sampling Events		
From	Ann Marie Kropovitch		
Date	September 28, 2021		

Two soil samples, one soil field duplicate (FD), one matrix spike/matrix spike duplicate pair, and one water sample were collected from the Walgreens Site on September 3-10, 2021 by AECOM and sent to Eurofins Laboratories, Inc. (Amherst NY) for analysis. The samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC). The samples were analyzed for volatile organic compounds (VOCs) by USEPA Method 8260C. The analytical results were provided in Eurofins report numbers, 480-189159-1 and 480-189431-1.

A limited data review was performed on all samples for completeness of deliverables, and for compliance with method criteria, which includes reporting limits (RL), holding times, method blanks, surrogate recoveries, internal standard recoveries, MS/MSD recoveries, and laboratory control sample (LCS) recoveries.

All samples were analyzed within holding times, with compliant surrogate, MS/MSD and LCS recoveries.

Soil sample MW-11 14-15 showed internal standards (IS) chlorobenzene-d_5 and 1,4-dichlorobenzene-d_4 as being below the lower QC limit. Those compounds associated with IS chlorobenzene-d_5 have been qualified 'UJ'. Since the recovery of internal standard 1,4-dichlorobenzene-d_4 was extremely low (i.e., <25%) those compounds associated with this IS have been rejected (R).

The relative percent difference between sample MW-11 9.5-10 and the field duplicate performed on this sample exceeded 50% for methylene chloride. The methylene chloride results have been qualified 'J'. It should be noted while both samples were analyzed by medium level, the parent sample was analyzed at a dilution of 4 and the duplicate sample was analyzed at a dilution of 10.

Samples MW-11 9.5-10 and its field duplicate were only analyzed at a dilution due to the high concentration of methylene chloride. The RLs for the non-detect compounds are the lowest achievable at the diluted level. Results reported by the laboratory with a 'J' qualifier have concentrations between the method detection limit and RL.

Due to the dilutions required by the elevated levels of methylene chloride, the reporting limits for the non-detect target compounds were elevated. Since tetrachloroethene (PCE) is a compound of concern, the laboratory was requested to evaluate the raw data to determine if PCE was present below the elevated reporting limit. The laboratory supervisor evaluated the ion scans and determined that the ions required for identification of PCE were not present. The laboratory is confident that PCE was not present in the samples.

All data are usable as reported with the exception of the rejected compounds.

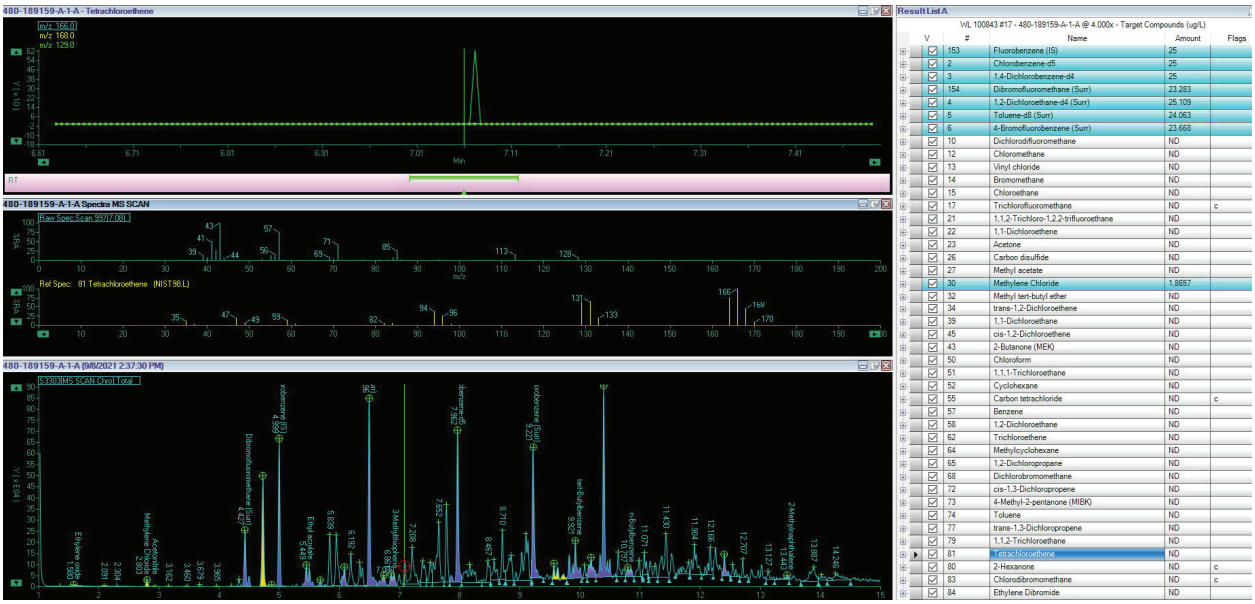
From: Schove, John <John.Schove@Eurofinset.com>
Sent: Wednesday, September 29, 2021 5:53 PM
To: Kropovitch, Ann Marie <ann.marie.kropovitch@aecom.com>
Subject: [EXTERNAL] RE: 480-189159-1 60562248, Walgreen's Site (Kingston, NY)

Ann Marie,

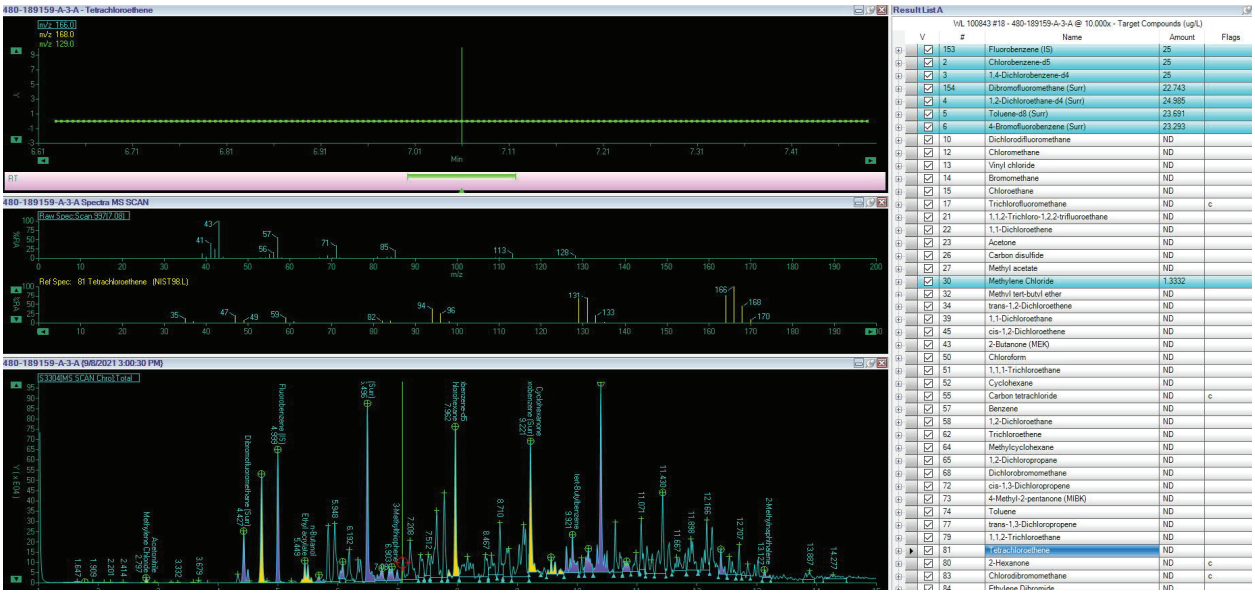
I had the supervisor look into this.

There were no runs at a lower dilution. She took a look at where the Tetra would elute and there is none present in either of the samples. Just a lot of noise. She sent me screen shots from the MS. If Teta was there it should have 129, 166 and 168 ions present. We just detected some low level 129 and none of the minor ions in sample 1 and none of the expected ions in sample 3.

01 No Tetra



03 No Tetra



V	#	Name	Amount	Flags
	153	Fluorobenzene (IS)	25	
	2	Chlorobenzene-d5	25	
	3	1,4-Dichlorobenzene-d4	25	
	154	Dibromofluoromethane (Surr)	22.743	
	4	1,2-Dichloroethane-d4 (Surr)	24.985	
	5	Toluene-d8 (Surr)	23.691	
	6	4-Bromofluorobenzene (Surr)	23.293	
	10	Dichlorodifluoromethane	ND	
	12	Chloromethane	ND	
	13	Vinyl chloride	ND	
	14	Bromomethane	ND	
	15	Chloroethane	ND	
	17	Trichlorofluoromethane	ND	c
	21	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	
	22	1,1-Dichloroethene	ND	
	23	Acetone	ND	
	26	Carbon disulfide	ND	
	27	Methyl acetate	ND	
	30	Methylene Chloride	1.3332	
	32	Methyl tert-butyl ether	ND	
	34	trans-1,2-Dichloroethene	ND	
	39	1,1-Dichloroethane	ND	
	45	cis-1,2-Dichloroethene	ND	
	43	2-Butanone (MEK)	ND	
	50	Chloroform	ND	
	51	1,1,1-Trichloroethane	ND	
	52	Cyclohexane	ND	
	55	Carbon tetrachloride	ND	c
	57	Benzene	ND	
	58	1,2-Dichloroethane	ND	
	62	Trichloroethene	ND	
	64	Methylcyclohexane	ND	
	65	1,2-Dichloropropane	ND	
	68	Dichlorobromomethane	ND	
	72	cis-1,3-Dichloropropene	ND	
	73	4-Methyl-2-pentanone (MIBK)	ND	
	74	Toluene	ND	
	77	trans-1,3-Dichloropropene	ND	
	79	1,1,2-Trichloroethane	ND	
	81	Tetrachloroethene	ND	
	80	2-Hexanone	ND	c
	83	Chlorodibromomethane	ND	c
	84	Ethylene Dibromide	ND	

John Schove
Project Manager

Eurofins TestAmerica
10 Hazelwood Drive
Amherst, NY 14228
USA

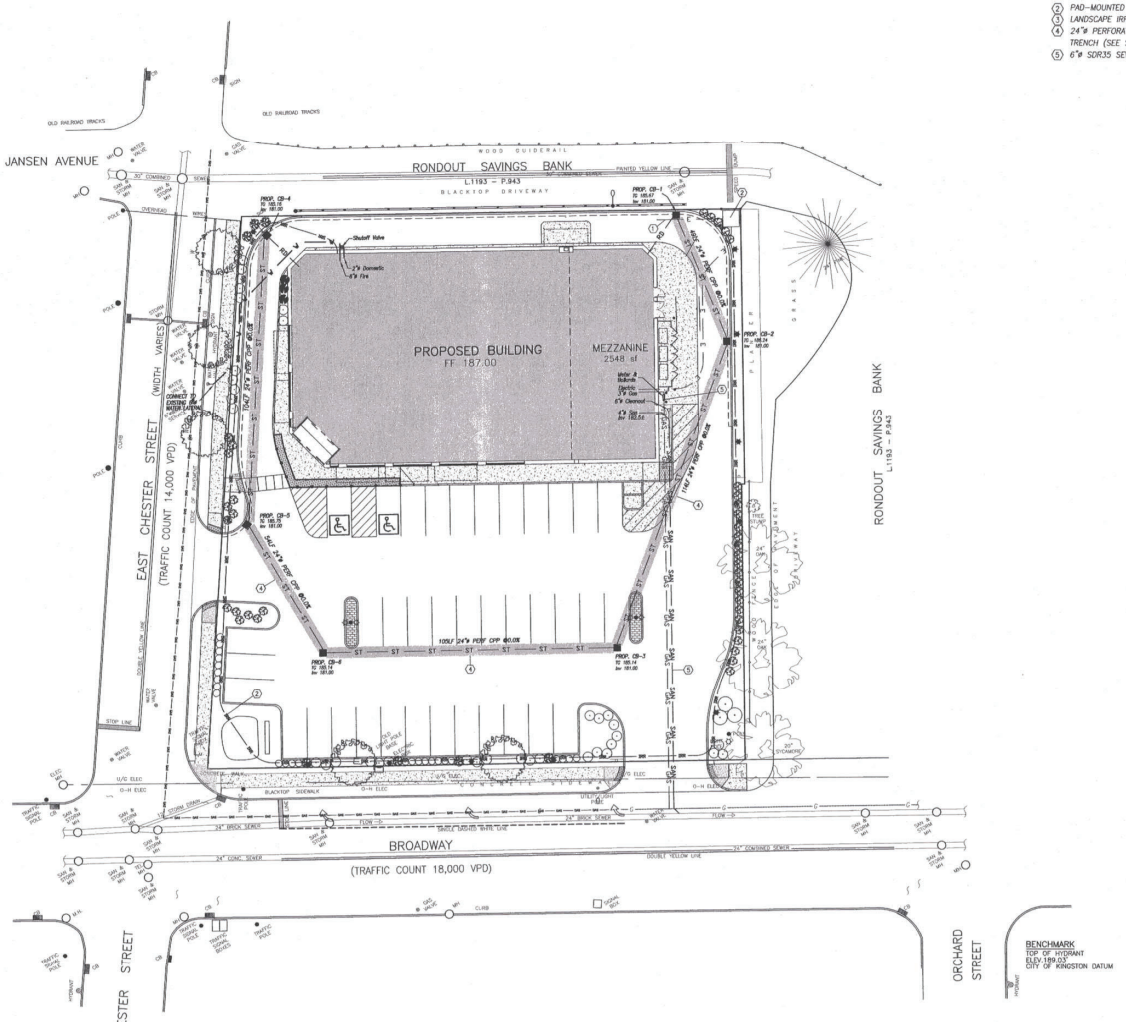
Phone: 716-504-9838
Internal: 848138

E-mail: john.schove@eurofinset.com

www.EurofinsUS.com | www.TestAmericainc.com | Facebook | LinkedIn

ATTACHMENT 4

2009 SITE REDEVELOPMENT UTILITY PLAN



SITE PLAN
1"= 20'

UTILITY PLAN KEYED NOTES

1. *UNDERGROUND ELECTRIC SERVICE TO NEW PAD MOUNTED TRANSFORMER FROM EXISTING CENTRAL HUDSON POLE*
2. *PAD-MOUNTED TRANSFORMER WITH BOLLARDS*
3. *LANDSCAPE IRRIGATION (SEE SPEC. SEC. 02900)*
4. *24"ø PERFORATED PIPE WITHIN STORM WATER EXFILTRATION TRENCH (SEE SHEET C4.3)*
5. *6"ø SDR35 SEWER LATERAL*

LEGEND

- W — *Proposed Water Service*
- Gas — *Proposed Gas Service*
- RD — *Proposed Roof Drain*
- San — *Proposed Sanitary Lateral*
- ST — *Proposed Storm Sewer*
- IRR — *Proposed Irrigation Piping*
- E — *Proposed Electric Conduit*
- *Proposed Pole Light (Double)*
- *Proposed Catch Basin*
- *Existing Manhole*
- *Proposed Spot Elevation*
- *Existing Spot Elevation*

Walgreens

FACILITIES PLANNING, DESIGN + ENGINEERING
200 WILMOT ROAD
DEERFIELD, IL 60015-4616

CONSULTANT PROJECT NO.

PROJECT TYPE

DRAWINGS/SPECIFICATIONS BY:
☐ WALGREENS'
■ LANDLORD'S CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
☐ WALGREENS' CONTRACTOR
■ LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

STORE		BUILDING	
NEW	■	NEW	■
REMODELING	☐	EXISTING	☐
RELOCATION	☐	NEW SHELL ONLY	☐
OTHERS	☐		

SCOTT DUTTON ASSOCIATES, LLC
ARCHITECT
15 CANFIELD STREET
KINGSTON, NEW YORK 12401
PHONE: (845) 339-2039 FAX: (845) 339-3998
www.sda-architects.com
MEMBER AMERICAN INSTITUTE OF ARCHITECTS

HA2F CONSULTANTS IN ENGINEERING
MECHANICAL
ELECTRICAL
PLUMBING
ENERGY
FIRE PROTECTION
1 VAN PATTEN DRIVE, CLIFTON PARK
NEW YORK, 12065
PHONE (518) 877-8686 FAX (518) 877-8690
HA2F PROJECT No: 20080826.00

M.A. DAY Engineering, PC
Consulting Engineers
3 Van Wyck Lane
Suite 2
Wappingers Falls, New York
(845)-223-3202

BRINNIER and LARIOS, P.C.
PROFESSIONAL ENGINEERS & LAND SURVEYORS
16 MAIDEN LANE
KINGSTON, NEW YORK 12401
PHONE: (845) 338-7622 FAX: (845) 338-7660

NO.	DATE	DESCRIPTION	CONST
5.	4/29/2009	AS PER WALGREENS SECOND CHECK SET	
4.	4/22/2009	STRUCTURAL REVISIONS	
3.	3/10/2009	STRUCTURAL REVISIONS	
2.	3/3/2009	RE-ISSUE S0.3 - PRINTING ERROR	
1.	2/20/2009	AS PER WALGREENS FIRST CHECK SET	

REVISIONS

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF NEW YORK AS SIGNIFIED BY MY HAND AND SEAL.

LICENSED PROFESSIONAL ENGINEER — STATE OF NEW YORK

STORE NUMBER 02077

PROJECT NAME
WALGREENS STORE
(NEC) EAST CHESTER & BROADWAY
KINGSTON, NY

DRAWING TITLE
UTILITY PLAN 06.01.09

CADD PLOT:	SCALE: 1"=20'	DRAWING NO.
VOID PLOT:	DRAWN BY: REP	C3.1
SUPERSEDES PLAN DATED:	DATE: 8/1/2008	
	REVIEWED BY: DML	OF DWGS.

ATTACHMENT 5

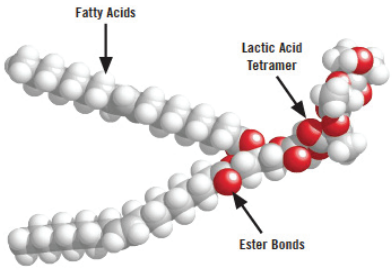
PROPOSED AMENDMENTS FOR WESTERN AREA

3-D Microemulsion® Factory Emulsified Technical Description

3-D Microemulsion (3DME®) is comprised of a patented molecular structure containing oleic acids (i.e., oil component) and lactates/polylactates, which are molecularly bound to one another (figure 1). The 3DME molecule contains both a soluble (hydrophilic) and insoluble (lipophilic) region. These two regions of the molecule are designed to be balanced in size and relative strength. The balanced hydrophilic/lipophilic regions of 3DME result in an electron donor with physical properties allowing it to initially adsorb to the aquifer material in the area of application, then slowly redistribute via very small 3DME "bundles" called micelles. These 3DME micelles spontaneously form within sections of the aquifer where concentrations of 3DME reach several hundred parts per million. The micelles' small size and mobility allow it to move with groundwater flow through the aquifer matrix, passing easily through the pore throats in between soil grains resulting in the further redistribution of 3DME within the aquifer. This allows for advective distribution of the oleic acids which are otherwise insoluble and unable to distribute in this manner, allowing for increased persistence of the lactate/polylactates component due to their initial attachment to the oleic acids.

Example of 3-D Microemulsion

FIGURE 1: THE 3-D MICROEMULSION MOLECULAR STRUCTURE



Due to its patented molecular structure, 3DME offers far greater transport when compared to blended emulsified vegetable oil (EVO) products, which fail to distribute beyond the limits of pumping. 3DME also provides greater persistence when compared to soluble substrates such as lactates or simple sugars. The 3DME molecular structures capitalize on the best features of the two electron-donor types while at the same time, minimize their limitations. 3DME is delivered to the site as a ready-to-apply emulsion that is simply diluted with water to generate a large volume of a 3DME colloidal suspension.

Suspension of 3DME generated by this mixing range from micelles on the order of .02 microns to .05 microns in diameter, to "swollen" micelles, (termed "microemulsions") which are on the order of .05 to 5 microns in diameter. Once injected into the subsurface in high volumes, the colloidal suspension mixes and dilutes in existing pore waters. The micelles/microemulsions on the injection front will then begin to sorb onto the surfaces of soils as a result of zeta potential attraction and organic matter within the soils themselves. As the sorption continues, the 3DME will "coat" pore surfaces developing a layer of molecules and in some cases a bilayer. This sorption process continues as the micelles/microemulsion moves outward and disassociates into their hydrophilic/hydrophobic components. The specialized chemistry of 3DME results in a staged release of electron donors: free lactate (immediate); polylactate esters (mid-range) and free fatty acids & fatty acid esters (long-term). Material longevity of three years or greater has been seen at most sites as determined from biogeochemical analyses.

For a list of treatable contaminants with the use of 3DME, view the Range of Treatable Contaminants Guide.

3-D MICROEMULSION
Factory Emulsified

3-D Microemulsion® Factory Emulsified Technical Description

Chemical Composition

- Fatty acid esters
- Water
- Lactate oligomers
- Sodium lactate
- Proprietary surfactants

Properties

- Density – Approximately 1.0 grams per cubic centimeter (relative to water)
- pH – Neutral (approximately 6.5 to 7.5 standard units)
- Solubility – Soluble in Water
- Appearance – White emulsion
- Odor – Not detectable
- Vapor Pressure – None
- Non-hazardous

Storage and Handling Guidelines

Storage
Store in original tightly closed container
Store in a cool, dry, well-ventilated place
Store away from incompatible materials
Recommended storage containers: plastic-lined steel, plastic, glass, aluminum, stainless steel, or reinforced fiberglass

Handling
Avoid contact with eyes, skin, and clothing
Provide adequate ventilation
Wear appropriate personal protective equipment
Observe good industrial hygiene practices

Applications

- 3DME is diluted with water prior to application. Resulting emulsion has viscosity similar to water.
- Easily injects into formation through direct push injection points, injection wells or other injection delivery systems.

Application instructions for this product are contained in the 3DME FE Application Instructions.

Health and Safety

Material is food grade and relatively safe to handle. We recommend avoiding contact with eyes and prolonged contact with skin. OSHA Level D personal protection equipment including vinyl or rubber gloves, and eye protection are recommended when handling this product. Please review the 3DME FE Material Safety Data Sheet for additional storage, usage, and handling requirements.

REGENESIS®

www.regenesis.com
1011 Calle Sombra, San Clemente CA 92673
949.366.8000

S-MicroZVI Specification Sheet

S-MicroZVI Technical Description

S-MicroZVI® is an *In Situ* Chemical Reduction (ISCR) reagent that promotes the destruction of many organic pollutants and is most commonly used with chlorinated hydrocarbons. It is engineered to provide an optimal source of micro-scale zero valent iron (ZVI) that is both easy to use and delivers enhanced reactivity with the target contaminants via multiple pathways. S-MicroZVI can destroy many chlorinated contaminants through a direct chemical reaction (**see Figure 1**). S-MicroZVI will also stimulate anaerobic biological degradation by rapidly creating a reducing environment that is favorable for reductive dechlorination.

Sulfidated ZVI

S-MicroZVI is composed of colloidal, sulfidated zero-valent iron particles suspended in glycerol using proprietary environmentally acceptable dispersants. The passivation technique of sulfidation, completed using proprietary processing methods, provides unparalleled reactivity with chlorinated hydrocarbons like PCE and TCE and increases its stability and longevity by minimizing undesirable side reactions.

S-MicroZVI is Best in Class For

- ☑ Longevity
- ☑ Reactivity
- ☑ Transport

In addition to superior reactivity, S-MicroZVI is designed for easy handling that is unmatched by any ZVI product on the market. Shipped as a liquid suspension, S-MicroZVI requires no powder feeders, no thickening with guar, and pneumatic or hydraulic fracturing is not mandatory. When diluted with water prior to application, the resulting suspension is easy to inject using either direct push or permanent injection wells.

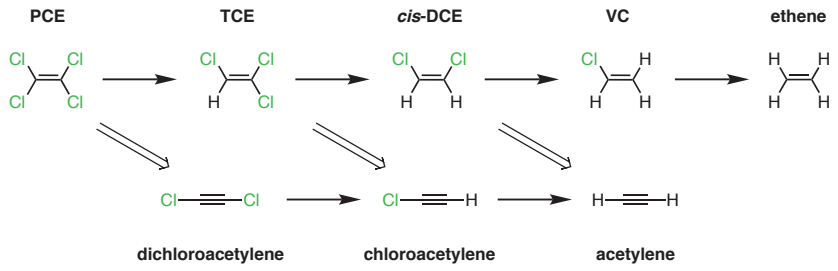


Figure 1: *Chlorinated ethene degradation pathways and products. The top pathway with single line arrows represent the reductive dechlorination (hydrogenolysis) pathway. The lower pathway with downward facing double line arrows represent the beta-elimination pathway.*

To see a list of treatable contaminants, view the S-MicroZVI treatable contaminants guide.

S-Micro ZVI®
Sulfidated Zero-Valent Iron

S-MicroZVI Specification Sheet

Chemical Composition

Iron, powders CAS 7439-89-6
Iron (II) sulfide CAS 1317-37-9
Glycerol CAS 56-81-8

Properties

Physical State: Liquid
Form: Viscous metallic suspension
Color: Dark gray
Odor: Slight
pH: Typically 7-9 as applied
Density: 15 lb/gal

Storage and Handling Guidelines

Storage:

- Use within four weeks of delivery
- Store in original containers
- Store at temperatures below 95F°
- Store away from incompatible materials

Handling:

- Never mix with oxidants or acids
- Wear appropriate personal protective equipment
- Do not taste or swallow
- Observe good industrial hygiene practices

Applications

S-MicroZVI is diluted with water on site and easily applied into the subsurface through low-pressure injections. S-MicroZVI can also be mixed with products like 3-D Microemulsion® or PlumeStop® prior to injection.

Health and Safety

The material is relatively safe to handle; however, avoid contact with eyes, skin and clothing. OSHA Level D personal protection equipment including: vinyl or rubber gloves and eye protection are recommended when handling this product. Please review the Safety Data Sheet for additional storage, and handling requirements here: S-MicroZVI SDS.

REGENESIS®

www.regenesis.com

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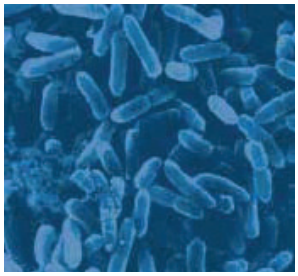
1011 Calle Sombra, San Clemente CA 92673 USA
Tel: +1 949.366.8000

European Offices (UK, Ireland, Belgium and Italy)
Email: europe@regenesis.com
Tel: +44 (0)1225 61 81 61

BDI PLUS® Technical Description

Bio-Dechlor INOCULUM Plus (BDI PLUS®) is an enriched natural consortium containing species of Dehalococcoides sp. (DHC). BDI PLUS has been shown to simulate the rapid and complete dechlorination of chlorinated solvents such as tetrachloroethene (PCE), trichloroethene (TCE), dichloroethene (DCE) and vinyl chloride (VC) to non-toxic end products, ethene, carbon dioxide and water.

The culture also contains microbes capable of dehalogenating halomethanes (e.g., carbon tetrachloride and chloroform) and haloethanes (e.g., 1,1,1-TCA and 1,1-DCA) as well as mixtures of these contaminants.



Species of Dehalococcoides sp. (DHC)

For a list of treatable contaminants with the use of BDI PLUS, view the Range of Treatable Contaminants Guide

Chemical Composition

- Non-hazardous, naturally-occurring, non-altered anaerobic microbes and enzymes in a water-based medium.

Properties

- Appearance – Murky, yellow to grey water
- Odor – Musty
- pH 6.0 to 8.0
- Density – Approximately 1.0 grams per cubic centimeter (0.9 to 1.1 g/cc)
- Solubility – Soluble in Water
- Vapor Pressure – None
- Non-hazardous

Storage and Handling Guidelines

Storage
Store in original tightly closed container
Store away from incompatible materials
Recommended storage containers: plastic lined steel, plastic, glass, aluminum, stainless steel, or reinforced fiberglass
Store in a cool, dry area at 4-5°C (39 - 41°F)
Material may be stored for up to 3 weeks at 2-4°C without aeration

Handling
Avoid prolonged exposure
Observe good industrial hygiene practices
Wear appropriate personal protective equipment

BDI PLUS® Technical Description

Applications

- BDI PLUS is delivered to the site in liquid form and is designed to be injected directly into the saturated zone requiring treatment.
- Most often diluted with de-oxygenated water prior to injection into either hydraulic push injection points or properly constructed injection wells.
- The typical dilution rate of the injected culture is 10 gallons of deoxygenated water to 1 liter of standard BDI PLUS culture.

Application instructions for this product are contained here BDI PLUS Application Instructions.

Health and Safety

Material is non-hazardous and relatively safe to handle; however avoid contact with eyes and prolonged contact with skin. OSHA Level D personal protection equipment including: vinyl or rubber gloves and safety goggles or a splash shield are recommended when handling this product. An eyewash station is recommended. Please review the Material Safety Data Sheet for additional storage, usage, and handling requirements here: BDI PLUS SDS.

REGENESIS

www.regenesis.com
1011 Calle Sombra, San Clemente CA 92673
949.366.8000