ENVIRONMENTAL WORKS

Science. Safety. Grit. Ingenuity.

November 3, 2022

By Email— Daniel.Hedrick@cityutilities.net

Mr. Daniel Hedrick
Director of Environmental Affairs
City Utilities of Springfield, Missouri
PO Box 551
Springfield, MO 65801-0551

Subject: **Submission of Laboratory Results for Fulbright Spring and Fulbright Well #1**
Greenfield Environmental Multistate Trust LLC—Springfield Facility
Former Tronox/Kerr-McGee Facility; 2800 West High St, Springfield, MO
MHWMF Part I Permit No. MOD007129406

Dear Mr. Hedrick:

As an authorized representative of the Greenfield Environmental Multistate Trust LLC, Trustee of the Multistate Environmental Response Trust (the Multistate Trust), I respectfully submit the laboratory results obtained from samples collected on August 11, 2022, from the City Utilities of Springfield's (City Utilities) Fulbright Spring and Fulbright Well #1 pursuant to the Missouri Department of Natural Resources (MoDNR)-approved Final Off-Facility Investigation Work Plan (dated July 31, 2019) for the Greenfield Environmental Multistate Trust LLC—Springfield Facility, also known as the Former Tronox/Kerr-McGee Facility located at 2800 West High Street, in Springfield, Missouri with Missouri Hazardous Waste Management Facility (MHWMF) Part I Permit No. MOD007129406.

The samples were submitted to Eurofins Lancaster Laboratories Env, LLC for semivolatile organic compound analysis by U.S. Environmental Protection Agency (EPA) Method 8270D and volatile organic compound analysis by EPA Method 8260C. Concentration of two non-Facility-related chemicals (bis(2-Ethylhexyl)phthalate and di-n-butylphthalate) were detected in samples collected from Fulbright Spring and Fulbright Well #1; however, these compounds were also detected in the laboratory method blank and the associated laboratory control samples were outside of acceptable limits. These results a should be consider biased high.

A table summarizing the laboratory analytical results, the laboratory reports (level 2 and level 4), and the data usability summary and validation report are enclosed.

If you have any questions or concerns, please contact me at (417) 616-6539 or bgarcia@environmentalworks.com, or Tasha Lewis, the Multistate Trust Program Director, at (602) 312-6993 or tl@g-etg.com.

Kind regards,

ENVIRONMENTAL WORKS, INC.

Barbara Garcia
Project Manager

Enclosures: Table 1. Summary of Laboratory Analytical Results
Laboratory Reports (Level 2 and Level 4)
Data Usability Summary and Validation Report

cc: Cynthia Brooks—Multistate Trust
Tim Davis—Greene County
Lauri Gorton—Multistate Trust
Jillian Hunt—MoDNR
Craig Kaufman—Multistate Trust
Errin Kemper—City of Springfield
Nathan Kraus—MoDNR
Tasha Lewis—Multistate Trust
Jan Millington—City of Springfield
Richard Nussbaum—MoDNR
Elizabeth Robertson—City Utilities
Abby Sawyer—MoDNR
Robert Wilson—City Utilities

Table 1. Summary of Analytical Results (Q3-2022)
Fulbright Spring and Fulbright Well #1
Springfield, Missouri

Station Name	CAS Number	Units	**GWPS**	Fulbright Spring	Fulbright Well 1	Fulbright Well 1	Quality Control Sample	Lab Method Blank
Field Sample ID				FBS010.082022	DUP-01.082022	FBW001.082022	FB-01.082022	MB 410-289040/7
Sample Type				Normal Sample	Duplicate Sample	Normal Sample	Field Blank	Lab Method Blank
Sample Date				8/11/22	8/11/22	8/11/22	8/11/22	8/11/22
VOCs[1,2]								
1,1,1-Trichloroethane	71-55-6	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	79-34-5	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	79-00-5	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	75-34-3	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethene	75-35-4	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trichlorobenzene	120-82-1	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trimethylbenzene	95-63-6	ug/l		<1	<1	<1	<1	<2
1,2-Dibromo-3-chloropropane	96-12-8	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromoethane	106-93-4	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichlorobenzene	95-50-1	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	107-06-2	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	78-87-5	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
1,3,5-Trimethylbenzene	108-67-8	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	541-73-1	ug/l		<0.68	<0.68	<0.68	<0.68	<0.68
1,4-Dichlorobenzene	106-46-7	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
2-Butanone	78-93-3	ug/l		<0.5	<0.5	<0.5	<0.5	<0.5
2-Hexanone	591-78-6	ug/l		<0.85	<0.85	<0.85	<0.85	<0.85
4-Methyl-2-pentanone	108-10-1	ug/l		<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	ug/l		<0.7	<0.7	<0.7	<0.7	<0.7
Benzene	71-43-2	ug/l	5	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	75-27-4	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
Bromoform	75-25-2	ug/l		<1	<1	<1	<1	<2
Bromomethane	74-83-9	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide	75-15-0	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Tetrachloride	56-23-5	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	108-90-7	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane	75-00-3	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	67-66-3	ug/l		<0.3	<0.3	<0.3	**1.3**	<0.3
Chloromethane	74-87-3	ug/l		<0.55	<0.55	<0.55	<0.55	<0.55
cis-1,2-Dichloroethene	156-59-2	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropene	10061-01-5	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
Cyclohexane	110-82-7	ug/l		<1	<1	<1	<1	<2
Dibromochloromethane	124-48-1	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	75-71-8	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	100-41-4	ug/l	700	<0.4	<0.4	<0.4	<0.4	<0.4
Freon 113	76-13-1	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
Isopropylbenzene	98-82-8	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Acetate	79-20-9	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Tertiary Butyl Ether	1634-04-4	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
Methylcyclohexane	108-87-2	ug/l		<0.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	75-09-2	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
Styrene	100-42-5	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
Tetrachloroethene	127-18-4	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	108-88-3	ug/l	1,000	<0.2	<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	156-60-5	ug/l		<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene	10061-02-6	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene	79-01-6	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	75-69-4	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2
Xylenes	1330-20-7	ug/l	10,000	<0.4	<0.4	<0.4	<0.4	<0.4

Table 1. Summary of Analytical Results (Q3-2022)
Fulbright Spring and Fulbright Well #1
Springfield, Missouri

Station Name	CAS Number	Units	**GWPS**	Fulbright Spring	Fulbright Well 1	Fulbright Well 1	Quality Control Sample	Lab Method Blank
Semi-VOCs[1,2]								
1,4-Dioxane	123-91-1	ug/l		<0.1	<0.1	<0.1	<0.13	<0.13
1-Methylnaphthalene	90-12-0	ug/l		<0.021	<0.021	<0.02	<0.026	<0.026
2,4-Dimethylphenol	105-67-9	ug/l	540	<3	<3	<3	<4	<4
2,4-Dinitrophenol	51-28-5	ug/l	70	<10	<10	<10	<20	<20
2-Chlorophenol	95-57-8	ug/l	0.5	<0.5	<0.5	<0.5	<0.7	<0.7
2-Methylnaphthalene	91-57-6	ug/l	36	<0.021	<0.021	<0.02	<0.026	<0.026
Acenaphthene	83-32-9	ug/l	1,200	<0.01	<0.01	<0.01	<0.013	<0.013
Acenaphthylene	208-96-8	ug/l		<0.01	<0.01	<0.01	<0.013	<0.013
Anthracene	120-12-7	ug/l	9,600	<0.01	<0.01	<0.01	<0.013	<0.013
Benzo(a)anthracene	56-55-3	ug/l	0.1	<0.01	<0.01	<0.01	<0.013	<0.013
Benzo(a)pyrene	50-32-8	ug/l	0.1	<0.01	<0.01	<0.01	<0.013	<0.013
Benzo(b)fluoranthene	205-99-2	ug/l	0.1	<0.01	<0.01	<0.01	<0.013	<0.013
Benzo(g,h,i)perylene	191-24-2	ug/l		<0.01	<0.01	<0.01	<0.013	<0.013
Benzo(k)fluoranthene	207-08-9	ug/l	0.1	<0.01	<0.01	<0.01	<0.013	<0.013
bis(2-Chloroethyl)ether	111-44-4	ug/l		<0.021	<0.021	<0.02	<0.026	<0.026
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l		**0.64 ^**	**0.5 J ^**	**0.43 J ^**	<0.066	**0.614 J**
Butylbenzylphthalate	85-68-7	ug/l		<0.052	<0.052	<0.051	<0.066	<0.066
Carbazole	86-74-8	ug/l		<0.5	<0.5	<0.5	<0.7	<0.7
Chrysene	218-01-9	ug/l	0.1	<0.01	<0.01	<0.01	<0.013	<0.013
Dibenz(a,h)anthracene	53-70-3	ug/l	0.1	<0.021	<0.021	<0.02	<0.026	<0.026
Dibenzofuran	132-64-9	ug/l	7.9	<0.01	<0.01	<0.01	<0.013	<0.013
Diethylphthalate	84-66-2	ug/l		<0.052	<0.052	**0.14 J**	<0.066	<0.066
Dimethylphthalate	131-11-3	ug/l		<0.052	<0.052	<0.051	<0.066	<0.066
Di-n-butylphthalate	84-74-2	ug/l		**16 ^**	**14 ^**	**11 ^**	**0.096 J**	**12.4**
Di-n-octylphthalate	117-84-0	ug/l		<0.052	<0.052	<0.051	<0.066	<0.066
Fluoranthene	206-44-0	ug/l	300	<0.01	<0.01	<0.01	<0.013	<0.013
Fluorene	86-73-7	ug/l	1,300	<0.01	<0.01	<0.01	<0.013	<0.013
Hexachlorobenzene	118-74-1	ug/l		<0.021	<0.021	<0.02	<0.026	<0.026
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	0.1	<0.021	<0.021	<0.02	<0.026	<0.026
Naphthalene	91-20-3	ug/l	20	<0.031	<0.031	<0.03	<0.04	<0.04
N-Nitrosodimethylamine	62-75-9	ug/l		<0.021	<0.021	<0.02	<0.026	<0.026
Phenanthrene	85-01-8	ug/l		<0.031	<0.031	<0.03	<0.04	<0.04
Phenol	108-95-2	ug/l	300	<0.5	<0.5	<0.5	<0.7	<0.7
Pyrene	129-00-0	ug/l	960	<0.01	<0.01	<0.01	<0.013	<0.013

NOTES:

[1] The Method Detection Limits (MDLs) reported by the laboratory are related to the sample volumes available for extraction. The slightly elevated MDLs are due to smaller sample volumes collected and submitted to the laboratory for analysis.

[2] There were no detections in the Trip Blanks. The results of the Trip Blanks are shown in the laboratory report.

Bold values are detections.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

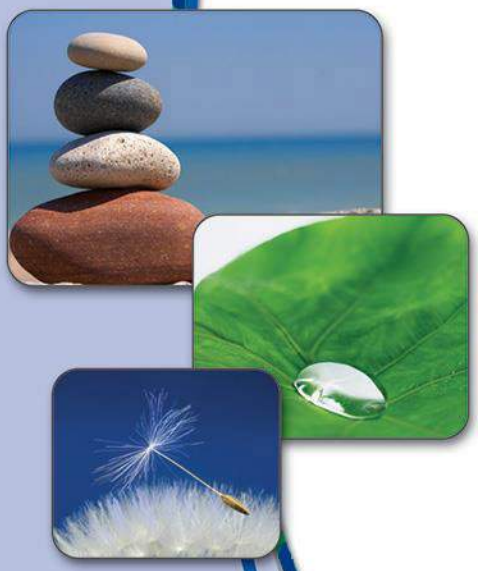
^ = Reported results may be biased high. See full lab report for additonal details on qualifers placed on method blanks and laboratory

ug/L = microgram per liter

< = less than

GWPS = groundwater protection standard

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-94417-1
Client Project/Site: Springfield, MO – OFIWP

For:
Environmental Works, Inc.
1455 East Chestnut Expressway
Springfield, Missouri 65802

Attn: Jack Jackson

Authorized for release by:
8/25/2022 2:29:11 AM

Nicole Brown, Project Manager
(717)471-3265
Nicole.Brown@et.eurofinsus.com

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Nicole Brown
Project Manager
8/25/2022 2:29:11 AM

Table of Contents

Client: Environmental Works, Inc. Job ID: 410-94417-1
Project/Site: Springfield, MO – OFIWP

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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: 410-94417-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-94417-1

Receipt
The samples were received on 8/12/2022 10:20 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 time was 2.0°C

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 410-289040 recovered outside acceptance criteria, low biased, for Bromomethane, Chloromethane, Cyclohexane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 410-286564 recovered above the upper control limit for 2,4-Dinitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples is: FB-01_082022 (410-94417-4).

Method 8270D: The continuing calibration verification (CCV) associated with batch 410-287356 recovered above the upper control limit for 2,4-Dinitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: FBS010_082022 (410-94417-1), FBW001_082022 (410-94417-2) and DUP-01_082022 (410-94417-3).

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-286632 recovered above the upper control limit for Butylbenzylphthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples is: FB-01_082022 (410-94417-4).

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-287573 recovered above the upper control limit for Butylbenzylphthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D_SIM: Di-n-butyl phthalate was detected above the reporting limit (RL) and Bis(2-ethylhexyl) phthalate was detected above the method detection limit (MDL in the method blank associated with preparation batch 410-287248 and analytical batch 410-287637 as well as in the following samples: FBS010_082022 (410-94417-1), FBW001_082022 (410-94417-2) and DUP-01_082022 (410-94417-3). All affected samples were re-extracted and/or re-analyzed outside of holding time. Both sets of data have been reported.

Method 8270D_SIM: The laboratory control sample (LCS) for preparation batch 410-287248 and analytical batch 410-287637 recovered outside control limits for the following analytes: Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

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

Detection Summary

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FBS010_082022 — Lab Sample ID: 410-94417-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate - RA	0.64	J B *+ cn	1.0	0.052	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate - RA	16	B *+ cn	1.0	0.052	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RE	0.77	J H B *+	1.1	0.054	ug/L	1		8270D SIM	Total/NA
Butylbenzylphthalate - RE	0.16	J H B	1.1	0.054	ug/L	1		8270D SIM	Total/NA

Client Sample ID: FBW001_082022 — Lab Sample ID: 410-94417-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethylphthalate	0.14	J	1.0	0.051	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RA	0.43	J B *+ cn	1.0	0.051	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate - RA	11	B *+ cn	1.0	0.051	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RE	0.53	J *+ H B	1.0	0.052	ug/L	1		8270D SIM	Total/NA

Client Sample ID: DUP-01_082022 — Lab Sample ID: 410-94417-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate - RA	0.50	J B *+ cn	1.0	0.052	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate - RA	14	B *+ cn	1.0	0.052	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RE	0.50	J H B *+	1.1	0.053	ug/L	1		8270D SIM	Total/NA
Butylbenzylphthalate - RE	0.16	J H B	1.1	0.053	ug/L	1		8270D SIM	Total/NA

Client Sample ID: FB-01_082022 — Lab Sample ID: 410-94417-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.3		1.0	0.30	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.096	J	1.3	0.066	ug/L	1		8270D SIM	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 410-94417-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FBS010_082022
Date Collected: 08/11/22 12:05
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-1
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		1.0	0.30	ug/L			08/24/22 16:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 16:10	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 16:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 16:10	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 16:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 16:10	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 16:10	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 16:10	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 16:10	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 16:10	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 16:10	1
Acetone	ND		20	0.70	ug/L			08/24/22 16:10	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 16:10	1
Bromomethane	ND	cn	1.0	0.30	ug/L			08/24/22 16:10	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 16:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Chloroform	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Chloromethane	ND	cn	2.0	0.55	ug/L			08/24/22 16:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			08/24/22 16:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 16:10	1
Freon 113	ND		10	0.30	ug/L			08/24/22 16:10	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 16:10	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 16:10	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 16:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 16:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 16:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 16:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			08/24/22 16:10	1

Client Sample ID: FBS010_082022
Date Collected: 08/11/22 12:05
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/24/22 16:10*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*08/24/22 16:10*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*08/24/22 16:10*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/24/22 16:10*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.31	0.10	ug/L		08/18/22 09:43	08/19/22 03:41	1
1-Methylnaphthalene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
2-Methylnaphthalene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Acenaphthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Acenaphthylene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Anthracene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Benzo[a]anthracene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Benzo[a]pyrene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Benzo[b]fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Benzo[g,h,i]perylene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Benzo[k]fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Bis(2-chloroethyl)ether	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Butylbenzylphthalate	ND	cn	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 03:41	1
Chrysene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Dibenz(a,h)anthracene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Dibenzofuran	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Diethylphthalate	ND		1.0	0.052	ug/L		08/18/22 09:43	08/19/22 03:41	1
Dimethylphthalate	ND	F2	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 03:41	1
Di-n-octyl phthalate	ND		1.0	0.052	ug/L		08/18/22 09:43	08/19/22 03:41	1
Fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Fluorene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Hexachlorobenzene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Indeno[1,2,3-cd]pyrene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Naphthalene	ND		0.073	0.031	ug/L		08/18/22 09:43	08/19/22 03:41	1
N-Nitrosodimethylamine	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Phenanthrene	ND		0.073	0.031	ug/L		08/18/22 09:43	08/19/22 03:41	1
Pyrene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*61*		*36 - 111*	*08/18/22 09:43*	*08/19/22 03:41*	*1*
Benzo(a)pyrene-d12 (Surr)	*72*		*10 - 110*	*08/18/22 09:43*	*08/19/22 03:41*	*1*
Fluoranthene-d10 (Surr)	*76*		*47 - 128*	*08/18/22 09:43*	*08/19/22 03:41*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.64**	**J B *+ cn**	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 06:19	1
Di-n-butyl phthalate	**16**	**B *+ cn**	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*61*		*36 - 111*	*08/18/22 09:43*	*08/19/22 06:19*	*1*
Benzo(a)pyrene-d12 (Surr)	*72*		*10 - 110*	*08/18/22 09:43*	*08/19/22 06:19*	*1*

Client Sample ID: FBS010_082022
Date Collected: 08/11/22 12:05
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-1
Matrix: Water

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluoranthene-d10 (Surr)	*70*		*47 - 128*	*08/18/22 09:43*	*08/19/22 06:19*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	H	0.32	0.11	ug/L		08/21/22 10:35	08/22/22 08:44	1
1-Methylnaphthalene	ND	H	0.054	0.021	ug/L		08/21/22 10:35	08/22/22 08:44	1
2-Methylnaphthalene	ND	H	0.054	0.021	ug/L		08/21/22 10:35	08/22/22 08:44	1
Acenaphthene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Acenaphthylene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Anthracene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Benzo[a]anthracene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Benzo[a]pyrene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Benzo[b]fluoranthene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Benzo[g,h,i]perylene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Benzo[k]fluoranthene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Bis(2-chloroethyl)ether	ND	H	0.054	0.021	ug/L		08/21/22 10:35	08/22/22 08:44	1
Bis(2-ethylhexyl) phthalate	**0.77**	**J H B *+**	1.1	0.054	ug/L		08/21/22 10:35	08/22/22 08:44	1
Butylbenzylphthalate	**0.16**	**J H B**	1.1	0.054	ug/L		08/21/22 10:35	08/22/22 08:44	1
Chrysene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Dibenz(a,h)anthracene	ND	H	0.054	0.021	ug/L		08/21/22 10:35	08/22/22 08:44	1
Dibenzofuran	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Diethylphthalate	ND	H	1.1	0.054	ug/L		08/21/22 10:35	08/22/22 08:44	1
Dimethylphthalate	ND	H	1.1	0.054	ug/L		08/21/22 10:35	08/22/22 08:44	1
Di-n-butyl phthalate	ND	H	1.1	0.054	ug/L		08/21/22 10:35	08/22/22 08:44	1
Di-n-octyl phthalate	ND	H	1.1	0.054	ug/L		08/21/22 10:35	08/22/22 08:44	1
Fluoranthene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Fluorene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1
Hexachlorobenzene	ND	H	0.054	0.021	ug/L		08/21/22 10:35	08/22/22 08:44	1
Indeno[1,2,3-cd]pyrene	ND	H	0.054	0.021	ug/L		08/21/22 10:35	08/22/22 08:44	1
Naphthalene	ND	H	0.075	0.032	ug/L		08/21/22 10:35	08/22/22 08:44	1
N-Nitrosodimethylamine	ND	H	0.054	0.021	ug/L		08/21/22 10:35	08/22/22 08:44	1
Phenanthrene	ND	H	0.075	0.032	ug/L		08/21/22 10:35	08/22/22 08:44	1
Pyrene	ND	H	0.054	0.011	ug/L		08/21/22 10:35	08/22/22 08:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene-d10 (Surr)	*74*		*36 - 111*	*08/21/22 10:35*	*08/22/22 08:44*	*1*
Benzo(a)pyrene-d12 (Surr)	*77*		*10 - 110*	*08/21/22 10:35*	*08/22/22 08:44*	*1*
Fluoranthene-d10 (Surr)	*82*		*47 - 128*	*08/21/22 10:35*	*08/22/22 08:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		08/18/22 09:50	08/19/22 00:52	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		08/18/22 09:50	08/19/22 00:52	1
2-Chlorophenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 00:52	1
Carbazole	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 00:52	1
Phenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 00:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*87*		*10 - 150*	*08/18/22 09:50*	*08/19/22 00:52*	*1*
2-Fluorobiphenyl (Surr)	*71*		*44 - 120*	*08/18/22 09:50*	*08/19/22 00:52*	*1*

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FBS010_082022
Date Collected: 08/11/22 12:05
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	47		10 - 120	08/18/22 09:50	08/19/22 00:52	1
Nitrobenzene-d5 (Surr)	86		25 - 125	08/18/22 09:50	08/19/22 00:52	1
Phenol-d5 (Surr)	35		10 - 120	08/18/22 09:50	08/19/22 00:52	1
p-Terphenyl-d14 (Surr)	96		37 - 120	08/18/22 09:50	08/19/22 00:52	1

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FBW001_082022
Date Collected: 08/11/22 11:43
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-2
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		1.0	0.30	ug/L			08/24/22 17:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 17:17	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 17:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 17:17	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 17:17	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 17:17	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 17:17	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 17:17	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 17:17	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 17:17	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 17:17	1
Acetone	ND		20	0.70	ug/L			08/24/22 17:17	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 17:17	1
Bromomethane	ND	cn	1.0	0.30	ug/L			08/24/22 17:17	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 17:17	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Chloroform	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Chloromethane	ND	cn	2.0	0.55	ug/L			08/24/22 17:17	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:17	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			08/24/22 17:17	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 17:17	1
Freon 113	ND		10	0.30	ug/L			08/24/22 17:17	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 17:17	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 17:17	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 17:17	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 17:17	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 17:17	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 17:17	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			08/24/22 17:17	1

Client Sample ID: FBW001_082022
Date Collected: 08/11/22 11:43
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/24/22 17:17*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*08/24/22 17:17*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*08/24/22 17:17*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/24/22 17:17*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		08/18/22 09:43	08/19/22 04:45	1
1-Methylnaphthalene	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
2-Methylnaphthalene	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Acenaphthene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Acenaphthylene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Anthracene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Benzo[a]anthracene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Benzo[a]pyrene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Benzo[b]fluoranthene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Benzo[g,h,i]perylene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Benzo[k]fluoranthene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Bis(2-chloroethyl)ether	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		08/18/22 09:43	08/19/22 04:45	1
Chrysene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Dibenz(a,h)anthracene	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Dibenzofuran	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Diethylphthalate	**0.14**	**J**	1.0	0.051	ug/L		08/18/22 09:43	08/19/22 04:45	1
Dimethylphthalate	ND		1.0	0.051	ug/L		08/18/22 09:43	08/19/22 04:45	1
Di-n-octyl phthalate	ND		1.0	0.051	ug/L		08/18/22 09:43	08/19/22 04:45	1
Fluoranthene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Fluorene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Hexachlorobenzene	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Naphthalene	ND		0.071	0.030	ug/L		08/18/22 09:43	08/19/22 04:45	1
N-Nitrosodimethylamine	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Phenanthrene	ND		0.071	0.030	ug/L		08/18/22 09:43	08/19/22 04:45	1
Pyrene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*57*		*36 - 111*	*08/18/22 09:43*	*08/19/22 04:45*	*1*
Benzo(a)pyrene-d12 (Surr)	*70*		*10 - 110*	*08/18/22 09:43*	*08/19/22 04:45*	*1*
Fluoranthene-d10 (Surr)	*74*		*47 - 128*	*08/18/22 09:43*	*08/19/22 04:45*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.43**	**J B *+ cn**	1.0	0.051	ug/L		08/18/22 09:43	08/19/22 07:24	1
Di-n-butyl phthalate	**11**	**B *+ cn**	1.0	0.051	ug/L		08/18/22 09:43	08/19/22 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*59*		*36 - 111*	*08/18/22 09:43*	*08/19/22 07:24*	*1*
Benzo(a)pyrene-d12 (Surr)	*71*		*10 - 110*	*08/18/22 09:43*	*08/19/22 07:24*	*1*

Client Sample ID: FBW001_082022
Date Collected: 08/11/22 11:43
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-2
Matrix: Water

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluoranthene-d10 (Surr)	*68*		*47 - 128*	*08/18/22 09:43*	*08/19/22 07:24*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	H	0.31	0.10	ug/L		08/21/22 10:35	08/22/22 10:52	1
1-Methylnaphthalene	ND	H	0.052	0.021	ug/L		08/21/22 10:35	08/22/22 10:52	1
2-Methylnaphthalene	ND	H	0.052	0.021	ug/L		08/21/22 10:35	08/22/22 10:52	1
Acenaphthene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Acenaphthylene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Anthracene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Benzo[a]anthracene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Benzo[a]pyrene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Benzo[b]fluoranthene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Benzo[g,h,i]perylene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Benzo[k]fluoranthene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Bis(2-chloroethyl)ether	ND	H	0.052	0.021	ug/L		08/21/22 10:35	08/22/22 10:52	1
Bis(2-ethylhexyl) phthalate	**0.53**	**J *+ H B**	1.0	0.052	ug/L		08/21/22 10:35	08/22/22 10:52	1
Butylbenzylphthalate	ND	H	1.0	0.052	ug/L		08/21/22 10:35	08/22/22 10:52	1
Chrysene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Dibenz(a,h)anthracene	ND	H	0.052	0.021	ug/L		08/21/22 10:35	08/22/22 10:52	1
Dibenzofuran	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Diethylphthalate	ND	H	1.0	0.052	ug/L		08/21/22 10:35	08/22/22 10:52	1
Dimethylphthalate	ND	H	1.0	0.052	ug/L		08/21/22 10:35	08/22/22 10:52	1
Di-n-butyl phthalate	ND	H	1.0	0.052	ug/L		08/21/22 10:35	08/22/22 10:52	1
Di-n-octyl phthalate	ND	H	1.0	0.052	ug/L		08/21/22 10:35	08/22/22 10:52	1
Fluoranthene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Fluorene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1
Hexachlorobenzene	ND	H	0.052	0.021	ug/L		08/21/22 10:35	08/22/22 10:52	1
Indeno[1,2,3-cd]pyrene	ND	H	0.052	0.021	ug/L		08/21/22 10:35	08/22/22 10:52	1
Naphthalene	ND	H	0.072	0.031	ug/L		08/21/22 10:35	08/22/22 10:52	1
N-Nitrosodimethylamine	ND	H	0.052	0.021	ug/L		08/21/22 10:35	08/22/22 10:52	1
Phenanthrene	ND	H	0.072	0.031	ug/L		08/21/22 10:35	08/22/22 10:52	1
Pyrene	ND	H	0.052	0.010	ug/L		08/21/22 10:35	08/22/22 10:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene-d10 (Surr)	*74*		*36 - 111*	*08/21/22 10:35*	*08/22/22 10:52*	*1*
Benzo(a)pyrene-d12 (Surr)	*78*		*10 - 110*	*08/21/22 10:35*	*08/22/22 10:52*	*1*
Fluoranthene-d10 (Surr)	*82*		*47 - 128*	*08/21/22 10:35*	*08/22/22 10:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		08/18/22 09:50	08/19/22 01:55	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		08/18/22 09:50	08/19/22 01:55	1
2-Chlorophenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 01:55	1
Carbazole	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 01:55	1
Phenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*08/18/22 09:50*	*08/19/22 01:55*	*1*
2-Fluorobiphenyl (Surr)	*66*		*44 - 120*	*08/18/22 09:50*	*08/19/22 01:55*	*1*

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FBW001_082022
Date Collected: 08/11/22 11:43
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	43		10 - 120	08/18/22 09:50	08/19/22 01:55	1
Nitrobenzene-d5 (Surr)	80		25 - 125	08/18/22 09:50	08/19/22 01:55	1
Phenol-d5 (Surr)	32		10 - 120	08/18/22 09:50	08/19/22 01:55	1
p-Terphenyl-d14 (Surr)	90		37 - 120	08/18/22 09:50	08/19/22 01:55	1

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: DUP-01_082022
Date Collected: 08/11/22 08:00
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-3
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		1.0	0.30	ug/L			08/24/22 17:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 17:39	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 17:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 17:39	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 17:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 17:39	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 17:39	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 17:39	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 17:39	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 17:39	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 17:39	1
Acetone	ND		20	0.70	ug/L			08/24/22 17:39	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 17:39	1
Bromomethane	ND	cn	1.0	0.30	ug/L			08/24/22 17:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 17:39	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Chloroform	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Chloromethane	ND	cn	2.0	0.55	ug/L			08/24/22 17:39	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			08/24/22 17:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 17:39	1
Freon 113	ND		10	0.30	ug/L			08/24/22 17:39	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 17:39	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 17:39	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 17:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 17:39	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 17:39	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 17:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			08/24/22 17:39	1

Client Sample ID: DUP-01_082022
Date Collected: 08/11/22 08:00
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/24/22 17:39*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*08/24/22 17:39*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*08/24/22 17:39*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/24/22 17:39*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.31	0.10	ug/L		08/18/22 09:43	08/19/22 05:06	1
1-Methylnaphthalene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
2-Methylnaphthalene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Acenaphthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Acenaphthylene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Anthracene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Benzo[a]anthracene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Benzo[a]pyrene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Benzo[b]fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Benzo[g,h,i]perylene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Benzo[k]fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Bis(2-chloroethyl)ether	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Butylbenzylphthalate	ND	cn	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 05:06	1
Chrysene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Dibenz(a,h)anthracene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Dibenzofuran	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Diethylphthalate	ND		1.0	0.052	ug/L		08/18/22 09:43	08/19/22 05:06	1
Dimethylphthalate	ND		1.0	0.052	ug/L		08/18/22 09:43	08/19/22 05:06	1
Di-n-octyl phthalate	ND		1.0	0.052	ug/L		08/18/22 09:43	08/19/22 05:06	1
Fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Fluorene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Hexachlorobenzene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Indeno[1,2,3-cd]pyrene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Naphthalene	ND		0.073	0.031	ug/L		08/18/22 09:43	08/19/22 05:06	1
N-Nitrosodimethylamine	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Phenanthrene	ND		0.073	0.031	ug/L		08/18/22 09:43	08/19/22 05:06	1
Pyrene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*57*		*36 - 111*	*08/18/22 09:43*	*08/19/22 05:06*	*1*
Benzo(a)pyrene-d12 (Surr)	*68*		*10 - 110*	*08/18/22 09:43*	*08/19/22 05:06*	*1*
Fluoranthene-d10 (Surr)	*79*		*47 - 128*	*08/18/22 09:43*	*08/19/22 05:06*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.50**	**J B *+ cn**	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 07:46	1
Di-n-butyl phthalate	**14**	**B *+ cn**	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 07:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*59*		*36 - 111*	*08/18/22 09:43*	*08/19/22 07:46*	*1*
Benzo(a)pyrene-d12 (Surr)	*69*		*10 - 110*	*08/18/22 09:43*	*08/19/22 07:46*	*1*

Client Sample ID: DUP-01_082022
Date Collected: 08/11/22 08:00
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-3
Matrix: Water

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluoranthene-d10 (Surr)	*73*		*47 - 128*	*08/18/22 09:43*	*08/19/22 07:46*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	H	0.32	0.11	ug/L		08/21/22 10:35	08/22/22 11:14	1
1-Methylnaphthalene	ND	H	0.053	0.021	ug/L		08/21/22 10:35	08/22/22 11:14	1
2-Methylnaphthalene	ND	H	0.053	0.021	ug/L		08/21/22 10:35	08/22/22 11:14	1
Acenaphthene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Acenaphthylene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Anthracene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Benzo[a]anthracene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Benzo[a]pyrene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Benzo[b]fluoranthene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Benzo[g,h,i]perylene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Benzo[k]fluoranthene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Bis(2-chloroethyl)ether	ND	H	0.053	0.021	ug/L		08/21/22 10:35	08/22/22 11:14	1
Bis(2-ethylhexyl) phthalate	**0.50**	**J H B *+**	1.1	0.053	ug/L		08/21/22 10:35	08/22/22 11:14	1
Butylbenzylphthalate	**0.16**	**J H B**	1.1	0.053	ug/L		08/21/22 10:35	08/22/22 11:14	1
Chrysene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Dibenz(a,h)anthracene	ND	H	0.053	0.021	ug/L		08/21/22 10:35	08/22/22 11:14	1
Dibenzofuran	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Diethylphthalate	ND	H	1.1	0.053	ug/L		08/21/22 10:35	08/22/22 11:14	1
Dimethylphthalate	ND	H	1.1	0.053	ug/L		08/21/22 10:35	08/22/22 11:14	1
Di-n-butyl phthalate	ND	H	1.1	0.053	ug/L		08/21/22 10:35	08/22/22 11:14	1
Di-n-octyl phthalate	ND	H	1.1	0.053	ug/L		08/21/22 10:35	08/22/22 11:14	1
Fluoranthene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Fluorene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1
Hexachlorobenzene	ND	H	0.053	0.021	ug/L		08/21/22 10:35	08/22/22 11:14	1
Indeno[1,2,3-cd]pyrene	ND	H	0.053	0.021	ug/L		08/21/22 10:35	08/22/22 11:14	1
Naphthalene	ND	H	0.074	0.032	ug/L		08/21/22 10:35	08/22/22 11:14	1
N-Nitrosodimethylamine	ND	H	0.053	0.021	ug/L		08/21/22 10:35	08/22/22 11:14	1
Phenanthrene	ND	H	0.074	0.032	ug/L		08/21/22 10:35	08/22/22 11:14	1
Pyrene	ND	H	0.053	0.011	ug/L		08/21/22 10:35	08/22/22 11:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene-d10 (Surr)	*77*		*36 - 111*	*08/21/22 10:35*	*08/22/22 11:14*	*1*
Benzo(a)pyrene-d12 (Surr)	*85*		*10 - 110*	*08/21/22 10:35*	*08/22/22 11:14*	*1*
Fluoranthene-d10 (Surr)	*86*		*47 - 128*	*08/21/22 10:35*	*08/22/22 11:14*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		08/18/22 09:50	08/19/22 02:16	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		08/18/22 09:50	08/19/22 02:16	1
2-Chlorophenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 02:16	1
Carbazole	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 02:16	1
Phenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*91*		*10 - 150*	*08/18/22 09:50*	*08/19/22 02:16*	*1*
2-Fluorobiphenyl (Surr)	*67*		*44 - 120*	*08/18/22 09:50*	*08/19/22 02:16*	*1*

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: DUP-01_082022
Date Collected: 08/11/22 08:00
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	46		10 - 120	08/18/22 09:50	08/19/22 02:16	1
Nitrobenzene-d5 (Surr)	82		25 - 125	08/18/22 09:50	08/19/22 02:16	1
Phenol-d5 (Surr)	35		10 - 120	08/18/22 09:50	08/19/22 02:16	1
p-Terphenyl-d14 (Surr)	100		37 - 120	08/18/22 09:50	08/19/22 02:16	1

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FB-01_082022
Date Collected: 08/11/22 11:45
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-4
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		1.0	0.30	ug/L			08/24/22 12:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 12:08	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 12:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 12:08	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 12:08	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 12:08	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 12:08	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 12:08	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 12:08	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 12:08	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 12:08	1
Acetone	ND		20	0.70	ug/L			08/24/22 12:08	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 12:08	1
Bromomethane	ND	cn	1.0	0.30	ug/L			08/24/22 12:08	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 12:08	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Chloroform	**1.3**		1.0	0.30	ug/L			08/24/22 12:08	1
Chloromethane	ND	cn	2.0	0.55	ug/L			08/24/22 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:08	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			08/24/22 12:08	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 12:08	1
Freon 113	ND		10	0.30	ug/L			08/24/22 12:08	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 12:08	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 12:08	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 12:08	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 12:08	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 12:08	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 12:08	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			08/24/22 12:08	1

Client Sample ID: FB-01_082022
Date Collected: 08/11/22 11:45
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*08/24/22 12:08*	*1*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*08/24/22 12:08*	*1*
Dibromofluoromethane (Surr)	*120*		*80 - 120*		*08/24/22 12:08*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/24/22 12:08*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.13	ug/L		08/16/22 09:09	08/17/22 02:53	1
1-Methylnaphthalene	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
2-Methylnaphthalene	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Acenaphthene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Acenaphthylene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Anthracene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Benzo[a]anthracene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Benzo[a]pyrene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Benzo[b]fluoranthene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Benzo[g,h,i]perylene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Benzo[k]fluoranthene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Bis(2-chloroethyl)ether	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Butylbenzylphthalate	ND	cn	1.3	0.066	ug/L		08/16/22 09:09	08/17/22 02:53	1
Chrysene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Dibenz(a,h)anthracene	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Dibenzofuran	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Diethylphthalate	ND		1.3	0.066	ug/L		08/16/22 09:09	08/17/22 02:53	1
Dimethylphthalate	ND		1.3	0.066	ug/L		08/16/22 09:09	08/17/22 02:53	1
Di-n-butyl phthalate	**0.096**	**J**	1.3	0.066	ug/L		08/16/22 09:09	08/17/22 02:53	1
Di-n-octyl phthalate	ND		1.3	0.066	ug/L		08/16/22 09:09	08/17/22 02:53	1
Fluoranthene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Fluorene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Hexachlorobenzene	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Indeno[1,2,3-cd]pyrene	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Naphthalene	ND		0.093	0.040	ug/L		08/16/22 09:09	08/17/22 02:53	1
N-Nitrosodimethylamine	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Phenanthrene	ND		0.093	0.040	ug/L		08/16/22 09:09	08/17/22 02:53	1
Pyrene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*62*		*36 - 111*	*08/16/22 09:09*	*08/17/22 02:53*	*1*
Benzo(a)pyrene-d12 (Surr)	*76*		*10 - 110*	*08/16/22 09:09*	*08/17/22 02:53*	*1*
Fluoranthene-d10 (Surr)	*76*		*47 - 128*	*08/16/22 09:09*	*08/17/22 02:53*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		1.3	0.066	ug/L		08/16/22 09:09	08/17/22 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*67*		*36 - 111*	*08/16/22 09:09*	*08/17/22 20:58*	*1*
Benzo(a)pyrene-d12 (Surr)	*74*		*10 - 110*	*08/16/22 09:09*	*08/17/22 20:58*	*1*

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FB-01_082022
Date Collected: 08/11/22 11:45
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-4
Matrix: Water

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*73*		*47 - 128*	*08/16/22 09:09*	*08/17/22 20:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	4	ug/L		08/16/22 09:10	08/16/22 23:11	1
2,4-Dinitrophenol	ND	cn	40	20	ug/L		08/16/22 09:10	08/16/22 23:11	1
2-Chlorophenol	ND		3	0.7	ug/L		08/16/22 09:10	08/16/22 23:11	1
Carbazole	ND		3	0.7	ug/L		08/16/22 09:10	08/16/22 23:11	1
Phenol	ND		3	0.7	ug/L		08/16/22 09:10	08/16/22 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 150*	*08/16/22 09:10*	*08/16/22 23:11*	*1*
2-Fluorobiphenyl (Surr)	*75*		*44 - 120*	*08/16/22 09:10*	*08/16/22 23:11*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 120*	*08/16/22 09:10*	*08/16/22 23:11*	*1*
Nitrobenzene-d5 (Surr)	*73*		*25 - 125*	*08/16/22 09:10*	*08/16/22 23:11*	*1*
Phenol-d5 (Surr)	*40*		*10 - 120*	*08/16/22 09:10*	*08/16/22 23:11*	*1*
p-Terphenyl-d14 (Surr)	*98*		*37 - 120*	*08/16/22 09:10*	*08/16/22 23:11*	*1*

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: Trip Blank
Date Collected: 08/11/22 00:00
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-5
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		1.0	0.30	ug/L			08/24/22 12:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 12:30	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 12:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 12:30	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 12:30	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 12:30	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 12:30	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 12:30	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 12:30	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 12:30	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 12:30	1
Acetone	ND		20	0.70	ug/L			08/24/22 12:30	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 12:30	1
Bromomethane	ND	cn	1.0	0.30	ug/L			08/24/22 12:30	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 12:30	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Chloroform	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Chloromethane	ND	cn	2.0	0.55	ug/L			08/24/22 12:30	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			08/24/22 12:30	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 12:30	1
Freon 113	ND		10	0.30	ug/L			08/24/22 12:30	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 12:30	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 12:30	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 12:30	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 12:30	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 12:30	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 12:30	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			08/24/22 12:30	1

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: Trip Blank
Date Collected: 08/11/22 00:00
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*08/24/22 12:30*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*08/24/22 12:30*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*08/24/22 12:30*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/24/22 12:30*	*1*

Action Limit Summary

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FBS010_082022 — Lab Sample ID: 410-94417-1

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND		ug/L	36	0.052	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.052	8270D SIM	Total/NA
Anthracene	ND		ug/L	9600	0.052	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.052	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.052	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.052	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.073	8270D SIM	Total/NA
Pyrene	ND		ug/L	960	0.052	8270D SIM	Total/NA
2-Methylnaphthalene - RE	ND	H	ug/L	36	0.054	8270D SIM	Total/NA
Acenaphthene - RE	ND	H	ug/L	1200	0.054	8270D SIM	Total/NA
Anthracene - RE	ND	H	ug/L	9600	0.054	8270D SIM	Total/NA
Benzo[a]anthracene - RE	ND	H	ug/L	0.1	0.054	8270D SIM	Total/NA
Benzo[a]pyrene - RE	ND	H	ug/L	0.1	0.054	8270D SIM	Total/NA
Benzo[b]fluoranthene - RE	ND	H	ug/L	0.1	0.054	8270D SIM	Total/NA
Benzo[k]fluoranthene - RE	ND	H	ug/L	0.1	0.054	8270D SIM	Total/NA
Chrysene - RE	ND	H	ug/L	0.1	0.054	8270D SIM	Total/NA
Dibenz(a,h)anthracene - RE	ND	H	ug/L	0.1	0.054	8270D SIM	Total/NA
Dibenzofuran - RE	ND	H	ug/L	7.9	0.054	8270D SIM	Total/NA
Fluoranthene - RE	ND	H	ug/L	300	0.054	8270D SIM	Total/NA
Fluorene - RE	ND	H	ug/L	1300	0.054	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene - RE	ND	H	ug/L	0.1	0.054	8270D SIM	Total/NA
Naphthalene - RE	ND	H	ug/L	20	0.075	8270D SIM	Total/NA
Pyrene - RE	ND	H	ug/L	960	0.054	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: FBW001_082022 — Lab Sample ID: 410-94417-2

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA

Client Sample ID: FBW001_082022 (Continued)

Lab Sample ID: 410-94417-2

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND		ug/L	36	0.051	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.051	8270D SIM	Total/NA
Anthracene	ND		ug/L	9600	0.051	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.051	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.051	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.051	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.071	8270D SIM	Total/NA
Pyrene	ND		ug/L	960	0.051	8270D SIM	Total/NA
2-Methylnaphthalene - RE	ND	H	ug/L	36	0.052	8270D SIM	Total/NA
Acenaphthene - RE	ND	H	ug/L	1200	0.052	8270D SIM	Total/NA
Anthracene - RE	ND	H	ug/L	9600	0.052	8270D SIM	Total/NA
Benzo[a]anthracene - RE	ND	H	ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[a]pyrene - RE	ND	H	ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[b]fluoranthene - RE	ND	H	ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[k]fluoranthene - RE	ND	H	ug/L	0.1	0.052	8270D SIM	Total/NA
Chrysene - RE	ND	H	ug/L	0.1	0.052	8270D SIM	Total/NA
Dibenz(a,h)anthracene - RE	ND	H	ug/L	0.1	0.052	8270D SIM	Total/NA
Dibenzofuran - RE	ND	H	ug/L	7.9	0.052	8270D SIM	Total/NA
Fluoranthene - RE	ND	H	ug/L	300	0.052	8270D SIM	Total/NA
Fluorene - RE	ND	H	ug/L	1300	0.052	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene - RE	ND	H	ug/L	0.1	0.052	8270D SIM	Total/NA
Naphthalene - RE	ND	H	ug/L	20	0.072	8270D SIM	Total/NA
Pyrene - RE	ND	H	ug/L	960	0.052	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: DUP-01_082022

Lab Sample ID: 410-94417-3

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND		ug/L	36	0.052	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.052	8270D SIM	Total/NA

Client Sample ID: DUP-01_082022 (Continued)

Lab Sample ID: 410-94417-3

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Anthracene	ND		ug/L	9600	0.052	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.052	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.052	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.052	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.073	8270D SIM	Total/NA
Pyrene	ND		ug/L	960	0.052	8270D SIM	Total/NA
2-Methylnaphthalene - RE	ND	H	ug/L	36	0.053	8270D SIM	Total/NA
Acenaphthene - RE	ND	H	ug/L	1200	0.053	8270D SIM	Total/NA
Anthracene - RE	ND	H	ug/L	9600	0.053	8270D SIM	Total/NA
Benzo[a]anthracene - RE	ND	H	ug/L	0.1	0.053	8270D SIM	Total/NA
Benzo[a]pyrene - RE	ND	H	ug/L	0.1	0.053	8270D SIM	Total/NA
Benzo[b]fluoranthene - RE	ND	H	ug/L	0.1	0.053	8270D SIM	Total/NA
Benzo[k]fluoranthene - RE	ND	H	ug/L	0.1	0.053	8270D SIM	Total/NA
Chrysene - RE	ND	H	ug/L	0.1	0.053	8270D SIM	Total/NA
Dibenz(a,h)anthracene - RE	ND	H	ug/L	0.1	0.053	8270D SIM	Total/NA
Dibenzofuran - RE	ND	H	ug/L	7.9	0.053	8270D SIM	Total/NA
Fluoranthene - RE	ND	H	ug/L	300	0.053	8270D SIM	Total/NA
Fluorene - RE	ND	H	ug/L	1300	0.053	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene - RE	ND	H	ug/L	0.1	0.053	8270D SIM	Total/NA
Naphthalene - RE	ND	H	ug/L	20	0.074	8270D SIM	Total/NA
Pyrene - RE	ND	H	ug/L	960	0.053	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: FB-01_082022

Lab Sample ID: 410-94417-4

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND		ug/L	36	0.066	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.066	8270D SIM	Total/NA
Anthracene	ND		ug/L	9600	0.066	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA

Client Sample ID: FB-01_082022 (Continued)

Lab Sample ID: 410-94417-4

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzo[b]fluoranthene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.066	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.066	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.066	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.093	8270D SIM	Total/NA
Pyrene	ND		ug/L	960	0.066	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	40	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	3	8270D	Total/NA
Phenol	ND		ug/L	300	3	8270D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 410-94417-5

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA

Surrogate Summary

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

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	(80-120)	(80-120)	(80-120)	(80-120)
410-94417-1	FBS010_082022	109	88	119	95
410-94417-1 MS	FBS010-MS_082022	105	102	109	101
410-94417-1 MSD	FBS010-MSD_082022	105	101	107	101
410-94417-2	FBW001_082022	109	90	117	96
410-94417-3	DUP-01_082022	109	90	118	96
410-94417-4	FB-01_082022	107	87	120	95
410-94417-5	Trip Blank	110	89	119	95
LCS 410-289040/4	Lab Control Sample	107	100	108	101
LCSD 410-289040/5	Lab Control Sample Dup	104	101	109	102
MB 410-289040/7	Method Blank	107	90	116	95

Surrogate Legend

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

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(10-150)	(44-120)	(10-120)	(25-125)	(10-120)	(37-120)
410-94417-1	FBS010_082022	87	71	47	86	35	96
410-94417-1 MS	FBS010-MS_082022	95	78	60	87	48	87
410-94417-1 MSD	FBS010-MSD_082022	90	79	60	86	48	87
410-94417-2	FBW001_082022	81	66	43	80	32	90
410-94417-3	DUP-01_082022	91	67	46	82	35	100
410-94417-4	FB-01_082022	97	75	51	73	40	98
LCS 410-286371/2-A	Lab Control Sample	95	81	51	78	39	101
LCS 410-287252/2-A	Lab Control Sample	88	72	55	78	44	94
LCSD 410-286371/3-A	Lab Control Sample Dup	81	69	52	69	40	80
LCSD 410-287252/3-A	Lab Control Sample Dup	96	80	58	84	45	102
MB 410-286371/1-A	Method Blank	92	70	49	71	36	95
MB 410-287252/1-A	Method Blank	83	69	46	75	35	94

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		MNPd10	BAPd12	FLN10
Lab Sample ID	Client Sample ID	(36-111)	(10-110)	(47-128)
410-94417-1	FBS010_082022	61	72	76

Surrogate Summary

Client: Environmental Works, Inc.
Job ID: 410-94417-1
Project/Site: Springfield, MO – OFIWP

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		MNPd10	BAPd12	FLN10
Lab Sample ID	Client Sample ID	(36-111)	(10-110)	(47-128)
410-94417-1 - RA	FBS010_082022	61	72	70
410-94417-1 - RE	FBS010_082022	74	77	82
410-94417-1 MS	FBS010-MS_082022	65	84	81
410-94417-1 MS - RA	FBS010-MS_082022	65	80	75
410-94417-1 MS - RE	FBS010-MS_082022	69	78	81
410-94417-1 MSD	FBS010-MSD_082022	67	80	83
410-94417-1 MSD - RA	FBS010-MSD_082022	67	78	77
410-94417-1 MSD - RE	FBS010-MSD_082022	71	79	81
410-94417-2	FBW001_082022	57	70	74
410-94417-2 - RA	FBW001_082022	59	71	68
410-94417-2 - RE	FBW001_082022	74	78	82
410-94417-3	DUP-01_082022	57	68	79
410-94417-3 - RA	DUP-01_082022	59	69	73
410-94417-3 - RE	DUP-01_082022	77	85	86
410-94417-4	FB-01_082022	62	76	76
410-94417-4 - RA	FB-01_082022	67	74	73
LCS 410-286366/2-A	Lab Control Sample	67	86	80
LCS 410-287248/2-A	Lab Control Sample	62	82	77
LCS 410-287248/2-A	Lab Control Sample	64	83	73
LCS 410-288127/2-A	Lab Control Sample	68	87	83
LCSD 410-286366/3-A	Lab Control Sample Dup	67	88	80
LCSD 410-287248/3-A	Lab Control Sample Dup	59	75	70
LCSD 410-287248/3-A	Lab Control Sample Dup	60	74	68
LCSD 410-288127/3-A	Lab Control Sample Dup	71	88	82
MB 410-286366/1-A	Method Blank	66	80	79
MB 410-286366/1-A - RA	Method Blank	73	85	78
MB 410-287248/1-A	Method Blank	60	72	72
MB 410-287248/1-A	Method Blank	63	75	65
MB 410-288127/1-A	Method Blank	74	87	84

Surrogate Legend

MNPd10 = 1-Methylnaphthalene-d10 (Surr)
BAPd12 = Benzo(a)pyrene-d12 (Surr)
FLN10 = Fluoranthene-d10 (Surr)

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

Lab Sample ID: MB 410-289040/7
Matrix: Water
Analysis Batch: 289040

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	0.30	ug/L			08/24/22 10:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 10:55	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 10:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 10:55	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 10:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 10:55	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 10:55	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 10:55	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 10:55	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 10:55	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 10:55	1
Acetone	ND		20	0.70	ug/L			08/24/22 10:55	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 10:55	1
Bromomethane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 10:55	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Chloroform	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Chloromethane	ND		2.0	0.55	ug/L			08/24/22 10:55	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Cyclohexane	ND		5.0	1.0	ug/L			08/24/22 10:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 10:55	1
Freon 113	ND		10	0.30	ug/L			08/24/22 10:55	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 10:55	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 10:55	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 10:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 10:55	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 10:55	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 10:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1

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

Lab Sample ID: MB 410-289040/7
Matrix: Water
Analysis Batch: 289040

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*08/24/22 10:55*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*08/24/22 10:55*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*08/24/22 10:55*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/24/22 10:55*	*1*

Lab Sample ID: LCS 410-289040/4
Matrix: Water
Analysis Batch: 289040

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.5		ug/L		108	67 - 126
1,1,2,2-Tetrachloroethane	20.0	18.5		ug/L		93	72 - 120
1,1,2-Trichloroethane	20.0	19.7		ug/L		99	80 - 120
1,1-Dichloroethane	20.0	19.5		ug/L		97	80 - 120
1,1-Dichloroethene	20.0	20.0		ug/L		100	80 - 131
1,2,4-Trichlorobenzene	20.0	16.9		ug/L		84	63 - 120
1,2,4-Trimethylbenzene	20.0	18.2		ug/L		91	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.2		ug/L		81	47 - 131
1,2-Dibromoethane	20.0	20.0		ug/L		100	77 - 120
1,2-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120
1,2-Dichloroethane	20.0	21.4		ug/L		107	73 - 124
1,2-Dichloropropane	20.0	18.8		ug/L		94	80 - 120
1,3,5-Trimethylbenzene	20.0	17.9		ug/L		90	75 - 120
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.5		ug/L		98	80 - 120
2-Butanone	250	255		ug/L		102	59 - 135
2-Hexanone	250	271		ug/L		109	56 - 135
4-Methyl-2-pentanone	250	257		ug/L		103	62 - 133
Acetone	250	265		ug/L		106	54 - 157
Benzene	20.0	19.6		ug/L		98	80 - 120
Bromodichloromethane	20.0	20.6		ug/L		103	71 - 120
Bromoform	20.0	19.9		ug/L		99	51 - 120
Bromomethane	20.0	15.7		ug/L		78	53 - 128
Carbon disulfide	20.0	19.9		ug/L		99	65 - 128
Carbon tetrachloride	20.0	22.7		ug/L		113	64 - 134
Chlorobenzene	20.0	19.2		ug/L		96	80 - 120
Chloroethane	20.0	17.4		ug/L		87	55 - 123
Chloroform	20.0	20.8		ug/L		104	80 - 120
Chloromethane	20.0	16.3		ug/L		81	56 - 121
cis-1,2-Dichloroethene	20.0	21.1		ug/L		106	80 - 125
cis-1,3-Dichloropropene	20.0	18.5		ug/L		92	75 - 120
Cyclohexane	20.0	16.5		ug/L		83	68 - 126
Dibromochloromethane	20.0	20.0		ug/L		100	71 - 120
Dichlorodifluoromethane	20.0	18.4		ug/L		92	41 - 127

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

Lab Sample ID: LCS 410-289040/4
Matrix: Water
Analysis Batch: 289040

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene			20.0	18.6		ug/L		93	80 - 120		
Freon 113			20.0	19.1		ug/L		96	73 - 139		
Isopropylbenzene			20.0	18.5		ug/L		93	80 - 120		
Methyl acetate			20.0	23.5		ug/L		118	54 - 136		
Methyl tertiary butyl ether			20.0	19.7		ug/L		99	69 - 122		
Methylcyclohexane			20.0	17.2		ug/L		86	67 - 121		
Methylene Chloride			20.0	20.3		ug/L		101	80 - 120		
Styrene			20.0	19.4		ug/L		97	80 - 120		
Tetrachloroethene			20.0	19.9		ug/L		100	80 - 120		
Toluene			20.0	18.8		ug/L		94	80 - 120		
trans-1,2-Dichloroethene			20.0	20.2		ug/L		101	80 - 126		
trans-1,3-Dichloropropene			20.0	19.8		ug/L		99	67 - 120		
Trichloroethene			20.0	19.6		ug/L		98	80 - 120		
Trichlorofluoromethane			20.0	19.3		ug/L		97	55 - 135		
Vinyl chloride			20.0	14.8		ug/L		74	56 - 120		
Xylenes, Total			60.0	56.8		ug/L		95	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*108*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 410-289040/5
Matrix: Water
Analysis Batch: 289040

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	20.7		ug/L		103	67 - 126	4	30
1,1,2,2-Tetrachloroethane			20.0	17.9		ug/L		89	72 - 120	4	30
1,1,2-Trichloroethane			20.0	18.9		ug/L		94	80 - 120	5	30
1,1-Dichloroethane			20.0	19.2		ug/L		96	80 - 120	1	30
1,1-Dichloroethene			20.0	19.7		ug/L		98	80 - 131	1	30
1,2,4-Trichlorobenzene			20.0	16.2		ug/L		81	63 - 120	4	30
1,2,4-Trimethylbenzene			20.0	18.0		ug/L		90	75 - 120	1	30
1,2-Dibromo-3-Chloropropane			20.0	16.0		ug/L		80	47 - 131	2	30
1,2-Dibromoethane			20.0	18.8		ug/L		94	77 - 120	6	30
1,2-Dichlorobenzene			20.0	18.4		ug/L		92	80 - 120	5	30
1,2-Dichloroethane			20.0	20.5		ug/L		102	73 - 124	5	30
1,2-Dichloropropane			20.0	18.3		ug/L		92	80 - 120	2	30
1,3,5-Trimethylbenzene			20.0	17.6		ug/L		88	75 - 120	2	30
1,3-Dichlorobenzene			20.0	18.7		ug/L		93	80 - 120	3	30
1,4-Dichlorobenzene			20.0	18.7		ug/L		94	80 - 120	4	30
2-Butanone			250	242		ug/L		97	59 - 135	5	30
2-Hexanone			250	260		ug/L		104	56 - 135	4	30
4-Methyl-2-pentanone			250	245		ug/L		98	62 - 133	4	30
Acetone			250	250		ug/L		100	54 - 157	6	30
Benzene			20.0	18.8		ug/L		94	80 - 120	4	30

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

Lab Sample ID: LCSD 410-289040/5
Matrix: Water
Analysis Batch: 289040

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromodichloromethane	20.0	19.6		ug/L		98	71 - 120	5	30
Bromoform	20.0	18.9		ug/L		95	51 - 120	5	30
Bromomethane	20.0	14.9		ug/L		75	53 - 128	5	30
Carbon disulfide	20.0	18.7		ug/L		94	65 - 128	6	30
Carbon tetrachloride	20.0	21.8		ug/L		109	64 - 134	4	30
Chlorobenzene	20.0	18.4		ug/L		92	80 - 120	4	30
Chloroethane	20.0	16.7		ug/L		83	55 - 123	4	30
Chloroform	20.0	20.1		ug/L		100	80 - 120	4	30
Chloromethane	20.0	15.1		ug/L		75	56 - 121	8	30
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	80 - 125	2	30
cis-1,3-Dichloropropene	20.0	17.5		ug/L		88	75 - 120	5	30
Cyclohexane	20.0	15.9		ug/L		79	68 - 126	4	30
Dibromochloromethane	20.0	19.2		ug/L		96	71 - 120	4	30
Dichlorodifluoromethane	20.0	17.6		ug/L		88	41 - 127	4	30
Ethylbenzene	20.0	18.3		ug/L		91	80 - 120	2	30
Freon 113	20.0	18.2		ug/L		91	73 - 139	5	30
Isopropylbenzene	20.0	17.9		ug/L		90	80 - 120	3	30
Methyl acetate	20.0	20.2		ug/L		101	54 - 136	15	30
Methyl tertiary butyl ether	20.0	19.0		ug/L		95	69 - 122	4	30
Methylcyclohexane	20.0	16.7		ug/L		84	67 - 121	3	30
Methylene Chloride	20.0	19.8		ug/L		99	80 - 120	3	30
Styrene	20.0	18.6		ug/L		93	80 - 120	4	30
Tetrachloroethene	20.0	19.0		ug/L		95	80 - 120	5	30
Toluene	20.0	18.3		ug/L		92	80 - 120	3	30
trans-1,2-Dichloroethene	20.0	19.7		ug/L		99	80 - 126	2	30
trans-1,3-Dichloropropene	20.0	18.9		ug/L		95	67 - 120	4	30
Trichloroethene	20.0	19.2		ug/L		96	80 - 120	2	30
Trichlorofluoromethane	20.0	18.1		ug/L		90	55 - 135	7	30
Vinyl chloride	20.0	14.2		ug/L		71	56 - 120	4	30
Xylenes, Total	60.0	54.6		ug/L		91	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*109*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 289040

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		20.0	24.7		ug/L		124	67 - 126
1,1,2,2-Tetrachloroethane	ND		20.0	19.2		ug/L		96	72 - 120
1,1,2-Trichloroethane	ND		20.0	21.6		ug/L		108	80 - 120
1,1-Dichloroethane	ND		20.0	21.9		ug/L		110	80 - 120
1,1-Dichloroethene	ND		20.0	23.3		ug/L		117	80 - 131
1,2,4-Trichlorobenzene	ND		20.0	16.7		ug/L		83	63 - 120

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

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 289040

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	ND		20.0	20.0		ug/L		100	75 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	17.5		ug/L		88	47 - 131
1,2-Dibromoethane	ND		20.0	21.4		ug/L		107	77 - 120
1,2-Dichlorobenzene	ND		20.0	20.3		ug/L		101	80 - 120
1,2-Dichloroethane	ND		20.0	23.7		ug/L		118	73 - 124
1,2-Dichloropropane	ND		20.0	21.2		ug/L		106	80 - 120
1,3,5-Trimethylbenzene	ND		20.0	20.0		ug/L		100	75 - 120
1,3-Dichlorobenzene	ND		20.0	21.0		ug/L		105	80 - 120
1,4-Dichlorobenzene	ND		20.0	20.8		ug/L		104	80 - 120
2-Butanone	ND		250	264		ug/L		106	59 - 135
2-Hexanone	ND		250	291		ug/L		116	56 - 135
4-Methyl-2-pentanone	ND		250	269		ug/L		108	62 - 133
Acetone	ND		250	280		ug/L		112	54 - 157
Benzene	ND		20.0	22.2		ug/L		111	80 - 120
Bromodichloromethane	ND		20.0	22.6		ug/L		113	71 - 120
Bromoform	ND		20.0	21.4		ug/L		107	51 - 120
Bromomethane	ND	cn	20.0	18.6		ug/L		93	53 - 128
Carbon disulfide	ND		20.0	23.1		ug/L		115	65 - 128
Carbon tetrachloride	ND		20.0	26.8		ug/L		134	64 - 134
Chlorobenzene	ND		20.0	21.5		ug/L		107	80 - 120
Chloroethane	ND		20.0	19.9		ug/L		99	55 - 123
Chloroform	ND		20.0	23.4		ug/L		117	80 - 120
Chloromethane	ND	cn	20.0	19.3		ug/L		97	56 - 121
cis-1,2-Dichloroethene	ND		20.0	23.9		ug/L		119	80 - 125
cis-1,3-Dichloropropene	ND		20.0	19.0		ug/L		95	75 - 120
Cyclohexane	ND	cn	20.0	20.1		ug/L		100	68 - 126
Dibromochloromethane	ND		20.0	21.9		ug/L		109	71 - 120
Dichlorodifluoromethane	ND		20.0	24.2		ug/L		121	41 - 127
Ethylbenzene	ND		20.0	21.5		ug/L		108	80 - 120
Freon 113	ND		20.0	23.6		ug/L		118	73 - 139
Isopropylbenzene	ND		20.0	21.0		ug/L		105	80 - 120
Methyl acetate	ND		20.0	25.2		ug/L		126	54 - 136
Methyl tertiary butyl ether	ND		20.0	20.4		ug/L		102	69 - 122
Methylcyclohexane	ND		20.0	21.4		ug/L		107	67 - 121
Methylene Chloride	ND		20.0	22.8		ug/L		114	80 - 120
Styrene	ND		20.0	21.8		ug/L		109	80 - 120
Tetrachloroethene	ND		20.0	23.6		ug/L		118	80 - 120
Toluene	ND		20.0	21.6		ug/L		108	80 - 120
trans-1,2-Dichloroethene	ND		20.0	23.1		ug/L		115	80 - 126
trans-1,3-Dichloropropene	ND		20.0	21.0		ug/L		105	67 - 120
Trichloroethene	ND		20.0	22.3		ug/L		111	80 - 120
Trichlorofluoromethane	ND		20.0	23.7		ug/L		118	55 - 135
Vinyl chloride	ND	cn	20.0	18.4		ug/L		92	56 - 120
Xylenes, Total	ND		60.0	63.9		ug/L		107	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

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

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 289040

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	109		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: 410-94417-1 MSD
Matrix: Water
Analysis Batch: 289040

Client Sample ID: FBS010-MSD_082022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		20.0	23.7		ug/L		118	67 - 126	4	30
1,1,2,2-Tetrachloroethane	ND		20.0	18.2		ug/L		91	72 - 120	5	30
1,1,2-Trichloroethane	ND		20.0	20.6		ug/L		103	80 - 120	5	30
1,1-Dichloroethane	ND		20.0	21.2		ug/L		106	80 - 120	3	30
1,1-Dichloroethene	ND		20.0	22.6		ug/L		113	80 - 131	3	30
1,2,4-Trichlorobenzene	ND		20.0	17.1		ug/L		86	63 - 120	3	30
1,2,4-Trimethylbenzene	ND		20.0	19.4		ug/L		97	75 - 120	3	30
1,2-Dibromo-3-Chloropropane	ND		20.0	16.6		ug/L		83	47 - 131	5	30
1,2-Dibromoethane	ND		20.0	20.7		ug/L		104	77 - 120	3	30
1,2-Dichlorobenzene	ND		20.0	19.7		ug/L		98	80 - 120	3	30
1,2-Dichloroethane	ND		20.0	22.5		ug/L		112	73 - 124	5	30
1,2-Dichloropropane	ND		20.0	20.2		ug/L		101	80 - 120	4	30
1,3,5-Trimethylbenzene	ND		20.0	19.3		ug/L		97	75 - 120	4	30
1,3-Dichlorobenzene	ND		20.0	20.1		ug/L		101	80 - 120	5	30
1,4-Dichlorobenzene	ND		20.0	19.8		ug/L		99	80 - 120	5	30
2-Butanone	ND		250	253		ug/L		101	59 - 135	4	30
2-Hexanone	ND		250	275		ug/L		110	56 - 135	6	30
4-Methyl-2-pentanone	ND		250	254		ug/L		102	62 - 133	6	30
Acetone	ND		250	277		ug/L		111	54 - 157	1	30
Benzene	ND		20.0	21.2		ug/L		106	80 - 120	5	30
Bromodichloromethane	ND		20.0	21.5		ug/L		108	71 - 120	5	30
Bromoform	ND		20.0	20.3		ug/L		102	51 - 120	5	30
Bromomethane	ND	cn	20.0	17.1		ug/L		86	53 - 128	9	30
Carbon disulfide	ND		20.0	21.5		ug/L		107	65 - 128	7	30
Carbon tetrachloride	ND		20.0	25.7		ug/L		129	64 - 134	4	30
Chlorobenzene	ND		20.0	20.6		ug/L		103	80 - 120	4	30
Chloroethane	ND		20.0	19.3		ug/L		97	55 - 123	3	30
Chloroform	ND		20.0	22.4		ug/L		112	80 - 120	5	30
Chloromethane	ND	cn	20.0	18.1		ug/L		91	56 - 121	6	30
cis-1,2-Dichloroethene	ND		20.0	22.7		ug/L		114	80 - 125	5	30
cis-1,3-Dichloropropene	ND		20.0	18.0		ug/L		90	75 - 120	5	30
Cyclohexane	ND	cn	20.0	19.2		ug/L		96	68 - 126	4	30
Dibromochloromethane	ND		20.0	20.9		ug/L		105	71 - 120	5	30
Dichlorodifluoromethane	ND		20.0	23.2		ug/L		116	41 - 127	4	30
Ethylbenzene	ND		20.0	20.5		ug/L		103	80 - 120	5	30
Freon 113	ND		20.0	22.6		ug/L		113	73 - 139	5	30
Isopropylbenzene	ND		20.0	20.4		ug/L		102	80 - 120	3	30
Methyl acetate	ND		20.0	18.7		ug/L		94	54 - 136	30	30
Methyl tertiary butyl ether	ND		20.0	19.7		ug/L		99	69 - 122	3	30
Methylcyclohexane	ND		20.0	20.4		ug/L		102	67 - 121	5	30

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

Lab Sample ID: 410-94417-1 MSD
Matrix: Water
Analysis Batch: 289040

Client Sample ID: FBS010-MSD_082022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride	ND		20.0	22.0		ug/L		110	80 - 120	3	30
Styrene	ND		20.0	20.4		ug/L		102	80 - 120	7	30
Tetrachloroethene	ND		20.0	22.4		ug/L		112	80 - 120	5	30
Toluene	ND		20.0	20.6		ug/L		103	80 - 120	5	30
trans-1,2-Dichloroethene	ND		20.0	22.0		ug/L		110	80 - 126	5	30
trans-1,3-Dichloropropene	ND		20.0	20.1		ug/L		100	67 - 120	5	30
Trichloroethene	ND		20.0	21.5		ug/L		107	80 - 120	4	30
Trichlorofluoromethane	ND		20.0	22.1		ug/L		111	55 - 135	7	30
Vinyl chloride	ND	cn	20.0	17.9		ug/L		90	56 - 120	3	30
Xylenes, Total	ND		60.0	60.8		ug/L		101	80 - 120	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-286371/1-A
Matrix: Water
Analysis Batch: 286564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		08/16/22 09:10	08/16/22 15:51	1
2,4-Dinitrophenol	ND		30	10	ug/L		08/16/22 09:10	08/16/22 15:51	1
2-Chlorophenol	ND		2	0.5	ug/L		08/16/22 09:10	08/16/22 15:51	1
Carbazole	ND		2	0.5	ug/L		08/16/22 09:10	08/16/22 15:51	1
Phenol	ND		2	0.5	ug/L		08/16/22 09:10	08/16/22 15:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 150*	*08/16/22 09:10*	*08/16/22 15:51*	*1*
2-Fluorobiphenyl (Surr)	*70*		*44 - 120*	*08/16/22 09:10*	*08/16/22 15:51*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 120*	*08/16/22 09:10*	*08/16/22 15:51*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 125*	*08/16/22 09:10*	*08/16/22 15:51*	*1*
Phenol-d5 (Surr)	*36*		*10 - 120*	*08/16/22 09:10*	*08/16/22 15:51*	*1*
p-Terphenyl-d14 (Surr)	*95*		*37 - 120*	*08/16/22 09:10*	*08/16/22 15:51*	*1*

Lab Sample ID: LCS 410-286371/2-A
Matrix: Water
Analysis Batch: 286564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	50.0	42		ug/L		85	62 - 120
2,4-Dinitrophenol	100	120		ug/L		121	43 - 146
2-Chlorophenol	50.0	39		ug/L		77	57 - 120
Carbazole	50.0	47		ug/L		95	74 - 120
Phenol	50.0	23		ug/L		45	22 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-286371/2-A
Matrix: Water
Analysis Batch: 286564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286371

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	95		10 - 150
2-Fluorobiphenyl (Surr)	81		44 - 120
2-Fluorophenol (Surr)	51		10 - 120
Nitrobenzene-d5 (Surr)	78		25 - 125
Phenol-d5 (Surr)	39		10 - 120
p-Terphenyl-d14 (Surr)	101		37 - 120

Lab Sample ID: LCSD 410-286371/3-A
Matrix: Water
Analysis Batch: 286564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 286371

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			50.0	38		ug/L		75	62 - 120	12	30
2,4-Dinitrophenol			100	97		ug/L		97	43 - 146	22	30
2-Chlorophenol			50.0	37		ug/L		75	57 - 120	4	30
Carbazole			50.0	43		ug/L		87	74 - 120	9	30
Phenol			50.0	24		ug/L		48	22 - 120	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	81		10 - 150
2-Fluorobiphenyl (Surr)	69		44 - 120
2-Fluorophenol (Surr)	52		10 - 120
Nitrobenzene-d5 (Surr)	69		25 - 125
Phenol-d5 (Surr)	40		10 - 120
p-Terphenyl-d14 (Surr)	80		37 - 120

Lab Sample ID: MB 410-287252/1-A
Matrix: Water
Analysis Batch: 287356

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 287252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		08/18/22 09:50	08/18/22 17:10	1
2,4-Dinitrophenol	ND		30	10	ug/L		08/18/22 09:50	08/18/22 17:10	1
2-Chlorophenol	ND		2	0.5	ug/L		08/18/22 09:50	08/18/22 17:10	1
Carbazole	ND		2	0.5	ug/L		08/18/22 09:50	08/18/22 17:10	1
Phenol	ND		2	0.5	ug/L		08/18/22 09:50	08/18/22 17:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		10 - 150	08/18/22 09:50	08/18/22 17:10	1
2-Fluorobiphenyl (Surr)	69		44 - 120	08/18/22 09:50	08/18/22 17:10	1
2-Fluorophenol (Surr)	46		10 - 120	08/18/22 09:50	08/18/22 17:10	1
Nitrobenzene-d5 (Surr)	75		25 - 125	08/18/22 09:50	08/18/22 17:10	1
Phenol-d5 (Surr)	35		10 - 120	08/18/22 09:50	08/18/22 17:10	1
p-Terphenyl-d14 (Surr)	94		37 - 120	08/18/22 09:50	08/18/22 17:10	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-287252/2-A
Matrix: Water
Analysis Batch: 287356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 287252

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-Dimethylphenol			50.0	47		ug/L		94	62 - 120		
2,4-Dinitrophenol			100	120		ug/L		117	43 - 146		
2-Chlorophenol			50.0	41		ug/L		82	57 - 120		
Carbazole			50.0	47		ug/L		95	74 - 120		
Phenol			50.0	27		ug/L		53	22 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 150*
2-Fluorobiphenyl (Surr)	*72*		*44 - 120*
2-Fluorophenol (Surr)	*55*		*10 - 120*
Nitrobenzene-d5 (Surr)	*78*		*25 - 125*
Phenol-d5 (Surr)	*44*		*10 - 120*
p-Terphenyl-d14 (Surr)	*94*		*37 - 120*

Lab Sample ID: LCSD 410-287252/3-A
Matrix: Water
Analysis Batch: 287356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 287252

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			50.0	50		ug/L		100	62 - 120	7	30
2,4-Dinitrophenol			100	130		ug/L		125	43 - 146	7	30
2-Chlorophenol			50.0	42		ug/L		83	57 - 120	1	30
Carbazole			50.0	51		ug/L		103	74 - 120	8	30
Phenol			50.0	26		ug/L		53	22 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*10 - 150*
2-Fluorobiphenyl (Surr)	*80*		*44 - 120*
2-Fluorophenol (Surr)	*58*		*10 - 120*
Nitrobenzene-d5 (Surr)	*84*		*25 - 125*
Phenol-d5 (Surr)	*45*		*10 - 120*
p-Terphenyl-d14 (Surr)	*102*		*37 - 120*

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 287356

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA
Prep Batch: 287252

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-Dimethylphenol	ND		52.1	52		ug/L		99	62 - 120		
2,4-Dinitrophenol	ND	cn	104	110		ug/L		108	43 - 146		
2-Chlorophenol	ND		52.1	44		ug/L		85	57 - 120		
Carbazole	ND		52.1	51		ug/L		98	74 - 120		
Phenol	ND		52.1	30		ug/L		57	22 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 150*
2-Fluorobiphenyl (Surr)	*78*		*44 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 287356

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA
Prep Batch: 287252

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol (Surr)	*60*		*10 - 120*
Nitrobenzene-d5 (Surr)	*87*		*25 - 125*
Phenol-d5 (Surr)	*48*		*10 - 120*
p-Terphenyl-d14 (Surr)	*87*		*37 - 120*

Lab Sample ID: 410-94417-1 MSD
Matrix: Water
Analysis Batch: 287356

Client Sample ID: FBS010-MSD_082022
Prep Type: Total/NA
Prep Batch: 287252

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol	ND		52.9	53		ug/L		100	62 - 120	2	30
2,4-Dinitrophenol	ND	cn	106	110		ug/L		104	43 - 146	2	30
2-Chlorophenol	ND		52.9	43		ug/L		82	57 - 120	3	30
Carbazole	ND		52.9	51		ug/L		97	74 - 120	0	30
Phenol	ND		52.9	31		ug/L		59	22 - 120	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*90*		*10 - 150*
2-Fluorobiphenyl (Surr)	*79*		*44 - 120*
2-Fluorophenol (Surr)	*60*		*10 - 120*
Nitrobenzene-d5 (Surr)	*86*		*25 - 125*
Phenol-d5 (Surr)	*48*		*10 - 120*
p-Terphenyl-d14 (Surr)	*87*		*37 - 120*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 410-286366/1-A
Matrix: Water
Analysis Batch: 286632

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		08/16/22 09:09	08/16/22 19:45	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Acenaphthene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Acenaphthylene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Anthracene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		08/16/22 09:09	08/16/22 19:45	1
Chrysene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Dibenzofuran	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Diethylphthalate	ND		1.0	0.050	ug/L		08/16/22 09:09	08/16/22 19:45	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 410-286366/1-A
Matrix: Water
Analysis Batch: 286632

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethylphthalate	ND		1.0	0.050	ug/L		08/16/22 09:09	08/16/22 19:45	1
Di-n-butyl phthalate	ND		1.0	0.050	ug/L		08/16/22 09:09	08/16/22 19:45	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		08/16/22 09:09	08/16/22 19:45	1
Fluoranthene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Fluorene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Naphthalene	ND		0.070	0.030	ug/L		08/16/22 09:09	08/16/22 19:45	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Phenanthrene	ND		0.070	0.030	ug/L		08/16/22 09:09	08/16/22 19:45	1
Pyrene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*66*		*36 - 111*	*08/16/22 09:09*	*08/16/22 19:45*	*1*
Benzo(a)pyrene-d12 (Surr)	*80*		*10 - 110*	*08/16/22 09:09*	*08/16/22 19:45*	*1*
Fluoranthene-d10 (Surr)	*79*		*47 - 128*	*08/16/22 09:09*	*08/16/22 19:45*	*1*

Lab Sample ID: LCS 410-286366/2-A
Matrix: Water
Analysis Batch: 286632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286366

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.531		ug/L		53	23 - 120
1-Methylnaphthalene	1.00	0.605		ug/L		61	23 - 124
2-Methylnaphthalene	1.00	0.568		ug/L		57	20 - 133
Acenaphthene	1.00	0.804		ug/L		80	42 - 120
Acenaphthylene	1.00	0.716		ug/L		72	49 - 120
Anthracene	1.00	0.813		ug/L		81	54 - 121
Benzo[a]anthracene	1.00	0.825		ug/L		83	61 - 122
Benzo[a]pyrene	1.00	0.817		ug/L		82	60 - 120
Benzo[b]fluoranthene	1.00	0.792		ug/L		79	58 - 122
Benzo[g,h,i]perylene	1.00	0.851		ug/L		85	50 - 120
Benzo[k]fluoranthene	1.00	0.893		ug/L		89	57 - 128
Bis(2-chloroethyl)ether	1.00	0.862		ug/L		86	59 - 130
Bis(2-ethylhexyl) phthalate	1.00	1.27		ug/L		127	14 - 155
Butylbenzylphthalate	1.00	0.992	J	ug/L		99	10 - 120
Chrysene	1.00	0.825		ug/L		83	55 - 123
Dibenz(a,h)anthracene	1.00	0.847		ug/L		85	50 - 121
Dibenzofuran	1.00	0.811		ug/L		81	48 - 124
Diethylphthalate	1.00	0.879	J	ug/L		88	38 - 120
Dimethylphthalate	1.00	0.748	J	ug/L		75	10 - 121
Di-n-butyl phthalate	1.00	0.980	J	ug/L		98	46 - 125
Di-n-octyl phthalate	1.00	0.862	J	ug/L		86	22 - 130
Fluoranthene	1.00	0.835		ug/L		83	61 - 123
Fluorene	1.00	0.783		ug/L		78	55 - 120
Hexachlorobenzene	1.00	0.750		ug/L		75	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.852		ug/L		85	47 - 143
Naphthalene	1.00	0.585		ug/L		59	20 - 120

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 410-286366/2-A
Matrix: Water
Analysis Batch: 286632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286366

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
N-Nitrosodimethylamine			1.00	0.665		ug/L		67	37 - 120		
Phenanthrene			1.00	0.850		ug/L		85	59 - 120		
Pyrene			1.00	0.802		ug/L		80	46 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*67*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*86*		*10 - 110*
Fluoranthene-d10 (Surr)	*80*		*47 - 128*

Lab Sample ID: LCSD 410-286366/3-A
Matrix: Water
Analysis Batch: 286632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 286366

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.00	0.508		ug/L		51	23 - 120	5	30
1-Methylnaphthalene			1.00	0.648		ug/L		65	23 - 124	7	30
2-Methylnaphthalene			1.00	0.609		ug/L		61	20 - 133	7	30
Acenaphthene			1.00	0.830		ug/L		83	42 - 120	3	30
Acenaphthylene			1.00	0.730		ug/L		73	49 - 120	2	30
Anthracene			1.00	0.819		ug/L		82	54 - 121	1	30
Benzo[a]anthracene			1.00	0.849		ug/L		85	61 - 122	3	30
Benzo[a]pyrene			1.00	0.834		ug/L		83	60 - 120	2	30
Benzo[b]fluoranthene			1.00	0.815		ug/L		82	58 - 122	3	30
Benzo[g,h,i]perylene			1.00	0.867		ug/L		87	50 - 120	2	30
Benzo[k]fluoranthene			1.00	0.900		ug/L		90	57 - 128	1	30
Bis(2-chloroethyl)ether			1.00	0.859		ug/L		86	59 - 130	0	30
Bis(2-ethylhexyl) phthalate			1.00	1.23		ug/L		123	14 - 155	3	30
Butylbenzylphthalate			1.00	0.998	J	ug/L		100	10 - 120	1	30
Chrysene			1.00	0.852		ug/L		85	55 - 123	3	30
Dibenz(a,h)anthracene			1.00	0.861		ug/L		86	50 - 121	2	30
Dibenzofuran			1.00	0.834		ug/L		83	48 - 124	3	30
Diethylphthalate			1.00	0.879	J	ug/L		88	38 - 120	0	30
Dimethylphthalate			1.00	0.772	J	ug/L		77	10 - 121	3	30
Di-n-butyl phthalate			1.00	0.911	J	ug/L		91	46 - 125	7	30
Di-n-octyl phthalate			1.00	0.842	J	ug/L		84	22 - 130	2	30
Fluoranthene			1.00	0.826		ug/L		83	61 - 123	1	30
Fluorene			1.00	0.802		ug/L		80	55 - 120	2	30
Hexachlorobenzene			1.00	0.836		ug/L		84	20 - 120	11	30
Indeno[1,2,3-cd]pyrene			1.00	0.867		ug/L		87	47 - 143	2	30
Naphthalene			1.00	0.641		ug/L		64	20 - 120	9	30
N-Nitrosodimethylamine			1.00	0.681		ug/L		68	37 - 120	2	30
Phenanthrene			1.00	0.857		ug/L		86	59 - 120	1	30
Pyrene			1.00	0.818		ug/L		82	46 - 122	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*67*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*88*		*10 - 110*
Fluoranthene-d10 (Surr)	*80*		*47 - 128*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 410-287248/1-A
Matrix: Water
Analysis Batch: 287573

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 287248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		08/18/22 09:43	08/18/22 21:14	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Acenaphthene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Acenaphthylene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Anthracene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		08/18/22 09:43	08/18/22 21:14	1
Chrysene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Dibenzofuran	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Diethylphthalate	ND		1.0	0.050	ug/L		08/18/22 09:43	08/18/22 21:14	1
Dimethylphthalate	ND		1.0	0.050	ug/L		08/18/22 09:43	08/18/22 21:14	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		08/18/22 09:43	08/18/22 21:14	1
Fluoranthene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Fluorene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Naphthalene	ND		0.070	0.030	ug/L		08/18/22 09:43	08/18/22 21:14	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Phenanthrene	ND		0.070	0.030	ug/L		08/18/22 09:43	08/18/22 21:14	1
Pyrene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*60*		*36 - 111*	*08/18/22 09:43*	*08/18/22 21:14*	*1*
Benzo(a)pyrene-d12 (Surr)	*72*		*10 - 110*	*08/18/22 09:43*	*08/18/22 21:14*	*1*
Fluoranthene-d10 (Surr)	*72*		*47 - 128*	*08/18/22 09:43*	*08/18/22 21:14*	*1*

Lab Sample ID: MB 410-287248/1-A
Matrix: Water
Analysis Batch: 287637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 287248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.614	J	1.0	0.050	ug/L		08/18/22 09:43	08/19/22 05:14	1
Di-n-butyl phthalate	12.4		1.0	0.050	ug/L		08/18/22 09:43	08/19/22 05:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*63*		*36 - 111*	*08/18/22 09:43*	*08/19/22 05:14*	*1*
Benzo(a)pyrene-d12 (Surr)	*75*		*10 - 110*	*08/18/22 09:43*	*08/19/22 05:14*	*1*
Fluoranthene-d10 (Surr)	*65*		*47 - 128*	*08/18/22 09:43*	*08/19/22 05:14*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 410-287248/2-A
Matrix: Water
Analysis Batch: 287573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 287248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.429		ug/L		43	23 - 120
1-Methylnaphthalene	1.00	0.607		ug/L		61	23 - 124
2-Methylnaphthalene	1.00	0.583		ug/L		58	20 - 133
Acenaphthene	1.00	0.814		ug/L		81	42 - 120
Acenaphthylene	1.00	0.693		ug/L		69	49 - 120
Anthracene	1.00	0.788		ug/L		79	54 - 121
Benzo[a]anthracene	1.00	0.820		ug/L		82	61 - 122
Benzo[a]pyrene	1.00	0.798		ug/L		80	60 - 120
Benzo[b]fluoranthene	1.00	0.785		ug/L		78	58 - 122
Benzo[g,h,i]perylene	1.00	0.717		ug/L		72	50 - 120
Benzo[k]fluoranthene	1.00	0.868		ug/L		87	57 - 128
Bis(2-chloroethyl)ether	1.00	0.809		ug/L		81	59 - 130
Butylbenzylphthalate	1.00	0.731	J	ug/L		73	10 - 120
Chrysene	1.00	0.809		ug/L		81	55 - 123
Dibenz(a,h)anthracene	1.00	0.723		ug/L		72	50 - 121
Dibenzofuran	1.00	0.785		ug/L		78	48 - 124
Diethylphthalate	1.00	0.692	J	ug/L		69	38 - 120
Dimethylphthalate	1.00	0.377	J	ug/L		38	10 - 121
Di-n-octyl phthalate	1.00	1.04		ug/L		104	22 - 130
Fluoranthene	1.00	0.821		ug/L		82	61 - 123
Fluorene	1.00	0.759		ug/L		76	55 - 120
Hexachlorobenzene	1.00	0.796		ug/L		80	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.730		ug/L		73	47 - 143
Naphthalene	1.00	0.613		ug/L		61	20 - 120
N-Nitrosodimethylamine	1.00	0.641		ug/L		64	37 - 120
Phenanthrene	1.00	0.803		ug/L		80	59 - 120
Pyrene	1.00	0.786		ug/L		79	46 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*62*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*82*		*10 - 110*
Fluoranthene-d10 (Surr)	*77*		*47 - 128*

Lab Sample ID: LCS 410-287248/2-A
Matrix: Water
Analysis Batch: 287637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 287248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	1.00	1.69	*+	ug/L		169	14 - 155
Di-n-butyl phthalate	1.00	15.7	*+	ug/L		1570	46 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*64*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*83*		*10 - 110*
Fluoranthene-d10 (Surr)	*73*		*47 - 128*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 410-287248/3-A
Matrix: Water
Analysis Batch: 287573

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 287248

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.00	0.429		ug/L		43	23 - 120	0	30
1-Methylnaphthalene			1.00	0.566		ug/L		57	23 - 124	7	30
2-Methylnaphthalene			1.00	0.547		ug/L		55	20 - 133	6	30
Acenaphthene			1.00	0.738		ug/L		74	42 - 120	10	30
Acenaphthylene			1.00	0.625		ug/L		62	49 - 120	10	30
Anthracene			1.00	0.711		ug/L		71	54 - 121	10	30
Benzo[a]anthracene			1.00	0.741		ug/L		74	61 - 122	10	30
Benzo[a]pyrene			1.00	0.722		ug/L		72	60 - 120	10	30
Benzo[b]fluoranthene			1.00	0.718		ug/L		72	58 - 122	9	30
Benzo[g,h,i]perylene			1.00	0.663		ug/L		66	50 - 120	8	30
Benzo[k]fluoranthene			1.00	0.796		ug/L		80	57 - 128	9	30
Bis(2-chloroethyl)ether			1.00	0.757		ug/L		76	59 - 130	7	30
Butylbenzylphthalate			1.00	0.669	J	ug/L		67	10 - 120	9	30
Chrysene			1.00	0.743		ug/L		74	55 - 123	8	30
Dibenz(a,h)anthracene			1.00	0.657		ug/L		66	50 - 121	10	30
Dibenzofuran			1.00	0.710		ug/L		71	48 - 124	10	30
Diethylphthalate			1.00	0.609	J	ug/L		61	38 - 120	13	30
Dimethylphthalate			1.00	0.327	J	ug/L		33	10 - 121	14	30
Di-n-octyl phthalate			1.00	0.853	J	ug/L		85	22 - 130	20	30
Fluoranthene			1.00	0.746		ug/L		75	61 - 123	10	30
Fluorene			1.00	0.684		ug/L		68	55 - 120	10	30
Hexachlorobenzene			1.00	0.731		ug/L		73	20 - 120	8	30
Indeno[1,2,3-cd]pyrene			1.00	0.664		ug/L		66	47 - 143	9	30
Naphthalene			1.00	0.567		ug/L		57	20 - 120	8	30
N-Nitrosodimethylamine			1.00	0.620		ug/L		62	37 - 120	3	30
Phenanthrene			1.00	0.732		ug/L		73	59 - 120	9	30
Pyrene			1.00	0.714		ug/L		71	46 - 122	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*59*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*75*		*10 - 110*
Fluoranthene-d10 (Surr)	*70*		*47 - 128*

Lab Sample ID: LCSD 410-287248/3-A
Matrix: Water
Analysis Batch: 287637

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 287248

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate			1.00	1.38		ug/L		138	14 - 155	20	30
Di-n-butyl phthalate			1.00	13.8	*+	ug/L		1380	46 - 125	13	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*60*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*74*		*10 - 110*
Fluoranthene-d10 (Surr)	*68*		*47 - 128*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 287573

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA
Prep Batch: 287248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND		1.06	0.458		ug/L		43	23 - 120
1-Methylnaphthalene	ND		1.06	0.681		ug/L		64	23 - 124
2-Methylnaphthalene	ND		1.06	0.652		ug/L		61	20 - 133
Acenaphthene	ND		1.06	0.873		ug/L		82	42 - 120
Acenaphthylene	ND		1.06	0.774		ug/L		73	49 - 120
Anthracene	ND		1.06	0.877		ug/L		82	54 - 121
Benzo[a]anthracene	ND		1.06	0.901		ug/L		85	61 - 122
Benzo[a]pyrene	ND		1.06	0.849		ug/L		80	60 - 120
Benzo[b]fluoranthene	ND		1.06	0.835		ug/L		79	58 - 122
Benzo[g,h,i]perylene	ND		1.06	0.721		ug/L		68	50 - 120
Benzo[k]fluoranthene	ND		1.06	0.910		ug/L		86	57 - 128
Bis(2-chloroethyl)ether	ND		1.06	0.909		ug/L		85	59 - 130
Butylbenzylphthalate	ND	cn	1.06	0.749	J	ug/L		70	10 - 120
Chrysene	ND		1.06	0.856		ug/L		80	55 - 123
Dibenz(a,h)anthracene	ND		1.06	0.739		ug/L		69	50 - 121
Dibenzofuran	ND		1.06	0.848		ug/L		80	48 - 124
Diethylphthalate	ND		1.06	0.711	J	ug/L		67	38 - 120
Dimethylphthalate	ND	F2	1.06	0.324	J	ug/L		30	10 - 121
Di-n-octyl phthalate	ND		1.06	1.08	J	ug/L		101	22 - 130
Fluoranthene	ND		1.06	0.922		ug/L		87	61 - 123
Fluorene	ND		1.06	0.832		ug/L		78	55 - 120
Hexachlorobenzene	ND		1.06	0.875		ug/L		82	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.06	0.751		ug/L		71	47 - 143
Naphthalene	ND		1.06	0.678		ug/L		64	20 - 120
N-Nitrosodimethylamine	ND		1.06	0.708		ug/L		67	37 - 120
Phenanthrene	ND		1.06	0.886		ug/L		83	59 - 120
Pyrene	ND		1.06	0.846		ug/L		79	46 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*65*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*84*		*10 - 110*
Fluoranthene-d10 (Surr)	*81*		*47 - 128*

Lab Sample ID: 410-94417-1 MSD
Matrix: Water
Analysis Batch: 287573

Client Sample ID: FBS010-MSD_082022
Prep Type: Total/NA
Prep Batch: 287248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND		1.04	0.458		ug/L		44	23 - 120	0	30
1-Methylnaphthalene	ND		1.04	0.686		ug/L		66	23 - 124	1	30
2-Methylnaphthalene	ND		1.04	0.657		ug/L		63	20 - 133	1	30
Acenaphthene	ND		1.04	0.867		ug/L		83	42 - 120	1	30
Acenaphthylene	ND		1.04	0.775		ug/L		75	49 - 120	0	30
Anthracene	ND		1.04	0.874		ug/L		84	54 - 121	0	30
Benzo[a]anthracene	ND		1.04	0.867		ug/L		83	61 - 122	4	30
Benzo[a]pyrene	ND		1.04	0.786		ug/L		76	60 - 120	8	30
Benzo[b]fluoranthene	ND		1.04	0.784		ug/L		75	58 - 122	6	30
Benzo[g,h,i]perylene	ND		1.04	0.579		ug/L		56	50 - 120	22	30

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 410-94417-1 MSD
Matrix: Water
Analysis Batch: 287573

Client Sample ID: FBS010-MSD_082022
Prep Type: Total/NA
Prep Batch: 287248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[k]fluoranthene	ND		1.04	0.849		ug/L		82	57 - 128	7	30
Bis(2-chloroethyl)ether	ND		1.04	0.885		ug/L		85	59 - 130	3	30
Butylbenzylphthalate	ND	cn	1.04	0.569	J	ug/L		55	10 - 120	27	30
Chrysene	ND		1.04	0.833		ug/L		80	55 - 123	3	30
Dibenz(a,h)anthracene	ND		1.04	0.593		ug/L		57	50 - 121	22	30
Dibenzofuran	ND		1.04	0.838		ug/L		81	48 - 124	1	30
Diethylphthalate	ND		1.04	0.613	J	ug/L		59	38 - 120	15	30
Dimethylphthalate	ND	F2	1.04	0.202	J F2	ug/L		19	10 - 121	46	30
Di-n-octyl phthalate	ND		1.04	0.868	J	ug/L		83	22 - 130	22	30
Fluoranthene	ND		1.04	0.911		ug/L		88	61 - 123	1	30
Fluorene	ND		1.04	0.821		ug/L		79	55 - 120	1	30
Hexachlorobenzene	ND		1.04	0.886		ug/L		85	20 - 120	1	30
Indeno[1,2,3-cd]pyrene	ND		1.04	0.607		ug/L		58	47 - 143	21	30
Naphthalene	ND		1.04	0.685		ug/L		66	20 - 120	1	30
N-Nitrosodimethylamine	ND		1.04	0.691		ug/L		66	37 - 120	3	30
Phenanthrene	ND		1.04	0.878		ug/L		84	59 - 120	1	30
Pyrene	ND		1.04	0.826		ug/L		79	46 - 122	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*67*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*80*		*10 - 110*
Fluoranthene-d10 (Surr)	*83*		*47 - 128*

Lab Sample ID: MB 410-288127/1-A
Matrix: Water
Analysis Batch: 288195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288127

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.113	J	0.30	0.10	ug/L		08/21/22 10:35	08/22/22 07:40	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		08/21/22 10:35	08/22/22 07:40	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		08/21/22 10:35	08/22/22 07:40	1
Acenaphthene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Acenaphthylene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Anthracene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		08/21/22 10:35	08/22/22 07:40	1
Bis(2-ethylhexyl) phthalate	1.31		1.0	0.050	ug/L		08/21/22 10:35	08/22/22 07:40	1
Butylbenzylphthalate	0.157	J	1.0	0.050	ug/L		08/21/22 10:35	08/22/22 07:40	1
Chrysene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		08/21/22 10:35	08/22/22 07:40	1
Dibenzofuran	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Diethylphthalate	0.798	J	1.0	0.050	ug/L		08/21/22 10:35	08/22/22 07:40	1
Dimethylphthalate	ND		1.0	0.050	ug/L		08/21/22 10:35	08/22/22 07:40	1
Di-n-butyl phthalate	0.0624	J	1.0	0.050	ug/L		08/21/22 10:35	08/22/22 07:40	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 410-288127/1-A
Matrix: Water
Analysis Batch: 288195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288127

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		08/21/22 10:35	08/22/22 07:40	1
Fluoranthene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Fluorene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		08/21/22 10:35	08/22/22 07:40	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		08/21/22 10:35	08/22/22 07:40	1
Naphthalene	ND		0.070	0.030	ug/L		08/21/22 10:35	08/22/22 07:40	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		08/21/22 10:35	08/22/22 07:40	1
Phenanthrene	ND		0.070	0.030	ug/L		08/21/22 10:35	08/22/22 07:40	1
Pyrene	ND		0.050	0.010	ug/L		08/21/22 10:35	08/22/22 07:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*74*		*36 - 111*	*08/21/22 10:35*	*08/22/22 07:40*	*1*
Benzo(a)pyrene-d12 (Surr)	*87*		*10 - 110*	*08/21/22 10:35*	*08/22/22 07:40*	*1*
Fluoranthene-d10 (Surr)	*84*		*47 - 128*	*08/21/22 10:35*	*08/22/22 07:40*	*1*

Lab Sample ID: LCS 410-288127/2-A
Matrix: Water
Analysis Batch: 288195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288127

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.525		ug/L		52	23 - 120
1-Methylnaphthalene	1.00	0.624		ug/L		62	23 - 124
2-Methylnaphthalene	1.00	0.585		ug/L		59	20 - 133
Acenaphthene	1.00	0.742		ug/L		74	42 - 120
Acenaphthylene	1.00	0.747		ug/L		75	49 - 120
Anthracene	1.00	0.844		ug/L		84	54 - 121
Benzo[a]anthracene	1.00	0.857		ug/L		86	61 - 122
Benzo[a]pyrene	1.00	0.843		ug/L		84	60 - 120
Benzo[b]fluoranthene	1.00	0.826		ug/L		83	58 - 122
Benzo[g,h,i]perylene	1.00	0.916		ug/L		92	50 - 120
Benzo[k]fluoranthene	1.00	0.862		ug/L		86	57 - 128
Bis(2-chloroethyl)ether	1.00	0.837		ug/L		84	59 - 130
Bis(2-ethylhexyl) phthalate	1.00	1.71	*+	ug/L		171	14 - 155
Butylbenzylphthalate	1.00	1.12		ug/L		112	10 - 120
Chrysene	1.00	0.844		ug/L		84	55 - 123
Dibenz(a,h)anthracene	1.00	0.921		ug/L		92	50 - 121
Dibenzofuran	1.00	0.845		ug/L		84	48 - 124
Diethylphthalate	1.00	0.964	J	ug/L		96	38 - 120
Dimethylphthalate	1.00	0.815	J	ug/L		82	10 - 121
Di-n-butyl phthalate	1.00	0.954	J	ug/L		95	46 - 125
Di-n-octyl phthalate	1.00	0.900	J	ug/L		90	22 - 130
Fluoranthene	1.00	0.872		ug/L		87	61 - 123
Fluorene	1.00	0.806		ug/L		81	55 - 120
Hexachlorobenzene	1.00	0.809		ug/L		81	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.930		ug/L		93	47 - 143
Naphthalene	1.00	0.617		ug/L		62	20 - 120
N-Nitrosodimethylamine	1.00	0.614		ug/L		61	37 - 120
Phenanthrene	1.00	0.862		ug/L		86	59 - 120

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 410-288127/2-A
Matrix: Water
Analysis Batch: 288195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288127

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Pyrene			1.00	0.781		ug/L		78	46 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*68*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*87*		*10 - 110*
Fluoranthene-d10 (Surr)	*83*		*47 - 128*

Lab Sample ID: LCSD 410-288127/3-A
Matrix: Water
Analysis Batch: 288195

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 288127

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.00	0.500		ug/L		50	23 - 120	5	30
1-Methylnaphthalene			1.00	0.666		ug/L		67	23 - 124	6	30
2-Methylnaphthalene			1.00	0.632		ug/L		63	20 - 133	8	30
Acenaphthene			1.00	0.786		ug/L		79	42 - 120	6	30
Acenaphthylene			1.00	0.779		ug/L		78	49 - 120	4	30
Anthracene			1.00	0.875		ug/L		88	54 - 121	4	30
Benzo[a]anthracene			1.00	0.876		ug/L		88	61 - 122	2	30
Benzo[a]pyrene			1.00	0.864		ug/L		86	60 - 120	2	30
Benzo[b]fluoranthene			1.00	0.826		ug/L		83	58 - 122	0	30
Benzo[g,h,i]perylene			1.00	0.946		ug/L		95	50 - 120	3	30
Benzo[k]fluoranthene			1.00	0.896		ug/L		90	57 - 128	4	30
Bis(2-chloroethyl)ether			1.00	0.883		ug/L		88	59 - 130	5	30
Bis(2-ethylhexyl) phthalate			1.00	1.72	*+	ug/L		172	14 - 155	1	30
Butylbenzylphthalate			1.00	1.02		ug/L		102	10 - 120	10	30
Chrysene			1.00	0.856		ug/L		86	55 - 123	1	30
Dibenz(a,h)anthracene			1.00	0.952		ug/L		95	50 - 121	3	30
Dibenzofuran			1.00	0.879		ug/L		88	48 - 124	4	30
Diethylphthalate			1.00	0.873	J	ug/L		87	38 - 120	10	30
Dimethylphthalate			1.00	0.734	J	ug/L		73	10 - 121	10	30
Di-n-butyl phthalate			1.00	0.910	J	ug/L		91	46 - 125	5	30
Di-n-octyl phthalate			1.00	0.929	J	ug/L		93	22 - 130	3	30
Fluoranthene			1.00	0.876		ug/L		88	61 - 123	0	30
Fluorene			1.00	0.841		ug/L		84	55 - 120	4	30
Hexachlorobenzene			1.00	0.854		ug/L		85	20 - 120	5	30
Indeno[1,2,3-cd]pyrene			1.00	0.949		ug/L		95	47 - 143	2	30
Naphthalene			1.00	0.658		ug/L		66	20 - 120	6	30
N-Nitrosodimethylamine			1.00	0.642		ug/L		64	37 - 120	5	30
Phenanthrene			1.00	0.873		ug/L		87	59 - 120	1	30
Pyrene			1.00	0.817		ug/L		82	46 - 122	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*71*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*88*		*10 - 110*
Fluoranthene-d10 (Surr)	*82*		*47 - 128*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA

Lab Sample ID: MB 410-286366/1-A
Matrix: Water
Analysis Batch: 287123

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate - RA	ND		1.0	0.050	ug/L		08/16/22 09:09	08/17/22 19:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr) - RA	*73*		*36 - 111*	*08/16/22 09:09*	*08/17/22 19:09*	*1*
Benzo(a)pyrene-d12 (Surr) - RA	*85*		*10 - 110*	*08/16/22 09:09*	*08/17/22 19:09*	*1*
Fluoranthene-d10 (Surr) - RA	*78*		*47 - 128*	*08/16/22 09:09*	*08/17/22 19:09*	*1*

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 287637

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA
Prep Batch: 287248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate - RA	0.64	J B *+ cn	1.06	1.83		ug/L		111	14 - 155
Di-n-butyl phthalate - RA	16	B *+ cn	1.06	18.2	4	ug/L		190	46 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr) - RA	*65*		*36 - 111*
Benzo(a)pyrene-d12 (Surr) - RA	*80*		*10 - 110*
Fluoranthene-d10 (Surr) - RA	*75*		*47 - 128*

Lab Sample ID: 410-94417-1 MSD
Matrix: Water
Analysis Batch: 287637

Client Sample ID: FBS010-MSD_082022
Prep Type: Total/NA
Prep Batch: 287248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate - RA	0.64	J B *+ cn	1.04	1.57		ug/L		89	14 - 155	15	30
Di-n-butyl phthalate - RA	16	B *+ cn	1.04	14.5	4	ug/L		-169	46 - 125	23	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr) - RA	*67*		*36 - 111*
Benzo(a)pyrene-d12 (Surr) - RA	*78*		*10 - 110*
Fluoranthene-d10 (Surr) - RA	*77*		*47 - 128*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RE

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 288195

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA
Prep Batch: 288127

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane - RE	ND	H	1.08	0.508	H	ug/L		47	23 - 120
1-Methylnaphthalene - RE	ND	H	1.08	0.713	H	ug/L		66	23 - 124
2-Methylnaphthalene - RE	ND	H	1.08	0.681	H	ug/L		63	20 - 133
Acenaphthene - RE	ND	H	1.08	0.844	H	ug/L		78	42 - 120
Acenaphthylene - RE	ND	H	1.08	0.825	H	ug/L		76	49 - 120
Anthracene - RE	ND	H	1.08	0.932	H	ug/L		86	54 - 121

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RE (Continued)

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 288195

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA
Prep Batch: 288127

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene - RE	ND	H	1.08	0.916	H	ug/L		85	61 - 122
Benzo[a]pyrene - RE	ND	H	1.08	0.836	H	ug/L		77	60 - 120
Benzo[b]fluoranthene - RE	ND	H	1.08	0.823	H	ug/L		76	58 - 122
Benzo[g,h,i]perylene - RE	ND	H	1.08	0.880	H	ug/L		81	50 - 120
Benzo[k]fluoranthene - RE	ND	H	1.08	0.859	H	ug/L		79	57 - 128
Bis(2-chloroethyl)ether - RE	ND	H	1.08	0.930	H	ug/L		86	59 - 130
Bis(2-ethylhexyl) phthalate - RE	0.77	J H B *+	1.08	1.68	H	ug/L		84	14 - 155
Butylbenzylphthalate - RE	0.16	J H B	1.08	1.13	H	ug/L		89	10 - 120
Chrysene - RE	ND	H	1.08	0.901	H	ug/L		83	55 - 123
Dibenz(a,h)anthracene - RE	ND	H	1.08	0.891	H	ug/L		82	50 - 121
Dibenzofuran - RE	ND	H	1.08	0.933	H	ug/L		86	48 - 124
Diethylphthalate - RE	ND	H	1.08	0.925	J H	ug/L		85	38 - 120
Dimethylphthalate - RE	ND	H	1.08	0.804	J H	ug/L		74	10 - 121
Di-n-butyl phthalate - RE	ND	H	1.08	0.976	J H	ug/L		90	46 - 125
Di-n-octyl phthalate - RE	ND	H	1.08	0.913	J H	ug/L		84	22 - 130
Fluoranthene - RE	ND	H	1.08	0.932	H	ug/L		86	61 - 123
Fluorene - RE	ND	H	1.08	0.897	H	ug/L		83	55 - 120
Hexachlorobenzene - RE	ND	H	1.08	0.971	H	ug/L		90	20 - 120
Indeno[1,2,3-cd]pyrene - RE	ND	H	1.08	0.890	H	ug/L		82	47 - 143
Naphthalene - RE	ND	H	1.08	0.712	H	ug/L		66	20 - 120
N-Nitrosodimethylamine - RE	ND	H	1.08	0.682	H	ug/L		63	37 - 120
Phenanthrene - RE	ND	H	1.08	0.946	H	ug/L		87	59 - 120
Pyrene - RE	ND	H	1.08	0.873	H	ug/L		81	46 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr) - RE	*69*		*36 - 111*
Benzo(a)pyrene-d12 (Surr) - RE	*78*		*10 - 110*
Fluoranthene-d10 (Surr) - RE	*81*		*47 - 128*

Lab Sample ID: 410-94417-1 MSD
Matrix: Water
Analysis Batch: 288195

Client Sample ID: FBS010-MSD_082022
Prep Type: Total/NA
Prep Batch: 288127

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane - RE	ND	H	1.04	0.505	H	ug/L		49	23 - 120	1	30
1-Methylnaphthalene - RE	ND	H	1.04	0.709	H	ug/L		68	23 - 124	1	30
2-Methylnaphthalene - RE	ND	H	1.04	0.670	H	ug/L		64	20 - 133	2	30
Acenaphthene - RE	ND	H	1.04	0.828	H	ug/L		80	42 - 120	2	30
Acenaphthylene - RE	ND	H	1.04	0.805	H	ug/L		77	49 - 120	2	30
Anthracene - RE	ND	H	1.04	0.901	H	ug/L		87	54 - 121	3	30
Benzo[a]anthracene - RE	ND	H	1.04	0.893	H	ug/L		86	61 - 122	3	30
Benzo[a]pyrene - RE	ND	H	1.04	0.799	H	ug/L		77	60 - 120	5	30
Benzo[b]fluoranthene - RE	ND	H	1.04	0.782	H	ug/L		75	58 - 122	5	30
Benzo[g,h,i]perylene - RE	ND	H	1.04	0.856	H	ug/L		82	50 - 120	3	30
Benzo[k]fluoranthene - RE	ND	H	1.04	0.833	H	ug/L		80	57 - 128	3	30
Bis(2-chloroethyl)ether - RE	ND	H	1.04	0.882	H	ug/L		85	59 - 130	5	30
Bis(2-ethylhexyl) phthalate - RE	0.77	J H B *+	1.04	1.61	H	ug/L		80	14 - 155	4	30
Butylbenzylphthalate - RE	0.16	J H B	1.04	1.11	H	ug/L		92	10 - 120	1	30

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RE (Continued)

Lab Sample ID: 410-94417-1 MSD
Matrix: Water
Analysis Batch: 288195

Client Sample ID: FBS010-MSD_082022
Prep Type: Total/NA
Prep Batch: 288127

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chrysene - RE	ND	H	1.04	0.873	H	ug/L		84	55 - 123	3	30
Dibenz(a,h)anthracene - RE	ND	H	1.04	0.866	H	ug/L		83	50 - 121	3	30
Dibenzofuran - RE	ND	H	1.04	0.892	H	ug/L		86	48 - 124	4	30
Diethylphthalate - RE	ND	H	1.04	0.917	J H	ug/L		88	38 - 120	1	30
Dimethylphthalate - RE	ND	H	1.04	0.801	J H	ug/L		77	10 - 121	0	30
Di-n-butyl phthalate - RE	ND	H	1.04	0.942	J H	ug/L		91	46 - 125	4	30
Di-n-octyl phthalate - RE	ND	H	1.04	0.870	J H	ug/L		84	22 - 130	5	30
Fluoranthene - RE	ND	H	1.04	0.904	H	ug/L		87	61 - 123	3	30
Fluorene - RE	ND	H	1.04	0.868	H	ug/L		83	55 - 120	3	30
Hexachlorobenzene - RE	ND	H	1.04	0.957	H	ug/L		92	20 - 120	1	30
Indeno[1,2,3-cd]pyrene - RE	ND	H	1.04	0.859	H	ug/L		83	47 - 143	4	30
Naphthalene - RE	ND	H	1.04	0.704	H	ug/L		68	20 - 120	1	30
N-Nitrosodimethylamine - RE	ND	H	1.04	0.680	H	ug/L		65	37 - 120	0	30
Phenanthrene - RE	ND	H	1.04	0.909	H	ug/L		87	59 - 120	4	30
Pyrene - RE	ND	H	1.04	0.859	H	ug/L		83	46 - 122	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr) - RE	*71*		*36 - 111*
Benzo(a)pyrene-d12 (Surr) - RE	*79*		*10 - 110*
Fluoranthene-d10 (Surr) - RE	*81*		*47 - 128*

GC/MS VOA

Analysis Batch: 289040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1	FBS010_082022	Total/NA	Water	8260C	
410-94417-2	FBW001_082022	Total/NA	Water	8260C	
410-94417-3	DUP-01_082022	Total/NA	Water	8260C	
410-94417-4	FB-01_082022	Total/NA	Water	8260C	
410-94417-5	Trip Blank	Total/NA	Water	8260C	
MB 410-289040/7	Method Blank	Total/NA	Water	8260C	
LCS 410-289040/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 410-289040/5	Lab Control Sample Dup	Total/NA	Water	8260C	
410-94417-1 MS	FBS010-MS_082022	Total/NA	Water	8260C	
410-94417-1 MSD	FBS010-MSD_082022	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 286366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-4	FB-01_082022	Total/NA	Water	3510C	
410-94417-4 - RA	FB-01_082022	Total/NA	Water	3510C	
MB 410-286366/1-A	Method Blank	Total/NA	Water	3510C	
MB 410-286366/1-A - RA	Method Blank	Total/NA	Water	3510C	
LCS 410-286366/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-286366/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 286371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-4	FB-01_082022	Total/NA	Water	3510C	
MB 410-286371/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-286371/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-286371/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 286564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-4	FB-01_082022	Total/NA	Water	8270D	286371
MB 410-286371/1-A	Method Blank	Total/NA	Water	8270D	286371
LCS 410-286371/2-A	Lab Control Sample	Total/NA	Water	8270D	286371
LCSD 410-286371/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	286371

Analysis Batch: 286632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-4	FB-01_082022	Total/NA	Water	8270D SIM	286366
MB 410-286366/1-A	Method Blank	Total/NA	Water	8270D SIM	286366
LCS 410-286366/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	286366
LCSD 410-286366/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	286366

Analysis Batch: 287123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-4 - RA	FB-01_082022	Total/NA	Water	8270D SIM	286366
MB 410-286366/1-A - RA	Method Blank	Total/NA	Water	8270D SIM	286366

Prep Batch: 287248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1	FBS010_082022	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 287248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1 - RA	FBS010_082022	Total/NA	Water	3510C	
410-94417-2	FBW001_082022	Total/NA	Water	3510C	
410-94417-2 - RA	FBW001_082022	Total/NA	Water	3510C	
410-94417-3	DUP-01_082022	Total/NA	Water	3510C	
410-94417-3 - RA	DUP-01_082022	Total/NA	Water	3510C	
MB 410-287248/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-287248/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-287248/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-94417-1 MS	FBS010-MS_082022	Total/NA	Water	3510C	
410-94417-1 MS - RA	FBS010-MS_082022	Total/NA	Water	3510C	
410-94417-1 MSD	FBS010-MSD_082022	Total/NA	Water	3510C	
410-94417-1 MSD - RA	FBS010-MSD_082022	Total/NA	Water	3510C	

Prep Batch: 287252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1	FBS010_082022	Total/NA	Water	3510C	
410-94417-2	FBW001_082022	Total/NA	Water	3510C	
410-94417-3	DUP-01_082022	Total/NA	Water	3510C	
MB 410-287252/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-287252/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-287252/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-94417-1 MS	FBS010-MS_082022	Total/NA	Water	3510C	
410-94417-1 MSD	FBS010-MSD_082022	Total/NA	Water	3510C	

Analysis Batch: 287356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1	FBS010_082022	Total/NA	Water	8270D	287252
410-94417-2	FBW001_082022	Total/NA	Water	8270D	287252
410-94417-3	DUP-01_082022	Total/NA	Water	8270D	287252
MB 410-287252/1-A	Method Blank	Total/NA	Water	8270D	287252
LCS 410-287252/2-A	Lab Control Sample	Total/NA	Water	8270D	287252
LCSD 410-287252/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	287252
410-94417-1 MS	FBS010-MS_082022	Total/NA	Water	8270D	287252
410-94417-1 MSD	FBS010-MSD_082022	Total/NA	Water	8270D	287252

Analysis Batch: 287573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1	FBS010_082022	Total/NA	Water	8270D SIM	287248
410-94417-2	FBW001_082022	Total/NA	Water	8270D SIM	287248
410-94417-3	DUP-01_082022	Total/NA	Water	8270D SIM	287248
MB 410-287248/1-A	Method Blank	Total/NA	Water	8270D SIM	287248
LCS 410-287248/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	287248
LCSD 410-287248/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	287248
410-94417-1 MS	FBS010-MS_082022	Total/NA	Water	8270D SIM	287248
410-94417-1 MSD	FBS010-MSD_082022	Total/NA	Water	8270D SIM	287248

Analysis Batch: 287637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1 - RA	FBS010_082022	Total/NA	Water	8270D SIM	287248
410-94417-2 - RA	FBW001_082022	Total/NA	Water	8270D SIM	287248
410-94417-3 - RA	DUP-01_082022	Total/NA	Water	8270D SIM	287248

GC/MS Semi VOA (Continued)

Analysis Batch: 287637 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-287248/1-A	Method Blank	Total/NA	Water	8270D SIM	287248
LCS 410-287248/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	287248
LCSD 410-287248/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	287248
410-94417-1 MS - RA	FBS010-MS_082022	Total/NA	Water	8270D SIM	287248
410-94417-1 MSD - RA	FBS010-MSD_082022	Total/NA	Water	8270D SIM	287248

Prep Batch: 288127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1 - RE	FBS010_082022	Total/NA	Water	3510C	
410-94417-2 - RE	FBW001_082022	Total/NA	Water	3510C	
410-94417-3 - RE	DUP-01_082022	Total/NA	Water	3510C	
MB 410-288127/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-288127/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-288127/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-94417-1 MS - RE	FBS010-MS_082022	Total/NA	Water	3510C	
410-94417-1 MSD - RE	FBS010-MSD_082022	Total/NA	Water	3510C	

Analysis Batch: 288195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1 - RE	FBS010_082022	Total/NA	Water	8270D SIM	288127
410-94417-2 - RE	FBW001_082022	Total/NA	Water	8270D SIM	288127
410-94417-3 - RE	DUP-01_082022	Total/NA	Water	8270D SIM	288127
MB 410-288127/1-A	Method Blank	Total/NA	Water	8270D SIM	288127
LCS 410-288127/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	288127
LCSD 410-288127/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	288127
410-94417-1 MS - RE	FBS010-MS_082022	Total/NA	Water	8270D SIM	288127
410-94417-1 MSD - RE	FBS010-MSD_082022	Total/NA	Water	8270D SIM	288127

Lab Chronicle

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FBS010_082022

Lab Sample ID: 410-94417-1

Date Collected: 08/11/22 12:05

Matrix: Water

Date Received: 08/12/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	289040	TQ4J	ELLE	08/24/22 16:10
Total/NA	Prep	3510C			287252	XPN5	ELLE	08/18/22 09:50
Total/NA	Analysis	8270D		1	287356	P7EB	ELLE	08/19/22 00:52
Total/NA	Prep	3510C			287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM		1	287573	UJM0	ELLE	08/19/22 03:41
Total/NA	Prep	3510C	RE		288127	QJZ6	ELLE	08/21/22 10:35
Total/NA	Analysis	8270D SIM	RE	1	288195	SJ89	ELLE	08/22/22 08:44
Total/NA	Prep	3510C	RA		287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM	RA	1	287637	UJM0	ELLE	08/19/22 06:19

Client Sample ID: FBW001_082022

Lab Sample ID: 410-94417-2

Date Collected: 08/11/22 11:43

Matrix: Water

Date Received: 08/12/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	289040	TQ4J	ELLE	08/24/22 17:17
Total/NA	Prep	3510C			287252	XPN5	ELLE	08/18/22 09:50
Total/NA	Analysis	8270D		1	287356	P7EB	ELLE	08/19/22 01:55
Total/NA	Prep	3510C			287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM		1	287573	UJM0	ELLE	08/19/22 04:45
Total/NA	Prep	3510C	RE		288127	QJZ6	ELLE	08/21/22 10:35
Total/NA	Analysis	8270D SIM	RE	1	288195	SJ89	ELLE	08/22/22 10:52
Total/NA	Prep	3510C	RA		287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM	RA	1	287637	UJM0	ELLE	08/19/22 07:24

Client Sample ID: DUP-01_082022

Lab Sample ID: 410-94417-3

Date Collected: 08/11/22 08:00

Matrix: Water

Date Received: 08/12/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	289040	TQ4J	ELLE	08/24/22 17:39
Total/NA	Prep	3510C			287252	XPN5	ELLE	08/18/22 09:50
Total/NA	Analysis	8270D		1	287356	P7EB	ELLE	08/19/22 02:16
Total/NA	Prep	3510C			287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM		1	287573	UJM0	ELLE	08/19/22 05:06
Total/NA	Prep	3510C	RE		288127	QJZ6	ELLE	08/21/22 10:35
Total/NA	Analysis	8270D SIM	RE	1	288195	SJ89	ELLE	08/22/22 11:14
Total/NA	Prep	3510C	RA		287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM	RA	1	287637	UJM0	ELLE	08/19/22 07:46

Lab Chronicle

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FB-01_082022

Lab Sample ID: 410-94417-4

Date Collected: 08/11/22 11:45
Matrix: Water
Date Received: 08/12/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	289040	TQ4J	ELLE	08/24/22 12:08
Total/NA	Prep	3510C			286371	YDF5	ELLE	08/16/22 09:10
Total/NA	Analysis	8270D		1	286564	P7EB	ELLE	08/16/22 23:11
Total/NA	Prep	3510C			286366	YDF5	ELLE	08/16/22 09:09
Total/NA	Analysis	8270D SIM		1	286632	UJM0	ELLE	08/17/22 02:53
Total/NA	Prep	3510C	RA		286366	YDF5	ELLE	08/16/22 09:09
Total/NA	Analysis	8270D SIM	RA	1	287123	UJM0	ELLE	08/17/22 20:58

Client Sample ID: Trip Blank

Lab Sample ID: 410-94417-5

Date Collected: 08/11/22 00:00
Matrix: Water
Date Received: 08/12/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	289040	TQ4J	ELLE	08/24/22 12:30

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Missouri	State	450	01-31-25

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
8260C		Water	1,1,1-Trichloroethane
8260C		Water	1,1,2,2-Tetrachloroethane
8260C		Water	1,1,2-Trichloroethane
8260C		Water	1,1-Dichloroethane
8260C		Water	1,1-Dichloroethene
8260C		Water	1,2,4-Trichlorobenzene
8260C		Water	1,2,4-Trimethylbenzene
8260C		Water	1,2-Dibromo-3-Chloropropane
8260C		Water	1,2-Dibromoethane
8260C		Water	1,2-Dichlorobenzene
8260C		Water	1,2-Dichloroethane
8260C		Water	1,2-Dichloropropane
8260C		Water	1,3,5-Trimethylbenzene
8260C		Water	1,3-Dichlorobenzene
8260C		Water	1,4-Dichlorobenzene
8260C		Water	2-Butanone
8260C		Water	2-Hexanone
8260C		Water	4-Methyl-2-pentanone
8260C		Water	Acetone
8260C		Water	Benzene
8260C		Water	Bromodichloromethane
8260C		Water	Bromoform
8260C		Water	Bromomethane
8260C		Water	Carbon disulfide
8260C		Water	Carbon tetrachloride
8260C		Water	Chlorobenzene
8260C		Water	Chloroethane
8260C		Water	Chloroform
8260C		Water	Chloromethane
8260C		Water	cis-1,2-Dichloroethene
8260C		Water	cis-1,3-Dichloropropene
8260C		Water	Cyclohexane
8260C		Water	Dibromochloromethane
8260C		Water	Dichlorodifluoromethane
8260C		Water	Ethylbenzene
8260C		Water	Freon 113
8260C		Water	Isopropylbenzene
8260C		Water	Methyl acetate
8260C		Water	Methyl tertiary butyl ether
8260C		Water	Methylcyclohexane
8260C		Water	Methylene Chloride
8260C		Water	Styrene
8260C		Water	Tetrachloroethene
8260C		Water	Toluene
8260C		Water	trans-1,2-Dichloroethene

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date

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
8260C		Water	trans-1,3-Dichloropropene
8260C		Water	Trichloroethene
8260C		Water	Trichlorofluoromethane
8260C		Water	Vinyl chloride
8260C		Water	Xylenes, Total
8270D	3510C	Water	2,4-Dimethylphenol
8270D	3510C	Water	2,4-Dinitrophenol
8270D	3510C	Water	2-Chlorophenol
8270D	3510C	Water	Carbazole
8270D	3510C	Water	Phenol
8270D SIM	3510C	Water	1,4-Dioxane
8270D SIM	3510C	Water	1-Methylnaphthalene
8270D SIM	3510C	Water	2-Methylnaphthalene
8270D SIM	3510C	Water	Acenaphthene
8270D SIM	3510C	Water	Acenaphthylene
8270D SIM	3510C	Water	Anthracene
8270D SIM	3510C	Water	Benzo[a]anthracene
8270D SIM	3510C	Water	Benzo[a]pyrene
8270D SIM	3510C	Water	Benzo[b]fluoranthene
8270D SIM	3510C	Water	Benzo[g,h,i]perylene
8270D SIM	3510C	Water	Benzo[k]fluoranthene
8270D SIM	3510C	Water	Bis(2-chloroethyl)ether
8270D SIM	3510C	Water	Bis(2-ethylhexyl) phthalate
8270D SIM	3510C	Water	Butylbenzylphthalate
8270D SIM	3510C	Water	Chrysene
8270D SIM	3510C	Water	Dibenz(a,h)anthracene
8270D SIM	3510C	Water	Dibenzofuran
8270D SIM	3510C	Water	Diethylphthalate
8270D SIM	3510C	Water	Dimethylphthalate
8270D SIM	3510C	Water	Di-n-butyl phthalate
8270D SIM	3510C	Water	Di-n-octyl phthalate
8270D SIM	3510C	Water	Fluoranthene
8270D SIM	3510C	Water	Fluorene
8270D SIM	3510C	Water	Hexachlorobenzene
8270D SIM	3510C	Water	Indeno[1,2,3-cd]pyrene
8270D SIM	3510C	Water	Naphthalene
8270D SIM	3510C	Water	N-Nitrosodimethylamine
8270D SIM	3510C	Water	Phenanthrene
8270D SIM	3510C	Water	Pyrene

Method Summary

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	ELLE
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-94417-1	FBS010_082022	Water	08/11/22 12:05	08/12/22 10:20
410-94417-2	FBW001_082022	Water	08/11/22 11:43	08/12/22 10:20
410-94417-3	DUP-01_082022	Water	08/11/22 08:00	08/12/22 10:20
410-94417-4	FB-01_082022	Water	08/11/22 11:45	08/12/22 10:20
410-94417-5	Trip Blank	Water	08/11/22 00:00	08/12/22 10:20

s Environme

Chain of Custody Record

eurofins Environment Testing America

	Sampler: BENNETT CONWAY	Lab PM: Brown, Nicole	Carrier Tracking No(s):	COC No: 410-62340-14132.1
Client Contact: ~~Kay Kinsannon~~ JACK JACKSON	Phone:	E-Mail: Nicole Brown@et.eurofinsus.com	State of Origin: MO	Page: Page 1 of 1
Company: Environmental Works, Inc.	PWSID:	Analysis Requested		Job #:
Address: 1455 East Chestnut Expressway	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
City: Springfield	TAT Requested (days):			
State, Zip: MO, 65802	Compliance Project: Δ Yes Δ No			
Phone: ~~(863)687-2616(Tel)~~ 417-890-9500	PO #: SPRINGFIELD, MO			Other:
Email: ~~kkinsannon@environmentalworks.com~~ JJACKSON@ENVIRONMENTALWORKS.COM	WO #:			
Project Name: Springfield, MO – OFIWP	Project #: 41006923			
Site:	SSOW#:			

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 - Springfield, MO - 8260C TCL4.3 + TMB	8270D, 8270D_SIM	Total Number of containers	Special Instructions/Note:
FBS010_082022	8/11/22	1205	G	Water			X	X		
FBS010-MS_082022		1205		Water			X	X		
FBS010-MSD_082022		1205		Water			X	X		
FBW001_082022		1143		Water			X	X		
DUP-01_082022		0800		Water			X	X		
FB-01_082022		1145		Water			X	X		
				Water						
Trip Blank				Water						

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)

Special Instructions/QC Requirements: LEVEL II + LEVEL IV

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

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	7-29-22 07:00	FLE			
Relinquished by: BENNETT CONWAY	8/10/22 14:14	EWI			
Relinquished by:			Received by	8/12/22 1020	

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

Cooler Temperature(s) °C and Other Remarks: 2.0

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Environmental Works, Inc.

Job Number: 410-94417-1

Login Number: 94417
List Number: 1
Creator: Reiff, Nicole L

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal 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 (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

ANALYTICAL REPORT

Job Number: 410-94417-1

Job Description: Springfield, MO – OFIWP

For:
Environmental Works, Inc.
1455 East Chestnut Expressway
Springfield, MO 65802

Attention: Jack Jackson

Approved for release.
Nicole Brown
Project Manager
8/25/2022 4:47 PM

Nicole Brown, Project Manager
2425 New Holland Pike, Lancaster, PA, 17601
(717)471-3265
Nicole.Brown@et.eurofinsus.com
08/25/2022

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.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.

Job Number: 410-94417-1

Job Description: Springfield, MO – OFIWP

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

Table of Contents

Table of Contents

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
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.

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
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-94417-1

Receipt
The samples were received on 8/12/2022 10:20 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 time was 2.0°C

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 410-289040 recovered outside acceptance criteria, low biased, for Bromomethane, Chloromethane, Cyclohexane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 410-286564 recovered above the upper control limit for 2,4-Dinitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples is: FB-01_082022 (410-94417-4).

Method 8270D: The continuing calibration verification (CCV) associated with batch 410-287356 recovered above the upper control limit for 2,4-Dinitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: FBS010_082022 (410-94417-1), FBW001_082022 (410-94417-2) and DUP-01_082022 (410-94417-3).

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-286632 recovered above the upper control limit for Butylbenzylphthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples is: FB-01_082022 (410-94417-4).

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-287573 recovered above the upper control limit for Butylbenzylphthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D_SIM: Di-n-butyl phthalate was detected above the reporting limit (RL) and Bis(2-ethylhexyl) phthalate was detected above the method detection limit (MDL in the method blank associated with preparation batch 410-287248 and analytical batch 410-287637 as well as in the following samples: FBS010_082022 (410-94417-1), FBW001_082022 (410-94417-2) and DUP-01_082022 (410-94417-3). All affected samples were re-extracted and/or re-analyzed outside of holding time. Both sets of data have been reported.

Method 8270D_SIM: The laboratory control sample (LCS) for preparation batch 410-287248 and analytical batch 410-287637 recovered outside control limits for the following analytes: Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

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

Detection Summary

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FBS010_082022 — Lab Sample ID: 410-94417-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate - RA	0.64	J B *+ cn	1.0	0.052	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate - RA	16	B *+ cn	1.0	0.052	ug/L	1		8270D SIM	Total/NA

Client Sample ID: FBW001_082022 — Lab Sample ID: 410-94417-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethylphthalate	0.14	J	1.0	0.051	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RA	0.43	J B *+ cn	1.0	0.051	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate - RA	11	B *+ cn	1.0	0.051	ug/L	1		8270D SIM	Total/NA

Client Sample ID: DUP-01_082022 — Lab Sample ID: 410-94417-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate - RA	0.50	J B *+ cn	1.0	0.052	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate - RA	14	B *+ cn	1.0	0.052	ug/L	1		8270D SIM	Total/NA

Client Sample ID: FB-01_082022 — Lab Sample ID: 410-94417-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.3		1.0	0.30	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.096	J	1.3	0.066	ug/L	1		8270D SIM	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 410-94417-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: FBS010_082022 Lab Sample ID: 410-94417-1

Date Collected: 08/11/22 12:05 **Matrix: Water**
Date Received: 08/12/22 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 16:10	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 16:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 16:10	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 16:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 16:10	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 16:10	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 16:10	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 16:10	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 16:10	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 16:10	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 16:10	1
Acetone	ND		20	0.70	ug/L			08/24/22 16:10	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 16:10	1
Bromomethane	ND	cn	1.0	0.30	ug/L			08/24/22 16:10	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 16:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Chloroform	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Chloromethane	ND	cn	2.0	0.55	ug/L			08/24/22 16:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			08/24/22 16:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 16:10	1
Freon 113	ND		10	0.30	ug/L			08/24/22 16:10	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 16:10	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 16:10	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 16:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 16:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 16:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 16:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 16:10	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 16:10	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			08/24/22 16:10	1

Client Sample ID: FBS010_082022 — Lab Sample ID: 410-94417-1

Date Collected: 08/11/22 12:05 — **Matrix: Water**
Date Received: 08/12/22 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/24/22 16:10*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*08/24/22 16:10*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*08/24/22 16:10*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/24/22 16:10*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.31	0.10	ug/L		08/18/22 09:43	08/19/22 03:41	1
1-Methylnaphthalene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
2-Methylnaphthalene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Acenaphthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Acenaphthylene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Anthracene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Benzo[a]anthracene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Benzo[a]pyrene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Benzo[b]fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Benzo[g,h,i]perylene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Benzo[k]fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Bis(2-chloroethyl)ether	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Butylbenzylphthalate	ND	cn	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 03:41	1
Chrysene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Dibenz(a,h)anthracene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Dibenzofuran	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Diethylphthalate	ND		1.0	0.052	ug/L		08/18/22 09:43	08/19/22 03:41	1
Dimethylphthalate	ND	F2	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 03:41	1
Di-n-octyl phthalate	ND		1.0	0.052	ug/L		08/18/22 09:43	08/19/22 03:41	1
Fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Fluorene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1
Hexachlorobenzene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Indeno[1,2,3-cd]pyrene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Naphthalene	ND		0.073	0.031	ug/L		08/18/22 09:43	08/19/22 03:41	1
N-Nitrosodimethylamine	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 03:41	1
Phenanthrene	ND		0.073	0.031	ug/L		08/18/22 09:43	08/19/22 03:41	1
Pyrene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*61*		*36 - 111*	*08/18/22 09:43*	*08/19/22 03:41*	*1*
Benzo(a)pyrene-d12 (Surr)	*72*		*10 - 110*	*08/18/22 09:43*	*08/19/22 03:41*	*1*
Fluoranthene-d10 (Surr)	*76*		*47 - 128*	*08/18/22 09:43*	*08/19/22 03:41*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.64**	**J B *+ cn**	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 06:19	1
Di-n-butyl phthalate	**16**	**B *+ cn**	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*61*		*36 - 111*	*08/18/22 09:43*	*08/19/22 06:19*	*1*
Benzo(a)pyrene-d12 (Surr)	*72*		*10 - 110*	*08/18/22 09:43*	*08/19/22 06:19*	*1*

Client Sample ID: FBS010_082022 — Lab Sample ID: 410-94417-1

Date Collected: 08/11/22 12:05 — **Matrix: Water**
Date Received: 08/12/22 10:20

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*70*		*47 - 128*	*08/18/22 09:43*	*08/19/22 06:19*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		08/18/22 09:50	08/19/22 00:52	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		08/18/22 09:50	08/19/22 00:52	1
2-Chlorophenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 00:52	1
Carbazole	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 00:52	1
Phenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*10 - 150*	*08/18/22 09:50*	*08/19/22 00:52*	*1*
2-Fluorobiphenyl (Surr)	*71*		*44 - 120*	*08/18/22 09:50*	*08/19/22 00:52*	*1*
2-Fluorophenol (Surr)	*47*		*10 - 120*	*08/18/22 09:50*	*08/19/22 00:52*	*1*
Nitrobenzene-d5 (Surr)	*86*		*25 - 125*	*08/18/22 09:50*	*08/19/22 00:52*	*1*
Phenol-d5 (Surr)	*35*		*10 - 120*	*08/18/22 09:50*	*08/19/22 00:52*	*1*
p-Terphenyl-d14 (Surr)	*96*		*37 - 120*	*08/18/22 09:50*	*08/19/22 00:52*	*1*

Client Sample ID: FBW001_082022 — Lab Sample ID: 410-94417-2

Date Collected: 08/11/22 11:43 — **Matrix: Water**
Date Received: 08/12/22 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 17:17	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 17:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 17:17	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 17:17	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 17:17	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 17:17	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 17:17	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 17:17	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 17:17	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 17:17	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 17:17	1
Acetone	ND		20	0.70	ug/L			08/24/22 17:17	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 17:17	1
Bromomethane	ND	cn	1.0	0.30	ug/L			08/24/22 17:17	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 17:17	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 17:17	1

Client Sample ID: FBW001_082022 — Lab Sample ID: 410-94417-2

Date Collected: 08/11/22 11:43 — **Matrix: Water**
Date Received: 08/12/22 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Chloroform	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Chloromethane	ND	cn	2.0	0.55	ug/L			08/24/22 17:17	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:17	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			08/24/22 17:17	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 17:17	1
Freon 113	ND		10	0.30	ug/L			08/24/22 17:17	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 17:17	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 17:17	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 17:17	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 17:17	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 17:17	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 17:17	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:17	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 17:17	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			08/24/22 17:17	1
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/24/22 17:17*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*08/24/22 17:17*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*08/24/22 17:17*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/24/22 17:17*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		08/18/22 09:43	08/19/22 04:45	1
1-Methylnaphthalene	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
2-Methylnaphthalene	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Acenaphthene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Acenaphthylene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Anthracene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Benzo[a]anthracene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Benzo[a]pyrene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Benzo[b]fluoranthene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Benzo[g,h,i]perylene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Benzo[k]fluoranthene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Bis(2-chloroethyl)ether	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		08/18/22 09:43	08/19/22 04:45	1
Chrysene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Dibenz(a,h)anthracene	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Dibenzofuran	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Diethylphthalate	**0.14**	**J**	1.0	0.051	ug/L		08/18/22 09:43	08/19/22 04:45	1

Client Sample ID: FBW001_082022 — Lab Sample ID: 410-94417-2

Date Collected: 08/11/22 11:43 — **Matrix: Water**
Date Received: 08/12/22 10:20

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethylphthalate	ND		1.0	0.051	ug/L		08/18/22 09:43	08/19/22 04:45	1
Di-n-octyl phthalate	ND		1.0	0.051	ug/L		08/18/22 09:43	08/19/22 04:45	1
Fluoranthene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Fluorene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1
Hexachlorobenzene	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Naphthalene	ND		0.071	0.030	ug/L		08/18/22 09:43	08/19/22 04:45	1
N-Nitrosodimethylamine	ND		0.051	0.020	ug/L		08/18/22 09:43	08/19/22 04:45	1
Phenanthrene	ND		0.071	0.030	ug/L		08/18/22 09:43	08/19/22 04:45	1
Pyrene	ND		0.051	0.010	ug/L		08/18/22 09:43	08/19/22 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*57*		*36 - 111*	*08/18/22 09:43*	*08/19/22 04:45*	*1*
Benzo(a)pyrene-d12 (Surr)	*70*		*10 - 110*	*08/18/22 09:43*	*08/19/22 04:45*	*1*
Fluoranthene-d10 (Surr)	*74*		*47 - 128*	*08/18/22 09:43*	*08/19/22 04:45*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.43**	**J B *+ cn**	1.0	0.051	ug/L		08/18/22 09:43	08/19/22 07:24	1
Di-n-butyl phthalate	**11**	**B *+ cn**	1.0	0.051	ug/L		08/18/22 09:43	08/19/22 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*59*		*36 - 111*	*08/18/22 09:43*	*08/19/22 07:24*	*1*
Benzo(a)pyrene-d12 (Surr)	*71*		*10 - 110*	*08/18/22 09:43*	*08/19/22 07:24*	*1*
Fluoranthene-d10 (Surr)	*68*		*47 - 128*	*08/18/22 09:43*	*08/19/22 07:24*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		08/18/22 09:50	08/19/22 01:55	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		08/18/22 09:50	08/19/22 01:55	1
2-Chlorophenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 01:55	1
Carbazole	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 01:55	1
Phenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*08/18/22 09:50*	*08/19/22 01:55*	*1*
2-Fluorobiphenyl (Surr)	*66*		*44 - 120*	*08/18/22 09:50*	*08/19/22 01:55*	*1*
2-Fluorophenol (Surr)	*43*		*10 - 120*	*08/18/22 09:50*	*08/19/22 01:55*	*1*
Nitrobenzene-d5 (Surr)	*80*		*25 - 125*	*08/18/22 09:50*	*08/19/22 01:55*	*1*
Phenol-d5 (Surr)	*32*		*10 - 120*	*08/18/22 09:50*	*08/19/22 01:55*	*1*
p-Terphenyl-d14 (Surr)	*90*		*37 - 120*	*08/18/22 09:50*	*08/19/22 01:55*	*1*

Client Sample ID: DUP-01_082022 — Lab Sample ID: 410-94417-3

Date Collected: 08/11/22 08:00 — **Matrix: Water**
Date Received: 08/12/22 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:39	1

Client Sample ID: DUP-01_082022 Lab Sample ID: 410-94417-3

Date Collected: 08/11/22 08:00 **Matrix: Water**
Date Received: 08/12/22 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 17:39	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 17:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 17:39	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 17:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 17:39	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 17:39	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 17:39	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 17:39	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 17:39	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 17:39	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 17:39	1
Acetone	ND		20	0.70	ug/L			08/24/22 17:39	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 17:39	1
Bromomethane	ND	cn	1.0	0.30	ug/L			08/24/22 17:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 17:39	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Chloroform	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Chloromethane	ND	cn	2.0	0.55	ug/L			08/24/22 17:39	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			08/24/22 17:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 17:39	1
Freon 113	ND		10	0.30	ug/L			08/24/22 17:39	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 17:39	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 17:39	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 17:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 17:39	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 17:39	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 17:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 17:39	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 17:39	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			08/24/22 17:39	1
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/24/22 17:39*	*1*

Client Sample ID: DUP-01_082022 — Lab Sample ID: 410-94417-3

Date Collected: 08/11/22 08:00 — **Matrix: Water**
Date Received: 08/12/22 10:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*08/24/22 17:39*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*08/24/22 17:39*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/24/22 17:39*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.31	0.10	ug/L		08/18/22 09:43	08/19/22 05:06	1
1-Methylnaphthalene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
2-Methylnaphthalene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Acenaphthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Acenaphthylene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Anthracene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Benzo[a]anthracene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Benzo[a]pyrene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Benzo[b]fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Benzo[g,h,i]perylene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Benzo[k]fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Bis(2-chloroethyl)ether	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Butylbenzylphthalate	ND	cn	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 05:06	1
Chrysene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Dibenz(a,h)anthracene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Dibenzofuran	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Diethylphthalate	ND		1.0	0.052	ug/L		08/18/22 09:43	08/19/22 05:06	1
Dimethylphthalate	ND		1.0	0.052	ug/L		08/18/22 09:43	08/19/22 05:06	1
Di-n-octyl phthalate	ND		1.0	0.052	ug/L		08/18/22 09:43	08/19/22 05:06	1
Fluoranthene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Fluorene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1
Hexachlorobenzene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Indeno[1,2,3-cd]pyrene	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Naphthalene	ND		0.073	0.031	ug/L		08/18/22 09:43	08/19/22 05:06	1
N-Nitrosodimethylamine	ND		0.052	0.021	ug/L		08/18/22 09:43	08/19/22 05:06	1
Phenanthrene	ND		0.073	0.031	ug/L		08/18/22 09:43	08/19/22 05:06	1
Pyrene	ND		0.052	0.010	ug/L		08/18/22 09:43	08/19/22 05:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene-d10 (Surr)	*57*		*36 - 111*	*08/18/22 09:43*	*08/19/22 05:06*	*1*
Benzo(a)pyrene-d12 (Surr)	*68*		*10 - 110*	*08/18/22 09:43*	*08/19/22 05:06*	*1*
Fluoranthene-d10 (Surr)	*79*		*47 - 128*	*08/18/22 09:43*	*08/19/22 05:06*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.50**	**J B *+ cn**	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 07:46	1
Di-n-butyl phthalate	**14**	**B *+ cn**	1.0	0.052	ug/L		08/18/22 09:43	08/19/22 07:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene-d10 (Surr)	*59*		*36 - 111*	*08/18/22 09:43*	*08/19/22 07:46*	*1*
Benzo(a)pyrene-d12 (Surr)	*69*		*10 - 110*	*08/18/22 09:43*	*08/19/22 07:46*	*1*
Fluoranthene-d10 (Surr)	*73*		*47 - 128*	*08/18/22 09:43*	*08/19/22 07:46*	*1*

Client Sample ID: DUP-01_082022 — Lab Sample ID: 410-94417-3

Date Collected: 08/11/22 08:00 — **Matrix: Water**
Date Received: 08/12/22 10:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		08/18/22 09:50	08/19/22 02:16	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		08/18/22 09:50	08/19/22 02:16	1
2-Chlorophenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 02:16	1
Carbazole	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 02:16	1
Phenol	ND		2	0.5	ug/L		08/18/22 09:50	08/19/22 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 150*	*08/18/22 09:50*	*08/19/22 02:16*	*1*
2-Fluorobiphenyl (Surr)	*67*		*44 - 120*	*08/18/22 09:50*	*08/19/22 02:16*	*1*
2-Fluorophenol (Surr)	*46*		*10 - 120*	*08/18/22 09:50*	*08/19/22 02:16*	*1*
Nitrobenzene-d5 (Surr)	*82*		*25 - 125*	*08/18/22 09:50*	*08/19/22 02:16*	*1*
Phenol-d5 (Surr)	*35*		*10 - 120*	*08/18/22 09:50*	*08/19/22 02:16*	*1*
p-Terphenyl-d14 (Surr)	*100*		*37 - 120*	*08/18/22 09:50*	*08/19/22 02:16*	*1*

Client Sample ID: FB-01_082022 — Lab Sample ID: 410-94417-4

Date Collected: 08/11/22 11:45 — **Matrix: Water**
Date Received: 08/12/22 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 12:08	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 12:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 12:08	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 12:08	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 12:08	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 12:08	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 12:08	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 12:08	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 12:08	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 12:08	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 12:08	1
Acetone	ND		20	0.70	ug/L			08/24/22 12:08	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 12:08	1
Bromomethane	ND	cn	1.0	0.30	ug/L			08/24/22 12:08	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 12:08	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Chloroform	**1.3**		1.0	0.30	ug/L			08/24/22 12:08	1
Chloromethane	ND	cn	2.0	0.55	ug/L			08/24/22 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:08	1

Client Sample ID: FB-01_082022 Lab Sample ID: 410-94417-4

Date Collected: 08/11/22 11:45 **Matrix: Water**
Date Received: 08/12/22 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			08/24/22 12:08	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 12:08	1
Freon 113	ND		10	0.30	ug/L			08/24/22 12:08	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 12:08	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 12:08	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 12:08	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 12:08	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 12:08	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 12:08	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:08	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 12:08	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			08/24/22 12:08	1
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*08/24/22 12:08*	*1*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*08/24/22 12:08*	*1*
Dibromofluoromethane (Surr)	*120*		*80 - 120*		*08/24/22 12:08*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/24/22 12:08*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.13	ug/L		08/16/22 09:09	08/17/22 02:53	1
1-Methylnaphthalene	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
2-Methylnaphthalene	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Acenaphthene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Acenaphthylene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Anthracene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Benzo[a]anthracene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Benzo[a]pyrene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Benzo[b]fluoranthene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Benzo[g,h,i]perylene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Benzo[k]fluoranthene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Bis(2-chloroethyl)ether	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Butylbenzylphthalate	ND	cn	1.3	0.066	ug/L		08/16/22 09:09	08/17/22 02:53	1
Chrysene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Dibenz(a,h)anthracene	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Dibenzofuran	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Diethylphthalate	ND		1.3	0.066	ug/L		08/16/22 09:09	08/17/22 02:53	1
Dimethylphthalate	ND		1.3	0.066	ug/L		08/16/22 09:09	08/17/22 02:53	1
Di-n-butyl phthalate	**0.096**	**J**	1.3	0.066	ug/L		08/16/22 09:09	08/17/22 02:53	1
Di-n-octyl phthalate	ND		1.3	0.066	ug/L		08/16/22 09:09	08/17/22 02:53	1
Fluoranthene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1

Client Sample ID: FB-01_082022 — Lab Sample ID: 410-94417-4

Date Collected: 08/11/22 11:45 — **Matrix: Water**
Date Received: 08/12/22 10:20

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1
Hexachlorobenzene	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Indeno[1,2,3-cd]pyrene	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Naphthalene	ND		0.093	0.040	ug/L		08/16/22 09:09	08/17/22 02:53	1
N-Nitrosodimethylamine	ND		0.066	0.026	ug/L		08/16/22 09:09	08/17/22 02:53	1
Phenanthrene	ND		0.093	0.040	ug/L		08/16/22 09:09	08/17/22 02:53	1
Pyrene	ND		0.066	0.013	ug/L		08/16/22 09:09	08/17/22 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*62*		*36 - 111*	*08/16/22 09:09*	*08/17/22 02:53*	*1*
Benzo(a)pyrene-d12 (Surr)	*76*		*10 - 110*	*08/16/22 09:09*	*08/17/22 02:53*	*1*
Fluoranthene-d10 (Surr)	*76*		*47 - 128*	*08/16/22 09:09*	*08/17/22 02:53*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		1.3	0.066	ug/L		08/16/22 09:09	08/17/22 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*67*		*36 - 111*	*08/16/22 09:09*	*08/17/22 20:58*	*1*
Benzo(a)pyrene-d12 (Surr)	*74*		*10 - 110*	*08/16/22 09:09*	*08/17/22 20:58*	*1*
Fluoranthene-d10 (Surr)	*73*		*47 - 128*	*08/16/22 09:09*	*08/17/22 20:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	4	ug/L		08/16/22 09:10	08/16/22 23:11	1
2,4-Dinitrophenol	ND	cn	40	20	ug/L		08/16/22 09:10	08/16/22 23:11	1
2-Chlorophenol	ND		3	0.7	ug/L		08/16/22 09:10	08/16/22 23:11	1
Carbazole	ND		3	0.7	ug/L		08/16/22 09:10	08/16/22 23:11	1
Phenol	ND		3	0.7	ug/L		08/16/22 09:10	08/16/22 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 150*	*08/16/22 09:10*	*08/16/22 23:11*	*1*
2-Fluorobiphenyl (Surr)	*75*		*44 - 120*	*08/16/22 09:10*	*08/16/22 23:11*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 120*	*08/16/22 09:10*	*08/16/22 23:11*	*1*
Nitrobenzene-d5 (Surr)	*73*		*25 - 125*	*08/16/22 09:10*	*08/16/22 23:11*	*1*
Phenol-d5 (Surr)	*40*		*10 - 120*	*08/16/22 09:10*	*08/16/22 23:11*	*1*
p-Terphenyl-d14 (Surr)	*98*		*37 - 120*	*08/16/22 09:10*	*08/16/22 23:11*	*1*

Client Sample ID: Trip Blank — Lab Sample ID: 410-94417-5

Date Collected: 08/11/22 00:00 — **Matrix: Water**
Date Received: 08/12/22 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 12:30	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 12:30	1

Client Sample ID: Trip Blank
Date Collected: 08/11/22 00:00
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 12:30	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 12:30	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 12:30	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 12:30	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 12:30	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 12:30	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 12:30	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 12:30	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 12:30	1
Acetone	ND		20	0.70	ug/L			08/24/22 12:30	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 12:30	1
Bromomethane	ND	cn	1.0	0.30	ug/L			08/24/22 12:30	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 12:30	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Chloroform	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Chloromethane	ND	cn	2.0	0.55	ug/L			08/24/22 12:30	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			08/24/22 12:30	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 12:30	1
Freon 113	ND		10	0.30	ug/L			08/24/22 12:30	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 12:30	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 12:30	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 12:30	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 12:30	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 12:30	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 12:30	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 12:30	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 12:30	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			08/24/22 12:30	1
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*08/24/22 12:30*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*08/24/22 12:30*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*08/24/22 12:30*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/24/22 12:30*	*1*

Action Limit Summary

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FBS010_082022 — Lab Sample ID: 410-94417-1

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND		ug/L	36	0.052	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.052	8270D SIM	Total/NA
Anthracene	ND		ug/L	9600	0.052	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.052	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.052	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.052	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.073	8270D SIM	Total/NA
Pyrene	ND		ug/L	960	0.052	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: FBW001_082022 — Lab Sample ID: 410-94417-2

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND		ug/L	36	0.051	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.051	8270D SIM	Total/NA
Anthracene	ND		ug/L	9600	0.051	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.051	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.051	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.051	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.071	8270D SIM	Total/NA

Client Sample ID: FBW001_082022 (Continued) Lab Sample ID: 410-94417-2

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Pyrene	ND		ug/L	960	0.051	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: DUP-01_082022 Lab Sample ID: 410-94417-3

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND		ug/L	36	0.052	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.052	8270D SIM	Total/NA
Anthracene	ND		ug/L	9600	0.052	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.052	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.052	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.052	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.052	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.073	8270D SIM	Total/NA
Pyrene	ND		ug/L	960	0.052	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: FB-01_082022 Lab Sample ID: 410-94417-4

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND		ug/L	36	0.066	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.066	8270D SIM	Total/NA

Client Sample ID: FB-01_082022 (Continued) Lab Sample ID: 410-94417-4

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Anthracene	ND		ug/L	9600	0.066	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.066	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.066	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.066	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.066	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.093	8270D SIM	Total/NA
Pyrene	ND		ug/L	960	0.066	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	40	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	3	8270D	Total/NA
Phenol	ND		ug/L	300	3	8270D	Total/NA

Client Sample ID: Trip Blank Lab Sample ID: 410-94417-5

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA

Default Detection Limits

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

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

Analyte	RL	MDL	Units
1,1,1-Trichloroethane	1.0	0.30	ug/L
1,1,2,2-Tetrachloroethane	1.0	0.30	ug/L
1,1,2-Trichloroethane	1.0	0.30	ug/L
1,1-Dichloroethane	1.0	0.30	ug/L
1,1-Dichloroethene	1.0	0.30	ug/L
1,2,4-Trichlorobenzene	5.0	0.30	ug/L
1,2,4-Trimethylbenzene	5.0	1.0	ug/L
1,2-Dibromo-3-Chloropropane	5.0	0.30	ug/L
1,2-Dibromoethane	1.0	0.20	ug/L
1,2-Dichlorobenzene	5.0	0.20	ug/L
1,2-Dichloroethane	1.0	0.30	ug/L
1,2-Dichloropropane	1.0	0.30	ug/L
1,3,5-Trimethylbenzene	5.0	0.30	ug/L
1,3-Dichlorobenzene	5.0	0.68	ug/L
1,4-Dichlorobenzene	5.0	0.30	ug/L
2-Butanone	10	0.50	ug/L
2-Hexanone	10	0.85	ug/L
4-Methyl-2-pentanone	10	0.50	ug/L
Acetone	20	0.70	ug/L
Benzene	1.0	0.30	ug/L
Bromodichloromethane	1.0	0.20	ug/L
Bromoform	4.0	1.0	ug/L
Bromomethane	1.0	0.30	ug/L
Carbon disulfide	5.0	0.30	ug/L
Carbon tetrachloride	1.0	0.30	ug/L
Chlorobenzene	1.0	0.30	ug/L
Chloroethane	1.0	0.20	ug/L
Chloroform	1.0	0.30	ug/L
Chloromethane	2.0	0.55	ug/L
cis-1,2-Dichloroethene	1.0	0.30	ug/L
cis-1,3-Dichloropropene	1.0	0.20	ug/L
Cyclohexane	5.0	1.0	ug/L
Dibromochloromethane	1.0	0.20	ug/L
Dichlorodifluoromethane	1.0	0.20	ug/L
Ethylbenzene	1.0	0.40	ug/L
Freon 113	10	0.30	ug/L
Isopropylbenzene	5.0	0.20	ug/L
Methyl acetate	5.0	0.30	ug/L
Methyl tertiary butyl ether	1.0	0.20	ug/L
Methylcyclohexane	5.0	0.50	ug/L
Methylene Chloride	1.0	0.30	ug/L
Styrene	5.0	0.30	ug/L
Tetrachloroethene	1.0	0.30	ug/L
Toluene	1.0	0.20	ug/L
trans-1,2-Dichloroethene	2.0	0.70	ug/L
trans-1,3-Dichloropropene	1.0	0.20	ug/L
Trichloroethene	1.0	0.30	ug/L
Trichlorofluoromethane	1.0	0.20	ug/L
Vinyl chloride	1.0	0.20	ug/L
Xylenes, Total	1.0	0.40	ug/L

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Prep: 3510C

Default Detection Limits

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Prep: 3510C

Analyte	RL	MDL	Units
1,4-Dioxane	0.30	0.10	ug/L
1-Methylnaphthalene	0.050	0.020	ug/L
2-Methylnaphthalene	0.050	0.020	ug/L
Acenaphthene	0.050	0.010	ug/L
Acenaphthylene	0.050	0.010	ug/L
Anthracene	0.050	0.010	ug/L
Benzo[a]anthracene	0.050	0.010	ug/L
Benzo[a]pyrene	0.050	0.010	ug/L
Benzo[b]fluoranthene	0.050	0.010	ug/L
Benzo[g,h,i]perylene	0.050	0.010	ug/L
Benzo[k]fluoranthene	0.050	0.010	ug/L
Bis(2-chloroethyl)ether	0.050	0.020	ug/L
Bis(2-ethylhexyl) phthalate	1.0	0.050	ug/L
Butylbenzylphthalate	1.0	0.050	ug/L
Chrysene	0.050	0.010	ug/L
Dibenz(a,h)anthracene	0.050	0.020	ug/L
Dibenzofuran	0.050	0.010	ug/L
Diethylphthalate	1.0	0.050	ug/L
Dimethylphthalate	1.0	0.050	ug/L
Di-n-butyl phthalate	1.0	0.050	ug/L
Di-n-octyl phthalate	1.0	0.050	ug/L
Fluoranthene	0.050	0.010	ug/L
Fluorene	0.050	0.010	ug/L
Hexachlorobenzene	0.050	0.020	ug/L
Indeno[1,2,3-cd]pyrene	0.050	0.020	ug/L
Naphthalene	0.070	0.030	ug/L
N-Nitrosodimethylamine	0.050	0.020	ug/L
Phenanthrene	0.070	0.030	ug/L
Pyrene	0.050	0.010	ug/L

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Prep: 3510C

Analyte	RL	MDL	Units
2,4-Dimethylphenol	10	3	ug/L
2,4-Dinitrophenol	30	10	ug/L
2-Chlorophenol	2	0.5	ug/L
Carbazole	2	0.5	ug/L
Phenol	2	0.5	ug/L

Surrogate Summary

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

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	(80-120)	(80-120)	(80-120)	(80-120)
410-94417-1	FBS010_082022	109	88	119	95
410-94417-1 MS	FBS010-MS_082022	105	102	109	101
410-94417-1 MSD	FBS010-MSD_082022	105	101	107	101
410-94417-2	FBW001_082022	109	90	117	96
410-94417-3	DUP-01_082022	109	90	118	96
410-94417-4	FB-01_082022	107	87	120	95
410-94417-5	Trip Blank	110	89	119	95
LCS 410-289040/4	Lab Control Sample	107	100	108	101
LCSD 410-289040/5	Lab Control Sample Dup	104	101	109	102
MB 410-289040/7	Method Blank	107	90	116	95

Surrogate Legend

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

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(10-150)	(44-120)	(10-120)	(25-125)	(10-120)	(37-120)
410-94417-1	FBS010_082022	87	71	47	86	35	96
410-94417-1 MS	FBS010-MS_082022	95	78	60	87	48	87
410-94417-1 MSD	FBS010-MSD_082022	90	79	60	86	48	87
410-94417-2	FBW001_082022	81	66	43	80	32	90
410-94417-3	DUP-01_082022	91	67	46	82	35	100
410-94417-4	FB-01_082022	97	75	51	73	40	98
LCS 410-286371/2-A	Lab Control Sample	95	81	51	78	39	101
LCS 410-287252/2-A	Lab Control Sample	88	72	55	78	44	94
LCSD 410-286371/3-A	Lab Control Sample Dup	81	69	52	69	40	80
LCSD 410-287252/3-A	Lab Control Sample Dup	96	80	58	84	45	102
MB 410-286371/1-A	Method Blank	92	70	49	71	36	95
MB 410-287252/1-A	Method Blank	83	69	46	75	35	94

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		MNPd10	BAPd12	FLN10
Lab Sample ID	Client Sample ID	(36-111)	(10-110)	(47-128)
410-94417-1	FBS010_082022	61	72	76

Surrogate Summary

Client: Environmental Works, Inc. Job ID: 410-94417-1
Project/Site: Springfield, MO – OFIWP

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	MNPd10 (36-111)	BAPd12 (10-110)	FLN10 (47-128)
410-94417-1 - RA	FBS010_082022	61	72	70
410-94417-1 MS	FBS010-MS_082022	65	84	81
410-94417-1 MS - RA	FBS010-MS_082022	65	80	75
410-94417-1 MSD	FBS010-MSD_082022	67	80	83
410-94417-1 MSD - RA	FBS010-MSD_082022	67	78	77
410-94417-2	FBW001_082022	57	70	74
410-94417-2 - RA	FBW001_082022	59	71	68
410-94417-3	DUP-01_082022	57	68	79
410-94417-3 - RA	DUP-01_082022	59	69	73
410-94417-4	FB-01_082022	62	76	76
410-94417-4 - RA	FB-01_082022	67	74	73
LCS 410-286366/2-A	Lab Control Sample	67	86	80
LCS 410-287248/2-A	Lab Control Sample	62	82	77
LCS 410-287248/2-A	Lab Control Sample	64	83	73
LCSD 410-286366/3-A	Lab Control Sample Dup	67	88	80
LCSD 410-287248/3-A	Lab Control Sample Dup	59	75	70
LCSD 410-287248/3-A	Lab Control Sample Dup	60	74	68
MB 410-286366/1-A	Method Blank	66	80	79
MB 410-286366/1-A - RA	Method Blank	73	85	78
MB 410-287248/1-A	Method Blank	60	72	72
MB 410-287248/1-A	Method Blank	63	75	65

Surrogate Legend

MNPd10 = 1-Methylnaphthalene-d10 (Surr)
BAPd12 = Benzo(a)pyrene-d12 (Surr)
FLN10 = Fluoranthene-d10 (Surr)

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

Lab Sample ID: MB 410-289040/7
Matrix: Water
Analysis Batch: 289040

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	0.30	ug/L			08/24/22 10:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 10:55	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			08/24/22 10:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/24/22 10:55	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/24/22 10:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			08/24/22 10:55	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/24/22 10:55	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/24/22 10:55	1
2-Butanone	ND		10	0.50	ug/L			08/24/22 10:55	1
2-Hexanone	ND		10	0.85	ug/L			08/24/22 10:55	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/24/22 10:55	1
Acetone	ND		20	0.70	ug/L			08/24/22 10:55	1
Benzene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Bromoform	ND		4.0	1.0	ug/L			08/24/22 10:55	1
Bromomethane	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/24/22 10:55	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Chloroethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Chloroform	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Chloromethane	ND		2.0	0.55	ug/L			08/24/22 10:55	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Cyclohexane	ND		5.0	1.0	ug/L			08/24/22 10:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/24/22 10:55	1
Freon 113	ND		10	0.30	ug/L			08/24/22 10:55	1
Isopropylbenzene	ND		5.0	0.20	ug/L			08/24/22 10:55	1
Methyl acetate	ND		5.0	0.30	ug/L			08/24/22 10:55	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/24/22 10:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Styrene	ND		5.0	0.30	ug/L			08/24/22 10:55	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Toluene	ND		1.0	0.20	ug/L			08/24/22 10:55	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/24/22 10:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Trichloroethene	ND		1.0	0.30	ug/L			08/24/22 10:55	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/22 10:55	1

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

Lab Sample ID: MB 410-289040/7
Matrix: Water
Analysis Batch: 289040

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.20	ug/L			08/24/22 10:55	1
Xylenes, Total	ND		1.0	0.40	ug/L			08/24/22 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*08/24/22 10:55*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*08/24/22 10:55*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*08/24/22 10:55*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/24/22 10:55*	*1*

Lab Sample ID: LCS 410-289040/4
Matrix: Water
Analysis Batch: 289040

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.5		ug/L		108	67 - 126
1,1,2,2-Tetrachloroethane	20.0	18.5		ug/L		93	72 - 120
1,1,2-Trichloroethane	20.0	19.7		ug/L		99	80 - 120
1,1-Dichloroethane	20.0	19.5		ug/L		97	80 - 120
1,1-Dichloroethene	20.0	20.0		ug/L		100	80 - 131
1,2,4-Trichlorobenzene	20.0	16.9		ug/L		84	63 - 120
1,2,4-Trimethylbenzene	20.0	18.2		ug/L		91	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.2		ug/L		81	47 - 131
1,2-Dibromoethane	20.0	20.0		ug/L		100	77 - 120
1,2-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120
1,2-Dichloroethane	20.0	21.4		ug/L		107	73 - 124
1,2-Dichloropropane	20.0	18.8		ug/L		94	80 - 120
1,3,5-Trimethylbenzene	20.0	17.9		ug/L		90	75 - 120
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.5		ug/L		98	80 - 120
2-Butanone	250	255		ug/L		102	59 - 135
2-Hexanone	250	271		ug/L		109	56 - 135
4-Methyl-2-pentanone	250	257		ug/L		103	62 - 133
Acetone	250	265		ug/L		106	54 - 157
Benzene	20.0	19.6		ug/L		98	80 - 120
Bromodichloromethane	20.0	20.6		ug/L		103	71 - 120
Bromoform	20.0	19.9		ug/L		99	51 - 120
Bromomethane	20.0	15.7		ug/L		78	53 - 128
Carbon disulfide	20.0	19.9		ug/L		99	65 - 128
Carbon tetrachloride	20.0	22.7		ug/L		113	64 - 134
Chlorobenzene	20.0	19.2		ug/L		96	80 - 120
Chloroethane	20.0	17.4		ug/L		87	55 - 123
Chloroform	20.0	20.8		ug/L		104	80 - 120
Chloromethane	20.0	16.3		ug/L		81	56 - 121
cis-1,2-Dichloroethene	20.0	21.1		ug/L		106	80 - 125
cis-1,3-Dichloropropene	20.0	18.5		ug/L		92	75 - 120
Cyclohexane	20.0	16.5		ug/L		83	68 - 126
Dibromochloromethane	20.0	20.0		ug/L		100	71 - 120
Dichlorodifluoromethane	20.0	18.4		ug/L		92	41 - 127

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

Lab Sample ID: LCS 410-289040/4
Matrix: Water
Analysis Batch: 289040

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	18.6		ug/L		93	80 - 120
Freon 113	20.0	19.1		ug/L		96	73 - 139
Isopropylbenzene	20.0	18.5		ug/L		93	80 - 120
Methyl acetate	20.0	23.5		ug/L		118	54 - 136
Methyl tertiary butyl ether	20.0	19.7		ug/L		99	69 - 122
Methylcyclohexane	20.0	17.2		ug/L		86	67 - 121
Methylene Chloride	20.0	20.3		ug/L		101	80 - 120
Styrene	20.0	19.4		ug/L		97	80 - 120
Tetrachloroethene	20.0	19.9		ug/L		100	80 - 120
Toluene	20.0	18.8		ug/L		94	80 - 120
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	80 - 126
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	67 - 120
Trichloroethene	20.0	19.6		ug/L		98	80 - 120
Trichlorofluoromethane	20.0	19.3		ug/L		97	55 - 135
Vinyl chloride	20.0	14.8		ug/L		74	56 - 120
Xylenes, Total	60.0	56.8		ug/L		95	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*108*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 410-289040/5
Matrix: Water
Analysis Batch: 289040

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	20.7		ug/L		103	67 - 126	4	30
1,1,2,2-Tetrachloroethane	20.0	17.9		ug/L		89	72 - 120	4	30
1,1,2-Trichloroethane	20.0	18.9		ug/L		94	80 - 120	5	30
1,1-Dichloroethane	20.0	19.2		ug/L		96	80 - 120	1	30
1,1-Dichloroethene	20.0	19.7		ug/L		98	80 - 131	1	30
1,2,4-Trichlorobenzene	20.0	16.2		ug/L		81	63 - 120	4	30
1,2,4-Trimethylbenzene	20.0	18.0		ug/L		90	75 - 120	1	30
1,2-Dibromo-3-Chloropropane	20.0	16.0		ug/L		80	47 - 131	2	30
1,2-Dibromoethane	20.0	18.8		ug/L		94	77 - 120	6	30
1,2-Dichlorobenzene	20.0	18.4		ug/L		92	80 - 120	5	30
1,2-Dichloroethane	20.0	20.5		ug/L		102	73 - 124	5	30
1,2-Dichloropropane	20.0	18.3		ug/L		92	80 - 120	2	30
1,3,5-Trimethylbenzene	20.0	17.6		ug/L		88	75 - 120	2	30
1,3-Dichlorobenzene	20.0	18.7		ug/L		93	80 - 120	3	30
1,4-Dichlorobenzene	20.0	18.7		ug/L		94	80 - 120	4	30
2-Butanone	250	242		ug/L		97	59 - 135	5	30
2-Hexanone	250	260		ug/L		104	56 - 135	4	30
4-Methyl-2-pentanone	250	245		ug/L		98	62 - 133	4	30
Acetone	250	250		ug/L		100	54 - 157	6	30
Benzene	20.0	18.8		ug/L		94	80 - 120	4	30

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

Lab Sample ID: LCSD 410-289040/5
Matrix: Water
Analysis Batch: 289040

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromodichloromethane			20.0	19.6		ug/L		98	71 - 120	5	30
Bromoform			20.0	18.9		ug/L		95	51 - 120	5	30
Bromomethane			20.0	14.9		ug/L		75	53 - 128	5	30
Carbon disulfide			20.0	18.7		ug/L		94	65 - 128	6	30
Carbon tetrachloride			20.0	21.8		ug/L		109	64 - 134	4	30
Chlorobenzene			20.0	18.4		ug/L		92	80 - 120	4	30
Chloroethane			20.0	16.7		ug/L		83	55 - 123	4	30
Chloroform			20.0	20.1		ug/L		100	80 - 120	4	30
Chloromethane			20.0	15.1		ug/L		75	56 - 121	8	30
cis-1,2-Dichloroethene			20.0	20.8		ug/L		104	80 - 125	2	30
cis-1,3-Dichloropropene			20.0	17.5		ug/L		88	75 - 120	5	30
Cyclohexane			20.0	15.9		ug/L		79	68 - 126	4	30
Dibromochloromethane			20.0	19.2		ug/L		96	71 - 120	4	30
Dichlorodifluoromethane			20.0	17.6		ug/L		88	41 - 127	4	30
Ethylbenzene			20.0	18.3		ug/L		91	80 - 120	2	30
Freon 113			20.0	18.2		ug/L		91	73 - 139	5	30
Isopropylbenzene			20.0	17.9		ug/L		90	80 - 120	3	30
Methyl acetate			20.0	20.2		ug/L		101	54 - 136	15	30
Methyl tertiary butyl ether			20.0	19.0		ug/L		95	69 - 122	4	30
Methylcyclohexane			20.0	16.7		ug/L		84	67 - 121	3	30
Methylene Chloride			20.0	19.8		ug/L		99	80 - 120	3	30
Styrene			20.0	18.6		ug/L		93	80 - 120	4	30
Tetrachloroethene			20.0	19.0		ug/L		95	80 - 120	5	30
Toluene			20.0	18.3		ug/L		92	80 - 120	3	30
trans-1,2-Dichloroethene			20.0	19.7		ug/L		99	80 - 126	2	30
trans-1,3-Dichloropropene			20.0	18.9		ug/L		95	67 - 120	4	30
Trichloroethene			20.0	19.2		ug/L		96	80 - 120	2	30
Trichlorofluoromethane			20.0	18.1		ug/L		90	55 - 135	7	30
Vinyl chloride			20.0	14.2		ug/L		71	56 - 120	4	30
Xylenes, Total			60.0	54.6		ug/L		91	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*109*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 289040

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1-Trichloroethane	ND		20.0	24.7		ug/L		124	67 - 126		
1,1,2,2-Tetrachloroethane	ND		20.0	19.2		ug/L		96	72 - 120		
1,1,2-Trichloroethane	ND		20.0	21.6		ug/L		108	80 - 120		
1,1-Dichloroethane	ND		20.0	21.9		ug/L		110	80 - 120		
1,1-Dichloroethene	ND		20.0	23.3		ug/L		117	80 - 131		
1,2,4-Trichlorobenzene	ND		20.0	16.7		ug/L		83	63 - 120		

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

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 289040

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	ND		20.0	20.0		ug/L		100	75 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	17.5		ug/L		88	47 - 131
1,2-Dibromoethane	ND		20.0	21.4		ug/L		107	77 - 120
1,2-Dichlorobenzene	ND		20.0	20.3		ug/L		101	80 - 120
1,2-Dichloroethane	ND		20.0	23.7		ug/L		118	73 - 124
1,2-Dichloropropane	ND		20.0	21.2		ug/L		106	80 - 120
1,3,5-Trimethylbenzene	ND		20.0	20.0		ug/L		100	75 - 120
1,3-Dichlorobenzene	ND		20.0	21.0		ug/L		105	80 - 120
1,4-Dichlorobenzene	ND		20.0	20.8		ug/L		104	80 - 120
2-Butanone	ND		250	264		ug/L		106	59 - 135
2-Hexanone	ND		250	291		ug/L		116	56 - 135
4-Methyl-2-pentanone	ND		250	269		ug/L		108	62 - 133
Acetone	ND		250	280		ug/L		112	54 - 157
Benzene	ND		20.0	22.2		ug/L		111	80 - 120
Bromodichloromethane	ND		20.0	22.6		ug/L		113	71 - 120
Bromoform	ND		20.0	21.4		ug/L		107	51 - 120
Bromomethane	ND	cn	20.0	18.6		ug/L		93	53 - 128
Carbon disulfide	ND		20.0	23.1		ug/L		115	65 - 128
Carbon tetrachloride	ND		20.0	26.8		ug/L		134	64 - 134
Chlorobenzene	ND		20.0	21.5		ug/L		107	80 - 120
Chloroethane	ND		20.0	19.9		ug/L		99	55 - 123
Chloroform	ND		20.0	23.4		ug/L		117	80 - 120
Chloromethane	ND	cn	20.0	19.3		ug/L		97	56 - 121
cis-1,2-Dichloroethene	ND		20.0	23.9		ug/L		119	80 - 125
cis-1,3-Dichloropropene	ND		20.0	19.0		ug/L		95	75 - 120
Cyclohexane	ND	cn	20.0	20.1		ug/L		100	68 - 126
Dibromochloromethane	ND		20.0	21.9		ug/L		109	71 - 120
Dichlorodifluoromethane	ND		20.0	24.2		ug/L		121	41 - 127
Ethylbenzene	ND		20.0	21.5		ug/L		108	80 - 120
Freon 113	ND		20.0	23.6		ug/L		118	73 - 139
Isopropylbenzene	ND		20.0	21.0		ug/L		105	80 - 120
Methyl acetate	ND		20.0	25.2		ug/L		126	54 - 136
Methyl tertiary butyl ether	ND		20.0	20.4		ug/L		102	69 - 122
Methylcyclohexane	ND		20.0	21.4		ug/L		107	67 - 121
Methylene Chloride	ND		20.0	22.8		ug/L		114	80 - 120
Styrene	ND		20.0	21.8		ug/L		109	80 - 120
Tetrachloroethene	ND		20.0	23.6		ug/L		118	80 - 120
Toluene	ND		20.0	21.6		ug/L		108	80 - 120
trans-1,2-Dichloroethene	ND		20.0	23.1		ug/L		115	80 - 126
trans-1,3-Dichloropropene	ND		20.0	21.0		ug/L		105	67 - 120
Trichloroethene	ND		20.0	22.3		ug/L		111	80 - 120
Trichlorofluoromethane	ND		20.0	23.7		ug/L		118	55 - 135
Vinyl chloride	ND	cn	20.0	18.4		ug/L		92	56 - 120
Xylenes, Total	ND		60.0	63.9		ug/L		107	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

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

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 289040

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	*109*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 410-94417-1 MSD
Matrix: Water
Analysis Batch: 289040

Client Sample ID: FBS010-MSD_082022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		20.0	23.7		ug/L		118	67 - 126	4	30
1,1,2,2-Tetrachloroethane	ND		20.0	18.2		ug/L		91	72 - 120	5	30
1,1,2-Trichloroethane	ND		20.0	20.6		ug/L		103	80 - 120	5	30
1,1-Dichloroethane	ND		20.0	21.2		ug/L		106	80 - 120	3	30
1,1-Dichloroethene	ND		20.0	22.6		ug/L		113	80 - 131	3	30
1,2,4-Trichlorobenzene	ND		20.0	17.1		ug/L		86	63 - 120	3	30
1,2,4-Trimethylbenzene	ND		20.0	19.4		ug/L		97	75 - 120	3	30
1,2-Dibromo-3-Chloropropane	ND		20.0	16.6		ug/L		83	47 - 131	5	30
1,2-Dibromoethane	ND		20.0	20.7		ug/L		104	77 - 120	3	30
1,2-Dichlorobenzene	ND		20.0	19.7		ug/L		98	80 - 120	3	30
1,2-Dichloroethane	ND		20.0	22.5		ug/L		112	73 - 124	5	30
1,2-Dichloropropane	ND		20.0	20.2		ug/L		101	80 - 120	4	30
1,3,5-Trimethylbenzene	ND		20.0	19.3		ug/L		97	75 - 120	4	30
1,3-Dichlorobenzene	ND		20.0	20.1		ug/L		101	80 - 120	5	30
1,4-Dichlorobenzene	ND		20.0	19.8		ug/L		99	80 - 120	5	30
2-Butanone	ND		250	253		ug/L		101	59 - 135	4	30
2-Hexanone	ND		250	275		ug/L		110	56 - 135	6	30
4-Methyl-2-pentanone	ND		250	254		ug/L		102	62 - 133	6	30
Acetone	ND		250	277		ug/L		111	54 - 157	1	30
Benzene	ND		20.0	21.2		ug/L		106	80 - 120	5	30
Bromodichloromethane	ND		20.0	21.5		ug/L		108	71 - 120	5	30
Bromoform	ND		20.0	20.3		ug/L		102	51 - 120	5	30
Bromomethane	ND	cn	20.0	17.1		ug/L		86	53 - 128	9	30
Carbon disulfide	ND		20.0	21.5		ug/L		107	65 - 128	7	30
Carbon tetrachloride	ND		20.0	25.7		ug/L		129	64 - 134	4	30
Chlorobenzene	ND		20.0	20.6		ug/L		103	80 - 120	4	30
Chloroethane	ND		20.0	19.3		ug/L		97	55 - 123	3	30
Chloroform	ND		20.0	22.4		ug/L		112	80 - 120	5	30
Chloromethane	ND	cn	20.0	18.1		ug/L		91	56 - 121	6	30
cis-1,2-Dichloroethene	ND		20.0	22.7		ug/L		114	80 - 125	5	30
cis-1,3-Dichloropropene	ND		20.0	18.0		ug/L		90	75 - 120	5	30
Cyclohexane	ND	cn	20.0	19.2		ug/L		96	68 - 126	4	30
Dibromochloromethane	ND		20.0	20.9		ug/L		105	71 - 120	5	30
Dichlorodifluoromethane	ND		20.0	23.2		ug/L		116	41 - 127	4	30
Ethylbenzene	ND		20.0	20.5		ug/L		103	80 - 120	5	30
Freon 113	ND		20.0	22.6		ug/L		113	73 - 139	5	30
Isopropylbenzene	ND		20.0	20.4		ug/L		102	80 - 120	3	30
Methyl acetate	ND		20.0	18.7		ug/L		94	54 - 136	30	30
Methyl tertiary butyl ether	ND		20.0	19.7		ug/L		99	69 - 122	3	30
Methylcyclohexane	ND		20.0	20.4		ug/L		102	67 - 121	5	30

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

Lab Sample ID: 410-94417-1 MSD **Client Sample ID: FBS010-MSD_082022**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 289040

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride	ND		20.0	22.0		ug/L		110	80 - 120	3	30
Styrene	ND		20.0	20.4		ug/L		102	80 - 120	7	30
Tetrachloroethene	ND		20.0	22.4		ug/L		112	80 - 120	5	30
Toluene	ND		20.0	20.6		ug/L		103	80 - 120	5	30
trans-1,2-Dichloroethene	ND		20.0	22.0		ug/L		110	80 - 126	5	30
trans-1,3-Dichloropropene	ND		20.0	20.1		ug/L		100	67 - 120	5	30
Trichloroethene	ND		20.0	21.5		ug/L		107	80 - 120	4	30
Trichlorofluoromethane	ND		20.0	22.1		ug/L		111	55 - 135	7	30
Vinyl chloride	ND	cn	20.0	17.9		ug/L		90	56 - 120	3	30
Xylenes, Total	ND		60.0	60.8		ug/L		101	80 - 120	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-286371/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 286564 **Prep Batch: 286371**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		08/16/22 09:10	08/16/22 15:51	1
2,4-Dinitrophenol	ND		30	10	ug/L		08/16/22 09:10	08/16/22 15:51	1
2-Chlorophenol	ND		2	0.5	ug/L		08/16/22 09:10	08/16/22 15:51	1
Carbazole	ND		2	0.5	ug/L		08/16/22 09:10	08/16/22 15:51	1
Phenol	ND		2	0.5	ug/L		08/16/22 09:10	08/16/22 15:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 150*	*08/16/22 09:10*	*08/16/22 15:51*	*1*
2-Fluorobiphenyl (Surr)	*70*		*44 - 120*	*08/16/22 09:10*	*08/16/22 15:51*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 120*	*08/16/22 09:10*	*08/16/22 15:51*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 125*	*08/16/22 09:10*	*08/16/22 15:51*	*1*
Phenol-d5 (Surr)	*36*		*10 - 120*	*08/16/22 09:10*	*08/16/22 15:51*	*1*
p-Terphenyl-d14 (Surr)	*95*		*37 - 120*	*08/16/22 09:10*	*08/16/22 15:51*	*1*

Lab Sample ID: LCS 410-286371/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 286564 **Prep Batch: 286371**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	50.0	42		ug/L		85	62 - 120
2,4-Dinitrophenol	100	120		ug/L		121	43 - 146
2-Chlorophenol	50.0	39		ug/L		77	57 - 120
Carbazole	50.0	47		ug/L		95	74 - 120
Phenol	50.0	23		ug/L		45	22 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-286371/2-A
Matrix: Water
Analysis Batch: 286564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286371

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 150*
2-Fluorobiphenyl (Surr)	*81*		*44 - 120*
2-Fluorophenol (Surr)	*51*		*10 - 120*
Nitrobenzene-d5 (Surr)	*78*		*25 - 125*
Phenol-d5 (Surr)	*39*		*10 - 120*
p-Terphenyl-d14 (Surr)	*101*		*37 - 120*

Lab Sample ID: LCSD 410-286371/3-A
Matrix: Water
Analysis Batch: 286564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 286371

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			50.0	38		ug/L		75	62 - 120	12	30
2,4-Dinitrophenol			100	97		ug/L		97	43 - 146	22	30
2-Chlorophenol			50.0	37		ug/L		75	57 - 120	4	30
Carbazole			50.0	43		ug/L		87	74 - 120	9	30
Phenol			50.0	24		ug/L		48	22 - 120	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*
2-Fluorobiphenyl (Surr)	*69*		*44 - 120*
2-Fluorophenol (Surr)	*52*		*10 - 120*
Nitrobenzene-d5 (Surr)	*69*		*25 - 125*
Phenol-d5 (Surr)	*40*		*10 - 120*
p-Terphenyl-d14 (Surr)	*80*		*37 - 120*

Lab Sample ID: MB 410-287252/1-A
Matrix: Water
Analysis Batch: 287356

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 287252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		08/18/22 09:50	08/18/22 17:10	1
2,4-Dinitrophenol	ND		30	10	ug/L		08/18/22 09:50	08/18/22 17:10	1
2-Chlorophenol	ND		2	0.5	ug/L		08/18/22 09:50	08/18/22 17:10	1
Carbazole	ND		2	0.5	ug/L		08/18/22 09:50	08/18/22 17:10	1
Phenol	ND		2	0.5	ug/L		08/18/22 09:50	08/18/22 17:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 150*	*08/18/22 09:50*	*08/18/22 17:10*	*1*
2-Fluorobiphenyl (Surr)	*69*		*44 - 120*	*08/18/22 09:50*	*08/18/22 17:10*	*1*
2-Fluorophenol (Surr)	*46*		*10 - 120*	*08/18/22 09:50*	*08/18/22 17:10*	*1*
Nitrobenzene-d5 (Surr)	*75*		*25 - 125*	*08/18/22 09:50*	*08/18/22 17:10*	*1*
Phenol-d5 (Surr)	*35*		*10 - 120*	*08/18/22 09:50*	*08/18/22 17:10*	*1*
p-Terphenyl-d14 (Surr)	*94*		*37 - 120*	*08/18/22 09:50*	*08/18/22 17:10*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-287252/2-A
Matrix: Water
Analysis Batch: 287356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 287252

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-Dimethylphenol			50.0	47		ug/L		94	62 - 120		
2,4-Dinitrophenol			100	120		ug/L		117	43 - 146		
2-Chlorophenol			50.0	41		ug/L		82	57 - 120		
Carbazole			50.0	47		ug/L		95	74 - 120		
Phenol			50.0	27		ug/L		53	22 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 150*
2-Fluorobiphenyl (Surr)	*72*		*44 - 120*
2-Fluorophenol (Surr)	*55*		*10 - 120*
Nitrobenzene-d5 (Surr)	*78*		*25 - 125*
Phenol-d5 (Surr)	*44*		*10 - 120*
p-Terphenyl-d14 (Surr)	*94*		*37 - 120*

Lab Sample ID: LCSD 410-287252/3-A
Matrix: Water
Analysis Batch: 287356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 287252

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			50.0	50		ug/L		100	62 - 120	7	30
2,4-Dinitrophenol			100	130		ug/L		125	43 - 146	7	30
2-Chlorophenol			50.0	42		ug/L		83	57 - 120	1	30
Carbazole			50.0	51		ug/L		103	74 - 120	8	30
Phenol			50.0	26		ug/L		53	22 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*10 - 150*
2-Fluorobiphenyl (Surr)	*80*		*44 - 120*
2-Fluorophenol (Surr)	*58*		*10 - 120*
Nitrobenzene-d5 (Surr)	*84*		*25 - 125*
Phenol-d5 (Surr)	*45*		*10 - 120*
p-Terphenyl-d14 (Surr)	*102*		*37 - 120*

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 287356

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA
Prep Batch: 287252

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-Dimethylphenol	ND		52.1	52		ug/L		99	62 - 120		
2,4-Dinitrophenol	ND	cn	104	110		ug/L		108	43 - 146		
2-Chlorophenol	ND		52.1	44		ug/L		85	57 - 120		
Carbazole	ND		52.1	51		ug/L		98	74 - 120		
Phenol	ND		52.1	30		ug/L		57	22 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 150*
2-Fluorobiphenyl (Surr)	*78*		*44 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-94417-1 MS **Client Sample ID: FBS010-MS_082022**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 287356 **Prep Batch: 287252**

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol (Surr)	*60*		*10 - 120*
Nitrobenzene-d5 (Surr)	*87*		*25 - 125*
Phenol-d5 (Surr)	*48*		*10 - 120*
p-Terphenyl-d14 (Surr)	*87*		*37 - 120*

Lab Sample ID: 410-94417-1 MSD **Client Sample ID: FBS010-MSD_082022**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 287356 **Prep Batch: 287252**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol	ND		52.9	53		ug/L		100	62 - 120	2	30
2,4-Dinitrophenol	ND	cn	106	110		ug/L		104	43 - 146	2	30
2-Chlorophenol	ND		52.9	43		ug/L		82	57 - 120	3	30
Carbazole	ND		52.9	51		ug/L		97	74 - 120	0	30
Phenol	ND		52.9	31		ug/L		59	22 - 120	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*90*		*10 - 150*
2-Fluorobiphenyl (Surr)	*79*		*44 - 120*
2-Fluorophenol (Surr)	*60*		*10 - 120*
Nitrobenzene-d5 (Surr)	*86*		*25 - 125*
Phenol-d5 (Surr)	*48*		*10 - 120*
p-Terphenyl-d14 (Surr)	*87*		*37 - 120*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 410-286366/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 286632 **Prep Batch: 286366**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		08/16/22 09:09	08/16/22 19:45	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Acenaphthene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Acenaphthylene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Anthracene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		08/16/22 09:09	08/16/22 19:45	1
Chrysene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Dibenzofuran	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Diethylphthalate	ND		1.0	0.050	ug/L		08/16/22 09:09	08/16/22 19:45	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 410-286366/1-A
Matrix: Water
Analysis Batch: 286632

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethylphthalate	ND		1.0	0.050	ug/L		08/16/22 09:09	08/16/22 19:45	1
Di-n-butyl phthalate	ND		1.0	0.050	ug/L		08/16/22 09:09	08/16/22 19:45	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		08/16/22 09:09	08/16/22 19:45	1
Fluoranthene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Fluorene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Naphthalene	ND		0.070	0.030	ug/L		08/16/22 09:09	08/16/22 19:45	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		08/16/22 09:09	08/16/22 19:45	1
Phenanthrene	ND		0.070	0.030	ug/L		08/16/22 09:09	08/16/22 19:45	1
Pyrene	ND		0.050	0.010	ug/L		08/16/22 09:09	08/16/22 19:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*66*		*36 - 111*	*08/16/22 09:09*	*08/16/22 19:45*	*1*
Benzo(a)pyrene-d12 (Surr)	*80*		*10 - 110*	*08/16/22 09:09*	*08/16/22 19:45*	*1*
Fluoranthene-d10 (Surr)	*79*		*47 - 128*	*08/16/22 09:09*	*08/16/22 19:45*	*1*

Lab Sample ID: LCS 410-286366/2-A
Matrix: Water
Analysis Batch: 286632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286366

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.531		ug/L		53	23 - 120
1-Methylnaphthalene	1.00	0.605		ug/L		61	23 - 124
2-Methylnaphthalene	1.00	0.568		ug/L		57	20 - 133
Acenaphthene	1.00	0.804		ug/L		80	42 - 120
Acenaphthylene	1.00	0.716		ug/L		72	49 - 120
Anthracene	1.00	0.813		ug/L		81	54 - 121
Benzo[a]anthracene	1.00	0.825		ug/L		83	61 - 122
Benzo[a]pyrene	1.00	0.817		ug/L		82	60 - 120
Benzo[b]fluoranthene	1.00	0.792		ug/L		79	58 - 122
Benzo[g,h,i]perylene	1.00	0.851		ug/L		85	50 - 120
Benzo[k]fluoranthene	1.00	0.893		ug/L		89	57 - 128
Bis(2-chloroethyl)ether	1.00	0.862		ug/L		86	59 - 130
Bis(2-ethylhexyl) phthalate	1.00	1.27		ug/L		127	14 - 155
Butylbenzylphthalate	1.00	0.992	J	ug/L		99	10 - 120
Chrysene	1.00	0.825		ug/L		83	55 - 123
Dibenz(a,h)anthracene	1.00	0.847		ug/L		85	50 - 121
Dibenzofuran	1.00	0.811		ug/L		81	48 - 124
Diethylphthalate	1.00	0.879	J	ug/L		88	38 - 120
Dimethylphthalate	1.00	0.748	J	ug/L		75	10 - 121
Di-n-butyl phthalate	1.00	0.980	J	ug/L		98	46 - 125
Di-n-octyl phthalate	1.00	0.862	J	ug/L		86	22 - 130
Fluoranthene	1.00	0.835		ug/L		83	61 - 123
Fluorene	1.00	0.783		ug/L		78	55 - 120
Hexachlorobenzene	1.00	0.750		ug/L		75	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.852		ug/L		85	47 - 143
Naphthalene	1.00	0.585		ug/L		59	20 - 120

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 410-286366/2-A
Matrix: Water
Analysis Batch: 286632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286366

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
N-Nitrosodimethylamine			1.00	0.665		ug/L		67	37 - 120		
Phenanthrene			1.00	0.850		ug/L		85	59 - 120		
Pyrene			1.00	0.802		ug/L		80	46 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*67*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*86*		*10 - 110*
Fluoranthene-d10 (Surr)	*80*		*47 - 128*

Lab Sample ID: LCSD 410-286366/3-A
Matrix: Water
Analysis Batch: 286632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 286366

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.00	0.508		ug/L		51	23 - 120	5	30
1-Methylnaphthalene			1.00	0.648		ug/L		65	23 - 124	7	30
2-Methylnaphthalene			1.00	0.609		ug/L		61	20 - 133	7	30
Acenaphthene			1.00	0.830		ug/L		83	42 - 120	3	30
Acenaphthylene			1.00	0.730		ug/L		73	49 - 120	2	30
Anthracene			1.00	0.819		ug/L		82	54 - 121	1	30
Benzo[a]anthracene			1.00	0.849		ug/L		85	61 - 122	3	30
Benzo[a]pyrene			1.00	0.834		ug/L		83	60 - 120	2	30
Benzo[b]fluoranthene			1.00	0.815		ug/L		82	58 - 122	3	30
Benzo[g,h,i]perylene			1.00	0.867		ug/L		87	50 - 120	2	30
Benzo[k]fluoranthene			1.00	0.900		ug/L		90	57 - 128	1	30
Bis(2-chloroethyl)ether			1.00	0.859		ug/L		86	59 - 130	0	30
Bis(2-ethylhexyl) phthalate			1.00	1.23		ug/L		123	14 - 155	3	30
Butylbenzylphthalate			1.00	0.998	J	ug/L		100	10 - 120	1	30
Chrysene			1.00	0.852		ug/L		85	55 - 123	3	30
Dibenz(a,h)anthracene			1.00	0.861		ug/L		86	50 - 121	2	30
Dibenzofuran			1.00	0.834		ug/L		83	48 - 124	3	30
Diethylphthalate			1.00	0.879	J	ug/L		88	38 - 120	0	30
Dimethylphthalate			1.00	0.772	J	ug/L		77	10 - 121	3	30
Di-n-butyl phthalate			1.00	0.911	J	ug/L		91	46 - 125	7	30
Di-n-octyl phthalate			1.00	0.842	J	ug/L		84	22 - 130	2	30
Fluoranthene			1.00	0.826		ug/L		83	61 - 123	1	30
Fluorene			1.00	0.802		ug/L		80	55 - 120	2	30
Hexachlorobenzene			1.00	0.836		ug/L		84	20 - 120	11	30
Indeno[1,2,3-cd]pyrene			1.00	0.867		ug/L		87	47 - 143	2	30
Naphthalene			1.00	0.641		ug/L		64	20 - 120	9	30
N-Nitrosodimethylamine			1.00	0.681		ug/L		68	37 - 120	2	30
Phenanthrene			1.00	0.857		ug/L		86	59 - 120	1	30
Pyrene			1.00	0.818		ug/L		82	46 - 122	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*67*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*88*		*10 - 110*
Fluoranthene-d10 (Surr)	*80*		*47 - 128*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 410-287248/1-A
Matrix: Water
Analysis Batch: 287573

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 287248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		08/18/22 09:43	08/18/22 21:14	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Acenaphthene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Acenaphthylene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Anthracene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		08/18/22 09:43	08/18/22 21:14	1
Chrysene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Dibenzofuran	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Diethylphthalate	ND		1.0	0.050	ug/L		08/18/22 09:43	08/18/22 21:14	1
Dimethylphthalate	ND		1.0	0.050	ug/L		08/18/22 09:43	08/18/22 21:14	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		08/18/22 09:43	08/18/22 21:14	1
Fluoranthene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Fluorene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Naphthalene	ND		0.070	0.030	ug/L		08/18/22 09:43	08/18/22 21:14	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		08/18/22 09:43	08/18/22 21:14	1
Phenanthrene	ND		0.070	0.030	ug/L		08/18/22 09:43	08/18/22 21:14	1
Pyrene	ND		0.050	0.010	ug/L		08/18/22 09:43	08/18/22 21:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*60*		*36 - 111*	*08/18/22 09:43*	*08/18/22 21:14*	*1*
Benzo(a)pyrene-d12 (Surr)	*72*		*10 - 110*	*08/18/22 09:43*	*08/18/22 21:14*	*1*
Fluoranthene-d10 (Surr)	*72*		*47 - 128*	*08/18/22 09:43*	*08/18/22 21:14*	*1*

Lab Sample ID: MB 410-287248/1-A
Matrix: Water
Analysis Batch: 287637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 287248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.614	J	1.0	0.050	ug/L		08/18/22 09:43	08/19/22 05:14	1
Di-n-butyl phthalate	12.4		1.0	0.050	ug/L		08/18/22 09:43	08/19/22 05:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*63*		*36 - 111*	*08/18/22 09:43*	*08/19/22 05:14*	*1*
Benzo(a)pyrene-d12 (Surr)	*75*		*10 - 110*	*08/18/22 09:43*	*08/19/22 05:14*	*1*
Fluoranthene-d10 (Surr)	*65*		*47 - 128*	*08/18/22 09:43*	*08/19/22 05:14*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 410-287248/2-A
Matrix: Water
Analysis Batch: 287573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 287248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.429		ug/L		43	23 - 120
1-Methylnaphthalene	1.00	0.607		ug/L		61	23 - 124
2-Methylnaphthalene	1.00	0.583		ug/L		58	20 - 133
Acenaphthene	1.00	0.814		ug/L		81	42 - 120
Acenaphthylene	1.00	0.693		ug/L		69	49 - 120
Anthracene	1.00	0.788		ug/L		79	54 - 121
Benzo[a]anthracene	1.00	0.820		ug/L		82	61 - 122
Benzo[a]pyrene	1.00	0.798		ug/L		80	60 - 120
Benzo[b]fluoranthene	1.00	0.785		ug/L		78	58 - 122
Benzo[g,h,i]perylene	1.00	0.717		ug/L		72	50 - 120
Benzo[k]fluoranthene	1.00	0.868		ug/L		87	57 - 128
Bis(2-chloroethyl)ether	1.00	0.809		ug/L		81	59 - 130
Butylbenzylphthalate	1.00	0.731	J	ug/L		73	10 - 120
Chrysene	1.00	0.809		ug/L		81	55 - 123
Dibenz(a,h)anthracene	1.00	0.723		ug/L		72	50 - 121
Dibenzofuran	1.00	0.785		ug/L		78	48 - 124
Diethylphthalate	1.00	0.692	J	ug/L		69	38 - 120
Dimethylphthalate	1.00	0.377	J	ug/L		38	10 - 121
Di-n-octyl phthalate	1.00	1.04		ug/L		104	22 - 130
Fluoranthene	1.00	0.821		ug/L		82	61 - 123
Fluorene	1.00	0.759		ug/L		76	55 - 120
Hexachlorobenzene	1.00	0.796		ug/L		80	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.730		ug/L		73	47 - 143
Naphthalene	1.00	0.613		ug/L		61	20 - 120
N-Nitrosodimethylamine	1.00	0.641		ug/L		64	37 - 120
Phenanthrene	1.00	0.803		ug/L		80	59 - 120
Pyrene	1.00	0.786		ug/L		79	46 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*62*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*82*		*10 - 110*
Fluoranthene-d10 (Surr)	*77*		*47 - 128*

Lab Sample ID: LCS 410-287248/2-A
Matrix: Water
Analysis Batch: 287637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 287248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	1.00	1.69	*+	ug/L		169	14 - 155
Di-n-butyl phthalate	1.00	15.7	*+	ug/L		1570	46 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*64*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*83*		*10 - 110*
Fluoranthene-d10 (Surr)	*73*		*47 - 128*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 410-287248/3-A
Matrix: Water
Analysis Batch: 287573

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 287248

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.00	0.429		ug/L		43	23 - 120	0	30
1-Methylnaphthalene			1.00	0.566		ug/L		57	23 - 124	7	30
2-Methylnaphthalene			1.00	0.547		ug/L		55	20 - 133	6	30
Acenaphthene			1.00	0.738		ug/L		74	42 - 120	10	30
Acenaphthylene			1.00	0.625		ug/L		62	49 - 120	10	30
Anthracene			1.00	0.711		ug/L		71	54 - 121	10	30
Benzo[a]anthracene			1.00	0.741		ug/L		74	61 - 122	10	30
Benzo[a]pyrene			1.00	0.722		ug/L		72	60 - 120	10	30
Benzo[b]fluoranthene			1.00	0.718		ug/L		72	58 - 122	9	30
Benzo[g,h,i]perylene			1.00	0.663		ug/L		66	50 - 120	8	30
Benzo[k]fluoranthene			1.00	0.796		ug/L		80	57 - 128	9	30
Bis(2-chloroethyl)ether			1.00	0.757		ug/L		76	59 - 130	7	30
Butylbenzylphthalate			1.00	0.669	J	ug/L		67	10 - 120	9	30
Chrysene			1.00	0.743		ug/L		74	55 - 123	8	30
Dibenz(a,h)anthracene			1.00	0.657		ug/L		66	50 - 121	10	30
Dibenzofuran			1.00	0.710		ug/L		71	48 - 124	10	30
Diethylphthalate			1.00	0.609	J	ug/L		61	38 - 120	13	30
Dimethylphthalate			1.00	0.327	J	ug/L		33	10 - 121	14	30
Di-n-octyl phthalate			1.00	0.853	J	ug/L		85	22 - 130	20	30
Fluoranthene			1.00	0.746		ug/L		75	61 - 123	10	30
Fluorene			1.00	0.684		ug/L		68	55 - 120	10	30
Hexachlorobenzene			1.00	0.731		ug/L		73	20 - 120	8	30
Indeno[1,2,3-cd]pyrene			1.00	0.664		ug/L		66	47 - 143	9	30
Naphthalene			1.00	0.567		ug/L		57	20 - 120	8	30
N-Nitrosodimethylamine			1.00	0.620		ug/L		62	37 - 120	3	30
Phenanthrene			1.00	0.732		ug/L		73	59 - 120	9	30
Pyrene			1.00	0.714		ug/L		71	46 - 122	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*59*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*75*		*10 - 110*
Fluoranthene-d10 (Surr)	*70*		*47 - 128*

Lab Sample ID: LCSD 410-287248/3-A
Matrix: Water
Analysis Batch: 287637

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 287248

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate			1.00	1.38		ug/L		138	14 - 155	20	30
Di-n-butyl phthalate			1.00	13.8	*+	ug/L		1380	46 - 125	13	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*60*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*74*		*10 - 110*
Fluoranthene-d10 (Surr)	*68*		*47 - 128*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 410-94417-1 MS
Matrix: Water
Analysis Batch: 287573

Client Sample ID: FBS010-MS_082022
Prep Type: Total/NA
Prep Batch: 287248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND		1.06	0.458		ug/L		43	23 - 120
1-Methylnaphthalene	ND		1.06	0.681		ug/L		64	23 - 124
2-Methylnaphthalene	ND		1.06	0.652		ug/L		61	20 - 133
Acenaphthene	ND		1.06	0.873		ug/L		82	42 - 120
Acenaphthylene	ND		1.06	0.774		ug/L		73	49 - 120
Anthracene	ND		1.06	0.877		ug/L		82	54 - 121
Benzo[a]anthracene	ND		1.06	0.901		ug/L		85	61 - 122
Benzo[a]pyrene	ND		1.06	0.849		ug/L		80	60 - 120
Benzo[b]fluoranthene	ND		1.06	0.835		ug/L		79	58 - 122
Benzo[g,h,i]perylene	ND		1.06	0.721		ug/L		68	50 - 120
Benzo[k]fluoranthene	ND		1.06	0.910		ug/L		86	57 - 128
Bis(2-chloroethyl)ether	ND		1.06	0.909		ug/L		85	59 - 130
Butylbenzylphthalate	ND	cn	1.06	0.749	J	ug/L		70	10 - 120
Chrysene	ND		1.06	0.856		ug/L		80	55 - 123
Dibenz(a,h)anthracene	ND		1.06	0.739		ug/L		69	50 - 121
Dibenzofuran	ND		1.06	0.848		ug/L		80	48 - 124
Diethylphthalate	ND		1.06	0.711	J	ug/L		67	38 - 120
Dimethylphthalate	ND	F2	1.06	0.324	J	ug/L		30	10 - 121
Di-n-octyl phthalate	ND		1.06	1.08	J	ug/L		101	22 - 130
Fluoranthene	ND		1.06	0.922		ug/L		87	61 - 123
Fluorene	ND		1.06	0.832		ug/L		78	55 - 120
Hexachlorobenzene	ND		1.06	0.875		ug/L		82	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.06	0.751		ug/L		71	47 - 143
Naphthalene	ND		1.06	0.678		ug/L		64	20 - 120
N-Nitrosodimethylamine	ND		1.06	0.708		ug/L		67	37 - 120
Phenanthrene	ND		1.06	0.886		ug/L		83	59 - 120
Pyrene	ND		1.06	0.846		ug/L		79	46 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*65*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*84*		*10 - 110*
Fluoranthene-d10 (Surr)	*81*		*47 - 128*

Lab Sample ID: 410-94417-1 MSD
Matrix: Water
Analysis Batch: 287573

Client Sample ID: FBS010-MSD_082022
Prep Type: Total/NA
Prep Batch: 287248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND		1.04	0.458		ug/L		44	23 - 120	0	30
1-Methylnaphthalene	ND		1.04	0.686		ug/L		66	23 - 124	1	30
2-Methylnaphthalene	ND		1.04	0.657		ug/L		63	20 - 133	1	30
Acenaphthene	ND		1.04	0.867		ug/L		83	42 - 120	1	30
Acenaphthylene	ND		1.04	0.775		ug/L		75	49 - 120	0	30
Anthracene	ND		1.04	0.874		ug/L		84	54 - 121	0	30
Benzo[a]anthracene	ND		1.04	0.867		ug/L		83	61 - 122	4	30
Benzo[a]pyrene	ND		1.04	0.786		ug/L		76	60 - 120	8	30
Benzo[b]fluoranthene	ND		1.04	0.784		ug/L		75	58 - 122	6	30
Benzo[g,h,i]perylene	ND		1.04	0.579		ug/L		56	50 - 120	22	30

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 410-94417-1 MSD **Client Sample ID: FBS010-MSD_082022**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 287573 **Prep Batch: 287248**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[k]fluoranthene	ND		1.04	0.849		ug/L		82	57 - 128	7	30
Bis(2-chloroethyl)ether	ND		1.04	0.885		ug/L		85	59 - 130	3	30
Butylbenzylphthalate	ND	cn	1.04	0.569	J	ug/L		55	10 - 120	27	30
Chrysene	ND		1.04	0.833		ug/L		80	55 - 123	3	30
Dibenz(a,h)anthracene	ND		1.04	0.593		ug/L		57	50 - 121	22	30
Dibenzofuran	ND		1.04	0.838		ug/L		81	48 - 124	1	30
Diethylphthalate	ND		1.04	0.613	J	ug/L		59	38 - 120	15	30
Dimethylphthalate	ND	F2	1.04	0.202	J F2	ug/L		19	10 - 121	46	30
Di-n-octyl phthalate	ND		1.04	0.868	J	ug/L		83	22 - 130	22	30
Fluoranthene	ND		1.04	0.911		ug/L		88	61 - 123	1	30
Fluorene	ND		1.04	0.821		ug/L		79	55 - 120	1	30
Hexachlorobenzene	ND		1.04	0.886		ug/L		85	20 - 120	1	30
Indeno[1,2,3-cd]pyrene	ND		1.04	0.607		ug/L		58	47 - 143	21	30
Naphthalene	ND		1.04	0.685		ug/L		66	20 - 120	1	30
N-Nitrosodimethylamine	ND		1.04	0.691		ug/L		66	37 - 120	3	30
Phenanthrene	ND		1.04	0.878		ug/L		84	59 - 120	1	30
Pyrene	ND		1.04	0.826		ug/L		79	46 - 122	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*67*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*80*		*10 - 110*
Fluoranthene-d10 (Surr)	*83*		*47 - 128*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA

Lab Sample ID: MB 410-286366/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 287123 **Prep Batch: 286366**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate - RA	ND		1.0	0.050	ug/L		08/16/22 09:09	08/17/22 19:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr) - RA	*73*		*36 - 111*	*08/16/22 09:09*	*08/17/22 19:09*	*1*
Benzo(a)pyrene-d12 (Surr) - RA	*85*		*10 - 110*	*08/16/22 09:09*	*08/17/22 19:09*	*1*
Fluoranthene-d10 (Surr) - RA	*78*		*47 - 128*	*08/16/22 09:09*	*08/17/22 19:09*	*1*

Lab Sample ID: 410-94417-1 MS **Client Sample ID: FBS010-MS_082022**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 287637 **Prep Batch: 287248**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate - RA	0.64	J B *+ cn	1.06	1.83		ug/L		111	14 - 155
Di-n-butyl phthalate - RA	16	B *+ cn	1.06	18.2	4	ug/L		190	46 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr) - RA	*65*		*36 - 111*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RA (Continued)

Lab Sample ID: 410-94417-1 MS **Client Sample ID: FBS010-MS_082022**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 287637 **Prep Batch: 287248**

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Benzo(a)pyrene-d12 (Surr) - RA	*80*		*10 - 110*
Fluoranthene-d10 (Surr) - RA	*75*		*47 - 128*

Lab Sample ID: 410-94417-1 MSD **Client Sample ID: FBS010-MSD_082022**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 287637 **Prep Batch: 287248**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate - RA	0.64	J B *+ cn	1.04	1.57		ug/L		89	14 - 155	15	30
Di-n-butyl phthalate - RA	16	B *+ cn	1.04	14.5	4	ug/L		-169	46 - 125	23	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr) - RA	*67*		*36 - 111*
Benzo(a)pyrene-d12 (Surr) - RA	*78*		*10 - 110*
Fluoranthene-d10 (Surr) - RA	*77*		*47 - 128*

GC/MS VOA

Analysis Batch: 289040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1	FBS010_082022	Total/NA	Water	8260C	
410-94417-2	FBW001_082022	Total/NA	Water	8260C	
410-94417-3	DUP-01_082022	Total/NA	Water	8260C	
410-94417-4	FB-01_082022	Total/NA	Water	8260C	
410-94417-5	Trip Blank	Total/NA	Water	8260C	
MB 410-289040/7	Method Blank	Total/NA	Water	8260C	
LCS 410-289040/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 410-289040/5	Lab Control Sample Dup	Total/NA	Water	8260C	
410-94417-1 MS	FBS010-MS_082022	Total/NA	Water	8260C	
410-94417-1 MSD	FBS010-MSD_082022	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 286366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-4	FB-01_082022	Total/NA	Water	3510C	
410-94417-4 - RA	FB-01_082022	Total/NA	Water	3510C	
MB 410-286366/1-A	Method Blank	Total/NA	Water	3510C	
MB 410-286366/1-A - RA	Method Blank	Total/NA	Water	3510C	
LCS 410-286366/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-286366/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 286371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-4	FB-01_082022	Total/NA	Water	3510C	
MB 410-286371/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-286371/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-286371/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 286564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-4	FB-01_082022	Total/NA	Water	8270D	286371
MB 410-286371/1-A	Method Blank	Total/NA	Water	8270D	286371
LCS 410-286371/2-A	Lab Control Sample	Total/NA	Water	8270D	286371
LCSD 410-286371/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	286371

Analysis Batch: 286632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-4	FB-01_082022	Total/NA	Water	8270D SIM	286366
MB 410-286366/1-A	Method Blank	Total/NA	Water	8270D SIM	286366
LCS 410-286366/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	286366
LCSD 410-286366/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	286366

Analysis Batch: 287123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-4 - RA	FB-01_082022	Total/NA	Water	8270D SIM	286366
MB 410-286366/1-A - RA	Method Blank	Total/NA	Water	8270D SIM	286366

Prep Batch: 287248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1	FBS010_082022	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 287248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1 - RA	FBS010_082022	Total/NA	Water	3510C	
410-94417-2	FBW001_082022	Total/NA	Water	3510C	
410-94417-2 - RA	FBW001_082022	Total/NA	Water	3510C	
410-94417-3	DUP-01_082022	Total/NA	Water	3510C	
410-94417-3 - RA	DUP-01_082022	Total/NA	Water	3510C	
MB 410-287248/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-287248/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-287248/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-94417-1 MS	FBS010-MS_082022	Total/NA	Water	3510C	
410-94417-1 MS - RA	FBS010-MS_082022	Total/NA	Water	3510C	
410-94417-1 MSD	FBS010-MSD_082022	Total/NA	Water	3510C	
410-94417-1 MSD - RA	FBS010-MSD_082022	Total/NA	Water	3510C	

Prep Batch: 287252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1	FBS010_082022	Total/NA	Water	3510C	
410-94417-2	FBW001_082022	Total/NA	Water	3510C	
410-94417-3	DUP-01_082022	Total/NA	Water	3510C	
MB 410-287252/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-287252/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-287252/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-94417-1 MS	FBS010-MS_082022	Total/NA	Water	3510C	
410-94417-1 MSD	FBS010-MSD_082022	Total/NA	Water	3510C	

Analysis Batch: 287356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1	FBS010_082022	Total/NA	Water	8270D	287252
410-94417-2	FBW001_082022	Total/NA	Water	8270D	287252
410-94417-3	DUP-01_082022	Total/NA	Water	8270D	287252
MB 410-287252/1-A	Method Blank	Total/NA	Water	8270D	287252
LCS 410-287252/2-A	Lab Control Sample	Total/NA	Water	8270D	287252
LCSD 410-287252/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	287252
410-94417-1 MS	FBS010-MS_082022	Total/NA	Water	8270D	287252
410-94417-1 MSD	FBS010-MSD_082022	Total/NA	Water	8270D	287252

Analysis Batch: 287573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1	FBS010_082022	Total/NA	Water	8270D SIM	287248
410-94417-2	FBW001_082022	Total/NA	Water	8270D SIM	287248
410-94417-3	DUP-01_082022	Total/NA	Water	8270D SIM	287248
MB 410-287248/1-A	Method Blank	Total/NA	Water	8270D SIM	287248
LCS 410-287248/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	287248
LCSD 410-287248/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	287248
410-94417-1 MS	FBS010-MS_082022	Total/NA	Water	8270D SIM	287248
410-94417-1 MSD	FBS010-MSD_082022	Total/NA	Water	8270D SIM	287248

Analysis Batch: 287637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1 - RA	FBS010_082022	Total/NA	Water	8270D SIM	287248
410-94417-2 - RA	FBW001_082022	Total/NA	Water	8270D SIM	287248
410-94417-3 - RA	DUP-01_082022	Total/NA	Water	8270D SIM	287248

GC/MS Semi VOA (Continued)

Analysis Batch: 287637 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-287248/1-A	Method Blank	Total/NA	Water	8270D SIM	287248
LCS 410-287248/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	287248
LCSD 410-287248/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	287248
410-94417-1 MS - RA	FBS010-MS_082022	Total/NA	Water	8270D SIM	287248
410-94417-1 MSD - RA	FBS010-MSD_082022	Total/NA	Water	8270D SIM	287248

Prep Batch: 288127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1 - RE	FBS010_082022	Total/NA	Water	3510C	
410-94417-2 - RE	FBW001_082022	Total/NA	Water	3510C	
410-94417-3 - RE	DUP-01_082022	Total/NA	Water	3510C	
MB 410-288127/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-288127/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-288127/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-94417-1 MS - RE	FBS010-MS_082022	Total/NA	Water	3510C	
410-94417-1 MSD - RE	FBS010-MSD_082022	Total/NA	Water	3510C	

Analysis Batch: 288195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-94417-1 - RE	FBS010_082022	Total/NA	Water	8270D SIM	288127
410-94417-2 - RE	FBW001_082022	Total/NA	Water	8270D SIM	288127
410-94417-3 - RE	DUP-01_082022	Total/NA	Water	8270D SIM	288127
MB 410-288127/1-A	Method Blank	Total/NA	Water	8270D SIM	288127
LCS 410-288127/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	288127
LCSD 410-288127/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	288127
410-94417-1 MS - RE	FBS010-MS_082022	Total/NA	Water	8270D SIM	288127
410-94417-1 MSD - RE	FBS010-MSD_082022	Total/NA	Water	8270D SIM	288127

Lab Chronicle

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FBS010_082022

Lab Sample ID: 410-94417-1

Date Collected: 08/11/22 12:05
Date Received: 08/12/22 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	289040	TQ4J	ELLE	08/24/22 16:10
Total/NA	Prep	3510C			287252	XPN5	ELLE	08/18/22 09:50
Total/NA	Analysis	8270D		1	287356	P7EB	ELLE	08/19/22 00:52
Total/NA	Prep	3510C			287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM		1	287573	UJM0	ELLE	08/19/22 03:41
Total/NA	Prep	3510C	RE		288127	QJZ6	ELLE	08/21/22 10:35
Total/NA	Analysis	8270D SIM	RE	1	288195	SJ89	ELLE	08/22/22 08:44
Total/NA	Prep	3510C	RA		287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM	RA	1	287637	UJM0	ELLE	08/19/22 06:19

Client Sample ID: FBW001_082022

Lab Sample ID: 410-94417-2

Date Collected: 08/11/22 11:43
Date Received: 08/12/22 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	289040	TQ4J	ELLE	08/24/22 17:17
Total/NA	Prep	3510C			287252	XPN5	ELLE	08/18/22 09:50
Total/NA	Analysis	8270D		1	287356	P7EB	ELLE	08/19/22 01:55
Total/NA	Prep	3510C			287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM		1	287573	UJM0	ELLE	08/19/22 04:45
Total/NA	Prep	3510C	RE		288127	QJZ6	ELLE	08/21/22 10:35
Total/NA	Analysis	8270D SIM	RE	1	288195	SJ89	ELLE	08/22/22 10:52
Total/NA	Prep	3510C	RA		287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM	RA	1	287637	UJM0	ELLE	08/19/22 07:24

Client Sample ID: DUP-01_082022

Lab Sample ID: 410-94417-3

Date Collected: 08/11/22 08:00
Date Received: 08/12/22 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	289040	TQ4J	ELLE	08/24/22 17:39
Total/NA	Prep	3510C			287252	XPN5	ELLE	08/18/22 09:50
Total/NA	Analysis	8270D		1	287356	P7EB	ELLE	08/19/22 02:16
Total/NA	Prep	3510C			287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM		1	287573	UJM0	ELLE	08/19/22 05:06
Total/NA	Prep	3510C	RE		288127	QJZ6	ELLE	08/21/22 10:35
Total/NA	Analysis	8270D SIM	RE	1	288195	SJ89	ELLE	08/22/22 11:14
Total/NA	Prep	3510C	RA		287248	XPN5	ELLE	08/18/22 09:43
Total/NA	Analysis	8270D SIM	RA	1	287637	UJM0	ELLE	08/19/22 07:46

Lab Chronicle

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Client Sample ID: FB-01_082022

Date Collected: 08/11/22 11:45
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	289040	TQ4J	ELLE	08/24/22 12:08
Total/NA	Prep	3510C			286371	YDF5	ELLE	08/16/22 09:10
Total/NA	Analysis	8270D		1	286564	P7EB	ELLE	08/16/22 23:11
Total/NA	Prep	3510C			286366	YDF5	ELLE	08/16/22 09:09
Total/NA	Analysis	8270D SIM		1	286632	UJM0	ELLE	08/17/22 02:53
Total/NA	Prep	3510C	RA		286366	YDF5	ELLE	08/16/22 09:09
Total/NA	Analysis	8270D SIM	RA	1	287123	UJM0	ELLE	08/17/22 20:58

Client Sample ID: Trip Blank

Date Collected: 08/11/22 00:00
Date Received: 08/12/22 10:20

Lab Sample ID: 410-94417-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	289040	TQ4J	ELLE	08/24/22 12:30

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Environmental Works, Inc. Job ID: 410-94417-1
Project/Site: Springfield, MO – OFIWP

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Missouri	State	450	01-31-25

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
8260C		Water	1,1,1-Trichloroethane
8260C		Water	1,1,2,2-Tetrachloroethane
8260C		Water	1,1,2-Trichloroethane
8260C		Water	1,1-Dichloroethane
8260C		Water	1,1-Dichloroethene
8260C		Water	1,2,4-Trichlorobenzene
8260C		Water	1,2,4-Trimethylbenzene
8260C		Water	1,2-Dibromo-3-Chloropropane
8260C		Water	1,2-Dibromoethane
8260C		Water	1,2-Dichlorobenzene
8260C		Water	1,2-Dichloroethane
8260C		Water	1,2-Dichloropropane
8260C		Water	1,3,5-Trimethylbenzene
8260C		Water	1,3-Dichlorobenzene
8260C		Water	1,4-Dichlorobenzene
8260C		Water	2-Butanone
8260C		Water	2-Hexanone
8260C		Water	4-Methyl-2-pentanone
8260C		Water	Acetone
8260C		Water	Benzene
8260C		Water	Bromodichloromethane
8260C		Water	Bromoform
8260C		Water	Bromomethane
8260C		Water	Carbon disulfide
8260C		Water	Carbon tetrachloride
8260C		Water	Chlorobenzene
8260C		Water	Chloroethane
8260C		Water	Chloroform
8260C		Water	Chloromethane
8260C		Water	cis-1,2-Dichloroethene
8260C		Water	cis-1,3-Dichloropropene
8260C		Water	Cyclohexane
8260C		Water	Dibromochloromethane
8260C		Water	Dichlorodifluoromethane
8260C		Water	Ethylbenzene
8260C		Water	Freon 113
8260C		Water	Isopropylbenzene
8260C		Water	Methyl acetate
8260C		Water	Methyl tertiary butyl ether
8260C		Water	Methylcyclohexane
8260C		Water	Methylene Chloride
8260C		Water	Styrene
8260C		Water	Tetrachloroethene
8260C		Water	Toluene
8260C		Water	trans-1,2-Dichloroethene

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date

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
8260C		Water	trans-1,3-Dichloropropene
8260C		Water	Trichloroethene
8260C		Water	Trichlorofluoromethane
8260C		Water	Vinyl chloride
8260C		Water	Xylenes, Total
8270D	3510C	Water	2,4-Dimethylphenol
8270D	3510C	Water	2,4-Dinitrophenol
8270D	3510C	Water	2-Chlorophenol
8270D	3510C	Water	Carbazole
8270D	3510C	Water	Phenol
8270D SIM	3510C	Water	1,4-Dioxane
8270D SIM	3510C	Water	1-Methylnaphthalene
8270D SIM	3510C	Water	2-Methylnaphthalene
8270D SIM	3510C	Water	Acenaphthene
8270D SIM	3510C	Water	Acenaphthylene
8270D SIM	3510C	Water	Anthracene
8270D SIM	3510C	Water	Benzo[a]anthracene
8270D SIM	3510C	Water	Benzo[a]pyrene
8270D SIM	3510C	Water	Benzo[b]fluoranthene
8270D SIM	3510C	Water	Benzo[g,h,i]perylene
8270D SIM	3510C	Water	Benzo[k]fluoranthene
8270D SIM	3510C	Water	Bis(2-chloroethyl)ether
8270D SIM	3510C	Water	Bis(2-ethylhexyl) phthalate
8270D SIM	3510C	Water	Butylbenzylphthalate
8270D SIM	3510C	Water	Chrysene
8270D SIM	3510C	Water	Dibenz(a,h)anthracene
8270D SIM	3510C	Water	Dibenzofuran
8270D SIM	3510C	Water	Diethylphthalate
8270D SIM	3510C	Water	Dimethylphthalate
8270D SIM	3510C	Water	Di-n-butyl phthalate
8270D SIM	3510C	Water	Di-n-octyl phthalate
8270D SIM	3510C	Water	Fluoranthene
8270D SIM	3510C	Water	Fluorene
8270D SIM	3510C	Water	Hexachlorobenzene
8270D SIM	3510C	Water	Indeno[1,2,3-cd]pyrene
8270D SIM	3510C	Water	Naphthalene
8270D SIM	3510C	Water	N-Nitrosodimethylamine
8270D SIM	3510C	Water	Phenanthrene
8270D SIM	3510C	Water	Pyrene

Method Summary

Client: Environmental Works, Inc. Job ID: 410-94417-1
Project/Site: Springfield, MO – OFIWP

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	ELLE
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Environmental Works, Inc.
Project/Site: Springfield, MO – OFIWP

Job ID: 410-94417-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-94417-1	FBS010_082022	Water	08/11/22 12:05	08/12/22 10:20
410-94417-2	FBW001_082022	Water	08/11/22 11:43	08/12/22 10:20
410-94417-3	DUP-01_082022	Water	08/11/22 08:00	08/12/22 10:20
410-94417-4	FB-01_082022	Water	08/11/22 11:45	08/12/22 10:20
410-94417-5	Trip Blank	Water	08/11/22 00:00	08/12/22 10:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: 9355 Analysis Batch Number: 262892

Lab Sample ID: IC 410-262892/18 Client Sample ID:

Date Analyzed: 06/07/22 15:15 Lab File ID: YU07X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.93	Incomplete Integration	mellingerc	06/08/22 09:01
t-Butyl alcohol-d10 (IS)	4.25	Split Peak	kellerk	06/09/22 08:39
t-Butyl alcohol	4.37	Split Peak	kellerk	06/09/22 08:39

Lab Sample ID: IC 410-262892/17 Client Sample ID:

Date Analyzed: 06/07/22 15:37 Lab File ID: YU07X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.28	Incomplete Integration	mellingerc	06/08/22 09:07
t-Butyl alcohol	4.37	Split Peak	kellerk	06/09/22 08:51

Lab Sample ID: ICIS 410-262892/16 Client Sample ID:

Date Analyzed: 06/07/22 16:00 Lab File ID: YU07X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	3.76	Split Peak	kellerk	06/09/22 08:33
t-Butyl alcohol-d10 (IS)	4.23	Incomplete Integration	mellingerc	06/08/22 09:06

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: 9355 Analysis Batch Number: 262892

Lab Sample ID: IC 410-262892/15 Client Sample ID:

Date Analyzed: 06/07/22 16:22 Lab File ID: YU07X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.24	Incomplete Integration	mellingerc	06/08/22 09:05
t-Butyl alcohol	4.40	Split Peak	kellerk	06/09/22 08:30
1,4-Dioxane	8.68	Incomplete Integration	kellerk	06/09/22 08:42

Lab Sample ID: IC 410-262892/14 Client Sample ID:

Date Analyzed: 06/07/22 16:44 Lab File ID: YU07X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.25	Incomplete Integration	mellingerc	06/08/22 09:04
1,4-Dioxane	8.68	Incomplete Integration	kellerk	06/09/22 08:42

Lab Sample ID: IC 410-262892/13 Client Sample ID:

Date Analyzed: 06/07/22 17:06 Lab File ID: YU07X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	4.03	Baseline	kellerk	06/09/22 08:18
1,4-Dioxane	8.68	Incomplete Integration	mellingerc	06/08/22 09:03

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: 9355 Analysis Batch Number: 262892

Lab Sample ID: IC 410-262892/12 Client Sample ID:

Date Analyzed: 06/07/22 17:28 Lab File ID: YU07X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 123a	3.35	Incomplete Integration	kellerk	06/09/22 08:44
Carbon disulfide	3.89	Incomplete Integration	kellerk	06/09/22 08:07
Methylene Chloride	4.23	Incomplete Integration	kellerk	06/09/22 08:08
Isobutyl alcohol	7.25	Incomplete Integration	kellerk	06/09/22 08:09
2-Chloroethyl vinyl ether	9.30	Incomplete Integration	kellerk	06/09/22 08:11
Cyclohexanone	12.17	Incomplete Integration	kellerk	06/09/22 08:13
1,4-Diethylbenzene	13.35	Baseline	kellerk	06/09/22 08:47
1,2-Diethylbenzene	13.42	Baseline	kellerk	06/09/22 08:46

Lab Sample ID: ICV 410-262892/20 Client Sample ID:

Date Analyzed: 06/07/22 18:12 Lab File ID: YU07X20.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.24	Incomplete Integration	mellinger c	06/08/22 09:51

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: 9355 Analysis Batch Number: 289040

Lab Sample ID: CCVIS 410-289040/3 Client Sample ID:

Date Analyzed: 08/24/22 09:26 Lab File ID: YG24X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.22	Incomplete Integration	TQ4J	08/24/22 09:56

Lab Sample ID: LCSD 410-289040/5 Client Sample ID:

Date Analyzed: 08/24/22 10:10 Lab File ID: YG24X04.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.26	Incomplete Integration	TQ4J	08/24/22 10:47

Lab Sample ID: MB 410-289040/7 Client Sample ID:

Date Analyzed: 08/24/22 10:55 Lab File ID: YG24X06.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.25	Incomplete Integration	TQ4J	08/24/22 13:21

Lab Sample ID: 410-94417-1 MS Client Sample ID: FBS010-MS_082022 MS

Date Analyzed: 08/24/22 16:33 Lab File ID: YG24X21.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.91	Incomplete Integration	pongsawatp	08/25/22 10:54
t-Butyl alcohol-d10 (IS)	4.23	Incomplete Integration	pongsawatp	08/25/22 10:53

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: 9355 Analysis Batch Number: 289040

Lab Sample ID: 410-94417-1 MSD Client Sample ID:

Date Analyzed: 08/24/22 16:55 Lab File ID: YG24X22.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.24	Incomplete Integration	pongsawatp	08/25/22 10:55

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 278565

Lab Sample ID: ICIS 410-278565/2 Client Sample ID:

Date Analyzed: 07/22/22 13:57 Lab File ID: LG2211.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a-Terpineol	5.72	Peak assignment corrected	bauera	07/23/22 09:06
2,3,4,6-Tetrachlorophenol	7.67	Peak assignment corrected	P7EB	07/25/22 14:44
1,2-Diphenylhydrazine	8.04	Peak assignment corrected	bauera	07/23/22 09:06
Dibenz[a,h]acridine	14.60	Peak assignment corrected	P7EB	07/24/22 14:15
Dibenz[a,j]acridine	14.68	Peak assignment corrected	P7EB	07/24/22 14:15

Lab Sample ID: IC 410-278565/3 Client Sample ID:

Date Analyzed: 07/22/22 14:18 Lab File ID: LG2212.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8 (IS)	5.70	Peak assignment corrected	P7EB	07/24/22 12:58
a-Terpineol	5.73	Peak assignment corrected	P7EB	07/24/22 12:58
2,3,4,6-Tetrachlorophenol	7.67	Peak assignment corrected	P7EB	07/25/22 14:45
1,2-Diphenylhydrazine	8.04	Peak assignment corrected	P7EB	07/24/22 12:59
Dimethoate	8.44	Peak assignment corrected	P7EB	07/24/22 12:59
Dibenz[a,h]acridine	14.61	Peak assignment corrected	P7EB	07/24/22 14:09
Dibenz[a,j]acridine	14.69	Peak assignment corrected	P7EB	07/24/22 14:09

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 278565

Lab Sample ID: IC 410-278565/4 Client Sample ID:

Date Analyzed: 07/22/22 14:40 Lab File ID: LG2213.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.84	Split Peak	P7EB	07/24/22 13:00
Phenol	4.11	Split Peak	P7EB	07/24/22 13:00
N-Nitrosodi-n-butylamine	6.09	Split Peak	P7EB	07/24/22 13:00
Isosafrole Peak 1	6.57	Split Peak	P7EB	07/24/22 13:01
2,3,4,6-Tetrachlorophenol	7.66	Peak assignment corrected	P7EB	07/25/22 14:45
1,2-Diphenylhydrazine	8.03	Split Peak	P7EB	07/24/22 13:01
1,3,5-Trinitrobenzene	8.23	Split Peak	P7EB	07/24/22 13:01
4-Bromophenyl-phenylether	8.35	Split Peak	P7EB	07/24/22 13:01
trans-Diallate	8.35	Split Peak	P7EB	07/24/22 13:02
Dimethoate	8.43	Split Peak	P7EB	07/24/22 13:02
Parathion	9.50	Split Peak	P7EB	07/24/22 13:02
Benzo[b]fluoranthene	12.81	Baseline	bauera	07/23/22 09:00
Dibenz[a,h]acridine	14.59	Incomplete Integration	P7EB	07/24/22 14:10
Dibenz[a,j]acridine	14.68	Incomplete Integration	P7EB	07/24/22 14:10
Dibenz(a,h)anthracene	15.01	Baseline	bauera	07/22/22 15:12

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 278565

Lab Sample ID: IC 410-278565/5 Client Sample ID:

Date Analyzed: 07/22/22 15:01 Lab File ID: LG2214.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodi-n-butylamine	6.09	Peak assignment corrected	P7EB	07/24/22 13:05
Isosafrole Peak 1	6.57	Peak assignment corrected	P7EB	07/24/22 13:05
1,4-Dinitrobenzene	7.05	Peak assignment corrected	P7EB	07/24/22 13:05
2,3,4,6-Tetrachlorophenol	7.67	Peak assignment corrected	P7EB	07/25/22 14:45
Thionazin	7.85	Incomplete Integration	P7EB	07/24/22 13:05
1,2-Diphenylhydrazine	8.03	Incomplete Integration	P7EB	07/24/22 13:05
trans-Diallate	8.35	Incomplete Integration	P7EB	07/24/22 13:06
Dimethoate	8.43	Incomplete Integration	P7EB	07/24/22 13:06
Dibenz[a,h]acridine	14.59	Incomplete Integration	P7EB	07/24/22 14:11
Dibenz[a,j]acridine	14.67	Incomplete Integration	P7EB	07/24/22 14:10
Indeno[1,2,3-cd]pyrene	14.94	Incomplete Integration	bauera	07/22/22 15:37
Dibenz(a,h)anthracene	15.00	Incomplete Integration	bauera	07/22/22 15:36
Benzo[g,h,i]perylene	15.38	Incomplete Integration	bauera	07/22/22 15:36

Lab Sample ID: IC 410-278565/6 Client Sample ID:

Date Analyzed: 07/22/22 15:23 Lab File ID: LG2215.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8 (IS)	5.70	Peak assignment corrected	P7EB	07/24/22 13:07
a-Terpineol	5.73	Peak assignment corrected	P7EB	07/24/22 13:07
2,3,4,6-Tetrachlorophenol	7.67	Peak assignment corrected	P7EB	07/25/22 14:45
1,2-Diphenylhydrazine	8.03	Peak assignment corrected	P7EB	07/24/22 13:07
Dimethoate	8.44	Peak assignment corrected	P7EB	07/24/22 13:07
Dibenz[a,h]acridine	14.60	Peak assignment corrected	P7EB	07/24/22 14:11
Dibenz[a,j]acridine	14.68	Peak assignment corrected	P7EB	07/24/22 14:11

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 278565

Lab Sample ID: IC 410-278565/7 Client Sample ID:

Date Analyzed: 07/22/22 15:44 Lab File ID: LG2216.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8 (IS)	5.70	Peak assignment corrected	P7EB	07/24/22 13:09
2,3,4,6-Tetrachlorophenol	7.67	Peak assignment corrected	P7EB	07/25/22 14:46
1,2-Diphenylhydrazine	8.03	Peak assignment corrected	P7EB	07/24/22 13:10
Dimethoate	8.43	Peak assignment corrected	P7EB	07/24/22 13:10
Dibenz[a,h]acridine	14.60	Peak assignment corrected	P7EB	07/24/22 14:11
Dibenz[a,j]acridine	14.68	Peak assignment corrected	P7EB	07/24/22 14:11

Lab Sample ID: IC 410-278565/8 Client Sample ID:

Date Analyzed: 07/22/22 16:06 Lab File ID: LG2217.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8 (IS)	5.70	Peak assignment corrected	P7EB	07/24/22 13:11
a-Terpineol	5.72	Peak assignment corrected	P7EB	07/24/22 13:11
2,3,4,6-Tetrachlorophenol	7.67	Peak assignment corrected	P7EB	07/25/22 14:46
1,2-Diphenylhydrazine	8.03	Peak assignment corrected	P7EB	07/24/22 13:11
Dimethoate	8.43	Peak assignment corrected	P7EB	07/24/22 13:11
Dibenz[a,h]acridine	14.60	Peak assignment corrected	P7EB	07/24/22 14:11
Dibenz[a,j]acridine	14.68	Peak assignment corrected	P7EB	07/24/22 14:11
Indeno[1,2,3-cd]pyrene	14.94	Split Peak	bauera	07/23/22 08:58

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 278565

Lab Sample ID: IC 410-278565/9 Client Sample ID:

Date Analyzed: 07/22/22 16:27 Lab File ID: LG2218.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8 (IS)	5.70	Peak assignment corrected	P7EB	07/24/22 13:12
a-Terpineol	5.72	Peak assignment corrected	P7EB	07/24/22 13:12
2,3,4,6-Tetrachlorophenol	7.67	Peak assignment corrected	P7EB	07/25/22 14:46
1,2-Diphenylhydrazine	8.03	Peak assignment corrected	P7EB	07/24/22 13:12
Dimethoate	8.43	Peak assignment corrected	P7EB	07/24/22 13:12
Dibenz[a,h]acridine	14.59	Incomplete Integration	P7EB	07/24/22 14:13
Dibenz[a,j]acridine	14.67	Incomplete Integration	P7EB	07/24/22 14:12
Indeno[1,2,3-cd]pyrene	14.94	Split Peak	bauera	07/23/22 08:58

Lab Sample ID: ICV 410-278565/12 Client Sample ID:

Date Analyzed: 07/22/22 17:31 Lab File ID: LG2221.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,3,4,6-Tetrachlorophenol	7.67	Peak assignment corrected	P7EB	07/25/22 14:47
1,2-Diphenylhydrazine	8.03	Peak assignment corrected	P7EB	07/24/22 13:21
Dimethoate	8.44	Peak assignment corrected	P7EB	07/24/22 13:21
Hexachlorocyclopentadiene		Invalid Compound ID	bauera	07/27/22 14:38

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 286564

Lab Sample ID: CCVIS 410-286564/2 Client Sample ID:

Date Analyzed: 08/16/22 15:05 Lab File ID: LH1651.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8	5.56	Peak assignment corrected	P7EB	08/16/22 15:33
Naphthalene	5.59	Peak assignment corrected	P7EB	08/16/22 15:34
4-Chloro-3-methylphenol	6.11	Peak assignment corrected	P7EB	08/16/22 15:35
1,2-Diphenylhydrazine	7.91	Peak assignment corrected	P7EB	08/16/22 15:35
a,a-Dimethylphenethylamine		Invalid Compound ID	P7EB	08/16/22 15:34

Lab Sample ID: MB 410-286371/1-A Client Sample ID:

Date Analyzed: 08/16/22 15:51 Lab File ID: LH1652.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol		Invalid Compound ID	P7EB	08/16/22 19:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 287356

Lab Sample ID: CCVIS 410-287356/2 Client Sample ID:

Date Analyzed: 08/18/22 16:08 Lab File ID: LH1851.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine		Invalid Compound ID	P7EB	08/18/22 16:36

Lab Sample ID: MB 410-287252/1-A Client Sample ID:

Date Analyzed: 08/18/22 17:10 Lab File ID: LH1853.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol		Invalid Compound ID	P7EB	08/18/22 17:51

Lab Sample ID: 410-94417-1 Client Sample ID: FBS010_082022

Date Analyzed: 08/19/22 00:52 Lab File ID: LH1875.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol		Invalid Compound ID	P7EB	08/21/22 20:30

Lab Sample ID: 410-94417-3 Client Sample ID: DUP-01_082022

Date Analyzed: 08/19/22 02:16 Lab File ID: LH1879.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol		Invalid Compound ID	P7EB	08/21/22 20:31

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 280637

Lab Sample ID: ICIS 410-280637/2 Client Sample ID:

Date Analyzed: 07/28/22 19:23 Lab File ID: MG1351b.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.85	Baseline	UJM0	07/29/22 06:35
Indeno[1,2,3-cd]pyrene	15.11	Baseline	UJM0	07/29/22 06:35

Lab Sample ID: IC 410-280637/3 Client Sample ID:

Date Analyzed: 07/28/22 20:06 Lab File ID: MG1352.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	15.12	Baseline	UJM0	07/29/22 06:37

Lab Sample ID: IC 410-280637/4 Client Sample ID:

Date Analyzed: 07/28/22 20:27 Lab File ID: MG1353.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.85	Baseline	UJM0	07/29/22 06:37
Indeno[1,2,3-cd]pyrene	15.10	Baseline	UJM0	07/29/22 06:37

Lab Sample ID: IC 410-280637/5 Client Sample ID:

Date Analyzed: 07/28/22 20:49 Lab File ID: MG1354.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.85	Baseline	UJM0	07/29/22 06:38
Indeno[1,2,3-cd]pyrene	15.10	Baseline	UJM0	07/29/22 06:38

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 280637

Lab Sample ID: IC 410-280637/6 Client Sample ID:

Date Analyzed: 07/28/22 21:10 Lab File ID: MG1355.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.85	Baseline	UJM0	07/29/22 06:39
Indeno[1,2,3-cd]pyrene	15.10	Baseline	UJM0	07/29/22 06:39

Lab Sample ID: IC 410-280637/7 Client Sample ID:

Date Analyzed: 07/28/22 21:32 Lab File ID: MG1356.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.86	Baseline	UJM0	07/29/22 06:40
N-Nitrosodimethylamine	2.15	Baseline	UJM0	07/29/22 06:40
Indeno[1,2,3-cd]pyrene	15.10	Baseline	UJM0	07/29/22 06:40

Lab Sample ID: ICV 410-280637/9 Client Sample ID:

Date Analyzed: 07/28/22 22:14 Lab File ID: MG1358.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.85	Baseline	UJM0	07/29/22 06:46
Bis(2-chloroethyl)ether	4.31	Baseline	UJM0	07/29/22 06:47
Indeno[1,2,3-cd]pyrene	15.10	Baseline	UJM0	07/29/22 06:47

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 286632

Lab Sample ID: CCVIS 410-286632/2 Client Sample ID:

Date Analyzed: 08/16/22 17:53 Lab File ID: MH1251.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.81	Baseline	SJ89	08/16/22 18:17
Indeno[1,2,3-cd]pyrene	15.05	Baseline	SJ89	08/16/22 18:17

Lab Sample ID: MB 410-286366/1-A Client Sample ID:

Date Analyzed: 08/16/22 19:45 Lab File ID: MH1255.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.82	Baseline	UJM0	08/17/22 03:31
Di-n-octyl phthalate		Invalid Compound ID	UJM0	08/17/22 03:32

Lab Sample ID: LCS 410-286366/2-A Client Sample ID:

Date Analyzed: 08/16/22 20:06 Lab File ID: MH1256.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.83	Baseline	UJM0	08/17/22 03:32
Indeno[1,2,3-cd]pyrene	15.04	Baseline	UJM0	08/17/22 03:33

Lab Sample ID: LCSD 410-286366/3-A Client Sample ID:

Date Analyzed: 08/16/22 20:28 Lab File ID: MH1257.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.83	Baseline	UJM0	08/17/22 03:33
Di-n-octyl phthalate	12.39	Baseline	UJM0	08/17/22 03:34
Indeno[1,2,3-cd]pyrene	15.04	Baseline	UJM0	08/17/22 03:34

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 286632

Lab Sample ID: 410-94417-4 Client Sample ID: FB-01_082022

Date Analyzed: 08/17/22 02:53 Lab File ID: MH1275.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.82	Baseline	UJM0	08/17/22 03:46
Di-n-butyl phthalate	9.36	Baseline	UJM0	08/17/22 03:46
Di-n-octyl phthalate		Invalid Compound ID	UJM0	08/17/22 03:46

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 287573

Lab Sample ID: CCVIS 410-287573/2 Client Sample ID:

Date Analyzed: 08/18/22 19:16 Lab File ID: MH1401.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthylene	7.25	Split Peak	SJ89	08/18/22 19:39
Indeno[1,2,3-cd]pyrene	15.05	Split Peak	SJ89	08/18/22 19:39

Lab Sample ID: MB 410-287248/1-A Client Sample ID:

Date Analyzed: 08/18/22 21:14 Lab File ID: MH1405.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.83	Baseline	UJM0	08/19/22 03:38
Di-n-octyl phthalate		Invalid Compound ID	UJM0	08/19/22 03:43

Lab Sample ID: LCS 410-287248/2-A Client Sample ID:

Date Analyzed: 08/18/22 21:36 Lab File ID: MH1406.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.84	Baseline	UJM0	08/19/22 03:40
Indeno[1,2,3-cd]pyrene	15.04	Baseline	UJM0	08/19/22 03:40

Lab Sample ID: LCSD 410-287248/3-A Client Sample ID:

Date Analyzed: 08/18/22 21:57 Lab File ID: MH1407.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.83	Baseline	UJM0	08/19/22 03:41
Acenaphthylene	7.25	Baseline	UJM0	08/19/22 03:41
Indeno[1,2,3-cd]pyrene	15.05	Baseline	UJM0	08/19/22 03:41

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 287573

Lab Sample ID: 410-94417-1 Client Sample ID: FBS010_082022

Date Analyzed: 08/19/22 03:41 Lab File ID: MH1423.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	UJM0	08/19/22 07:09
Di-n-octyl phthalate		Invalid Compound ID	UJM0	08/19/22 07:09

Lab Sample ID: 410-94417-1 MS Client Sample ID: FBS010-MS_082022 MS

Date Analyzed: 08/19/22 04:02 Lab File ID: MH1424.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.83	Baseline	UJM0	08/19/22 07:09
Di-n-octyl phthalate	12.39	Baseline	UJM0	08/19/22 07:10
Indeno[1,2,3-cd]pyrene	15.05	Baseline	UJM0	08/19/22 07:10

Lab Sample ID: 410-94417-1 MSD Client Sample ID: FBS010-MSD_082022 MSD

Date Analyzed: 08/19/22 04:23 Lab File ID: MH1425.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.84	Baseline	UJM0	08/19/22 07:10
Indeno[1,2,3-cd]pyrene	15.05	Baseline	UJM0	08/19/22 07:11

Lab Sample ID: 410-94417-2 Client Sample ID: FBW001_082022

Date Analyzed: 08/19/22 04:45 Lab File ID: MH1426.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	UJM0	08/19/22 07:11
Di-n-octyl phthalate		Invalid Compound ID	UJM0	08/19/22 07:11

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 287573

Lab Sample ID: 410-94417-3 Client Sample ID: DUP-01_082022

Date Analyzed: 08/19/22 05:06 Lab File ID: MH1427.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	UJM0	08/19/22 07:12
Butylbenzylphthalate		Invalid Compound ID	UJM0	08/19/22 07:12
Di-n-octyl phthalate		Invalid Compound ID	UJM0	08/19/22 07:12

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 288195

Lab Sample ID: CCVIS 410-288195/2 Client Sample ID:

Date Analyzed: 08/22/22 07:11 Lab File ID: MH1501a.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.79	Baseline	UJM0	08/22/22 07:40
Naphthalene-d8	5.72	Baseline	UJM0	08/22/22 07:35
Indeno[1,2,3-cd]pyrene	15.03	Baseline	UJM0	08/22/22 07:35

Lab Sample ID: MB 410-288127/1-A Client Sample ID:

Date Analyzed: 08/22/22 07:40 Lab File ID: MH1502.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.84	Baseline	SJ89	08/22/22 18:25
Diethylphthalate	7.78	Baseline	SJ89	08/22/22 18:25
Di-n-octyl phthalate		Invalid Compound ID	SJ89	08/22/22 18:26
N-Nitrosodimethylamine		Invalid Compound ID	SJ89	08/22/22 18:25
Butylbenzylphthalate	10.84	Baseline	SJ89	08/22/22 18:26
Benzo[a]anthracene	11.46	Baseline	SJ89	08/22/22 18:26
Chrysene	11.49	Baseline	SJ89	08/22/22 18:26
Indeno[1,2,3-cd]pyrene	15.04	Baseline	SJ89	08/22/22 18:26

Lab Sample ID: LCS 410-288127/2-A Client Sample ID:

Date Analyzed: 08/22/22 08:01 Lab File ID: MH1503.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.84	Baseline	SJ89	08/22/22 18:27
Bis(2-chloroethyl)ether	4.27	Baseline	SJ89	08/22/22 18:27
Acenaphthene	7.40	Baseline	SJ89	08/22/22 18:27
Indeno[1,2,3-cd]pyrene	15.03	Baseline	SJ89	08/22/22 18:28

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 288195

Lab Sample ID: LCSD 410-288127/3-A Client Sample ID:

Date Analyzed: 08/22/22 08:22 Lab File ID: MH1504.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.84	Baseline	SJ89	08/22/22 18:28
Indeno[1,2,3-cd]pyrene	15.03	Baseline	SJ89	08/22/22 18:29

Lab Sample ID: 410-94417-1 RE Client Sample ID: FBS010_082022 RE

Date Analyzed: 08/22/22 08:44 Lab File ID: MH1505.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.83	Baseline	SJ89	08/22/22 18:29
Di-n-octyl phthalate		Invalid Compound ID	SJ89	08/22/22 18:30
N-Nitrosodimethylamine		Invalid Compound ID	SJ89	08/22/22 18:29
Benzo[a]anthracene	11.45	Baseline	SJ89	08/22/22 18:30
Chrysene	11.48	Baseline	SJ89	08/22/22 18:30

Lab Sample ID: 410-94417-1 MS RE Client Sample ID: FBS010-MS_082022 MS RE

Date Analyzed: 08/22/22 09:05 Lab File ID: MH1506.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.84	Baseline	SJ89	08/22/22 18:31
Acenaphthylene	7.24	Baseline	SJ89	08/22/22 18:31
Acenaphthene	7.40	Baseline	SJ89	08/22/22 18:31
Indeno[1,2,3-cd]pyrene	15.03	Baseline	SJ89	08/22/22 18:32

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 288195

Lab Sample ID: 410-94417-1 MSD RE Client Sample ID: FBS010-MSD_082022 MSD RE

Date Analyzed: 08/22/22 09:27 Lab File ID: MH1507.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.83	Baseline	SJ89	08/22/22 18:32
Acenaphthylene	7.24	Baseline	SJ89	08/22/22 18:32
Indeno[1,2,3-cd]pyrene	15.03	Baseline	SJ89	08/22/22 18:33

Lab Sample ID: 410-94417-2 RE Client Sample ID: FBW001_082022 RE

Date Analyzed: 08/22/22 10:52 Lab File ID: MH1511.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.84	Baseline	SJ89	08/22/22 18:36
Diethylphthalate	7.79	Baseline	SJ89	08/22/22 18:50
Di-n-octyl phthalate		Invalid Compound ID	SJ89	08/22/22 18:50
N-Nitrosodimethylamine		Invalid Compound ID	SJ89	08/22/22 18:49
Pyrene		Invalid Compound ID	SJ89	08/22/22 18:50

Lab Sample ID: 410-94417-3 RE Client Sample ID: DUP-01_082022 RE

Date Analyzed: 08/22/22 11:14 Lab File ID: MH1512.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.83	Invalid Compound ID	SJ89	08/22/22 18:50
Di-n-octyl phthalate		Invalid Compound ID	SJ89	08/22/22 18:51
N-Nitrosodimethylamine		Invalid Compound ID	SJ89	08/22/22 18:50
Butylbenzylphthalate	10.84	Baseline	SJ89	08/22/22 18:51

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 250058

Lab Sample ID: IC 410-250058/7 Client Sample ID:

Date Analyzed: 04/29/22 17:03 Lab File ID: ND1406.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.73	Missed Peak	saadehw	04/29/22 17:29
N-Nitrosodimethylamine	2.06	Incomplete Integration	saadehw	04/29/22 17:29
Indeno[1,2,3-cd]pyrene	14.99	Incomplete Integration	saadehw	04/29/22 17:29
Dibenz(a,h)anthracene	15.04	Incomplete Integration	saadehw	04/29/22 17:30

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 287123

Lab Sample ID: CCVIS 410-287123/2 Client Sample ID:

Date Analyzed: 08/17/22 17:51 Lab File ID: NH1151.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether	4.12	Baseline	SJ89	08/17/22 18:14
Naphthalene-d8	5.59	Split Peak	SJ89	08/17/22 18:14

Lab Sample ID: MB 410-286366/1-A RA Client Sample ID:

Date Analyzed: 08/17/22 19:09 Lab File ID: NH1154.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-ethylhexyl) phthalate	11.34	Baseline	SJ89	08/17/22 19:33

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-94417-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 287637

Lab Sample ID: CCVIS 410-287637/2 Client Sample ID:

Date Analyzed: 08/19/22 04:38 Lab File ID: NH1301.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8	5.58	Baseline	UJM0	08/19/22 07:01

Lab Sample ID: LCS 410-287248/2-A Client Sample ID:

Date Analyzed: 08/19/22 05:36 Lab File ID: NH1303.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-butyl phthalate	9.23	Baseline	UJM0	08/19/22 07:23

Lab Sample ID: LCSD 410-287248/3-A Client Sample ID:

Date Analyzed: 08/19/22 05:58 Lab File ID: NH1304.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-butyl phthalate	9.23	Baseline	UJM0	08/19/22 07:25

Lab Sample ID: 410-94417-1 MS RA Client Sample ID: FBS010-MS_082022 MS RA

Date Analyzed: 08/19/22 06:41 Lab File ID: NH1306.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-butyl phthalate	9.23	Baseline	UJM0	08/19/22 07:27

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSS_RV8270_1_00024	10/27/22	07/18/22	MeCl2, Lot 222144	1 mL	MSS_FV8270_1_00027	250 uL	Benzidine	0.375 ppm
							1,3,5-Trinitrobenzene	0.125 ppm
							1,4-Dinitrobenzene	0.125 ppm
							1-Naphthylamine	0.125 ppm
							2-Acetylaminofluorene	0.125 ppm
							2-Naphthylamine	0.125 ppm
							2-Picoline	0.125 ppm
							2-Toluidine	0.125 ppm
							3,3'-Dimethylbenzidine	0.125 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.125 ppm
							4-Aminobiphenyl	0.125 ppm
							4-Nitroquinoline-1-oxide	0.125 ppm
							Dibenz[a,h]acridine	0.125 ppm
							N-Nitro-o-toluidine	0.125 ppm
							N-Nitrosodi-n-butylamine	0.125 ppm
							N-Nitrosodiethylamine	0.125 ppm
							N-Nitrosomethylethylamine	0.125 ppm
							N-Nitrosomorpholine	0.125 ppm
							N-Nitrosopiperidine	0.125 ppm
							N-Nitrosopyrrolidine	0.125 ppm
							p-Dimethylamino azobenzene	0.125 ppm
							p-Phenylene diamine	0.125 ppm
							Pentachloronitrobenzene	0.125 ppm
							Phenacetin	0.125 ppm
							Pronamide	0.125 ppm
							Quinoline	0.125 ppm
							1,4-Naphthoquinone	0.125 ppm
							1-Chloronaphthalene	0.125 ppm
							7,12-Dimethylbenz(a)anthracene	0.125 ppm
							Chlorobenzilate	0.125 ppm
							Dinoseb	0.125 ppm
							Ethyl methanesulfonate	0.125 ppm
							Hexachloropropene	0.125 ppm
							Isodrin	0.125 ppm
							Isosafrole Peak 1	0.02 ppm
							Isosafrole Peak 2	0.105 ppm
							Methyl methanesulfonate	0.125 ppm
							Pentachlorobenzene	0.125 ppm
							3-Methylcholanthrene	0.125 ppm
							6-Methylchrysene	0.125 ppm
							cis-Diallate	0.0925 ppm
							Dimethoate	0.125 ppm
							Disulfoton	0.125 ppm
							Ethyl Parathion	0.125 ppm
							Methyl parathion	0.125 ppm
							o,o',o''-Triethylphosphorothioate	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phorate	0.125 ppm
							Safrole, Total	0.125 ppm
							Sulfotepp	0.125 ppm
							Thionazin	0.125 ppm
							trans-Diallate	0.0325 ppm
							2,4,6-Tribromophenol (Surr)	0.25 ppm
							2-Fluorobiphenyl (Surr)	0.25 ppm
							2-Fluorophenol (Surr)	0.25 ppm
							Nitrobenzene-d5 (Surr)	0.25 ppm
							p-Terphenyl-d14 (Surr)	0.25 ppm
							Phenol-d5 (Surr)	0.25 ppm
							Dibenz[a,j]acridine	0.125 ppm
							1,1'-Biphenyl	0.125 ppm
							1,2,4,5-Tetrachlorobenzene	0.125 ppm
							1,2,4-Trichlorobenzene	0.125 ppm
							1,2-Dichlorobenzene	0.125 ppm
							1,2-Diphenylhydrazine	0.125 ppm
							1,3-Dichlorobenzene	0.125 ppm
							1,3-Dinitrobenzene	0.125 ppm
							1,4-Dichlorobenzene	0.125 ppm
							1,4-Dioxane	0.125 ppm
							1-Methylnaphthalene	0.125 ppm
							2,2'-oxybis[1-chloropropane]	0.125 ppm
							2,3,4,6-Tetrachlorophenol	0.125 ppm
							2,4,5-Trichlorophenol	0.125 ppm
							2,4,6-Trichlorophenol	0.125 ppm
							2,4-Dichlorophenol	0.125 ppm
							2,4-Dimethylphenol	0.125 ppm
							2,4-Dinitrophenol	1.25 ppm
							2,4-Dinitrotoluene	0.125 ppm
							2,6-Dichlorophenol	0.125 ppm
							2,6-Dinitrotoluene	0.125 ppm
							2-Chloronaphthalene	0.125 ppm
							2-Chlorophenol	0.125 ppm
							2-Methylnaphthalene	0.125 ppm
							2-Methylphenol	0.125 ppm
							2-Nitroaniline	0.125 ppm
							2-Nitrophenol	0.125 ppm
							3-Nitroaniline	0.125 ppm
							4,6-Dinitro-2-methylphenol	0.75 ppm
							4-Bromophenyl phenyl ether	0.125 ppm
							4-Chloro-3-methylphenol	0.125 ppm
							4-Chloroaniline	0.125 ppm
							4-Chlorophenyl phenyl ether	0.125 ppm
							4-Methylphenol	0.125 ppm
							4-Nitroaniline	0.125 ppm
							4-Nitrophenol	0.75 ppm
							Acenaphthene	0.125 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	0.125 ppm
							Acetophenone	0.125 ppm
							Aniline	0.125 ppm
							Anthracene	0.125 ppm
							Benzo[a]anthracene	0.125 ppm
							Benzo[a]pyrene	0.125 ppm
							Benzo[b]fluoranthene	0.125 ppm
							Benzo[g,h,i]perylene	0.125 ppm
							Benzo[k]fluoranthene	0.125 ppm
							Benzyl alcohol	0.125 ppm
							Bis(2-chloroethoxy)methane	0.125 ppm
							Bis(2-chloroethyl)ether	0.125 ppm
							Bis(2-ethylhexyl) phthalate	0.125 ppm
							Butylbenzylphthalate	0.125 ppm
							Carbazole	0.125 ppm
							Chrysene	0.125 ppm
							Di-n-butyl phthalate	0.125 ppm
							Di-n-octyl phthalate	0.125 ppm
							Dibenz(a,h)anthracene	0.125 ppm
							Dibenzofuran	0.125 ppm
							Diethylphthalate	0.125 ppm
							Dimethylphthalate	0.125 ppm
							Fluoranthene	0.125 ppm
							Fluorene	0.125 ppm
							Hexachlorobenzene	0.125 ppm
							Hexachlorobutadiene	0.125 ppm
							Hexachlorocyclopentadiene	0.125 ppm
							Hexachloroethane	0.125 ppm
							Indeno[1,2,3-cd]pyrene	0.125 ppm
							Isophorone	0.125 ppm
							N-Nitrosodi-n-propylamine	0.125 ppm
							N-Nitrosodimethylamine	0.125 ppm
							N-Nitrosodiphenylamine	0.10625 ppm
							Naphthalene	0.125 ppm
							Nitrobenzene	0.125 ppm
							Pentachlorophenol	0.625 ppm
							Phenanthrene	0.125 ppm
							Phenol	0.125 ppm
							Pyrene	0.125 ppm
							Pyridine	0.25 ppm
							3,3'-Dichlorobenzidine	0.125 ppm
							Alpha-Terpineol	0.125 ppm
							Dimethylformamide	0.125 ppm
							Octachlorostyrene	0.125 ppm
							Phenyl ether	0.125 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FV8270_1_00027	10/27/22	07/18/22	MeCl2, Lot 222144	2 mL	MSS_FV8270_2_00025	1000 uL	Benzidine	1.5 ppm
							1,3,5-Trinitrobenzene	0.5 ppm
							1,4-Dinitrobenzene	0.5 ppm
							1-Naphthylamine	0.5 ppm
							2-Acetylaminofluorene	0.5 ppm
							2-Naphthylamine	0.5 ppm
							2-Picoline	0.5 ppm
							2-Toluidine	0.5 ppm
							3,3'-Dimethylbenzidine	0.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.5 ppm
							4-Aminobiphenyl	0.5 ppm
							4-Nitroquinoline-1-oxide	0.5 ppm
							Dibenz[a,h]acridine	0.5 ppm
							N-Nitro-o-toluidine	0.5 ppm
							N-Nitrosodi-n-butylamine	0.5 ppm
							N-Nitrosodiethylamine	0.5 ppm
							N-Nitrosomethylethylamine	0.5 ppm
							N-Nitrosomorpholine	0.5 ppm
							N-Nitrosopiperidine	0.5 ppm
							N-Nitrosopyrrolidine	0.5 ppm
							p-Dimethylamino azobenzene	0.5 ppm
							p-Phenylene diamine	0.5 ppm
							Pentachloronitrobenzene	0.5 ppm
							Phenacetin	0.5 ppm
							Pronamide	0.5 ppm
							Quinoline	0.5 ppm
							1,4-Naphthoquinone	0.5 ppm
							1-Chloronaphthalene	0.5 ppm
							7,12-Dimethylbenz(a)anthracene	0.5 ppm
							Chlorobenzilate	0.5 ppm
							Dinoseb	0.5 ppm
							Ethyl methanesulfonate	0.5 ppm
							Hexachloropropene	0.5 ppm
							Isodrin	0.5 ppm
							Isosafrole Peak 1	0.08 ppm
							Isosafrole Peak 2	0.42 ppm
							Methyl methanesulfonate	0.5 ppm
							Pentachlorobenzene	0.5 ppm
							3-Methylcholanthrene	0.5 ppm
							6-Methylchrysene	0.5 ppm
							cis-Diallate	0.37 ppm
							Dimethoate	0.5 ppm
							Disulfoton	0.5 ppm
							Ethyl Parathion	0.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl parathion	0.5 ppm
							o,o',o''-Triethylphosphorothioate	0.5 ppm
							Phorate	0.5 ppm
							Safrole, Total	0.5 ppm
							Sulfotepp	0.5 ppm
							Thionazin	0.5 ppm
							trans-Diallate	0.13 ppm
							2,4,6-Tribromophenol (Surr)	1 ppm
							2-Fluorobiphenyl (Surr)	1 ppm
							2-Fluorophenol (Surr)	1 ppm
							Nitrobenzene-d5 (Surr)	1 ppm
							p-Terphenyl-d14 (Surr)	1 ppm
							Phenol-d5 (Surr)	1 ppm
							Dibenz[a,j]acridine	0.5 ppm
							1,1'-Biphenyl	0.5 ppm
							1,2,4,5-Tetrachlorobenzene	0.5 ppm
							1,2,4-Trichlorobenzene	0.5 ppm
							1,2-Dichlorobenzene	0.5 ppm
							1,2-Diphenylhydrazine	0.5 ppm
							1,3-Dichlorobenzene	0.5 ppm
							1,3-Dinitrobenzene	0.5 ppm
							1,4-Dichlorobenzene	0.5 ppm
							1,4-Dioxane	0.5 ppm
							1-Methylnaphthalene	0.5 ppm
							2,2'-oxybis[1-chloropropane]	0.5 ppm
							2,3,4,6-Tetrachlorophenol	0.5 ppm
							2,4,5-Trichlorophenol	0.5 ppm
							2,4,6-Trichlorophenol	0.5 ppm
							2,4-Dichlorophenol	0.5 ppm
							2,4-Dimethylphenol	0.5 ppm
							2,4-Dinitrophenol	5 ppm
							2,4-Dinitrotoluene	0.5 ppm
							2,6-Dichlorophenol	0.5 ppm
							2,6-Dinitrotoluene	0.5 ppm
							2-Chloronaphthalene	0.5 ppm
							2-Chlorophenol	0.5 ppm
							2-Methylnaphthalene	0.5 ppm
							2-Methylphenol	0.5 ppm
							2-Nitroaniline	0.5 ppm
							2-Nitrophenol	0.5 ppm
							3-Nitroaniline	0.5 ppm
							4,6-Dinitro-2-methylphenol	3 ppm
							4-Bromophenyl phenyl ether	0.5 ppm
							4-Chloro-3-methylphenol	0.5 ppm
							4-Chloroaniline	0.5 ppm
							4-Chlorophenyl phenyl ether	0.5 ppm
							4-Methylphenol	0.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	0.5 ppm
							4-Nitrophenol	3 ppm
							Acenaphthene	0.5 ppm
							Acenaphthylene	0.5 ppm
							Acetophenone	0.5 ppm
							Aniline	0.5 ppm
							Anthracene	0.5 ppm
							Benzo[a]anthracene	0.5 ppm
							Benzo[a]pyrene	0.5 ppm
							Benzo[b]fluoranthene	0.5 ppm
							Benzo[g,h,i]perylene	0.5 ppm
							Benzo[k]fluoranthene	0.5 ppm
							Benzyl alcohol	0.5 ppm
							Bis(2-chloroethoxy)methane	0.5 ppm
							Bis(2-chloroethyl)ether	0.5 ppm
							Bis(2-ethylhexyl) phthalate	0.5 ppm
							Butylbenzylphthalate	0.5 ppm
							Carbazole	0.5 ppm
							Chrysene	0.5 ppm
							Di-n-butyl phthalate	0.5 ppm
							Di-n-octyl phthalate	0.5 ppm
							Dibenz(a,h)anthracene	0.5 ppm
							Dibenzofuran	0.5 ppm
							Diethylphthalate	0.5 ppm
							Dimethylphthalate	0.5 ppm
							Fluoranthene	0.5 ppm
							Fluorene	0.5 ppm
							Hexachlorobenzene	0.5 ppm
							Hexachlorobutadiene	0.5 ppm
							Hexachlorocyclopentadiene	0.5 ppm
							Hexachloroethane	0.5 ppm
							Indeno[1,2,3-cd]pyrene	0.5 ppm
							Isophorone	0.5 ppm
							N-Nitrosodi-n-propylamine	0.5 ppm
							N-Nitrosodimethylamine	0.5 ppm
							N-Nitrosodiphenylamine	0.425 ppm
							Naphthalene	0.5 ppm
							Nitrobenzene	0.5 ppm
							Pentachlorophenol	2.5 ppm
							Phenanthrene	0.5 ppm
							Phenol	0.5 ppm
							Pyrene	0.5 ppm
							Pyridine	1 ppm
							3,3'-Dichlorobenzidine	0.5 ppm
							Alpha-Terpineol	0.5 ppm
							Dimethylformamide	0.5 ppm
							Octachlorostyrene	0.5 ppm
							Phenyl ether	0.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
					MSS_FV8270_IS_00005	20 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_FV8270_2_00025	10/27/22	07/18/22	MeCl2, Lot 222144	5 mL	MSS_8270_APWS_00011	20 uL	Benzidine	3 ppm
							1,3,5-Trinitrobenzene	1 ppm
							1,4-Dinitrobenzene	1 ppm
							1-Naphthylamine	1 ppm
							2-Acetylaminofluorene	1 ppm
							2-Naphthylamine	1 ppm
							2-Picoline	1 ppm
							2-Toluidine	1 ppm
							3,3'-Dimethylbenzidine	1 ppm
							4,4'-Methylene bis(2-chloroaniline)	1 ppm
							4-Aminobiphenyl	1 ppm
							4-Nitroquinoline-1-oxide	1 ppm
							Dibenz[a,h]acridine	1 ppm
							N-Nitro-o-toluidine	1 ppm
							N-Nitrosodi-n-butylamine	1 ppm
							N-Nitrosodiethylamine	1 ppm
							N-Nitrosomethylethylamine	1 ppm
							N-Nitrosomorpholine	1 ppm
							N-Nitrosopiperidine	1 ppm
							N-Nitrosopyrrolidine	1 ppm
							p-Dimethylamino azobenzene	1 ppm
							p-Phenylene diamine	1 ppm
							Pentachloronitrobenzene	1 ppm
							Phenacetin	1 ppm
							Pronamide	1 ppm
							Quinoline	1 ppm
							1,4-Naphthoquinone	1 ppm
							1-Chloronaphthalene	1 ppm
							7,12-Dimethylbenz(a)anthracene	1 ppm
							Chlorobenzilate	1 ppm
							Dinoseb	1 ppm
							Ethyl methanesulfonate	1 ppm
							Hexachloropropene	1 ppm
							Isodrin	1 ppm
							Isosafrole Peak 1	0.16 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	0.84 ppm
							Methyl methanesulfonate	1 ppm
							Pentachlorobenzene	1 ppm
							3-Methylcholanthrene	1 ppm
							6-Methylchrysene	1 ppm
							cis-Diallate	0.74 ppm
							Dimethoate	1 ppm
							Disulfoton	1 ppm
							Ethyl Parathion	1 ppm
							Methyl parathion	1 ppm
							o,o',o''-Triethylphosphorothioate	1 ppm
							Phorate	1 ppm
							Safrole, Total	1 ppm
							Sulfotepp	1 ppm
							Thionazin	1 ppm
							trans-Diallate	0.26 ppm
					MSS_8270_WS_00012	20 uL	2,4,6-Tribromophenol (Surr)	2 ppm
							2-Fluorobiphenyl (Surr)	2 ppm
							2-Fluorophenol (Surr)	2 ppm
							Nitrobenzene-d5 (Surr)	2 ppm
							p-Terphenyl-d14 (Surr)	2 ppm
							Phenol-d5 (Surr)	2 ppm
							Dibenz[a,j]acridine	1 ppm
							1,1'-Biphenyl	1 ppm
							1,2,4,5-Tetrachlorobenzene	1 ppm
							1,2,4-Trichlorobenzene	1 ppm
							1,2-Dichlorobenzene	1 ppm
							1,2-Diphenylhydrazine	1 ppm
							1,3-Dichlorobenzene	1 ppm
							1,3-Dinitrobenzene	1 ppm
							1,4-Dichlorobenzene	1 ppm
							1,4-Dioxane	1 ppm
							1-Methylnaphthalene	1 ppm
							2,2'-oxybis[1-chloropropane]	1 ppm
							2,3,4,6-Tetrachlorophenol	1 ppm
							2,4,5-Trichlorophenol	1 ppm
							2,4,6-Trichlorophenol	1 ppm
							2,4-Dichlorophenol	1 ppm
							2,4-Dimethylphenol	1 ppm
							2,4-Dinitrophenol	10 ppm
							2,4-Dinitrotoluene	1 ppm
							2,6-Dichlorophenol	1 ppm
							2,6-Dinitrotoluene	1 ppm
							2-Chloronaphthalene	1 ppm
							2-Chlorophenol	1 ppm
							2-Methylnaphthalene	1 ppm
							2-Methylphenol	1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	1 ppm
							2-Nitrophenol	1 ppm
							3-Nitroaniline	1 ppm
							4,6-Dinitro-2-methylphenol	6 ppm
							4-Bromophenyl phenyl ether	1 ppm
							4-Chloro-3-methylphenol	1 ppm
							4-Chloroaniline	1 ppm
							4-Chlorophenyl phenyl ether	1 ppm
							4-Methylphenol	1 ppm
							4-Nitroaniline	1 ppm
							4-Nitrophenol	6 ppm
							Acenaphthene	1 ppm
							Acenaphthylene	1 ppm
							Acetophenone	1 ppm
							Aniline	1 ppm
							Anthracene	1 ppm
							Benzo[a]anthracene	1 ppm
							Benzo[a]pyrene	1 ppm
							Benzo[b]fluoranthene	1 ppm
							Benzo[g,h,i]perylene	1 ppm
							Benzo[k]fluoranthene	1 ppm
							Benzyl alcohol	1 ppm
							Bis(2-chloroethoxy)methane	1 ppm
							Bis(2-chloroethyl)ether	1 ppm
							Bis(2-ethylhexyl) phthalate	1 ppm
							Butylbenzylphthalate	1 ppm
							Carbazole	1 ppm
							Chrysene	1 ppm
							Di-n-butyl phthalate	1 ppm
							Di-n-octyl phthalate	1 ppm
							Dibenz(a,h)anthracene	1 ppm
							Dibenzofuran	1 ppm
							Diethylphthalate	1 ppm
							Dimethylphthalate	1 ppm
							Fluoranthene	1 ppm
							Fluorene	1 ppm
							Hexachlorobenzene	1 ppm
							Hexachlorobutadiene	1 ppm
							Hexachlorocyclopentadiene	1 ppm
							Hexachloroethane	1 ppm
							Indeno[1,2,3-cd]pyrene	1 ppm
							Isophorone	1 ppm
							N-Nitrosodi-n-propylamine	1 ppm
							N-Nitrosodimethylamine	1 ppm
							N-Nitrosodiphenylamine	0.85 ppm
							Naphthalene	1 ppm
							Nitrobenzene	1 ppm
							Pentachlorophenol	5 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	1 ppm
							Phenol	1 ppm
							Pyrene	1 ppm
							Pyridine	2 ppm
							3,3'-Dichlorobenzidine	1 ppm
							Benzidine	3 ppm
							Alpha-Terpineol	1 ppm
							Dimethylformamide	1 ppm
							Octachlorostyrene	1 ppm
							Phenyl ether	1 ppm
					MSS_AB_24DNP_00007	40 uL	2,4-Dinitrophenol	10 ppm
					MSS_AB_46D2MP_00004	20 uL	4,6-Dinitro-2-methylphenol	6 ppm
					MSS_AB_4NP_00003	20 uL	4-Nitrophenol	6 ppm
					MSS_AB_PCP_00003	15 uL	Pentachlorophenol	5 ppm
					MSS_FV8270_IS_00005	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
...MSS_8270_APWS_00011	11/30/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00008	2500 uL	1,4-Naphthoquinone	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
....MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
....OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
....OP_RES_APPX2_00008	11/30/22		Restek, Lot A0178828		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
....OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
....OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
...MSS_8270_WS_00012	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
....MSS_8270_SURR_00004	10/31/23	Sigma- Aldrich, Lot LRAC8467			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
....OP_RES_APPX6_00004	08/31/24	Restek, Lot A0175669			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
....OP_RES_LCS1_00007	02/28/23	Restek, Lot A0175066			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
....OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
....OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
...MSS_AB_24DNP_00007	12/09/25		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
...MSS_AB_46D2MP_00004	11/19/24		Absolute, Lot 111924		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
...MSS_AB_4NP_00003	07/24/23		Absolute, Lot 072418		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
...MSS_AB_PCP_00003	10/27/22		Absolute, Lot 102717		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
...MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
							1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_2_00023	10/27/22	07/18/22	MeCl2, Lot 222144	3 mL	MSS_BAS_WS_00006	7.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_FV8270_2_00025	750 uL	Benzidine	0.75 ppm
							1,3,5-Trinitrobenzene	0.25 ppm
							1,4-Dinitrobenzene	0.25 ppm
							1-Naphthylamine	0.25 ppm
							2-Acetylaminofluorene	0.25 ppm
							2-Naphthylamine	0.25 ppm
							2-Picoline	0.25 ppm
							2-Toluidine	0.25 ppm
							3,3'-Dimethylbenzidine	0.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.25 ppm
							4-Aminobiphenyl	0.25 ppm
							4-Nitroquinoline-1-oxide	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,h]acridine	0.25 ppm
							N-Nitro-o-toluidine	0.25 ppm
							N-Nitrosodi-n-butylamine	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							Thionazin	0.25 ppm
							trans-Diallate	0.065 ppm
							2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,2'-oxybis[1-chloropropane]	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Methylphenol	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl phenyl ether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl phenyl ether	0.25 ppm
							4-Methylphenol	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butylbenzylphthalate	0.25 ppm
							Carbazole	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							Dibenzofuran	0.25 ppm
							Diethylphthalate	0.25 ppm
							Dimethylphthalate	0.25 ppm
							Fluoranthene	0.25 ppm
							Fluorene	0.25 ppm
							Hexachlorobenzene	0.25 ppm
							Hexachlorobutadiene	0.25 ppm
							Hexachlorocyclopentadiene	0.25 ppm
							Hexachloroethane	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							Isophorone	0.25 ppm
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							N-Nitrosodiphenylamine	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm
							Phenyl ether	0.25 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00006	11/30/22	05/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_2_00025	10/27/22	07/18/22	MeCl2, Lot 222144	5 mL	MSS_8270_APWS_00011	20 uL	Benzidine	3 ppm
							1,3,5-Trinitrobenzene	1 ppm
							1,4-Dinitrobenzene	1 ppm
							1-Naphthylamine	1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Acetylaminofluorene	1 ppm
							2-Naphthylamine	1 ppm
							2-Picoline	1 ppm
							2-Toluidine	1 ppm
							3,3'-Dimethylbenzidine	1 ppm
							4,4'-Methylene bis(2-chloroaniline)	1 ppm
							4-Aminobiphenyl	1 ppm
							4-Nitroquinoline-1-oxide	1 ppm
							Dibenz[a,h]acridine	1 ppm
							N-Nitro-o-toluidine	1 ppm
							N-Nitrosodi-n-butylamine	1 ppm
							N-Nitrosodiethylamine	1 ppm
							N-Nitrosomethylethylamine	1 ppm
							N-Nitrosomorpholine	1 ppm
							N-Nitrosopiperidine	1 ppm
							N-Nitrosopyrrolidine	1 ppm
							p-Dimethylamino azobenzene	1 ppm
							p-Phenylene diamine	1 ppm
							Pentachloronitrobenzene	1 ppm
							Phenacetin	1 ppm
							Pronamide	1 ppm
							Quinoline	1 ppm
							1,4-Naphthoquinone	1 ppm
							1-Chloronaphthalene	1 ppm
							7,12-Dimethylbenz(a)anthracene	1 ppm
							Chlorobenzilate	1 ppm
							Dinoseb	1 ppm
							Ethyl methanesulfonate	1 ppm
							Hexachloropropene	1 ppm
							Isodrin	1 ppm
							Isosafrole Peak 1	0.16 ppm
							Isosafrole Peak 2	0.84 ppm
							Methyl methanesulfonate	1 ppm
							Pentachlorobenzene	1 ppm
							3-Methylcholanthrene	1 ppm
							6-Methylchrysene	1 ppm
							cis-Diallate	0.74 ppm
							Dimethoate	1 ppm
							Disulfoton	1 ppm
							Ethyl Parathion	1 ppm
							Methyl parathion	1 ppm
							o,o',o''-Triethylphosphorothioate	1 ppm
							Phorate	1 ppm
							Safrole, Total	1 ppm
							Sulfotepp	1 ppm
							Thionazin	1 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	0.26 ppm
					MSS_8270_WS_00012	20 uL	2,4,6-Tribromophenol (Surr)	2 ppm
							2-Fluorobiphenyl (Surr)	2 ppm
							2-Fluorophenol (Surr)	2 ppm
							Nitrobenzene-d5 (Surr)	2 ppm
							p-Terphenyl-d14 (Surr)	2 ppm
							Phenol-d5 (Surr)	2 ppm
							Dibenz[a,j]acridine	1 ppm
							1,1'-Biphenyl	1 ppm
							1,2,4,5-Tetrachlorobenzene	1 ppm
							1,2,4-Trichlorobenzene	1 ppm
							1,2-Dichlorobenzene	1 ppm
							1,2-Diphenylhydrazine	1 ppm
							1,3-Dichlorobenzene	1 ppm
							1,3-Dinitrobenzene	1 ppm
							1,4-Dichlorobenzene	1 ppm
							1,4-Dioxane	1 ppm
							1-Methylnaphthalene	1 ppm
							2,2'-oxybis[1-chloropropane]	1 ppm
							2,3,4,6-Tetrachlorophenol	1 ppm
							2,4,5-Trichlorophenol	1 ppm
							2,4,6-Trichlorophenol	1 ppm
							2,4-Dichlorophenol	1 ppm
							2,4-Dimethylphenol	1 ppm
							2,4-Dinitrophenol	10 ppm
							2,4-Dinitrotoluene	1 ppm
							2,6-Dichlorophenol	1 ppm
							2,6-Dinitrotoluene	1 ppm
							2-Chloronaphthalene	1 ppm
							2-Chlorophenol	1 ppm
							2-Methylnaphthalene	1 ppm
							2-Methylphenol	1 ppm
							2-Nitroaniline	1 ppm
							2-Nitrophenol	1 ppm
							3-Nitroaniline	1 ppm
							4,6-Dinitro-2-methylphenol	6 ppm
							4-Bromophenyl phenyl ether	1 ppm
							4-Chloro-3-methylphenol	1 ppm
							4-Chloroaniline	1 ppm
							4-Chlorophenyl phenyl ether	1 ppm
							4-Methylphenol	1 ppm
							4-Nitroaniline	1 ppm
							4-Nitrophenol	6 ppm
							Acenaphthene	1 ppm
							Acenaphthylene	1 ppm
							Acetophenone	1 ppm
							Aniline	1 ppm
							Anthracene	1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	1 ppm
							Benzo[a]pyrene	1 ppm
							Benzo[b]fluoranthene	1 ppm
							Benzo[g,h,i]perylene	1 ppm
							Benzo[k]fluoranthene	1 ppm
							Benzyl alcohol	1 ppm
							Bis(2-chloroethoxy)methane	1 ppm
							Bis(2-chloroethyl)ether	1 ppm
							Bis(2-ethylhexyl) phthalate	1 ppm
							Butylbenzylphthalate	1 ppm
							Carbazole	1 ppm
							Chrysene	1 ppm
							Di-n-butyl phthalate	1 ppm
							Di-n-octyl phthalate	1 ppm
							Dibenz(a,h)anthracene	1 ppm
							Dibenzofuran	1 ppm
							Diethylphthalate	1 ppm
							Dimethylphthalate	1 ppm
							Fluoranthene	1 ppm
							Fluorene	1 ppm
							Hexachlorobenzene	1 ppm
							Hexachlorobutadiene	1 ppm
							Hexachlorocyclopentadiene	1 ppm
							Hexachloroethane	1 ppm
							Indeno[1,2,3-cd]pyrene	1 ppm
							Isophorone	1 ppm
							N-Nitrosodi-n-propylamine	1 ppm
							N-Nitrosodimethylamine	1 ppm
							N-Nitrosodiphenylamine	0.85 ppm
							Naphthalene	1 ppm
							Nitrobenzene	1 ppm
							Pentachlorophenol	5 ppm
							Phenanthrene	1 ppm
							Phenol	1 ppm
							Pyrene	1 ppm
							Pyridine	2 ppm
							3,3'-Dichlorobenzidine	1 ppm
							Benzidine	3 ppm
							Alpha-Terpineol	1 ppm
							Dimethylformamide	1 ppm
							Octachlorostyrene	1 ppm
							Phenyl ether	1 ppm
					MSS_AB_24DNP_00007	40 uL	2,4-Dinitrophenol	10 ppm
					MSS_AB_46D2MP_00004	20 uL	4,6-Dinitro-2-methylphenol	6 ppm
					MSS_AB_4NP_00003	20 uL	4-Nitrophenol	6 ppm
					MSS_AB_PCP_00003	15 uL	Pentachlorophenol	5 ppm
					MSS_FV8270_IS_00005	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_00011	11/30/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00008	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00008	11/30/22		Restek, Lot A0178828		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00012	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23	Sigma- Aldrich, Lot LRAC8467			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24	Restek, Lot A0175669			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23	Restek, Lot A0175066			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_AB_24DNP_00007	12/09/25		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00004	11/19/24		Absolute, Lot 111924		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00003	07/24/23		Absolute, Lot 072418		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
..MSS_AB_PCP_00003	10/27/22		Absolute, Lot 102717		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_3_00022	11/30/22	07/18/22	MeCl2, Lot 222144	1 mL	MSS_BAS_WS_00006	12.5 uL	Atrazine	1.25 ppm
							Benzaldehyde	1.25 ppm
							Caprolactam	1.25 ppm
					MSS_FV8270_3_00025	250 uL	Benzidine	3.75 ppm
							1,3,5-Trinitrobenzene	1.25 ppm
							1,4-Dinitrobenzene	1.25 ppm
							1-Naphthylamine	1.25 ppm
							2-Acetylaminofluorene	1.25 ppm
							2-Naphthylamine	1.25 ppm
							2-Picoline	1.25 ppm
							2-Toluidine	1.25 ppm
							3,3'-Dimethylbenzidine	1.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	1.25 ppm
							4-Aminobiphenyl	1.25 ppm
							4-Nitroquinoline-1-oxide	1.25 ppm
							Dibenz[a,h]acridine	1.25 ppm
							N-Nitro-o-toluidine	1.25 ppm
							N-Nitrosodi-n-butylamine	1.25 ppm
							N-Nitrosodiethylamine	1.25 ppm
							N-Nitrosomethylethylamine	1.25 ppm
							N-Nitrosomorpholine	1.25 ppm
							N-Nitrosopiperidine	1.25 ppm
							N-Nitrosopyrrolidine	1.25 ppm
							p-Dimethylamino azobenzene	1.25 ppm
							p-Phenylene diamine	1.25 ppm
							Pentachloronitrobenzene	1.25 ppm
							Phenacetin	1.25 ppm
							Pronamide	1.25 ppm
							Quinoline	1.25 ppm
							1,4-Naphthoquinone	1.25 ppm
							1-Chloronaphthalene	1.25 ppm
							7,12-Dimethylbenz(a)anthracene	1.25 ppm
							Chlorobenzilate	1.25 ppm
							Dinoseb	1.25 ppm
							Ethyl methanesulfonate	1.25 ppm
							Hexachloropropene	1.25 ppm
							Isodrin	1.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 1	0.2 ppm
							Isosafrole Peak 2	1.05 ppm
							Methyl methanesulfonate	1.25 ppm
							Pentachlorobenzene	1.25 ppm
							3-Methylcholanthrene	1.25 ppm
							6-Methylchrysene	1.25 ppm
							cis-Diallate	0.925 ppm
							Dimethoate	1.25 ppm
							Disulfoton	1.25 ppm
							Ethyl Parathion	1.25 ppm
							Methyl parathion	1.25 ppm
							o,o',o''-Triethylphosphorothioate	1.25 ppm
							Phorate	1.25 ppm
							Safrole, Total	1.25 ppm
							Sulfotepp	1.25 ppm
							Thionazin	1.25 ppm
							trans-Diallate	0.325 ppm
							2,4,6-Tribromophenol (Surr)	2.5 ppm
							2-Fluorobiphenyl (Surr)	2.5 ppm
							2-Fluorophenol (Surr)	2.5 ppm
							Nitrobenzene-d5 (Surr)	2.5 ppm
							p-Terphenyl-d14 (Surr)	2.5 ppm
							Phenol-d5 (Surr)	2.5 ppm
							Dibenz[a,j]acridine	1.25 ppm
							1,1'-Biphenyl	1.25 ppm
							1,2,4,5-Tetrachlorobenzene	1.25 ppm
							1,2,4-Trichlorobenzene	1.25 ppm
							1,2-Dichlorobenzene	1.25 ppm
							1,2-Diphenylhydrazine	1.25 ppm
							1,3-Dichlorobenzene	1.25 ppm
							1,3-Dinitrobenzene	1.25 ppm
							1,4-Dichlorobenzene	1.25 ppm
							1,4-Dioxane	1.25 ppm
							1-Methylnaphthalene	1.25 ppm
							2,2'-oxybis[1-chloropropane]	1.25 ppm
							2,3,4,6-Tetrachlorophenol	1.25 ppm
							2,4,5-Trichlorophenol	1.25 ppm
							2,4,6-Trichlorophenol	1.25 ppm
							2,4-Dichlorophenol	1.25 ppm
							2,4-Dimethylphenol	1.25 ppm
							2,4-Dinitrophenol	5 ppm
							2,4-Dinitrotoluene	1.25 ppm
							2,6-Dichlorophenol	1.25 ppm
							2,6-Dinitrotoluene	1.25 ppm
							2-Chloronaphthalene	1.25 ppm
							2-Chlorophenol	1.25 ppm
							2-Methylnaphthalene	1.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	1.25 ppm
							2-Nitroaniline	1.25 ppm
							2-Nitrophenol	1.25 ppm
							3-Nitroaniline	1.25 ppm
							4,6-Dinitro-2-methylphenol	3.75 ppm
							4-Bromophenyl phenyl ether	1.25 ppm
							4-Chloro-3-methylphenol	1.25 ppm
							4-Chloroaniline	1.25 ppm
							4-Chlorophenyl phenyl ether	1.25 ppm
							4-Methylphenol	1.25 ppm
							4-Nitroaniline	1.25 ppm
							4-Nitrophenol	3.75 ppm
							Acenaphthene	1.25 ppm
							Acenaphthylene	1.25 ppm
							Acetophenone	1.25 ppm
							Aniline	1.25 ppm
							Anthracene	1.25 ppm
							Benzo[a]anthracene	1.25 ppm
							Benzo[a]pyrene	1.25 ppm
							Benzo[b]fluoranthene	1.25 ppm
							Benzo[g,h,i]perylene	1.25 ppm
							Benzo[k]fluoranthene	1.25 ppm
							Benzyl alcohol	1.25 ppm
							Bis(2-chloroethoxy)methane	1.25 ppm
							Bis(2-chloroethyl)ether	1.25 ppm
							Bis(2-ethylhexyl) phthalate	1.25 ppm
							Butylbenzylphthalate	1.25 ppm
							Carbazole	1.25 ppm
							Chrysene	1.25 ppm
							Di-n-butyl phthalate	1.25 ppm
							Di-n-octyl phthalate	1.25 ppm
							Dibenz(a,h)anthracene	1.25 ppm
							Dibenzofuran	1.25 ppm
							Diethylphthalate	1.25 ppm
							Dimethylphthalate	1.25 ppm
							Fluoranthene	1.25 ppm
							Fluorene	1.25 ppm
							Hexachlorobenzene	1.25 ppm
							Hexachlorobutadiene	1.25 ppm
							Hexachlorocyclopentadiene	1.25 ppm
							Hexachloroethane	1.25 ppm
							Indeno[1,2,3-cd]pyrene	1.25 ppm
							Isophorone	1.25 ppm
							N-Nitrosodi-n-propylamine	1.25 ppm
							N-Nitrosodimethylamine	1.25 ppm
							N-Nitrosodiphenylamine	1.0625 ppm
							Naphthalene	1.25 ppm
							Nitrobenzene	1.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2.5 ppm
							Phenanthrene	1.25 ppm
							Phenol	1.25 ppm
							Pyrene	1.25 ppm
							Pyridine	2.5 ppm
							3,3'-Dichlorobenzidine	1.25 ppm
							Alpha-Terpineol	1.25 ppm
							Dimethylformamide	1.25 ppm
							Octachlorostyrene	1.25 ppm
							Phenyl ether	1.25 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00006	11/30/22	05/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_3_00025	11/30/22	07/18/22	MeCl2, Lot 222144	2 mL	MSS_8270_APWS_00011	40 uL	Benzidine	15 ppm
							1,3,5-Trinitrobenzene	5 ppm
							1,4-Dinitrobenzene	5 ppm
							1-Naphthylamine	5 ppm
							2-Acetylaminofluorene	5 ppm
							2-Naphthylamine	5 ppm
							2-Picoline	5 ppm
							2-Toluidine	5 ppm
							3,3'-Dimethylbenzidine	5 ppm
							4,4'-Methylene bis(2-chloroaniline)	5 ppm
							4-Aminobiphenyl	5 ppm
							4-Nitroquinoline-1-oxide	5 ppm
							Dibenz[a,h]acridine	5 ppm
							N-Nitro-o-toluidine	5 ppm
							N-Nitrosodi-n-butylamine	5 ppm
							N-Nitrosodiethylamine	5 ppm
							N-Nitrosomethylethylamine	5 ppm
							N-Nitrosomorpholine	5 ppm
							N-Nitrosopiperidine	5 ppm
							N-Nitrosopyrrolidine	5 ppm
							p-Dimethylamino azobenzene	5 ppm
							p-Phenylene diamine	5 ppm
							Pentachloronitrobenzene	5 ppm
							Phenacetin	5 ppm
							Pronamide	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Quinoline	5 ppm
							1,4-Naphthoquinone	5 ppm
							1-Chloronaphthalene	5 ppm
							7,12-Dimethylbenz(a)anthracene	5 ppm
							Chlorobenzilate	5 ppm
							Dinoseb	5 ppm
							Ethyl methanesulfonate	5 ppm
							Hexachloropropene	5 ppm
							Isodrin	5 ppm
							Isosafrole Peak 1	0.8 ppm
							Isosafrole Peak 2	4.2 ppm
							Methyl methanesulfonate	5 ppm
							Pentachlorobenzene	5 ppm
							3-Methylcholanthrene	5 ppm
							6-Methylchrysene	5 ppm
							cis-Diallate	3.7 ppm
							Dimethoate	5 ppm
							Disulfoton	5 ppm
							Ethyl Parathion	5 ppm
							Methyl parathion	5 ppm
							o,o',o''-Triethylphosphorothioate	5 ppm
							Phorate	5 ppm
							Safrole, Total	5 ppm
							Sulfotepp	5 ppm
							Thionazin	5 ppm
							trans-Diallate	1.3 ppm
					MSS_8270_WS_00012	40 uL	2,4,6-Tribromophenol (Surr)	10 ppm
							2-Fluorobiphenyl (Surr)	10 ppm
							2-Fluorophenol (Surr)	10 ppm
							Nitrobenzene-d5 (Surr)	10 ppm
							p-Terphenyl-d14 (Surr)	10 ppm
							Phenol-d5 (Surr)	10 ppm
							Dibenz[a,j]acridine	5 ppm
							1,1'-Biphenyl	5 ppm
							1,2,4,5-Tetrachlorobenzene	5 ppm
							1,2,4-Trichlorobenzene	5 ppm
							1,2-Dichlorobenzene	5 ppm
							1,2-Diphenylhydrazine	5 ppm
							1,3-Dichlorobenzene	5 ppm
							1,3-Dinitrobenzene	5 ppm
							1,4-Dichlorobenzene	5 ppm
							1,4-Dioxane	5 ppm
							1-Methylnaphthalene	5 ppm
							2,2'-oxybis[1-chloropropane]	5 ppm
							2,3,4,6-Tetrachlorophenol	5 ppm
							2,4,5-Trichlorophenol	5 ppm
							2,4,6-Trichlorophenol	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	5 ppm
							2,4-Dimethylphenol	5 ppm
							2,4-Dinitrophenol	20 ppm
							2,4-Dinitrotoluene	5 ppm
							2,6-Dichlorophenol	5 ppm
							2,6-Dinitrotoluene	5 ppm
							2-Chloronaphthalene	5 ppm
							2-Chlorophenol	5 ppm
							2-Methylnaphthalene	5 ppm
							2-Methylphenol	5 ppm
							2-Nitroaniline	5 ppm
							2-Nitrophenol	5 ppm
							3-Nitroaniline	5 ppm
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl phenyl ether	5 ppm
							4-Chloro-3-methylphenol	5 ppm
							4-Chloroaniline	5 ppm
							4-Chlorophenyl phenyl ether	5 ppm
							4-Methylphenol	5 ppm
							4-Nitroaniline	5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	5 ppm
							Acenaphthylene	5 ppm
							Acetophenone	5 ppm
							Aniline	5 ppm
							Anthracene	5 ppm
							Benzo[a]anthracene	5 ppm
							Benzo[a]pyrene	5 ppm
							Benzo[b]fluoranthene	5 ppm
							Benzo[g,h,i]perylene	5 ppm
							Benzo[k]fluoranthene	5 ppm
							Benzyl alcohol	5 ppm
							Bis(2-chloroethoxy)methane	5 ppm
							Bis(2-chloroethyl)ether	5 ppm
							Bis(2-ethylhexyl) phthalate	5 ppm
							Butylbenzylphthalate	5 ppm
							Carbazole	5 ppm
							Chrysene	5 ppm
							Di-n-butyl phthalate	5 ppm
							Di-n-octyl phthalate	5 ppm
							Dibenz(a,h)anthracene	5 ppm
							Dibenzofuran	5 ppm
							Diethylphthalate	5 ppm
							Dimethylphthalate	5 ppm
							Fluoranthene	5 ppm
							Fluorene	5 ppm
							Hexachlorobenzene	5 ppm
							Hexachlorobutadiene	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	5 ppm
							Hexachloroethane	5 ppm
							Indeno[1,2,3-cd]pyrene	5 ppm
							Isophorone	5 ppm
							N-Nitrosodi-n-propylamine	5 ppm
							N-Nitrosodimethylamine	5 ppm
							N-Nitrosodiphenylamine	4.25 ppm
							Naphthalene	5 ppm
							Nitrobenzene	5 ppm
							Pentachlorophenol	10 ppm
							Phenanthrene	5 ppm
							Phenol	5 ppm
							Pyrene	5 ppm
							Pyridine	10 ppm
							3,3'-Dichlorobenzidine	5 ppm
							Benzidine	15 ppm
							Alpha-Terpineol	5 ppm
							Dimethylformamide	5 ppm
							Octachlorostyrene	5 ppm
							Phenyl ether	5 ppm
					MSS_AB_24DNP_00007	20 uL	2,4-Dinitrophenol	20 ppm
					MSS_AB_46D2MP_00004	10 uL	4,6-Dinitro-2-methylphenol	15 ppm
					MSS_AB_4NP_00003	10 uL	4-Nitrophenol	15 ppm
					MSS_FV8270_IS_00005	40 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_00011	11/30/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00008	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00008	11/30/22		Restek, Lot A0178828		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00012	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23		Sigma- Aldrich, Lot LRAC8467		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24		Restek, Lot A0175669		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_AB_24DNP_00007	12/09/25		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00004	11/19/24		Absolute, Lot 111924		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00003	07/24/23		Absolute, Lot 072418		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_4_00022	11/30/22	07/18/22	MeCl2, Lot 222144	3 mL	MSS_BAS_WS_00006	112.5 uL	Atrazine	3.75 ppm
							Benzaldehyde	3.75 ppm
							Caprolactam	3.75 ppm
					MSS_FV8270_4_00024	750 uL	Benzidine	11.25 ppm
							1,3,5-Trinitrobenzene	3.75 ppm
							1,4-Dinitrobenzene	3.75 ppm
							1-Naphthylamine	3.75 ppm
							2-Acetylaminofluorene	3.75 ppm
							2-Naphthylamine	3.75 ppm
							2-Picoline	3.75 ppm
							2-Toluidine	3.75 ppm
							3,3'-Dimethylbenzidine	3.75 ppm
							4,4'-Methylene bis(2-chloroaniline)	3.75 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Aminobiphenyl	3.75 ppm
							4-Nitroquinoline-1-oxide	3.75 ppm
							Dibenz[a,h]acridine	3.75 ppm
							N-Nitro-o-toluidine	3.75 ppm
							N-Nitrosodi-n-butylamine	3.75 ppm
							N-Nitrosodiethylamine	3.75 ppm
							N-Nitrosomethylethylamine	3.75 ppm
							N-Nitrosomorpholine	3.75 ppm
							N-Nitrosopiperidine	3.75 ppm
							N-Nitrosopyrrolidine	3.75 ppm
							p-Dimethylamino azobenzene	3.75 ppm
							p-Phenylene diamine	3.75 ppm
							Pentachloronitrobenzene	3.75 ppm
							Phenacetin	3.75 ppm
							Pronamide	3.75 ppm
							Quinoline	3.75 ppm
							1,4-Naphthoquinone	3.75 ppm
							1-Chloronaphthalene	3.75 ppm
							7,12-Dimethylbenz(a)anthracene	3.75 ppm
							Chlorobenzilate	3.75 ppm
							Dinoseb	3.75 ppm
							Ethyl methanesulfonate	3.75 ppm
							Hexachloropropene	3.75 ppm
							Isodrin	3.75 ppm
							Isosafrole Peak 1	0.6 ppm
							Isosafrole Peak 2	3.15 ppm
							Methyl methanesulfonate	3.75 ppm
							Pentachlorobenzene	3.75 ppm
							3-Methylcholanthrene	3.75 ppm
							6-Methylchrysene	3.75 ppm
							cis-Diallate	2.775 ppm
							Dimethoate	3.75 ppm
							Disulfoton	3.75 ppm
							Ethyl Parathion	3.75 ppm
							Methyl parathion	3.75 ppm
							o,o',o''-Triethylphosphorothioate	3.75 ppm
							Phorate	3.75 ppm
							Safrole, Total	3.75 ppm
							Sulfotepp	3.75 ppm
							Thionazin	3.75 ppm
							trans-Diallate	0.975 ppm
							2,4,6-Tribromophenol (Surr)	7.5 ppm
							2-Fluorobiphenyl (Surr)	7.5 ppm
							2-Fluorophenol (Surr)	7.5 ppm
							Nitrobenzene-d5 (Surr)	7.5 ppm
							p-Terphenyl-d14 (Surr)	7.5 ppm
							Phenol-d5 (Surr)	7.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,j]acridine	3.75 ppm
							1,1'-Biphenyl	3.75 ppm
							1,2,4,5-Tetrachlorobenzene	3.75 ppm
							1,2,4-Trichlorobenzene	3.75 ppm
							1,2-Dichlorobenzene	3.75 ppm
							1,2-Diphenylhydrazine	3.75 ppm
							1,3-Dichlorobenzene	3.75 ppm
							1,3-Dinitrobenzene	3.75 ppm
							1,4-Dichlorobenzene	3.75 ppm
							1,4-Dioxane	3.75 ppm
							1-Methylnaphthalene	3.75 ppm
							2,2'-oxybis[1-chloropropane]	3.75 ppm
							2,3,4,6-Tetrachlorophenol	3.75 ppm
							2,4,5-Trichlorophenol	3.75 ppm
							2,4,6-Trichlorophenol	3.75 ppm
							2,4-Dichlorophenol	3.75 ppm
							2,4-Dimethylphenol	3.75 ppm
							2,4-Dinitrophenol	11.25 ppm
							2,4-Dinitrotoluene	3.75 ppm
							2,6-Dichlorophenol	3.75 ppm
							2,6-Dinitrotoluene	3.75 ppm
							2-Chloronaphthalene	3.75 ppm
							2-Chlorophenol	3.75 ppm
							2-Methylnaphthalene	3.75 ppm
							2-Methylphenol	3.75 ppm
							2-Nitroaniline	3.75 ppm
							2-Nitrophenol	3.75 ppm
							3-Nitroaniline	3.75 ppm
							4,6-Dinitro-2-methylphenol	7.5 ppm
							4-Bromophenyl phenyl ether	3.75 ppm
							4-Chloro-3-methylphenol	3.75 ppm
							4-Chloroaniline	3.75 ppm
							4-Chlorophenyl phenyl ether	3.75 ppm
							4-Methylphenol	3.75 ppm
							4-Nitroaniline	3.75 ppm
							4-Nitrophenol	7.5 ppm
							Acenaphthene	3.75 ppm
							Acenaphthylene	3.75 ppm
							Acetophenone	3.75 ppm
							Aniline	3.75 ppm
							Anthracene	3.75 ppm
							Benzo[a]anthracene	3.75 ppm
							Benzo[a]pyrene	3.75 ppm
							Benzo[b]fluoranthene	3.75 ppm
							Benzo[g,h,i]perylene	3.75 ppm
							Benzo[k]fluoranthene	3.75 ppm
							Benzyl alcohol	3.75 ppm
							Bis(2-chloroethoxy)methane	3.75 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	3.75 ppm
							Bis(2-ethylhexyl) phthalate	3.75 ppm
							Butylbenzylphthalate	3.75 ppm
							Carbazole	3.75 ppm
							Chrysene	3.75 ppm
							Di-n-butyl phthalate	3.75 ppm
							Di-n-octyl phthalate	3.75 ppm
							Dibenz(a,h)anthracene	3.75 ppm
							Dibenzofuran	3.75 ppm
							Diethylphthalate	3.75 ppm
							Dimethylphthalate	3.75 ppm
							Fluoranthene	3.75 ppm
							Fluorene	3.75 ppm
							Hexachlorobenzene	3.75 ppm
							Hexachlorobutadiene	3.75 ppm
							Hexachlorocyclopentadiene	3.75 ppm
							Hexachloroethane	3.75 ppm
							Indeno[1,2,3-cd]pyrene	3.75 ppm
							Isophorone	3.75 ppm
							N-Nitrosodi-n-propylamine	3.75 ppm
							N-Nitrosodimethylamine	3.75 ppm
							N-Nitrosodiphenylamine	3.1875 ppm
							Naphthalene	3.75 ppm
							Nitrobenzene	3.75 ppm
							Pentachlorophenol	7.5 ppm
							Phenanthrene	3.75 ppm
							Phenol	3.75 ppm
							Pyrene	3.75 ppm
							Pyridine	7.5 ppm
							3,3'-Dichlorobenzidine	3.75 ppm
							Alpha-Terpineol	3.75 ppm
							Dimethylformamide	3.75 ppm
							Octachlorostyrene	3.75 ppm
							Phenyl ether	3.75 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00006	11/30/22	05/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22	Restek, Lot A0172244			(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_4_00024	11/30/22	07/18/22	MeCl2, Lot 222144	2 mL	MSS_8270_APWS_00011	120 uL	Benzidine	45 ppm
							1,3,5-Trinitrobenzene	15 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dinitrobenzene	15 ppm
							1-Naphthylamine	15 ppm
							2-Acetylaminofluorene	15 ppm
							2-Naphthylamine	15 ppm
							2-Picoline	15 ppm
							2-Toluidine	15 ppm
							3,3'-Dimethylbenzidine	15 ppm
							4,4'-Methylene bis(2-chloroaniline)	15 ppm
							4-Aminobiphenyl	15 ppm
							4-Nitroquinoline-1-oxide	15 ppm
							Dibenz[a,h]acridine	15 ppm
							N-Nitro-o-toluidine	15 ppm
							N-Nitrosodi-n-butylamine	15 ppm
							N-Nitrosodiethylamine	15 ppm
							N-Nitrosomethylethylamine	15 ppm
							N-Nitrosomorpholine	15 ppm
							N-Nitrosopiperidine	15 ppm
							N-Nitrosopyrrolidine	15 ppm
							p-Dimethylamino azobenzene	15 ppm
							p-Phenylene diamine	15 ppm
							Pentachloronitrobenzene	15 ppm
							Phenacetin	15 ppm
							Pronamide	15 ppm
							Quinoline	15 ppm
							1,4-Naphthoquinone	15 ppm
							1-Chloronaphthalene	15 ppm
							7,12-Dimethylbenz(a)anthracene	15 ppm
							Chlorobenzilate	15 ppm
							Dinoseb	15 ppm
							Ethyl methanesulfonate	15 ppm
							Hexachloropropene	15 ppm
							Isodrin	15 ppm
							Isosafrole Peak 1	2.4 ppm
							Isosafrole Peak 2	12.6 ppm
							Methyl methanesulfonate	15 ppm
							Pentachlorobenzene	15 ppm
							3-Methylcholanthrene	15 ppm
							6-Methylchrysene	15 ppm
							cis-Diallate	11.1 ppm
							Dimethoate	15 ppm
							Disulfoton	15 ppm
							Ethyl Parathion	15 ppm
							Methyl parathion	15 ppm
							o,o',o''-Triethylphosphorothioate	15 ppm
							Phorate	15 ppm
							Safrole, Total	15 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sulfotepp	15 ppm
							Thionazin	15 ppm
							trans-Diallate	3.9 ppm
					MSS_8270_WS_00012	120 uL	2,4,6-Tribromophenol (Surr)	30 ppm
							2-Fluorobiphenyl (Surr)	30 ppm
							2-Fluorophenol (Surr)	30 ppm
							Nitrobenzene-d5 (Surr)	30 ppm
							p-Terphenyl-d14 (Surr)	30 ppm
							Phenol-d5 (Surr)	30 ppm
							Dibenz[a,j]acridine	15 ppm
							1,1'-Biphenyl	15 ppm
							1,2,4,5-Tetrachlorobenzene	15 ppm
							1,2,4-Trichlorobenzene	15 ppm
							1,2-Dichlorobenzene	15 ppm
							1,2-Diphenylhydrazine	15 ppm
							1,3-Dichlorobenzene	15 ppm
							1,3-Dinitrobenzene	15 ppm
							1,4-Dichlorobenzene	15 ppm
							1,4-Dioxane	15 ppm
							1-Methylnaphthalene	15 ppm
							2,2'-oxybis[1-chloropropane]	15 ppm
							2,3,4,6-Tetrachlorophenol	15 ppm
							2,4,5-Trichlorophenol	15 ppm
							2,4,6-Trichlorophenol	15 ppm
							2,4-Dichlorophenol	15 ppm
							2,4-Dimethylphenol	15 ppm
							2,4-Dinitrophenol	45 ppm
							2,4-Dinitrotoluene	15 ppm
							2,6-Dichlorophenol	15 ppm
							2,6-Dinitrotoluene	15 ppm
							2-Chloronaphthalene	15 ppm
							2-Chlorophenol	15 ppm
							2-Methylnaphthalene	15 ppm
							2-Methylphenol	15 ppm
							2-Nitroaniline	15 ppm
							2-Nitrophenol	15 ppm
							3-Nitroaniline	15 ppm
							4,6-Dinitro-2-methylphenol	30 ppm
							4-Bromophenyl phenyl ether	15 ppm
							4-Chloro-3-methylphenol	15 ppm
							4-Chloroaniline	15 ppm
							4-Chlorophenyl phenyl ether	15 ppm
							4-Methylphenol	15 ppm
							4-Nitroaniline	15 ppm
							4-Nitrophenol	30 ppm
							Acenaphthene	15 ppm
							Acenaphthylene	15 ppm
							Acetophenone	15 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	15 ppm
							Anthracene	15 ppm
							Benzo[a]anthracene	15 ppm
							Benzo[a]pyrene	15 ppm
							Benzo[b]fluoranthene	15 ppm
							Benzo[g,h,i]perylene	15 ppm
							Benzo[k]fluoranthene	15 ppm
							Benzyl alcohol	15 ppm
							Bis(2-chloroethoxy)methane	15 ppm
							Bis(2-chloroethyl)ether	15 ppm
							Bis(2-ethylhexyl) phthalate	15 ppm
							Butylbenzylphthalate	15 ppm
							Carbazole	15 ppm
							Chrysene	15 ppm
							Di-n-butyl phthalate	15 ppm
							Di-n-octyl phthalate	15 ppm
							Dibenz(a,h)anthracene	15 ppm
							Dibenzofuran	15 ppm
							Diethylphthalate	15 ppm
							Dimethylphthalate	15 ppm
							Fluoranthene	15 ppm
							Fluorene	15 ppm
							Hexachlorobenzene	15 ppm
							Hexachlorobutadiene	15 ppm
							Hexachlorocyclopentadiene	15 ppm
							Hexachloroethane	15 ppm
							Indeno[1,2,3-cd]pyrene	15 ppm
							Isophorone	15 ppm
							N-Nitrosodi-n-propylamine	15 ppm
							N-Nitrosodimethylamine	15 ppm
							N-Nitrosodiphenylamine	12.75 ppm
							Naphthalene	15 ppm
							Nitrobenzene	15 ppm
							Pentachlorophenol	30 ppm
							Phenanthrene	15 ppm
							Phenol	15 ppm
							Pyrene	15 ppm
							Pyridine	30 ppm
							3,3'-Dichlorobenzidine	15 ppm
							Benzidine	45 ppm
							Alpha-Terpineol	15 ppm
							Dimethylformamide	15 ppm
							Octachlorostyrene	15 ppm
							Phenyl ether	15 ppm
					MSS_AB_24DNP_00007	30 uL	2,4-Dinitrophenol	45 ppm
					MSS_FV8270_IS_00005	40 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_00011	11/30/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00008	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00008	11/30/22		Restek, Lot A0178828		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00012	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23	Sigma- Aldrich, Lot LRAC8467			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24	Restek, Lot A0175669			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23	Restek, Lot A0175066			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_AB_24DNP_00007	12/09/25		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_5_00031	11/30/22	07/18/22	MeCl2, Lot 222144	3 mL	MSS_BAS_WS_00006	225 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_FV8270_5_00030	750 uL	Benzidine	22.5 ppm
							1,3,5-Trinitrobenzene	7.5 ppm
							1,4-Dinitrobenzene	7.5 ppm
							1-Naphthylamine	7.5 ppm
							2-Acetylaminofluorene	7.5 ppm
							2-Naphthylamine	7.5 ppm
							2-Picoline	7.5 ppm
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitro-o-toluidine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm
							Pentachloronitrobenzene	7.5 ppm
							Phenacetin	7.5 ppm
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm
							1,4-Naphthoquinone	7.5 ppm
							1-Chloronaphthalene	7.5 ppm
							7,12-Dimethylbenz(a)anthracene	7.5 ppm
							Chlorobenzilate	7.5 ppm
							Dinoseb	7.5 ppm
							Ethyl methanesulfonate	7.5 ppm
							Hexachloropropene	7.5 ppm
							Isodrin	7.5 ppm
							Isosafrole Peak 1	1.2 ppm
							Isosafrole Peak 2	6.3 ppm
							Methyl methanesulfonate	7.5 ppm
							Pentachlorobenzene	7.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Methylcholanthrene	7.5 ppm
							6-Methylchrysene	7.5 ppm
							cis-Diallate	5.55 ppm
							Dimethoate	7.5 ppm
							Disulfoton	7.5 ppm
							Ethyl Parathion	7.5 ppm
							Methyl parathion	7.5 ppm
							o,o',o''-Triethylphosphorothioate	7.5 ppm
							Phorate	7.5 ppm
							Safrole, Total	7.5 ppm
							Sulfotepp	7.5 ppm
							Thionazin	7.5 ppm
							trans-Diallate	1.95 ppm
							2,4,6-Tribromophenol (Surr)	15 ppm
							2-Fluorobiphenyl (Surr)	15 ppm
							2-Fluorophenol (Surr)	15 ppm
							Nitrobenzene-d5 (Surr)	15 ppm
							p-Terphenyl-d14 (Surr)	15 ppm
							Phenol-d5 (Surr)	15 ppm
							Dibenz[a,j]acridine	7.5 ppm
							1,1'-Biphenyl	7.5 ppm
							1,2,4,5-Tetrachlorobenzene	7.5 ppm
							1,2,4-Trichlorobenzene	7.5 ppm
							1,2-Dichlorobenzene	7.5 ppm
							1,2-Diphenylhydrazine	7.5 ppm
							1,3-Dichlorobenzene	7.5 ppm
							1,3-Dinitrobenzene	7.5 ppm
							1,4-Dichlorobenzene	7.5 ppm
							1,4-Dioxane	7.5 ppm
							1-Methylnaphthalene	7.5 ppm
							2,2'-oxybis[1-chloropropane]	7.5 ppm
							2,3,4,6-Tetrachlorophenol	7.5 ppm
							2,4,5-Trichlorophenol	7.5 ppm
							2,4,6-Trichlorophenol	7.5 ppm
							2,4-Dichlorophenol	7.5 ppm
							2,4-Dimethylphenol	7.5 ppm
							2,4-Dinitrophenol	17.5 ppm
							2,4-Dinitrotoluene	7.5 ppm
							2,6-Dichlorophenol	7.5 ppm
							2,6-Dinitrotoluene	7.5 ppm
							2-Chloronaphthalene	7.5 ppm
							2-Chlorophenol	7.5 ppm
							2-Methylnaphthalene	7.5 ppm
							2-Methylphenol	7.5 ppm
							2-Nitroaniline	7.5 ppm
							2-Nitrophenol	7.5 ppm
							3-Nitroaniline	7.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl phenyl ether	7.5 ppm
							4-Chloro-3-methylphenol	7.5 ppm
							4-Chloroaniline	7.5 ppm
							4-Chlorophenyl phenyl ether	7.5 ppm
							4-Methylphenol	7.5 ppm
							4-Nitroaniline	7.5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	7.5 ppm
							Acenaphthylene	7.5 ppm
							Acetophenone	7.5 ppm
							Aniline	7.5 ppm
							Anthracene	7.5 ppm
							Benzo[a]anthracene	7.5 ppm
							Benzo[a]pyrene	7.5 ppm
							Benzo[b]fluoranthene	7.5 ppm
							Benzo[g,h,i]perylene	7.5 ppm
							Benzo[k]fluoranthene	7.5 ppm
							Benzyl alcohol	7.5 ppm
							Bis(2-chloroethoxy)methane	7.5 ppm
							Bis(2-chloroethyl)ether	7.5 ppm
							Bis(2-ethylhexyl) phthalate	7.5 ppm
							Butylbenzylphthalate	7.5 ppm
							Carbazole	7.5 ppm
							Chrysene	7.5 ppm
							Di-n-butyl phthalate	7.5 ppm
							Di-n-octyl phthalate	7.5 ppm
							Dibenz(a,h)anthracene	7.5 ppm
							Dibenzofuran	7.5 ppm
							Diethylphthalate	7.5 ppm
							Dimethylphthalate	7.5 ppm
							Fluoranthene	7.5 ppm
							Fluorene	7.5 ppm
							Hexachlorobenzene	7.5 ppm
							Hexachlorobutadiene	7.5 ppm
							Hexachlorocyclopentadiene	7.5 ppm
							Hexachloroethane	7.5 ppm
							Indeno[1,2,3-cd]pyrene	7.5 ppm
							Isophorone	7.5 ppm
							N-Nitrosodi-n-propylamine	7.5 ppm
							N-Nitrosodimethylamine	7.5 ppm
							N-Nitrosodiphenylamine	6.375 ppm
							Naphthalene	7.5 ppm
							Nitrobenzene	7.5 ppm
							Pentachlorophenol	15 ppm
							Phenanthrene	7.5 ppm
							Phenol	7.5 ppm
							Pyrene	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	15 ppm
							3,3'-Dichlorobenzidine	7.5 ppm
							Alpha-Terpineol	7.5 ppm
							Dimethylformamide	7.5 ppm
							Octachlorostyrene	7.5 ppm
							Phenyl ether	7.5 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00006	11/30/22	05/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_5_00030	11/30/22	07/18/22	MeCl2, Lot 222144	5 mL	MSS_8270_APWS_00011	600 uL	Benzidine	90 ppm
							1,3,5-Trinitrobenzene	30 ppm
							1,4-Dinitrobenzene	30 ppm
							1-Naphthylamine	30 ppm
							2-Acetylaminofluorene	30 ppm
							2-Naphthylamine	30 ppm
							2-Picoline	30 ppm
							2-Toluidine	30 ppm
							3,3'-Dimethylbenzidine	30 ppm
							4,4'-Methylene bis(2-chloroaniline)	30 ppm
							4-Aminobiphenyl	30 ppm
							4-Nitroquinoline-1-oxide	30 ppm
							Dibenz[a,h]acridine	30 ppm
							N-Nitro-o-toluidine	30 ppm
							N-Nitrosodi-n-butylamine	30 ppm
							N-Nitrosodiethylamine	30 ppm
							N-Nitrosomethylethylamine	30 ppm
							N-Nitrosomorpholine	30 ppm
							N-Nitrosopiperidine	30 ppm
							N-Nitrosopyrrolidine	30 ppm
							p-Dimethylamino azobenzene	30 ppm
							p-Phenylene diamine	30 ppm
							Pentachloronitrobenzene	30 ppm
							Phenacetin	30 ppm
							Pronamide	30 ppm
							Quinoline	30 ppm
							1,4-Naphthoquinone	30 ppm
							1-Chloronaphthalene	30 ppm
							7,12-Dimethylbenz(a)anthracene	30 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzilate	30 ppm
							Dinoseb	30 ppm
							Ethyl methanesulfonate	30 ppm
							Hexachloropropene	30 ppm
							Isodrin	30 ppm
							Isosafrole Peak 1	4.8 ppm
							Isosafrole Peak 2	25.2 ppm
							Methyl methanesulfonate	30 ppm
							Pentachlorobenzene	30 ppm
							3-Methylcholanthrene	30 ppm
							6-Methylchrysene	30 ppm
							cis-Diallate	22.2 ppm
							Dimethoate	30 ppm
							Disulfoton	30 ppm
							Ethyl Parathion	30 ppm
							Methyl parathion	30 ppm
							o,o',o''-Triethylphosphorothioate	30 ppm
							Phorate	30 ppm
							Safrole, Total	30 ppm
							Sulfotepp	30 ppm
							Thionazin	30 ppm
							trans-Diallate	7.8 ppm
					MSS_8270_WS_00012	600 uL	2,4,6-Tribromophenol (Surr)	60 ppm
							2-Fluorobiphenyl (Surr)	60 ppm
							2-Fluorophenol (Surr)	60 ppm
							Nitrobenzene-d5 (Surr)	60 ppm
							p-Terphenyl-d14 (Surr)	60 ppm
							Phenol-d5 (Surr)	60 ppm
							Dibenz[a,j]acridine	30 ppm
							1,1'-Biphenyl	30 ppm
							1,2,4,5-Tetrachlorobenzene	30 ppm
							1,2,4-Trichlorobenzene	30 ppm
							1,2-Dichlorobenzene	30 ppm
							1,2-Diphenylhydrazine	30 ppm
							1,3-Dichlorobenzene	30 ppm
							1,3-Dinitrobenzene	30 ppm
							1,4-Dichlorobenzene	30 ppm
							1,4-Dioxane	30 ppm
							1-Methylnaphthalene	30 ppm
							2,2'-oxybis[1-chloropropane]	30 ppm
							2,3,4,6-Tetrachlorophenol	30 ppm
							2,4,5-Trichlorophenol	30 ppm
							2,4,6-Trichlorophenol	30 ppm
							2,4-Dichlorophenol	30 ppm
							2,4-Dimethylphenol	30 ppm
							2,4-Dinitrophenol	70 ppm
							2,4-Dinitrotoluene	30 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	30 ppm
							2,6-Dinitrotoluene	30 ppm
							2-Chloronaphthalene	30 ppm
							2-Chlorophenol	30 ppm
							2-Methylnaphthalene	30 ppm
							2-Methylphenol	30 ppm
							2-Nitroaniline	30 ppm
							2-Nitrophenol	30 ppm
							3-Nitroaniline	30 ppm
							4,6-Dinitro-2-methylphenol	60 ppm
							4-Bromophenyl phenyl ether	30 ppm
							4-Chloro-3-methylphenol	30 ppm
							4-Chloroaniline	30 ppm
							4-Chlorophenyl phenyl ether	30 ppm
							4-Methylphenol	30 ppm
							4-Nitroaniline	30 ppm
							4-Nitrophenol	60 ppm
							Acenaphthene	30 ppm
							Acenaphthylene	30 ppm
							Acetophenone	30 ppm
							Aniline	30 ppm
							Anthracene	30 ppm
							Benzo[a]anthracene	30 ppm
							Benzo[a]pyrene	30 ppm
							Benzo[b]fluoranthene	30 ppm
							Benzo[g,h,i]perylene	30 ppm
							Benzo[k]fluoranthene	30 ppm
							Benzyl alcohol	30 ppm
							Bis(2-chloroethoxy)methane	30 ppm
							Bis(2-chloroethyl)ether	30 ppm
							Bis(2-ethylhexyl) phthalate	30 ppm
							Butylbenzylphthalate	30 ppm
							Carbazole	30 ppm
							Chrysene	30 ppm
							Di-n-butyl phthalate	30 ppm
							Di-n-octyl phthalate	30 ppm
							Dibenz(a,h)anthracene	30 ppm
							Dibenzofuran	30 ppm
							Diethylphthalate	30 ppm
							Dimethylphthalate	30 ppm
							Fluoranthene	30 ppm
							Fluorene	30 ppm
							Hexachlorobenzene	30 ppm
							Hexachlorobutadiene	30 ppm
							Hexachlorocyclopentadiene	30 ppm
							Hexachloroethane	30 ppm
							Indeno[1,2,3-cd]pyrene	30 ppm
							Isophorone	30 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	30 ppm
							N-Nitrosodimethylamine	30 ppm
							N-Nitrosodiphenylamine	25.5 ppm
							Naphthalene	30 ppm
							Nitrobenzene	30 ppm
							Pentachlorophenol	60 ppm
							Phenanthrene	30 ppm
							Phenol	30 ppm
							Pyrene	30 ppm
							Pyridine	60 ppm
							3,3'-Dichlorobenzidine	30 ppm
							Benzidine	90 ppm
							Alpha-Terpineol	30 ppm
							Dimethylformamide	30 ppm
							Octachlorostyrene	30 ppm
							Phenyl ether	30 ppm
					MSS_AB_24DNP_00007	50 uL	2,4-Dinitrophenol	70 ppm
					MSS_FV8270_IS_00005	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_00011	11/30/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00008	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00008	11/30/22		Restek, Lot A0178828		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00012	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23		Sigma- Aldrich, Lot LRAC8467		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24		Restek, Lot A0175669		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_AB_24DNP_00007	12/09/25		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00031	11/30/22	07/18/22	MeCl2, Lot 222144	5 mL	MSS_BAS_WS_00006	625 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_FV8270_6_00040	1250 uL	Benzidine	37.5 ppm
							1,3,5-Trinitrobenzene	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							1-Naphthylamine	12.5 ppm
							2-Acetylaminofluorene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							2-Picoline	12.5 ppm
							2-Toluidine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							4-Aminobiphenyl	12.5 ppm
							4-Nitroquinoline-1-oxide	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitro-o-toluidine	12.5 ppm
							N-Nitrosodi-n-butylamine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomethylethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopiperidine	12.5 ppm
							N-Nitrosopyrrolidine	12.5 ppm
							p-Dimethylamino azobenzene	12.5 ppm
							p-Phenylene diamine	12.5 ppm
							Pentachloronitrobenzene	12.5 ppm
							Phenacetin	12.5 ppm
							Pronamide	12.5 ppm
							Quinoline	12.5 ppm
							1,4-Naphthoquinone	12.5 ppm
							1-Chloronaphthalene	12.5 ppm
							7,12-Dimethylbenz(a)anthracene	12.5 ppm
							Chlorobenzilate	12.5 ppm
							Dinoseb	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Isosafrole Peak 1	2 ppm
							Isosafrole Peak 2	10.5 ppm
							Methyl methanesulfonate	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							3-Methylcholanthrene	12.5 ppm
							6-Methylchrysene	12.5 ppm
							cis-Diallate	9.25 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Methyl parathion	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
							Thionazin	12.5 ppm
							trans-Diallate	3.25 ppm
							2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,2,4-Trichlorobenzene	12.5 ppm
							1,2-Dichlorobenzene	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							1,3-Dichlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	12.5 ppm
							1,4-Dioxane	12.5 ppm
							1-Methylnaphthalene	12.5 ppm
							2,2'-oxybis[1-chloropropane]	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Methylphenol	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl phenyl ether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl phenyl ether	12.5 ppm
							4-Methylphenol	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Aniline	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							Benzyl alcohol	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butylbenzylphthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	12.5 ppm
							Diethylphthalate	12.5 ppm
							Dimethylphthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Hexachlorobutadiene	12.5 ppm
							Hexachlorocyclopentadiene	12.5 ppm
							Hexachloroethane	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							Isophorone	12.5 ppm
							N-Nitrosodi-n-propylamine	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							N-Nitrosodiphenylamine	10.625 ppm
							Naphthalene	12.5 ppm
							Nitrobenzene	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm
							3,3'-Dichlorobenzidine	12.5 ppm
							Alpha-Terpineol	12.5 ppm
							Dimethylformamide	12.5 ppm
							Octachlorostyrene	12.5 ppm
							Phenyl ether	12.5 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00006	11/30/22	05/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22	Restek, Lot A0172244			(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_6_00040	11/30/22	07/18/22	MeCl2, Lot 222144	5 mL	MSS_8270_APWS_00011	1000 uL	Benzidine	150 ppm
							1,3,5-Trinitrobenzene	50 ppm
							1,4-Dinitrobenzene	50 ppm
							1-Naphthylamine	50 ppm
							2-Acetylaminofluorene	50 ppm
							2-Naphthylamine	50 ppm
							2-Picoline	50 ppm
							2-Toluidine	50 ppm
							3,3'-Dimethylbenzidine	50 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	50 ppm
							4-Aminobiphenyl	50 ppm
							4-Nitroquinoline-1-oxide	50 ppm
							Dibenz[a,h]acridine	50 ppm
							N-Nitro-o-toluidine	50 ppm
							N-Nitrosodi-n-butylamine	50 ppm
							N-Nitrosodiethylamine	50 ppm
							N-Nitrosomethylethylamine	50 ppm
							N-Nitrosomorpholine	50 ppm
							N-Nitrosopiperidine	50 ppm
							N-Nitrosopyrrolidine	50 ppm
							p-Dimethylamino azobenzene	50 ppm
							p-Phenylene diamine	50 ppm
							Pentachloronitrobenzene	50 ppm
							Phenacetin	50 ppm
							Pronamide	50 ppm
							Quinoline	50 ppm
							1,4-Naphthoquinone	50 ppm
							1-Chloronaphthalene	50 ppm
							7,12-Dimethylbenz(a)anthracene	50 ppm
							Chlorobenzilate	50 ppm
							Dinoseb	50 ppm
							Ethyl methanesulfonate	50 ppm
							Hexachloropropene	50 ppm
							Isodrin	50 ppm
							Isosafrole Peak 1	8 ppm
							Isosafrole Peak 2	42 ppm
							Methyl methanesulfonate	50 ppm
							Pentachlorobenzene	50 ppm
							3-Methylcholanthrene	50 ppm
							6-Methylchrysene	50 ppm
							cis-Diallate	37 ppm
							Dimethoate	50 ppm
							Disulfoton	50 ppm
							Ethyl Parathion	50 ppm
							Methyl parathion	50 ppm
							o,o',o''-Triethylphosphorothioate	50 ppm
							Phorate	50 ppm
							Safrole, Total	50 ppm
							Sulfotepp	50 ppm
							Thionazin	50 ppm
							trans-Diallate	13 ppm
					MSS_8270_WS_00012	1000 uL	2,4,6-Tribromophenol (Surr)	100 ppm
							2-Fluorobiphenyl (Surr)	100 ppm
							2-Fluorophenol (Surr)	100 ppm
							Nitrobenzene-d5 (Surr)	100 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Terphenyl-d14 (Surr)	100 ppm
							Phenol-d5 (Surr)	100 ppm
							Dibenz[a,j]acridine	50 ppm
							1,1'-Biphenyl	50 ppm
							1,2,4,5-Tetrachlorobenzene	50 ppm
							1,2,4-Trichlorobenzene	50 ppm
							1,2-Dichlorobenzene	50 ppm
							1,2-Diphenylhydrazine	50 ppm
							1,3-Dichlorobenzene	50 ppm
							1,3-Dinitrobenzene	50 ppm
							1,4-Dichlorobenzene	50 ppm
							1,4-Dioxane	50 ppm
							1-Methylnaphthalene	50 ppm
							2,2'-oxybis[1-chloropropane]	50 ppm
							2,3,4,6-Tetrachlorophenol	50 ppm
							2,4,5-Trichlorophenol	50 ppm
							2,4,6-Trichlorophenol	50 ppm
							2,4-Dichlorophenol	50 ppm
							2,4-Dimethylphenol	50 ppm
							2,4-Dinitrophenol	100 ppm
							2,4-Dinitrotoluene	50 ppm
							2,6-Dichlorophenol	50 ppm
							2,6-Dinitrotoluene	50 ppm
							2-Chloronaphthalene	50 ppm
							2-Chlorophenol	50 ppm
							2-Methylnaphthalene	50 ppm
							2-Methylphenol	50 ppm
							2-Nitroaniline	50 ppm
							2-Nitrophenol	50 ppm
							3-Nitroaniline	50 ppm
							4,6-Dinitro-2-methylphenol	100 ppm
							4-Bromophenyl phenyl ether	50 ppm
							4-Chloro-3-methylphenol	50 ppm
							4-Chloroaniline	50 ppm
							4-Chlorophenyl phenyl ether	50 ppm
							4-Methylphenol	50 ppm
							4-Nitroaniline	50 ppm
							4-Nitrophenol	100 ppm
							Acenaphthene	50 ppm
							Acenaphthylene	50 ppm
							Acetophenone	50 ppm
							Aniline	50 ppm
							Anthracene	50 ppm
							Benzo[a]anthracene	50 ppm
							Benzo[a]pyrene	50 ppm
							Benzo[b]fluoranthene	50 ppm
							Benzo[g,h,i]perylene	50 ppm
							Benzo[k]fluoranthene	50 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	50 ppm
							Bis(2-chloroethoxy)methane	50 ppm
							Bis(2-chloroethyl)ether	50 ppm
							Bis(2-ethylhexyl) phthalate	50 ppm
							Butylbenzylphthalate	50 ppm
							Carbazole	50 ppm
							Chrysene	50 ppm
							Di-n-butyl phthalate	50 ppm
							Di-n-octyl phthalate	50 ppm
							Dibenz(a,h)anthracene	50 ppm
							Dibenzofuran	50 ppm
							Diethylphthalate	50 ppm
							Dimethylphthalate	50 ppm
							Fluoranthene	50 ppm
							Fluorene	50 ppm
							Hexachlorobenzene	50 ppm
							Hexachlorobutadiene	50 ppm
							Hexachlorocyclopentadiene	50 ppm
							Hexachloroethane	50 ppm
							Indeno[1,2,3-cd]pyrene	50 ppm
							Isophorone	50 ppm
							N-Nitrosodi-n-propylamine	50 ppm
							N-Nitrosodimethylamine	50 ppm
							N-Nitrosodiphenylamine	42.5 ppm
							Naphthalene	50 ppm
							Nitrobenzene	50 ppm
							Pentachlorophenol	100 ppm
							Phenanthrene	50 ppm
							Phenol	50 ppm
							Pyrene	50 ppm
							Pyridine	100 ppm
							3,3'-Dichlorobenzidine	50 ppm
							Benzidine	150 ppm
							Alpha-Terpineol	50 ppm
							Dimethylformamide	50 ppm
							Octachlorostyrene	50 ppm
							Phenyl ether	50 ppm
					MSS_FV8270_IS_00005	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_00011	11/30/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00008	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00008	11/30/22		Restek, Lot A0178828		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00012	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23		Sigma- Aldrich, Lot LRAC8467		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24		Restek, Lot A0175669		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_7_00024	11/30/22	07/18/22	MeCl2, Lot 222144	1 mL	MSS_BAS_WS_00006	200 uL	Atrazine	20 ppm
							Benzaldehyde	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	20 ppm
					MSS_FV8270_7_00026	250 uL	Benzidine	60 ppm
							1,3,5-Trinitrobenzene	20 ppm
							1,4-Dinitrobenzene	20 ppm
							1-Naphthylamine	20 ppm
							2-Acetylaminofluorene	20 ppm
							2-Naphthylamine	20 ppm
							2-Picoline	20 ppm
							2-Toluidine	20 ppm
							3,3'-Dimethylbenzidine	20 ppm
							4,4'-Methylene bis(2-chloroaniline)	20 ppm
							4-Aminobiphenyl	20 ppm
							4-Nitroquinoline-1-oxide	20 ppm
							Dibenz[a,h]acridine	20 ppm
							N-Nitro-o-toluidine	20 ppm
							N-Nitrosodi-n-butylamine	20 ppm
							N-Nitrosodiethylamine	20 ppm
							N-Nitrosomethylethylamine	20 ppm
							N-Nitrosomorpholine	20 ppm
							N-Nitrosopiperidine	20 ppm
							N-Nitrosopyrrolidine	20 ppm
							p-Dimethylamino azobenzene	20 ppm
							p-Phenylene diamine	20 ppm
							Pentachloronitrobenzene	20 ppm
							Phenacetin	20 ppm
							Pronamide	20 ppm
							Quinoline	20 ppm
							1,4-Naphthoquinone	20 ppm
							1-Chloronaphthalene	20 ppm
							7,12-Dimethylbenz(a)anthracene	20 ppm
							Chlorobenzilate	20 ppm
							Dinoseb	20 ppm
							Ethyl methanesulfonate	20 ppm
							Hexachloropropene	20 ppm
							Isodrin	20 ppm
							Isosafrole Peak 1	3.2 ppm
							Isosafrole Peak 2	16.8 ppm
							Methyl methanesulfonate	20 ppm
							Pentachlorobenzene	20 ppm
							3-Methylcholanthrene	20 ppm
							6-Methylchrysene	20 ppm
							cis-Diallate	14.8 ppm
							Dimethoate	20 ppm
							Disulfoton	20 ppm
							Ethyl Parathion	20 ppm
							Methyl parathion	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	20 ppm
							Phorate	20 ppm
							Safrole, Total	20 ppm
							Sulfotepp	20 ppm
							Thionazin	20 ppm
							trans-Diallate	5.2 ppm
							2,4,6-Tribromophenol (Surr)	40 ppm
							2-Fluorobiphenyl (Surr)	40 ppm
							2-Fluorophenol (Surr)	40 ppm
							Nitrobenzene-d5 (Surr)	40 ppm
							p-Terphenyl-d14 (Surr)	40 ppm
							Phenol-d5 (Surr)	40 ppm
							Dibenz[a,j]acridine	20 ppm
							1,1'-Biphenyl	20 ppm
							1,2,4,5-Tetrachlorobenzene	20 ppm
							1,2,4-Trichlorobenzene	20 ppm
							1,2-Dichlorobenzene	20 ppm
							1,2-Diphenylhydrazine	20 ppm
							1,3-Dichlorobenzene	20 ppm
							1,3-Dinitrobenzene	20 ppm
							1,4-Dichlorobenzene	20 ppm
							1,4-Dioxane	20 ppm
							1-Methylnaphthalene	20 ppm
							2,2'-oxybis[1-chloropropane]	20 ppm
							2,3,4,6-Tetrachlorophenol	20 ppm
							2,4,5-Trichlorophenol	20 ppm
							2,4,6-Trichlorophenol	20 ppm
							2,4-Dichlorophenol	20 ppm
							2,4-Dimethylphenol	20 ppm
							2,4-Dinitrophenol	40 ppm
							2,4-Dinitrotoluene	20 ppm
							2,6-Dichlorophenol	20 ppm
							2,6-Dinitrotoluene	20 ppm
							2-Chloronaphthalene	20 ppm
							2-Chlorophenol	20 ppm
							2-Methylnaphthalene	20 ppm
							2-Methylphenol	20 ppm
							2-Nitroaniline	20 ppm
							2-Nitrophenol	20 ppm
							3-Nitroaniline	20 ppm
							4,6-Dinitro-2-methylphenol	40 ppm
							4-Bromophenyl phenyl ether	20 ppm
							4-Chloro-3-methylphenol	20 ppm
							4-Chloroaniline	20 ppm
							4-Chlorophenyl phenyl ether	20 ppm
							4-Methylphenol	20 ppm
							4-Nitroaniline	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	40 ppm
							Acenaphthene	20 ppm
							Acenaphthylene	20 ppm
							Acetophenone	20 ppm
							Aniline	20 ppm
							Anthracene	20 ppm
							Benzo[a]anthracene	20 ppm
							Benzo[a]pyrene	20 ppm
							Benzo[b]fluoranthene	20 ppm
							Benzo[g,h,i]perylene	20 ppm
							Benzo[k]fluoranthene	20 ppm
							Benzyl alcohol	20 ppm
							Bis(2-chloroethoxy)methane	20 ppm
							Bis(2-chloroethyl)ether	20 ppm
							Bis(2-ethylhexyl) phthalate	20 ppm
							Butylbenzylphthalate	20 ppm
							Carbazole	20 ppm
							Chrysene	20 ppm
							Di-n-butyl phthalate	20 ppm
							Di-n-octyl phthalate	20 ppm
							Dibenz(a,h)anthracene	20 ppm
							Dibenzofuran	20 ppm
							Diethylphthalate	20 ppm
							Dimethylphthalate	20 ppm
							Fluoranthene	20 ppm
							Fluorene	20 ppm
							Hexachlorobenzene	20 ppm
							Hexachlorobutadiene	20 ppm
							Hexachlorocyclopentadiene	20 ppm
							Hexachloroethane	20 ppm
							Indeno[1,2,3-cd]pyrene	20 ppm
							Isophorone	20 ppm
							N-Nitrosodi-n-propylamine	20 ppm
							N-Nitrosodimethylamine	20 ppm
							N-Nitrosodiphenylamine	17 ppm
							Naphthalene	20 ppm
							Nitrobenzene	20 ppm
							Pentachlorophenol	40 ppm
							Phenanthrene	20 ppm
							Phenol	20 ppm
							Pyrene	20 ppm
							Pyridine	40 ppm
							3,3'-Dichlorobenzidine	20 ppm
							Alpha-Terpineol	20 ppm
							Dimethylformamide	20 ppm
							Octachlorostyrene	20 ppm
							Phenyl ether	20 ppm
							1,4-Dichlorobenzene-d4	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00006	11/30/22	05/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22	Restek, Lot A0172244			(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_7_00026	11/30/22	07/18/22	MeCl2, Lot 222144	2 mL	MSS_8270_APWS_00011	640 uL	Benzidine	240 ppm
							1,3,5-Trinitrobenzene	80 ppm
							1,4-Dinitrobenzene	80 ppm
							1-Naphthylamine	80 ppm
							2-Acetylaminofluorene	80 ppm
							2-Naphthylamine	80 ppm
							2-Picoline	80 ppm
							2-Toluidine	80 ppm
							3,3'-Dimethylbenzidine	80 ppm
							4,4'-Methylene bis(2-chloroaniline)	80 ppm
							4-Aminobiphenyl	80 ppm
							4-Nitroquinoline-1-oxide	80 ppm
							Dibenz[a,h]acridine	80 ppm
							N-Nitro-o-toluidine	80 ppm
							N-Nitrosodi-n-butylamine	80 ppm
							N-Nitrosodiethylamine	80 ppm
							N-Nitrosomethylethylamine	80 ppm
							N-Nitrosomorpholine	80 ppm
							N-Nitrosopiperidine	80 ppm
							N-Nitrosopyrrolidine	80 ppm
							p-Dimethylamino azobenzene	80 ppm
							p-Phenylene diamine	80 ppm
							Pentachloronitrobenzene	80 ppm
							Phenacetin	80 ppm
							Pronamide	80 ppm
							Quinoline	80 ppm
							1,4-Naphthoquinone	80 ppm
							1-Chloronaphthalene	80 ppm
							7,12-Dimethylbenz(a)anthracene	80 ppm
							Chlorobenzilate	80 ppm
							Dinoseb	80 ppm
							Ethyl methanesulfonate	80 ppm
							Hexachloropropene	80 ppm
							Isodrin	80 ppm
							Isosafrole Peak 1	12.8 ppm
							Isosafrole Peak 2	67.2 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methanesulfonate	80 ppm
							Pentachlorobenzene	80 ppm
							3-Methylcholanthrene	80 ppm
							6-Methylchrysene	80 ppm
							cis-Diallate	59.2 ppm
							Dimethoate	80 ppm
							Disulfoton	80 ppm
							Ethyl Parathion	80 ppm
							Methyl parathion	80 ppm
							o,o',o''-Triethylphosphorothioate	80 ppm
							Phorate	80 ppm
							Safrole, Total	80 ppm
							Sulfotepp	80 ppm
							Thionazin	80 ppm
							trans-Diallate	20.8 ppm
					MSS_8270_WS_00012	640 uL	2,4,6-Tribromophenol (Surr)	160 ppm
							2-Fluorobiphenyl (Surr)	160 ppm
							2-Fluorophenol (Surr)	160 ppm
							Nitrobenzene-d5 (Surr)	160 ppm
							p-Terphenyl-d14 (Surr)	160 ppm
							Phenol-d5 (Surr)	160 ppm
							Dibenz[a,j]acridine	80 ppm
							1,1'-Biphenyl	80 ppm
							1,2,4,5-Tetrachlorobenzene	80 ppm
							1,2,4-Trichlorobenzene	80 ppm
							1,2-Dichlorobenzene	80 ppm
							1,2-Diphenylhydrazine	80 ppm
							1,3-Dichlorobenzene	80 ppm
							1,3-Dinitrobenzene	80 ppm
							1,4-Dichlorobenzene	80 ppm
							1,4-Dioxane	80 ppm
							1-Methylnaphthalene	80 ppm
							2,2'-oxybis[1-chloropropane]	80 ppm
							2,3,4,6-Tetrachlorophenol	80 ppm
							2,4,5-Trichlorophenol	80 ppm
							2,4,6-Trichlorophenol	80 ppm
							2,4-Dichlorophenol	80 ppm
							2,4-Dimethylphenol	80 ppm
							2,4-Dinitrophenol	160 ppm
							2,4-Dinitrotoluene	80 ppm
							2,6-Dichlorophenol	80 ppm
							2,6-Dinitrotoluene	80 ppm
							2-Chloronaphthalene	80 ppm
							2-Chlorophenol	80 ppm
							2-Methylnaphthalene	80 ppm
							2-Methylphenol	80 ppm
							2-Nitroaniline	80 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	80 ppm
							3-Nitroaniline	80 ppm
							4,6-Dinitro-2-methylphenol	160 ppm
							4-Bromophenyl phenyl ether	80 ppm
							4-Chloro-3-methylphenol	80 ppm
							4-Chloroaniline	80 ppm
							4-Chlorophenyl phenyl ether	80 ppm
							4-Methylphenol	80 ppm
							4-Nitroaniline	80 ppm
							4-Nitrophenol	160 ppm
							Acenaphthene	80 ppm
							Acenaphthylene	80 ppm
							Acetophenone	80 ppm
							Aniline	80 ppm
							Anthracene	80 ppm
							Benzo[a]anthracene	80 ppm
							Benzo[a]pyrene	80 ppm
							Benzo[b]fluoranthene	80 ppm
							Benzo[g,h,i]perylene	80 ppm
							Benzo[k]fluoranthene	80 ppm
							Benzyl alcohol	80 ppm
							Bis(2-chloroethoxy)methane	80 ppm
							Bis(2-chloroethyl)ether	80 ppm
							Bis(2-ethylhexyl) phthalate	80 ppm
							Butylbenzylphthalate	80 ppm
							Carbazole	80 ppm
							Chrysene	80 ppm
							Di-n-butyl phthalate	80 ppm
							Di-n-octyl phthalate	80 ppm
							Dibenz(a,h)anthracene	80 ppm
							Dibenzofuran	80 ppm
							Diethylphthalate	80 ppm
							Dimethylphthalate	80 ppm
							Fluoranthene	80 ppm
							Fluorene	80 ppm
							Hexachlorobenzene	80 ppm
							Hexachlorobutadiene	80 ppm
							Hexachlorocyclopentadiene	80 ppm
							Hexachloroethane	80 ppm
							Indeno[1,2,3-cd]pyrene	80 ppm
							Isophorone	80 ppm
							N-Nitrosodi-n-propylamine	80 ppm
							N-Nitrosodimethylamine	80 ppm
							N-Nitrosodiphenylamine	68 ppm
							Naphthalene	80 ppm
							Nitrobenzene	80 ppm
							Pentachlorophenol	160 ppm
							Phenanthrene	80 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	80 ppm
							Pyrene	80 ppm
							Pyridine	160 ppm
							3,3'-Dichlorobenzidine	80 ppm
							Benzidine	240 ppm
							Alpha-Terpineol	80 ppm
							Dimethylformamide	80 ppm
							Octachlorostyrene	80 ppm
							Phenyl ether	80 ppm
					MSS_FV8270_IS_00005	40 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_00011	11/30/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00008	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00008	11/30/22		Restek, Lot A0178828		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00012	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23		Sigma- Aldrich, Lot LRAC8467		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24		Restek, Lot A0175669		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_8_00025	11/30/22	07/18/22	MeCl2, Lot 222144	1 mL	MSS_BAS_WS_00006	300 uL	Atrazine	30 ppm
							Benzaldehyde	30 ppm
							Caprolactam	30 ppm
					MSS_FV8270_8_00025	250 uL	Benzidine	90 ppm
							1,3,5-Trinitrobenzene	30 ppm
							1,4-Dinitrobenzene	30 ppm
							1-Naphthylamine	30 ppm
							2-Acetylaminofluorene	30 ppm
							2-Naphthylamine	30 ppm
							2-Picoline	30 ppm
							2-Toluidine	30 ppm
							3,3'-Dimethylbenzidine	30 ppm
							4,4'-Methylene bis(2-chloroaniline)	30 ppm
							4-Aminobiphenyl	30 ppm
							4-Nitroquinoline-1-oxide	30 ppm
							Dibenz[a,h]acridine	30 ppm
							N-Nitro-o-toluidine	30 ppm
							N-Nitrosodi-n-butylamine	30 ppm
							N-Nitrosodiethylamine	30 ppm
							N-Nitrosomethylethylamine	30 ppm
							N-Nitrosomorpholine	30 ppm
							N-Nitrosopiperidine	30 ppm
							N-Nitrosopyrrolidine	30 ppm
							p-Dimethylamino azobenzene	30 ppm
							p-Phenylene diamine	30 ppm
							Pentachloronitrobenzene	30 ppm
							Phenacetin	30 ppm
							Pronamide	30 ppm
							Quinoline	30 ppm
							1,4-Naphthoquinone	30 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	30 ppm
							7,12-Dimethylbenz(a)anthracene	30 ppm
							Chlorobenzilate	30 ppm
							Dinoseb	30 ppm
							Ethyl methanesulfonate	30 ppm
							Hexachloropropene	30 ppm
							Isodrin	30 ppm
							Isosafrole Peak 1	4.8 ppm
							Isosafrole Peak 2	25.2 ppm
							Methyl methanesulfonate	30 ppm
							Pentachlorobenzene	30 ppm
							3-Methylcholanthrene	30 ppm
							6-Methylchrysene	30 ppm
							cis-Diallate	22.2 ppm
							Dimethoate	30 ppm
							Disulfoton	30 ppm
							Ethyl Parathion	30 ppm
							Methyl parathion	30 ppm
							o,o',o''-Triethylphosphorothioate	30 ppm
							Phorate	30 ppm
							Safrole, Total	30 ppm
							Sulfotepp	30 ppm
							Thionazin	30 ppm
							trans-Diallate	7.8 ppm
							2,4,6-Tribromophenol (Surr)	60 ppm
							2-Fluorobiphenyl (Surr)	60 ppm
							2-Fluorophenol (Surr)	60 ppm
							Nitrobenzene-d5 (Surr)	60 ppm
							p-Terphenyl-d14 (Surr)	60 ppm
							Phenol-d5 (Surr)	60 ppm
							Dibenz[a,j]acridine	30 ppm
							1,1'-Biphenyl	30 ppm
							1,2,4,5-Tetrachlorobenzene	30 ppm
							1,2,4-Trichlorobenzene	30 ppm
							1,2-Dichlorobenzene	30 ppm
							1,2-Diphenylhydrazine	30 ppm
							1,3-Dichlorobenzene	30 ppm
							1,3-Dinitrobenzene	30 ppm
							1,4-Dichlorobenzene	30 ppm
							1,4-Dioxane	30 ppm
							1-Methylnaphthalene	30 ppm
							2,2'-oxybis[1-chloropropane]	30 ppm
							2,3,4,6-Tetrachlorophenol	30 ppm
							2,4,5-Trichlorophenol	30 ppm
							2,4,6-Trichlorophenol	30 ppm
							2,4-Dichlorophenol	30 ppm
							2,4-Dimethylphenol	30 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	60 ppm
							2,4-Dinitrotoluene	30 ppm
							2,6-Dichlorophenol	30 ppm
							2,6-Dinitrotoluene	30 ppm
							2-Chloronaphthalene	30 ppm
							2-Chlorophenol	30 ppm
							2-Methylnaphthalene	30 ppm
							2-Methylphenol	30 ppm
							2-Nitroaniline	30 ppm
							2-Nitrophenol	30 ppm
							3-Nitroaniline	30 ppm
							4,6-Dinitro-2-methylphenol	60 ppm
							4-Bromophenyl phenyl ether	30 ppm
							4-Chloro-3-methylphenol	30 ppm
							4-Chloroaniline	30 ppm
							4-Chlorophenyl phenyl ether	30 ppm
							4-Methylphenol	30 ppm
							4-Nitroaniline	30 ppm
							4-Nitrophenol	60 ppm
							Acenaphthene	30 ppm
							Acenaphthylene	30 ppm
							Acetophenone	30 ppm
							Aniline	30 ppm
							Anthracene	30 ppm
							Benzo[a]anthracene	30 ppm
							Benzo[a]pyrene	30 ppm
							Benzo[b]fluoranthene	30 ppm
							Benzo[g,h,i]perylene	30 ppm
							Benzo[k]fluoranthene	30 ppm
							Benzyl alcohol	30 ppm
							Bis(2-chloroethoxy)methane	30 ppm
							Bis(2-chloroethyl)ether	30 ppm
							Bis(2-ethylhexyl) phthalate	30 ppm
							Butylbenzylphthalate	30 ppm
							Carbazole	30 ppm
							Chrysene	30 ppm
							Di-n-butyl phthalate	30 ppm
							Di-n-octyl phthalate	30 ppm
							Dibenz(a,h)anthracene	30 ppm
							Dibenzofuran	30 ppm
							Diethylphthalate	30 ppm
							Dimethylphthalate	30 ppm
							Fluoranthene	30 ppm
							Fluorene	30 ppm
							Hexachlorobenzene	30 ppm
							Hexachlorobutadiene	30 ppm
							Hexachlorocyclopentadiene	30 ppm
							Hexachloroethane	30 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	30 ppm
							Isophorone	30 ppm
							N-Nitrosodi-n-propylamine	30 ppm
							N-Nitrosodimethylamine	30 ppm
							N-Nitrosodiphenylamine	25.5 ppm
							Naphthalene	30 ppm
							Nitrobenzene	30 ppm
							Pentachlorophenol	60 ppm
							Phenanthrene	30 ppm
							Phenol	30 ppm
							Pyrene	30 ppm
							Pyridine	60 ppm
							3,3'-Dichlorobenzidine	30 ppm
							Alpha-Terpineol	30 ppm
							Dimethylformamide	30 ppm
							Octachlorostyrene	30 ppm
							Phenyl ether	30 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00006	11/30/22	05/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_8_00025	11/30/22	07/18/22	MeCl2, Lot 222144	2 mL	MSS_8270_APWS_00011	960 uL	Benzidine	360 ppm
							1,3,5-Trinitrobenzene	120 ppm
							1,4-Dinitrobenzene	120 ppm
							1-Naphthylamine	120 ppm
							2-Acetylaminofluorene	120 ppm
							2-Naphthylamine	120 ppm
							2-Picoline	120 ppm
							2-Toluidine	120 ppm
							3,3'-Dimethylbenzidine	120 ppm
							4,4'-Methylene bis(2-chloroaniline)	120 ppm
							4-Aminobiphenyl	120 ppm
							4-Nitroquinoline-1-oxide	120 ppm
							Dibenz[a,h]acridine	120 ppm
							N-Nitro-o-toluidine	120 ppm
							N-Nitrosodi-n-butylamine	120 ppm
							N-Nitrosodiethylamine	120 ppm
							N-Nitrosomethylethylamine	120 ppm
							N-Nitrosomorpholine	120 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopiperidine	120 ppm
							N-Nitrosopyrrolidine	120 ppm
							p-Dimethylamino azobenzene	120 ppm
							p-Phenylene diamine	120 ppm
							Pentachloronitrobenzene	120 ppm
							Phenacetin	120 ppm
							Pronamide	120 ppm
							Quinoline	120 ppm
							1,4-Naphthoquinone	120 ppm
							1-Chloronaphthalene	120 ppm
							7,12-Dimethylbenz(a)anthracene	120 ppm
							Chlorobenzilate	120 ppm
							Dinoseb	120 ppm
							Ethyl methanesulfonate	120 ppm
							Hexachloropropene	120 ppm
							Isodrin	120 ppm
							Isosafrole Peak 1	19.2 ppm
							Isosafrole Peak 2	100.8 ppm
							Methyl methanesulfonate	120 ppm
							Pentachlorobenzene	120 ppm
							3-Methylcholanthrene	120 ppm
							6-Methylchrysene	120 ppm
							cis-Diallate	88.8 ppm
							Dimethoate	120 ppm
							Disulfoton	120 ppm
							Ethyl Parathion	120 ppm
							Methyl parathion	120 ppm
							o,o',o''-Triethylphosphorothioate	120 ppm
							Phorate	120 ppm
							Safrole, Total	120 ppm
							Sulfotepp	120 ppm
							Thionazin	120 ppm
							trans-Diallate	31.2 ppm
					MSS_8270_WS_00012	960 uL	2,4,6-Tribromophenol (Surr)	240 ppm
							2-Fluorobiphenyl (Surr)	240 ppm
							2-Fluorophenol (Surr)	240 ppm
							Nitrobenzene-d5 (Surr)	240 ppm
							p-Terphenyl-d14 (Surr)	240 ppm
							Phenol-d5 (Surr)	240 ppm
							Dibenz[a,j]acridine	120 ppm
							1,1'-Biphenyl	120 ppm
							1,2,4,5-Tetrachlorobenzene	120 ppm
							1,2,4-Trichlorobenzene	120 ppm
							1,2-Dichlorobenzene	120 ppm
							1,2-Diphenylhydrazine	120 ppm
							1,3-Dichlorobenzene	120 ppm
							1,3-Dinitrobenzene	120 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	120 ppm
							1,4-Dioxane	120 ppm
							1-Methylnaphthalene	120 ppm
							2,2'-oxybis[1-chloropropane]	120 ppm
							2,3,4,6-Tetrachlorophenol	120 ppm
							2,4,5-Trichlorophenol	120 ppm
							2,4,6-Trichlorophenol	120 ppm
							2,4-Dichlorophenol	120 ppm
							2,4-Dimethylphenol	120 ppm
							2,4-Dinitrophenol	240 ppm
							2,4-Dinitrotoluene	120 ppm
							2,6-Dichlorophenol	120 ppm
							2,6-Dinitrotoluene	120 ppm
							2-Chloronaphthalene	120 ppm
							2-Chlorophenol	120 ppm
							2-Methylnaphthalene	120 ppm
							2-Methylphenol	120 ppm
							2-Nitroaniline	120 ppm
							2-Nitrophenol	120 ppm
							3-Nitroaniline	120 ppm
							4,6-Dinitro-2-methylphenol	240 ppm
							4-Bromophenyl phenyl ether	120 ppm
							4-Chloro-3-methylphenol	120 ppm
							4-Chloroaniline	120 ppm
							4-Chlorophenyl phenyl ether	120 ppm
							4-Methylphenol	120 ppm
							4-Nitroaniline	120 ppm
							4-Nitrophenol	240 ppm
							Acenaphthene	120 ppm
							Acenaphthylene	120 ppm
							Acetophenone	120 ppm
							Aniline	120 ppm
							Anthracene	120 ppm
							Benzo[a]anthracene	120 ppm
							Benzo[a]pyrene	120 ppm
							Benzo[b]fluoranthene	120 ppm
							Benzo[g,h,i]perylene	120 ppm
							Benzo[k]fluoranthene	120 ppm
							Benzyl alcohol	120 ppm
							Bis(2-chloroethoxy)methane	120 ppm
							Bis(2-chloroethyl)ether	120 ppm
							Bis(2-ethylhexyl) phthalate	120 ppm
							Butylbenzylphthalate	120 ppm
							Carbazole	120 ppm
							Chrysene	120 ppm
							Di-n-butyl phthalate	120 ppm
							Di-n-octyl phthalate	120 ppm
							Dibenz(a,h)anthracene	120 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	120 ppm
							Diethylphthalate	120 ppm
							Dimethylphthalate	120 ppm
							Fluoranthene	120 ppm
							Fluorene	120 ppm
							Hexachlorobenzene	120 ppm
							Hexachlorobutadiene	120 ppm
							Hexachlorocyclopentadiene	120 ppm
							Hexachloroethane	120 ppm
							Indeno[1,2,3-cd]pyrene	120 ppm
							Isophorone	120 ppm
							N-Nitrosodi-n-propylamine	120 ppm
							N-Nitrosodimethylamine	120 ppm
							N-Nitrosodiphenylamine	102 ppm
							Naphthalene	120 ppm
							Nitrobenzene	120 ppm
							Pentachlorophenol	240 ppm
							Phenanthrene	120 ppm
							Phenol	120 ppm
							Pyrene	120 ppm
							Pyridine	240 ppm
							3,3'-Dichlorobenzidine	120 ppm
							Benzidine	360 ppm
							Alpha-Terpineol	120 ppm
							Dimethylformamide	120 ppm
							Octachlorostyrene	120 ppm
							Phenyl ether	120 ppm
					MSS_FV8270_IS_00005	40 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_00011	11/30/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00008	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00008	11/30/22		Restek, Lot A0178828		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00012	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23	Sigma- Aldrich, Lot LRAC8467			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24	Restek, Lot A0175669			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23	Restek, Lot A0175066			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_IS_00022	11/30/23	02/23/21	MeCl2, Lot 206284	25 mL	MSS_FV8270_IS_00005	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
.MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00016	07/31/22	04/06/22	MeCl2, Lot 214959	3 mL	MSS_FV8270ICV_00016	750 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FV8270ICV_00016	07/31/22	04/05/22	MeCl2, Lot 214959	5 mL	MSS_FV8270_IS_00005	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00016	07/31/22	04/06/22	MeCl2, Lot 214959	3 mL	MSS_FV8270ICV_00016	750 uL	2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2-Chlorophenol	12.5 ppm
							Carbazole	12.5 ppm
							Phenol	12.5 ppm
.MSS_FV8270ICV_00016	07/31/22	04/05/22	MeCl2, Lot 214959	5 mL	MS_RES_ICV1_00002	250 uL	2,4-Dimethylphenol	50 ppm
							2,4-Dinitrophenol	100 ppm
							2-Chlorophenol	50 ppm
							Carbazole	50 ppm
							Phenol	50 ppm
..MS_RES_ICV1_00002	09/30/22		Restek, Lot A0169665		(Purchased Reagent)		2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2-Chlorophenol	1000 ug/mL
							Carbazole	1000 ug/mL
							Phenol	1000 ug/mL
MSS_RVBAS_ICV_00010	09/30/22	05/02/22	MeCl2, Lot 214960	2 mL	MSS_FVICV_BAS_00006	500 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FVICV_BAS_00006	09/30/22	05/02/22	MeCl2, Lot 214960	5 mL	MSS_FV8270_IS_00005	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVDFTPP_00009							4,4'-DDD	
							4,4'-DDE	
							Tentatively Identified Compound	
							Total PAH	
					MSS_AB_DFTPP_00013	625 uL	4,4'-DDT	12.5 ppm
							Benzidine_T	12.5 ppm
							DFTPP	12.5 ppm
							Pentachlorophenol_T	12.5 ppm
.MSS_AB_DFTPP_00013	06/30/22		Absolute, Lot 112519		(Purchased Reagent)		4,4'-DDT	500 ug/mL
							Benzidine_T	500 ug/mL
							DFTPP	500 ug/mL
							Pentachlorophenol_T	500 ug/mL
MSS_RVDFTPP_00011							4,4'-DDD	
							4,4'-DDE	
							Aramite, Total	
							Diallate	
							Isosafrole	
							m&p-Methylphenol	
							Tentatively Identified Compound	
							Total Cresols	
							Total PAH	
					MSS_AB_DFTPP_00015	650 uL	4,4'-DDT	13 ppm
							Benzidine_T	13 ppm
							DFTPP	13 ppm
							Pentachlorophenol_T	13 ppm
.MSS_AB_DFTPP_00015	05/24/24		Absolute, Lot 052421		(Purchased Reagent)		4,4'-DDT	500 ug/mL
							Benzidine_T	500 ug/mL
							DFTPP	500 ug/mL
							Pentachlorophenol_T	500 ug/mL
MSS_rvICV_HCP_00002	08/14/22	02/14/22	MeCl2, Lot 212644	2 mL	MSS_FVICV_HCP_00008	500 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FVICV_HCP_00008	08/14/22	02/14/22	MeCl2, Lot 212644	2 mL	MSS_FV8270_IS_00005	40 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	20 ppm
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVSIM_1_00016	06/04/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_PHTH_WS1_00011	5 uL	Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butylbenzylphthalate	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Diethylphthalate	0.25 ppm
							Dimethylphthalate	0.25 ppm
					MSS_RVSIM_IS_00027	20 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	2 uL	1,4-Dioxane	0.01 ppm
							Bis(2-chloroethyl)ether	0.01 ppm
							Hexachlorobenzene	0.01 ppm
							N-Nitrosodimethylamine	0.01 ppm
							N-Nitrosodiphenylamine	0.01 ppm
							1-Methylnaphthalene	0.01 ppm
							2-Methylnaphthalene	0.01 ppm
							Acenaphthene	0.01 ppm
							Acenaphthylene	0.01 ppm
							Anthracene	0.01 ppm
							Benzo[a]anthracene	0.01 ppm
							Benzo[a]pyrene	0.01 ppm
							Benzo[b]fluoranthene	0.01 ppm
							Benzo[e]pyrene	0.01 ppm
							Benzo[g,h,i]perylene	0.01 ppm
							Benzo[k]fluoranthene	0.01 ppm
							Chrysene	0.01 ppm
							Dibenz(a,h)anthracene	0.01 ppm
							Dibenzofuran	0.01 ppm
							Fluoranthene	0.01 ppm
							Fluorene	0.01 ppm
							Indeno[1,2,3-cd]pyrene	0.01 ppm
							Naphthalene	0.01 ppm
							Perylene	0.01 ppm
							Phenanthrene	0.01 ppm
							Pyrene	0.01 ppm
							Quinoline	0.01 ppm
							1-Methylnaphthalene-d10 (Surr)	0.01 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo(a)pyrene-d12 (Surr)	0.01 ppm
							Fluoranthene-d10 (Surr)	0.01 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23		Absolute, Lot 102720		(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_1_00018	10/26/22	07/28/22	MeCl2, Lot 222593	2 mL	MSS_PHTH_WS1_00011	2 uL	Bis(2-ethylhexyl) phthalate	0.1 ppm
							Butylbenzylphthalate	0.1 ppm
							Di-n-butyl phthalate	0.1 ppm
							Di-n-octyl phthalate	0.1 ppm
							Diethylphthalate	0.1 ppm
							Dimethylphthalate	0.1 ppm
					MSS_RVSIM_IS_00029	20 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00014	2 uL	1,4-Dioxane	0.01 ppm
							Bis(2-chloroethyl)ether	0.01 ppm
							Hexachlorobenzene	0.01 ppm
							N-Nitrosodimethylamine	0.01 ppm
							N-Nitrosodiphenylamine	0.01 ppm
							1-Methylnaphthalene	0.01 ppm
							2-Methylnaphthalene	0.01 ppm
							Acenaphthene	0.01 ppm
							Acenaphthylene	0.01 ppm
							Anthracene	0.01 ppm
							Benzo[a]anthracene	0.01 ppm
							Benzo[a]pyrene	0.01 ppm
							Benzo[b]fluoranthene	0.01 ppm
							Benzo[e]pyrene	0.01 ppm
							Benzo[g,h,i]perylene	0.01 ppm
							Benzo[k]fluoranthene	0.01 ppm
							Chrysene	0.01 ppm
							Dibenz(a,h)anthracene	0.01 ppm
							Dibenzofuran	0.01 ppm
							Fluoranthene	0.01 ppm
							Fluorene	0.01 ppm
							Indeno[1,2,3-cd]pyrene	0.01 ppm
							Naphthalene	0.01 ppm
							Perylene	0.01 ppm
							Phenanthrene	0.01 ppm
							Pyrene	0.01 ppm
							Quinoline	0.01 ppm
							1-Methylnaphthalene-d10 (Surr)	0.01 ppm
							Benzo(a)pyrene-d12 (Surr)	0.01 ppm
							Fluoranthene-d10 (Surr)	0.01 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23	Absolute, Lot 102720			(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00029	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00014	12/13/22	06/13/22	MeCl2, Lot 222145	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00003	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00009	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00007	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00003	03/23/23		Absolute, Lot 032318		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00009	06/23/26		Absolute, Lot 062321		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00007	06/18/23		Absolute, Lot 061820		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_2_00017	06/04/22	04/26/22	MeCl2, Lot 219045	1 mL	MSS_PHTH_WS1_00011	5 uL	Bis(2-ethylhexyl) phthalate	0.5 ppm
							Butylbenzylphthalate	0.5 ppm
							Di-n-butyl phthalate	0.5 ppm
							Di-n-octyl phthalate	0.5 ppm
							Diethylphthalate	0.5 ppm
							Dimethylphthalate	0.5 ppm
					MSS_RVSIM_IS_00027	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	5 uL	1,4-Dioxane	0.05 ppm
							Bis(2-chloroethyl)ether	0.05 ppm
							Hexachlorobenzene	0.05 ppm
							N-Nitrosodimethylamine	0.05 ppm
							N-Nitrosodiphenylamine	0.05 ppm
							1-Methylnaphthalene	0.05 ppm
							2-Methylnaphthalene	0.05 ppm
							Acenaphthene	0.05 ppm
							Acenaphthylene	0.05 ppm
							Anthracene	0.05 ppm
							Benzo[a]anthracene	0.05 ppm
							Benzo[a]pyrene	0.05 ppm
							Benzo[b]fluoranthene	0.05 ppm
							Benzo[e]pyrene	0.05 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	0.05 ppm
							Benzo[k]fluoranthene	0.05 ppm
							Chrysene	0.05 ppm
							Dibenz(a,h)anthracene	0.05 ppm
							Dibenzofuran	0.05 ppm
							Fluoranthene	0.05 ppm
							Fluorene	0.05 ppm
							Indeno[1,2,3-cd]pyrene	0.05 ppm
							Naphthalene	0.05 ppm
							Perylene	0.05 ppm
							Phenanthrene	0.05 ppm
							Pyrene	0.05 ppm
							Quinoline	0.05 ppm
							1-Methylnaphthalene-d10 (Surr)	0.05 ppm
							Benzo(a)pyrene-d12 (Surr)	0.05 ppm
							Fluoranthene-d10 (Surr)	0.05 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23	Absolute, Lot 102720			(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27	Restek, Lot A0170322			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_2_00018	10/26/22	06/13/22	MeCl2, Lot 222145	1 mL	MSS_PHTH_WS1_00011	5 uL	Bis(2-ethylhexyl) phthalate	0.5 ppm
							Butylbenzylphthalate	0.5 ppm
							Di-n-butyl phthalate	0.5 ppm
							Di-n-octyl phthalate	0.5 ppm
							Diethylphthalate	0.5 ppm
							Dimethylphthalate	0.5 ppm
					MSS_RVSIM_IS_00029	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00014	5 uL	1,4-Dioxane	0.05 ppm
							Bis(2-chloroethyl)ether	0.05 ppm
							Hexachlorobenzene	0.05 ppm
							N-Nitrosodimethylamine	0.05 ppm
							N-Nitrosodiphenylamine	0.05 ppm
							1-Methylnaphthalene	0.05 ppm
							2-Methylnaphthalene	0.05 ppm
							Acenaphthene	0.05 ppm
							Acenaphthylene	0.05 ppm
							Anthracene	0.05 ppm
							Benzo[a]anthracene	0.05 ppm
							Benzo[a]pyrene	0.05 ppm
							Benzo[b]fluoranthene	0.05 ppm
							Benzo[e]pyrene	0.05 ppm
							Benzo[g,h,i]perylene	0.05 ppm
							Benzo[k]fluoranthene	0.05 ppm
							Chrysene	0.05 ppm
							Dibenz(a,h)anthracene	0.05 ppm
							Dibenzofuran	0.05 ppm
							Fluoranthene	0.05 ppm
							Fluorene	0.05 ppm
							Indeno[1,2,3-cd]pyrene	0.05 ppm
							Naphthalene	0.05 ppm
							Perylene	0.05 ppm
							Phenanthrene	0.05 ppm
							Pyrene	0.05 ppm
							Quinoline	0.05 ppm
							1-Methylnaphthalene-d10 (Surr)	0.05 ppm
							Benzo(a)pyrene-d12 (Surr)	0.05 ppm
							Fluoranthene-d10 (Surr)	0.05 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23		Absolute, Lot 102720		(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00029	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00014	12/13/22	06/13/22	MeCl2, Lot 222145	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00003	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00009	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	10 ppm
					MSS_AB_QUIN_00007	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00003	03/23/23		Absolute, Lot 032318		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00009	06/23/26		Absolute, Lot 062321		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00007	06/18/23		Absolute, Lot 061820		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_3_00015	06/04/22	04/26/22	MeCl2, Lot 219045	1 mL	MSS_PHTH_WS1_00011	10 uL	Bis(2-ethylhexyl) phthalate	1 ppm
							Butylbenzylphthalate	1 ppm
							Di-n-butyl phthalate	1 ppm
							Di-n-octyl phthalate	1 ppm
							Diethylphthalate	1 ppm
							Dimethylphthalate	1 ppm
					MSS_RVSIM_IS_00027	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSS_RVSIM_WS1_00011	10 uL	1,4-Dioxane	0.1 ppm
							Bis(2-chloroethyl)ether	0.1 ppm
							Hexachlorobenzene	0.1 ppm
							N-Nitrosodimethylamine	0.1 ppm
							N-Nitrosodiphenylamine	0.1 ppm
							1-Methylnaphthalene	0.1 ppm
							2-Methylnaphthalene	0.1 ppm
							Acenaphthene	0.1 ppm
							Acenaphthylene	0.1 ppm
							Anthracene	0.1 ppm
							Benzo[a]anthracene	0.1 ppm
							Benzo[a]pyrene	0.1 ppm
							Benzo[b]fluoranthene	0.1 ppm
							Benzo[e]pyrene	0.1 ppm
							Benzo[g,h,i]perylene	0.1 ppm
							Benzo[k]fluoranthene	0.1 ppm
							Chrysene	0.1 ppm
							Dibenz(a,h)anthracene	0.1 ppm
							Dibenzofuran	0.1 ppm
							Fluoranthene	0.1 ppm
							Fluorene	0.1 ppm
							Indeno[1,2,3-cd]pyrene	0.1 ppm
							Naphthalene	0.1 ppm
							Perylene	0.1 ppm
							Phenanthrene	0.1 ppm
							Pyrene	0.1 ppm
							Quinoline	0.1 ppm
							1-Methylnaphthalene-d10 (Surr)	0.1 ppm
							Benzo(a)pyrene-d12 (Surr)	0.1 ppm
							Fluoranthene-d10 (Surr)	0.1 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23	Absolute, Lot 102720			(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_3_00017	10/26/22	06/13/22	MeCl2, Lot 222145	1 mL	MSS_PHTH_WS1_00011	10 uL	Bis(2-ethylhexyl) phthalate	1 ppm
							Butylbenzylphthalate	1 ppm
							Di-n-butyl phthalate	1 ppm
							Di-n-octyl phthalate	1 ppm
							Diethylphthalate	1 ppm
							Dimethylphthalate	1 ppm
					MSS_RVSIM_IS_00029	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00014	10 uL	1,4-Dioxane	0.1 ppm
							Bis(2-chloroethyl)ether	0.1 ppm
							Hexachlorobenzene	0.1 ppm
							N-Nitrosodimethylamine	0.1 ppm
							N-Nitrosodiphenylamine	0.1 ppm
							1-Methylnaphthalene	0.1 ppm
							2-Methylnaphthalene	0.1 ppm
							Acenaphthene	0.1 ppm
							Acenaphthylene	0.1 ppm
							Anthracene	0.1 ppm
							Benzo[a]anthracene	0.1 ppm
							Benzo[a]pyrene	0.1 ppm
							Benzo[b]fluoranthene	0.1 ppm
							Benzo[e]pyrene	0.1 ppm
							Benzo[g,h,i]perylene	0.1 ppm
							Benzo[k]fluoranthene	0.1 ppm
							Chrysene	0.1 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	0.1 ppm
							Dibenzofuran	0.1 ppm
							Fluoranthene	0.1 ppm
							Fluorene	0.1 ppm
							Indeno[1,2,3-cd]pyrene	0.1 ppm
							Naphthalene	0.1 ppm
							Perylene	0.1 ppm
							Phenanthrene	0.1 ppm
							Pyrene	0.1 ppm
							Quinoline	0.1 ppm
							1-Methylnaphthalene-d10 (Surr)	0.1 ppm
							Benzo(a)pyrene-d12 (Surr)	0.1 ppm
							Fluoranthene-d10 (Surr)	0.1 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23		Absolute, Lot 102720		(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00029	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00014	12/13/22	06/13/22	MeCl2, Lot 222145	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00003	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00009	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00007	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00003	03/23/23		Absolute, Lot 032318		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00009	06/23/26		Absolute, Lot 062321		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00007	06/18/23		Absolute, Lot 061820		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_4_00019	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_PHTH_WS1_00010	125 uL	Bis(2-ethylhexyl) phthalate	2.5 ppm
							Butylbenzylphthalate	2.5 ppm
							Di-n-butyl phthalate	2.5 ppm
							Di-n-octyl phthalate	2.5 ppm
							Diethylphthalate	2.5 ppm
							Dimethylphthalate	2.5 ppm
					MSS_RVSIM_IS_00024	50 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	250 uL	1,4-Dioxane	0.5 ppm
							Bis(2-chloroethyl)ether	0.5 ppm
							Hexachlorobenzene	0.5 ppm
							N-Nitrosodimethylamine	0.5 ppm
							N-Nitrosodiphenylamine	0.5 ppm
							1-Methylnaphthalene	0.5 ppm
							2-Methylnaphthalene	0.5 ppm
							Acenaphthene	0.5 ppm
							Acenaphthylene	0.5 ppm
							Anthracene	0.5 ppm
							Benzo[a]anthracene	0.5 ppm
							Benzo[a]pyrene	0.5 ppm
							Benzo[b]fluoranthene	0.5 ppm
							Benzo[e]pyrene	0.5 ppm
							Benzo[g,h,i]perylene	0.5 ppm
							Benzo[k]fluoranthene	0.5 ppm
							Chrysene	0.5 ppm
							Dibenz(a,h)anthracene	0.5 ppm
							Dibenzofuran	0.5 ppm
							Fluoranthene	0.5 ppm
							Fluorene	0.5 ppm
							Indeno[1,2,3-cd]pyrene	0.5 ppm
							Naphthalene	0.5 ppm
							Perylene	0.5 ppm
							Phenanthrene	0.5 ppm
							Pyrene	0.5 ppm
							Quinoline	0.5 ppm
							1-Methylnaphthalene-d10 (Surr)	0.5 ppm
							Benzo(a)pyrene-d12 (Surr)	0.5 ppm
							Fluoranthene-d10 (Surr)	0.5 ppm
.MSS_PHTH_WS1_00010	06/16/22	12/16/21	MeCl2, Lot 216834	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23		Absolute, Lot 102720		(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00024	06/14/22	12/14/21	MeCl2, Lot 216834	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_4_00024	10/26/22	06/13/22	MeCl2, Lot 222145	5 mL	MSS_PHTH_WS1_00011	125 uL	Bis(2-ethylhexyl) phthalate	2.5 ppm
							Butylbenzylphthalate	2.5 ppm
							Di-n-butyl phthalate	2.5 ppm
							Di-n-octyl phthalate	2.5 ppm
							Diethylphthalate	2.5 ppm
							Dimethylphthalate	2.5 ppm
					MSS_RVSIM_IS_00029	50 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00014	250 uL	1,4-Dioxane	0.5 ppm
							Bis(2-chloroethyl)ether	0.5 ppm
							Hexachlorobenzene	0.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	0.5 ppm
							N-Nitrosodiphenylamine	0.5 ppm
							1-Methylnaphthalene	0.5 ppm
							2-Methylnaphthalene	0.5 ppm
							Acenaphthene	0.5 ppm
							Acenaphthylene	0.5 ppm
							Anthracene	0.5 ppm
							Benzo[a]anthracene	0.5 ppm
							Benzo[a]pyrene	0.5 ppm
							Benzo[b]fluoranthene	0.5 ppm
							Benzo[e]pyrene	0.5 ppm
							Benzo[g,h,i]perylene	0.5 ppm
							Benzo[k]fluoranthene	0.5 ppm
							Chrysene	0.5 ppm
							Dibenz(a,h)anthracene	0.5 ppm
							Dibenzofuran	0.5 ppm
							Fluoranthene	0.5 ppm
							Fluorene	0.5 ppm
							Indeno[1,2,3-cd]pyrene	0.5 ppm
							Naphthalene	0.5 ppm
							Perylene	0.5 ppm
							Phenanthrene	0.5 ppm
							Pyrene	0.5 ppm
							Quinoline	0.5 ppm
							1-Methylnaphthalene-d10 (Surr)	0.5 ppm
							Benzo(a)pyrene-d12 (Surr)	0.5 ppm
							Fluoranthene-d10 (Surr)	0.5 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23		Absolute, Lot 102720		(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00029	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00014	12/13/22	06/13/22	MeCl2, Lot 222145	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00003	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00009	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00007	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00003	03/23/23		Absolute, Lot 032318		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00009	06/23/26		Absolute, Lot 062321		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00007	06/18/23		Absolute, Lot 061820		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_5_00016	06/04/22	04/26/22	MeCl2, Lot 219045	1 mL	MSS_PHTH_WS1_00011	50 uL	Bis(2-ethylhexyl) phthalate	5 ppm
							Butylbenzylphthalate	5 ppm
							Di-n-butyl phthalate	5 ppm
							Di-n-octyl phthalate	5 ppm
							Diethylphthalate	5 ppm
							Dimethylphthalate	5 ppm
					MSS_RVSIM_IS_00027	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	100 uL	1,4-Dioxane	1 ppm
							Bis(2-chloroethyl)ether	1 ppm
							Hexachlorobenzene	1 ppm
							N-Nitrosodimethylamine	1 ppm
							N-Nitrosodiphenylamine	1 ppm
							1-Methylnaphthalene	1 ppm
							2-Methylnaphthalene	1 ppm
							Acenaphthene	1 ppm
							Acenaphthylene	1 ppm
							Anthracene	1 ppm
							Benzo[a]anthracene	1 ppm
							Benzo[a]pyrene	1 ppm
							Benzo[b]fluoranthene	1 ppm
							Benzo[e]pyrene	1 ppm
							Benzo[g,h,i]perylene	1 ppm
							Benzo[k]fluoranthene	1 ppm
							Chrysene	1 ppm
							Dibenz(a,h)anthracene	1 ppm
							Dibenzofuran	1 ppm
							Fluoranthene	1 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1 ppm
							Indeno[1,2,3-cd]pyrene	1 ppm
							Naphthalene	1 ppm
							Perylene	1 ppm
							Phenanthrene	1 ppm
							Pyrene	1 ppm
							Quinoline	1 ppm
							1-Methylnaphthalene-d10 (Surr)	1 ppm
							Benzo(a)pyrene-d12 (Surr)	1 ppm
							Fluoranthene-d10 (Surr)	1 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23	Absolute, Lot 102720			(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27	Restek, Lot A0170322			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_5_00018	10/26/22	06/13/22	MeCl2, Lot 222145	1 mL	MSS_PHTH_WS1_00011	50 uL	Bis(2-ethylhexyl) phthalate	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butylbenzylphthalate	5 ppm
							Di-n-butyl phthalate	5 ppm
							Di-n-octyl phthalate	5 ppm
							Diethylphthalate	5 ppm
							Dimethylphthalate	5 ppm
					MSS_RVSIM_IS_00029	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00014	100 uL	1,4-Dioxane	1 ppm
							Bis(2-chloroethyl)ether	1 ppm
							Hexachlorobenzene	1 ppm
							N-Nitrosodimethylamine	1 ppm
							N-Nitrosodiphenylamine	1 ppm
							1-Methylnaphthalene	1 ppm
							2-Methylnaphthalene	1 ppm
							Acenaphthene	1 ppm
							Acenaphthylene	1 ppm
							Anthracene	1 ppm
							Benzo[a]anthracene	1 ppm
							Benzo[a]pyrene	1 ppm
							Benzo[b]fluoranthene	1 ppm
							Benzo[e]pyrene	1 ppm
							Benzo[g,h,i]perylene	1 ppm
							Benzo[k]fluoranthene	1 ppm
							Chrysene	1 ppm
							Dibenz(a,h)anthracene	1 ppm
							Dibenzofuran	1 ppm
							Fluoranthene	1 ppm
							Fluorene	1 ppm
							Indeno[1,2,3-cd]pyrene	1 ppm
							Naphthalene	1 ppm
							Perylene	1 ppm
							Phenanthrene	1 ppm
							Pyrene	1 ppm
							Quinoline	1 ppm
							1-Methylnaphthalene-d10 (Surr)	1 ppm
							Benzo(a)pyrene-d12 (Surr)	1 ppm
							Fluoranthene-d10 (Surr)	1 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23		Absolute, Lot 102720		(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00029	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00014	12/13/22	06/13/22	MeCl2, Lot 222145	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00003	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00009	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00007	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_AB_B2CEE_00003	03/23/23		Absolute, Lot 032318		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00009	06/23/26		Absolute, Lot 062321		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00007	06/18/23		Absolute, Lot 061820		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_6_00014	06/04/22	04/26/22	MeCl2, Lot 219045	1 mL	MSS_PHTH_WS1_00011	100 uL	Bis(2-ethylhexyl) phthalate	10 ppm
							Butylbenzylphthalate	10 ppm
							Di-n-butyl phthalate	10 ppm
							Di-n-octyl phthalate	10 ppm
							Diethylphthalate	10 ppm
							Dimethylphthalate	10 ppm
					MSS_RVSIM_IS_00027	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	250 uL	1,4-Dioxane	2.5 ppm
							Bis(2-chloroethyl)ether	2.5 ppm
							Hexachlorobenzene	2.5 ppm
							N-Nitrosodimethylamine	2.5 ppm
							N-Nitrosodiphenylamine	2.5 ppm
							1-Methylnaphthalene	2.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	2.5 ppm
							Acenaphthene	2.5 ppm
							Acenaphthylene	2.5 ppm
							Anthracene	2.5 ppm
							Benzo[a]anthracene	2.5 ppm
							Benzo[a]pyrene	2.5 ppm
							Benzo[b]fluoranthene	2.5 ppm
							Benzo[e]pyrene	2.5 ppm
							Benzo[g,h,i]perylene	2.5 ppm
							Benzo[k]fluoranthene	2.5 ppm
							Chrysene	2.5 ppm
							Dibenz(a,h)anthracene	2.5 ppm
							Dibenzofuran	2.5 ppm
							Fluoranthene	2.5 ppm
							Fluorene	2.5 ppm
							Indeno[1,2,3-cd]pyrene	2.5 ppm
							Naphthalene	2.5 ppm
							Perylene	2.5 ppm
							Phenanthrene	2.5 ppm
							Pyrene	2.5 ppm
							Quinoline	2.5 ppm
							1-Methylnaphthalene-d10 (Surr)	2.5 ppm
							Benzo(a)pyrene-d12 (Surr)	2.5 ppm
							Fluoranthene-d10 (Surr)	2.5 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23	Absolute, Lot 102720			(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27	Restek, Lot A0170322			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_6_00015	10/26/22	06/13/22	MeCl2, Lot 222145	1 mL	MSS_PHTH_WS1_00011	100 uL	Bis(2-ethylhexyl) phthalate	10 ppm
							Butylbenzylphthalate	10 ppm
							Di-n-butyl phthalate	10 ppm
							Di-n-octyl phthalate	10 ppm
							Diethylphthalate	10 ppm
							Dimethylphthalate	10 ppm
					MSS_RVSIM_IS_00029	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00014	250 uL	1,4-Dioxane	2.5 ppm
							Bis(2-chloroethyl)ether	2.5 ppm
							Hexachlorobenzene	2.5 ppm
							N-Nitrosodimethylamine	2.5 ppm
							N-Nitrosodiphenylamine	2.5 ppm
							1-Methylnaphthalene	2.5 ppm
							2-Methylnaphthalene	2.5 ppm
							Acenaphthene	2.5 ppm
							Acenaphthylene	2.5 ppm
							Anthracene	2.5 ppm
							Benzo[a]anthracene	2.5 ppm
							Benzo[a]pyrene	2.5 ppm
							Benzo[b]fluoranthene	2.5 ppm
							Benzo[e]pyrene	2.5 ppm
							Benzo[g,h,i]perylene	2.5 ppm
							Benzo[k]fluoranthene	2.5 ppm
							Chrysene	2.5 ppm
							Dibenz(a,h)anthracene	2.5 ppm
							Dibenzofuran	2.5 ppm
							Fluoranthene	2.5 ppm
							Fluorene	2.5 ppm
							Indeno[1,2,3-cd]pyrene	2.5 ppm
							Naphthalene	2.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene	2.5 ppm
							Phenanthrene	2.5 ppm
							Pyrene	2.5 ppm
							Quinoline	2.5 ppm
							1-Methylnaphthalene-d10 (Surr)	2.5 ppm
							Benzo(a)pyrene-d12 (Surr)	2.5 ppm
							Fluoranthene-d10 (Surr)	2.5 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23		Absolute, Lot 102720		(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00029	12/08/22	06/08/22	MeCl2, Lot 221500	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00014	12/13/22	06/13/22	MeCl2, Lot 222145	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00003	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00009	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00007	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00003	03/23/23		Absolute, Lot 032318		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00009	06/23/26		Absolute, Lot 062321		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00007	06/18/23		Absolute, Lot 061820		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_ICV_00029	05/09/22	12/15/21	MeCl2, Lot 216834	2 mL	MSS_RVSIM_IS_00023	20 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
.MSS_RVSIM_IS_00023	05/09/22	11/09/21	MeCl2, Lot 215923	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MSS_RVSIM_ICV_00029	05/09/22	12/15/21	MeCl2, Lot 216834	2 mL	MSS_RVSICV_WS_00006	50 uL	1,4-Dioxane	0.5 ppm
							1-Methylnaphthalene	0.5 ppm
							2-Methylnaphthalene	0.5 ppm
							Acenaphthene	0.5 ppm
							Acenaphthylene	0.5 ppm
							Anthracene	0.5 ppm
							Benzo[a]anthracene	0.5 ppm
							Benzo[a]pyrene	0.5 ppm
							Benzo[b]fluoranthene	0.5 ppm
							Benzo[g,h,i]perylene	0.5 ppm
							Benzo[k]fluoranthene	0.5 ppm
							Bis(2-chloroethyl)ether	0.5 ppm
							Bis(2-ethylhexyl) phthalate	0.5 ppm
							Butylbenzylphthalate	0.5 ppm
							Chrysene	0.5 ppm
							Di-n-butyl phthalate	0.5 ppm
							Di-n-octyl phthalate	0.5 ppm
							Dibenz(a,h)anthracene	0.5 ppm
							Dibenzofuran	0.5 ppm
							Diethylphthalate	0.5 ppm
							Dimethylphthalate	0.5 ppm
							Fluoranthene	0.5 ppm
							Fluorene	0.5 ppm
							Hexachlorobenzene	0.5 ppm
							Indeno[1,2,3-cd]pyrene	0.5 ppm
							N-Nitrosodimethylamine	0.5 ppm
							Naphthalene	0.5 ppm
							Phenanthrene	0.5 ppm
							Pyrene	0.5 ppm
.MSS_RVSICV_WS_00006	05/15/22	12/15/21	MeCl2, Lot 216834	1 mL	OP_RES_LCS1_00005	20 uL	1,4-Dioxane	20 ppm
							1-Methylnaphthalene	20 ppm
							2-Methylnaphthalene	20 ppm
							Acenaphthene	20 ppm
							Acenaphthylene	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	20 ppm
							Benzo[a]anthracene	20 ppm
							Benzo[a]pyrene	20 ppm
							Benzo[b]fluoranthene	20 ppm
							Benzo[g,h,i]perylene	20 ppm
							Benzo[k]fluoranthene	20 ppm
							Bis(2-chloroethyl)ether	20 ppm
							Bis(2-ethylhexyl) phthalate	20 ppm
							Butylbenzylphthalate	20 ppm
							Chrysene	20 ppm
							Di-n-butyl phthalate	20 ppm
							Di-n-octyl phthalate	20 ppm
							Dibenz(a,h)anthracene	20 ppm
							Dibenzofuran	20 ppm
							Diethylphthalate	20 ppm
							Dimethylphthalate	20 ppm
							Fluoranthene	20 ppm
							Fluorene	20 ppm
							Hexachlorobenzene	20 ppm
							Indeno[1,2,3-cd]pyrene	20 ppm
							N-Nitrosodimethylamine	20 ppm
							Naphthalene	20 ppm
							Phenanthrene	20 ppm
							Pyrene	20 ppm
..OP_RES_LCS1_00005	09/30/22		Restek, Lot A0169665		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
MSS_RVSIM_ICV_00031	09/08/22	05/20/22	MeCl2, Lot 212252	1 mL	MSS_FVSIM_ICV_00015	250 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
.MSS_FVSIM_ICV_00015	09/08/22	05/20/22	MeCl2, Lot 212252	10 mL	MSS_FVSIM_IS_00015	100 uL	1,4-Dichlorobenzene-d4	1 ppm
							Acenaphthene-d10	1 ppm
							Chrysene-d12	1 ppm
							Naphthalene-d8	1 ppm
							Perylene-d12	1 ppm
							Phenanthrene-d10	1 ppm
..MSS_FVSIM_IS_00015	09/08/22	03/08/22	MeCl2, Lot 218658	20 mL	MSS_SIMTEL_IS_00010	1000 uL	1,4-Dichlorobenzene-d4	100 ppm
							Acenaphthene-d10	100 ppm
							Chrysene-d12	100 ppm
							Naphthalene-d8	100 ppm
							Perylene-d12	100 ppm
							Phenanthrene-d10	100 ppm
...MSS_SIMTEL_IS_00010	02/28/27	Restek, Lot A0170322			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MSS_RVSIM_ICV_00031	09/08/22	05/20/22	MeCl2, Lot 212252	1 mL	MSS_FVSIM_ICV_00015	250 uL	1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butylbenzylphthalate	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	0.25 ppm
							Diethylphthalate	0.25 ppm
							Dimethylphthalate	0.25 ppm
							Fluoranthene	0.25 ppm
							Fluorene	0.25 ppm
							Hexachlorobenzene	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							Naphthalene	0.25 ppm
							Phenanthrene	0.25 ppm
							Pyrene	0.25 ppm
.MSS_FVSIM_ICV_00015	09/08/22	05/20/22	MeCl2, Lot 212252	10 mL	MS_RES_ICV1_00002	10 uL	1,4-Dioxane	1 ppm
							1-Methylnaphthalene	1 ppm
							2-Methylnaphthalene	1 ppm
							Acenaphthene	1 ppm
							Acenaphthylene	1 ppm
							Anthracene	1 ppm
							Benzo[a]anthracene	1 ppm
							Benzo[a]pyrene	1 ppm
							Benzo[b]fluoranthene	1 ppm
							Benzo[g,h,i]perylene	1 ppm
							Benzo[k]fluoranthene	1 ppm
							Bis(2-chloroethyl)ether	1 ppm
							Bis(2-ethylhexyl) phthalate	1 ppm
							Butylbenzylphthalate	1 ppm
							Chrysene	1 ppm
							Di-n-butyl phthalate	1 ppm
							Di-n-octyl phthalate	1 ppm
							Dibenz(a,h)anthracene	1 ppm
							Dibenzofuran	1 ppm
							Diethylphthalate	1 ppm
							Dimethylphthalate	1 ppm
							Fluoranthene	1 ppm
							Fluorene	1 ppm
							Hexachlorobenzene	1 ppm
							Indeno[1,2,3-cd]pyrene	1 ppm
							N-Nitrosodimethylamine	1 ppm
							Naphthalene	1 ppm
							Phenanthrene	1 ppm
							Pyrene	1 ppm
..MS_RES_ICV1_00002	09/30/22		Restek, Lot A0169665		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
MSS_RVSIM_IS_00026	09/03/22	03/03/22	MeCl2, Lot 216836	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
.MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
.MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MSV_4ppbEE_00416	06/11/22	06/07/22	DI Water, Lot DI 21319	1000 mL	MSV_CCV_2CEVE_00069	4 uL	2-Chloroethyl vinyl ether	0.004 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_CCV_CYC_00001	32 uL	Cyclohexanone	0.200001 ug/mL
					MSV_CCV_EE_00003	4 uL	Ethyl ether	0.00400114 ug/mL
					MSV_CCV_GASES_00251	2 uL	1,2-Dichloro-1,1,2-trifluoroethane	0.004 ug/mL
							Bromomethane	0.004 ug/mL
							Butadiene	0.004 ug/mL
							Chloroethane	0.004 ug/mL
							Chloromethane	0.004 ug/mL
							Dichlorodifluoromethane	0.004 ug/mL
							Dichlorofluoromethane	0.004 ug/mL
							Trichlorofluoromethane	0.004 ug/mL
							Vinyl chloride	0.004 ug/mL
					MSV_CCV_VOC#1_00073	4 uL	1,1,1,2-Tetrachloroethane	0.004 ug/mL
							1,1,1-Trichloroethane	0.004 ug/mL
							1,1,2,2-Tetrachloroethane	0.004 ug/mL
							1,1,2-Trichloroethane	0.004 ug/mL
							1,1-Dichloroethane	0.004 ug/mL
							1,1-Dichloroethene	0.004 ug/mL
							1,1-Dichloropropene	0.004 ug/mL
							1,2,3-Trichlorobenzene	0.004 ug/mL
							1,2,3-Trichloropropane	0.004 ug/mL
							1,2,4-Trichlorobenzene	0.004 ug/mL
							1,2,4-Trimethylbenzene	0.004 ug/mL
							1,2-Dibromo-3-Chloropropane	0.004 ug/mL
							1,2-Dibromoethane	0.004 ug/mL
							1,2-Dichlorobenzene	0.004 ug/mL
							1,2-Dichloroethane	0.004 ug/mL
							1,2-Dichloropropane	0.004 ug/mL
							1,3,5-Trimethylbenzene	0.004 ug/mL
							1,3-Dichlorobenzene	0.004 ug/mL
							1,3-Dichloropropane	0.004 ug/mL
							1,4-Dichlorobenzene	0.004 ug/mL
							2,2-Dichloropropane	0.004 ug/mL
							2-Chlorotoluene	0.004 ug/mL
							4-Chlorotoluene	0.004 ug/mL
							4-Isopropyltoluene	0.004 ug/mL
							Benzene	0.004 ug/mL
							Bromobenzene	0.004 ug/mL
							Bromodichloromethane	0.004 ug/mL
							Bromoform	0.004 ug/mL
							Carbon tetrachloride	0.004 ug/mL
							Chlorobenzene	0.004 ug/mL
							Chlorobromomethane	0.004 ug/mL
							Chloroform	0.004 ug/mL
							cis-1,2-Dichloroethene	0.004 ug/mL
							cis-1,3-Dichloropropene	0.004 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	0.004 ug/mL
							Dibromomethane	0.004 ug/mL
							Ethylbenzene	0.004 ug/mL
							Hexachlorobutadiene	0.004 ug/mL
							Isopropylbenzene	0.004 ug/mL
							m-Xylene & p-Xylene	0.008 ug/mL
							Methylene Chloride	0.004 ug/mL
							n-Butylbenzene	0.004 ug/mL
							N-Propylbenzene	0.004 ug/mL
							Naphthalene	0.004 ug/mL
							o-Xylene	0.004 ug/mL
							sec-Butylbenzene	0.004 ug/mL
							Styrene	0.004 ug/mL
							tert-Butylbenzene	0.004 ug/mL
							Tetrachloroethene	0.004 ug/mL
							Toluene	0.004 ug/mL
							trans-1,2-Dichloroethene	0.004 ug/mL
							trans-1,3-Dichloropropene	0.004 ug/mL
							Trichloroethene	0.004 ug/mL
							1,2,3-Trimethylbenzene	0.004 ug/mL
							1,3,5-Trichlorobenzene	0.004 ug/mL
							1,3-Diethylbenzene	0.004 ug/mL
							1,4-Dioxane	0.05 ug/mL
							1-Chlorohexane	0.004 ug/mL
							2-Chloro-1,3-butadiene	0.004 ug/mL
							2-ethoxy-2-methyl butane	0.004 ug/mL
							2-Methyl-2-propanol	0.02 ug/mL
							2-Methylnaphthalene	0.004 ug/mL
							2-Nitropropane	0.02 ug/mL
							3-Chloro-1-propene	0.004 ug/mL
							Acrylonitrile	0.01 ug/mL
							Benzyl chloride	0.004 ug/mL
							Carbon disulfide	0.004 ug/mL
							Cyclohexane	0.004 ug/mL
							Ethyl methacrylate	0.004 ug/mL
							Freon 113	0.004 ug/mL
							Hexane	0.004 ug/mL
							Iodomethane	0.004 ug/mL
							Isobutyl alcohol	0.05 ug/mL
							Isopropyl alcohol	0.02 ug/mL
							Isopropyl ether	0.004 ug/mL
							Methacrylonitrile	0.01 ug/mL
							Methyl acetate	0.004 ug/mL
							Methyl methacrylate	0.004 ug/mL
							Methyl tertiary butyl ether	0.004 ug/mL
							Methylcyclohexane	0.004 ug/mL
							n-Butanol	0.05 ug/mL
							n-Heptane	0.004 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-diethylbenzene	0.004 ug/mL
							p-Diethylbenzene	0.004 ug/mL
							Pentane	0.004 ug/mL
							Propionitrile	0.02 ug/mL
							Tert-amyl methyl ether	0.004 ug/mL
							Tert-butyl ethyl ether	0.004 ug/mL
							Tetrahydrofuran	0.02 ug/mL
							trans-1,4-Dichloro-2-butene	0.01 ug/mL
					MSV_CCV_VOC#3_00073	3.2 uL	Acrolein	0.0400001 ug/mL
							2-Butanone	0.008 ug/mL
							2-Hexanone	0.008 ug/mL
							4-Methyl-2-pentanone	0.008 ug/mL
							Acetone	0.008 ug/mL
.MSV_CCV_2CEVE_00069	07/05/22	06/05/22	Methanol, Lot EB679	5 mL	MSV_V_2CLEVE_00070	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00070	04/30/24	Restek, Lot A0171422			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00001	08/01/22	02/01/22	50/50 MeOH/Water, Lot EB679	200 mL	MSV_VCYC_STK_00007	9.282 mL	Cyclohexanone	6250.03 ug/mL
..MSV_VCYC_STK_00007	08/01/22	02/01/22	50/50 MeOH/Water, Lot EB679	10 mL	MSV_CYC_00006	1.3467 g	Cyclohexanone	134670 ug/mL
...MSV_CYC_00006	05/31/23	Chem Service, Lot 12628400			(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_EE_00003	11/20/22	05/20/22	Methanol, Lot EB679	100 mL	MSV_EE_MISCSK_00010	1.73 mL	Ethyl ether	1000.29 ug/mL
..MSV_EE_MISCSK_00010	11/20/22	05/20/22	Methanol, Lot EB679	10 mL	MSV_EE_Neat_00007	0.5782 g	Ethyl ether	57820 ug/mL
...MSV_EE_Neat_00007	12/31/25	Chem Service, Lot 12123300			(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_CCV_GASES_00251	06/14/22	Restek, Lot A0172364			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_CCV_VOC#1_00073	07/05/22	06/05/22	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00071	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00071	1 mL	1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Freon 113	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00071	07/05/22		Restek, Lot A0171634		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00071	07/05/22		Restek, Lot A0173454		(Purchased Reagent)		1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methacrylate	5000 ug/mL
							Freon 113	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tertiary butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00073	07/05/22	06/05/22	Methanol, Lot EB679	5 mL	MSV_CCV_ACR_00004	0.5 mL	Acrolein	12500 ug/mL
					MSV_V_Ketones_00069	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_CCV_ACR_00004	07/23/22	05/24/22	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00026	9.17 mL	Acrolein	125000 ug/mL
...MSV_VACR_STK_00026	07/23/22	05/24/22	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00019	1.4626 g	Acrolein	136314 ug/mL
....MSV_ACROLEIN_00019	02/28/23	Chem Service, Lot 12926800			(Purchased Reagent)		Acrolein	0.932 g/g
..MSV_V_Ketones_00069	01/31/24	Restek, Lot A0174287			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_2CEVE_00069	07/05/22	06/05/22	Methanol, Lot EB679	5 mL	MSV_V_2CLEVE_00070	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00070	04/30/24	Restek, Lot A0171422			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00001	08/01/22	02/01/22	50/50 MeOH/Water, Lot EB679	200 mL	MSV_VCYC_STK_00007	9.282 mL	Cyclohexanone	6250.03 ug/mL
.MSV_VCYC_STK_00007	08/01/22	02/01/22	50/50 MeOH/Water, Lot EB679	10 mL	MSV_CYC_00006	1.3467 g	Cyclohexanone	134670 ug/mL
..MSV_CYC_00006	05/31/23	Chem Service, Lot 12628400			(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_EE_00003	11/20/22	05/20/22	Methanol, Lot EB679	100 mL	MSV_EE_MISCSK_00010	1.73 mL	Ethyl ether	1000.29 ug/mL
.MSV_EE_MISCSK_00010	11/20/22	05/20/22	Methanol, Lot EB679	10 mL	MSV_EE_Neat_00007	0.5782 g	Ethyl ether	57820 ug/mL
..MSV_EE_Neat_00007	12/31/25	Chem Service, Lot 12123300			(Purchased Reagent)		Ethyl ether	1 g/g
MSV_CCV_GASES_00251	06/14/22	Restek, Lot A0172364			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_00258	08/31/22		Restek, Lot A0172364		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_VOC#1_00073	07/05/22	06/05/22	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00071	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00071	1 mL	1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Freon 113	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
.MSV_MegaMIX#1_00071	07/05/22		Restek, Lot A0171634		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_MegaMix#2_00071	07/05/22		Restek, Lot A0173454		(Purchased Reagent)		1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Freon 113	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tertiary butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_CCV_VOC#1_00084	09/20/22	08/21/22	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00083	1 mL	1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00082	1 mL	Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Freon 113	1000 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
.MSV_MegaMIX#1_00083	09/20/22		Restek, Lot A0171634		(Purchased Reagent)		1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							Methylene Chloride	5000 ug/mL
							Styrene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_MegaMix#2_00082	09/20/22	Restek, Lot A0173454			(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Freon 113	5000 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tertiary butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
MSV_CCV_VOC#3_00073	07/05/22	06/05/22	Methanol, Lot EB679	5 mL	MSV_CCV_ACR_00004	0.5 mL	Acrolein	12500 ug/mL
					MSV_V_Ketones_00069	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
.MSV_CCV_ACR_00004	07/23/22	05/24/22	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00026	9.17 mL	Acrolein	125000 ug/mL
..MSV_VACR_STK_00026	07/23/22	05/24/22	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00019	1.4626 g	Acrolein	136314 ug/mL
...MSV_ACROLEIN_00019	02/28/23	Chem Service, Lot 12926800			(Purchased Reagent)		Acrolein	0.932 g/g
.MSV_V_Ketones_00069	01/31/24	Restek, Lot A0174287			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_VOC#3_00085	09/11/22	08/21/22	Methanol, Lot EB679	5 mL	MSV_V_Ketones_00080	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
.MSV_V_Ketones_00080	07/31/24		Restek, Lot A0174287		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_HP20_ISSS_00076	12/02/22	06/02/22	Methanol, Lot EB679	10 mL	MSV_8260_SS_00669	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
					MSV_Cus826_IS_00452	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_8260_SS_00669	03/31/25		Restek, Lot A0183565		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00452	04/30/25		Restek, Lot A0184225		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP20_ISSS_00083	02/16/23	08/16/22	Methanol, Lot EB679	10 mL	MSV_Cus826_IS_00487	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00487	04/30/25		Restek, Lot A0184225		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP20_ISSS_00083	02/16/23	08/16/22	Methanol, Lot EB679	10 mL	MSV_8260_SS_00733	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MSV_8260_SS_00733	03/31/25		Restek, Lot A0183565		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_Gases_00090	06/12/22	06/05/22	Methanol, Lot EB679	25 mL	MSV_QC_2K_GAS_00094	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00094	06/12/22		Restek, Lot A0172021		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_Gases_00101	08/28/22	08/21/22	Methanol, Lot EB679	25 mL	MSV_QC_2K_GAS_00104	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00104	08/28/22		Restek, Lot A0172021		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_VOC#1_00058	07/05/22	06/05/22	Methanol, Lot EB679	25 mL	MSV_M_MIX1SEC_00068	1 mL	1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dibromoethane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							Benzene	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00068	1 mL	Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Freon 113	40 ug/mL
							Methyl acetate	40 ug/mL
							Methyl tertiary butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
					MSV_Q_Ketones_00069	1 mL	2-Butanone	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone	500 ug/mL
							Acetone	500 ug/mL
.MSV_M_MIX1SEC_00068	04/30/24		Restek, Lot A0171815		(Purchased Reagent)		1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00068	04/30/24		Restek, Lot A0171837		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Freon 113	1000 ug/mL
							Methyl acetate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
.MSV_Q_Ketones_00069	01/31/24		Restek, Lot A0178490		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00069	09/20/22	08/21/22	Methanol, Lot EB679	25 mL	MSV_M_MIX1SEC_00083	1 mL	1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dibromoethane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							Benzene	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00082	1 mL	Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Freon 113	40 ug/mL
							Methyl acetate	40 ug/mL
							Methyl tertiary butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
					MSV_Q_Ketones_00082	1 mL	2-Butanone	500 ug/mL
							2-Hexanone	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone	500 ug/mL
							Acetone	500 ug/mL
.MSV_M_MIX1SEC_00083	04/30/24		Restek, Lot A0171815		(Purchased Reagent)		1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00082	04/30/24		Restek, Lot A0171837		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Freon 113	1000 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
.MSV_Q_Ketones_00082	01/31/24		Restek, Lot A0178490		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_V_BFB_00007							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							Xylenes, Total	
					MSV_VBFB_STK_00007	0.116 mL	BFB	50.0099 ug/mL
.MSV_VBFB_STK_00007	06/29/22	12/29/21	Methanol, Lot EB679	10 mL	MSV_4BFB_NEAT_00005	1.0778 g	BFB	107780 ug/mL
..MSV_4BFB_NEAT_00005	02/28/25		Chem Service, Lot 11130200		(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00008							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							Xylenes, Total	
					MSV_VBFB_STK_00008	0.128 mL	BFB	49.8125 ug/mL
.MSV_VBFB_STK_00008	12/27/22	06/27/22	Methanol, Lot EB679	10 mL	MSV_4BFB_NEAT_00008	0.9729 g	BFB	97290 ug/mL
..MSV_4BFB_NEAT_00008	02/28/25		Chem Service, Lot 13233000		(Purchased Reagent)		BFB	1 g/g
OP_MINIBNA_SS_00066	01/06/23	08/02/22	Methanol, Lot 214330	1000 mL	OP_BNA_SS_00043	250 mL	1-Methylnaphthalene-d10 (Surr)	250 ppb
							2,4,6-Tribromophenol (Surr)	50000 ppb
							2-Fluorobiphenyl (Surr)	25000 ppb
							2-Fluorophenol (Surr)	50000 ppb
							Benzo(a)pyrene-d12 (Surr)	250 ppb
							Fluoranthene-d10 (Surr)	250 ppb
							Nitrobenzene-d5 (Surr)	25000 ppb
							p-Terphenyl-d14 (Surr)	25000 ppb
							Phenol-d5 (Surr)	50000 ppb
.OP_BNA_SS_00043	01/06/23	07/05/22	Methanol, Lot 214330	2000 mL	OP_BNA_STK_00041	2000 mL	1-Methylnaphthalene-d10 (Surr)	1000 ppb
							2,4,6-Tribromophenol (Surr)	200000 ppb
							2-Fluorobiphenyl (Surr)	100000 ppb
							2-Fluorophenol (Surr)	200000 ppb
							Benzo(a)pyrene-d12 (Surr)	1000 ppb
							Fluoranthene-d10 (Surr)	1000 ppb
							Nitrobenzene-d5 (Surr)	100000 ppb
							p-Terphenyl-d14 (Surr)	100000 ppb
							Phenol-d5 (Surr)	200000 ppb
..OP_BNA_STK_00041	01/06/23		Agilent, Lot 0006682928		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1 ug/mL
							2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1 ug/mL
							Fluoranthene-d10 (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							p-Terphenyl-d14 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
OP_MINIBNA_SS_00067	01/06/23	08/17/22	Methanol, Lot 214330	1000 mL	OP_BNA_SS_00043	250 mL	1-Methylnaphthalene-d10 (Surr)	250 ppb
							2,4,6-Tribromophenol (Surr)	50000 ppb
							2-Fluorobiphenyl (Surr)	25000 ppb
							2-Fluorophenol (Surr)	50000 ppb
							Benzo(a)pyrene-d12 (Surr)	250 ppb
							Fluoranthene-d10 (Surr)	250 ppb
							Nitrobenzene-d5 (Surr)	25000 ppb
							p-Terphenyl-d14 (Surr)	25000 ppb
							Phenol-d5 (Surr)	50000 ppb
.OP_BNA_SS_00043	01/06/23	07/05/22	Methanol, Lot 214330	2000 mL	OP_BNA_STK_00041	2000 mL	1-Methylnaphthalene-d10 (Surr)	1000 ppb
							2,4,6-Tribromophenol (Surr)	200000 ppb
							2-Fluorobiphenyl (Surr)	100000 ppb
							2-Fluorophenol (Surr)	200000 ppb
							Benzo(a)pyrene-d12 (Surr)	1000 ppb
							Fluoranthene-d10 (Surr)	1000 ppb
							Nitrobenzene-d5 (Surr)	100000 ppb
							p-Terphenyl-d14 (Surr)	100000 ppb
							Phenol-d5 (Surr)	200000 ppb
..OP_BNA_STK_00041	01/06/23		Agilent, Lot 0006682928		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1 ug/mL
							2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1 ug/mL
							Fluoranthene-d10 (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							p-Terphenyl-d14 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
OP_MINLCS1_MS_00125	08/21/22	08/09/22	ACETONE, Lot ED774-US	100 mL	OP_LCS1_MS_00045	25 mL	1,1'-Biphenyl	12500 ppb
							1,2,4,5-Tetrachlorobenzene	12500 ppb
							1,2,4-Trichlorobenzene	12500 ppb
							1,2-Dichlorobenzene	12500 ppb
							1,2-Diphenylhydrazine	12500 ppb
							1,3-Dichlorobenzene	12500 ppb
							1,3-Dinitrobenzene	12500 ppb
							1,4-Dichlorobenzene	12500 ppb
							1,4-Dioxane	12500 ppb
							1-Methylnaphthalene	12500 ppb
							2,2'-oxybis[1-chloropropane]	12500 ppb
							2,3,4,6-Tetrachlorophenol	12500 ppb
							2,4,5-Trichlorophenol	12500 ppb
							2,4,6-Trichlorophenol	12500 ppb
							2,4-Dichlorophenol	12500 ppb
							2,4-Dimethylphenol	12500 ppb
							2,4-Dinitrophenol	25000 ppb
							2,4-Dinitrotoluene	12500 ppb
							2,6-Dichlorophenol	12500 ppb
							2,6-Dinitrotoluene	12500 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	12500 ppb
							2-Chlorophenol	12500 ppb
							2-Methylnaphthalene	12500 ppb
							2-Methylphenol	12500 ppb
							2-Nitroaniline	12500 ppb
							2-Nitrophenol	12500 ppb
							3-Nitroaniline	12500 ppb
							4,6-Dinitro-2-methylphenol	25000 ppb
							4-Bromophenyl phenyl ether	12500 ppb
							4-Chloro-3-methylphenol	12500 ppb
							4-Chloroaniline	12500 ppb
							4-Chlorophenyl phenyl ether	12500 ppb
							4-Methylphenol	12500 ppb
							4-Nitroaniline	12500 ppb
							4-Nitrophenol	25000 ppb
							Acenaphthene	12500 ppb
							Acenaphthylene	12500 ppb
							Acetophenone	12500 ppb
							Aniline	12500 ppb
							Anthracene	12500 ppb
							Benzo[a]anthracene	12500 ppb
							Benzo[a]pyrene	12500 ppb
							Benzo[b]fluoranthene	12500 ppb
							Benzo[g,h,i]perylene	12500 ppb
							Benzo[k]fluoranthene	12500 ppb
							Benzyl alcohol	12500 ppb
							Bis(2-chloroethoxy)methane	12500 ppb
							Bis(2-chloroethyl)ether	12500 ppb
							Bis(2-ethylhexyl) phthalate	12500 ppb
							Butylbenzylphthalate	12500 ppb
							Carbazole	12500 ppb
							Chrysene	12500 ppb
							Di-n-butyl phthalate	12500 ppb
							Di-n-octyl phthalate	12500 ppb
							Dibenz(a,h)anthracene	12500 ppb
							Dibenzofuran	12500 ppb
							Diethylphthalate	12500 ppb
							Dimethylphthalate	12500 ppb
							Fluoranthene	12500 ppb
							Fluorene	12500 ppb
							Hexachlorobenzene	12500 ppb
							Hexachlorobutadiene	12500 ppb
							Hexachlorocyclopentadiene	12500 ppb
							Hexachloroethane	12500 ppb
							Hexadecane	12500 ppb
							Indeno[1,2,3-cd]pyrene	12500 ppb
							Isophorone	12500 ppb
							n-Decane	12500 ppb

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	12500 ppb
							N-Nitrosodimethylamine	12500 ppb
							N-Nitrosodiphenylamine	10625 ppb
							n-Octadecane	12500 ppb
							Naphthalene	12500 ppb
							Nitrobenzene	12500 ppb
							Pentachlorophenol	25000 ppb
							Phenanthrene	12500 ppb
							Phenol	12500 ppb
							Pyrene	12500 ppb
							Pyridine	25000 ppb
							3,3'-Dichlorobenzidine	25000 ppb
							Benzidine	25000 ppb
							Benzoic acid	12500 ppb
							Indene	12500 ppb
							1-Methylphenanthrene	12500 ppb
							2,3-Dichlorobenzenamine	12500 ppb
							Alpha Methyl Styrene	12500 ppb
							Alpha-Terpineol	12500 ppb
							Dimethylformamide	12500 ppb
							icosane	12500 ppb
							n-Docosane	12500 ppb
							n-Tetradecane	12500 ppb
							Octachlorostyrene	12500 ppb
							Phenyl ether	12500 ppb
.OP_LCS1_MS_00045	08/21/22	07/20/22	Acetone, Lot ED774-US	400 mL	OP_RES_LCS1_00007	15 mL	1,1'-Biphenyl	50000 ppb
							1,2,4,5-Tetrachlorobenzene	50000 ppb
							1,2,4-Trichlorobenzene	50000 ppb
							1,2-Dichlorobenzene	50000 ppb
							1,2-Diphenylhydrazine	50000 ppb
							1,3-Dichlorobenzene	50000 ppb
							1,3-Dinitrobenzene	50000 ppb
							1,4-Dichlorobenzene	50000 ppb
							1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2,2'-oxybis[1-chloropropane]	50000 ppb
							2,3,4,6-Tetrachlorophenol	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl phenyl ether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl phenyl ether	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butylbenzylphthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethylphthalate	50000 ppb
							Dimethylphthalate	50000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_LCS1_00008	5 mL	1,1'-Biphenyl	50000 ppb
							1,2,4,5-Tetrachlorobenzene	50000 ppb
							1,2,4-Trichlorobenzene	50000 ppb
							1,2-Dichlorobenzene	50000 ppb
							1,2-Diphenylhydrazine	50000 ppb
							1,3-Dichlorobenzene	50000 ppb
							1,3-Dinitrobenzene	50000 ppb
							1,4-Dichlorobenzene	50000 ppb
							1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2,2'-oxybis[1-chloropropane]	50000 ppb
							2,3,4,6-Tetrachlorophenol	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl phenyl ether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl phenyl ether	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butylbenzylphthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethylphthalate	50000 ppb
							Dimethylphthalate	50000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_LCS2_00008	20 mL	3,3'-Dichlorobenzidine	100000 ppb
							Benzidine	100000 ppb
					OP_RES_LCS3_00005	10 mL	Benzoic acid	50000 ppb
							Indene	50000 ppb
					OP_RES_LCSadd_00001	10 mL	1-Methylphenanthrene	50000 ppb
							2,3-Dichlorobenzenamine	50000 ppb
							Alpha Methyl Styrene	50000 ppb
							Alpha-Terpineol	50000 ppb
							Dimethylformamide	50000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							icosane	50000 ppb
							n-Docosane	50000 ppb
							n-Tetradecane	50000 ppb
							Octachlorostyrene	50000 ppb
							Phenyl ether	50000 ppb
..OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS1_00008	06/30/23		Restek, Lot A0179662		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00008	07/31/23		Restek, Lot A0181121		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..OP_RES_LCS3_00005	07/31/23		Restek, Lot A0180656		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		1-Methylphenanthrene	2000 ug/mL
							2,3-Dichlorobenzenamine	2000 ug/mL
							Alpha Methyl Styrene	2000 ug/mL
							Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							icosane	2000 ug/mL
							n-Docosane	2000 ug/mL
							n-Tetradecane	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
OP_MINLCS1_MS_00126	08/21/22	08/17/22	ACETONE, Lot ED774-US	100 mL	OP_LCS1_MS_00045	25 mL	1,1'-Biphenyl	12500 ppb
							1,2,4,5-Tetrachlorobenzene	12500 ppb
							1,2,4-Trichlorobenzene	12500 ppb
							1,2-Dichlorobenzene	12500 ppb
							1,2-Diphenylhydrazine	12500 ppb
							1,3-Dichlorobenzene	12500 ppb
							1,3-Dinitrobenzene	12500 ppb
							1,4-Dichlorobenzene	12500 ppb
							1,4-Dioxane	12500 ppb
							1-Methylnaphthalene	12500 ppb
							2,2'-oxybis[1-chloropropane]	12500 ppb
							2,3,4,6-Tetrachlorophenol	12500 ppb
							2,4,5-Trichlorophenol	12500 ppb
							2,4,6-Trichlorophenol	12500 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	12500 ppb
							2,4-Dimethylphenol	12500 ppb
							2,4-Dinitrophenol	25000 ppb
							2,4-Dinitrotoluene	12500 ppb
							2,6-Dichlorophenol	12500 ppb
							2,6-Dinitrotoluene	12500 ppb
							2-Chloronaphthalene	12500 ppb
							2-Chlorophenol	12500 ppb
							2-Methylnaphthalene	12500 ppb
							2-Methylphenol	12500 ppb
							2-Nitroaniline	12500 ppb
							2-Nitrophenol	12500 ppb
							3-Nitroaniline	12500 ppb
							4,6-Dinitro-2-methylphenol	25000 ppb
							4-Bromophenyl phenyl ether	12500 ppb
							4-Chloro-3-methylphenol	12500 ppb
							4-Chloroaniline	12500 ppb
							4-Chlorophenyl phenyl ether	12500 ppb
							4-Methylphenol	12500 ppb
							4-Nitroaniline	12500 ppb
							4-Nitrophenol	25000 ppb
							Acenaphthene	12500 ppb
							Acenaphthylene	12500 ppb
							Acetophenone	12500 ppb
							Aniline	12500 ppb
							Anthracene	12500 ppb
							Benzo[a]anthracene	12500 ppb
							Benzo[a]pyrene	12500 ppb
							Benzo[b]fluoranthene	12500 ppb
							Benzo[g,h,i]perylene	12500 ppb
							Benzo[k]fluoranthene	12500 ppb
							Benzyl alcohol	12500 ppb
							Bis(2-chloroethoxy)methane	12500 ppb
							Bis(2-chloroethyl)ether	12500 ppb
							Bis(2-ethylhexyl) phthalate	12500 ppb
							Butylbenzylphthalate	12500 ppb
							Carbazole	12500 ppb
							Chrysene	12500 ppb
							Di-n-butyl phthalate	12500 ppb
							Di-n-octyl phthalate	12500 ppb
							Dibenz(a,h)anthracene	12500 ppb
							Dibenzofuran	12500 ppb
							Diethylphthalate	12500 ppb
							Dimethylphthalate	12500 ppb
							Fluoranthene	12500 ppb
							Fluorene	12500 ppb
							Hexachlorobenzene	12500 ppb
							Hexachlorobutadiene	12500 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	12500 ppb
							Hexachloroethane	12500 ppb
							Hexadecane	12500 ppb
							Indeno[1,2,3-cd]pyrene	12500 ppb
							Isophorone	12500 ppb
							n-Decane	12500 ppb
							N-Nitrosodi-n-propylamine	12500 ppb
							N-Nitrosodimethylamine	12500 ppb
							N-Nitrosodiphenylamine	10625 ppb
							n-Octadecane	12500 ppb
							Naphthalene	12500 ppb
							Nitrobenzene	12500 ppb
							Pentachlorophenol	25000 ppb
							Phenanthrene	12500 ppb
							Phenol	12500 ppb
							Pyrene	12500 ppb
							Pyridine	25000 ppb
							3,3'-Dichlorobenzidine	25000 ppb
							Benzidine	25000 ppb
							Benzoic acid	12500 ppb
							Indene	12500 ppb
							1-Methylphenanthrene	12500 ppb
							2,3-Dichlorobenzenamine	12500 ppb
							Alpha Methyl Styrene	12500 ppb
							Alpha-Terpineol	12500 ppb
							Dimethylformamide	12500 ppb
							icosane	12500 ppb
							n-Docosane	12500 ppb
							n-Tetradecane	12500 ppb
							Octachlorostyrene	12500 ppb
							Phenyl ether	12500 ppb
.OP_LCS1_MS_00045	08/21/22	07/20/22	Acetone, Lot ED774-US	400 mL	OP_RES_LCS1_00007	15 mL	1,1'-Biphenyl	50000 ppb
							1,2,4,5-Tetrachlorobenzene	50000 ppb
							1,2,4-Trichlorobenzene	50000 ppb
							1,2-Dichlorobenzene	50000 ppb
							1,2-Diphenylhydrazine	50000 ppb
							1,3-Dichlorobenzene	50000 ppb
							1,3-Dinitrobenzene	50000 ppb
							1,4-Dichlorobenzene	50000 ppb
							1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2,2'-oxybis[1-chloropropane]	50000 ppb
							2,3,4,6-Tetrachlorophenol	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl phenyl ether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl phenyl ether	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butylbenzylphthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethylphthalate	50000 ppb
							Dimethylphthalate	50000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_LCS1_00008	5 mL	1,1'-Biphenyl	50000 ppb
							1,2,4,5-Tetrachlorobenzene	50000 ppb
							1,2,4-Trichlorobenzene	50000 ppb
							1,2-Dichlorobenzene	50000 ppb
							1,2-Diphenylhydrazine	50000 ppb
							1,3-Dichlorobenzene	50000 ppb
							1,3-Dinitrobenzene	50000 ppb
							1,4-Dichlorobenzene	50000 ppb
							1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2,2'-oxybis[1-chloropropane]	50000 ppb
							2,3,4,6-Tetrachlorophenol	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl phenyl ether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl phenyl ether	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butylbenzylphthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethylphthalate	50000 ppb
							Dimethylphthalate	50000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_LCS2_00008	20 mL	3,3'-Dichlorobenzidine	100000 ppb
							Benzidine	100000 ppb
					OP_RES_LCS3_00005	10 mL	Benzoic acid	50000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indene	50000 ppb
					OP_RES_LCSadd_00001	10 mL	1-Methylphenanthrene	50000 ppb
							2,3-Dichlorobenzenamine	50000 ppb
							Alpha Methyl Styrene	50000 ppb
							Alpha-Terpineol	50000 ppb
							Dimethylformamide	50000 ppb
							icosane	50000 ppb
							n-Docosane	50000 ppb
							n-Tetradecane	50000 ppb
							Octachlorostyrene	50000 ppb
							Phenyl ether	50000 ppb
..OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS1_00008	06/30/23		Restek, Lot A0179662		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00008	07/31/23		Restek, Lot A0181121		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..OP_RES_LCS3_00005	07/31/23		Restek, Lot A0180656		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		1-Methylphenanthrene	2000 ug/mL
							2,3-Dichlorobenzenamine	2000 ug/mL
							Alpha Methyl Styrene	2000 ug/mL
							Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							icosane	2000 ug/mL
							n-Docosane	2000 ug/mL
							n-Tetradecane	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
OP_MINLCS2_MS_00073	09/04/22	08/03/22	ACETONE, Lot ED774-US	100 mL	OP_LCS 2_MS_00035	25 mL	Atrazine	12500 ppb
							Benzaldehyde	12500 ppb
							Caprolactam	12500 ppb
.OP_LCS 2_MS_00035	09/04/22	08/03/22	ACETONE, Lot ED774-US	400 mL	OP_LCSmix2stk_00004	10 mL	Atrazine	50000 ppb
							Benzaldehyde	50000 ppb
							Caprolactam	50000 ppb
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
OP_SIMLCS_MS_00072	08/21/22	07/29/22	ACETONE, Lot ED774-US	100 mL	OP_B(E)P_STK_00010	0.1 mL	Benzo[e]pyrene	1078 ppb
					OP_LCS1_MS_00045	2 mL	1,1'-Biphenyl	1000 ppb
							1,2,4,5-Tetrachlorobenzene	1000 ppb
							1,2,4-Trichlorobenzene	1000 ppb
							1,2-Dichlorobenzene	1000 ppb
							1,2-Diphenylhydrazine	1000 ppb
							1,3-Dichlorobenzene	1000 ppb
							1,3-Dinitrobenzene	1000 ppb
							1,4-Dichlorobenzene	1000 ppb
							1,4-Dioxane	1000 ppb
							1-Methylnaphthalene	1000 ppb
							2,2'-oxybis[1-chloropropane]	1000 ppb
							2,3,4,6-Tetrachlorophenol	1000 ppb
							2,4,5-Trichlorophenol	1000 ppb
							2,4,6-Trichlorophenol	1000 ppb
							2,4-Dichlorophenol	1000 ppb
							2,4-Dimethylphenol	1000 ppb
							2,4-Dinitrophenol	2000 ppb
							2,4-Dinitrotoluene	1000 ppb
							2,6-Dichlorophenol	1000 ppb
							2,6-Dinitrotoluene	1000 ppb
							2-Chloronaphthalene	1000 ppb
							2-Chlorophenol	1000 ppb
							2-Methylnaphthalene	1000 ppb
							2-Methylphenol	1000 ppb
							2-Nitroaniline	1000 ppb
							2-Nitrophenol	1000 ppb
							3-Nitroaniline	1000 ppb
							4,6-Dinitro-2-methylphenol	2000 ppb
							4-Bromophenyl phenyl ether	1000 ppb
							4-Chloro-3-methylphenol	1000 ppb
							4-Chloroaniline	1000 ppb
							4-Chlorophenyl phenyl ether	1000 ppb
							4-Methylphenol	1000 ppb
							4-Nitroaniline	1000 ppb
							4-Nitrophenol	2000 ppb
							Acenaphthene	1000 ppb
							Acenaphthylene	1000 ppb
							Acetophenone	1000 ppb
							Aniline	1000 ppb
							Anthracene	1000 ppb
							Benzo[a]anthracene	1000 ppb
							Benzo[a]pyrene	1000 ppb
							Benzo[b]fluoranthene	1000 ppb
							Benzo[g,h,i]perylene	1000 ppb
							Benzo[k]fluoranthene	1000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	1000 ppb
							Bis(2-chloroethoxy)methane	1000 ppb
							Bis(2-chloroethyl)ether	1000 ppb
							Bis(2-ethylhexyl) phthalate	1000 ppb
							Butylbenzylphthalate	1000 ppb
							Carbazole	1000 ppb
							Chrysene	1000 ppb
							Di-n-butyl phthalate	1000 ppb
							Di-n-octyl phthalate	1000 ppb
							Dibenz(a,h)anthracene	1000 ppb
							Dibenzofuran	1000 ppb
							Diethylphthalate	1000 ppb
							Dimethylphthalate	1000 ppb
							Fluoranthene	1000 ppb
							Fluorene	1000 ppb
							Hexachlorobenzene	1000 ppb
							Hexachlorobutadiene	1000 ppb
							Hexachlorocyclopentadiene	1000 ppb
							Hexachloroethane	1000 ppb
							Hexadecane	1000 ppb
							Indeno[1,2,3-cd]pyrene	1000 ppb
							Isophorone	1000 ppb
							n-Decane	1000 ppb
							N-Nitrosodi-n-propylamine	1000 ppb
							N-Nitrosodimethylamine	1000 ppb
							N-Nitrosodiphenylamine	850 ppb
							n-Octadecane	1000 ppb
							Naphthalene	1000 ppb
							Nitrobenzene	1000 ppb
							Pentachlorophenol	2000 ppb
							Phenanthrene	1000 ppb
							Phenol	1000 ppb
							Pyrene	1000 ppb
							Pyridine	2000 ppb
							3,3'-Dichlorobenzidine	2000 ppb
							Benzidine	2000 ppb
							Benzoic acid	1000 ppb
							Indene	1000 ppb
							1-Methylphenanthrene	1000 ppb
							2,3-Dichlorobenzenamine	1000 ppb
							Alpha Methyl Styrene	1000 ppb
							Alpha-Terpineol	1000 ppb
							Dimethylformamide	1000 ppb
							icosane	1000 ppb
							n-Docosane	1000 ppb
							n-Tetradecane	1000 ppb
							Octachlorostyrene	1000 ppb
							Phenyl ether	1000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_PERYL_STK_00002	0.05 mL	Perylene	1000.15 ppb
.OP_B(E)P_STK_00010	06/15/23	06/22/22	MeCl2, Lot 221499	10 mL	OP_BEP_NEAT_00004	0.011 g	Benzo[e]pyrene	1078000 ppb
..OP_BEP_NEAT_00004	06/22/27		ALDRICH, Lot MKCP5010		(Purchased Reagent)		Benzo[e]pyrene	98 %
.OP_LCS1_MS_00045	08/21/22	07/20/22	Acetone, Lot ED774-US	400 mL	OP_RES_LCS1_00007	15 mL	1,1'-Biphenyl	50000 ppb
							1,2,4,5-Tetrachlorobenzene	50000 ppb
							1,2,4-Trichlorobenzene	50000 ppb
							1,2-Dichlorobenzene	50000 ppb
							1,2-Diphenylhydrazine	50000 ppb
							1,3-Dichlorobenzene	50000 ppb
							1,3-Dinitrobenzene	50000 ppb
							1,4-Dichlorobenzene	50000 ppb
							1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2,2'-oxybis[1-chloropropane]	50000 ppb
							2,3,4,6-Tetrachlorophenol	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl phenyl ether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl phenyl ether	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butylbenzylphthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethylphthalate	50000 ppb
							Dimethylphthalate	50000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_LCS1_00008	5 mL	1,1'-Biphenyl	50000 ppb
							1,2,4,5-Tetrachlorobenzene	50000 ppb
							1,2,4-Trichlorobenzene	50000 ppb
							1,2-Dichlorobenzene	50000 ppb
							1,2-Diphenylhydrazine	50000 ppb
							1,3-Dichlorobenzene	50000 ppb
							1,3-Dinitrobenzene	50000 ppb
							1,4-Dichlorobenzene	50000 ppb
							1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2,2'-oxybis[1-chloropropane]	50000 ppb
							2,3,4,6-Tetrachlorophenol	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl phenyl ether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl phenyl ether	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butylbenzylphthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethylphthalate	50000 ppb
							Dimethylphthalate	50000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_LCS2_00008	20 mL	3,3'-Dichlorobenzidine	100000 ppb
							Benzidine	100000 ppb
					OP_RES_LCS3_00005	10 mL	Benzoic acid	50000 ppb
							Indene	50000 ppb
					OP_RES_LCSadd_00001	10 mL	1-Methylphenanthrene	50000 ppb
							2,3-Dichlorobenzenamine	50000 ppb
							Alpha Methyl Styrene	50000 ppb
							Alpha-Terpineol	50000 ppb
							Dimethylformamide	50000 ppb
							icosane	50000 ppb
							n-Docosane	50000 ppb
							n-Tetradecane	50000 ppb
							Octachlorostyrene	50000 ppb
							Phenyl ether	50000 ppb
..OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS1_00008	06/30/23		Restek, Lot A0179662		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00008	07/31/23		Restek, Lot A0181121		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..OP_RES_LCS3_00005	07/31/23		Restek, Lot A0180656		(Purchased Reagent)		Benzoic acid	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indene	2000 ug/mL
..OP_RES_LCSadd_00001	12/31/23	Restek, Lot A0166837			(Purchased Reagent)		1-Methylphenanthrene	2000 ug/mL
							2,3-Dichlorobenzenamine	2000 ug/mL
							Alpha Methyl Styrene	2000 ug/mL
							Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							icosane	2000 ug/mL
							n-Docosane	2000 ug/mL
							n-Tetradecane	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.OP_PERYL_STK_00002	07/18/23	ABSOLUTE, Lot 071818			(Purchased Reagent)		Perylene	2000.3 ug/mL

Reagent

MS_RES_ICV1_00002

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 571995.SEC **Lot No.:** A0169665

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

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

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane	1,000.8 µg/mL	+/- 5.8322 µg/mL	Gravimetric
	CAS # 123-91-1.SEC (Lot KLE2K)		+/- 11.9702 µg/mL	Unstressed
	Purity 99%		+/- 19.0440 µg/mL	Stressed
2	N-Nitrosodimethylamine	1,003.6 µg/mL	+/- 5.8485 µg/mL	Gravimetric
	CAS # 62-75-9.SEC (Lot 71L89)		+/- 12.0037 µg/mL	Unstressed
	Purity 99%		+/- 19.0973 µg/mL	Stressed
3	Pyridine	2,001.0 µg/mL	+/- 11.6340 µg/mL	Gravimetric
	CAS # 110-86-1.SEC (Lot QN8DK)		+/- 23.9201 µg/mL	Unstressed
	Purity 99%		+/- 38.0684 µg/mL	Stressed
4	Phenol	1,003.0 µg/mL	+/- 5.8450 µg/mL	Gravimetric
	CAS # 108-95-2.SEC (Lot EDPYN)		+/- 11.9965 µg/mL	Unstressed
	Purity 99%		+/- 19.0859 µg/mL	Stressed
5	Aniline	1,005.2 µg/mL	+/- 5.8578 µg/mL	Gravimetric
	CAS # 62-53-3.SEC (Lot ZCD3N)		+/- 12.0228 µg/mL	Unstressed
	Purity 99%		+/- 19.1278 µg/mL	Stressed
6	Bis(2-chloroethyl)ether	1,005.4 µg/mL	+/- 5.8590 µg/mL	Gravimetric
	CAS # 111-44-4.SEC (Lot FA010143)		+/- 12.0252 µg/mL	Unstressed
	Purity 99%		+/- 19.1316 µg/mL	Stressed
7	n-Decane (C10)	1,004.2 µg/mL	+/- 5.8520 µg/mL	Gravimetric
	CAS # 124-18-5.SEC (Lot UCVNN)		+/- 12.0108 µg/mL	Unstressed
	Purity 99%		+/- 19.1087 µg/mL	Stressed

8	2-Chlorophenol		1,000.2	µg/mL	+/-	5.8287	µg/mL	Gravimetric
	CAS # 95-57-8.SEC	(Lot GJ01)			+/-	11.9630	µg/mL	Unstressed
	Purity 99%				+/-	19.0326	µg/mL	Stressed
9	1,3-Dichlorobenzene		1,003.0	µg/mL	+/-	5.8450	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot ZA2ZI)			+/-	11.9965	µg/mL	Unstressed
	Purity 99%				+/-	19.0859	µg/mL	Stressed
10	1,4-Dichlorobenzene		1,001.4	µg/mL	+/-	5.8357	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot J5GVD)			+/-	11.9773	µg/mL	Unstressed
	Purity 99%				+/-	19.0555	µg/mL	Stressed
11	Benzyl alcohol		1,001.6	µg/mL	+/-	5.8368	µg/mL	Gravimetric
	CAS # 100-51-6.SEC	(Lot QZBUO)			+/-	11.9797	µg/mL	Unstressed
	Purity 99%				+/-	19.0593	µg/mL	Stressed
12	1,2-Dichlorobenzene		1,001.6	µg/mL	+/-	5.8368	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	11.9797	µg/mL	Unstressed
	Purity 99%				+/-	19.0593	µg/mL	Stressed
13	2-Methylphenol (o-cresol)		1,006.6	µg/mL	+/-	5.8660	µg/mL	Gravimetric
	CAS # 95-48-7.SEC	(Lot NC7HL)			+/-	12.0395	µg/mL	Unstressed
	Purity 99%				+/-	19.1544	µg/mL	Stressed
14	2,2'-oxybis(1-chloropropane)		1,003.6	µg/mL	+/-	5.8485	µg/mL	Gravimetric
	CAS # 108-60-1.SEC	(Lot 2-KMW-57-8)			+/-	12.0037	µg/mL	Unstressed
	Purity 99%				+/-	19.0973	µg/mL	Stressed
15	Acetophenone		1,000.4	µg/mL	+/-	5.8299	µg/mL	Gravimetric
	CAS # 98-86-2.SEC	(Lot NSGTI)			+/-	11.9654	µg/mL	Unstressed
	Purity 99%				+/-	19.0364	µg/mL	Stressed
16	3-Methylphenol (m-cresol)		500.4	µg/mL	+/-	2.9161	µg/mL	Gravimetric
	CAS # 108-39-4.SEC	(Lot 6LHTM)			+/-	5.9851	µg/mL	Unstressed
	Purity 99%				+/-	9.5220	µg/mL	Stressed
17	4-Methylphenol (p-cresol)		502.2	µg/mL	+/-	2.9266	µg/mL	Gravimetric
	CAS # 106-44-5.SEC	(Lot 65S2E)			+/-	6.0066	µg/mL	Unstressed
	Purity 99%				+/-	9.5563	µg/mL	Stressed
18	N-Nitroso-di-n-propylamine		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 621-64-7.SEC	(Lot 9566100)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
19	Hexachloroethane		1,005.2	µg/mL	+/-	5.8578	µg/mL	Gravimetric
	CAS # 67-72-1.SEC	(Lot 10173016)			+/-	12.0228	µg/mL	Unstressed
	Purity 99%				+/-	19.1278	µg/mL	Stressed
20	Nitrobenzene		1,000.0	µg/mL	+/-	5.8275	µg/mL	Gravimetric
	CAS # 98-95-3.SEC	(Lot FLYIG)			+/-	11.9606	µg/mL	Unstressed
	Purity 99%				+/-	19.0288	µg/mL	Stressed
21	Isophorone		999.6	µg/mL	+/-	5.8252	µg/mL	Gravimetric
	CAS # 78-59-1.SEC	(Lot XHGJI)			+/-	11.9558	µg/mL	Unstressed
	Purity 98%				+/-	19.0212	µg/mL	Stressed
22	2-Nitrophenol		1,003.2	µg/mL	+/-	5.8462	µg/mL	Gravimetric
	CAS # 88-75-5.SEC	(Lot GXJ7J)			+/-	11.9989	µg/mL	Unstressed
	Purity 99%				+/-	19.0897	µg/mL	Stressed
23	2,4-Dimethylphenol		1,000.6	µg/mL	+/-	5.8310	µg/mL	Gravimetric
	CAS # 105-67-9.SEC	(Lot MKBL3650V)			+/-	11.9678	µg/mL	Unstressed
	Purity 99%				+/-	19.0402	µg/mL	Stressed

24	Bis(2-chloroethoxy)methane		1,000.8	µg/mL	+/-	5.8322	µg/mL	Gravimetric
	CAS # 111-91-1 *	(Lot 9890600)			+/-	11.9702	µg/mL	Unstressed
	Purity 99%				+/-	19.0440	µg/mL	Stressed
25	2,4-Dichlorophenol		1,002.2	µg/mL	+/-	5.8403	µg/mL	Gravimetric
	CAS # 120-83-2.SEC	(Lot FHM01)			+/-	11.9869	µg/mL	Unstressed
	Purity 99%				+/-	19.0707	µg/mL	Stressed
26	1,2,4-Trichlorobenzene		1,001.6	µg/mL	+/-	5.8368	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot IGLFA)			+/-	11.9797	µg/mL	Unstressed
	Purity 99%				+/-	19.0593	µg/mL	Stressed
27	Naphthalene		1,000.0	µg/mL	+/-	5.8275	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot AM5NG)			+/-	11.9606	µg/mL	Unstressed
	Purity 99%				+/-	19.0288	µg/mL	Stressed
28	2,6-Dichlorophenol		1,000.6	µg/mL	+/-	5.8310	µg/mL	Gravimetric
	CAS # 87-65-0.SEC	(Lot SIDBB)			+/-	11.9678	µg/mL	Unstressed
	Purity 99%				+/-	19.0402	µg/mL	Stressed
29	4-Chloroaniline		1,003.4	µg/mL	+/-	5.8473	µg/mL	Gravimetric
	CAS # 106-47-8.SEC	(Lot 10171860)			+/-	12.0013	µg/mL	Unstressed
	Purity 99%				+/-	19.0935	µg/mL	Stressed
30	Hexachlorobutadiene		999.9	µg/mL	+/-	5.8268	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 11135200)			+/-	11.9591	µg/mL	Unstressed
	Purity 97%				+/-	19.0265	µg/mL	Stressed
31	4-Chloro-3-methylphenol		1,001.0	µg/mL	+/-	5.8333	µg/mL	Gravimetric
	CAS # 59-50-7.SEC	(Lot FDO02)			+/-	11.9726	µg/mL	Unstressed
	Purity 99%				+/-	19.0478	µg/mL	Stressed
32	2-Methylnaphthalene		1,000.4	µg/mL	+/-	5.8299	µg/mL	Gravimetric
	CAS # 91-57-6.SEC	(Lot 76023-1)			+/-	11.9654	µg/mL	Unstressed
	Purity 99%				+/-	19.0364	µg/mL	Stressed
33	1-Methylnaphthalene		999.8	µg/mL	+/-	5.8263	µg/mL	Gravimetric
	CAS # 90-12-0.SEC	(Lot OEE3F)			+/-	11.9582	µg/mL	Unstressed
	Purity 98%				+/-	19.0249	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene		1,004.8	µg/mL	+/-	5.8555	µg/mL	Gravimetric
	CAS # 95-94-3.SEC	(Lot AF02)			+/-	12.0180	µg/mL	Unstressed
	Purity 99%				+/-	19.1202	µg/mL	Stressed
35	Hexachlorocyclopentadiene		1,000.0	µg/mL	+/-	5.8275	µg/mL	Gravimetric
	CAS # 77-47-4.SEC	(Lot 9707900)			+/-	11.9606	µg/mL	Unstressed
	Purity 99%				+/-	19.0288	µg/mL	Stressed
36	2,4,6-Trichlorophenol		1,002.6	µg/mL	+/-	5.8427	µg/mL	Gravimetric
	CAS # 88-06-2.SEC	(Lot UUMYM)			+/-	11.9917	µg/mL	Unstressed
	Purity 99%				+/-	19.0783	µg/mL	Stressed
37	2,4,5-Trichlorophenol		1,005.3	µg/mL	+/-	5.8585	µg/mL	Gravimetric
	CAS # 95-95-4.SEC	(Lot MKBQ9937V)			+/-	12.0241	µg/mL	Unstressed
	Purity 97%				+/-	19.1298	µg/mL	Stressed
38	2-Chloronaphthalene		1,005.0	µg/mL	+/-	5.8567	µg/mL	Gravimetric
	CAS # 91-58-7.SEC	(Lot 9711100)			+/-	12.0204	µg/mL	Unstressed
	Purity 99%				+/-	19.1240	µg/mL	Stressed
39	Biphenyl		1,000.2	µg/mL	+/-	5.8287	µg/mL	Gravimetric
	CAS # 92-52-4.SEC	(Lot 33OQE)			+/-	11.9630	µg/mL	Unstressed
	Purity 99%				+/-	19.0326	µg/mL	Stressed

40	2-Nitroaniline		1,001.4	µg/mL	+/-	5.8357	µg/mL	Gravimetric
	CAS # 88-74-4.SEC	(Lot T6E7B)			+/-	11.9773	µg/mL	Unstressed
	Purity 99%				+/-	19.0555	µg/mL	Stressed
41	Acenaphthylene		1,000.7	µg/mL	+/-	5.8316	µg/mL	Gravimetric
	CAS # 208-96-8.SEC	(Lot 0012014)			+/-	11.9690	µg/mL	Unstressed
	Purity 96%				+/-	19.0422	µg/mL	Stressed
42	1,3-Dinitrobenzene		1,004.0	µg/mL	+/-	5.8508	µg/mL	Gravimetric
	CAS # 99-65-0.SEC	(Lot 3XXLB)			+/-	12.0084	µg/mL	Unstressed
	Purity 99%				+/-	19.1049	µg/mL	Stressed
43	Dimethylphthalate		1,001.8	µg/mL	+/-	5.8380	µg/mL	Gravimetric
	CAS # 131-11-3.SEC	(Lot 483WC)			+/-	11.9821	µg/mL	Unstressed
	Purity 99%				+/-	19.0631	µg/mL	Stressed
44	2,6-Dinitrotoluene		1,005.2	µg/mL	+/-	5.8578	µg/mL	Gravimetric
	CAS # 606-20-2.SEC	(Lot GE01)			+/-	12.0228	µg/mL	Unstressed
	Purity 99%				+/-	19.1278	µg/mL	Stressed
45	3-Nitroaniline		1,002.4	µg/mL	+/-	5.8415	µg/mL	Gravimetric
	CAS # 99-09-2.SEC	(Lot FGN03)			+/-	11.9893	µg/mL	Unstressed
	Purity 99%				+/-	19.0745	µg/mL	Stressed
46	Acenaphthene		1,003.6	µg/mL	+/-	5.8485	µg/mL	Gravimetric
	CAS # 83-32-9.SEC	(Lot BWZJE)			+/-	12.0037	µg/mL	Unstressed
	Purity 99%				+/-	19.0973	µg/mL	Stressed
47	2,4-Dinitrophenol		2,005.3	µg/mL	+/-	11.6588	µg/mL	Gravimetric
	CAS # 51-28-5.SEC	(Lot YTR6B)			+/-	23.9712	µg/mL	Unstressed
	Purity 98%				+/-	38.1498	µg/mL	Stressed
48	Dibenzofuran		1,000.8	µg/mL	+/-	5.8322	µg/mL	Gravimetric
	CAS # 132-64-9.SEC	(Lot 27ZGC)			+/-	11.9702	µg/mL	Unstressed
	Purity 99%				+/-	19.0440	µg/mL	Stressed
49	4-Nitrophenol		2,005.6	µg/mL	+/-	11.6607	µg/mL	Gravimetric
	CAS # 100-02-7.SEC	(Lot H75QG)			+/-	23.9751	µg/mL	Unstressed
	Purity 99%				+/-	38.1560	µg/mL	Stressed
50	2,4-Dinitrotoluene		1,000.8	µg/mL	+/-	5.8322	µg/mL	Gravimetric
	CAS # 121-14-2.SEC	(Lot SHRSA)			+/-	11.9702	µg/mL	Unstressed
	Purity 99%				+/-	19.0440	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol		1,001.4	µg/mL	+/-	5.8357	µg/mL	Gravimetric
	CAS # 58-90-2.SEC	(Lot LRAC4175)			+/-	11.9773	µg/mL	Unstressed
	Purity 99%				+/-	19.0555	µg/mL	Stressed
52	Fluorene		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 86-73-7.SEC	(Lot 10342200)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
53	n-Hexadecane (C16)		1,001.6	µg/mL	+/-	5.8368	µg/mL	Gravimetric
	CAS # 544-76-3.SEC	(Lot A0328141)			+/-	11.9797	µg/mL	Unstressed
	Purity 99%				+/-	19.0593	µg/mL	Stressed
54	Diethylphthalate		1,001.8	µg/mL	+/-	5.8380	µg/mL	Gravimetric
	CAS # 84-66-2.SEC	(Lot UMBJC)			+/-	11.9821	µg/mL	Unstressed
	Purity 99%				+/-	19.0631	µg/mL	Stressed
55	4-Chlorophenyl phenyl ether		1,000.4	µg/mL	+/-	5.8298	µg/mL	Gravimetric
	CAS # 7005-72-3.SEC	(Lot P31G)			+/-	11.9652	µg/mL	Unstressed
	Purity 98%				+/-	19.0361	µg/mL	Stressed

56	4-Nitroaniline		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 100-01-6.SEC	(Lot 5ITRC)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,009.4	µg/mL	+/-	11.6828	µg/mL	Gravimetric
	CAS # 534-52-1.SEC	(Lot DR11288300)			+/-	24.0205	µg/mL	Unstressed
	Purity 99%				+/-	38.2283	µg/mL	Stressed
58	Diphenylamine		851.0	µg/mL	+/-	4.9592	µg/mL	Gravimetric
	CAS # 122-39-4.SEC	(Lot 10164691)			+/-	10.1785	µg/mL	Unstressed
	Purity 99%				+/-	16.1935	µg/mL	Stressed
59	Azobenzene		1,000.4	µg/mL	+/-	5.8299	µg/mL	Gravimetric
	CAS # 103-33-3.SEC	(Lot JUWAG)			+/-	11.9654	µg/mL	Unstressed
	Purity 99%				+/-	19.0364	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,001.4	µg/mL	+/-	5.8357	µg/mL	Gravimetric
	CAS # 101-55-3.SEC	(Lot 84C6D)			+/-	11.9773	µg/mL	Unstressed
	Purity 99%				+/-	19.0555	µg/mL	Stressed
61	Hexachlorobenzene		1,001.0	µg/mL	+/-	5.8333	µg/mL	Gravimetric
	CAS # 118-74-1.SEC	(Lot G137934)			+/-	11.9726	µg/mL	Unstressed
	Purity 99%				+/-	19.0478	µg/mL	Stressed
62	Pentachlorophenol		2,002.0	µg/mL	+/-	11.6398	µg/mL	Gravimetric
	CAS # 87-86-5.SEC	(Lot 8636800)			+/-	23.9320	µg/mL	Unstressed
	Purity 99%				+/-	38.0875	µg/mL	Stressed
63	n-Octadecane (C18)		1,004.8	µg/mL	+/-	5.8555	µg/mL	Gravimetric
	CAS # 593-45-3.SEC	(Lot G14U045)			+/-	12.0180	µg/mL	Unstressed
	Purity 99%				+/-	19.1202	µg/mL	Stressed
64	Phenanthrene		1,004.3	µg/mL	+/-	5.8526	µg/mL	Gravimetric
	CAS # 85-01-8.SEC	(Lot 8637000)			+/-	12.0121	µg/mL	Unstressed
	Purity 98%				+/-	19.1107	µg/mL	Stressed
65	Anthracene		1,003.0	µg/mL	+/-	5.8450	µg/mL	Gravimetric
	CAS # 120-12-7.SEC	(Lot WDFNJ)			+/-	11.9965	µg/mL	Unstressed
	Purity 99%				+/-	19.0859	µg/mL	Stressed
66	Carbazole		1,004.8	µg/mL	+/-	5.8555	µg/mL	Gravimetric
	CAS # 86-74-8.SEC	(Lot 7MR7O)			+/-	12.0180	µg/mL	Unstressed
	Purity 99%				+/-	19.1202	µg/mL	Stressed
67	Di-n-butylphthalate		1,001.4	µg/mL	+/-	5.8357	µg/mL	Gravimetric
	CAS # 84-74-2.SEC	(Lot 42FSG)			+/-	11.9773	µg/mL	Unstressed
	Purity 99%				+/-	19.0555	µg/mL	Stressed
68	Fluoranthene		1,003.2	µg/mL	+/-	5.8462	µg/mL	Gravimetric
	CAS # 206-44-0.SEC	(Lot FREGF)			+/-	11.9989	µg/mL	Unstressed
	Purity 99%				+/-	19.0897	µg/mL	Stressed
69	Pyrene		1,004.2	µg/mL	+/-	5.8520	µg/mL	Gravimetric
	CAS # 129-00-0.SEC	(Lot ROVJC)			+/-	12.0108	µg/mL	Unstressed
	Purity 99%				+/-	19.1087	µg/mL	Stressed
70	Benzyl butyl phthalate		1,006.9	µg/mL	+/-	5.8675	µg/mL	Gravimetric
	CAS # 85-68-7.SEC	(Lot GX3GL)			+/-	12.0426	µg/mL	Unstressed
	Purity 98%				+/-	19.1592	µg/mL	Stressed
71	Benz(a)anthracene		1,002.3	µg/mL	+/-	5.8412	µg/mL	Gravimetric
	CAS # 56-55-3.SEC	(Lot MTENF)			+/-	11.9886	µg/mL	Unstressed
	Purity 98%				+/-	19.0734	µg/mL	Stressed

72	chrysene		1,004.0	µg/mL	+/-	5.8508	µg/mL	Gravimetric
	CAS # 218-01-9.SEC	(Lot NICZC)			+/-	12.0084	µg/mL	Unstressed
	Purity 99%				+/-	19.1049	µg/mL	Stressed
73	Bis(2-ethylhexyl)phthalate		1,001.8	µg/mL	+/-	5.8380	µg/mL	Gravimetric
	CAS # 117-81-7.SEC	(Lot MT8AG)			+/-	11.9821	µg/mL	Unstressed
	Purity 99%				+/-	19.0631	µg/mL	Stressed
74	Di-n-octyl phthalate		1,003.4	µg/mL	+/-	5.8473	µg/mL	Gravimetric
	CAS # 117-84-0.SEC	(Lot O8DLD)			+/-	12.0013	µg/mL	Unstressed
	Purity 99%				+/-	19.0935	µg/mL	Stressed
75	Benzo(b)fluoranthene		1,003.6	µg/mL	+/-	5.8485	µg/mL	Gravimetric
	CAS # 205-99-2.SEC	(Lot I4OWH)			+/-	12.0037	µg/mL	Unstressed
	Purity 99%				+/-	19.0973	µg/mL	Stressed
76	Benzo(k)fluoranthene		1,004.0	µg/mL	+/-	5.8508	µg/mL	Gravimetric
	CAS # 207-08-9.SEC	(Lot 11288200)			+/-	12.0084	µg/mL	Unstressed
	Purity 99%				+/-	19.1049	µg/mL	Stressed
77	Benzo(a)pyrene		1,004.6	µg/mL	+/-	5.8543	µg/mL	Gravimetric
	CAS # 50-32-8.SEC	(Lot SLCD4874)			+/-	12.0156	µg/mL	Unstressed
	Purity 99%				+/-	19.1164	µg/mL	Stressed
78	Indeno(1,2,3-cd)pyrene		1,000.6	µg/mL	+/-	5.8310	µg/mL	Gravimetric
	CAS # 193-39-5.SEC	(Lot 022015)			+/-	11.9678	µg/mL	Unstressed
	Purity 99%				+/-	19.0402	µg/mL	Stressed
79	Dibenz(a,h)anthracene		1,000.4	µg/mL	+/-	5.8299	µg/mL	Gravimetric
	CAS # 53-70-3.SEC	(Lot 0012011)			+/-	11.9654	µg/mL	Unstressed
	Purity 99%				+/-	19.0364	µg/mL	Stressed
80	Benzo(g,h,i)perylene		1,005.3	µg/mL	+/-	5.8585	µg/mL	Gravimetric
	CAS # 191-24-2.SEC	(Lot 0022012)			+/-	12.0241	µg/mL	Unstressed
	Purity 96%				+/-	19.1299	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

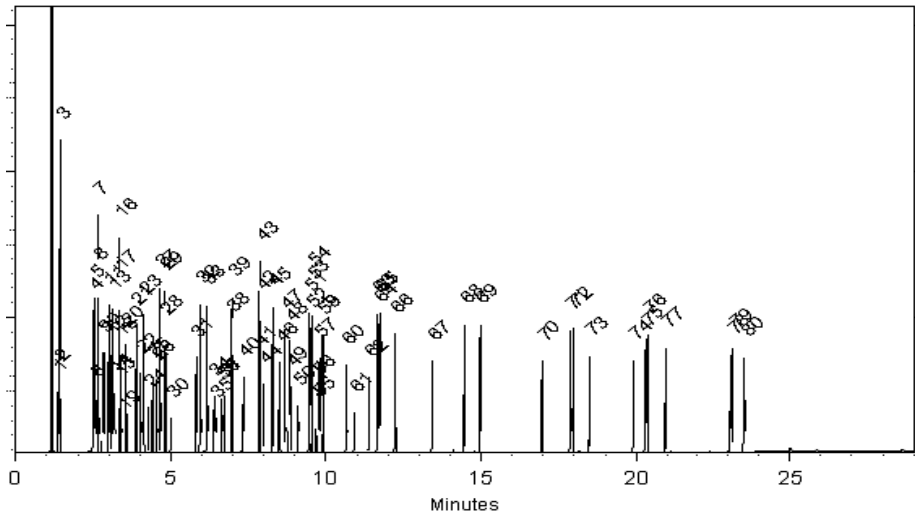
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



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

Matt Fragassi - Mix Technician

Date Mixed: 02-Mar-2021 **Balance:** 1128342314

Marlina Cowan - Operations Tech I

Date Passed: 11-Mar-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSS_8270_SURR_00004

Certificate of Analysis

EPA 8270 Surrogate Standard

Certified Reference Material

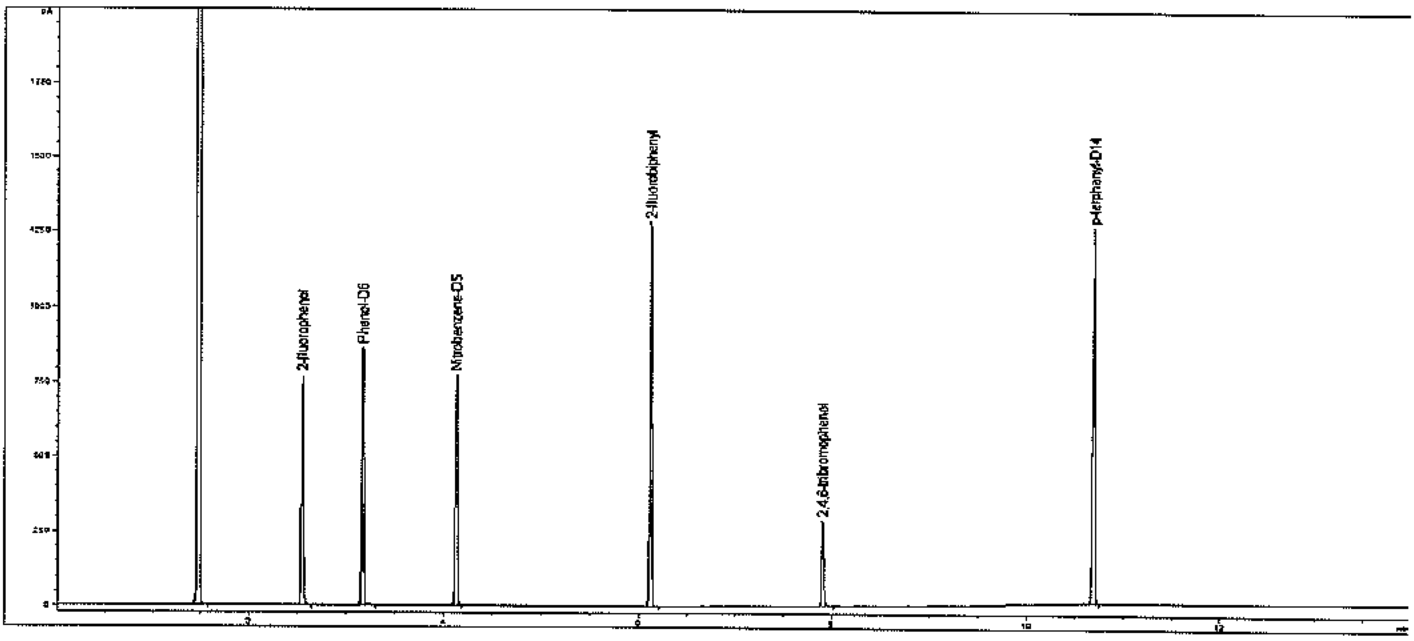
Description

Product ID CRM47960
Lot LRAC8467
Expiration Date October 2023
Manufacturing Date October 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

Certified Values

Analyte	*Certified Value* [1,4]	*Units*	*Raw Material Purity,%*	*Elution order*	*Raw Material Lot*	*CAS*
2-FLUOROPHENOL	4003 ± 110	µg/mL	99.9	01	LB92543	367-12-4
PHENOL-D6	4002 ± 75	µg/mL	99.5	02	MBBC6771	13127-88-3
NITROBENZENE-D5	4001 ± 50	µg/mL	99.9	03	LB83753	4165-60-0
2-FLUOROBIPHENYL	4001 ± 79	µg/mL	99.9	04	MKCK0527	321-60-8
2,4,6-TRIBROMOPHENOL	4004 ± 92	µg/mL	99.7	05	LB81262	118-79-6
P-TERPHENYL-D14	4047 ± 131	µg/mL	99.5	06	PR-27278/121715	1718-51-0

Informational Values



Additional Information:

Analytical Method Parameters:
Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #214)
Carrier Gas: H2, Flow: 4.5 mL/min
Inlet Temperature: 270 °C, Injection Volume: 1.0 µL
Injection Mode: Split, Split Ratio: 40: 1
Temperature Program: 100 °C (Hold 1 min) @ 20 °C/min to 280 °C (Hold 4 min)

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

SIGMA-ALDRICH®
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
800-325-5832
TechService@milliporesigma.com www.sigma-aldrich.com

Reagent

MSS_AB_14DIOX_00007

CERTIFIED WEIGHT REPORT

Part Number: 70373
Lot Number: 121619
Description: 1,4-Dioxane

Expiration Date: 121624
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 200.0

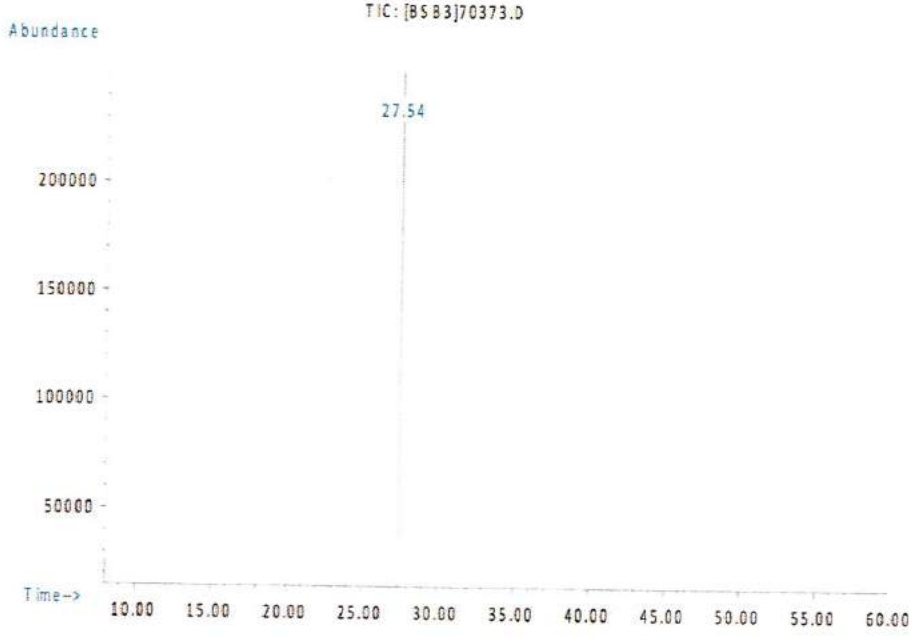
Solvent:	Lot#
Methanol	DV182-US

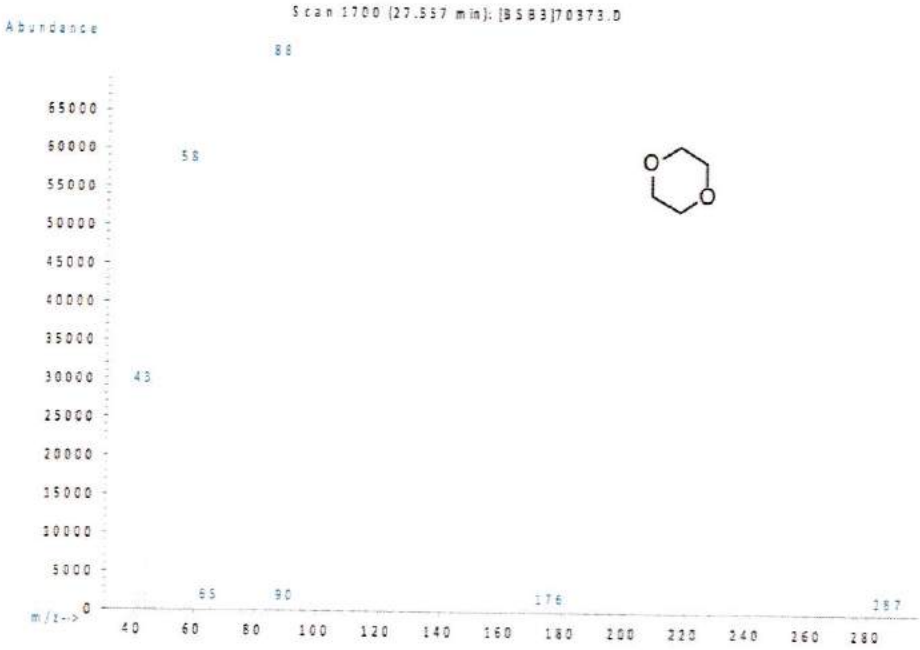
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Eli Aliaga	121619 DATE
Reviewed By:	Pedro L. Rentas	121619 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1,4-Dioxane	373	03853KE	1000	99	0.2	0.20201	0.20220	1000.9	4.1	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. Analysis performed by Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_24DNP_00007

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70159
Lot Number: 120920
Description: 2,4-Dinitrophenol

Solvent(s): Methanol **Lot#** DY186-US

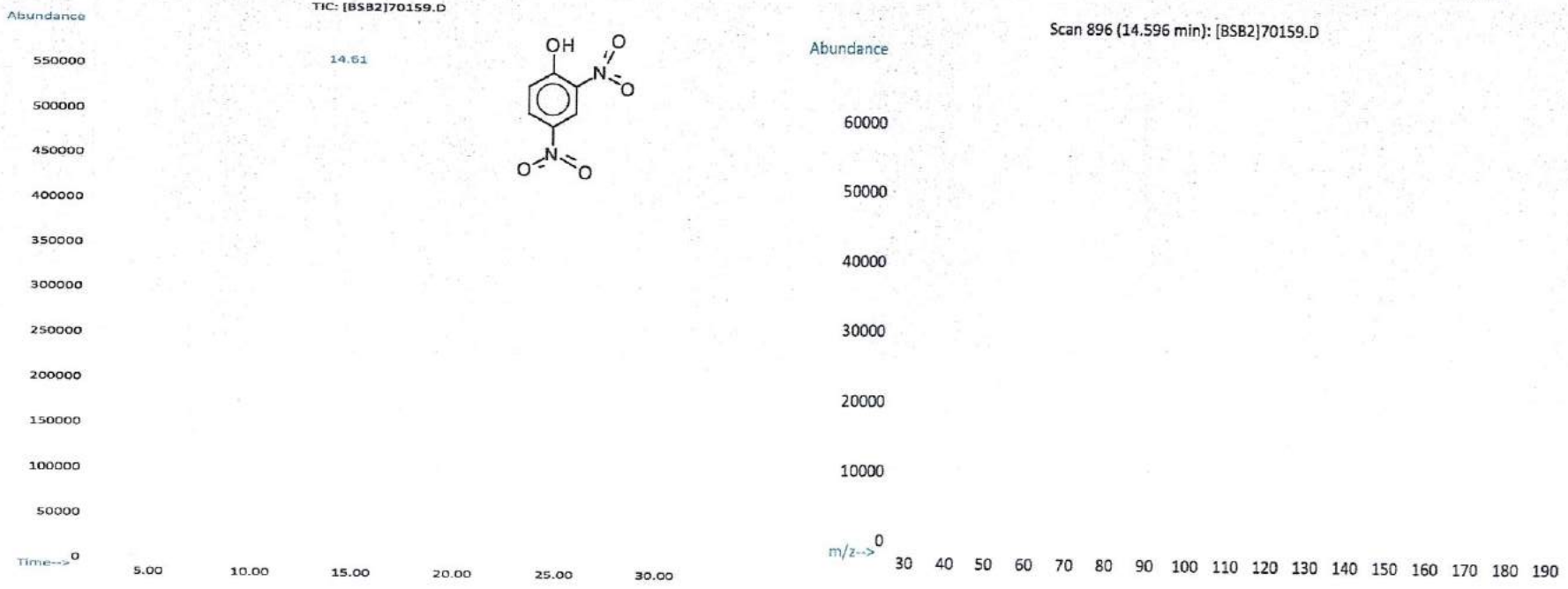
Expiration Date: 120925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

		120920
Formulated By:	Prashant Chauhan	DATE
		120920
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2,4-Dinitrophenol	159	011719	1000	98	0.2	0.10205	0.10225	1002.0	4.2	51-28-5	N/A	orl-rat 30mg/kg

Method GC8MSD-3.M: Column: (30m X 0.25mm ID X 0.25µm film thickness), Temp 1 = 50°C (1min.), Temp 2 = 300°C (4 min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 300°C. Analysis performed by Melissa Stonier.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_46D2MP_00004

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	70158
Lot Number:	111919
Description:	4,6-Dinitro-2-methylphenol
Expiration Date:	111924
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Methanol **Lot#** DV182-US

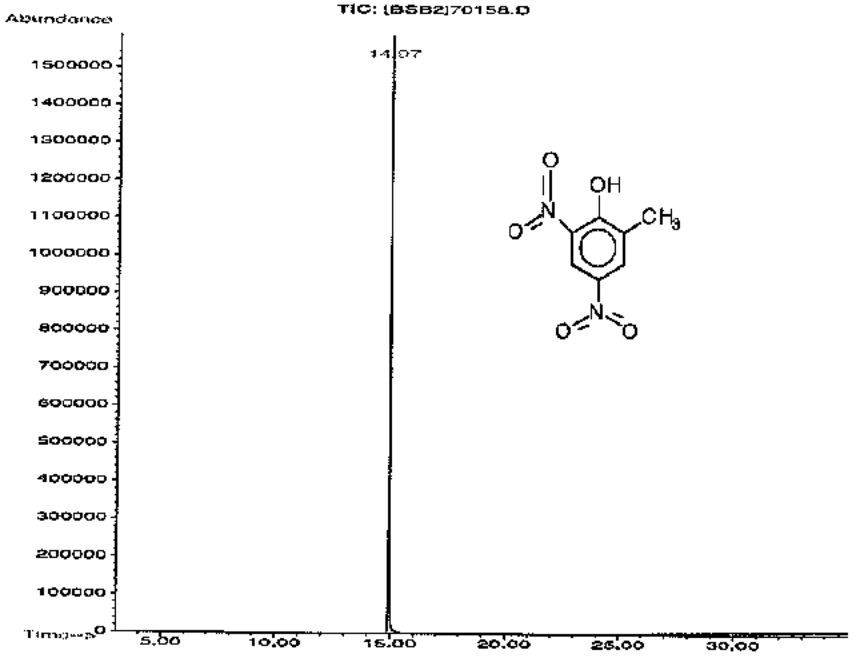
5E-05 Balance Uncertainty

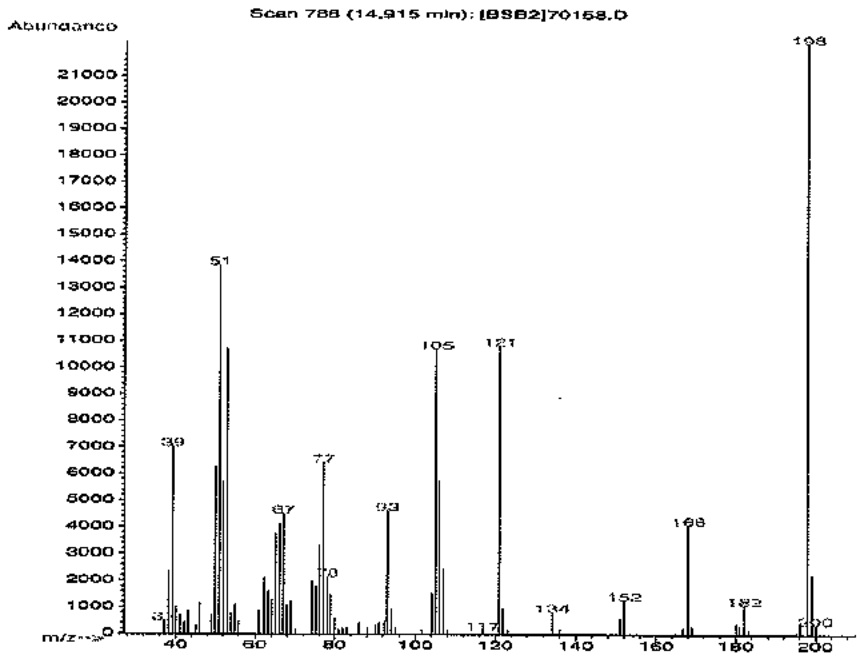
Weight(s) shown below were combined and diluted to (mL): 50.0 0.007 Flask Uncertainty

		111919
Formulated By:	Justin Dippold	DATE
		111919
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 4,6-Dinitro-2-methylphenol	158	052097	1000	98	0.2	0.05102	0.05110	1001.6	4.5	534-52-1	0.2mg/m3/6H (skin)	o/l-rat 10mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





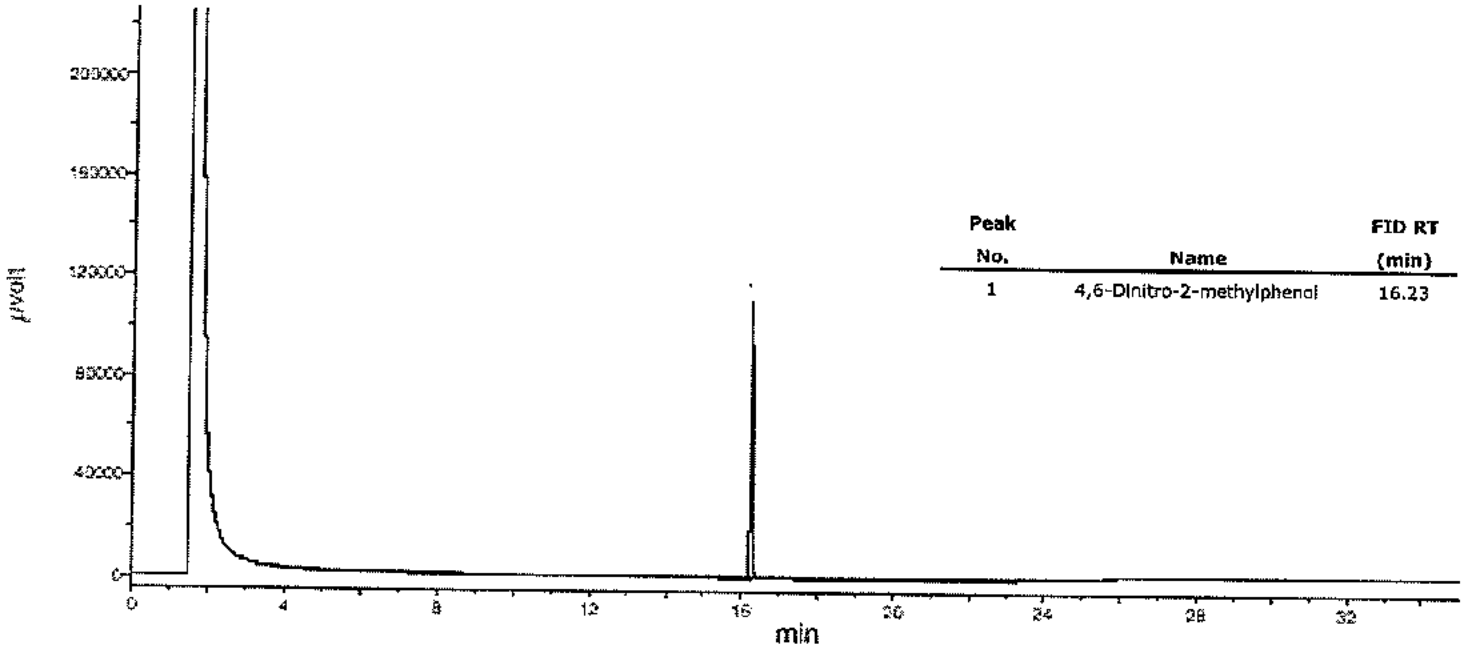
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 40, "P70158 L111919 [1000µg/mL in methanol]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Thu, Jan 9, 2020 at 3:51:34 PM.
Sampled: Sequence "010720-GC9M1", Method "GC9-M1".
Analyzed using Method "GC9-M1".

Comments

GC9-M1 Analysis by Melissa Stonier
Column ID Rtx-5 30 meter x 0.53mm x .5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 3



Peak No.	Name	FID RT (min)
1	4,6-Dinitro-2-methylphenol	16.23

Reagent

MSS_AB_4NP_00003

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70231
Lot Number: 072418
Description: 4-Nitrophenol

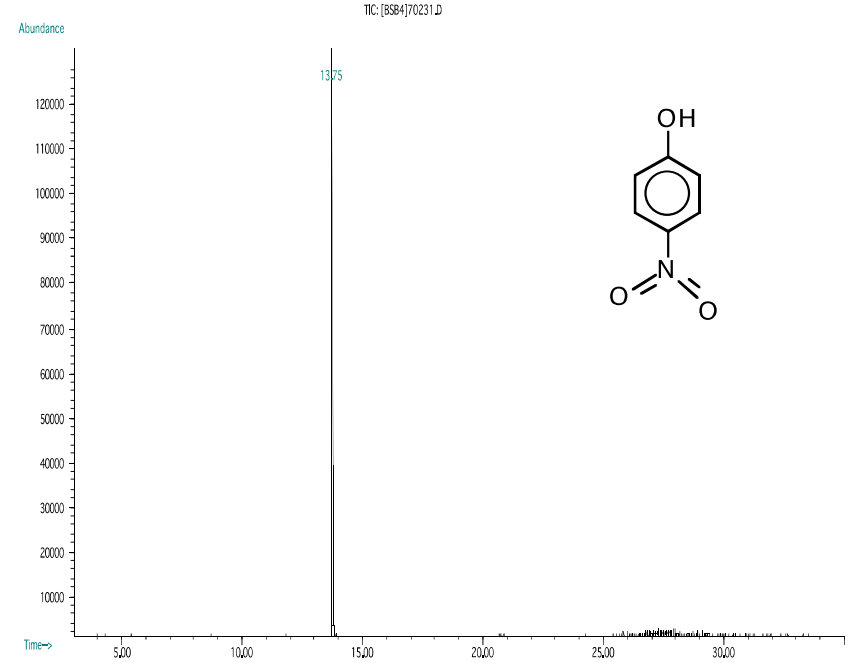
Solvent(s): Methanol **Lot#** DS526

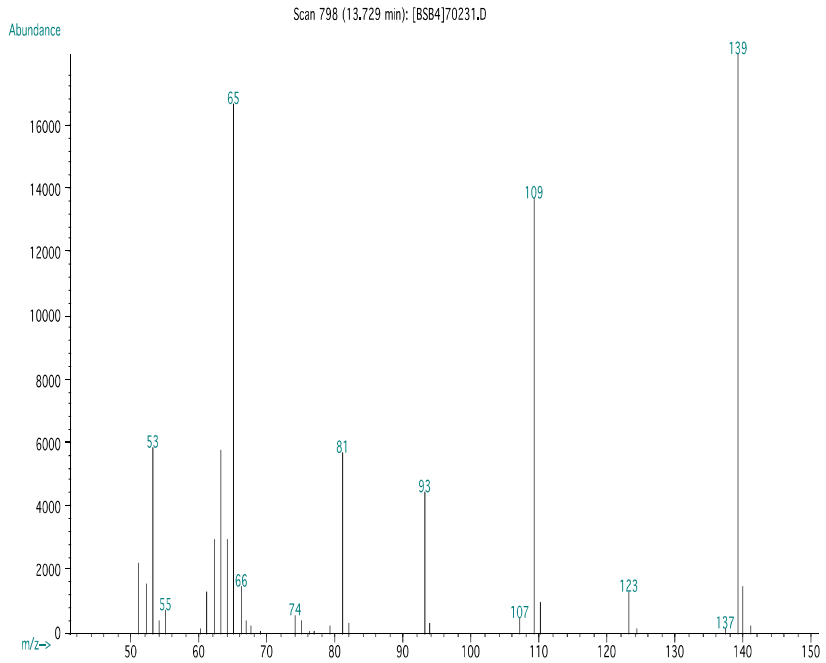
Expiration Date: 072423
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.001 Flask Uncertainty

Formulated By:	Eli Aliaga	072418 DATE
Reviewed By:	Pedro L. Rentas	072418 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 4-Nitrophenol	231	FGM01	1000	99	0.2	0.10102	0.10109	1000.7	4.2	100-02-7	N/A	orl-rat 250mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Reagent

MSS_AB_B2CEE_00003

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Analytical Reference Material ARM

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70075
Lot Number: 032318
Description: bis(2-Chloroethyl) ether

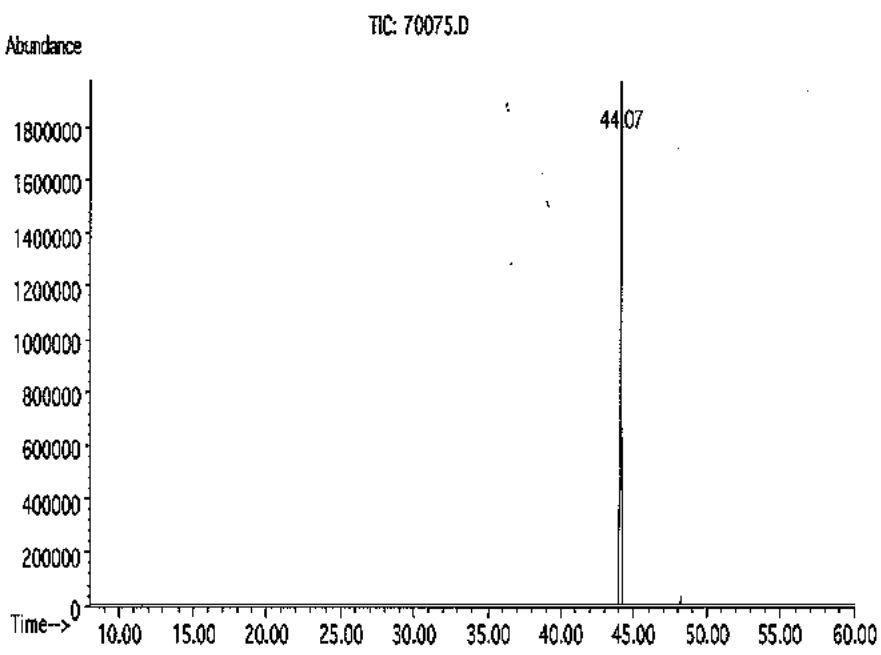
Solvent(s): Methanol **Lot#** DS435

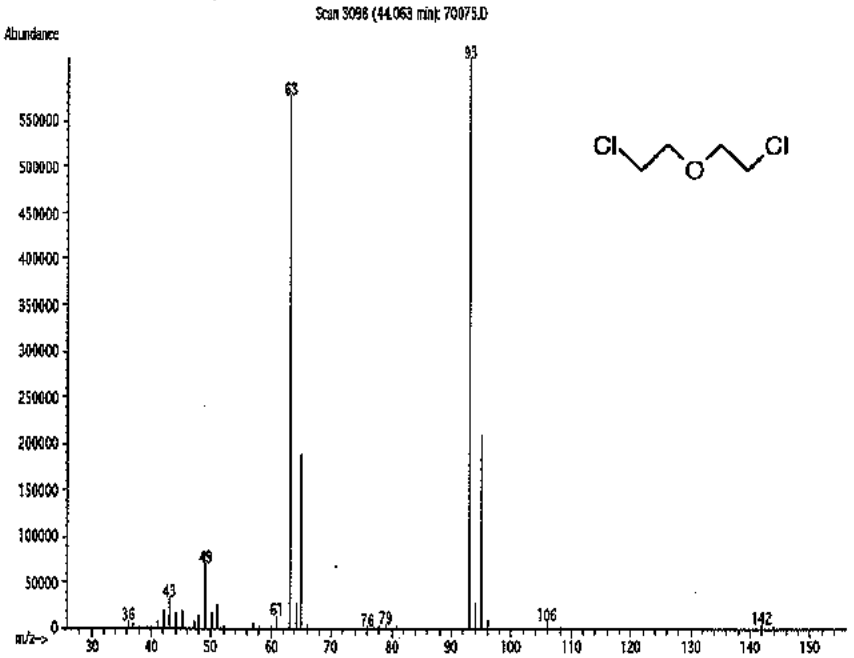
Expiration Date: 032323
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2506734D 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.007 Flask Uncertainty

		032318
Formulated By:	Mario Luis	DATE
		032318
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. bis(2-Chloroethyl) ether	75	98224AW	1000	99	0.2	0.05050	0.05063	1002.5	4.5	111-44-4	15 ppm (90mg/m3/6H)(skin)	orl-rat 75mg/kg

Method: GC6MSD1. **Detector:** MSD (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1=35°C (10 min.), Temp. 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=200°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_B2CEE_00005

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70075
Lot Number: 062419
Description: bis(2-Chloroethyl) ether

Solvent(s): **Lot#**
Methanol DU230-US

Expiration Date: 062424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

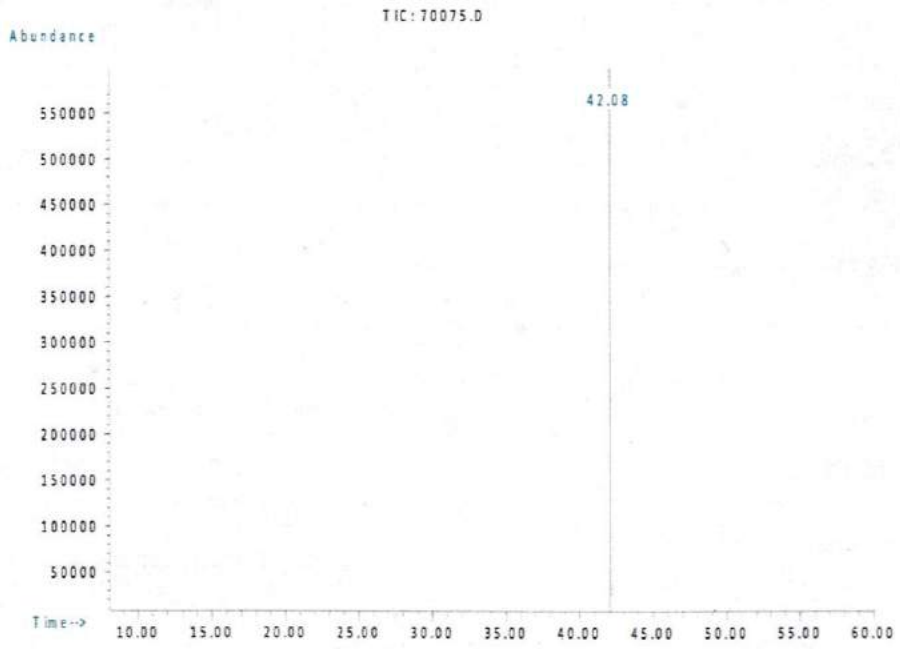
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0
0.002 Flask Uncertainty

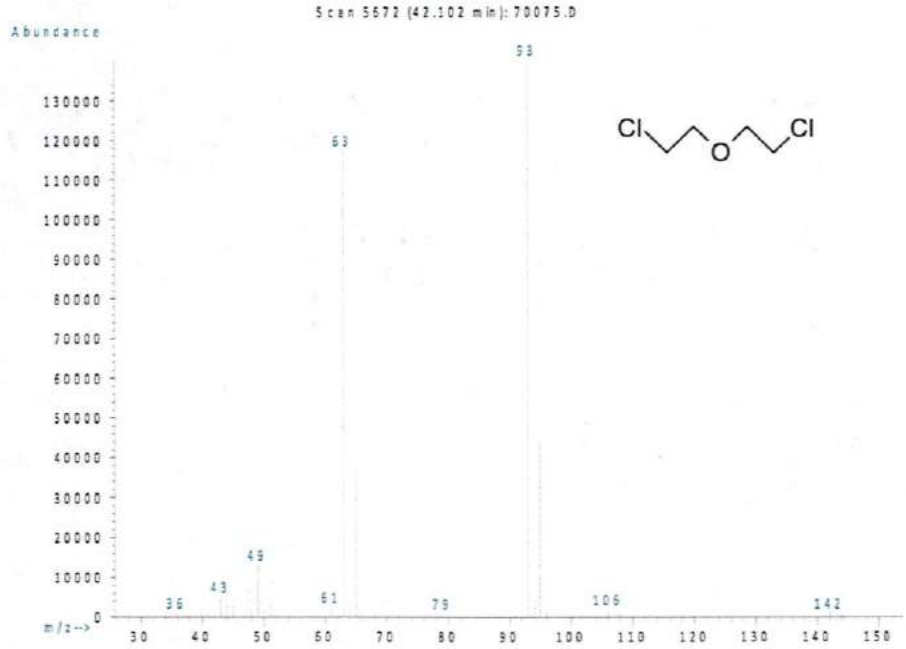
Gabriel Helland 062419
Formulated By: Gabriel Helland DATE

Pedro Rentas 062419
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. bis(2-Chloroethyl) ether	75	SHBJ2059	1000	99.8	0.2	0.03004	0.03006	1000.6	5.2	111-44-4	15 ppm (90mg/m3/8H)(skin)	orl-rat 75mg/kg

Method: GC16MSD1. **Detector:** MSD (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1=35°C (10 min.), Temp. 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=200°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_BZIDIN_00007

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

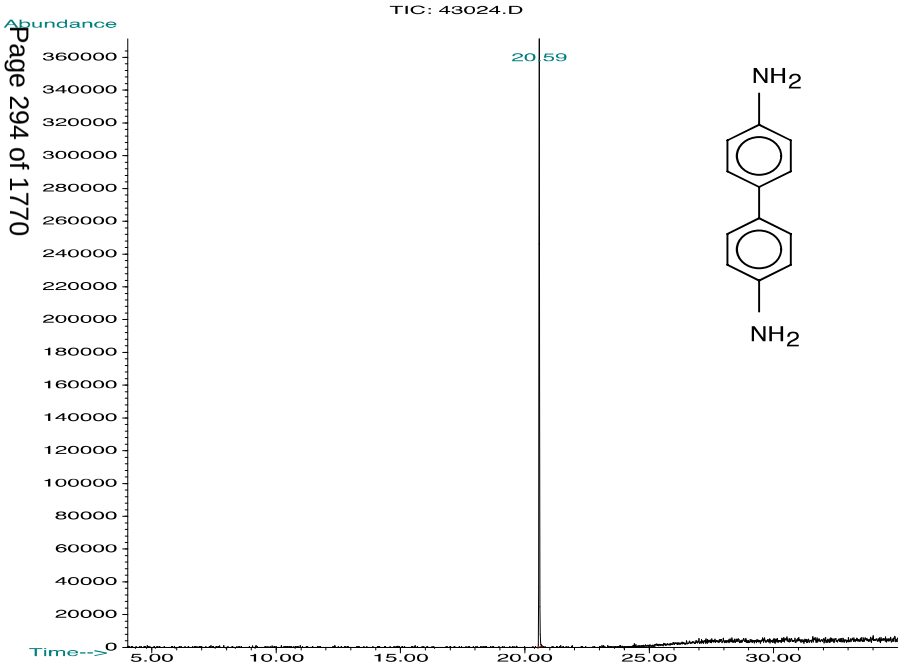
CERTIFIED WEIGHT REPORT

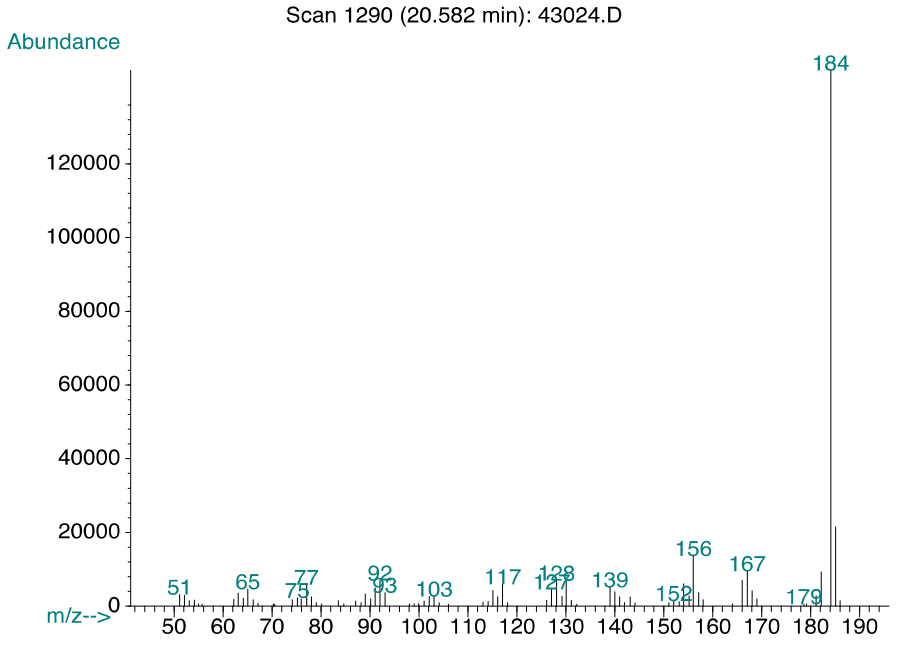
Part Number:	**43124**	**Solvent:**	**Lot#**	
Lot Number:	012920	Methylene chloride	104929	
Description:	Benzidine			
Expiration Date:	012923			
Recommended Storage:	Refrigerate (4 °C)			
Nominal Concentration (µg/mL):	5000			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	30.0	0.002	Flask Uncertainty	

Eli Aliaga		012920
Formulated By:	Eli Aliaga	DATE
Pedro Rentas		012920
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	5000	98	0.2	0.15318	0.15320	5000.7	20.7	92-87-5	N/A	orl-rat 309mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Nicole Davis.





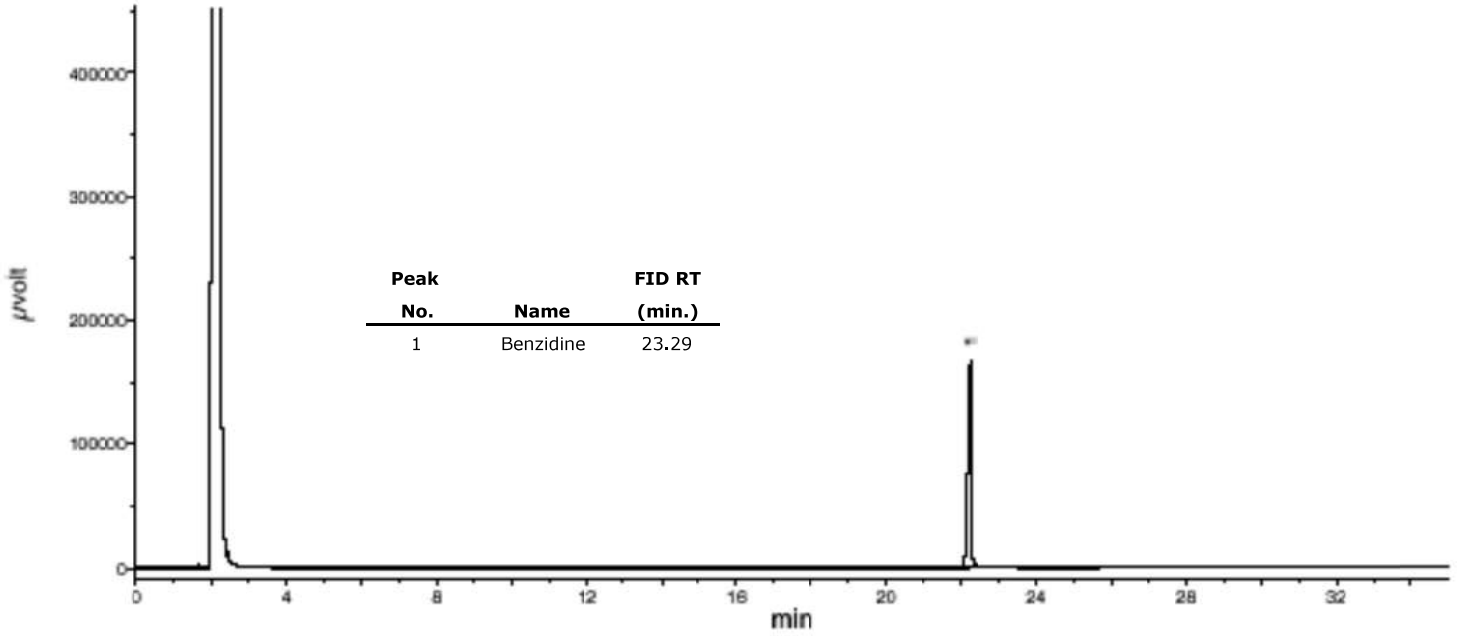
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 63, "P43124 L012920 [5000µg/mL in MeCl2]"

Run Length: 31.55 min, 18929 points at 10 points/second.
Created: Fri, Jan 31, 2020 at 11:15:27 AM.
Sampled: Sequence "012820-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 6



Peak No.	Name	FID RT (min.)
1	Benzidine	23.29

Reagent

MSS_AB_DFTPP_00013

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	**43030**	**Solvent(s):**	**Lot#**
Lot Number:	112519	Methylene chloride	102968
Description:	CLP Semi-Volatile Tuning Standard		
	4 components		
Expiration Date:	112522		
Recommended Storage:	Refrigerate (4 °C)		
Nominal Concentration (µg/mL):	500		
NIST Test ID#:	6UTB	5E-05 Balance Uncertainty	

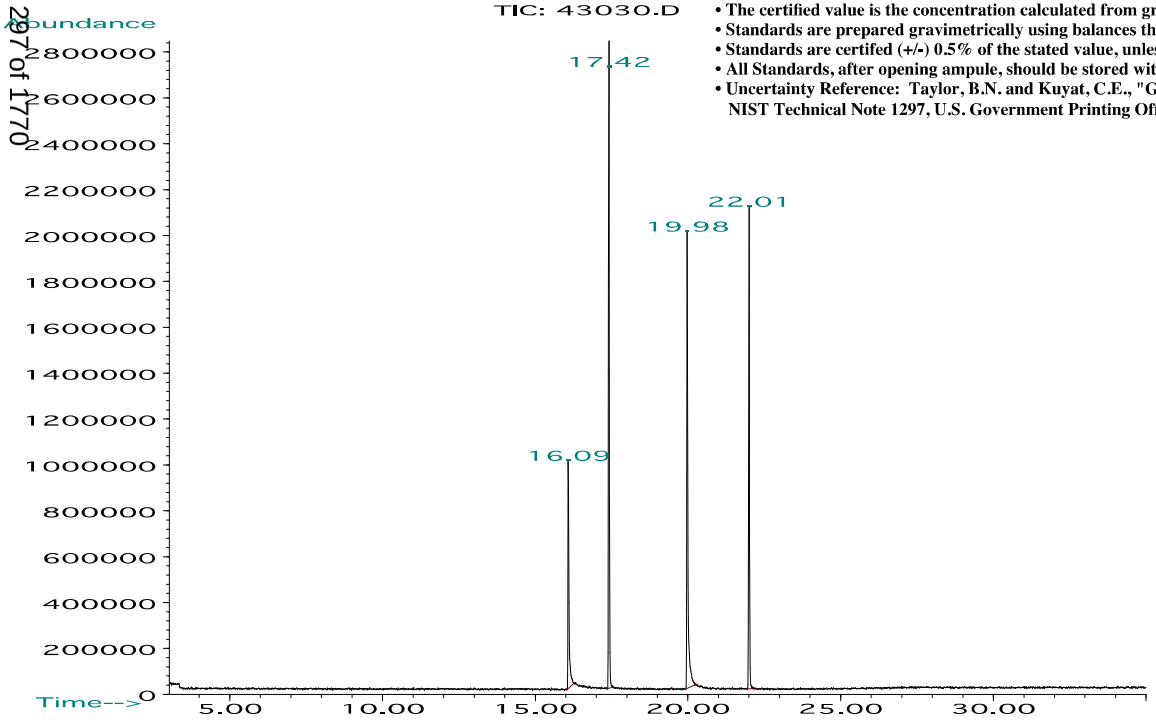
Weight(s) shown below were combined and diluted to (mL): 200.0 0.058 Flask Uncertainty

Formulated By:	Eli Aliaga	112519 DATE
Reviewed By:	Pedro L. Rentas	112519 DATE

CAUTION: Sonicate Before Use

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	500	98	0.2	0.10205	0.10220	500.7	2.1	92-87-5	N/A	orl-rat 309mg/kg
2. 4,4'-DDT	101	04029MM	500	99	0.2	0.10102	0.10115	500.6	2.1	50-29-3	N/A	orl-rat 87mg/kg
3. Decafluorotriphenylphosphine	105	10220909	500	97	0.2	0.10311	0.10325	500.7	2.1	5074-71-5	N/A	N/A
4. Pentachlorophenol	243	06324ED	500	98	0.2	0.10205	0.10220	500.7	2.1	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

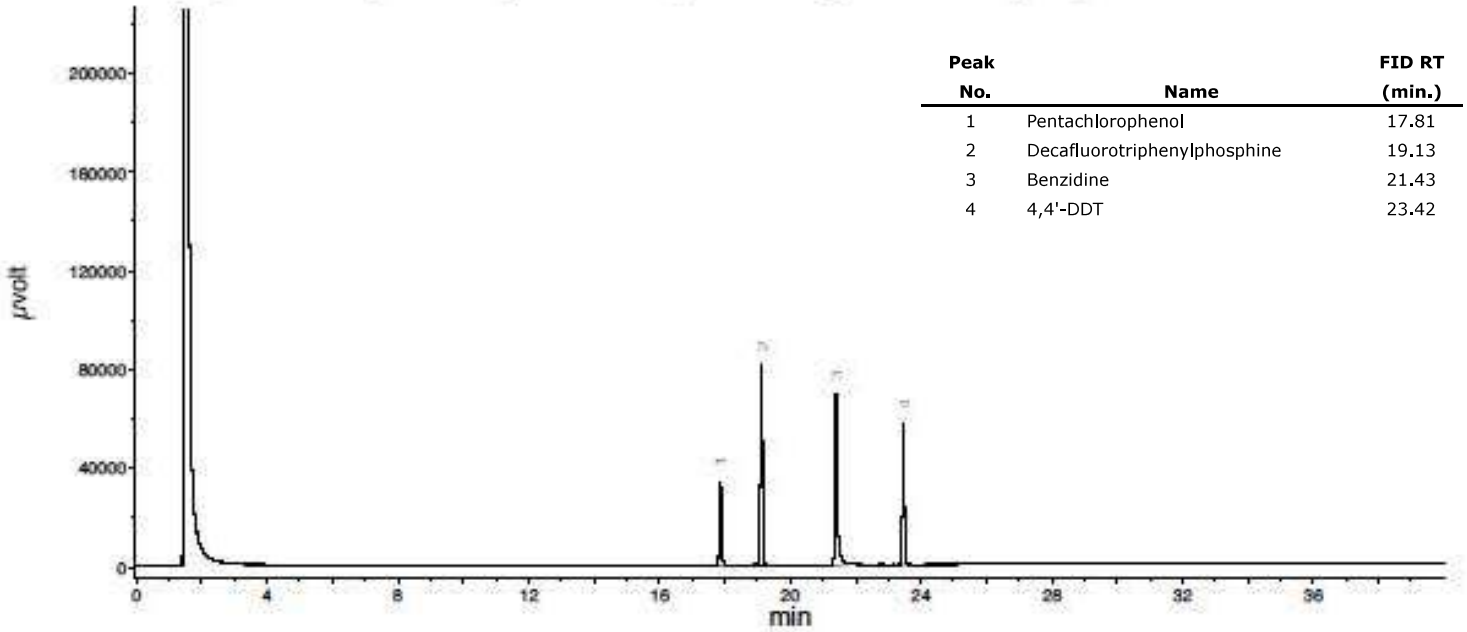
Retention Time (min.)	
Pentachlorophenol	16.09
Decafluorotriphenylphosphine	17.42
Benzidine	19.98
4,4'-DDT	22.01

Run 37, "P43030 L112519 [500µg/mL in MeCl2]"

Run Length: 40.00 min, 23999 points at 10 points/second.
Created: Fri, Nov 29, 2019 at 5:44:25 PM.
Sampled: Sequence "112819-GC4M2", Method "GC4-M2".
Analyzed using Method "GC4-M2".

Comments

GC4-M2 Analysis by Melissa Stonier
Column ID SPB-5 L#60062-01A 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) =360 mLOven Temp 1 = 50°C (1 min).
Rate = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes. Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 4



Peak No.	Name	FID RT (min.)
1	Pentachlorophenol	17.81
2	Decafluorotriphenylphosphine	19.13
3	Benzidine	21.43
4	4,4'-DDT	23.42

Reagent

MSS_AB_DFTPP_00015

CERTIFIED WEIGHT REPORT

Part Number: 43030
Lot Number: 052421
Description: CLP Semi-Volatile Tuning Standard
4 components
Expiration Date: 052424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 500
NIST Test ID#: 6UTB

Solvent(s): Methylene chloride **Lot#** 105345

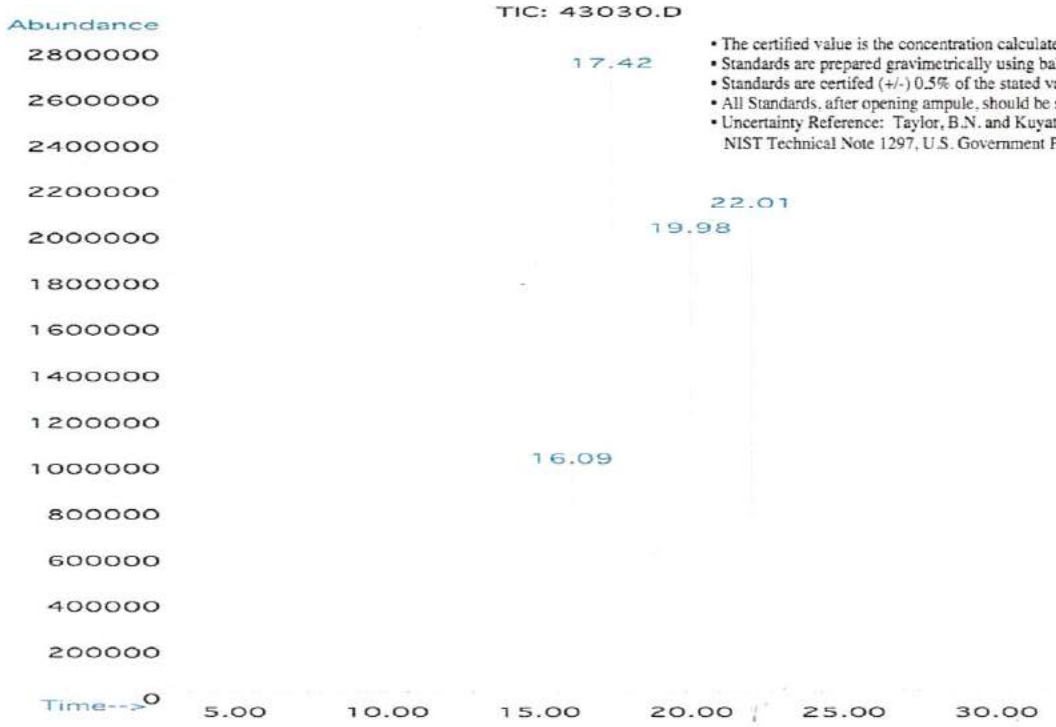
Formulated By:	Prashant Chauhan	052421 DATE
Reviewed By:	Pedro L. Rentas	052421 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 200.0 0.058 Flask Uncertainty

CAUTION: Sonicate Before Use

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Benzidine	27	SLBH5327V	500	98	0.2	0.10205	0.10225	501.0	2.1	92-87-5	N/A	orl-rat 309mg/kg
2.	4,4'-DDT	101	04029MM	500	99	0.2	0.10102	0.10120	500.9	2.1	50-29-3	N/A	orl-rat 87mg/kg
3.	Decafluorotriphenylphosphine	105	10220909	500	97	0.2	0.10311	0.10324	500.7	2.1	5074-71-5	N/A	N/A
4.	Pentachlorophenol	243	06324ED	500	98	0.2	0.10205	0.10221	500.8	2.1	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Retention Time (min.)

Pentachlorophenol	16.09
Decafluorotriphenylphosphine	17.42
Benzidine	19.98
4,4'-DDT	22.01

Reagent

MSS_AB_HCB_00008

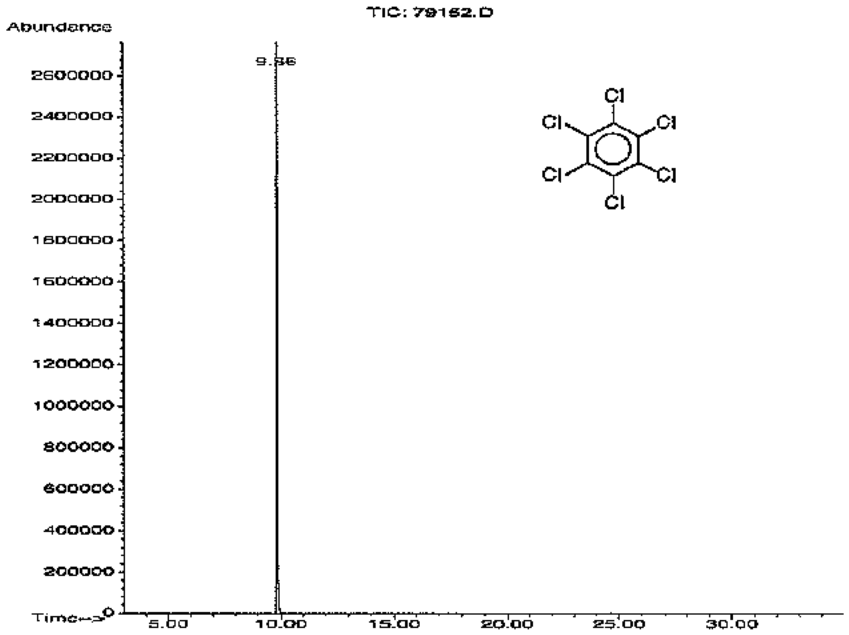
CERTIFIED WEIGHT REPORT

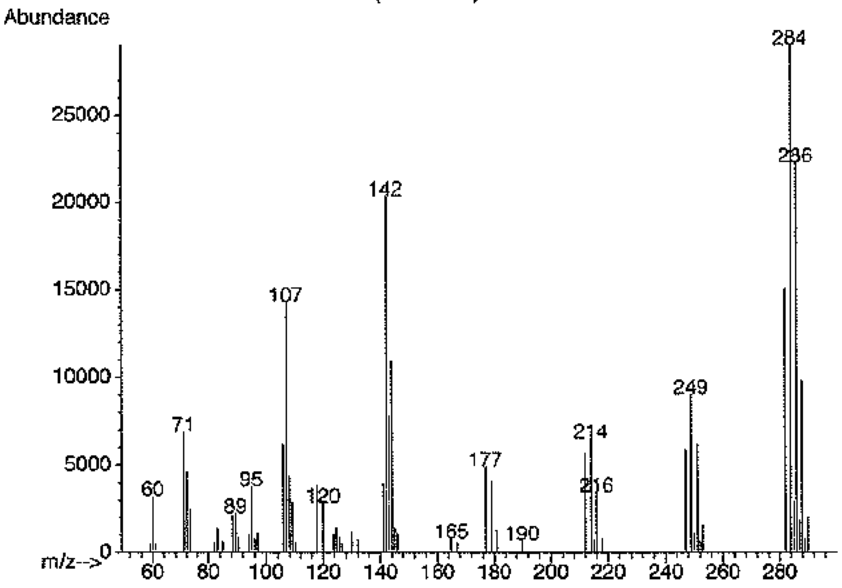
Part Number:	79152	**Solvent(s):**	**Lot#**
Lot Number:	060519	Methylene chloride	102968
Description:	Hexachlorobenzene		
Expiration Date:	060524		
Recommended Storage:	Refrigerate (4 °C)		
Nominal Concentration (µg/mL):	1000		
NIST Test ID#:	6UTB	5E-05 Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	30.0	0.002 Flask Uncertainty	

		060519
Formulated By:	Prashant Chauhan	DATE
		060519
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Hexachlorobenzene	195	051697	1000	99	0.2	0.03033	0.03050	1005.7	5.2	118-74-1	N/A	orl-rat 10g/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Nicole Davis.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_HCB_00009

CERTIFIED WEIGHT REPORT

Part Number: 79152
Lot Number: 062321
Description: Hexachlorobenzene

Expiration Date: 062326
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

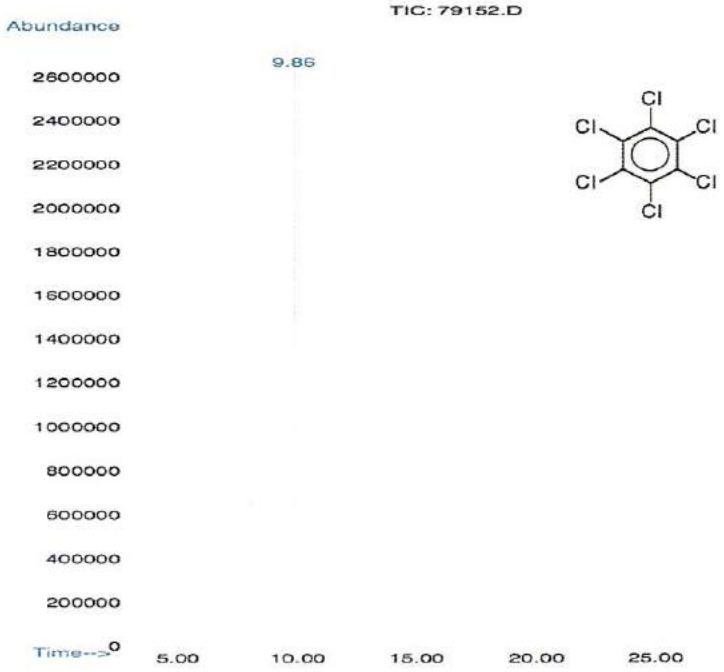
Solvent(s): **Lot#**
Methylene chloride 105345

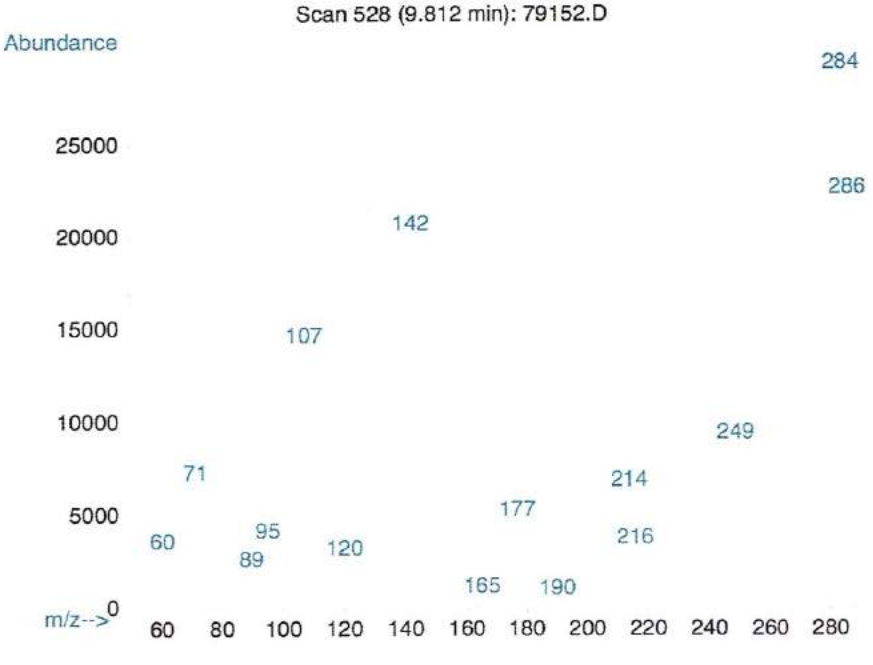
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Formulated By: Prashant Chauhan	062321 DATE
Reviewed By: Pedro L. Rentas	062321 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Hexachlorobenzene	195	051697	1000	99	0.2	0.03032	0.03045	1004.3	5.2	118-74-1	N/A	ori-rat 10g/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Nicole Davis.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_NITROS_00006

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19222
Lot Number: 042320
Description: EPA Method 8070 - Nitrosamines
3 components
Expiration Date: 042323
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s):	Lot#
Methanol	DX932-US

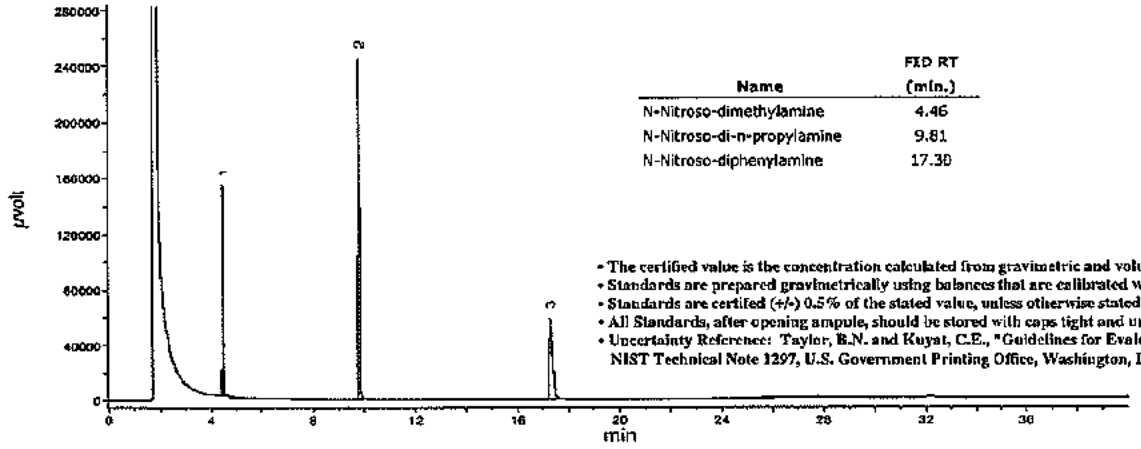
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.002 Flask Uncertainty

Formulated By: Mario Luis 042320 DATE

Reviewed By: Pedro L. Rentas 042320 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	N-Nitrosodimethylamine	233	101317	2000	98.5	0.2	0.05077	0.05080	2001.2	9.0	62-75-9	N/A	orl-rat 58mg/kg
2.	N-Nitrosodi-n-propylamine	232	OPAGF	2000	98	0.2	0.05103	0.05110	2002.8	9.1	621-64-7	N/A	orl-rat 480mg/kg
3.	N-Nitrosodiphenylamine	234	FGE01	2000	98	0.2	0.05103	0.05120	2006.7	9.1	86-30-6	N/A	orl-rat 2140mg/kg

Comments
GC4-M2 Analysis by Candice Warren
Column ID SPB-5 30 meter x 0.53mm x 0.5um Film Thickness.
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) =360 mLOven Temp 1 = 50°C (1 min).
Rate = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes. Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 4



Name	FID RT (min.)
N-Nitroso-dimethylamine	4.46
N-Nitroso-di-n-propylamine	9.81
N-Nitroso-diphenylamine	17.30

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_PAHSTD_00009

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

20
volume unit

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 93462
Lot Number: 060518
Description: PAH Standard
30 components
Expiration Date: 060523
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186

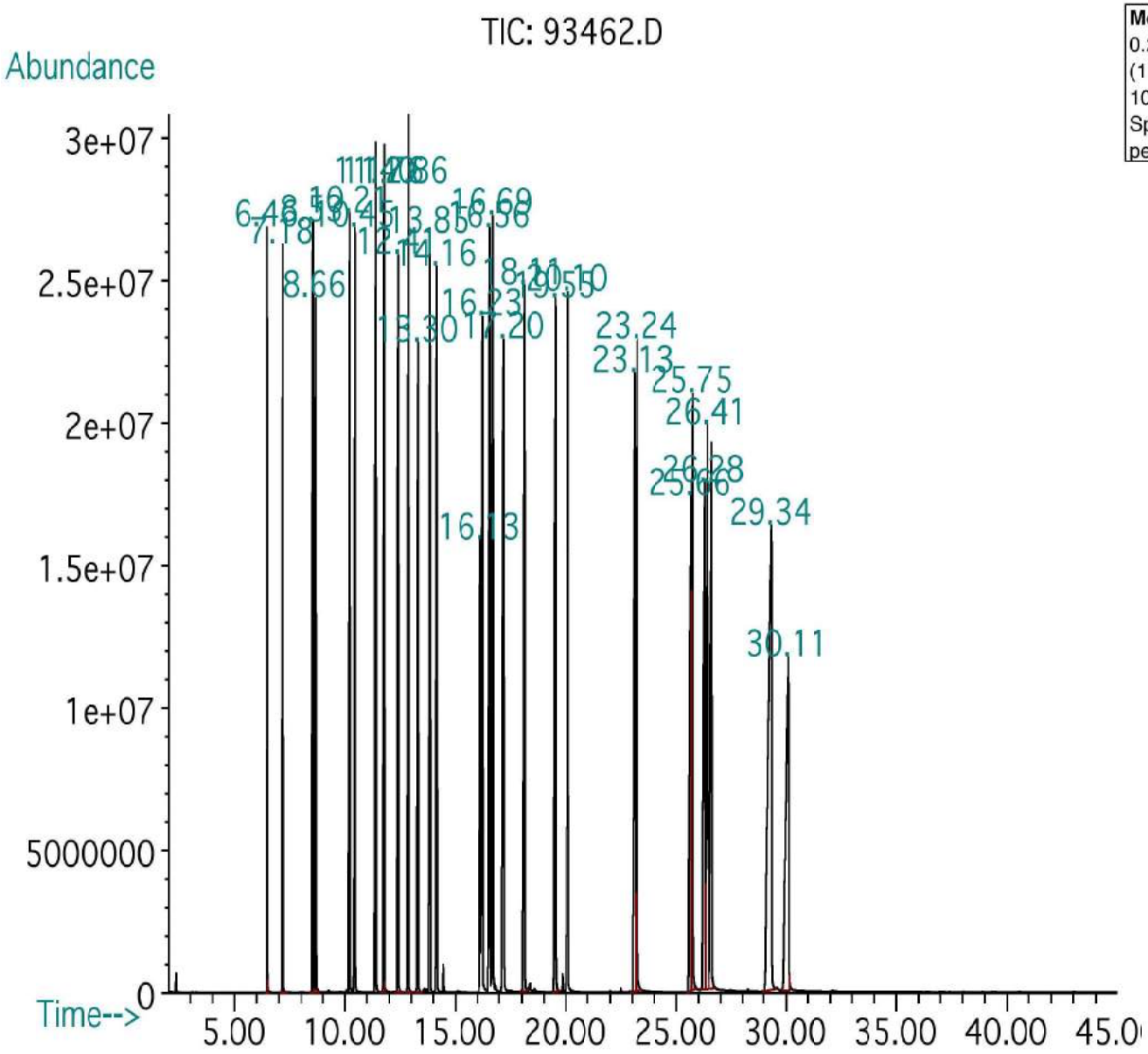
Solvent(s): Methylene chloride
Lot# 76782

5E-05 Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Mario Luis	060518 DATE
Reviewed By:	Pedro L. Rentas	060518 DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acenaphthene	10007	060118	0.50	10.00	0.006	2000.1	1000.8	4.2	83-32-9	N/A	ipr-rat 600mg/kg
2.	Acenaphthylene	10007	060118	0.50	10.00	0.006	2000.2	1000.8	4.2	208-96-8	N/A	N/A
3.	Anthracene	10007	060118	0.50	10.00	0.006	2000.3	1000.9	4.2	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
4.	Benzo(a)anthracene	10007	060118	0.50	10.00	0.006	2000.9	1001.2	4.2	56-55-3	N/A	N/A
5.	Benzo(a)pyrene	10007	060118	0.50	10.00	0.006	2000.3	1000.9	4.2	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
6.	Benzo(b)fluoranthene	10007	060118	0.50	10.00	0.006	2000.7	1001.1	4.2	205-99-2	N/A	N/A
7.	Benzo(k)fluoranthene	10007	060118	0.50	10.00	0.006	2000.6	1001.0	4.2	207-08-9	N/A	N/A
8.	Benzo(g,h,i)perylene	10007	060118	0.50	10.00	0.006	2000.4	1000.9	4.2	191-24-2	N/A	N/A
9.	Carbazole	10007	060118	0.50	10.00	0.006	2000.7	1001.1	4.3	86-74-8	N/A	ipr-mus 200mg/kg
10.	Chrysene	10007	060118	0.50	10.00	0.006	2000.4	1001.0	4.3	218-01-9	0.2mg/m3	N/A
11.	Dibenzo(a,h)anthracene	10007	060118	0.50	10.00	0.006	2000.5	1001.0	4.2	53-70-3	0.2mg/m3	N/A
12.	Fluoranthene	10007	060118	0.50	10.00	0.006	2000.5	1001.0	4.3	206-44-0	N/A	orl-rat 2000mg/kg
13.	Fluorene	10007	060118	0.50	10.00	0.006	2000.4	1001.0	4.3	86-73-7	N/A	ipr-mus 2 g/kg
14.	Indeno(1,2,3-cd)pyrene	10007	060118	0.50	10.00	0.006	2000.3	1000.9	4.2	193-39-5	N/A	N/A
15.	Naphthalene	10007	060118	0.50	10.00	0.006	2000.8	1001.2	4.2	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
16.	Phenanthrene	10007	060118	0.50	10.00	0.006	2000.8	1001.2	4.2	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
17.	Pyrene	10007	060118	0.50	10.00	0.006	2000.0	1000.8	4.3	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg
18.	Benzo(e)pyrene	94851	031416	0.50	10.00	0.006	2001.9	1001.7	4.3	192-97-2	N/A	N/A
19.	Biphenyl	94851	031416	0.50	10.00	0.006	2000.7	1001.1	4.3	92-52-4	0.2 ppm(1mg/m3/8H)	orl-rat 2400mg/kg
20.	Decalin (49% cis, 51% trans)	94851	031416	0.50	10.00	0.006	2002.1	1001.8	4.4	91-17-8	N/A	N/A
21.	Dibenzofuran	94851	031416	0.50	10.00	0.006	2001.3	1001.4	4.4	132-64-9	N/A	N/A
22.	Dibenzothiophene	94851	031416	0.50	10.00	0.006	2001.3	1001.4	4.4	132-65-0	N/A	orl-mus 470 mg/kg
23.	2,6-Dimethylnaphthalene	94851	031416	0.50	10.00	0.006	2004.9	1003.2	4.4	581-42-0	N/A	N/A
24.	1-Methylnaphthalene	94851	031416	0.50	10.00	0.006	2003.5	1002.5	4.4	90-12-0	N/A	orl-rat 1840mg/kg
25.	2-Methylnaphthalene	94851	031416	0.50	10.00	0.006	2006.1	1003.8	4.4	91-57-6	N/A	orl-rat 1630mg/kg
26.	1-Methylphenanthrene	94851	031416	0.50	10.00	0.006	2004.4	1002.9	10.2	832-69-9	N/A	N/A
27.	Pentachlorophenol	94851	031416	0.50	10.00	0.006	2006.6	1004.0	4.4	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg
28.	Perylene	94851	031416	0.50	10.00	0.006	2002.1	1001.8	4.4	198-55-0	N/A	N/A
29.	Thianaphthene	94851	031416	0.50	10.00	0.006	2003.9	1002.7	4.4	95-15-8	N/A	N/A
30.	2,3,5-Trimethylnaphthalene	94851	031416	0.50	10.00	0.006	2002.9	1002.2	4.5	2245-38-7	N/A	N/A

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**



Method GC8MSD-2Long: Column:SPB-5 (30m X 0.25mm ID X 0.25μm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.

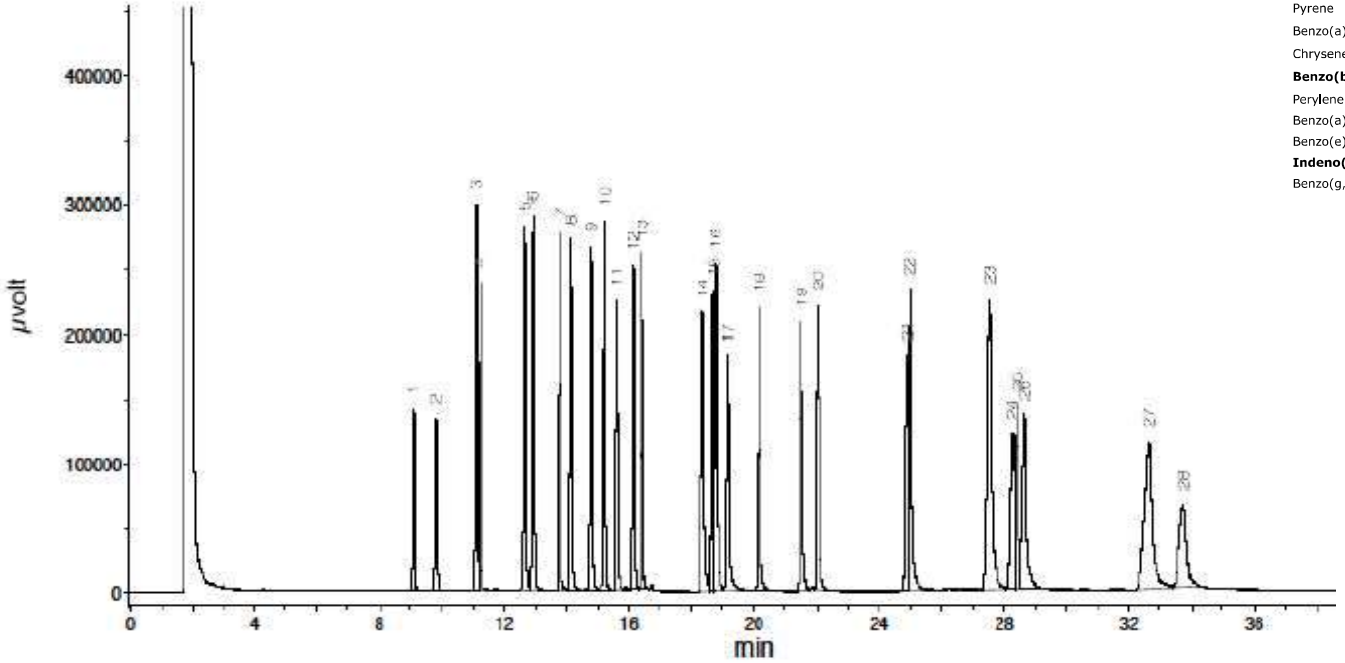
Retention Time (min.)	
Decahydronaphthalene (Decalin) (isomer)	6.46
Decahydronaphthalene (Decalin) (isomer)	7.18
Naphthalene	8.53
Thianaphthene	8.66
2-Methylnaphthalene	10.21
1-Methylnaphthalene	10.45
Biphenyl	11.4
2,6-Dimethylnaphthalene	11.76
Acenaphthylene	12.41
Acenaphthene	12.86
Dibenzofuran	13.3
2,3,5-Trimethylnaphthalene	13.85
Fluorene	14.16
Pentachlorophenol	16.13
Dibenzothiophene	16.23
Phenanthrene	16.56
Anthracene	16.69
Carbazole	17.2
1-Methylphenanthrene	18.11
Fluoranthene	19.55
Pyrene	20.1
Benzo(a)anthracene	23.13
Chrysene	23.24
Benzo(b)fluoranthene	25.66
Benzo(k)fluoranthene	25.75
Perylene	26.28
Benzo(a)pyrene	26.41
Benzo(e)pyrene	26.61
Indeno(1,2,3-cd)pyrene	29.34
Dibenzo(a,h)anthracene	29.34
Benzo(g,h,i)perylene	30.11

Run 3, "P93462 L060518 [1000µg/mL in MeCl2]"

Run Length: 40.00 min, 23999 points at 10 points/second.
Created: Wed, Jun 6, 2018 at 1:01:41 PM.
Sampled: Sequence "060618-GC9M2", Method "GC9-M2".
Analyzed using Method "GC9-M2".

Comments

GC9-M2 Analysis by Candice Warren
Column ID SPB-5 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) =360 mLOven Temp 1 = 50°C (1 min).
Rate = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes. Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 4



Name	FID RT (min.)
Decahydronaphthalene (Decalin) (isomer)	9.10
Decahydronaphthalene (Decalin) (isomer)	9.81
Naphthalene	11.10
Thianaphthene	11.23
2-Methylnaphthalene	12.67
1-Methylnaphthalene	12.93
Biphenyl	13.77
2,6-Dimethylnaphthalene	14.13
Acenaphthylene	14.78
Acenaphthene	15.22
Dibenzofuran	15.59
2,3,5-Trimethylnaphthalene	16.12
Fluorene	16.41
Pentachlorophenol/Dibenzothiophene	**18.36**
Phenanthrene	18.66
Anthracene	18.77
Carbazole	19.15
1-Methylphenanthrene	20.14
Fluoranthene	21.50
Pyrene	22.03
Benzo(a)anthracene	24.89
Chrysene	24.99
Benzo(b)fluoranthene/Benzo(k)fluoranthene	**27.54**
Perylene	28.26
Benzo(a)pyrene	28.40
Benzo(e)pyrene	28.65
Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	**32.63**
Benzo(g,h,i)perylene	33.73

Reagent

MSS_AB_PCP_00003

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

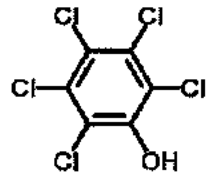
Part Number:	79261	**Solvent(s):**	**Lot#**
Lot Number:	102717	Acetone	81025
Description:	Pentachlorophenol		
Expiration Date:	102722		
Recommended Storage:	Refrigerate (4 °C)		
Nominal Concentration (µg/mL):	1000		
NIST Test ID#:	2506734D	5E-05 Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	100.0	0.057 Flask Uncertainty	

		102717
Formulated By:	Mario Luis	DATE
		102717
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Pentachlorophenol	243	06324ED	1000	98	0.2	0.10205	0.10223	1001.8	4.4	87-86-5	0.5mg/m3/9H (skin)	orl-rat 27mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method: EPA8150
Column: Discovery C_{18} (150mm X 4.6mm ID X 5µm df)
Flow Rate= 1.0mL/min.
Column Temp.= 43°C
Injection Volume=1.0µL
Mobile Phase:
Solvent A=0.001% Acetic acid & 5mM KH_2PO_4 in Water
Solvent B=0.001% Acetic acid in Methanol:Acetonitrile (1:1)
Gradient Profile:
Time=00: 85%A:15%B
Time=16: 50%A:50%B
Time=20: 45%A:55%B
Time=25: 35%A:65%B
Time=27: 35%A:65%B
Time=32: 85%A:15%B
Detector: PDA (Sample=210,04 Reference=360,100)
Analyst: Pedro Rentas



Peak No.	Analyte	PDA RT (min.)
1	Pentachlorophenol	27.7

Reagent

MSS_AB_PHTHAL_00004

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **19242**
Lot Number: 102720
Description: EPA Method 606 - Phthalate Esters
6 components
Expiration Date: 102723
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 23060

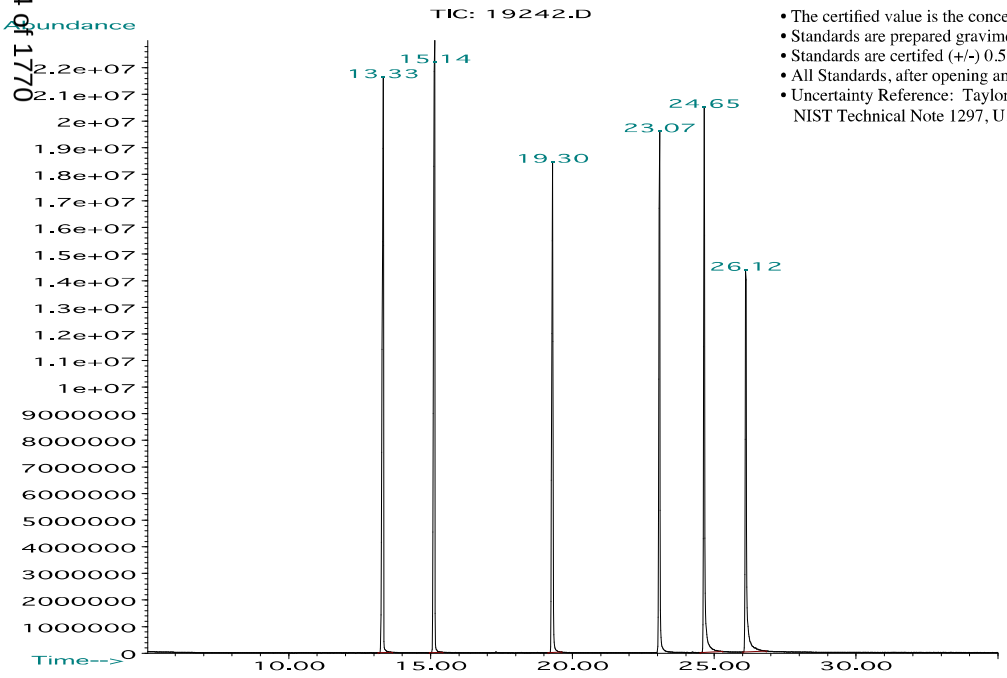
Solvent(s): **Lot#**
Methanol DX932-US

		102720
Formulated By:	Benson Chan	DATE
		102720
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.002 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	bis(2-Ethylhexyl) phthalate	179	05312JE	2000	99	0.2	0.05051	0.05059	2003.1	9.0	117-81-7	5mg/m3/8H	orl-rat 30000mg/kg
2.	Di-n-butyl phthalate	58	09119LX	2000	99	0.2	0.05051	0.05059	2003.1	9.0	84-74-2	5mg/m3/8H	orl-rat 8000mg/kg
3.	Dimethyl phthalate	157	07416AT	2000	99	0.2	0.05051	0.05080	2011.4	9.0	131-11-3	5mg/m3/8H	orl-rat 6800mg/kg
4.	Benzyl butyl phthalate	36	MKBH8959V	2000	98	0.2	0.05103	0.05110	2002.8	9.1	85-68-7	N/A	orl-rat 2330mg/kg
5.	Diethyl phthalate	154	10517MW	2000	99	0.2	0.05051	0.05062	2004.3	9.0	84-66-2	5mg/m3/8H	orl-rat 8600mg/kg
6.	Di-n-octyl phthalate	107	FIE01	2000	99	0.2	0.05051	0.05057	2002.3	9.0	117-84-0	N/A	orl-rat 47000mg/kg

Method GC8MSD-3.M: Column: SPB-5 (30m X 0.25mm ID X 0.25µm film thickness), Temp 1 = 50°C (1 min.), Temp 2 = 300°C 9 min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 300°C.Split Ratio = 100:1, Sample Rate=2. 0.5µL Standard injection Analysis performed by Melissa Stonier.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Peak No.	Name	MSD RT (min.)
1	Dimethyl phthalate	13.33
2	Diethyl phthalate	15.14
3	Di-n-butyl phthalate	19.30
4	Benzyl butyl phthalate	23.07
5	bis(2-Ethylhexyl) phthalate	24.65
6	Di-n-octyl phthalate	26.12

Page 314 of 1770

Reagent

MSS_AB_QUIN_00006

CERTIFIED WEIGHT REPORT

Part Number: **70353**
Lot Number: 060419
Description: Quinoline

Expiration Date: 060422
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

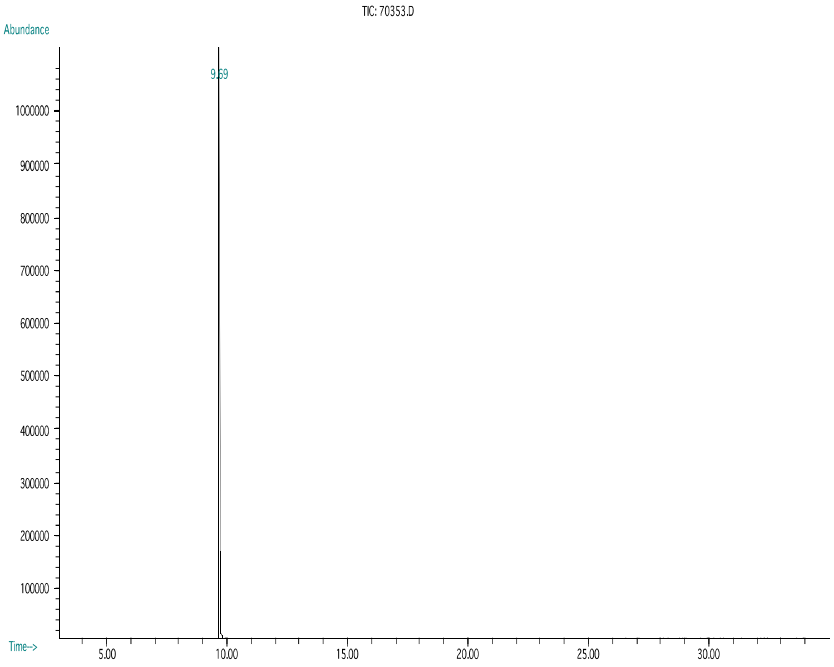
Solvent(s): **Lot#**
Methylene chloride 102968

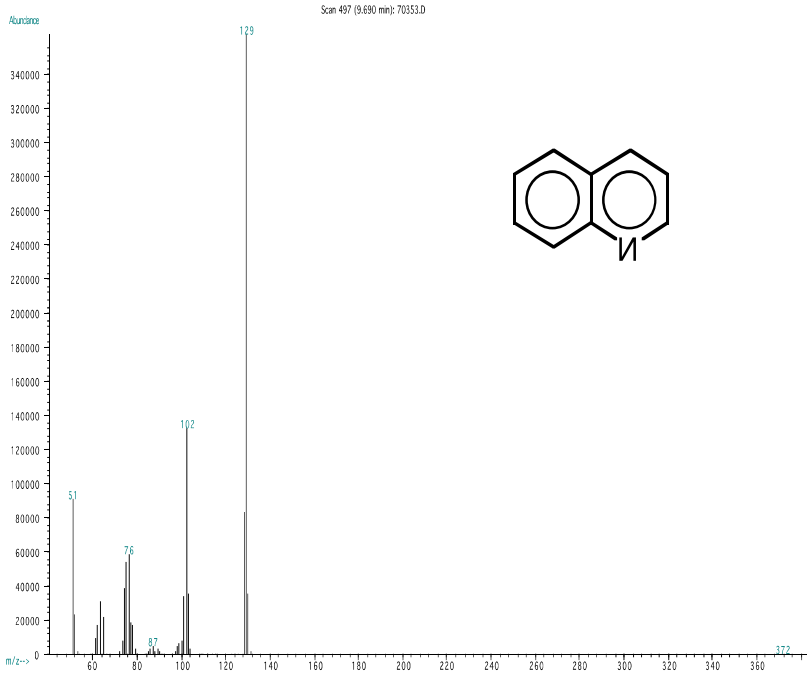
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 200.0 0.058 Flask Uncertainty

Formulated By: Prashant Chauhan	060419 DATE
Reviewed By: Pedro L. Rentas	060419 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Quinoline	353	01501KY	1000	98	0.2	0.20411	0.20440	1001.4	4.2	91-22-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



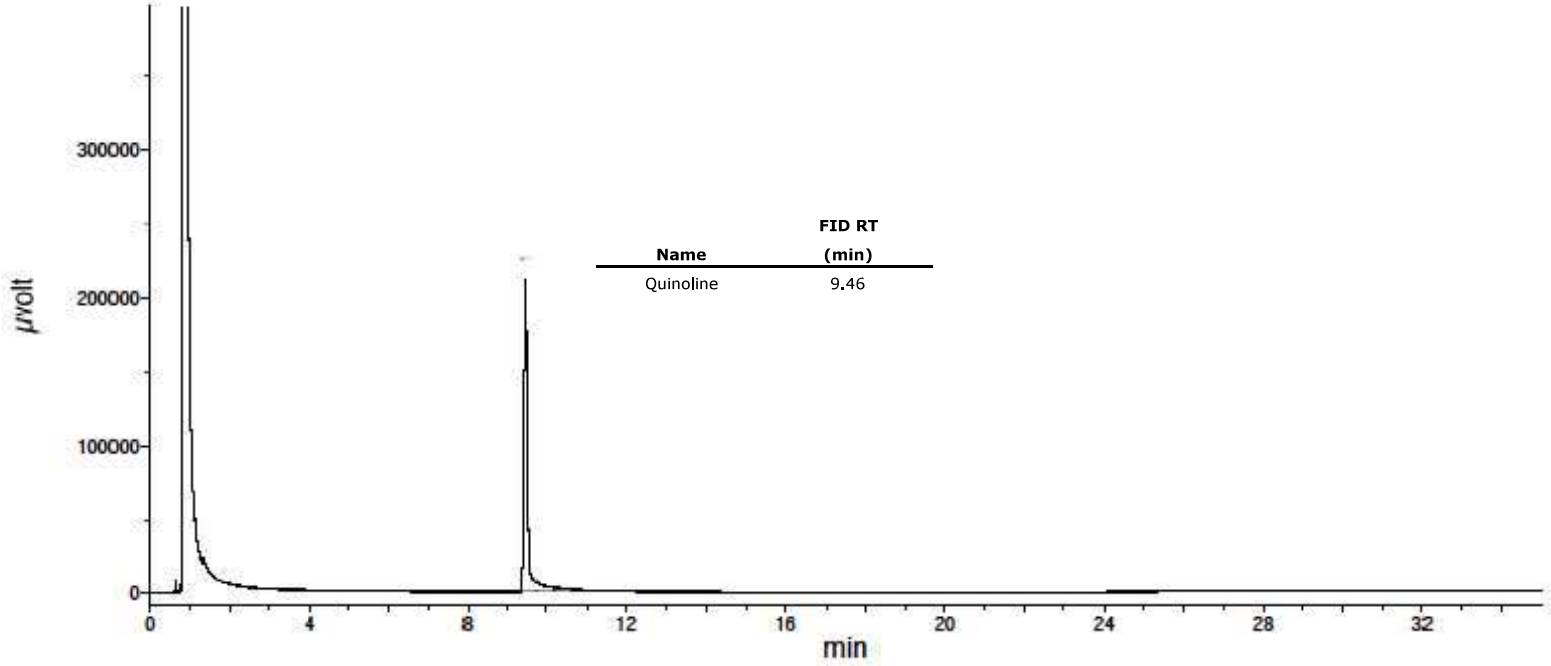


- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Run 19, "P70353 L060419 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Wed, Jun 5, 2019 at 1:07:08 AM.
Sampled: Sequence "060419-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments
GC4-M1 Analysis by Candice Warren
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 3



Reagent

MSS_AB_QUIN_00007

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70353
Lot Number: 061820
Description: Quinoline

Expiration Date: 061823
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

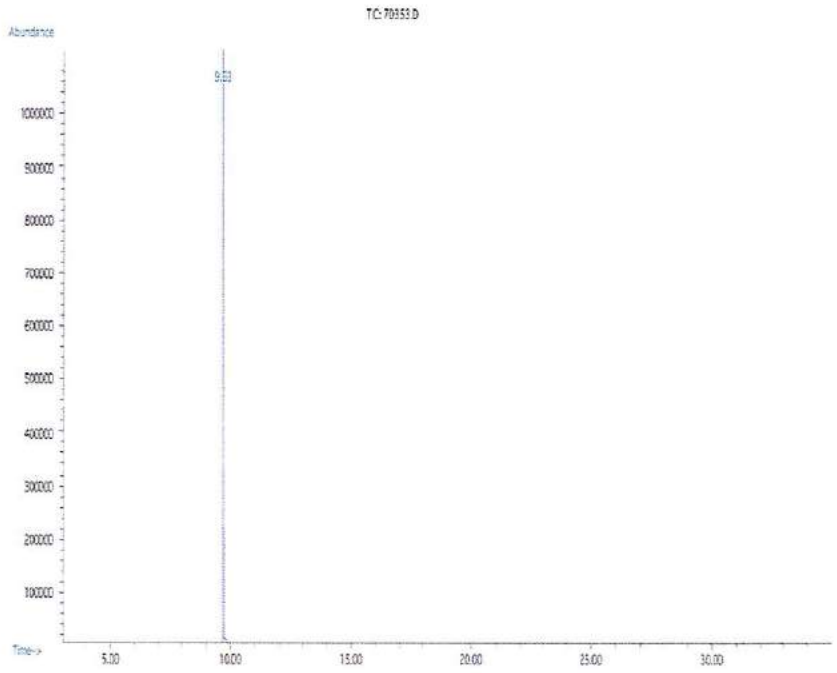
Solvent(s): **Lot#**
Methylene chloride 104929

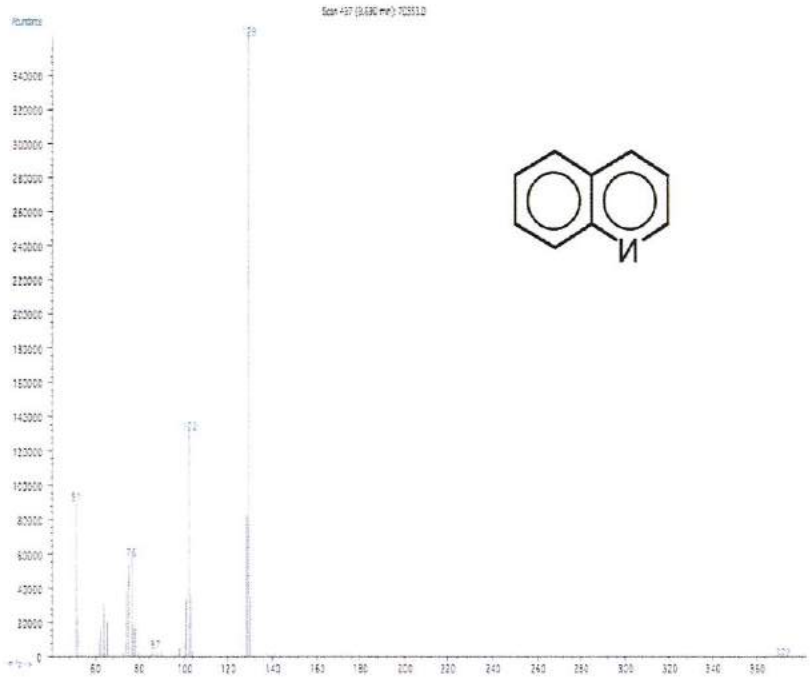
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.003 Flask Uncertainty

Formulated By: Prashant Chauhan	061820 DATE
Reviewed By: Pedro L. Rentas	061820 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Quinoline	353	01501KY	1000	98	0.2	0.10205	0.10215	1001.0	4.2	91-22-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_FV8270_IS_00005

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Composition

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 576940 **Lot No.:** A0166482

Description : Custom Internal Standard

Custom Internal Standard 1,000µg/mL, Methylene chloride, 1mL/ampul

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

Expiration Date : November 30, 2023 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dichlorobenzene-d4	1,001.3 µg/mL	+/- 5.8215	µg/mL	Gravimetric
	CAS # 3855-82-1 (Lot PR-30447)		+/- 45.0977	µg/mL	Unstressed
	Purity 99%		+/- 50.0414	µg/mL	Stressed
2	Naphthalene-d8	1,003.7 µg/mL	+/- 5.8358	µg/mL	Gravimetric
	CAS # 1146-65-2 (Lot M-1452)		+/- 45.2087	µg/mL	Unstressed
	Purity 99%		+/- 50.1647	µg/mL	Stressed
3	Acenaphthene-d10	1,005.7 µg/mL	+/- 5.8474	µg/mL	Gravimetric
	CAS # 15067-26-2 (Lot PR-30913)		+/- 45.2988	µg/mL	Unstressed
	Purity 99%		+/- 50.2646	µg/mL	Stressed
4	Phenanthrene-d10	1,006.9 µg/mL	+/- 5.8540	µg/mL	Gravimetric
	CAS # 1517-22-2 (Lot PR-29119)		+/- 45.3499	µg/mL	Unstressed
	Purity 99%		+/- 50.3213	µg/mL	Stressed
5	Pyrene-d10	1,008.7 µg/mL	+/- 5.8649	µg/mL	Gravimetric
	CAS # 1718-52-1 (Lot PR-30304)		+/- 45.4340	µg/mL	Unstressed
	Purity 99%		+/- 50.4146	µg/mL	Stressed
6	Perylene-d12	1,004.0 µg/mL	+/- 5.8373	µg/mL	Gravimetric
	CAS # 1520-96-3 (Lot PR-30020)		+/- 45.2208	µg/mL	Unstressed
	Purity 99%		+/- 50.1780	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

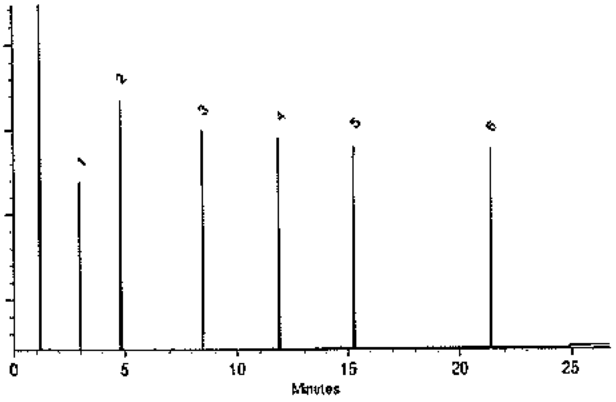
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



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

Tom Suckar - Mix Technician

Date Mixed: 18-Nov-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 19-Nov-2020

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

Reagent

MSS_SIM_SURR_00006

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569089 **Lot No.:** A0168817

Description : Custom SIM Surrogates Standard

Custom SIM Surrogates Standard 1,000µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : January 31, 2027 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

C E R T I F I E D V A L U E S

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1-Methylnaphthalene-d10	1,004.0 µg/mL	+/- 10.1140 µg/mL	Gravimetric
	CAS # 38072-94-5 (Lot M-483)		+/- 45.9689 µg/mL	Unstressed
	Purity 99%		+/- 50.8532 µg/mL	Stressed
2	Benzo(a)pyrene-d12	1,004.0 µg/mL	+/- 10.1140 µg/mL	Gravimetric
	CAS # 63466-71-7 (Lot PR-30235)		+/- 45.9689 µg/mL	Unstressed
	Purity 99%		+/- 50.8532 µg/mL	Stressed
3	Fluoranthene-d10	1,004.0 µg/mL	+/- 10.1140 µg/mL	Gravimetric
	CAS # 93951-69-0 (Lot PR-20668)		+/- 45.9689 µg/mL	Unstressed
	Purity 99%		+/- 50.8532 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 05-Feb-2021 **Balance:** B442140311

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSS_SIMTEL_IS_00010

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31206 **Lot No.:** A0170322

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

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

Expiration Date : February 28, 2027 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dichlorobenzene-d4		2,019.3 µg/mL	+/- 11.7406	µg/mL	Gravimetric
	CAS # 3855-82-1	(Lot PR-30447)		+/- 90.9520	µg/mL	Unstressed
	Purity 99%			+/- 100.9225	µg/mL	Stressed
2	Naphthalene-d8		2,015.3 µg/mL	+/- 11.7173	µg/mL	Gravimetric
	CAS # 1146-65-2	(Lot M-1452)		+/- 90.7718	µg/mL	Unstressed
	Purity 99%			+/- 100.7225	µg/mL	Stressed
3	Acenaphthene-d10		2,010.0 µg/mL	+/- 11.6863	µg/mL	Gravimetric
	CAS # 15067-26-2	(Lot PR-30913)		+/- 90.5316	µg/mL	Unstressed
	Purity 99%			+/- 100.4560	µg/mL	Stressed
4	Phenanthrene-d10		2,012.7 µg/mL	+/- 11.7018	µg/mL	Gravimetric
	CAS # 1517-22-2	(Lot PR-29119)		+/- 90.6517	µg/mL	Unstressed
	Purity 99%			+/- 100.5893	µg/mL	Stressed
5	Chrysene-d12		2,020.0 µg/mL	+/- 11.7445	µg/mL	Gravimetric
	CAS # 1719-03-5	(Lot PR-31391)		+/- 90.9820	µg/mL	Unstressed
	Purity 99%			+/- 100.9558	µg/mL	Stressed
6	Perylene-d12		2,018.0 µg/mL	+/- 11.7328	µg/mL	Gravimetric
	CAS # 1520-96-3	(Lot PR-30020)		+/- 90.8919	µg/mL	Unstressed
	Purity 99%			+/- 100.8558	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

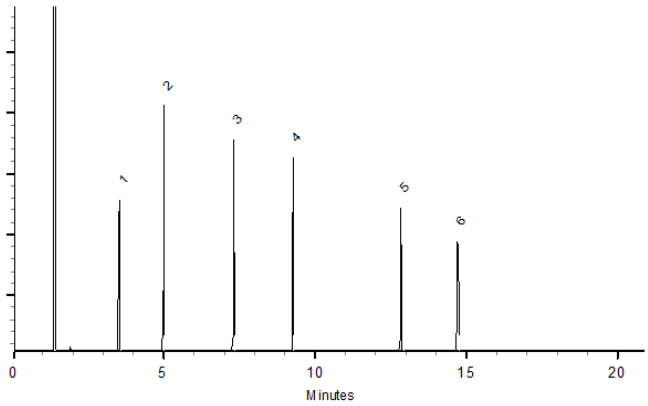
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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

Cory Meyer - Operations Tech I

Date Mixed: 18-Mar-2021 **Balance:** B345965662

Justine Albertson - Operations Tech-ARM QC

Date Passed: 23-Mar-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_4BFB_NEAT_00005

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

4-Bromofluorobenzene

CATALOG NUMBER	N-10809-1G
LOT NUMBER	11130200
DATE CERTIFIED	02/03/20
EXPIRATION DATE	02/28/25
CAS NUMBER	460-00-4
MOLECULAR FORMULA	C6H4BrF
MOLECULAR WEIGHT	175.00
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
GC/MS SPECTRA ID	MATCHES NIST
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
% PURITY (GC/FID)	99.5
PHYSICAL APPEARANCE	COLORLESS LIQUID

LLR 2032
2-16-21

COA Form
Revision 3 (3/2015)

PJLA Testing

Print Date: 06/07/21

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

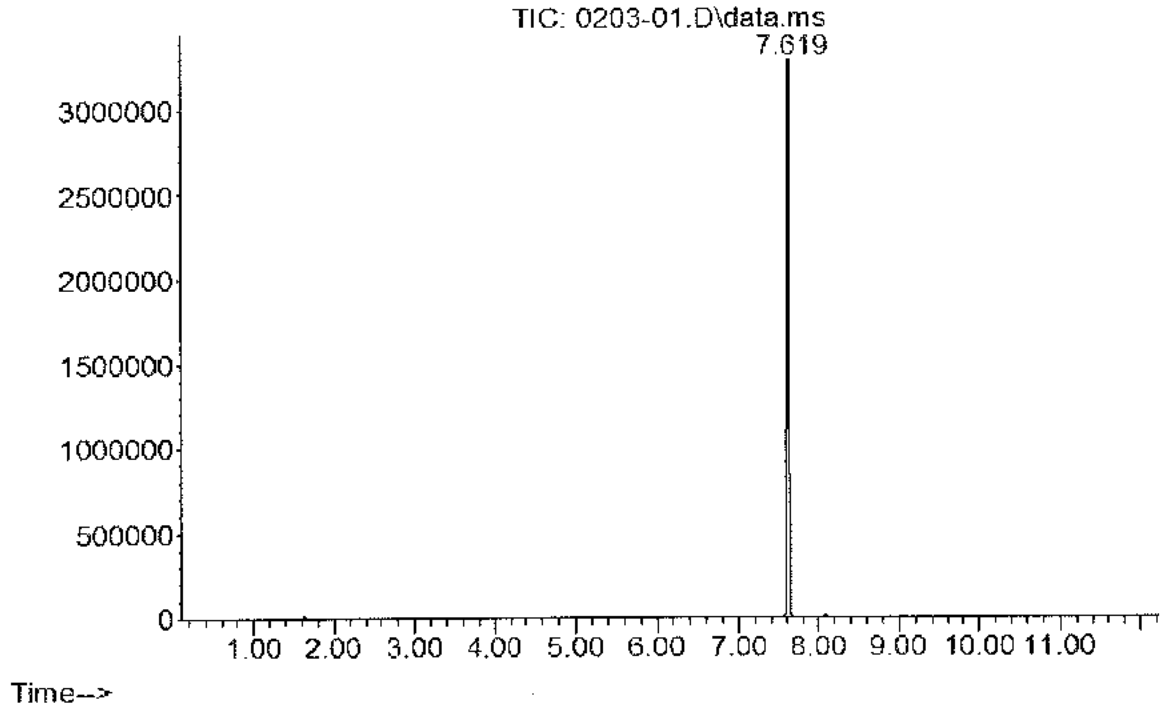
PJLA
Testing

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-10809-1G
Description:	4-Bromofluorobenzene
Lot Number:	11130200
Expiration Date:	02/28/25



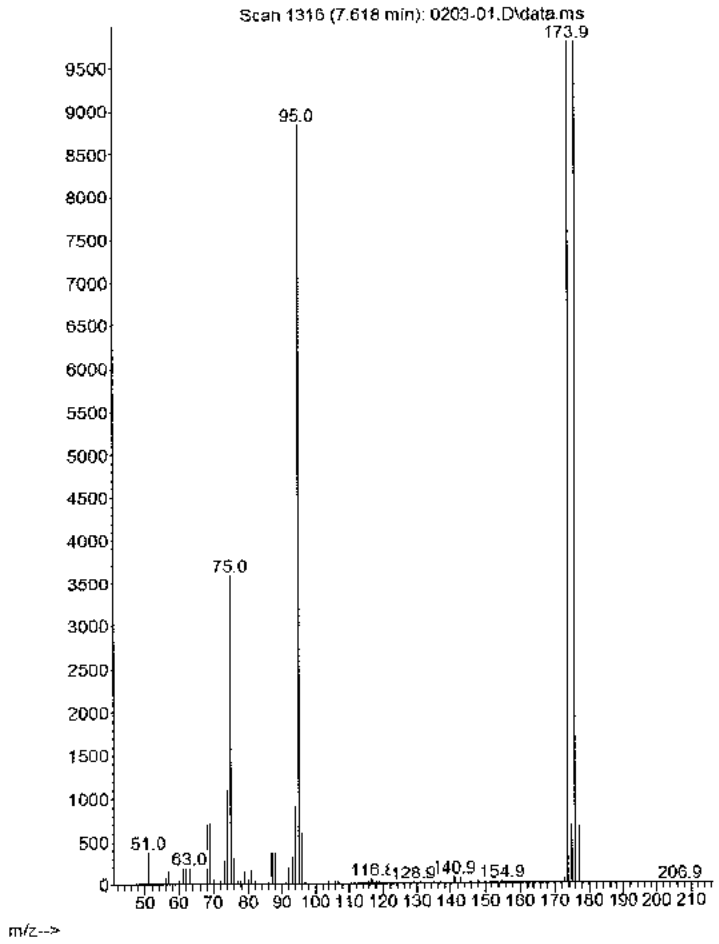
PJLA Testing

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-10809-1G
Description:	4-Bromofluorobenzene
Lot Number:	11130200
Expiration Date:	02/28/25



PJLA Testing

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-10809-1G
Description:	4-Bromofluorobenzene
Lot Number:	11130200
Expiration Date:	02/28/25

Chem Service Inc Area Percent Report

Data File: D:\msdchem\2020 DATA\0220\0203-01.D
Acq On : 3 Feb 2020 10:08
Operator :
Sample : N-10809
Misc :
ALS Vial : 96

Integration Parameters: autoint1.e
Integrator: ChemStation

DataAcq Meth:METH1.M
Method : D:\msdchem\2020 DATA\0120\0122-03.D\M-CS5242M2.M

Signal : TIC: 0203-01.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.619	1306	1316	1331	BB	3424525	65045319	100.00%	100.000%

Sum of corrected areas: 65045319

M-CS5242M2.M Mon Feb 03 10:28:54 2020

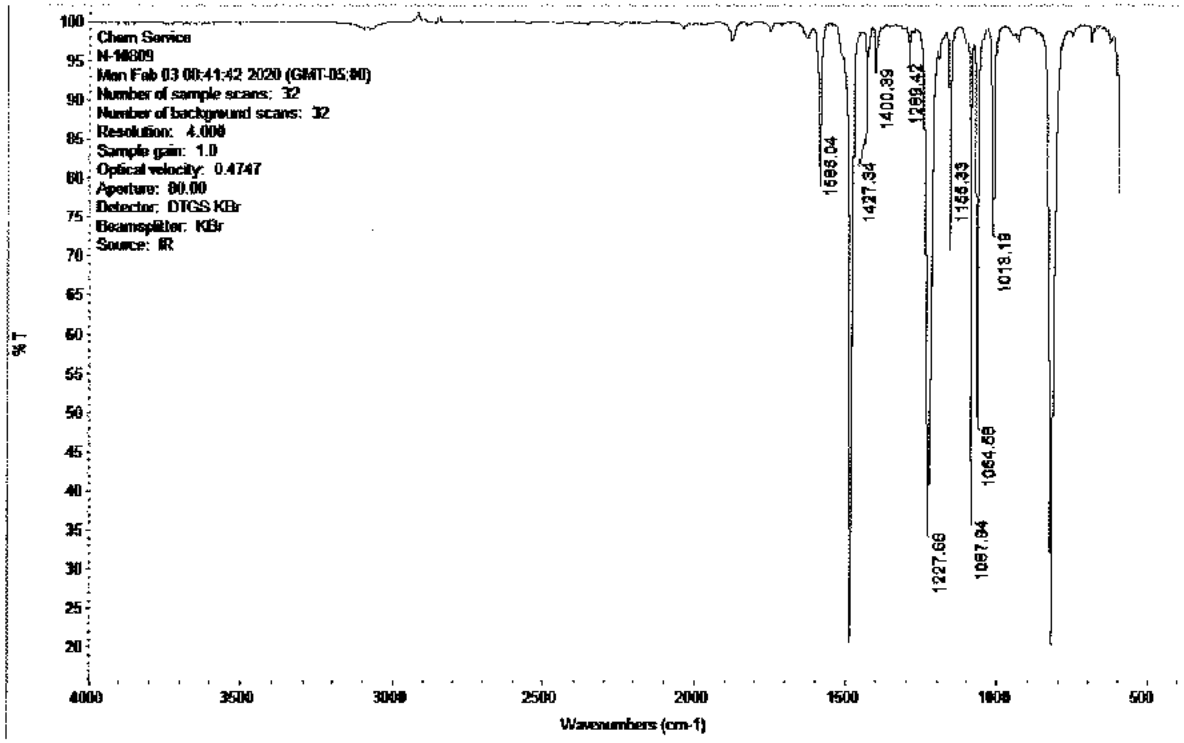
PJLA Testing

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-10809-1G
Description:	4-Bromofluorobenzene
Lot Number:	11130200
Expiration Date:	02/28/25



PJLA Testing

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

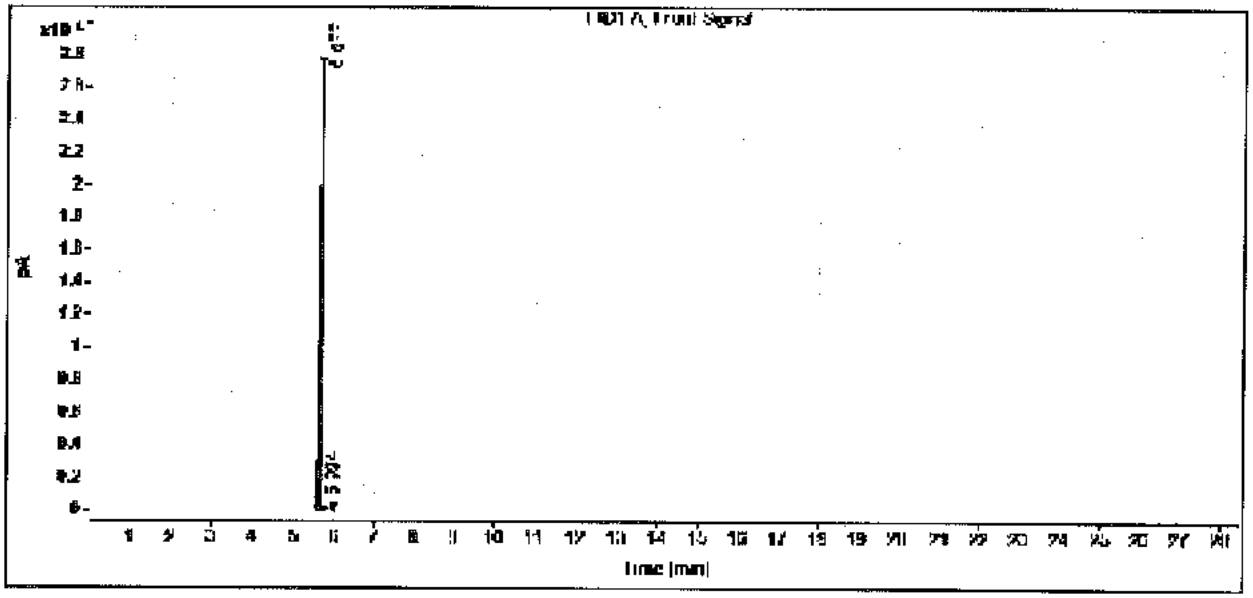
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2020 DATA\0220\013120 2020-01-31 16-11-28\141F04D4.D

Sample name: N-10809

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	1/31/2020 10:29:42 PM	**Location:**	Vial 141
Acq. method:	SCREEN.M	**Injection volume:**	1.0uL
Column name:	Rxi-624Sil (30m x 0.32mm x 1.8um)		



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
5.677	BB S	0.0413	82400.8018	27241.2129	99.7369
5.994	VB	0.0296	217.3697	117.5644	0.2631
		Sum	82617.9712		

PJLA Testing

Reagent

MSV_8260_SS_00733

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 55671 **Lot No.:** A0183565

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dibromofluoromethane	2,500.5 µg/mL	+/- 14.5381 µg/mL	Gravimetric
	CAS # 1868-53-7 (Lot 012021)		+/- 140.2006 µg/mL	Unstressed
	Purity 99%		+/- 143.4811 µg/mL	Stressed
2	1,2-Dichloroethane-d4	2,500.5 µg/mL	+/- 14.5381 µg/mL	Gravimetric
	CAS # 17060-07-0 (Lot PR-32845)		+/- 140.2006 µg/mL	Unstressed
	Purity 99%		+/- 143.4811 µg/mL	Stressed
3	Toluene-d8	2,500.5 µg/mL	+/- 14.5381 µg/mL	Gravimetric
	CAS # 2037-26-5 (Lot PR-31958)		+/- 140.2006 µg/mL	Unstressed
	Purity 99%		+/- 143.4811 µg/mL	Stressed
4	1-Bromo-4-fluorobenzene (BFB)	2,502.0 µg/mL	+/- 14.5468 µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/- 140.2847 µg/mL	Unstressed
	Purity 99%		+/- 143.5671 µg/mL	Stressed

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

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

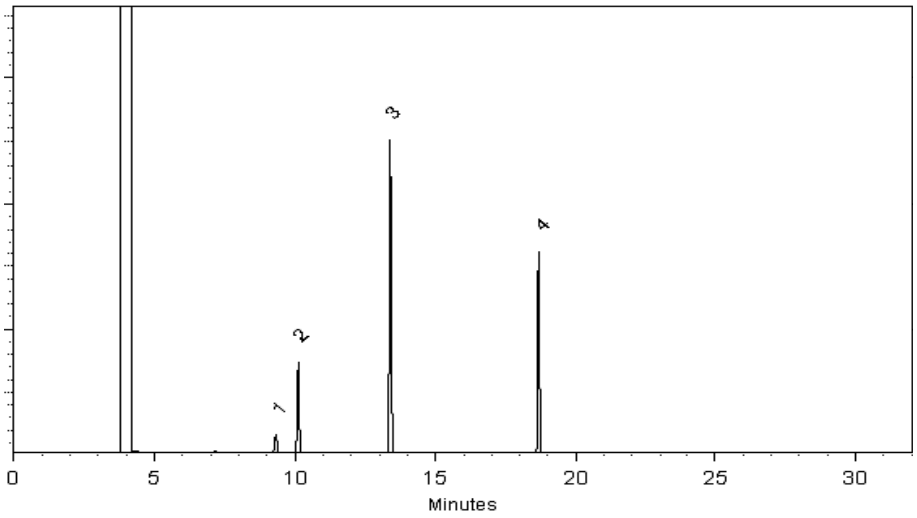
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Russ Bookhamer - Operations Technician I

Date Mixed: 31-Mar-2022 **Balance:** 1127510105

Fang-Yun Lo - QC Analyst

Date Passed: 04-Apr-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_ACROLEIN_00019

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Acrolein

CATALOG NUMBER	RPN-11030-1G
LOT NUMBER	12926800
DATE CERTIFIED	02/03/22
EXPIRATION DATE	02/28/23
CAS NUMBER	107-02-8
MOLECULAR FORMULA	C3H4O
MOLECULAR WEIGHT	56.06
STORAGE	Refrigerator storage (2 - 8 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.
NOTES	Contains water and hydroquinone as an inhibitor.

Analytical Test	Value
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
% PURITY (GC/TCD)	93.2
% WATER (KARL FISCHER)	2.2

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

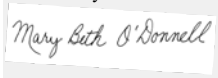
PJLA Testing

PJLA Reference Material Producer

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:



Mary Beth O'Donnell
CSM/TC

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0222\SIG2022990.D

Sample name: Acrolein

Instrument: GC 1
Injection date: 2/3/2022 2:54:32 PM
Acq. method: GASBOMB_TCD.M
Column name: DB-624 (30m x 0.53mm x 3.0um)

Sample type: Sample
Location: Vial 1
Injection volume: 1.0uL

Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
2.600	BB	0.0362	14.5715	6.2387	4.5336
2.902	BB	0.0314	7.2404	3.5582	2.2527
4.046	BB	0.0349	299.5987	134.6697	93.2137
		Sum	321.4106		

Reagent

MSV_CCV_GASES_00251

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0172364

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12) **CAS #** 75-71-8 (Lot 00012554) **Purity** 99%	2,001.0 µg/mL	+/- 15.5104 µg/mL +/- 112.6642 µg/mL +/- 115.2788 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3 (Lot SHBK6571) **Purity** 99%	2,000.2 µg/mL	+/- 19.3792 µg/mL +/- 113.2161 µg/mL +/- 115.8161 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4 (Lot 00015559) **Purity** 99%	2,003.2 µg/mL	+/- 20.1104 µg/mL +/- 113.5093 µg/mL +/- 116.1105 µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0 (Lot 00019375) **Purity** 99%	1,999.6 µg/mL	+/- 14.5225 µg/mL +/- 112.4545 µg/mL +/- 115.0702 µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9 (Lot 101604) **Purity** 99%	2,002.8 µg/mL	+/- 14.8201 µg/mL +/- 112.6669 µg/mL +/- 115.2859 µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3 (Lot 107-401039114-1) **Purity** 99%	2,001.0 µg/mL	+/- 14.9955 µg/mL +/- 112.5912 µg/mL +/- 115.2073 µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4 (Lot 11778600) **Purity** 99%	2,000.0 µg/mL	+/- 11.6282 µg/mL +/- 112.1380 µg/mL +/- 114.7619 µg/mL	Gravimetric Unstressed Stressed

8	Trichlorofluoromethane (CFC-11)		2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 75-69-4	(Lot MKCJ8658)			+/-	112.1380	µg/mL	Unstressed
	Purity 99%				+/-	114.7619	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,000.2	µg/mL	+/-	17.2773	µg/mL	Gravimetric
	CAS # 354-23-4	(Lot Q9B-64)			+/-	112.8726	µg/mL	Unstressed
	Purity 99%				+/-	115.4802	µg/mL	Stressed

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

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

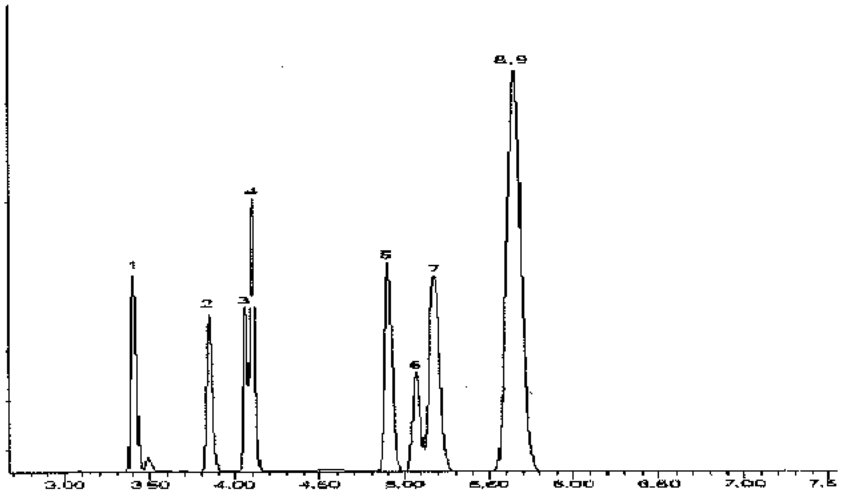
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Tom Suckar - Mix Technician

Date Mixed: 13-May-2021 **Balance:** B251644995

Alexis Shelow - Operations Tech I

Date Passed: 17-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_CCV_GASES_00258

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0172364

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12)	2,001.0 µg/mL	+/- 15.5104 µg/mL	Gravimetric
	CAS # 75-71-8 (Lot 00012554)		+/- 112.6642 µg/mL	Unstressed
	Purity 99%		+/- 115.2788 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,000.2 µg/mL	+/- 19.3792 µg/mL	Gravimetric
	CAS # 74-87-3 (Lot SHBK6571)		+/- 113.2161 µg/mL	Unstressed
	Purity 99%		+/- 115.8161 µg/mL	Stressed
3	Vinyl chloride	2,003.2 µg/mL	+/- 20.1104 µg/mL	Gravimetric
	CAS # 75-01-4 (Lot 00015559)		+/- 113.5093 µg/mL	Unstressed
	Purity 99%		+/- 116.1105 µg/mL	Stressed
4	1,3-Butadiene	1,999.6 µg/mL	+/- 14.5225 µg/mL	Gravimetric
	CAS # 106-99-0 (Lot 00019375)		+/- 112.4545 µg/mL	Unstressed
	Purity 99%		+/- 115.0702 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,002.8 µg/mL	+/- 14.8201 µg/mL	Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/- 112.6669 µg/mL	Unstressed
	Purity 99%		+/- 115.2859 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,001.0 µg/mL	+/- 14.9955 µg/mL	Gravimetric
	CAS # 75-00-3 (Lot 107-401039114-1)		+/- 112.5912 µg/mL	Unstressed
	Purity 99%		+/- 115.2073 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 11.6282 µg/mL	Gravimetric
	CAS # 75-43-4 (Lot 11778600)		+/- 112.1380 µg/mL	Unstressed
	Purity 99%		+/- 114.7619 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 75-69-4	(Lot MKCJ8658)			+/-	112.1380	µg/mL	Unstressed
	Purity 99%				+/-	114.7619	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,000.2	µg/mL	+/-	17.2773	µg/mL	Gravimetric
	CAS # 354-23-4	(Lot Q9B-64)			+/-	112.8726	µg/mL	Unstressed
	Purity 99%				+/-	115.4802	µg/mL	Stressed

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

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

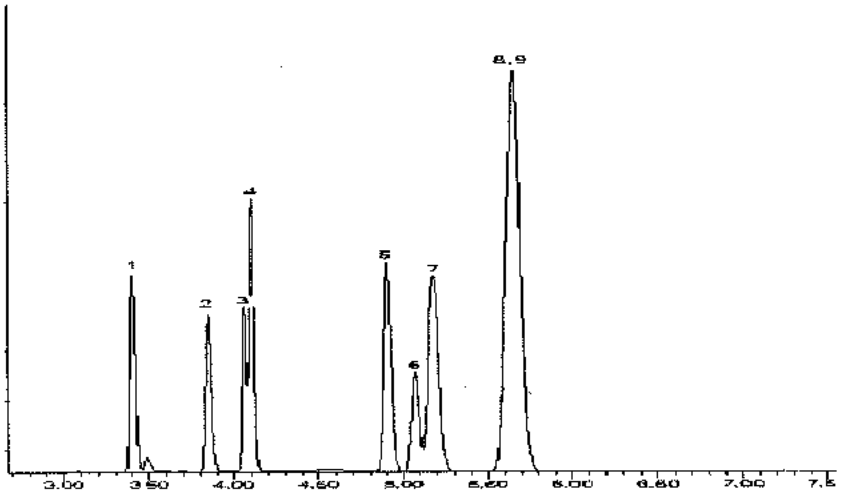
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Tom Suckar - Mix Technician

Date Mixed: 13-May-2021 **Balance:** B251644995

Alexis Shelow - Operations Tech I

Date Passed: 17-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_EE_Neat_00007

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Ethyl ether

CATALOG NUMBER	N-11897-1G
LOT NUMBER	12123300
DATE CERTIFIED	12/04/20
EXPIRATION DATE	12/31/25
CAS NUMBER	60-29-7
MOLECULAR FORMULA	C4H10O
MOLECULAR WEIGHT	74.12
STORAGE	Refrigerator storage (2 - 8 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/TCD)	99.5

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell
CSM/TC

COA Form
Revision 3 (3/2015)

PJLA Testing
Accreditation #63520

Print Date: 07/26/21

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2020 DATA\1220\SIG2022771.D

Sample name: Ethylether

Instrument: GC 1
Injection date: 12/4/2020 10:52:03 AM
Acq. method: TCD SCREEN.M
Column name: DB-624 (30m x 0.53mm x 3.0um)

Sample type: Sample
Location: Vial 21
Injection volume: 1.0uL

Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
1.206	BB	0.0364	16.2548	6.6698	0.0305
1.560	BB	0.0278	55.8996	29.9782	0.1049
1.892	BB	0.0328	64.6527	28.1084	0.1214
2.224	BB	0.0347	9.6188	4.3673	0.0181
2.545	BB S	0.0880	53125.6797	7942.5742	99.7251
		Sum	53272.1055		

PJLA Testing

Reagent

MSV_M_MIX1SEC_00068

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577493 **Lot No.:** A0171815

Description : Custom VOC MegaMix®.SEC #1 Standard

Custom VOC MegaMix®.SEC #1 Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,1-Dichloroethene **CAS #** 75-35-4.SEC (Lot 9201700) **Purity** 99%	1,003.8 µg/mL	+/- 7.1628 µg/mL +/- 56.4323 µg/mL +/- 57.7457 µg/mL	Gravimetric Unstressed Stressed
2	Methylene chloride (dichloromethane) **CAS #** 75-09-2.SEC (Lot FGM02) **Purity** 99%	1,001.8 µg/mL	+/- 7.1486 µg/mL +/- 56.3199 µg/mL +/- 57.6306 µg/mL	Gravimetric Unstressed Stressed
3	trans-1,2-Dichloroethene **CAS #** 156-60-5.SEC (Lot TS5UB) **Purity** 99%	1,000.3 µg/mL	+/- 7.1382 µg/mL +/- 56.2383 µg/mL +/- 57.5472 µg/mL	Gravimetric Unstressed Stressed
4	1,1-Dichloroethane **CAS #** 75-34-3.SEC (Lot 7482000) **Purity** 99%	1,002.0 µg/mL	+/- 7.1503 µg/mL +/- 56.3339 µg/mL +/- 57.6450 µg/mL	Gravimetric Unstressed Stressed
5	2,2-Dichloropropane **CAS #** 594-20-7.SEC (Lot I7E8E) **Purity** 98%	1,000.0 µg/mL	+/- 7.1026 µg/mL +/- 56.2188 µg/mL +/- 57.5274 µg/mL	Gravimetric Unstressed Stressed
6	cis-1,2-Dichloroethene **CAS #** 156-59-2.SEC (Lot YZO5O) **Purity** 99%	1,000.1 µg/mL	+/- 7.1028 µg/mL +/- 56.2207 µg/mL +/- 57.5294 µg/mL	Gravimetric Unstressed Stressed
7	Chloroform **CAS #** 67-66-3.SEC (Lot 1297547) **Purity** 99%	1,000.8 µg/mL	+/- 7.1414 µg/mL +/- 56.2636 µg/mL +/- 57.5731 µg/mL	Gravimetric Unstressed Stressed

8	Bromochloromethane		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 74-97-5.SEC	(Lot 8529200)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
9	1,1,1-trichloroethane		1,000.3	µg/mL	+/-	7.1383	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	56.2391	µg/mL	Unstressed
	Purity 98%				+/-	57.5479	µg/mL	Stressed
10	1,1-Dichloropropene		1,002.5	µg/mL	+/-	7.1204	µg/mL	Gravimetric
	CAS # 563-58-6.SEC	(Lot 8541600)			+/-	56.3597	µg/mL	Unstressed
	Purity 95%				+/-	57.6716	µg/mL	Stressed
11	Carbon tetrachloride		1,000.8	µg/mL	+/-	7.1414	µg/mL	Gravimetric
	CAS # 56-23-5.SEC	(Lot 11466)			+/-	56.2636	µg/mL	Unstressed
	Purity 99%				+/-	57.5731	µg/mL	Stressed
12	1,2-Dichloroethane		1,000.6	µg/mL	+/-	7.1407	µg/mL	Gravimetric
	CAS # 107-06-2.SEC	(Lot 00016165)			+/-	56.2576	µg/mL	Unstressed
	Purity 99%				+/-	57.5669	µg/mL	Stressed
13	Benzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 71-43-2.SEC	(Lot B28Y008)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
14	Trichloroethene		1,000.9	µg/mL	+/-	7.1423	µg/mL	Gravimetric
	CAS # 79-01-6.SEC	(Lot H04X050)			+/-	56.2708	µg/mL	Unstressed
	Purity 99%				+/-	57.5804	µg/mL	Stressed
15	1,2-Dichloropropane		1,000.1	µg/mL	+/-	7.1371	µg/mL	Gravimetric
	CAS # 78-87-5.SEC	(Lot ERRBI-RH)			+/-	56.2293	µg/mL	Unstressed
	Purity 99%				+/-	57.5380	µg/mL	Stressed
16	Bromodichloromethane		1,000.8	µg/mL	+/-	7.1418	µg/mL	Gravimetric
	CAS # 75-27-4.SEC	(Lot 13780)			+/-	56.2662	µg/mL	Unstressed
	Purity 99%				+/-	57.5757	µg/mL	Stressed
17	Dibromomethane		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 74-95-3.SEC	(Lot MOKKJ)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
18	cis-1,3-Dichloropropene		1,000.9	µg/mL	+/-	7.1425	µg/mL	Gravimetric
	CAS # 10061-01-5.SEC	(Lot 487OA)			+/-	56.2723	µg/mL	Unstressed
	Purity 98%				+/-	57.5819	µg/mL	Stressed
19	Toluene		1,000.0	µg/mL	+/-	7.1026	µg/mL	Gravimetric
	CAS # 108-88-3.SEC	(Lot YND2B-BD)			+/-	56.2193	µg/mL	Unstressed
	Purity 99%				+/-	57.5279	µg/mL	Stressed
20	trans-1,3-Dichloropropene		1,002.1	µg/mL	+/-	7.1513	µg/mL	Gravimetric
	CAS # 10061-02-6.SEC	(Lot ZDMSL)			+/-	56.3417	µg/mL	Unstressed
	Purity 96%				+/-	57.6530	µg/mL	Stressed
21	1,1,2-Trichloroethane		1,001.3	µg/mL	+/-	7.1450	µg/mL	Gravimetric
	CAS # 79-00-5.SEC	(Lot 7871500)			+/-	56.2917	µg/mL	Unstressed
	Purity 99%				+/-	57.6018	µg/mL	Stressed
22	1,3-Dichloropropane		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 142-28-9.SEC	(Lot AGN01-EFPC)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
23	Tetrachloroethene		1,000.2	µg/mL	+/-	7.1378	µg/mL	Gravimetric
	CAS # 127-18-4.SEC	(Lot F09W014)			+/-	56.2350	µg/mL	Unstressed
	Purity 99%				+/-	57.5437	µg/mL	Stressed

24	Dibromochloromethane		1,000.5	µg/mL	+/-	7.1396	µg/mL	Gravimetric
	CAS # 124-48-1.SEC	(Lot 10206360)			+/-	56.2489	µg/mL	Unstressed
	Purity 97%				+/-	57.5580	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		1,000.1	µg/mL	+/-	7.1032	µg/mL	Gravimetric
	CAS # 106-93-4.SEC	(Lot 7511900)			+/-	56.2235	µg/mL	Unstressed
	Purity 99%				+/-	57.5322	µg/mL	Stressed
26	Chlorobenzene		1,001.4	µg/mL	+/-	7.1460	µg/mL	Gravimetric
	CAS # 108-90-7.SEC	(Lot 1161936)			+/-	56.2995	µg/mL	Unstressed
	Purity 99%				+/-	57.6098	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		1,000.1	µg/mL	+/-	7.1032	µg/mL	Gravimetric
	CAS # 630-20-6.SEC	(Lot GC01)			+/-	56.2235	µg/mL	Unstressed
	Purity 99%				+/-	57.5322	µg/mL	Stressed
28	Ethylbenzene		1,000.2	µg/mL	+/-	7.1035	µg/mL	Gravimetric
	CAS # 100-41-4.SEC	(Lot PI4SE)			+/-	56.2263	µg/mL	Unstressed
	Purity 99%				+/-	57.5351	µg/mL	Stressed
29	m-Xylene		1,000.2	µg/mL	+/-	7.1035	µg/mL	Gravimetric
	CAS # 108-38-3.SEC	(Lot 7ZV6F)			+/-	56.2263	µg/mL	Unstressed
	Purity 99%				+/-	57.5351	µg/mL	Stressed
30	p-Xylene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 106-42-3.SEC	(Lot D6UOA)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
31	o-Xylene		1,000.1	µg/mL	+/-	7.1028	µg/mL	Gravimetric
	CAS # 95-47-6.SEC	(Lot FGL01)			+/-	56.2207	µg/mL	Unstressed
	Purity 99%				+/-	57.5294	µg/mL	Stressed
32	Styrene		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 100-42-5.SEC	(Lot OFIOL-IA)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
33	Isopropylbenzene (cumene)		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 98-82-8.SEC	(Lot JN4EC)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
34	Bromoform		1,001.7	µg/mL	+/-	7.1485	µg/mL	Gravimetric
	CAS # 75-25-2.SEC	(Lot 9170700)			+/-	56.3193	µg/mL	Unstressed
	Purity 99%				+/-	57.6300	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		1,001.6	µg/mL	+/-	7.1478	µg/mL	Gravimetric
	CAS # 79-34-5.SEC	(Lot BCCB0724)			+/-	56.3139	µg/mL	Unstressed
	Purity 98%				+/-	57.6245	µg/mL	Stressed
36	1,2,3-Trichloropropane		1,000.0	µg/mL	+/-	7.1026	µg/mL	Gravimetric
	CAS # 96-18-4.SEC	(Lot GUHZN)			+/-	56.2193	µg/mL	Unstressed
	Purity 99%				+/-	57.5279	µg/mL	Stressed
37	n-Propylbenzene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 103-65-1.SEC	(Lot T2HFC)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
38	Bromobenzene		1,000.2	µg/mL	+/-	7.1034	µg/mL	Gravimetric
	CAS # 108-86-1.SEC	(Lot 8DKWJ)			+/-	56.2256	µg/mL	Unstressed
	Purity 99%				+/-	57.5344	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		1,000.1	µg/mL	+/-	7.1028	µg/mL	Gravimetric
	CAS # 108-67-8.SEC	(Lot TOOOF)			+/-	56.2207	µg/mL	Unstressed
	Purity 99%				+/-	57.5294	µg/mL	Stressed

40	2-Chlorotoluene		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 95-49-8.SEC	(Lot BRHPM)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
41	4-Chlorotoluene		1,000.1	µg/mL	+/-	7.1030	µg/mL	Gravimetric
	CAS # 106-43-4.SEC	(Lot S5SKD)			+/-	56.2221	µg/mL	Unstressed
	Purity 99%				+/-	57.5308	µg/mL	Stressed
42	tert-Butylbenzene		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 98-06-6.SEC	(Lot D6OHC)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 95-63-6.SEC	(Lot JMIYD)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
44	sec-Butylbenzene		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 135-98-8.SEC	(Lot O4HRF)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
45	4-Isopropyltoluene (p-cymene)		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 99-87-6.SEC	(Lot 8380000)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
46	1,3-Dichlorobenzene		1,000.1	µg/mL	+/-	7.1365	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)			+/-	56.2251	µg/mL	Unstressed
	Purity 99%				+/-	57.5337	µg/mL	Stressed
47	1,4-Dichlorobenzene		1,002.5	µg/mL	+/-	7.1538	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot YWKDC-MK)			+/-	56.3612	µg/mL	Unstressed
	Purity 99%				+/-	57.6729	µg/mL	Stressed
48	n-Butylbenzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 104-51-8.SEC	(Lot MMPGA)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
49	1,2-Dichlorobenzene		1,001.6	µg/mL	+/-	7.1475	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	56.3114	µg/mL	Unstressed
	Purity 99%				+/-	57.6220	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 96-12-8.SEC	(Lot Q135-105)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot IGLFA)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
52	Hexachlorobutadiene		1,000.8	µg/mL	+/-	7.1079	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 8532700)			+/-	56.2614	µg/mL	Unstressed
	Purity 97%				+/-	57.5709	µg/mL	Stressed
53	Naphthalene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot SKZ5N)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		1,000.7	µg/mL	+/-	7.1076	µg/mL	Gravimetric
	CAS # 87-61-6.SEC	(Lot A0043055)			+/-	56.2588	µg/mL	Unstressed
	Purity 98%				+/-	57.5683	µg/mL	Stressed

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

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

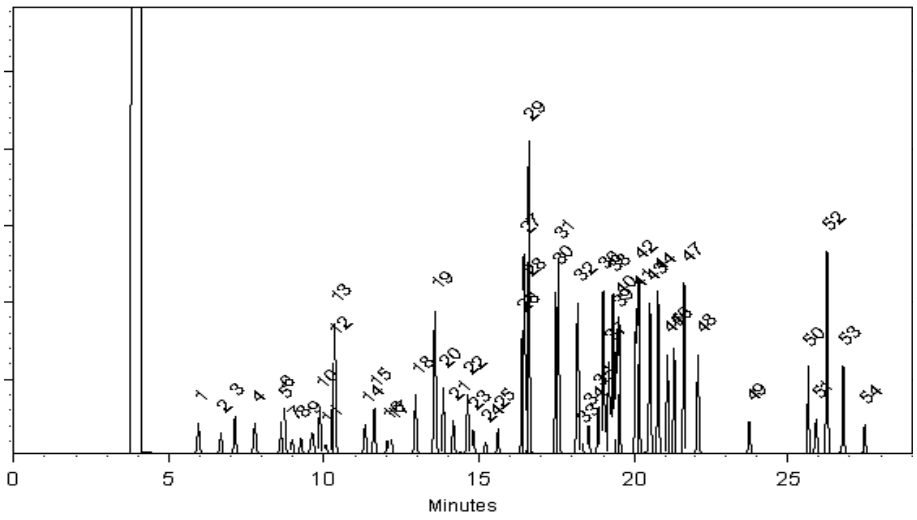
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Bradley Meyer - Mix Technician

Date Mixed: 28-Apr-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech I

Date Passed: 30-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX1SEC_00083

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577493 **Lot No.:** A0171815

Description : Custom VOC MegaMix®.SEC #1 Standard

Custom VOC MegaMix®.SEC #1 Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,1-Dichloroethene	1,003.8 µg/mL	+/- 7.1628 µg/mL	Gravimetric
	CAS # 75-35-4.SEC (Lot 9201700)		+/- 56.4323 µg/mL	Unstressed
	Purity 99%		+/- 57.7457 µg/mL	Stressed
2	Methylene chloride (dichloromethane)	1,001.8 µg/mL	+/- 7.1486 µg/mL	Gravimetric
	CAS # 75-09-2.SEC (Lot FGM02)		+/- 56.3199 µg/mL	Unstressed
	Purity 99%		+/- 57.6306 µg/mL	Stressed
3	trans-1,2-Dichloroethene	1,000.3 µg/mL	+/- 7.1382 µg/mL	Gravimetric
	CAS # 156-60-5.SEC (Lot TS5UB)		+/- 56.2383 µg/mL	Unstressed
	Purity 99%		+/- 57.5472 µg/mL	Stressed
4	1,1-Dichloroethane	1,002.0 µg/mL	+/- 7.1503 µg/mL	Gravimetric
	CAS # 75-34-3.SEC (Lot 7482000)		+/- 56.3339 µg/mL	Unstressed
	Purity 99%		+/- 57.6450 µg/mL	Stressed
5	2,2-Dichloropropane	1,000.0 µg/mL	+/- 7.1026 µg/mL	Gravimetric
	CAS # 594-20-7.SEC (Lot I7E8E)		+/- 56.2188 µg/mL	Unstressed
	Purity 98%		+/- 57.5274 µg/mL	Stressed
6	cis-1,2-Dichloroethene	1,000.1 µg/mL	+/- 7.1028 µg/mL	Gravimetric
	CAS # 156-59-2.SEC (Lot YZO5O)		+/- 56.2207 µg/mL	Unstressed
	Purity 99%		+/- 57.5294 µg/mL	Stressed
7	Chloroform	1,000.8 µg/mL	+/- 7.1414 µg/mL	Gravimetric
	CAS # 67-66-3.SEC (Lot 1297547)		+/- 56.2636 µg/mL	Unstressed
	Purity 99%		+/- 57.5731 µg/mL	Stressed

8	Bromochloromethane		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 74-97-5.SEC	(Lot 8529200)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
9	1,1,1-trichloroethane		1,000.3	µg/mL	+/-	7.1383	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	56.2391	µg/mL	Unstressed
	Purity 98%				+/-	57.5479	µg/mL	Stressed
10	1,1-Dichloropropene		1,002.5	µg/mL	+/-	7.1204	µg/mL	Gravimetric
	CAS # 563-58-6.SEC	(Lot 8541600)			+/-	56.3597	µg/mL	Unstressed
	Purity 95%				+/-	57.6716	µg/mL	Stressed
11	Carbon tetrachloride		1,000.8	µg/mL	+/-	7.1414	µg/mL	Gravimetric
	CAS # 56-23-5.SEC	(Lot 11466)			+/-	56.2636	µg/mL	Unstressed
	Purity 99%				+/-	57.5731	µg/mL	Stressed
12	1,2-Dichloroethane		1,000.6	µg/mL	+/-	7.1407	µg/mL	Gravimetric
	CAS # 107-06-2.SEC	(Lot 00016165)			+/-	56.2576	µg/mL	Unstressed
	Purity 99%				+/-	57.5669	µg/mL	Stressed
13	Benzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 71-43-2.SEC	(Lot B28Y008)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
14	Trichloroethene		1,000.9	µg/mL	+/-	7.1423	µg/mL	Gravimetric
	CAS # 79-01-6.SEC	(Lot H04X050)			+/-	56.2708	µg/mL	Unstressed
	Purity 99%				+/-	57.5804	µg/mL	Stressed
15	1,2-Dichloropropane		1,000.1	µg/mL	+/-	7.1371	µg/mL	Gravimetric
	CAS # 78-87-5.SEC	(Lot ERRBI-RH)			+/-	56.2293	µg/mL	Unstressed
	Purity 99%				+/-	57.5380	µg/mL	Stressed
16	Bromodichloromethane		1,000.8	µg/mL	+/-	7.1418	µg/mL	Gravimetric
	CAS # 75-27-4.SEC	(Lot 13780)			+/-	56.2662	µg/mL	Unstressed
	Purity 99%				+/-	57.5757	µg/mL	Stressed
17	Dibromomethane		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 74-95-3.SEC	(Lot MOKKJ)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
18	cis-1,3-Dichloropropene		1,000.9	µg/mL	+/-	7.1425	µg/mL	Gravimetric
	CAS # 10061-01-5.SEC	(Lot 487OA)			+/-	56.2723	µg/mL	Unstressed
	Purity 98%				+/-	57.5819	µg/mL	Stressed
19	Toluene		1,000.0	µg/mL	+/-	7.1026	µg/mL	Gravimetric
	CAS # 108-88-3.SEC	(Lot YND2B-BD)			+/-	56.2193	µg/mL	Unstressed
	Purity 99%				+/-	57.5279	µg/mL	Stressed
20	trans-1,3-Dichloropropene		1,002.1	µg/mL	+/-	7.1513	µg/mL	Gravimetric
	CAS # 10061-02-6.SEC	(Lot ZDMSL)			+/-	56.3417	µg/mL	Unstressed
	Purity 96%				+/-	57.6530	µg/mL	Stressed
21	1,1,2-Trichloroethane		1,001.3	µg/mL	+/-	7.1450	µg/mL	Gravimetric
	CAS # 79-00-5.SEC	(Lot 7871500)			+/-	56.2917	µg/mL	Unstressed
	Purity 99%				+/-	57.6018	µg/mL	Stressed
22	1,3-Dichloropropane		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 142-28-9.SEC	(Lot AGN01-EFPC)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
23	Tetrachloroethene		1,000.2	µg/mL	+/-	7.1378	µg/mL	Gravimetric
	CAS # 127-18-4.SEC	(Lot F09W014)			+/-	56.2350	µg/mL	Unstressed
	Purity 99%				+/-	57.5437	µg/mL	Stressed

24	Dibromochloromethane		1,000.5	µg/mL	+/-	7.1396	µg/mL	Gravimetric
	CAS # 124-48-1.SEC	(Lot 10206360)			+/-	56.2489	µg/mL	Unstressed
	Purity 97%				+/-	57.5580	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		1,000.1	µg/mL	+/-	7.1032	µg/mL	Gravimetric
	CAS # 106-93-4.SEC	(Lot 7511900)			+/-	56.2235	µg/mL	Unstressed
	Purity 99%				+/-	57.5322	µg/mL	Stressed
26	Chlorobenzene		1,001.4	µg/mL	+/-	7.1460	µg/mL	Gravimetric
	CAS # 108-90-7.SEC	(Lot 1161936)			+/-	56.2995	µg/mL	Unstressed
	Purity 99%				+/-	57.6098	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		1,000.1	µg/mL	+/-	7.1032	µg/mL	Gravimetric
	CAS # 630-20-6.SEC	(Lot GC01)			+/-	56.2235	µg/mL	Unstressed
	Purity 99%				+/-	57.5322	µg/mL	Stressed
28	Ethylbenzene		1,000.2	µg/mL	+/-	7.1035	µg/mL	Gravimetric
	CAS # 100-41-4.SEC	(Lot PI4SE)			+/-	56.2263	µg/mL	Unstressed
	Purity 99%				+/-	57.5351	µg/mL	Stressed
29	m-Xylene		1,000.2	µg/mL	+/-	7.1035	µg/mL	Gravimetric
	CAS # 108-38-3.SEC	(Lot 7ZV6F)			+/-	56.2263	µg/mL	Unstressed
	Purity 99%				+/-	57.5351	µg/mL	Stressed
30	p-Xylene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 106-42-3.SEC	(Lot D6UOA)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
31	o-Xylene		1,000.1	µg/mL	+/-	7.1028	µg/mL	Gravimetric
	CAS # 95-47-6.SEC	(Lot FGL01)			+/-	56.2207	µg/mL	Unstressed
	Purity 99%				+/-	57.5294	µg/mL	Stressed
32	Styrene		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 100-42-5.SEC	(Lot OFIOL-IA)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
33	Isopropylbenzene (cumene)		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 98-82-8.SEC	(Lot JN4EC)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
34	Bromoform		1,001.7	µg/mL	+/-	7.1485	µg/mL	Gravimetric
	CAS # 75-25-2.SEC	(Lot 9170700)			+/-	56.3193	µg/mL	Unstressed
	Purity 99%				+/-	57.6300	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		1,001.6	µg/mL	+/-	7.1478	µg/mL	Gravimetric
	CAS # 79-34-5.SEC	(Lot BCCB0724)			+/-	56.3139	µg/mL	Unstressed
	Purity 98%				+/-	57.6245	µg/mL	Stressed
36	1,2,3-Trichloropropane		1,000.0	µg/mL	+/-	7.1026	µg/mL	Gravimetric
	CAS # 96-18-4.SEC	(Lot GUHZN)			+/-	56.2193	µg/mL	Unstressed
	Purity 99%				+/-	57.5279	µg/mL	Stressed
37	n-Propylbenzene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 103-65-1.SEC	(Lot T2HFC)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
38	Bromobenzene		1,000.2	µg/mL	+/-	7.1034	µg/mL	Gravimetric
	CAS # 108-86-1.SEC	(Lot 8DKWJ)			+/-	56.2256	µg/mL	Unstressed
	Purity 99%				+/-	57.5344	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		1,000.1	µg/mL	+/-	7.1028	µg/mL	Gravimetric
	CAS # 108-67-8.SEC	(Lot TOOOF)			+/-	56.2207	µg/mL	Unstressed
	Purity 99%				+/-	57.5294	µg/mL	Stressed

40	2-Chlorotoluene		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 95-49-8.SEC	(Lot BRHPM)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
41	4-Chlorotoluene		1,000.1	µg/mL	+/-	7.1030	µg/mL	Gravimetric
	CAS # 106-43-4.SEC	(Lot S5SKD)			+/-	56.2221	µg/mL	Unstressed
	Purity 99%				+/-	57.5308	µg/mL	Stressed
42	tert-Butylbenzene		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 98-06-6.SEC	(Lot D6OHC)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 95-63-6.SEC	(Lot JMIYD)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
44	sec-Butylbenzene		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 135-98-8.SEC	(Lot O4HRF)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
45	4-Isopropyltoluene (p-cymene)		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 99-87-6.SEC	(Lot 8380000)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
46	1,3-Dichlorobenzene		1,000.1	µg/mL	+/-	7.1365	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)			+/-	56.2251	µg/mL	Unstressed
	Purity 99%				+/-	57.5337	µg/mL	Stressed
47	1,4-Dichlorobenzene		1,002.5	µg/mL	+/-	7.1538	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot YWKDC-MK)			+/-	56.3612	µg/mL	Unstressed
	Purity 99%				+/-	57.6729	µg/mL	Stressed
48	n-Butylbenzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 104-51-8.SEC	(Lot MMPGA)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
49	1,2-Dichlorobenzene		1,001.6	µg/mL	+/-	7.1475	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	56.3114	µg/mL	Unstressed
	Purity 99%				+/-	57.6220	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 96-12-8.SEC	(Lot Q135-105)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot IGLFA)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
52	Hexachlorobutadiene		1,000.8	µg/mL	+/-	7.1079	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 8532700)			+/-	56.2614	µg/mL	Unstressed
	Purity 97%				+/-	57.5709	µg/mL	Stressed
53	Naphthalene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot SKZ5N)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		1,000.7	µg/mL	+/-	7.1076	µg/mL	Gravimetric
	CAS # 87-61-6.SEC	(Lot A0043055)			+/-	56.2588	µg/mL	Unstressed
	Purity 98%				+/-	57.5683	µg/mL	Stressed

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

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

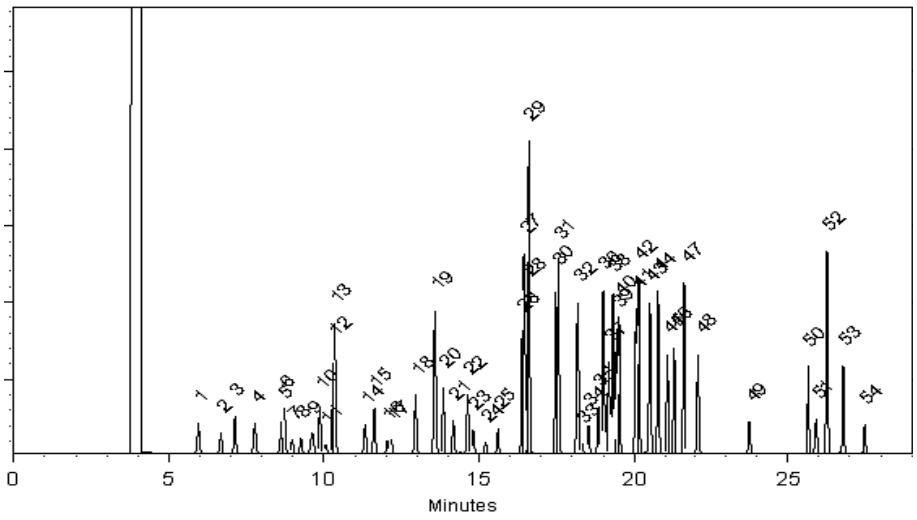
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Bradley Meyer - Mix Technician

Date Mixed: 28-Apr-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech I

Date Passed: 30-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX2SEC_00068

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577494 **Lot No.:** A0171837

Description : Custom VOC MegaMix®.SEC #2 Standard

Custom VOC MegaMix®.SEC #2 Standard 1,000-50,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Pentane (C5)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 109-66-0.SEC (Lot FGH02)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed
2	2-Propanol (isopropanol)	7,501.5 µg/mL	+/- 43.9229 µg/mL	Gravimetric
	CAS # 67-63-0.SEC (Lot TFT5I)		+/- 371.1195 µg/mL	Unstressed
	Purity 99%		+/- 380.3459 µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 76-13-1.SEC (Lot 18342)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed
4	tert-Butanol (TBA)	10,001.0 µg/mL	+/- 58.5581 µg/mL	Gravimetric
	CAS # 75-65-0.SEC (Lot 5REPK)		+/- 494.7765 µg/mL	Unstressed
	Purity 99%		+/- 507.0771 µg/mL	Stressed
5	Methyl acetate	1,002.5 µg/mL	+/- 5.8832 µg/mL	Gravimetric
	CAS # 79-20-9.SEC (Lot YDGVD)		+/- 49.5980 µg/mL	Unstressed
	Purity 99%		+/- 50.8309 µg/mL	Stressed
6	Iodomethane (methyl iodide)	1,001.5 µg/mL	+/- 5.8774 µg/mL	Gravimetric
	CAS # 74-88-4.SEC (Lot Y25A027)		+/- 49.5485 µg/mL	Unstressed
	Purity 99%		+/- 50.7802 µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 107-05-1.SEC (Lot H3HGC)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed

8	Carbon disulfide		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 75-15-0.SEC	(Lot MKBL1376V)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
9	Acrylonitrile		5,000.5	µg/mL	+/-	29.2790	µg/mL	Gravimetric
	CAS # 107-13-1.SEC	(Lot V54AD)			+/-	247.3882	µg/mL	Unstressed
	Purity 99%				+/-	253.5386	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 1634-04-4.SEC	(Lot ZHKYA)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
11	n-Hexane (C6)		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 110-54-3.SEC	(Lot 10188491)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		1,003.0	µg/mL	+/-	5.8862	µg/mL	Gravimetric
	CAS # 108-20-3.SEC	(Lot LL7TN-SH)			+/-	49.6227	µg/mL	Unstressed
	Purity 99%				+/-	50.8563	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 210413JLM)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		1,002.1	µg/mL	+/-	5.8806	µg/mL	Gravimetric
	CAS # 637-92-3.SEC	(Lot UCI5B)			+/-	49.5757	µg/mL	Unstressed
	Purity 98%				+/-	50.8081	µg/mL	Stressed
15	Propionitrile		7,501.5	µg/mL	+/-	43.9229	µg/mL	Gravimetric
	CAS # 107-12-0.SEC	(Lot N44LF)			+/-	371.1195	µg/mL	Unstressed
	Purity 99%				+/-	380.3459	µg/mL	Stressed
16	Methacrylonitrile		7,501.5	µg/mL	+/-	43.9229	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012014)			+/-	371.1195	µg/mL	Unstressed
	Purity 99%				+/-	380.3459	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		25,001.0	µg/mL	+/-	146.3864	µg/mL	Gravimetric
	CAS # 78-83-1.SEC	(Lot YNG3K)			+/-	1,236.8670	µg/mL	Unstressed
	Purity 99%				+/-	1,267.6168	µg/mL	Stressed
18	Tetrahydrofuran		5,000.5	µg/mL	+/-	29.2790	µg/mL	Gravimetric
	CAS # 109-99-9.SEC	(Lot 3NYHE)			+/-	247.3882	µg/mL	Unstressed
	Purity 99%				+/-	253.5386	µg/mL	Stressed
19	Cyclohexane		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 110-82-7.SEC	(Lot YADRA)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed
20	1-Butanol		50,004.5	µg/mL	+/-	292.7722	µg/mL	Gravimetric
	CAS # 71-36-3.SEC	(Lot 6B6UL)			+/-	2,473.8558	µg/mL	Unstressed
	Purity 99%				+/-	2,535.3586	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 994-05-8.SEC	(Lot 11010100)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
22	n-Heptane (C7)		1,002.5	µg/mL	+/-	5.8832	µg/mL	Gravimetric
	CAS # 142-82-5.SEC	(Lot TFHUC)			+/-	49.5980	µg/mL	Unstressed
	Purity 99%				+/-	50.8309	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 919-94-8.SEC	(Lot 11370700)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed

24	Methylcyclohexane		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 108-87-2.SEC	(Lot Q02QG)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
25	Methyl methacrylate		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 80-62-6.SEC	(Lot G01X021)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed
26	1,4-Dioxane		25,004.0	µg/mL	+/-	146.4039	µg/mL	Gravimetric
	CAS # 123-91-1.SEC	(Lot KLE2K)			+/-	1,237.0154	µg/mL	Unstressed
	Purity 99%				+/-	1,267.7689	µg/mL	Stressed
27	2-Nitropropane		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 79-46-9.SEC	(Lot F43IA)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
28	Ethyl methacrylate		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 97-63-2.SEC	(Lot MLWYK-LS)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed
29	1-Chlorohexane		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 544-10-5.SEC	(Lot 8171700)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
30	trans-1,4-Dichloro-2-butene		5,000.4	µg/mL	+/-	29.2781	µg/mL	Gravimetric
	CAS # 110-57-6.SEC	(Lot 100700-3)			+/-	247.3808	µg/mL	Unstressed
	Purity 97%				+/-	253.5310	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		1,001.1	µg/mL	+/-	5.8748	µg/mL	Gravimetric
	CAS # 526-73-8.SEC	(Lot 11386600)			+/-	49.5272	µg/mL	Unstressed
	Purity 98%				+/-	50.7584	µg/mL	Stressed
32	1,3-Diethylbenzene		1,003.5	µg/mL	+/-	5.8891	µg/mL	Gravimetric
	CAS # 141-93-5.SEC	(Lot 113566-1)			+/-	49.6474	µg/mL	Unstressed
	Purity 99%				+/-	50.8816	µg/mL	Stressed
33	Benzyl chloride		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 100-44-7.SEC	(Lot H29N03)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
34	1,4-Diethylbenzene		1,002.1	µg/mL	+/-	5.8806	µg/mL	Gravimetric
	CAS # 105-05-5.SEC	(Lot FBQ02)			+/-	49.5757	µg/mL	Unstressed
	Purity 98%				+/-	50.8081	µg/mL	Stressed
35	1,2-Diethylbenzene		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 135-01-3.SEC	(Lot BCBF3667V)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 108-70-3.SEC	(Lot I28U021)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
37	2-Methylnaphthalene		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 91-57-6.SEC	(Lot 76023-1)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed

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

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

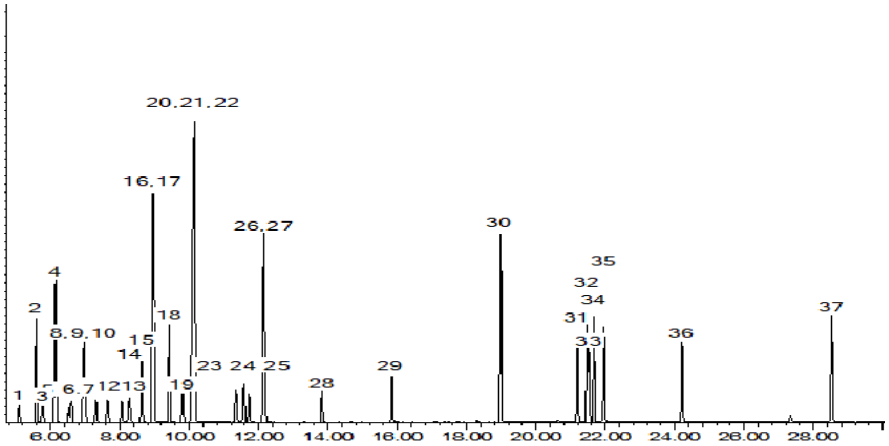
Carrier Gas:
helium-constant pressure 30 psi

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Date Mixed: 28-Apr-2021 **Balance:** 1128353505

Alexis Shelow - Operations Tech I

Date Passed: 04-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX2SEC_00082

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577494 **Lot No.:** A0171837

Description : Custom VOC MegaMix®.SEC #2 Standard

Custom VOC MegaMix®.SEC #2 Standard 1,000-50,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Pentane (C5)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 109-66-0.SEC (Lot FGH02)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed
2	2-Propanol (isopropanol)	7,501.5 µg/mL	+/- 43.9229 µg/mL	Gravimetric
	CAS # 67-63-0.SEC (Lot TFT5I)		+/- 371.1195 µg/mL	Unstressed
	Purity 99%		+/- 380.3459 µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 76-13-1.SEC (Lot 18342)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed
4	tert-Butanol (TBA)	10,001.0 µg/mL	+/- 58.5581 µg/mL	Gravimetric
	CAS # 75-65-0.SEC (Lot 5REPK)		+/- 494.7765 µg/mL	Unstressed
	Purity 99%		+/- 507.0771 µg/mL	Stressed
5	Methyl acetate	1,002.5 µg/mL	+/- 5.8832 µg/mL	Gravimetric
	CAS # 79-20-9.SEC (Lot YDGVD)		+/- 49.5980 µg/mL	Unstressed
	Purity 99%		+/- 50.8309 µg/mL	Stressed
6	Iodomethane (methyl iodide)	1,001.5 µg/mL	+/- 5.8774 µg/mL	Gravimetric
	CAS # 74-88-4.SEC (Lot Y25A027)		+/- 49.5485 µg/mL	Unstressed
	Purity 99%		+/- 50.7802 µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 107-05-1.SEC (Lot H3HGC)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed

8	Carbon disulfide		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 75-15-0.SEC	(Lot MKBL1376V)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
9	Acrylonitrile		5,000.5	µg/mL	+/-	29.2790	µg/mL	Gravimetric
	CAS # 107-13-1.SEC	(Lot V54AD)			+/-	247.3882	µg/mL	Unstressed
	Purity 99%				+/-	253.5386	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 1634-04-4.SEC	(Lot ZHKYA)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
11	n-Hexane (C6)		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 110-54-3.SEC	(Lot 10188491)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		1,003.0	µg/mL	+/-	5.8862	µg/mL	Gravimetric
	CAS # 108-20-3.SEC	(Lot LL7TN-SH)			+/-	49.6227	µg/mL	Unstressed
	Purity 99%				+/-	50.8563	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 210413JLM)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		1,002.1	µg/mL	+/-	5.8806	µg/mL	Gravimetric
	CAS # 637-92-3.SEC	(Lot UCI5B)			+/-	49.5757	µg/mL	Unstressed
	Purity 98%				+/-	50.8081	µg/mL	Stressed
15	Propionitrile		7,501.5	µg/mL	+/-	43.9229	µg/mL	Gravimetric
	CAS # 107-12-0.SEC	(Lot N44LF)			+/-	371.1195	µg/mL	Unstressed
	Purity 99%				+/-	380.3459	µg/mL	Stressed
16	Methacrylonitrile		7,501.5	µg/mL	+/-	43.9229	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012014)			+/-	371.1195	µg/mL	Unstressed
	Purity 99%				+/-	380.3459	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		25,001.0	µg/mL	+/-	146.3864	µg/mL	Gravimetric
	CAS # 78-83-1.SEC	(Lot YNG3K)			+/-	1,236.8670	µg/mL	Unstressed
	Purity 99%				+/-	1,267.6168	µg/mL	Stressed
18	Tetrahydrofuran		5,000.5	µg/mL	+/-	29.2790	µg/mL	Gravimetric
	CAS # 109-99-9.SEC	(Lot 3NYHE)			+/-	247.3882	µg/mL	Unstressed
	Purity 99%				+/-	253.5386	µg/mL	Stressed
19	Cyclohexane		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 110-82-7.SEC	(Lot YADRA)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed
20	1-Butanol		50,004.5	µg/mL	+/-	292.7722	µg/mL	Gravimetric
	CAS # 71-36-3.SEC	(Lot 6B6UL)			+/-	2,473.8558	µg/mL	Unstressed
	Purity 99%				+/-	2,535.3586	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 994-05-8.SEC	(Lot 11010100)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
22	n-Heptane (C7)		1,002.5	µg/mL	+/-	5.8832	µg/mL	Gravimetric
	CAS # 142-82-5.SEC	(Lot TFHUC)			+/-	49.5980	µg/mL	Unstressed
	Purity 99%				+/-	50.8309	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 919-94-8.SEC	(Lot 11370700)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed

24	Methylcyclohexane		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 108-87-2.SEC	(Lot Q02QG)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
25	Methyl methacrylate		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 80-62-6.SEC	(Lot G01X021)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed
26	1,4-Dioxane		25,004.0	µg/mL	+/-	146.4039	µg/mL	Gravimetric
	CAS # 123-91-1.SEC	(Lot KLE2K)			+/-	1,237.0154	µg/mL	Unstressed
	Purity 99%				+/-	1,267.7689	µg/mL	Stressed
27	2-Nitropropane		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 79-46-9.SEC	(Lot F43IA)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
28	Ethyl methacrylate		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 97-63-2.SEC	(Lot MLWYK-LS)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed
29	1-Chlorohexane		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 544-10-5.SEC	(Lot 8171700)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
30	trans-1,4-Dichloro-2-butene		5,000.4	µg/mL	+/-	29.2781	µg/mL	Gravimetric
	CAS # 110-57-6.SEC	(Lot 100700-3)			+/-	247.3808	µg/mL	Unstressed
	Purity 97%				+/-	253.5310	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		1,001.1	µg/mL	+/-	5.8748	µg/mL	Gravimetric
	CAS # 526-73-8.SEC	(Lot 11386600)			+/-	49.5272	µg/mL	Unstressed
	Purity 98%				+/-	50.7584	µg/mL	Stressed
32	1,3-Diethylbenzene		1,003.5	µg/mL	+/-	5.8891	µg/mL	Gravimetric
	CAS # 141-93-5.SEC	(Lot 113566-1)			+/-	49.6474	µg/mL	Unstressed
	Purity 99%				+/-	50.8816	µg/mL	Stressed
33	Benzyl chloride		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 100-44-7.SEC	(Lot H29N03)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
34	1,4-Diethylbenzene		1,002.1	µg/mL	+/-	5.8806	µg/mL	Gravimetric
	CAS # 105-05-5.SEC	(Lot FBQ02)			+/-	49.5757	µg/mL	Unstressed
	Purity 98%				+/-	50.8081	µg/mL	Stressed
35	1,2-Diethylbenzene		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 135-01-3.SEC	(Lot BCBF3667V)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 108-70-3.SEC	(Lot I28U021)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
37	2-Methylnaphthalene		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 91-57-6.SEC	(Lot 76023-1)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed

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

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

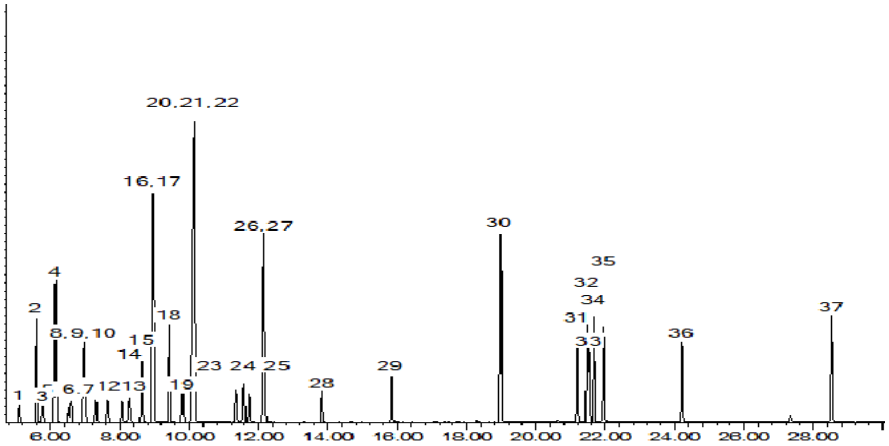
Carrier Gas:
helium-constant pressure 30 psi

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Date Mixed: 28-Apr-2021 **Balance:** 1128353505

Alexis Shelow - Operations Tech I

Date Passed: 04-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00071

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577486 **Lot No.:** A0171634

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,1-dichloroethene	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 75-35-4 (Lot SHBK2437)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
2	Methylene chloride (dichloromethane)	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 75-09-2 (Lot SHBL6169)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
3	trans-1,2-Dichloroethene	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 156-60-5 (Lot MKBH9850V)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
4	1,1-Dichloroethane	5,000.8 µg/mL	+/- 31.7079 µg/mL	Gravimetric
	CAS # 75-34-3 (Lot 580900)		+/- 280.6723 µg/mL	Unstressed
	Purity 99%		+/- 287.2265 µg/mL	Stressed
5	2,2-Dichloropropane	5,000.8 µg/mL	+/- 31.8970 µg/mL	Gravimetric
	CAS # 594-20-7 (Lot RD201111)		+/- 280.6965 µg/mL	Unstressed
	Purity 99%		+/- 287.2503 µg/mL	Stressed
6	cis-1,2-Dichloroethene	5,000.6 µg/mL	+/- 31.8957 µg/mL	Gravimetric
	CAS # 156-59-2 (Lot MKCK1803)		+/- 280.6853 µg/mL	Unstressed
	Purity 99%		+/- 287.2388 µg/mL	Stressed
7	chloroform	5,000.6 µg/mL	+/- 31.7067 µg/mL	Gravimetric
	CAS # 67-66-3 (Lot SHBL6923)		+/- 280.6618 µg/mL	Unstressed
	Purity 99%		+/- 287.2158 µg/mL	Stressed

8	Bromochloromethane		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
9	1,1,1-trichloroethane		5,000.1	µg/mL	+/-	31.7041	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	280.6383	µg/mL	Unstressed
	Purity 98%				+/-	287.1917	µg/mL	Stressed
10	1,1-Dichloropropene		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 201106JLM)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
11	carbon tetrachloride		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBJ2110)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
12	1,2-Dichloroethane		5,000.4	µg/mL	+/-	31.7059	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCM8716)			+/-	280.6548	µg/mL	Unstressed
	Purity 99%				+/-	287.2086	µg/mL	Stressed
13	Benzene		5,001.0	µg/mL	+/-	31.8982	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot SHBM3620)			+/-	280.7078	µg/mL	Unstressed
	Purity 99%				+/-	287.2618	µg/mL	Stressed
14	Trichloroethene		5,000.8	µg/mL	+/-	31.7079	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBL5816)			+/-	280.6723	µg/mL	Unstressed
	Purity 99%				+/-	287.2265	µg/mL	Stressed
15	1,2-Dichloropropane		5,001.1	µg/mL	+/-	31.7099	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	280.6899	µg/mL	Unstressed
	Purity 99%				+/-	287.2445	µg/mL	Stressed
16	bromodichloromethane		5,000.2	µg/mL	+/-	31.7043	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCK3742)			+/-	280.6408	µg/mL	Unstressed
	Purity 99%				+/-	287.1942	µg/mL	Stressed
17	Dibromomethane		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10215970)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
18	cis-1,3-Dichloropropene		5,001.9	µg/mL	+/-	31.7154	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot D26147-1217)			+/-	280.7390	µg/mL	Unstressed
	Purity 99%				+/-	287.2947	µg/mL	Stressed
19	Toluene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot SHBM6128)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
20	trans-1,3-Dichloropropene		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot RP201030)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
21	1,1,2-Trichloroethane		5,000.9	µg/mL	+/-	31.7087	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	280.6794	µg/mL	Unstressed
	Purity 99%				+/-	287.2337	µg/mL	Stressed
22	1,3-Dichloropropane		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBC6265)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
23	Tetrachloroethene		5,000.8	µg/mL	+/-	31.7079	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	280.6723	µg/mL	Unstressed
	Purity 99%				+/-	287.2265	µg/mL	Stressed

24	dibromochloromethane		5,001.1	µg/mL	+/-	31.7099	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCK6472)			+/-	280.6899	µg/mL	Unstressed
	Purity 99%				+/-	287.2445	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCBP2268V)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
26	Chlorobenzene		5,000.2	µg/mL	+/-	31.7043	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)			+/-	280.6408	µg/mL	Unstressed
	Purity 99%				+/-	287.1942	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot GC01)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
28	Ethylbenzene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBL9192)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
29	m-Xylene		5,001.8	µg/mL	+/-	31.9033	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot SHBM4841)			+/-	280.7527	µg/mL	Unstressed
	Purity 99%				+/-	287.3077	µg/mL	Stressed
30	p-Xylene		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot SHBJ7329)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
31	o-Xylene		5,001.8	µg/mL	+/-	31.9035	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBL3963)			+/-	280.7539	µg/mL	Unstressed
	Purity 98%				+/-	287.3090	µg/mL	Stressed
32	Styrene		5,001.7	µg/mL	+/-	31.9027	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCM3200)			+/-	280.7471	µg/mL	Unstressed
	Purity 99%				+/-	287.3020	µg/mL	Stressed
33	Isopropylbenzene (cumene)		5,001.0	µg/mL	+/-	31.8982	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot P15E008)			+/-	280.7078	µg/mL	Unstressed
	Purity 99%				+/-	287.2618	µg/mL	Stressed
34	bromoform		5,000.4	µg/mL	+/-	31.7055	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBJ4835)			+/-	280.6513	µg/mL	Unstressed
	Purity 99%				+/-	287.2050	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		5,000.4	µg/mL	+/-	31.7059	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)			+/-	280.6548	µg/mL	Unstressed
	Purity 99%				+/-	287.2086	µg/mL	Stressed
36	1,2,3-Trichloropropane		5,000.0	µg/mL	+/-	31.8918	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot BCBH8722V)			+/-	280.6516	µg/mL	Unstressed
	Purity 99%				+/-	287.2044	µg/mL	Stressed
37	n-Propylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCM4174)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed
38	Bromobenzene		5,001.1	µg/mL	+/-	31.8989	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot WXBC5147V)			+/-	280.7134	µg/mL	Unstressed
	Purity 99%				+/-	287.2675	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCCD0427)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed

40	2-Chlorotoluene		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKCF5243)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
41	4-Chlorotoluene		5,000.1	µg/mL	+/-	31.8925	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKCC8496)			+/-	280.6572	µg/mL	Unstressed
	Purity 99%				+/-	287.2101	µg/mL	Stressed
42	tert-Butylbenzene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBJ1937)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		5,000.6	µg/mL	+/-	31.8960	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot WXBC9428V)			+/-	280.6879	µg/mL	Unstressed
	Purity 98%				+/-	287.2415	µg/mL	Stressed
44	sec-Butylbenzene		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKCN2920)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
45	p-Isopropyltoluene (p-Cymene)		5,001.1	µg/mL	+/-	31.8989	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKCN1411)			+/-	280.7134	µg/mL	Unstressed
	Purity 99%				+/-	287.2675	µg/mL	Stressed
46	1,3-Dichlorobenzene		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBZ7498)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
47	1,4-Dichlorobenzene		5,000.8	µg/mL	+/-	31.7083	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	280.6759	µg/mL	Unstressed
	Purity 99%				+/-	287.2301	µg/mL	Stressed
48	n-Butylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09804AE)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed
49	1,2-Dichlorobenzene		5,000.1	µg/mL	+/-	31.7036	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBK7741)			+/-	280.6338	µg/mL	Unstressed
	Purity 99%				+/-	287.1871	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		5,000.3	µg/mL	+/-	31.8935	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot FBL01)			+/-	280.6658	µg/mL	Unstressed
	Purity 97%				+/-	287.2189	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBJ9215)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
52	Hexachlorobutadiene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot 664800)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
53	Naphthalene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKBZ8680V)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		5,000.4	µg/mL	+/-	31.8944	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)			+/-	280.6741	µg/mL	Unstressed
	Purity 99%				+/-	287.2273	µg/mL	Stressed

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

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

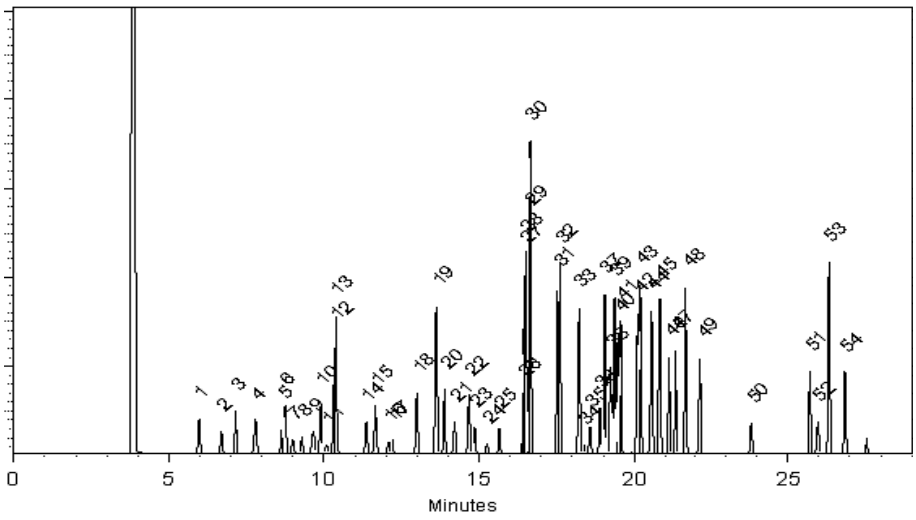
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Walker Workman - Operations Technician I

Date Mixed: 22-Apr-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 26-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00083

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577486 **Lot No.:** A0171634

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,1-dichloroethene	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 75-35-4 (Lot SHBK2437)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
2	Methylene chloride (dichloromethane)	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 75-09-2 (Lot SHBL6169)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
3	trans-1,2-Dichloroethene	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 156-60-5 (Lot MKBH9850V)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
4	1,1-Dichloroethane	5,000.8 µg/mL	+/- 31.7079 µg/mL	Gravimetric
	CAS # 75-34-3 (Lot 580900)		+/- 280.6723 µg/mL	Unstressed
	Purity 99%		+/- 287.2265 µg/mL	Stressed
5	2,2-Dichloropropane	5,000.8 µg/mL	+/- 31.8970 µg/mL	Gravimetric
	CAS # 594-20-7 (Lot RD201111)		+/- 280.6965 µg/mL	Unstressed
	Purity 99%		+/- 287.2503 µg/mL	Stressed
6	cis-1,2-Dichloroethene	5,000.6 µg/mL	+/- 31.8957 µg/mL	Gravimetric
	CAS # 156-59-2 (Lot MKCK1803)		+/- 280.6853 µg/mL	Unstressed
	Purity 99%		+/- 287.2388 µg/mL	Stressed
7	chloroform	5,000.6 µg/mL	+/- 31.7067 µg/mL	Gravimetric
	CAS # 67-66-3 (Lot SHBL6923)		+/- 280.6618 µg/mL	Unstressed
	Purity 99%		+/- 287.2158 µg/mL	Stressed

8	Bromochloromethane		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
9	1,1,1-trichloroethane		5,000.1	µg/mL	+/-	31.7041	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	280.6383	µg/mL	Unstressed
	Purity 98%				+/-	287.1917	µg/mL	Stressed
10	1,1-Dichloropropene		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 201106JLM)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
11	carbon tetrachloride		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBJ2110)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
12	1,2-Dichloroethane		5,000.4	µg/mL	+/-	31.7059	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCM8716)			+/-	280.6548	µg/mL	Unstressed
	Purity 99%				+/-	287.2086	µg/mL	Stressed
13	Benzene		5,001.0	µg/mL	+/-	31.8982	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot SHBM3620)			+/-	280.7078	µg/mL	Unstressed
	Purity 99%				+/-	287.2618	µg/mL	Stressed
14	Trichloroethene		5,000.8	µg/mL	+/-	31.7079	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBL5816)			+/-	280.6723	µg/mL	Unstressed
	Purity 99%				+/-	287.2265	µg/mL	Stressed
15	1,2-Dichloropropane		5,001.1	µg/mL	+/-	31.7099	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	280.6899	µg/mL	Unstressed
	Purity 99%				+/-	287.2445	µg/mL	Stressed
16	bromodichloromethane		5,000.2	µg/mL	+/-	31.7043	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCK3742)			+/-	280.6408	µg/mL	Unstressed
	Purity 99%				+/-	287.1942	µg/mL	Stressed
17	Dibromomethane		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10215970)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
18	cis-1,3-Dichloropropene		5,001.9	µg/mL	+/-	31.7154	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot D26147-1217)			+/-	280.7390	µg/mL	Unstressed
	Purity 99%				+/-	287.2947	µg/mL	Stressed
19	Toluene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot SHBM6128)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
20	trans-1,3-Dichloropropene		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot RP201030)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
21	1,1,2-Trichloroethane		5,000.9	µg/mL	+/-	31.7087	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	280.6794	µg/mL	Unstressed
	Purity 99%				+/-	287.2337	µg/mL	Stressed
22	1,3-Dichloropropane		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBC6265)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
23	Tetrachloroethene		5,000.8	µg/mL	+/-	31.7079	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	280.6723	µg/mL	Unstressed
	Purity 99%				+/-	287.2265	µg/mL	Stressed

24	dibromochloromethane		5,001.1	µg/mL	+/-	31.7099	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCK6472)			+/-	280.6899	µg/mL	Unstressed
	Purity 99%				+/-	287.2445	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCBP2268V)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
26	Chlorobenzene		5,000.2	µg/mL	+/-	31.7043	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)			+/-	280.6408	µg/mL	Unstressed
	Purity 99%				+/-	287.1942	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot GC01)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
28	Ethylbenzene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBL9192)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
29	m-Xylene		5,001.8	µg/mL	+/-	31.9033	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot SHBM4841)			+/-	280.7527	µg/mL	Unstressed
	Purity 99%				+/-	287.3077	µg/mL	Stressed
30	p-Xylene		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot SHBJ7329)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
31	o-Xylene		5,001.8	µg/mL	+/-	31.9035	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBL3963)			+/-	280.7539	µg/mL	Unstressed
	Purity 98%				+/-	287.3090	µg/mL	Stressed
32	Styrene		5,001.7	µg/mL	+/-	31.9027	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCM3200)			+/-	280.7471	µg/mL	Unstressed
	Purity 99%				+/-	287.3020	µg/mL	Stressed
33	Isopropylbenzene (cumene)		5,001.0	µg/mL	+/-	31.8982	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot P15E008)			+/-	280.7078	µg/mL	Unstressed
	Purity 99%				+/-	287.2618	µg/mL	Stressed
34	bromoform		5,000.4	µg/mL	+/-	31.7055	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBJ4835)			+/-	280.6513	µg/mL	Unstressed
	Purity 99%				+/-	287.2050	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		5,000.4	µg/mL	+/-	31.7059	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)			+/-	280.6548	µg/mL	Unstressed
	Purity 99%				+/-	287.2086	µg/mL	Stressed
36	1,2,3-Trichloropropane		5,000.0	µg/mL	+/-	31.8918	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot BCBH8722V)			+/-	280.6516	µg/mL	Unstressed
	Purity 99%				+/-	287.2044	µg/mL	Stressed
37	n-Propylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCM4174)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed
38	Bromobenzene		5,001.1	µg/mL	+/-	31.8989	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot WXBC5147V)			+/-	280.7134	µg/mL	Unstressed
	Purity 99%				+/-	287.2675	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCCD0427)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed

40	2-Chlorotoluene		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKCF5243)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
41	4-Chlorotoluene		5,000.1	µg/mL	+/-	31.8925	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKCC8496)			+/-	280.6572	µg/mL	Unstressed
	Purity 99%				+/-	287.2101	µg/mL	Stressed
42	tert-Butylbenzene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBJ1937)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		5,000.6	µg/mL	+/-	31.8960	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot WXBC9428V)			+/-	280.6879	µg/mL	Unstressed
	Purity 98%				+/-	287.2415	µg/mL	Stressed
44	sec-Butylbenzene		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKCN2920)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
45	p-Isopropyltoluene (p-Cymene)		5,001.1	µg/mL	+/-	31.8989	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKCN1411)			+/-	280.7134	µg/mL	Unstressed
	Purity 99%				+/-	287.2675	µg/mL	Stressed
46	1,3-Dichlorobenzene		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBZ7498)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
47	1,4-Dichlorobenzene		5,000.8	µg/mL	+/-	31.7083	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	280.6759	µg/mL	Unstressed
	Purity 99%				+/-	287.2301	µg/mL	Stressed
48	n-Butylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09804AE)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed
49	1,2-Dichlorobenzene		5,000.1	µg/mL	+/-	31.7036	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBK7741)			+/-	280.6338	µg/mL	Unstressed
	Purity 99%				+/-	287.1871	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		5,000.3	µg/mL	+/-	31.8935	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot FBL01)			+/-	280.6658	µg/mL	Unstressed
	Purity 97%				+/-	287.2189	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBJ9215)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
52	Hexachlorobutadiene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot 664800)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
53	Naphthalene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKBZ8680V)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		5,000.4	µg/mL	+/-	31.8944	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)			+/-	280.6741	µg/mL	Unstressed
	Purity 99%				+/-	287.2273	µg/mL	Stressed

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

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

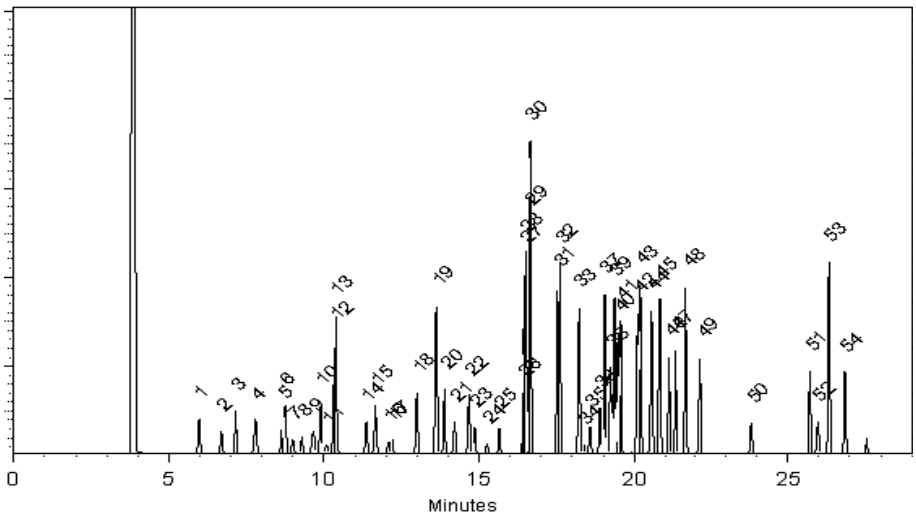
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Walker Workman - Operations Technician I

Date Mixed: 22-Apr-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 26-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00071

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577487 **Lot No.:** A0173454

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Pentane (C5)	5,000.8 µg/mL	+/- 34.9563 µg/mL	Gravimetric
	CAS # 109-66-0 (Lot SHBM6577)		+/- 248.1404 µg/mL	Unstressed
	Purity 99%		+/- 254.2734 µg/mL	Stressed
2	2-Propanol (isopropanol)	25,000.0 µg/mL	+/- 146.3805 µg/mL	Gravimetric
	CAS # 67-63-0 (Lot SHBH7211)		+/- 1,236.8175 µg/mL	Unstressed
	Purity 99%		+/- 1,267.5661 µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,000.0 µg/mL	+/- 34.9505 µg/mL	Gravimetric
	CAS # 76-13-1 (Lot 00016133)		+/- 248.0991 µg/mL	Unstressed
	Purity 99%		+/- 254.2310 µg/mL	Stressed
4	tert-Butanol (TBA)	25,010.0 µg/mL	+/- 146.4390 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,237.3122 µg/mL	Unstressed
	Purity 99%		+/- 1,268.0731 µg/mL	Stressed
5	Methyl acetate	5,000.2 µg/mL	+/- 34.9516 µg/mL	Gravimetric
	CAS # 79-20-9 (Lot SHBM1320)		+/- 248.1073 µg/mL	Unstressed
	Purity 99%		+/- 254.2395 µg/mL	Stressed
6	Iodomethane (methyl iodide)	5,001.7 µg/mL	+/- 34.9621 µg/mL	Gravimetric
	CAS # 74-88-4 (Lot RD210503)		+/- 248.1818 µg/mL	Unstressed
	Purity 99%		+/- 254.3157 µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	5,000.7 µg/mL	+/- 34.9551 µg/mL	Gravimetric
	CAS # 107-05-1 (Lot RD210402)		+/- 248.1321 µg/mL	Unstressed
	Purity 99%		+/- 254.2649 µg/mL	Stressed

8	Carbon disulfide		5,004.2	µg/mL	+/-	34.9796	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	248.3058	µg/mL	Unstressed
	Purity 99%				+/-	254.4428	µg/mL	Stressed
9	Acrylonitrile		12,506.0	µg/mL	+/-	73.2254	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot M25F024)			+/-	618.7056	µg/mL	Unstressed
	Purity 99%				+/-	634.0873	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBM3541)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
11	n-Hexane (C6)		5,000.5	µg/mL	+/-	34.9540	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBL9879)			+/-	248.1239	µg/mL	Unstressed
	Purity 99%				+/-	254.2564	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		5,003.3	µg/mL	+/-	34.9738	µg/mL	Gravimetric
	CAS # 108-20-3	(Lot SHBH1927V)			+/-	248.2645	µg/mL	Unstressed
	Purity 99%				+/-	254.4005	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		5,001.2	µg/mL	+/-	34.9586	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 210413JLM)			+/-	248.1570	µg/mL	Unstressed
	Purity 99%				+/-	254.2903	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 637-92-3	(Lot MKCM3774)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
15	Propionitrile		25,006.7	µg/mL	+/-	146.4195	µg/mL	Gravimetric
	CAS # 107-12-0	(Lot BCCC1173)			+/-	1,237.1473	µg/mL	Unstressed
	Purity 99%				+/-	1,267.9041	µg/mL	Stressed
16	Methacrylonitrile		12,500.7	µg/mL	+/-	73.1942	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012020)			+/-	618.4417	µg/mL	Unstressed
	Purity 99%				+/-	633.8168	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,500.7	µg/mL	+/-	365.9551	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot SHBM4836)			+/-	3,092.0767	µg/mL	Unstressed
	Purity 99%				+/-	3,168.9490	µg/mL	Stressed
18	Tetrahydrofuran		25,010.0	µg/mL	+/-	146.4390	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBM8962)			+/-	1,237.3122	µg/mL	Unstressed
	Purity 99%				+/-	1,268.0731	µg/mL	Stressed
19	Cyclohexane		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot MKCF5831)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
20	1-Butanol		62,504.0	µg/mL	+/-	365.9747	µg/mL	Gravimetric
	CAS # 71-36-3	(Lot SHBM5061)			+/-	3,092.2416	µg/mL	Unstressed
	Purity 99%				+/-	3,169.1180	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 994-05-8	(Lot HMBG7745V)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
22	n-Heptane (C7)		5,002.3	µg/mL	+/-	34.9668	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SHBL9221)			+/-	248.2148	µg/mL	Unstressed
	Purity 99%				+/-	254.3496	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 919-94-8	(Lot 76U3A)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed

24	Methylcyclohexane		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed
25	Methyl methacrylate		5,001.0	µg/mL	+/-	34.9574	µg/mL	Gravimetric
	CAS # 80-62-6	(Lot MKCN3027)			+/-	248.1487	µg/mL	Unstressed
	Purity 99%				+/-	254.2818	µg/mL	Stressed
26	1,4-Dioxane		62,503.3	µg/mL	+/-	365.9708	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBM5092)			+/-	3,092.2086	µg/mL	Unstressed
	Purity 99%				+/-	3,169.0842	µg/mL	Stressed
27	2-Nitropropane		25,000.8	µg/mL	+/-	146.3851	µg/mL	Gravimetric
	CAS # 79-46-9	(Lot BCCB9352)			+/-	1,236.8561	µg/mL	Unstressed
	Purity 97%				+/-	1,267.6056	µg/mL	Stressed
28	Ethyl methacrylate		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
29	1-Chlorohexane		5,000.0	µg/mL	+/-	34.9502	µg/mL	Gravimetric
	CAS # 544-10-5	(Lot BCBS3368V)			+/-	248.0971	µg/mL	Unstressed
	Purity 98%				+/-	254.2290	µg/mL	Stressed
30	trans-1,4-dichloro-2-butene		12,510.9	µg/mL	+/-	73.2539	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD210617)			+/-	618.9463	µg/mL	Unstressed
	Purity 95%				+/-	634.3340	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		5,000.0	µg/mL	+/-	34.9502	µg/mL	Gravimetric
	CAS # 526-73-8	(Lot 8776.10-36)			+/-	248.0971	µg/mL	Unstressed
	Purity 98%				+/-	254.2290	µg/mL	Stressed
32	1,3-Diethylbenzene		5,000.9	µg/mL	+/-	34.9570	µg/mL	Gravimetric
	CAS # 141-93-5	(Lot BCBT8967)			+/-	248.1457	µg/mL	Unstressed
	Purity 98%				+/-	254.2788	µg/mL	Stressed
33	Benzyl chloride		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 100-44-7	(Lot SHBH2102V)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
34	1,4-Diethylbenzene		5,001.4	µg/mL	+/-	34.9605	µg/mL	Gravimetric
	CAS # 105-05-5	(Lot RLHJK)			+/-	248.1700	µg/mL	Unstressed
	Purity 98%				+/-	254.3037	µg/mL	Stressed
35	1,2-Diethylbenzene		5,000.5	µg/mL	+/-	34.9540	µg/mL	Gravimetric
	CAS # 135-01-3	(Lot ECH2970181)			+/-	248.1239	µg/mL	Unstressed
	Purity 99%				+/-	254.2564	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 108-70-3	(Lot 11319AS)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed
37	2-Methylnaphthalene		5,001.0	µg/mL	+/-	34.9574	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBG8884)			+/-	248.1487	µg/mL	Unstressed
	Purity 99%				+/-	254.2818	µg/mL	Stressed

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

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

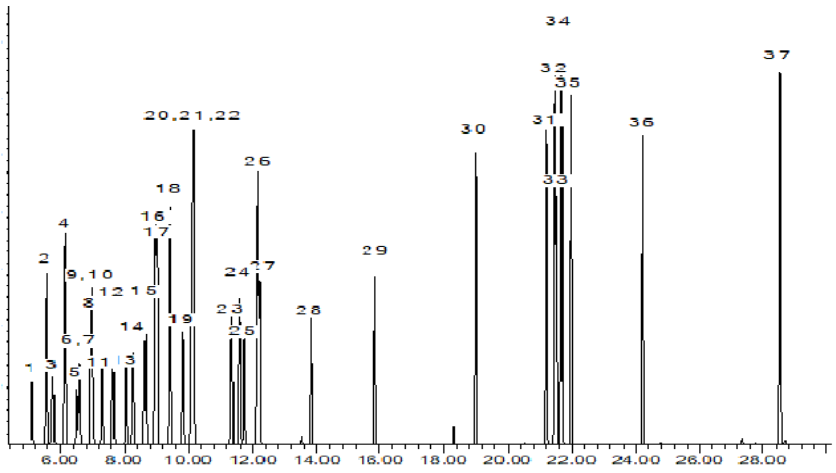
Carrier Gas:
helium-constant pressure 30 psi

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Russ Bookhamer - Operations Technician I

Date Mixed: 16-Jun-2021 **Balance:** B707717271

Alexis Shelow - Operations Tech I

Date Passed: 30-Jun-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00082

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577487 **Lot No.:** A0173454

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Pentane (C5)	5,000.8 µg/mL	+/- 34.9563 µg/mL	Gravimetric
	CAS # 109-66-0 (Lot SHBM6577)		+/- 248.1404 µg/mL	Unstressed
	Purity 99%		+/- 254.2734 µg/mL	Stressed
2	2-Propanol (isopropanol)	25,000.0 µg/mL	+/- 146.3805 µg/mL	Gravimetric
	CAS # 67-63-0 (Lot SHBH7211)		+/- 1,236.8175 µg/mL	Unstressed
	Purity 99%		+/- 1,267.5661 µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,000.0 µg/mL	+/- 34.9505 µg/mL	Gravimetric
	CAS # 76-13-1 (Lot 00016133)		+/- 248.0991 µg/mL	Unstressed
	Purity 99%		+/- 254.2310 µg/mL	Stressed
4	tert-Butanol (TBA)	25,010.0 µg/mL	+/- 146.4390 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,237.3122 µg/mL	Unstressed
	Purity 99%		+/- 1,268.0731 µg/mL	Stressed
5	Methyl acetate	5,000.2 µg/mL	+/- 34.9516 µg/mL	Gravimetric
	CAS # 79-20-9 (Lot SHBM1320)		+/- 248.1073 µg/mL	Unstressed
	Purity 99%		+/- 254.2395 µg/mL	Stressed
6	Iodomethane (methyl iodide)	5,001.7 µg/mL	+/- 34.9621 µg/mL	Gravimetric
	CAS # 74-88-4 (Lot RD210503)		+/- 248.1818 µg/mL	Unstressed
	Purity 99%		+/- 254.3157 µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	5,000.7 µg/mL	+/- 34.9551 µg/mL	Gravimetric
	CAS # 107-05-1 (Lot RD210402)		+/- 248.1321 µg/mL	Unstressed
	Purity 99%		+/- 254.2649 µg/mL	Stressed

8	Carbon disulfide		5,004.2	µg/mL	+/-	34.9796	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	248.3058	µg/mL	Unstressed
	Purity 99%				+/-	254.4428	µg/mL	Stressed
9	Acrylonitrile		12,506.0	µg/mL	+/-	73.2254	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot M25F024)			+/-	618.7056	µg/mL	Unstressed
	Purity 99%				+/-	634.0873	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBM3541)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
11	n-Hexane (C6)		5,000.5	µg/mL	+/-	34.9540	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBL9879)			+/-	248.1239	µg/mL	Unstressed
	Purity 99%				+/-	254.2564	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		5,003.3	µg/mL	+/-	34.9738	µg/mL	Gravimetric
	CAS # 108-20-3	(Lot SHBH1927V)			+/-	248.2645	µg/mL	Unstressed
	Purity 99%				+/-	254.4005	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		5,001.2	µg/mL	+/-	34.9586	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 210413JLM)			+/-	248.1570	µg/mL	Unstressed
	Purity 99%				+/-	254.2903	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 637-92-3	(Lot MKCM3774)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
15	Propionitrile		25,006.7	µg/mL	+/-	146.4195	µg/mL	Gravimetric
	CAS # 107-12-0	(Lot BCCC1173)			+/-	1,237.1473	µg/mL	Unstressed
	Purity 99%				+/-	1,267.9041	µg/mL	Stressed
16	Methacrylonitrile		12,500.7	µg/mL	+/-	73.1942	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012020)			+/-	618.4417	µg/mL	Unstressed
	Purity 99%				+/-	633.8168	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,500.7	µg/mL	+/-	365.9551	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot SHBM4836)			+/-	3,092.0767	µg/mL	Unstressed
	Purity 99%				+/-	3,168.9490	µg/mL	Stressed
18	Tetrahydrofuran		25,010.0	µg/mL	+/-	146.4390	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBM8962)			+/-	1,237.3122	µg/mL	Unstressed
	Purity 99%				+/-	1,268.0731	µg/mL	Stressed
19	Cyclohexane		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot MKCF5831)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
20	1-Butanol		62,504.0	µg/mL	+/-	365.9747	µg/mL	Gravimetric
	CAS # 71-36-3	(Lot SHBM5061)			+/-	3,092.2416	µg/mL	Unstressed
	Purity 99%				+/-	3,169.1180	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 994-05-8	(Lot HMBG7745V)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
22	n-Heptane (C7)		5,002.3	µg/mL	+/-	34.9668	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SHBL9221)			+/-	248.2148	µg/mL	Unstressed
	Purity 99%				+/-	254.3496	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 919-94-8	(Lot 76U3A)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed

24	Methylcyclohexane		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed
25	Methyl methacrylate		5,001.0	µg/mL	+/-	34.9574	µg/mL	Gravimetric
	CAS # 80-62-6	(Lot MKCN3027)			+/-	248.1487	µg/mL	Unstressed
	Purity 99%				+/-	254.2818	µg/mL	Stressed
26	1,4-Dioxane		62,503.3	µg/mL	+/-	365.9708	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBM5092)			+/-	3,092.2086	µg/mL	Unstressed
	Purity 99%				+/-	3,169.0842	µg/mL	Stressed
27	2-Nitropropane		25,000.8	µg/mL	+/-	146.3851	µg/mL	Gravimetric
	CAS # 79-46-9	(Lot BCCB9352)			+/-	1,236.8561	µg/mL	Unstressed
	Purity 97%				+/-	1,267.6056	µg/mL	Stressed
28	Ethyl methacrylate		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
29	1-Chlorohexane		5,000.0	µg/mL	+/-	34.9502	µg/mL	Gravimetric
	CAS # 544-10-5	(Lot BCBS3368V)			+/-	248.0971	µg/mL	Unstressed
	Purity 98%				+/-	254.2290	µg/mL	Stressed
30	trans-1,4-dichloro-2-butene		12,510.9	µg/mL	+/-	73.2539	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD210617)			+/-	618.9463	µg/mL	Unstressed
	Purity 95%				+/-	634.3340	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		5,000.0	µg/mL	+/-	34.9502	µg/mL	Gravimetric
	CAS # 526-73-8	(Lot 8776.10-36)			+/-	248.0971	µg/mL	Unstressed
	Purity 98%				+/-	254.2290	µg/mL	Stressed
32	1,3-Diethylbenzene		5,000.9	µg/mL	+/-	34.9570	µg/mL	Gravimetric
	CAS # 141-93-5	(Lot BCBT8967)			+/-	248.1457	µg/mL	Unstressed
	Purity 98%				+/-	254.2788	µg/mL	Stressed
33	Benzyl chloride		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 100-44-7	(Lot SHBH2102V)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
34	1,4-Diethylbenzene		5,001.4	µg/mL	+/-	34.9605	µg/mL	Gravimetric
	CAS # 105-05-5	(Lot RLHJK)			+/-	248.1700	µg/mL	Unstressed
	Purity 98%				+/-	254.3037	µg/mL	Stressed
35	1,2-Diethylbenzene		5,000.5	µg/mL	+/-	34.9540	µg/mL	Gravimetric
	CAS # 135-01-3	(Lot ECH2970181)			+/-	248.1239	µg/mL	Unstressed
	Purity 99%				+/-	254.2564	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 108-70-3	(Lot 11319AS)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed
37	2-Methylnaphthalene		5,001.0	µg/mL	+/-	34.9574	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBG8884)			+/-	248.1487	µg/mL	Unstressed
	Purity 99%				+/-	254.2818	µg/mL	Stressed

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

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

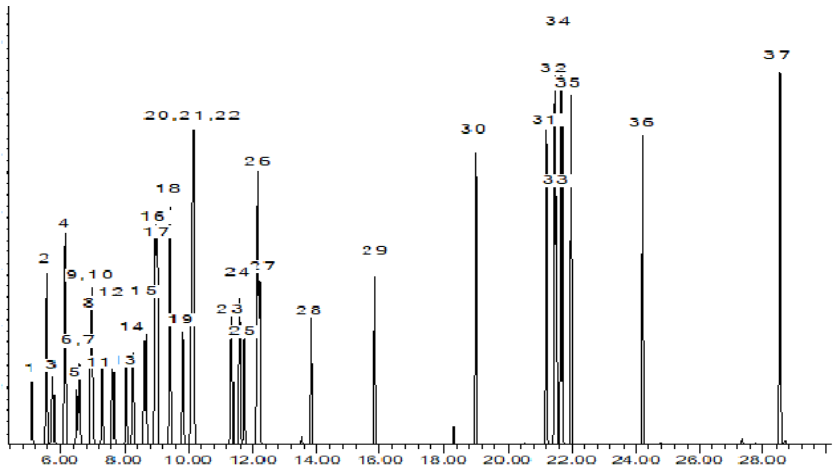
Carrier Gas:
helium-constant pressure 30 psi

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Russ Bookhamer - Operations Technician I

Date Mixed: 16-Jun-2021 **Balance:** B707717271

Alexis Shelow - Operations Tech I

Date Passed: 30-Jun-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Q_Ketones_00069

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721.SEC **Lot No.:** A0178490

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

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

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone	12,504.0 µg/mL	+/- 73.2137 µg/mL	Gravimetric
	CAS # 67-64-1.SEC (Lot S25F025)		+/- 754.4715 µg/mL	Unstressed
	Purity 99%		+/- 756.2625 µg/mL	Stressed
2	2-Butanone (MEK)	12,502.0 µg/mL	+/- 73.2020 µg/mL	Gravimetric
	CAS # 78-93-3.SEC (Lot RGZ2A)		+/- 754.3508 µg/mL	Unstressed
	Purity 99%		+/- 756.1415 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,508.7 µg/mL	+/- 73.2410 µg/mL	Gravimetric
	CAS # 108-10-1.SEC (Lot E29T040)		+/- 754.7530 µg/mL	Unstressed
	Purity 99%		+/- 756.5447 µg/mL	Stressed
4	2-Hexanone	12,507.3 µg/mL	+/- 73.2332 µg/mL	Gravimetric
	CAS # 591-78-6.SEC (Lot Y3TUO)		+/- 754.6726 µg/mL	Unstressed
	Purity 99%		+/- 756.4641 µg/mL	Stressed

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

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

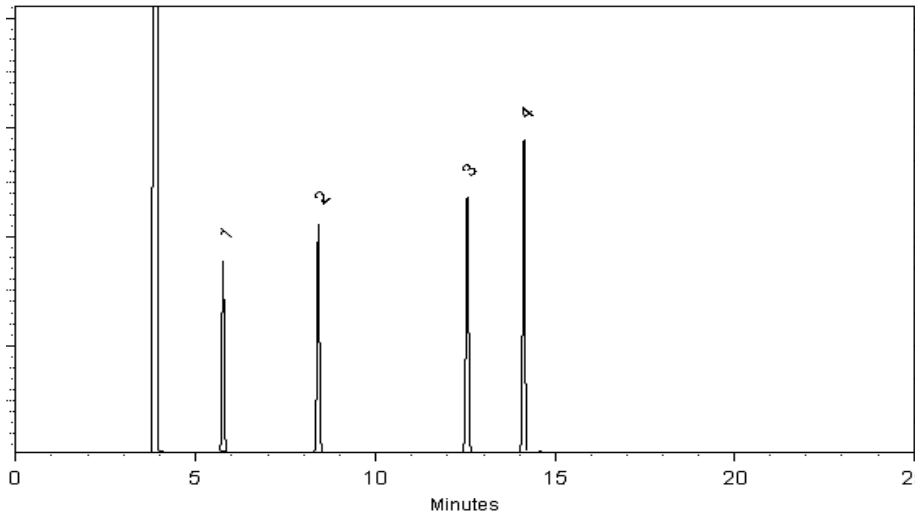
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Jeff Rhoades - Mix Technician

Date Mixed: 15-Nov-2021 **Balance:** 1127510105

Clara Windle - Operations Technician I

Date Passed: 16-Nov-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Q_Ketones_00082

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721.SEC **Lot No.:** A0178490

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

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

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone	12,504.0 µg/mL	+/- 73.2137 µg/mL	Gravimetric
	CAS # 67-64-1.SEC (Lot S25F025)		+/- 754.4715 µg/mL	Unstressed
	Purity 99%		+/- 756.2625 µg/mL	Stressed
2	2-Butanone (MEK)	12,502.0 µg/mL	+/- 73.2020 µg/mL	Gravimetric
	CAS # 78-93-3.SEC (Lot RGZ2A)		+/- 754.3508 µg/mL	Unstressed
	Purity 99%		+/- 756.1415 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,508.7 µg/mL	+/- 73.2410 µg/mL	Gravimetric
	CAS # 108-10-1.SEC (Lot E29T040)		+/- 754.7530 µg/mL	Unstressed
	Purity 99%		+/- 756.5447 µg/mL	Stressed
4	2-Hexanone	12,507.3 µg/mL	+/- 73.2332 µg/mL	Gravimetric
	CAS # 591-78-6.SEC (Lot Y3TUO)		+/- 754.6726 µg/mL	Unstressed
	Purity 99%		+/- 756.4641 µg/mL	Stressed

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

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

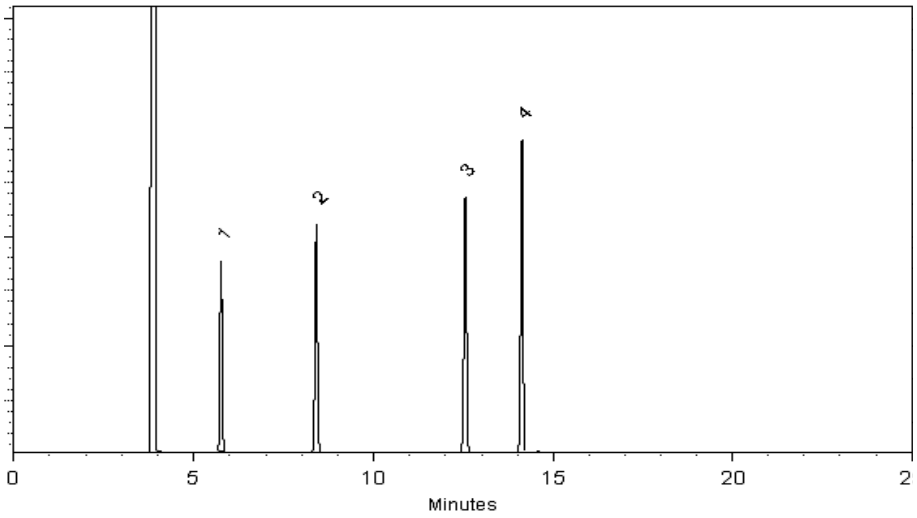
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Jeff Rhoades - Mix Technician

Date Mixed: 15-Nov-2021 **Balance:** 1127510105

Clara Windle - Operations Technician I

Date Passed: 16-Nov-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00094

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488.SEC **Lot No.:** A0172021

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12)	2,014.7 µg/mL	+/- 21.3347 µg/mL	Gravimetric
	CAS # 75-71-8.SEC (Lot 26871)		+/- 114.3626 µg/mL	Unstressed
	Purity 99%		+/- 116.9742 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,018.4 µg/mL	+/- 22.6573 µg/mL	Gravimetric
	CAS # 74-87-3.SEC (Lot 18343)		+/- 114.8157 µg/mL	Unstressed
	Purity 99%		+/- 117.4265 µg/mL	Stressed
3	Vinyl chloride	2,011.6 µg/mL	+/- 18.1502 µg/mL	Gravimetric
	CAS # 75-01-4.SEC (Lot MKBK6872V)		+/- 113.6387 µg/mL	Unstressed
	Purity 99%		+/- 116.2584 µg/mL	Stressed
4	1,3-Butadiene	2,020.9 µg/mL	+/- 15.6985 µg/mL	Gravimetric
	CAS # 106-99-0.SEC (Lot 26996)		+/- 113.7849 µg/mL	Unstressed
	Purity 99%		+/- 116.4253 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,014.3 µg/mL	+/- 52.5641 µg/mL	Gravimetric
	CAS # 74-83-9.SEC (Lot 00017022)		+/- 124.0186 µg/mL	Unstressed
	Purity 99%		+/- 126.4297 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,009.7 µg/mL	+/- 28.6335 µg/mL	Gravimetric
	CAS # 75-00-3.SEC (Lot 00004202)		+/- 115.6738 µg/mL	Unstressed
	Purity 99%		+/- 118.2437 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 11.7371 µg/mL	Gravimetric
	CAS # 75-43-4 * (Lot 10930400)		+/- 112.1494 µg/mL	Unstressed
	Purity 99%		+/- 114.7730 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,010.6	µg/mL	+/-	32.3019	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot 253600)			+/-	116.6827	µg/mL	Unstressed
	Purity 99%				+/-	119.2330	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,020.4	µg/mL	+/-	21.8150	µg/mL	Gravimetric
	CAS # 354-23-4 *	(Lot Q9B-64)			+/-	114.7647	µg/mL	Unstressed
	Purity 99%				+/-	117.3819	µg/mL	Stressed

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

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

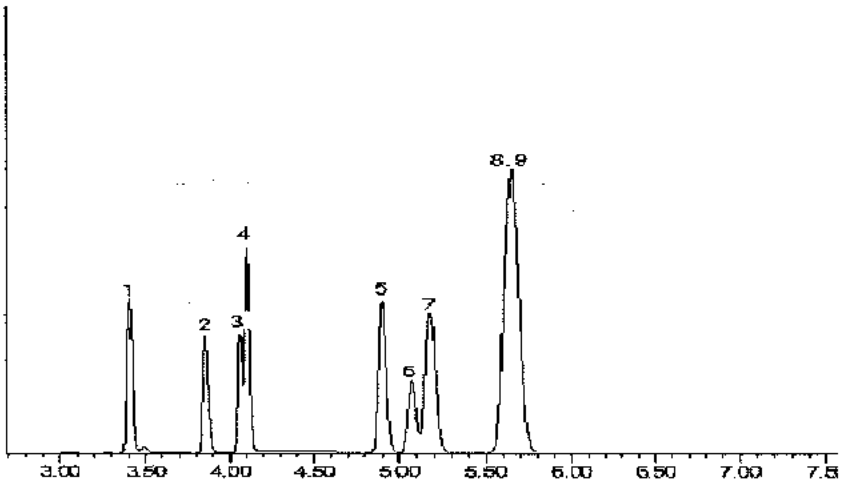
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Lane Kibe - Mix Technician

Date Mixed: 04-May-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech 1

Date Passed: 17-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00104

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488.SEC **Lot No.:** A0172021

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12)	2,014.7 µg/mL	+/- 21.3347 µg/mL	Gravimetric
	CAS # 75-71-8.SEC (Lot 26871)		+/- 114.3626 µg/mL	Unstressed
	Purity 99%		+/- 116.9742 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,018.4 µg/mL	+/- 22.6573 µg/mL	Gravimetric
	CAS # 74-87-3.SEC (Lot 18343)		+/- 114.8157 µg/mL	Unstressed
	Purity 99%		+/- 117.4265 µg/mL	Stressed
3	Vinyl chloride	2,011.6 µg/mL	+/- 18.1502 µg/mL	Gravimetric
	CAS # 75-01-4.SEC (Lot MKBK6872V)		+/- 113.6387 µg/mL	Unstressed
	Purity 99%		+/- 116.2584 µg/mL	Stressed
4	1,3-Butadiene	2,020.9 µg/mL	+/- 15.6985 µg/mL	Gravimetric
	CAS # 106-99-0.SEC (Lot 26996)		+/- 113.7849 µg/mL	Unstressed
	Purity 99%		+/- 116.4253 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,014.3 µg/mL	+/- 52.5641 µg/mL	Gravimetric
	CAS # 74-83-9.SEC (Lot 00017022)		+/- 124.0186 µg/mL	Unstressed
	Purity 99%		+/- 126.4297 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,009.7 µg/mL	+/- 28.6335 µg/mL	Gravimetric
	CAS # 75-00-3.SEC (Lot 00004202)		+/- 115.6738 µg/mL	Unstressed
	Purity 99%		+/- 118.2437 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 11.7371 µg/mL	Gravimetric
	CAS # 75-43-4 * (Lot 10930400)		+/- 112.1494 µg/mL	Unstressed
	Purity 99%		+/- 114.7730 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,010.6	µg/mL	+/-	32.3019	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot 253600)			+/-	116.6827	µg/mL	Unstressed
	Purity 99%				+/-	119.2330	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,020.4	µg/mL	+/-	21.8150	µg/mL	Gravimetric
	CAS # 354-23-4 *	(Lot Q9B-64)			+/-	114.7647	µg/mL	Unstressed
	Purity 99%				+/-	117.3819	µg/mL	Stressed

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

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

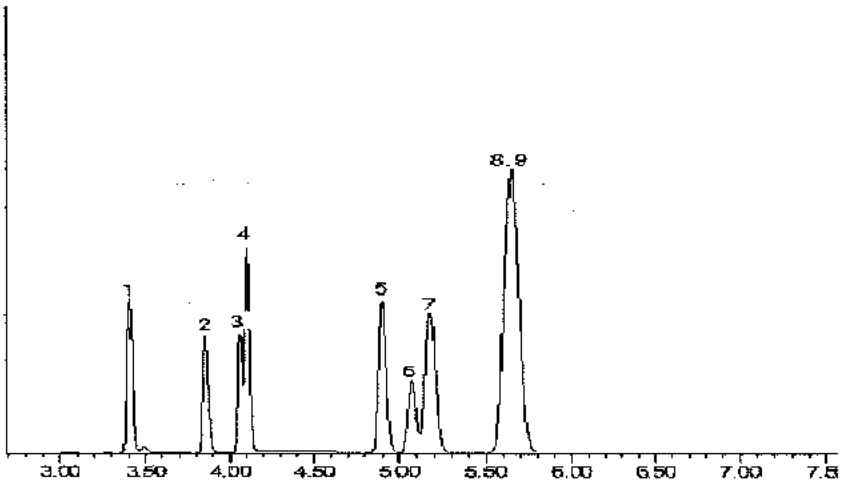
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Lane Kibe - Mix Technician

Date Mixed: 04-May-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech 1

Date Passed: 17-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_2CLEVE_00070

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577492 **Lot No.:** A0171422

Description : Custom 2-CEVE Standard

Custom 2-CEVE Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Chloroethyl vinyl ether	5,010.5 µg/mL	+/- 29.3376 µg/mL	Gravimetric
	CAS # 110-75-8 (Lot MKBS6526V)		+/- 107.3316 µg/mL	Unstressed
	Purity 99%		+/- 110.4487 µg/mL	Stressed

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

Tech Tips:

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

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

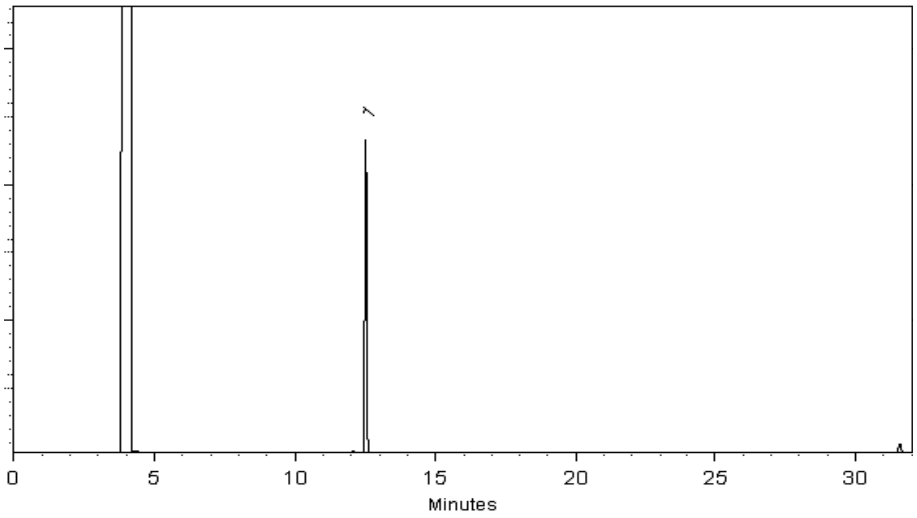
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Russ Bookhamer - Operations Technician I

Date Mixed: 16-Apr-2021 **Balance:** 1128360905

Marlina Cowan - Operations Tech I

Date Passed: 26-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00069

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721 **Lot No.:** A0174287

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

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

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone	12,526.4 µg/mL	+/- 73.3448 µg/mL	Gravimetric
	CAS # 67-64-1 (Lot SHBN3661)		+/- 755.8230 µg/mL	Unstressed
	Purity 99%		+/- 757.6173 µg/mL	Stressed
2	2-Butanone (MEK)	12,543.6 µg/mL	+/- 73.4455 µg/mL	Gravimetric
	CAS # 78-93-3 (Lot SHBL5543)		+/- 756.8609 µg/mL	Unstressed
	Purity 99%		+/- 758.6575 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,534.8 µg/mL	+/- 73.3940 µg/mL	Gravimetric
	CAS # 108-10-1 (Lot SHBM7956)		+/- 756.3299 µg/mL	Unstressed
	Purity 99%		+/- 758.1253 µg/mL	Stressed
4	2-Hexanone	12,617.6 µg/mL	+/- 73.8788 µg/mL	Gravimetric
	CAS # 591-78-6 (Lot MKCL1599)		+/- 761.3259 µg/mL	Unstressed
	Purity 99%		+/- 763.1332 µg/mL	Stressed

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

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

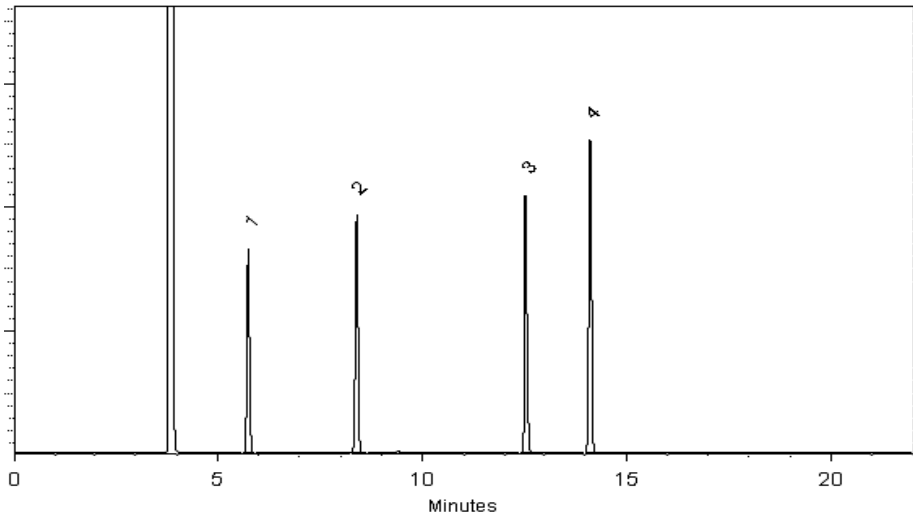
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Sam Moodler - Operations Tech I

Date Mixed: 11-Jul-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 13-Jul-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00080

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721 **Lot No.:** A0174287

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

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

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone	12,526.4 µg/mL	+/- 73.3448 µg/mL	Gravimetric
	CAS # 67-64-1 (Lot SHBN3661)		+/- 755.8230 µg/mL	Unstressed
	Purity 99%		+/- 757.6173 µg/mL	Stressed
2	2-Butanone (MEK)	12,543.6 µg/mL	+/- 73.4455 µg/mL	Gravimetric
	CAS # 78-93-3 (Lot SHBL5543)		+/- 756.8609 µg/mL	Unstressed
	Purity 99%		+/- 758.6575 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,534.8 µg/mL	+/- 73.3940 µg/mL	Gravimetric
	CAS # 108-10-1 (Lot SHBM7956)		+/- 756.3299 µg/mL	Unstressed
	Purity 99%		+/- 758.1253 µg/mL	Stressed
4	2-Hexanone	12,617.6 µg/mL	+/- 73.8788 µg/mL	Gravimetric
	CAS # 591-78-6 (Lot MKCL1599)		+/- 761.3259 µg/mL	Unstressed
	Purity 99%		+/- 763.1332 µg/mL	Stressed

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

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

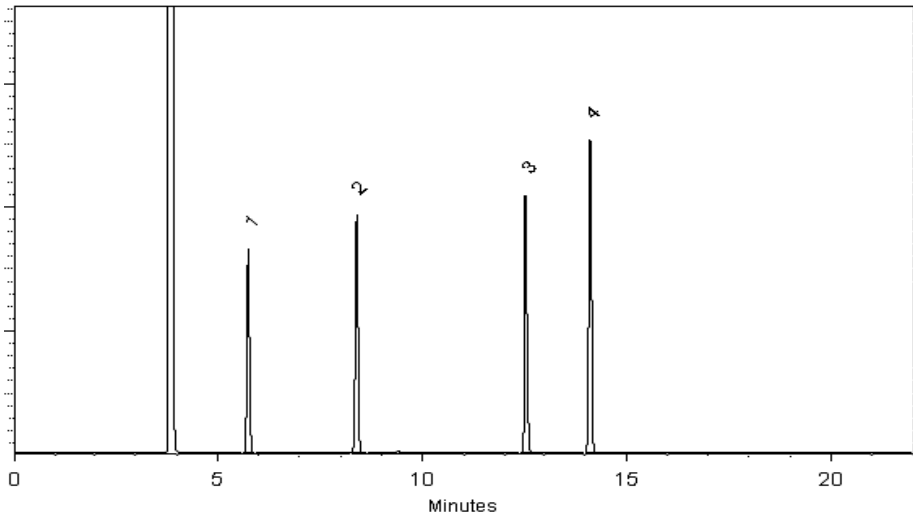
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Sam Moodler - Operations Tech I

Date Mixed: 11-Jul-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 13-Jul-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

OP_RES_LCSadd_00001

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Composition

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 576938 **Lot No.:** A0166837

Description : Custom 8270/625 Add-in Standard

Custom 8270/625 Add-ins Standard 2,000µg/mL, Methylene chloride, 5mL/ampul

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

Expiration Date : December 31, 2023 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	N,N-Dimethylformamide **CAS #** 68-12-2 **Purity** 99%	(Lot SHBL5825)	2,011.8 µg/mL	+/- 11.7235 +/- 91.6231 +/- 132.2992	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	alpha-Methylstyrene **CAS #** 98-83-9 **Purity** 99%	(Lot MKBS2502V)	2,006.0 µg/mL	+/- 11.6900 +/- 91.3612 +/- 131.9211	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	a-Terpineol **CAS #** 98-55-5 **Purity** 96%	(Lot ASB00020105-001)	2,011.4 µg/mL	+/- 11.7217 +/- 91.6089 +/- 132.2788	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	2,3-Dichloroaniline **CAS #** 608-27-5 **Purity** 99%	(Lot FBV01)	1,986.8 µg/mL	+/- 11.5778 +/- 90.4845 +/- 130.6551	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	n-Tetradecane (C14) **CAS #** 629-59-4 **Purity** 99%	(Lot STBJ3715)	2,003.0 µg/mL	+/- 11.6725 +/- 91.2245 +/- 131.7238	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Diphenyl ether **CAS #** 101-84-8 **Purity** 99%	(Lot SHBL5909)	2,004.5 µg/mL	+/- 11.6813 +/- 91.2929 +/- 131.8224	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	1-Methylphenanthrene **CAS #** 832-69-9 **Purity** 99%	(Lot 10916300)	2,011.8 µg/mL	+/- 11.7235 +/- 91.6231 +/- 132.2992	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	n-Eicosane (C20) **CAS #** 112-95-8 **Purity** 99%	(Lot MKCF7888)	2,010.5	µg/mL	+/- 11.7162 +/- 91.5661 +/- 132.2170	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Octachlorostyrene **CAS #** 29082-74-4 **Purity** 99%	(Lot NT058409)	2,008.5	µg/mL	+/- 11.7046 +/- 91.4750 +/- 132.0855	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	n-Docosane (C22) **CAS #** 629-97-0 **Purity** 99%	(Lot MKCH2086)	2,010.8	µg/mL	+/- 11.7177 +/- 91.5775 +/- 132.2335	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

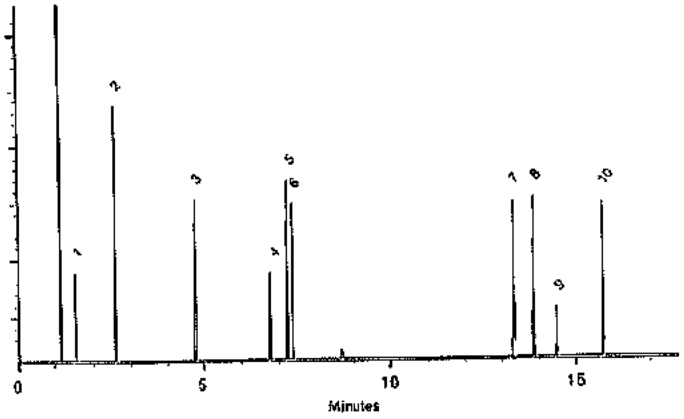
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



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

Bradley Meyer

Date Mixed: 03-Dec-2020 **Balance:** 1128353505

Justine Albertson - Operations Tech-ARM QC

Date Passed: 07-Dec-2020

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): R-624SilMS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
FBS010_082022	410-94417-1	119	109	95	88
FBW001_082022	410-94417-2	117	109	96	90
DUP-01_082022	410-94417-3	118	109	96	90
FB-01_082022	410-94417-4	120	107	95	87
Trip Blank	410-94417-5	119	110	95	89
	MB 410-289040/7	116	107	95	90
	LCS 410-289040/4	108	107	101	100
	LCSD 410-289040/5	109	104	102	101
FBS010-MS_082022 MS	410-94417-1 MS	109	105	101	102
FBS010-MSD_082022 MSD	410-94417-1 MSD	107	105	101	101

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

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YG24X03.D

Lab ID: LCS 410-289040/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.5	108	67-126	
1,1,2,2-Tetrachloroethane	20.0	18.5	93	72-120	
1,1,2-Trichloroethane	20.0	19.7	99	80-120	
1,1-Dichloroethane	20.0	19.5	97	80-120	
1,1-Dichloroethene	20.0	20.0	100	80-131	
1,2,4-Trichlorobenzene	20.0	16.9	84	63-120	
1,2,4-Trimethylbenzene	20.0	18.2	91	75-120	
1,2-Dibromo-3-Chloropropane	20.0	16.2	81	47-131	
1,2-Dibromoethane	20.0	20.0	100	77-120	
1,2-Dichlorobenzene	20.0	19.3	96	80-120	
1,2-Dichloroethane	20.0	21.4	107	73-124	
1,2-Dichloropropane	20.0	18.8	94	80-120	
1,3,5-Trimethylbenzene	20.0	17.9	90	75-120	
1,3-Dichlorobenzene	20.0	19.2	96	80-120	
1,4-Dichlorobenzene	20.0	19.5	98	80-120	
2-Butanone	250	255	102	59-135	
2-Hexanone	250	271	109	56-135	
4-Methyl-2-pentanone	250	257	103	62-133	
Acetone	250	265	106	54-157	
Benzene	20.0	19.6	98	80-120	
Bromodichloromethane	20.0	20.6	103	71-120	
Bromoform	20.0	19.9	99	51-120	
Bromomethane	20.0	15.7	78	53-128	
Carbon disulfide	20.0	19.9	99	65-128	
Carbon tetrachloride	20.0	22.7	113	64-134	
Chlorobenzene	20.0	19.2	96	80-120	
Chloroethane	20.0	17.4	87	55-123	
Chloroform	20.0	20.8	104	80-120	
Chloromethane	20.0	16.3	81	56-121	
cis-1,2-Dichloroethene	20.0	21.1	106	80-125	
cis-1,3-Dichloropropene	20.0	18.5	92	75-120	
Cyclohexane	20.0	16.5	83	68-126	
Dibromochloromethane	20.0	20.0	100	71-120	
Dichlorodifluoromethane	20.0	18.4	92	41-127	
Ethylbenzene	20.0	18.6	93	80-120	
Freon 113	20.0	19.1	96	73-139	
Isopropylbenzene	20.0	18.5	93	80-120	
Methyl acetate	20.0	23.5	118	54-136	
Methyl tertiary butyl ether	20.0	19.7	99	69-122	
Methylcyclohexane	20.0	17.2	86	67-121	
Methylene Chloride	20.0	20.3	101	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YG24X03.D

Lab ID: LCS 410-289040/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Styrene	20.0	19.4	97	80-120	
Tetrachloroethene	20.0	19.9	100	80-120	
Toluene	20.0	18.8	94	80-120	
trans-1,2-Dichloroethene	20.0	20.2	101	80-126	
trans-1,3-Dichloropropene	20.0	19.8	99	67-120	
Trichloroethene	20.0	19.6	98	80-120	
Trichlorofluoromethane	20.0	19.3	97	55-135	
Vinyl chloride	20.0	14.8	74	56-120	
Xylenes, Total	60.0	56.8	95	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YG24X04.D

Lab ID: LCSD 410-289040/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.7	103	4	30	67-126	
1,1,2,2-Tetrachloroethane	20.0	17.9	89	4	30	72-120	
1,1,2-Trichloroethane	20.0	18.9	94	5	30	80-120	
1,1-Dichloroethane	20.0	19.2	96	1	30	80-120	
1,1-Dichloroethene	20.0	19.7	98	1	30	80-131	
1,2,4-Trichlorobenzene	20.0	16.2	81	4	30	63-120	
1,2,4-Trimethylbenzene	20.0	18.0	90	1	30	75-120	
1,2-Dibromo-3-Chloropropane	20.0	16.0	80	2	30	47-131	
1,2-Dibromoethane	20.0	18.8	94	6	30	77-120	
1,2-Dichlorobenzene	20.0	18.4	92	5	30	80-120	
1,2-Dichloroethane	20.0	20.5	102	5	30	73-124	
1,2-Dichloropropane	20.0	18.3	92	2	30	80-120	
1,3,5-Trimethylbenzene	20.0	17.6	88	2	30	75-120	
1,3-Dichlorobenzene	20.0	18.7	93	3	30	80-120	
1,4-Dichlorobenzene	20.0	18.7	94	4	30	80-120	
2-Butanone	250	242	97	5	30	59-135	
2-Hexanone	250	260	104	4	30	56-135	
4-Methyl-2-pentanone	250	245	98	4	30	62-133	
Acetone	250	250	100	6	30	54-157	
Benzene	20.0	18.8	94	4	30	80-120	
Bromodichloromethane	20.0	19.6	98	5	30	71-120	
Bromoform	20.0	18.9	95	5	30	51-120	
Bromomethane	20.0	14.9	75	5	30	53-128	
Carbon disulfide	20.0	18.7	94	6	30	65-128	
Carbon tetrachloride	20.0	21.8	109	4	30	64-134	
Chlorobenzene	20.0	18.4	92	4	30	80-120	
Chloroethane	20.0	16.7	83	4	30	55-123	
Chloroform	20.0	20.1	100	4	30	80-120	
Chloromethane	20.0	15.1	75	8	30	56-121	
cis-1,2-Dichloroethene	20.0	20.8	104	2	30	80-125	
cis-1,3-Dichloropropene	20.0	17.5	88	5	30	75-120	
Cyclohexane	20.0	15.9	79	4	30	68-126	
Dibromochloromethane	20.0	19.2	96	4	30	71-120	
Dichlorodifluoromethane	20.0	17.6	88	4	30	41-127	
Ethylbenzene	20.0	18.3	91	2	30	80-120	
Freon 113	20.0	18.2	91	5	30	73-139	
Isopropylbenzene	20.0	17.9	90	3	30	80-120	
Methyl acetate	20.0	20.2	101	15	30	54-136	
Methyl tertiary butyl ether	20.0	19.0	95	4	30	69-122	
Methylcyclohexane	20.0	16.7	84	3	30	67-121	
Methylene Chloride	20.0	19.8	99	3	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YG24X04.D

Lab ID: LCSD 410-289040/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	20.0	18.6	93	4	30	80-120	
Tetrachloroethene	20.0	19.0	95	5	30	80-120	
Toluene	20.0	18.3	92	3	30	80-120	
trans-1,2-Dichloroethene	20.0	19.7	99	2	30	80-126	
trans-1,3-Dichloropropene	20.0	18.9	95	4	30	67-120	
Trichloroethene	20.0	19.2	96	2	30	80-120	
Trichlorofluoromethane	20.0	18.1	90	7	30	55-135	
Vinyl chloride	20.0	14.2	71	4	30	56-120	
Xylenes, Total	60.0	54.6	91	4	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YG24X21.D

Lab ID: 410-94417-1 MS Client ID: FBS010-MS_082022 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	ND	24.7	124	67-126	
1,1,2,2-Tetrachloroethane	20.0	ND	19.2	96	72-120	
1,1,2-Trichloroethane	20.0	ND	21.6	108	80-120	
1,1-Dichloroethane	20.0	ND	21.9	110	80-120	
1,1-Dichloroethene	20.0	ND	23.3	117	80-131	
1,2,4-Trichlorobenzene	20.0	ND	16.7	83	63-120	
1,2,4-Trimethylbenzene	20.0	ND	20.0	100	75-120	
1,2-Dibromo-3-Chloropropane	20.0	ND	17.5	88	47-131	
1,2-Dibromoethane	20.0	ND	21.4	107	77-120	
1,2-Dichlorobenzene	20.0	ND	20.3	101	80-120	
1,2-Dichloroethane	20.0	ND	23.7	118	73-124	
1,2-Dichloropropane	20.0	ND	21.2	106	80-120	
1,3,5-Trimethylbenzene	20.0	ND	20.0	100	75-120	
1,3-Dichlorobenzene	20.0	ND	21.0	105	80-120	
1,4-Dichlorobenzene	20.0	ND	20.8	104	80-120	
2-Butanone	250	ND	264	106	59-135	
2-Hexanone	250	ND	291	116	56-135	
4-Methyl-2-pentanone	250	ND	269	108	62-133	
Acetone	250	ND	280	112	54-157	
Benzene	20.0	ND	22.2	111	80-120	
Bromodichloromethane	20.0	ND	22.6	113	71-120	
Bromoform	20.0	ND	21.4	107	51-120	
Bromomethane	20.0	ND	18.6	93	53-128	
Carbon disulfide	20.0	ND	23.1	115	65-128	
Carbon tetrachloride	20.0	ND	26.8	134	64-134	
Chlorobenzene	20.0	ND	21.5	107	80-120	
Chloroethane	20.0	ND	19.9	99	55-123	
Chloroform	20.0	ND	23.4	117	80-120	
Chloromethane	20.0	ND	19.3	97	56-121	
cis-1,2-Dichloroethene	20.0	ND	23.9	119	80-125	
cis-1,3-Dichloropropene	20.0	ND	19.0	95	75-120	
Cyclohexane	20.0	ND	20.1	100	68-126	
Dibromochloromethane	20.0	ND	21.9	109	71-120	
Dichlorodifluoromethane	20.0	ND	24.2	121	41-127	
Ethylbenzene	20.0	ND	21.5	108	80-120	
Freon 113	20.0	ND	23.6	118	73-139	
Isopropylbenzene	20.0	ND	21.0	105	80-120	
Methyl acetate	20.0	ND	25.2	126	54-136	
Methyl tertiary butyl ether	20.0	ND	20.4	102	69-122	
Methylcyclohexane	20.0	ND	21.4	107	67-121	
Methylene Chloride	20.0	ND	22.8	114	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YG24X21.D

Lab ID: 410-94417-1 MS Client ID: FBS010-MS_082022 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Styrene	20.0	ND	21.8	109	80-120	
Tetrachloroethene	20.0	ND	23.6	118	80-120	
Toluene	20.0	ND	21.6	108	80-120	
trans-1,2-Dichloroethene	20.0	ND	23.1	115	80-126	
trans-1,3-Dichloropropene	20.0	ND	21.0	105	67-120	
Trichloroethene	20.0	ND	22.3	111	80-120	
Trichlorofluoromethane	20.0	ND	23.7	118	55-135	
Vinyl chloride	20.0	ND	18.4	92	56-120	
Xylenes, Total	60.0	ND	63.9	107	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YG24X22.D

Lab ID: 410-94417-1 MSD Client ID: FBS010-MSD_082022 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	23.7	118	4	30	67-126	
1,1,2,2-Tetrachloroethane	20.0	18.2	91	5	30	72-120	
1,1,2-Trichloroethane	20.0	20.6	103	5	30	80-120	
1,1-Dichloroethane	20.0	21.2	106	3	30	80-120	
1,1-Dichloroethene	20.0	22.6	113	3	30	80-131	
1,2,4-Trichlorobenzene	20.0	17.1	86	3	30	63-120	
1,2,4-Trimethylbenzene	20.0	19.4	97	3	30	75-120	
1,2-Dibromo-3-Chloropropane	20.0	16.6	83	5	30	47-131	
1,2-Dibromoethane	20.0	20.7	104	3	30	77-120	
1,2-Dichlorobenzene	20.0	19.7	98	3	30	80-120	
1,2-Dichloroethane	20.0	22.5	112	5	30	73-124	
1,2-Dichloropropane	20.0	20.2	101	4	30	80-120	
1,3,5-Trimethylbenzene	20.0	19.3	97	4	30	75-120	
1,3-Dichlorobenzene	20.0	20.1	101	5	30	80-120	
1,4-Dichlorobenzene	20.0	19.8	99	5	30	80-120	
2-Butanone	250	253	101	4	30	59-135	
2-Hexanone	250	275	110	6	30	56-135	
4-Methyl-2-pentanone	250	254	102	6	30	62-133	
Acetone	250	277	111	1	30	54-157	
Benzene	20.0	21.2	106	5	30	80-120	
Bromodichloromethane	20.0	21.5	108	5	30	71-120	
Bromoform	20.0	20.3	102	5	30	51-120	
Bromomethane	20.0	17.1	86	9	30	53-128	
Carbon disulfide	20.0	21.5	107	7	30	65-128	
Carbon tetrachloride	20.0	25.7	129	4	30	64-134	
Chlorobenzene	20.0	20.6	103	4	30	80-120	
Chloroethane	20.0	19.3	97	3	30	55-123	
Chloroform	20.0	22.4	112	5	30	80-120	
Chloromethane	20.0	18.1	91	6	30	56-121	
cis-1,2-Dichloroethene	20.0	22.7	114	5	30	80-125	
cis-1,3-Dichloropropene	20.0	18.0	90	5	30	75-120	
Cyclohexane	20.0	19.2	96	4	30	68-126	
Dibromochloromethane	20.0	20.9	105	5	30	71-120	
Dichlorodifluoromethane	20.0	23.2	116	4	30	41-127	
Ethylbenzene	20.0	20.5	103	5	30	80-120	
Freon 113	20.0	22.6	113	5	30	73-139	
Isopropylbenzene	20.0	20.4	102	3	30	80-120	
Methyl acetate	20.0	18.7	94	30	30	54-136	
Methyl tertiary butyl ether	20.0	19.7	99	3	30	69-122	
Methylcyclohexane	20.0	20.4	102	5	30	67-121	
Methylene Chloride	20.0	22.0	110	3	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YG24X22.D

Lab ID: 410-94417-1 MSD Client ID: FBS010-MSD_082022 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	20.0	20.4	102	7	30	80-120	
Tetrachloroethene	20.0	22.4	112	5	30	80-120	
Toluene	20.0	20.6	103	5	30	80-120	
trans-1,2-Dichloroethene	20.0	22.0	110	5	30	80-126	
trans-1,3-Dichloropropene	20.0	20.1	100	5	30	67-120	
Trichloroethene	20.0	21.5	107	4	30	80-120	
Trichlorofluoromethane	20.0	22.1	111	7	30	55-135	
Vinyl chloride	20.0	17.9	90	3	30	56-120	
Xylenes, Total	60.0	60.8	101	5	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Lab File ID: YG24X06.D Lab Sample ID: MB 410-289040/7

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

Instrument ID: 9355 Date Analyzed: 08/24/2022 10:55

GC Column: R-624SilMS 30m ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-289040/4	YG24X03.D	08/24/2022 09:48
	LCSD 410-289040/5	YG24X04.D	08/24/2022 10:10
FB-01_082022	410-94417-4	YG24X09.D	08/24/2022 12:08
Trip Blank	410-94417-5	YG24X10.D	08/24/2022 12:30
FBS010_082022	410-94417-1	YG24X20.D	08/24/2022 16:10
FBS010-MS_082022 MS	410-94417-1 MS	YG24X21.D	08/24/2022 16:33
FBS010-MSD_082022 MSD	410-94417-1 MSD	YG24X22.D	08/24/2022 16:55
FBW001_082022	410-94417-2	YG24X23.D	08/24/2022 17:17
DUP-01_082022	410-94417-3	YG24X24.D	08/24/2022 17:39

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: YU07T01.D BFB Injection Date: 06/07/2022

Instrument ID: 9355 BFB Injection Time: 14:38

Analysis Batch No.: 262892

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.2	
75	30.0 - 60.0 % of mass 95	45.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	81.0	
175	5.0 - 9.0 % of mass 174	6.1	(7.5) 1
176	95.0 - 101.0 % of mass 174	79.8	(98.6) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-262892/18	YU07X12.D	06/07/2022	15:15
	IC 410-262892/17	YU07X13.D	06/07/2022	15:37
	ICIS 410-262892/16	YU07X14.D	06/07/2022	16:00
	IC 410-262892/15	YU07X15.D	06/07/2022	16:22
	IC 410-262892/14	YU07X16.D	06/07/2022	16:44
	IC 410-262892/13	YU07X17.D	06/07/2022	17:06
	IC 410-262892/12	YU07X18.D	06/07/2022	17:28
	ICV 410-262892/20	YU07X20.D	06/07/2022	18:12

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: YG24T01.D BFB Injection Date: 08/24/2022

Instrument ID: 9355 BFB Injection Time: 08:33

Analysis Batch No.: 289040

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.3	
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	7.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	72.2	
175	5.0 - 9.0 % of mass 174	6.3	(8.7) 1
176	95.0 - 101.0 % of mass 174	71.0	(98.3) 1
177	5.0 - 9.0 % of mass 176	4.8	(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 410-289040/3	YG24X02.D	08/24/2022	9:26
	LCS 410-289040/4	YG24X03.D	08/24/2022	9:48
	LCSD 410-289040/5	YG24X04.D	08/24/2022	10:10
	MB 410-289040/7	YG24X06.D	08/24/2022	10:55
FB-01_082022	410-94417-4	YG24X09.D	08/24/2022	12:08
Trip Blank	410-94417-5	YG24X10.D	08/24/2022	12:30
FBS010_082022	410-94417-1	YG24X20.D	08/24/2022	16:10
FBS010-MS_082022 MS	410-94417-1 MS	YG24X21.D	08/24/2022	16:33
FBS010-MSD_082022 MSD	410-94417-1 MSD	YG24X22.D	08/24/2022	16:55
FBW001_082022	410-94417-2	YG24X23.D	08/24/2022	17:17
DUP-01_082022	410-94417-3	YG24X24.D	08/24/2022	17:39

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: ICIS 410-262892/16 Date Analyzed: 06/07/2022 16:00

Instrument ID: 9355 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): YU07X14.D Heated Purge: (Y/N) N

Calibration ID: 39396

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		360733	4.23	753243	7.76	566011	11.24
UPPER LIMIT		721466	4.73	1506486	8.26	1132022	11.74
LOWER LIMIT		180367	3.73	376622	7.26	283006	10.74
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-262892/20		330146	4.24	694595	7.76	519800	11.24
CCVIS 410-289040/3		339072	4.22	778013	7.76	595465	11.23

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

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 Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: ICIS 410-262892/16 Date Analyzed: 06/07/2022 16:00

Instrument ID: 9355 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): YU07X14.D Heated Purge: (Y/N) N

Calibration ID: 39396

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		328609	13.12				
UPPER LIMIT		657218	13.62				
LOWER LIMIT		164305	12.62				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-262892/20		311956	13.12				
CCVIS 410-289040/3		365458	13.12				

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 Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-289040/3 Date Analyzed: 08/24/2022 09:26

Instrument ID: 9355 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): YG24X02.D Heated Purge: (Y/N) N

Calibration ID: 39396

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		339072	4.22	778013	7.76	595465	11.23
UPPER LIMIT		678144	4.72	1556026	8.26	1190930	11.73
LOWER LIMIT		169536	3.72	389007	7.26	297733	10.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-289040/4		341661	4.24	750288	7.76	568439	11.24
LCSD 410-289040/5		366213	4.26	799207	7.76	603457	11.24
MB 410-289040/7		319490	4.25	720069	7.76	533951	11.24
410-94417-4	FB-01_082022	269209	4.25	644929	7.76	483949	11.24
410-94417-5	Trip Blank	285368	4.24	675898	7.76	508030	11.24
410-94417-1	FBS010_082022	303162	4.25	673107	7.76	505409	11.24
410-94417-1 MS	FBS010-MS_082022 MS	311619	4.23	714038	7.76	538555	11.24
410-94417-1 MSD	FBS010-MSD_082022 MSD	336192	4.24	760963	7.76	570878	11.24
410-94417-2	FBW001_082022	290374	4.24	691043	7.76	516299	11.24
410-94417-3	DUP-01_082022	289277	4.24	672909	7.76	504863	11.24

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

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 Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-289040/3 Date Analyzed: 08/24/2022 09:26

Instrument ID: 9355 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): YG24X02.D Heated Purge: (Y/N) N

Calibration ID: 39396

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		365458	13.12				
UPPER LIMIT		730916	13.62				
LOWER LIMIT		182729	12.62				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-289040/4		347921	13.12				
LCSD 410-289040/5		364108	13.12				
MB 410-289040/7		301813	13.12				
410-94417-4	FB-01_082022	279358	13.12				
410-94417-5	Trip Blank	292100	13.12				
410-94417-1	FBS010_082022	286599	13.12				
410-94417-1 MS	FBS010-MS_082022 MS	336603	13.12				
410-94417-1 MSD	FBS010-MSD_082022 MSD	355309	13.12				
410-94417-2	FBW001_082022	282248	13.12				
410-94417-3	DUP-01_082022	297132	13.12				

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 Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010_082022 Lab Sample ID: 410-94417-1

Matrix: Water Lab File ID: YG24X20.D

Analysis Method: 8260C Date Collected: 08/11/2022 12:05

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 16:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	ND		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	ND		5.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND	cn	1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.20
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND	cn	5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010_082022 Lab Sample ID: 410-94417-1

Matrix: Water Lab File ID: YG24X20.D

Analysis Method: 8260C Date Collected: 08/11/2022 12:05

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 16:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30
98-82-8	Isopropylbenzene	ND		5.0	0.20
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND	cn	1.0	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		80-120
460-00-4	4-Bromofluorobenzene (Surr)	88		80-120
1868-53-7	Dibromofluoromethane (Surr)	119		80-120
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X20.D
Lims ID: 410-94417-A-1
Client ID: FBS010_082022
Sample Type: Client
Inject. Date: 24-Aug-2022 16:10:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-020
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:53:15 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:53:14

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.952				ND	
3	Dichlorodifluoromethane	85		1.989				ND	
2	Chlorodifluoromethane	51		2.007				ND	
4	Chloromethane	50		2.196				ND	
5	Vinyl chloride	62		2.299				ND	
6	Butadiene	39		2.318				ND	
7	2-Chloro-1,1,1-Trifluoroethane	118		2.397				ND	
8	Bromomethane	94		2.640				ND	
9	Chloroethane	64		2.725				ND	
10	Dichlorofluoromethane	67		2.962				ND	
11	Trichlorofluoromethane	101		3.048				ND	
12	Pentane	43		3.048				ND	7
13	Ethanol	45		3.236				ND	
14	Ethyl ether	59		3.254				ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		3.352				ND	
16	Acrolein	56		3.419				ND	
17	1,1-Dichloroethene	96		3.577				ND	
18	Acetone	58		3.577				ND	
19	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.638				ND	
20	Isopropyl alcohol	45		3.741				ND	
21	Iodomethane	142		3.790				ND	
22	Carbon disulfide	76		3.899				ND	
23	Acetonitrile	41		3.984				ND	
24	Methyl acetate	43		4.015				ND	
25	3-Chloro-1-propene	41		4.051				ND	
* 26	t-Butyl alcohol-d10 (IS)	65	4.246	4.222	0.024	25	303162	250.0	
27	Methylene Chloride	84		4.240				ND	
28	2-Methyl-2-propanol	59		4.349				ND	
29	Acrylonitrile	53		4.550				ND	
31	Methyl tert-butyl ether	73		4.654				ND	
32	trans-1,2-Dichloroethene	96		4.672				ND	
33	Hexane	57		5.092				ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	35 1,1-Dichloroethane	63		5.317				ND	
	34 Vinyl acetate	43		5.335				ND	
	36 Isopropyl ether	45		5.378				ND	
T	37 Vinyl acetate (TIC)	43		5.420				ND	
	38 2-Chloro-1,3-butadiene	53		5.432				ND	
	39 Tert-butyl ethyl ether	59		5.919				ND	
	40 2-Butanone (MEK)	43		6.114				ND	
	42 cis-1,2-Dichloroethene	96		6.150				ND	
S	41 1,2-Dichloroethene, Total	100		6.155				ND	7
	43 Propionitrile	54		6.174				ND	
	44 2,2-Dichloropropane	77		6.181				ND	
	45 Ethyl acetate	43		6.205				ND	
T	46 Ethyl Acetate TIC	43		6.284				ND	
	47 Methacrylonitrile	67		6.406				ND	
	48 Chlorobromomethane	128		6.485				ND	
	49 Tetrahydrofuran	71		6.509				ND	
	50 Chloroform	83		6.637				ND	7
$	51 Dibromofluoromethane (Surr)	113	6.856	6.856	0.000	93	191600	59.3	
	52 1,1,1-Trichloroethane	97		6.880				ND	
	53 Cyclohexane	56		7.002				ND	
	54 1,1-Dichloropropene	75		7.087				ND	
	55 Carbon tetrachloride	117		7.099				ND	
	56 Isobutyl alcohol	41		7.209				ND	
$	57 1,2-Dichloroethane-d4 (Surr)	102	7.324	7.312	0.012	84	45193	54.4	
	58 Benzene	78		7.349				ND	
	60 1,2-Dichloroethane	62		7.422				ND	
	59 Isopropyl acetate	43		7.434				ND	
	61 Tert-amyl methyl ether	73		7.543				ND	
*	62 Fluorobenzene (IS)	96	7.762	7.756	0.006	99	673107	50.0	
	63 n-Heptane	43		7.774				ND	
	64 t-Amyl alcohol	73	7.768	7.842	-0.074	34	8745	NC	
	65 n-Butanol	56		8.097				ND	
	66 Trichloroethene	95		8.243				ND	
	67 Methylcyclohexane	83		8.565				ND	
	68 1,2-Dichloropropane	63		8.571				ND	
	69 2-ethoxy-2-methyl butane	87		8.578				ND	
	70 Methyl methacrylate	69		8.651				ND	
	71 1,4-Dioxane	88		8.657				ND	
	72 Dibromomethane	93		8.687				ND	
	73 n-Propyl acetate	61		8.736				ND	
	74 Dichlorobromomethane	83		8.918				ND	
	75 2-Nitropropane	41		9.162				ND	
	76 2-Chloroethyl vinyl ether	63		9.277				ND	
	77 cis-1,3-Dichloropropene	75		9.460				ND	
	78 4-Methyl-2-pentanone (MIBK)	43		9.618				ND	
$	79 Toluene-d8 (Surr)	98	9.776	9.776	0.000	94	640024	47.6	
	80 Toluene	92		9.849				ND	
T	85 tert-amyl alcohol TIC	59		10.000				ND	U
T	88 Propane TIC	43		10.000				ND	U
T	86 Propene oxide TIC	58		10.000				ND	U
T	90 Ethyl acrylate TIC	55		10.000				ND	U
T	84 Isooctane TIC	57		10.000				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
T 83 Ethylene oxide TIC	43		10.000				ND	U
T 82 1,3-Dichlorobutene-2(total) TIC	89		10.000				ND	U
T 81 Propionaldehyde TIC	58		10.000				ND	U
T 89 2,3,4-Trichlorobutene TIC	109	13.122	10.000	3.122	0	487	0.0362	
T 91 n-Butyl acrylate TIC	55		10.000				ND	U
T 207 Epichlorohydrin TIC	57		10.000				ND	U
T 92 Chloroacetaldehyde TIC	49		10.000				ND	U
T 93 Hexachloroethane TIC	117		10.000				ND	U
T 94 1-Bromo-2-chloroethane TIC	63		10.000				ND	U
T 95 Diethoxymethane TIC	59		10.000				ND	U
T 96 Tetranitromethane TIC	46		10.000				ND	U
T 97 Bromoethane TIC	108		10.000				ND	U
T 98 1,1-Dichloro-1-fluoroethane TIC	81		10.000				ND	U
T 87 Propanol TIC								U
T 99 1-Chlorobutane TIC	56		10.000				ND	U
T 100 2,3-Dichloro-1,3-butadiene TIC	51	9.782	10.000	-0.218	0	299	0.0222	
S 101 1,3-Dichloropropene, Total	100		10.060				ND	7
102 trans-1,3-Dichloropropene	75		10.098				ND	
103 Ethyl methacrylate	69		10.159				ND	
104 1,1,2-Trichloroethane	97		10.305				ND	
105 Tetrachloroethene	166		10.409				ND	
106 1,3-Dichloropropane	76		10.470				ND	
107 3,4-Dichloro-1-butene	75		10.512				ND	
108 2-Hexanone	43		10.512				ND	
109 n-Butyl acetate	43		10.640				ND	
110 Chlorodibromomethane	129		10.689				ND	
111 Ethylene Dibromide	107		10.804				ND	
* 112 Chlorobenzene-d5 (IS)	117	11.236	11.230	0.006	86	505409	50.0	
113 1-Chlorohexane	91		11.236				ND	U
S 114 Xylenes, Total	106		11.245				ND	7
115 Chlorobenzene	112		11.260				ND	
116 1,1,1,2-Tetrachloroethane	131		11.339				ND	
117 Ethylbenzene	91		11.346				ND	
118 m-Xylene & p-Xylene	106		11.461				ND	
119 o-Xylene	106		11.790				ND	
120 Styrene	104		11.802				ND	
121 Bromoform	173		11.966				ND	
122 Isopropylbenzene	105		12.088				ND	
123 cis-1,4-Dichloro-2-butene	88		12.130				ND	
124 Cyclohexanone	55		12.161				ND	7
$ 125 4-Bromofluorobenzene (Surr)	95	12.240	12.234	0.006	89	221889	43.8	
126 1,1,2,2-Tetrachloroethane	83		12.325				ND	
127 trans-1,4-Dichloro-2-butene	53		12.349				ND	
128 Bromobenzene	156		12.349				ND	
129 1,2,3-Trichloropropane	110		12.374				ND	
130 N-Propylbenzene	91		12.416				ND	
131 2-Chlorotoluene	126		12.495				ND	
132 1,3,5-Trimethylbenzene	105		12.550				ND	
133 4-Chlorotoluene	126		12.587				ND	
134 2,3,4-Trichlorobutene	109		12.635				ND	
135 tert-Butylbenzene	134		12.793				ND	
136 Pentachloroethane	167		12.830				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
137 1,2,4-Trimethylbenzene	105		12.836				ND	
138 sec-Butylbenzene	105		12.958				ND	
139 1,3-Dichlorobenzene	146		13.061				ND	
140 4-Isopropyltoluene	119		13.067				ND	
* 141 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	286599	50.0	
142 1,4-Dichlorobenzene	146		13.134				ND	
143 1,2,3-Trimethylbenzene	105		13.140				ND	
144 Benzyl chloride	91		13.207				ND	7
145 1,3-Diethylbenzene	119		13.268				ND	
146 p-Diethylbenzene	119		13.341				ND	
147 n-Butylbenzene	92		13.359				ND	
148 1,2-Dichlorobenzene	146		13.396				ND	
149 o-diethylbenzene	119		13.414				ND	
150 Hexachloroethane	201		13.560				ND	
151 1,2-Dibromo-3-Chloropropane	75		13.937				ND	
152 1,3,5-Trichlorobenzene	180		14.071				ND	
153 1,2,4-Trichlorobenzene	180		14.491				ND	
154 Hexachlorobutadiene	225		14.570				ND	
155 Naphthalene	128		14.673				ND	
156 1,2,3-Trichlorobenzene	180		14.813				ND	
157 2-Methylnaphthalene	142		15.452				ND	7
158 C4-C10	1		0.000				ND	
159 Ethyl acrylate	55		0.000				ND	
S 160 Total BTEX	1		0.000				ND	
161 1-Chlorobutane	1		0.000				ND	
162 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000				ND	
163 Isobutyl acetate	43		0.000				ND	
164 1,4-Divinylbenzene	1		0.000				ND	
165 cis-1,2,3-Trichlorobutene-2	1		0.000				ND	
166 Chloroacetonitrile	1		0.000				ND	
167 Undecane	1		0.000				ND	
168 1,1,2-Trichloro-1,2,2-trifluoroe	1		0.000				ND	
169 n-Octane	1		0.000				ND	
170 n-Nonane	1		0.000				ND	
171 C5-C12	1		0.000				ND	
172 C6-C10	1		0.000				ND	
173 3-chloro-1-Butene	1		0.000				ND	
174 tert-Butyl Formate	1		0.000				ND	
175 Diethoxymethane	1		0.000				ND	
176 1-Bromo-2-chloroethane	1		0.000				ND	
177 Methyl acrylate	1		0.000				ND	
178 n-Decane	57		0.000				ND	
S 179 divinyl benzene	1		0.000				ND	7
180 trans-1,2,3-Trichlorobutene-2	1		0.000				ND	
181 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
182 4-Ethyltoluene	1		0.000				ND	
183 Dodecane	57		0.000				ND	
184 1,3-Divinylbenzene	1		0.000				ND	
185 Butane	1		0.000				ND	
186 Ethyl bromide	1		0.000				ND	
187 Methylal	1		0.000				ND	
188 C6-C12	1		0.000				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
189 3-Methyl-1-butene	1		0.000				ND	
190 Propanol	1		0.000				ND	
191 2,3-Dichloro-1,3-butadiene	1		0.000				ND	
192 Propene oxide	1		0.000				ND	
193 sec-Butyl Alcohol	45		0.000				ND	
194 C4-C12	1		0.000				ND	
195 Chlorofluoromethane TIC	1		0.000				ND	
196 1-Chloro-1,1-difluoroethane TIC	1		0.000				ND	
197 Freon 115 TIC	1		0.000				ND	
198 Fluoromethane TIC	1		0.000				ND	
199 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000				ND	
200 1,2-Dichlorofluoroethane TIC	1		0.000				ND	
201 1,1,1-Trichloro-2,2,2-trifluoroe	1		0.000				ND	
202 bis(chloromethyl)ether TIC	1		0.000				ND	
203 Vinyl Fluoride TIC	1		0.000				ND	
204 1,1,2-Trifluoroethane TIC	1		0.000				ND	
S 205 Total Diethylbenzene	1		0.000				ND	7
206 2-Chloro-1,1,1-Trifluoroethane TI	1		0.000				ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected

Reagents:

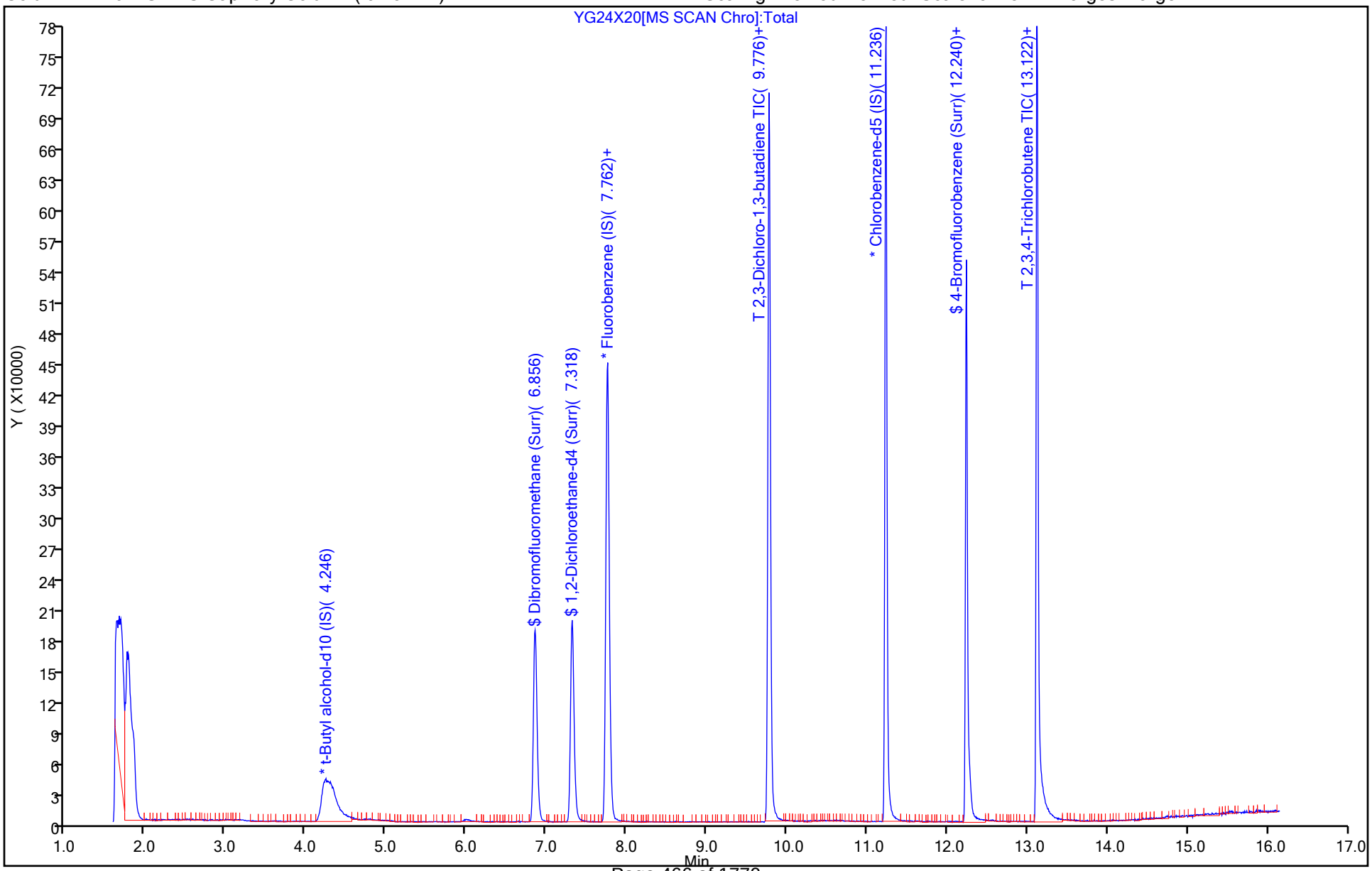
MSV_HP20_ISSS_00083 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 25-Aug-2022 10:53:15 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X20.D				
Injection Date:	24-Aug-2022 16:10:30	Instrument ID:	9355	Operator ID:	CLM27445
Lims ID:	410-94417-A-1	Lab Sample ID:	410-94417-1	Worklist Smp#:	20
Client ID:	FBS010_082022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X20.D
Lims ID: 410-94417-A-1
Client ID: FBS010_082022
Sample Type: Client
Inject. Date: 24-Aug-2022 16:10:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-020
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:53:15 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:53:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	59.3	118.62
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	54.4	108.88
$ 79 Toluene-d8 (Surr)	50.0	47.6	95.13
$ 125 4-Bromofluorobenzene (Surr)	50.0	43.8	87.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBW001_082022 Lab Sample ID: 410-94417-2

Matrix: Water Lab File ID: YG24X23.D

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

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 17:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	ND		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	ND		5.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND	cn	1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.20
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND	cn	5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBW001_082022 Lab Sample ID: 410-94417-2

Matrix: Water Lab File ID: YG24X23.D

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

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 17:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30
98-82-8	Isopropylbenzene	ND		5.0	0.20
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND	cn	1.0	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	117		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X23.D
Lims ID: 410-94417-A-2
Client ID: FBW001_082022
Sample Type: Client
Inject. Date: 24-Aug-2022 17:17:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-023
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:56:41 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:57:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85		1.989				ND	
4 Chloromethane	50		2.196				ND	
5 Vinyl chloride	62		2.299				ND	
8 Bromomethane	94		2.640				ND	
9 Chloroethane	64		2.725				ND	
11 Trichlorofluoromethane	101		3.048				ND	
17 1,1-Dichloroethene	96		3.577				ND	
18 Acetone	58		3.577				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.638				ND	
22 Carbon disulfide	76		3.899				ND	
24 Methyl acetate	43		4.015				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	4.240	4.222	0.018	25	290374	250.0	
27 Methylene Chloride	84		4.240				ND	
31 Methyl tert-butyl ether	73		4.654				ND	
32 trans-1,2-Dichloroethene	96		4.672				ND	
35 1,1-Dichloroethane	63		5.317				ND	
40 2-Butanone (MEK)	43		6.114				ND	
42 cis-1,2-Dichloroethene	96		6.150				ND	
50 Chloroform	83		6.637				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.856	6.856	0.000	93	194845	58.7	
52 1,1,1-Trichloroethane	97		6.880				ND	
53 Cyclohexane	56		7.002				ND	
55 Carbon tetrachloride	117		7.099				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.324	7.312	0.012	84	46400	54.4	
58 Benzene	78		7.349				ND	
60 1,2-Dichloroethane	62		7.422				ND	
* 62 Fluorobenzene (IS)	96	7.762	7.756	0.006	99	691043	50.0	
66 Trichloroethene	95		8.243				ND	
67 Methylcyclohexane	83		8.565				ND	
68 1,2-Dichloropropane	63		8.571				ND	
74 Dichlorobromomethane	83		8.918				ND	
77 cis-1,3-Dichloropropene	75		9.460				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
78 4-Methyl-2-pentanone (MIBK)	43		9.618				ND	
$ 79 Toluene-d8 (Surr)	98	9.776	9.776	0.000	94	661871	48.2	
80 Toluene	92		9.849				ND	
102 trans-1,3-Dichloropropene	75		10.098				ND	
104 1,1,2-Trichloroethane	97		10.305				ND	
105 Tetrachloroethene	166		10.409				ND	
108 2-Hexanone	43		10.512				ND	
110 Chlorodibromomethane	129		10.689				ND	
111 Ethylene Dibromide	107		10.804				ND	
* 112 Chlorobenzene-d5 (IS)	117	11.236	11.230	0.006	86	516299	50.0	
S 114 Xylenes, Total	106		11.245				ND	7
115 Chlorobenzene	112		11.260				ND	
117 Ethylbenzene	91		11.346				ND	
118 m-Xylene & p-Xylene	106		11.461				ND	
119 o-Xylene	106		11.790				ND	
120 Styrene	104		11.802				ND	
121 Bromoform	173		11.966				ND	
122 Isopropylbenzene	105		12.088				ND	
$ 125 4-Bromofluorobenzene (Surr)	95	12.240	12.234	0.006	89	232118	44.9	
126 1,1,2,2-Tetrachloroethane	83		12.325				ND	
132 1,3,5-Trimethylbenzene	105		12.550				ND	
137 1,2,4-Trimethylbenzene	105		12.836				ND	
139 1,3-Dichlorobenzene	146		13.061				ND	
* 141 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	282248	50.0	
142 1,4-Dichlorobenzene	146		13.134				ND	
148 1,2-Dichlorobenzene	146		13.396				ND	
151 1,2-Dibromo-3-Chloropropane	75		13.937				ND	
153 1,2,4-Trichlorobenzene	180		14.491				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

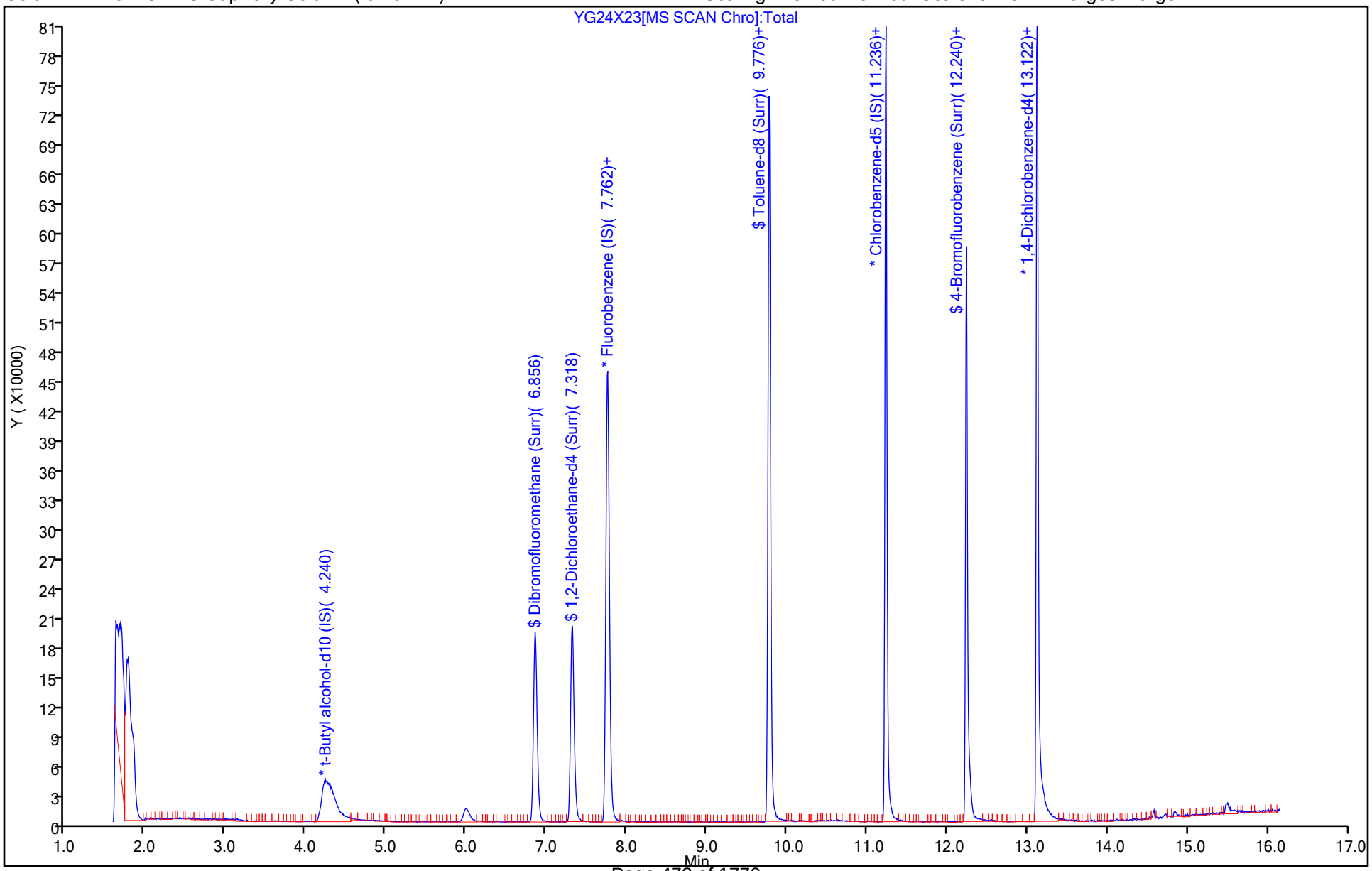
MSV_HP20_ISSS_00083 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 25-Aug-2022 10:57:18 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X23.D				
Injection Date:	24-Aug-2022 17:17:30	Instrument ID:	9355	Operator ID:	CLM27445
Lims ID:	410-94417-A-2	Lab Sample ID:	410-94417-2	Worklist Smp#:	23
Client ID:	FBW001_082022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X23.D
Lims ID: 410-94417-A-2
Client ID: FBW001_082022
Sample Type: Client
Inject. Date: 24-Aug-2022 17:17:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-023
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:56:41 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:57:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	58.7	117.49
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	54.4	108.89
$ 79 Toluene-d8 (Surr)	50.0	48.2	96.30
$ 125 4-Bromofluorobenzene (Surr)	50.0	44.9	89.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: DUP-01_082022 Lab Sample ID: 410-94417-3

Matrix: Water Lab File ID: YG24X24.D

Analysis Method: 8260C Date Collected: 08/11/2022 08:00

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 17:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	ND		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	ND		5.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND	cn	1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.20
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND	cn	5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: DUP-01_082022 Lab Sample ID: 410-94417-3

Matrix: Water Lab File ID: YG24X24.D

Analysis Method: 8260C Date Collected: 08/11/2022 08:00

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 17:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30
98-82-8	Isopropylbenzene	ND		5.0	0.20
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND	cn	1.0	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	118		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X24.D
Lims ID: 410-94417-A-3
Client ID: DUP-01_082022
Sample Type: Client
Inject. Date: 24-Aug-2022 17:39:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-024
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:56:41 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:57:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85		1.989				ND	
4 Chloromethane	50		2.196				ND	
5 Vinyl chloride	62		2.299				ND	
8 Bromomethane	94		2.640				ND	
9 Chloroethane	64		2.725				ND	
11 Trichlorofluoromethane	101		3.048				ND	
17 1,1-Dichloroethene	96		3.577				ND	
18 Acetone	58		3.577				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.638				ND	
22 Carbon disulfide	76		3.899				ND	
24 Methyl acetate	43		4.015				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	4.240	4.222	0.018	24	289277	250.0	
27 Methylene Chloride	84		4.240				ND	
31 Methyl tert-butyl ether	73		4.654				ND	
32 trans-1,2-Dichloroethene	96		4.672				ND	
35 1,1-Dichloroethane	63		5.317				ND	
40 2-Butanone (MEK)	43		6.114				ND	
42 cis-1,2-Dichloroethene	96		6.150				ND	
50 Chloroform	83		6.637				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.862	6.856	0.006	93	190439	59.0	
52 1,1,1-Trichloroethane	97		6.880				ND	
53 Cyclohexane	56		7.002				ND	
55 Carbon tetrachloride	117		7.099				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.324	7.312	0.012	84	45159	54.4	
58 Benzene	78		7.349				ND	
60 1,2-Dichloroethane	62		7.422				ND	
* 62 Fluorobenzene (IS)	96	7.762	7.756	0.006	99	672909	50.0	
66 Trichloroethene	95		8.243				ND	
67 Methylcyclohexane	83		8.565				ND	
68 1,2-Dichloropropane	63		8.571				ND	
74 Dichlorobromomethane	83		8.918				ND	
77 cis-1,3-Dichloropropene	75		9.460				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
78 4-Methyl-2-pentanone (MIBK)	43		9.618				ND	
$ 79 Toluene-d8 (Surr)	98	9.782	9.776	0.006	94	643282	47.9	
80 Toluene	92		9.849				ND	
102 trans-1,3-Dichloropropene	75		10.098				ND	
104 1,1,2-Trichloroethane	97		10.305				ND	
105 Tetrachloroethene	166		10.409				ND	
108 2-Hexanone	43		10.512				ND	
110 Chlorodibromomethane	129		10.689				ND	
111 Ethylene Dibromide	107		10.804				ND	
* 112 Chlorobenzene-d5 (IS)	117	11.236	11.230	0.006	86	504863	50.0	
S 114 Xylenes, Total	106		11.245				ND	7
115 Chlorobenzene	112		11.260				ND	
117 Ethylbenzene	91		11.346				ND	
118 m-Xylene & p-Xylene	106		11.461				ND	
119 o-Xylene	106		11.790				ND	
120 Styrene	104		11.802				ND	
121 Bromoform	173		11.966				ND	
122 Isopropylbenzene	105		12.088				ND	
$ 125 4-Bromofluorobenzene (Surr)	95	12.240	12.234	0.006	89	226997	44.9	
126 1,1,2,2-Tetrachloroethane	83		12.325				ND	
132 1,3,5-Trimethylbenzene	105		12.550				ND	
137 1,2,4-Trimethylbenzene	105		12.836				ND	
139 1,3-Dichlorobenzene	146		13.061				ND	
* 141 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	297132	50.0	
142 1,4-Dichlorobenzene	146		13.134				ND	
148 1,2-Dichlorobenzene	146		13.396				ND	
151 1,2-Dibromo-3-Chloropropane	75		13.937				ND	
153 1,2,4-Trichlorobenzene	180		14.491				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

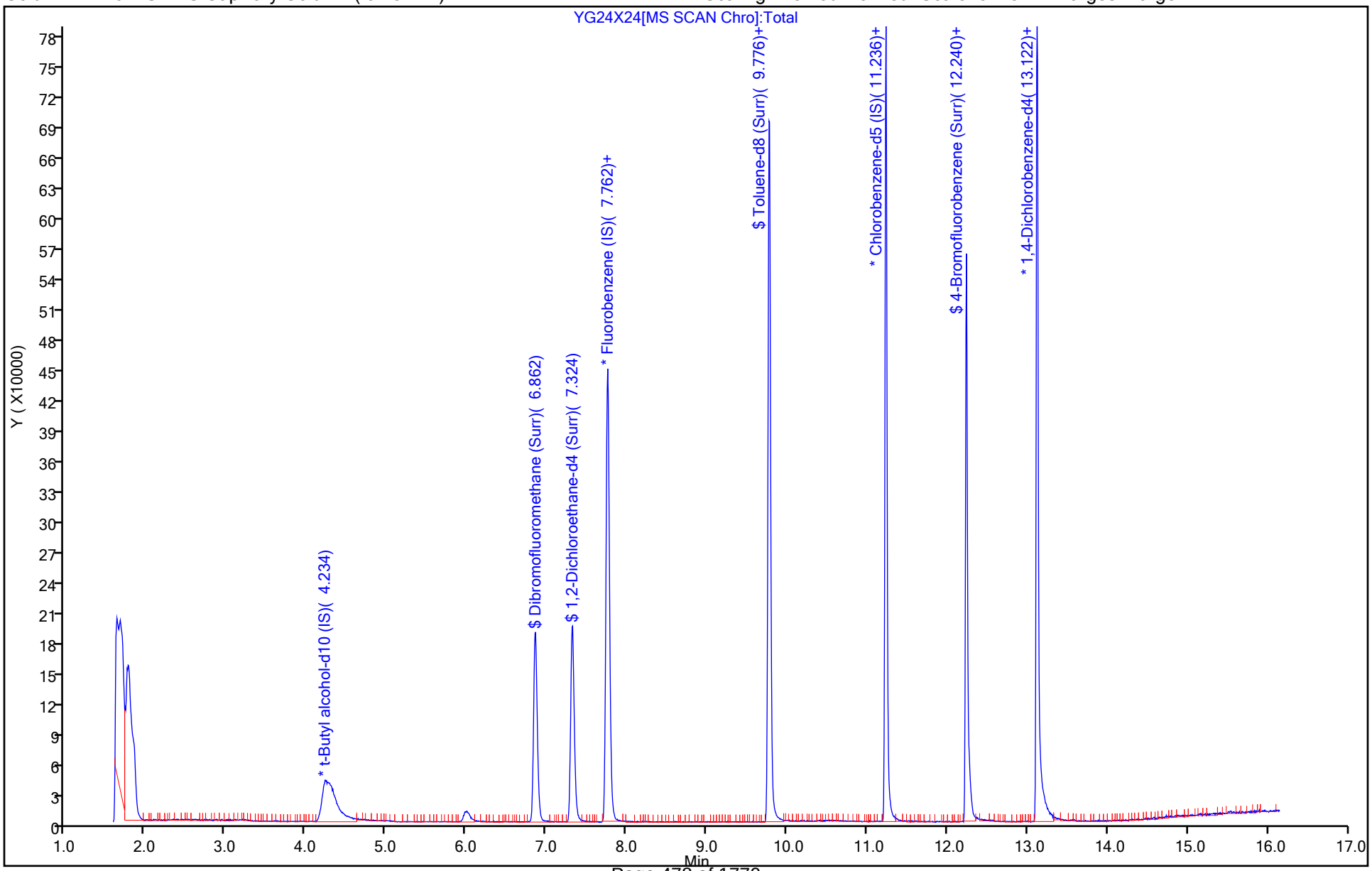
MSV_HP20_ISSS_00083 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 25-Aug-2022 10:57:43 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X24.D				
Injection Date:	24-Aug-2022 17:39:30	Instrument ID:	9355	Operator ID:	CLM27445
Lims ID:	410-94417-A-3	Lab Sample ID:	410-94417-3	Worklist Smp#:	24
Client ID:	DUP-01_082022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X24.D
Lims ID: 410-94417-A-3
Client ID: DUP-01_082022
Sample Type: Client
Inject. Date: 24-Aug-2022 17:39:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-024
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:56:41 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:57:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	59.0	117.93
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	54.4	108.83
$ 79 Toluene-d8 (Surr)	50.0	47.9	95.72
$ 125 4-Bromofluorobenzene (Surr)	50.0	44.9	89.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FB-01_082022 Lab Sample ID: 410-94417-4

Matrix: Water Lab File ID: YG24X09.D

Analysis Method: 8260C Date Collected: 08/11/2022 11:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 12:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	ND		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	ND		5.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND	cn	1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.20
67-66-3	Chloroform	1.3		1.0	0.30
74-87-3	Chloromethane	ND	cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND	cn	5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FB-01_082022 Lab Sample ID: 410-94417-4

Matrix: Water Lab File ID: YG24X09.D

Analysis Method: 8260C Date Collected: 08/11/2022 11:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 12:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30
98-82-8	Isopropylbenzene	ND		5.0	0.20
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND	cn	1.0	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	87		80-120
1868-53-7	Dibromofluoromethane (Surr)	120		80-120
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X09.D
Lims ID: 410-94417-A-4
Client ID: FB-01_082022
Sample Type: Client
Inject. Date: 24-Aug-2022 12:08:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-010
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:36:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:42:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85		1.989				ND	
4 Chloromethane	50		2.196				ND	
5 Vinyl chloride	62		2.299				ND	
8 Bromomethane	94		2.640				ND	
9 Chloroethane	64		2.725				ND	
11 Trichlorofluoromethane	101		3.048				ND	
17 1,1-Dichloroethene	96		3.577				ND	
18 Acetone	58		3.577				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.638				ND	
22 Carbon disulfide	76		3.899				ND	
24 Methyl acetate	43		4.015				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	4.246	4.222	0.024	24	269209	250.0	
27 Methylene Chloride	84		4.240				ND	
31 Methyl tert-butyl ether	73		4.654				ND	
32 trans-1,2-Dichloroethene	96		4.672				ND	
35 1,1-Dichloroethane	63		5.317				ND	
40 2-Butanone (MEK)	43		6.114				ND	
42 cis-1,2-Dichloroethene	96		6.150				ND	
50 Chloroform	83	6.649	6.637	0.012	92	9754	1.30	
$ 51 Dibromofluoromethane (Surr)	113	6.862	6.856	0.006	93	185473	59.9	
52 1,1,1-Trichloroethane	97		6.880				ND	
53 Cyclohexane	56		7.002				ND	
55 Carbon tetrachloride	117		7.099				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.324	7.312	0.012	84	42576	53.5	
58 Benzene	78		7.349				ND	
60 1,2-Dichloroethane	62		7.422				ND	
* 62 Fluorobenzene (IS)	96	7.762	7.756	0.006	99	644929	50.0	
66 Trichloroethene	95		8.243				ND	
67 Methylcyclohexane	83		8.565				ND	
68 1,2-Dichloropropane	63		8.571				ND	
74 Dichlorobromomethane	83		8.918				ND	
77 cis-1,3-Dichloropropene	75		9.460				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
78 4-Methyl-2-pentanone (MIBK)	43		9.618				ND	
$ 79 Toluene-d8 (Surr)	98	9.782	9.776	0.006	94	612516	47.5	
80 Toluene	92		9.849				ND	
102 trans-1,3-Dichloropropene	75		10.098				ND	
104 1,1,2-Trichloroethane	97		10.305				ND	
105 Tetrachloroethene	166		10.409				ND	
108 2-Hexanone	43		10.512				ND	
110 Chlorodibromomethane	129		10.689				ND	
111 Ethylene Dibromide	107		10.804				ND	
* 112 Chlorobenzene-d5 (IS)	117	11.236	11.230	0.006	86	483949	50.0	
S 114 Xylenes, Total	106		11.245				ND	7
115 Chlorobenzene	112		11.260				ND	
117 Ethylbenzene	91		11.346				ND	
118 m-Xylene & p-Xylene	106		11.461				ND	
119 o-Xylene	106		11.790				ND	
120 Styrene	104		11.802				ND	
121 Bromoform	173		11.966				ND	
122 Isopropylbenzene	105		12.088				ND	
$ 125 4-Bromofluorobenzene (Surr)	95	12.240	12.234	0.006	89	211626	43.7	
126 1,1,2,2-Tetrachloroethane	83		12.325				ND	
132 1,3,5-Trimethylbenzene	105		12.550				ND	
137 1,2,4-Trimethylbenzene	105		12.836				ND	
139 1,3-Dichlorobenzene	146		13.061				ND	
* 141 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	279358	50.0	
142 1,4-Dichlorobenzene	146		13.134				ND	
148 1,2-Dichlorobenzene	146		13.396				ND	
151 1,2-Dibromo-3-Chloropropane	75		13.937				ND	
153 1,2,4-Trichlorobenzene	180		14.491				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP20_ISSS_00083 Amount Added: 1.00 Units: uL Run Reagent

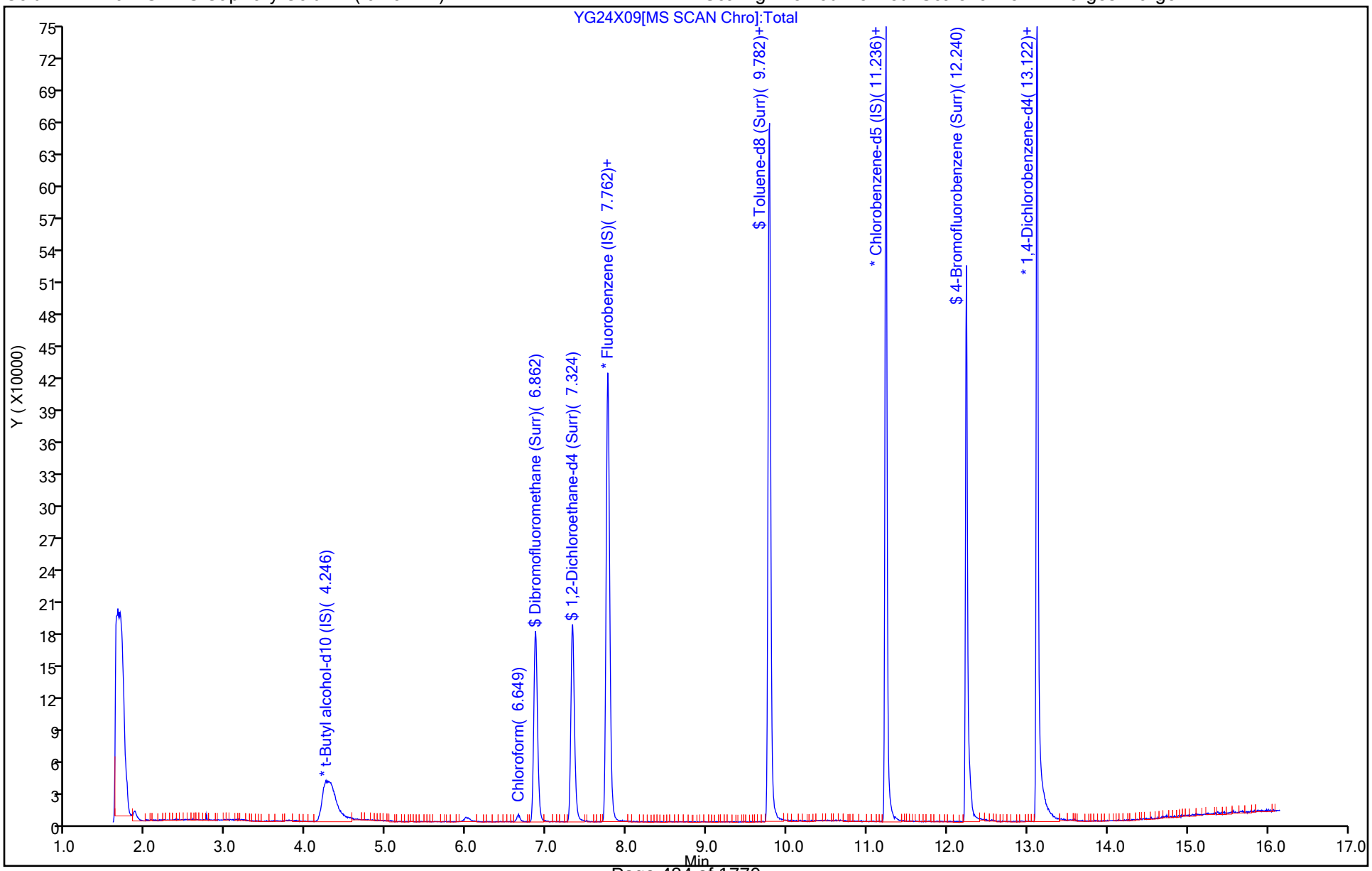
Report Date: 25-Aug-2022 10:42:52 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X09.D

Injection Date:	24-Aug-2022 12:08:30	Instrument ID:	9355	Operator ID:	CLM27445
Lims ID:	410-94417-A-4	Lab Sample ID:	410-94417-4	Worklist Smp#:	10
Client ID:	FB-01_082022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X09.D
Lims ID: 410-94417-A-4
Client ID: FB-01_082022
Sample Type: Client
Inject. Date: 24-Aug-2022 12:08:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-010
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:36:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:42:52

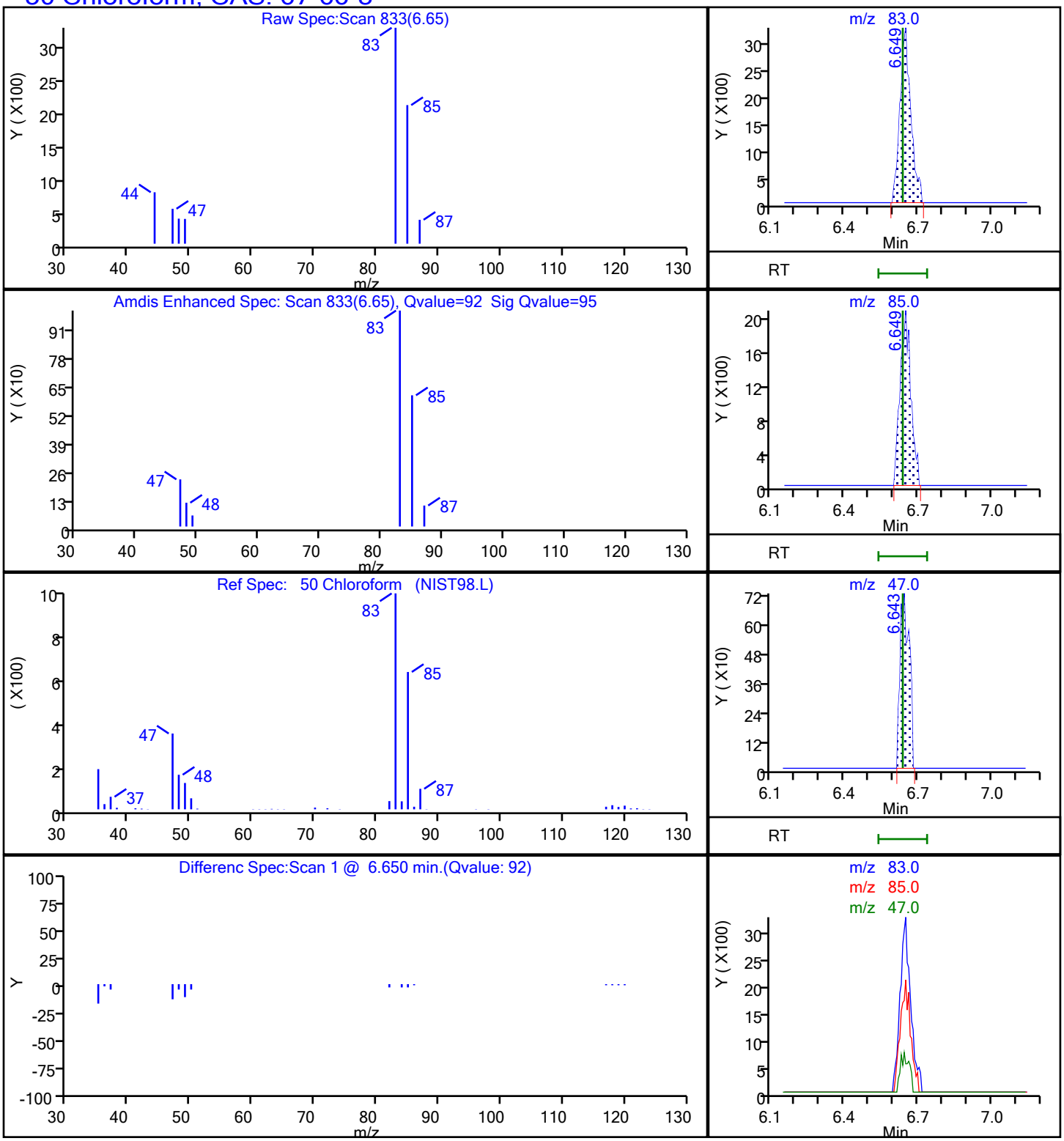
Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	59.9	119.84
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	53.5	107.06
$ 79 Toluene-d8 (Surr)	50.0	47.5	95.08
$ 125 4-Bromofluorobenzene (Surr)	50.0	43.7	87.30

Report Date: 25-Aug-2022 10:42:52 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X09.D		
Injection Date:	24-Aug-2022 12:08:30	Instrument ID:	9355
Lims ID:	410-94417-A-4	Lab Sample ID:	410-94417-4
Client ID:	FB-01_082022		
Operator ID:	CLM27445	ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad

50 Chloroform, CAS: 67-66-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 410-94417-5

Matrix: Water Lab File ID: YG24X10.D

Analysis Method: 8260C Date Collected: 08/11/2022 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 12:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	ND		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	ND		5.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND	cn	1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.20
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND	cn	5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 410-94417-5

Matrix: Water Lab File ID: YG24X10.D

Analysis Method: 8260C Date Collected: 08/11/2022 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 12:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30
98-82-8	Isopropylbenzene	ND		5.0	0.20
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND	cn	1.0	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	119		80-120
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X10.D
Lims ID: 410-94417-A-5
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 24-Aug-2022 12:30:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-011
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:36:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:43:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85		1.989				ND	
4 Chloromethane	50		2.196				ND	
5 Vinyl chloride	62		2.299				ND	
8 Bromomethane	94		2.640				ND	
9 Chloroethane	64		2.725				ND	
11 Trichlorofluoromethane	101		3.048				ND	
17 1,1-Dichloroethene	96		3.577				ND	
18 Acetone	58		3.577				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.638				ND	
22 Carbon disulfide	76		3.899				ND	
24 Methyl acetate	43		4.015				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	4.240	4.222	0.018	23	285368	250.0	
27 Methylene Chloride	84		4.240				ND	
31 Methyl tert-butyl ether	73		4.654				ND	
32 trans-1,2-Dichloroethene	96		4.672				ND	
35 1,1-Dichloroethane	63		5.317				ND	
40 2-Butanone (MEK)	43		6.114				ND	
42 cis-1,2-Dichloroethene	96		6.150				ND	
50 Chloroform	83		6.637				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.856	6.856	0.000	93	192695	59.4	
52 1,1,1-Trichloroethane	97		6.880				ND	
53 Cyclohexane	56		7.002				ND	
55 Carbon tetrachloride	117		7.099				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.324	7.312	0.012	84	45731	54.9	
58 Benzene	78		7.349				ND	
60 1,2-Dichloroethane	62		7.422				ND	
* 62 Fluorobenzene (IS)	96	7.756	7.756	0.000	99	675898	50.0	
66 Trichloroethene	95		8.243				ND	
67 Methylcyclohexane	83		8.565				ND	
68 1,2-Dichloropropane	63		8.571				ND	
74 Dichlorobromomethane	83		8.918				ND	
77 cis-1,3-Dichloropropene	75		9.460				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
78 4-Methyl-2-pentanone (MIBK)	43		9.618				ND	
$ 79 Toluene-d8 (Surr)	98	9.776	9.776	0.000	94	644306	47.6	
80 Toluene	92		9.849				ND	
102 trans-1,3-Dichloropropene	75		10.098				ND	
104 1,1,2-Trichloroethane	97		10.305				ND	
105 Tetrachloroethene	166		10.409				ND	
108 2-Hexanone	43		10.512				ND	
110 Chlorodibromomethane	129		10.689				ND	
111 Ethylene Dibromide	107		10.804				ND	
* 112 Chlorobenzene-d5 (IS)	117	11.236	11.230	0.006	86	508030	50.0	
S 114 Xylenes, Total	106		11.245				ND	7
115 Chlorobenzene	112		11.260				ND	
117 Ethylbenzene	91		11.346				ND	
118 m-Xylene & p-Xylene	106		11.461				ND	
119 o-Xylene	106		11.790				ND	
120 Styrene	104		11.802				ND	
121 Bromoform	173		11.966				ND	
122 Isopropylbenzene	105		12.088				ND	
$ 125 4-Bromofluorobenzene (Surr)	95	12.240	12.234	0.006	89	227693	44.7	
126 1,1,2,2-Tetrachloroethane	83		12.325				ND	
132 1,3,5-Trimethylbenzene	105		12.550				ND	
137 1,2,4-Trimethylbenzene	105		12.836				ND	
139 1,3-Dichlorobenzene	146		13.061				ND	
* 141 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	292100	50.0	
142 1,4-Dichlorobenzene	146		13.134				ND	
148 1,2-Dichlorobenzene	146		13.396				ND	
151 1,2-Dibromo-3-Chloropropane	75		13.937				ND	
153 1,2,4-Trichlorobenzene	180		14.491				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

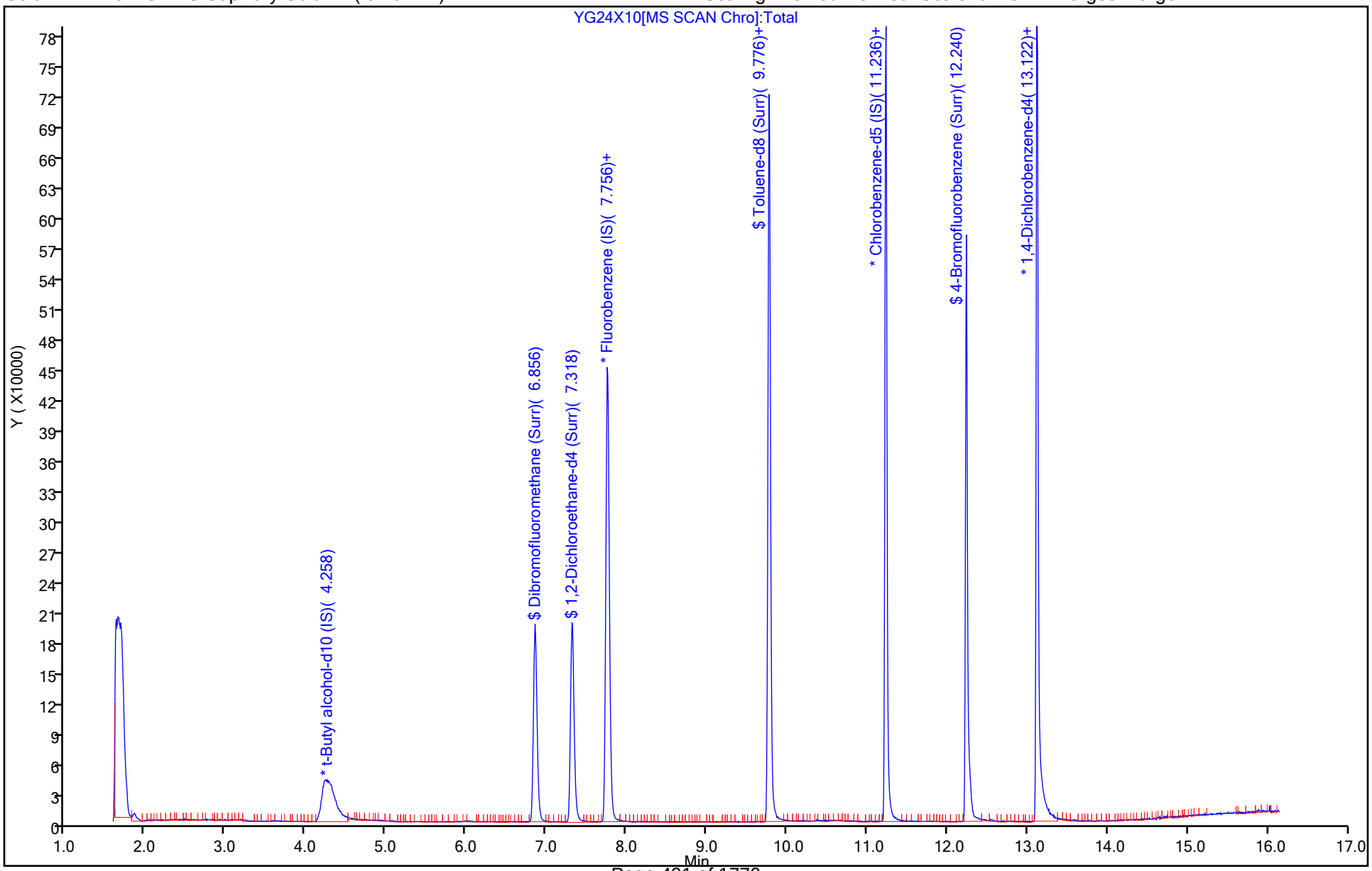
MSV_HP20_ISSS_00083 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 25-Aug-2022 10:43:14 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X10.D				
Injection Date:	24-Aug-2022 12:30:30	Instrument ID:	9355	Operator ID:	CLM27445
Lims ID:	410-94417-A-5	Lab Sample ID:	410-94417-5	Worklist Smp#:	11
Client ID:	Trip Blank				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X10.D
Lims ID: 410-94417-A-5
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 24-Aug-2022 12:30:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-011
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:36:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:43:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	59.4	118.80
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	54.9	109.72
$ 79 Toluene-d8 (Surr)	50.0	47.6	95.27
$ 125 4-Bromofluorobenzene (Surr)	50.0	44.7	89.48

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-262892/12	YU07X18.D
Level 2	IC 410-262892/13	YU07X17.D
Level 3	IC 410-262892/14	YU07X16.D
Level 4	IC 410-262892/15	YU07X15.D
Level 5	ICIS 410-262892/16	YU07X14.D
Level 6	IC 410-262892/17	YU07X13.D
Level 7	IC 410-262892/18	YU07X12.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4485 0.5623	0.5310 0.4949	0.5139	0.4744	0.5386	Ave		0.5091			0.1000	7.7		20.0			
Chloromethane	0.6521 0.6622	0.6858 0.5702	0.6709	0.6394	0.6580	Ave		0.6484			0.1000	5.8		20.0			
Vinyl chloride	0.6125 0.6636	0.6833 0.5896	0.6432	0.6180	0.6480	Ave		0.6369			0.1000	5.1		20.0			
1,3-Butadiene	0.5383 0.5793	0.5923 0.5131	0.5494	0.5150	0.5575	Ave		0.5492				5.5		20.0			
Bromomethane	0.4096 0.4223	0.4298 0.3746	0.4212	0.4076	0.4201	Ave		0.4122			0.1000	4.4		20.0			
Chloroethane	0.2908 0.3306	0.3306 0.2894	0.3246	0.3148	0.3205	Ave		0.3145			0.1000	5.6		20.0			
Dichlorofluoromethane	0.7871 0.8203	0.8516 0.7352	0.8242	0.7806	0.8063	Ave		0.8008			0.1000	4.7		20.0			
Trichlorofluoromethane	0.5698 0.7049	0.6761 0.6445	0.6466	0.6081	0.6790	Ave		0.6470			0.1000	7.1		20.0			
n-Pentane	0.7065 0.6009	0.6949 0.5424	0.6388	0.6449	0.5638	Ave		0.6275				9.9		20.0			
Ethyl ether	0.2849 0.2893	0.3121 0.2759	0.2896	0.3178	0.2981	Ave		0.2953				5.1		20.0			
Freon 123a	0.4177 0.4693	0.4667 0.4293	0.4505	0.4222	0.4534	Ave		0.4442				4.7		20.0			
Acrolein	1.4597 1.6819	1.5417 1.6230	1.6022	1.5969	1.6848	Ave		1.5986				4.9		20.0			
1,1-Dichloroethene	0.2776 0.3210	0.3217 0.3192	0.3156	0.3398	0.3060	Ave		0.3144			0.1000	6.1		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	0.6087 0.8747	0.7573 0.7777	0.8435	0.8313	0.8776	Ave		0.7958			0.1000	11.8		20.0			
Freon 113	0.3223 0.3834	0.3802 0.3681	0.3844	0.4014	0.3651	Ave		0.3721			0.1000	6.7		20.0			
2-Propanol	+++++ 0.9737	0.8082 0.8428	0.8402	0.8771	0.8162	Ave		0.8597				7.1		20.0			
Methyl iodide	0.5254 0.5791	0.5824 0.5831	0.5664	0.6098	0.5569	Ave		0.5718				4.6		20.0			
Carbon disulfide	1.1027 1.1245	1.2151 1.0950	1.1364	1.2061	1.0951	Ave		1.1393			0.1000	4.5		20.0			
Methyl acetate	0.4555 0.4808	0.5164 0.4600	0.4410	0.4834	0.4620	Ave		0.4713			0.1000	5.2		20.0			
Allyl chloride	0.4835 0.4882	0.5284 0.4603	0.4804	0.5212	0.4774	Ave		0.4913				5.0		20.0			
Methylene Chloride	0.3422 0.3737	0.3921 0.3678	0.3729	0.3931	0.3685	Ave		0.3729			0.1000	4.6		20.0			
t-Butyl alcohol	1.1745 1.4571	1.3671 1.2786	1.3539	1.4157	1.3337	Ave		1.3401				6.9		20.0			
Acrylonitrile	0.2219 0.2595	0.2512 0.2448	0.2504	0.2744	0.2615	Ave		0.2520				6.5		20.0			
Methyl tertiary butyl ether	1.0986 1.1226	1.1331 1.0548	1.1225	1.1916	1.1349	Ave		1.1226			0.1000	3.7		20.0			
trans-1,2-Dichloroethene	0.3142 0.3254	0.3508 0.3154	0.3272	0.3467	0.3215	Ave		0.3287			0.1000	4.4		20.0			
n-Hexane	0.4378 0.5278	0.5278 0.4752	0.5264	0.5430	0.5026	Ave		0.5058				7.4		20.0			
1,1-Dichloroethane	0.5819 0.5983	0.6302 0.5653	0.6050	0.6335	0.5997	Ave		0.6020			0.2000	4.1		20.0			
di-Isopropyl ether	1.0132 1.1292	1.0970 1.0669	1.0941	1.1879	1.1317	Ave		1.1028				5.0		20.0			
2-Chloro-1,3-butadiene	0.3910 0.4848	0.4773 0.4577	0.4709	0.5018	0.4750	Ave		0.4655				7.6		20.0			
Ethyl t-butyl ether	0.9506 1.0874	1.0300 1.0261	1.0268	1.1232	1.0835	Ave		1.0468				5.4		20.0			
2-Butanone	0.2808 0.3872	0.3388 0.3691	0.3595	0.3727	0.3795	Ave		0.3554			0.1000	10.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.3180 0.3664	0.3776 0.3509	0.3658	0.3898	0.3625	Ave		0.3616			0.1000	6.3		20.0			
2,2-Dichloropropane	0.4774 0.5330	0.5130 0.5236	0.5056	0.5464	0.5161	Ave		0.5165				4.2		20.0			
Propionitrile	1.1296 1.3858	1.2778 1.3629	1.2375	1.3718	1.3356	Ave		1.3001				7.1		20.0			
Methacrylonitrile	0.2070 0.2567	0.2339 0.2501	0.2390	0.2638	0.2530	Ave		0.2434				7.8		20.0			
Bromochloromethane	0.1539 0.1908	0.2027 0.1889	0.1842	0.1993	0.1912	Ave		0.1873				8.5		20.0			
Tetrahydrofuran	0.9492 1.0979	1.0223 1.1209	1.0029	1.0664	1.0757	Ave		1.0479				5.7		20.0			
Chloroform	0.5737 0.5703	0.6162 0.5494	0.5696	0.6126	0.5691	Ave		0.5801			0.2000	4.3		20.0			
1,1,1-Trichloroethane	0.4812 0.5427	0.5497 0.5432	0.5313	0.5681	0.5276	Ave		0.5348			0.1000	5.1		20.0			
Cyclohexane	0.6112 0.7286	0.7141 0.7109	0.6964	0.7495	0.6945	Ave		0.7007			0.1000	6.3		20.0			
1,1-Dichloropropene	0.4057 0.4832	0.5035 0.4657	0.4660	0.5005	0.4675	Ave		0.4703				6.9		20.0			
Carbon tetrachloride	0.3884 0.4520	0.4610 0.4569	0.4320	0.4681	0.4350	Ave		0.4419			0.1000	6.1		20.0			
Isobutyl alcohol	0.3664 0.5151	0.4076 0.4558	0.4371	0.4685	0.4479	Ave		0.4426				10.6		20.0			
Benzene	1.3335 1.4351	1.4789 1.3915	1.4299	1.5066	1.4115	Ave		1.4267			0.5000	4.0		20.0			
1,2-Dichloroethane	0.4624 0.4751	0.4775 0.4650	0.4687	0.4909	0.4702	Ave		0.4728			0.1000	2.0		20.0			
t-Amyl methyl ether	0.8865 1.0940	1.0030 1.0682	1.0035	1.0997	1.0755	Ave		1.0329				7.3		20.0			
n-Heptane	0.4964 0.6179	0.5883 0.5529	0.6045	0.6155	0.5730	Ave		0.5784				7.4		20.0			
n-Butanol	+++++ 0.4659	0.2821 0.4287	0.3488	0.3871	0.3928	Ave		0.3842				16.6		20.0			
Trichloroethene	0.3141 0.3607	0.3810 0.3603	0.3501	0.3745	0.3492	Ave		0.3557			0.2000	6.1		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methylcyclohexane	0.5740 0.7675	0.6883 0.7511	0.7073	0.7515	0.7130	Ave		0.7075			0.1000	9.2		20.0			
1,2-Dichloropropane	0.3333 0.3992	0.3795 0.3942	0.3791	0.4092	0.3898	Ave		0.3835			0.1000	6.4		20.0			
t-Amyl ethyl ether	0.3871 0.5159	0.4413 0.5197	0.4595	0.5059	0.5009	Ave		0.4758				10.3		20.0			
Methyl methacrylate	0.2372 0.3866	0.2990 0.3980	0.3345	0.3685	0.3675	Ave		0.3416				16.6		20.0			
1,4-Dioxane	+++++ 0.1396	0.1019 0.1341	0.1264	0.1377	0.1298	Ave		0.1282			0.0050	10.8		20.0			
Dibromomethane	0.2131 0.2536	0.2406 0.2558	0.2403	0.2582	0.2486	Ave		0.2443				6.3		20.0			
Bromodichloromethane	0.3968 0.4523	0.4278 0.4586	0.4271	0.4560	0.4383	Ave		0.4367			0.2000	5.0		20.0			
2-Nitropropane	1.4131 1.7977	1.5214 1.8883	1.4945	1.6572	1.6974	Ave		1.6385				10.5		20.0			
2-Chloroethyl vinyl ether	0.1766 0.3003	0.2098 0.3125	0.2350	0.2774	0.2886	Ave		0.2572				19.8		20.0			
cis-1,3-Dichloropropene	0.4673 0.6124	0.5254 0.6292	0.5384	0.5918	0.5836	Ave		0.5640			0.2000	10.0		20.0			
4-Methyl-2-pentanone	0.5224 0.7658	0.6012 0.7366	0.6805	0.7190	0.7705	Ave		0.6851			0.1000	13.5		20.0			
Toluene	1.0929 1.1898	1.2038 1.1271	1.1793	1.2419	1.1596	Ave		1.1706			0.4000	4.2		20.0			
trans-1,3-Dichloropropene	0.5592 0.7333	0.6051 0.7114	0.6552	0.7153	0.7039	Ave		0.6691			0.1000	9.8		20.0			
Ethyl methacrylate	0.5397 0.8210	0.6561 0.7666	0.6943	0.7986	0.7934	Ave		0.7242				13.9		20.0			
1,1,2-Trichloroethane	0.4190 0.4632	0.4560 0.4407	0.4549	0.4787	0.4539	Ave		0.4523			0.1000	4.1		20.0			
Tetrachloroethene	0.4397 0.4792	0.5053 0.4697	0.4777	0.5039	0.4654	Ave		0.4773			0.2000	4.8		20.0			
1,3-Dichloropropane	0.6845 0.7798	0.7390 0.7513	0.7542	0.7983	0.7631	Ave		0.7529				4.8		20.0			
2-Hexanone	0.4039 0.7193	0.5209 0.6613	0.6228	0.6815	0.7264	Ave		0.6195			0.1000	19.0		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromochloromethane	0.4358 0.5166	0.4718 0.5105	0.4822	0.5085	0.5015	Ave		0.4896				5.9		20.0			
1,2-Dibromoethane	0.4279 0.5032	0.4652 0.4895	0.4784	0.5183	0.4932	Ave		0.4823			0.1000	6.1		20.0			
1-Chlorohexane	0.5778 0.6475	0.6394 0.6181	0.6178	0.6629	0.6277	Ave		0.6273				4.3		20.0			
Chlorobenzene	1.3254 1.3751	1.3844 1.3181	1.3673	1.4392	1.3393	Ave		1.3641			0.5000	3.1		20.0			
1,1,1,2-Tetrachloroethane	0.4212 0.5156	0.5171 0.4968	0.5049	0.5274	0.5082	Ave		0.4988				7.1		20.0			
Ethylbenzene	2.0658 2.3685	2.3282 2.2347	2.3311	2.4867	2.3312	Ave		2.3066			0.1000	5.6		20.0			
m&p-Xylene	0.7781 0.9327	0.8898 0.8925	0.9058	0.9772	0.9216	Ave		0.8997			0.1000	6.8		20.0			
o-Xylene	0.7920 0.9898	0.9364 0.9427	0.9244	1.0172	0.9740	Ave		0.9395			0.3000	7.7		20.0			
Styrene	1.0720 1.5431	1.3104 1.4981	1.3794	1.5429	1.4944	Ave		1.4058			0.3000	12.2		20.0			
Bromoform	0.2999 0.4028	0.3566 0.3966	0.3581	0.3899	0.3884	Ave		0.3703			0.1000	9.7		20.0			
Isopropylbenzene	1.9808 2.5968	2.4961 2.4038	2.4904	2.7120	2.5424	Ave		2.4603			0.1000	9.4		20.0			
Cyclohexanone	0.3460 0.5838	0.4922 0.5374	0.5305	0.5788	0.5864	Ave		0.5222				16.3		20.0			
1,1,2,2-Tetrachloroethane	1.4934 1.6556	1.5575 1.4348	1.5751	1.6601	1.6068	Ave		1.5690			0.3000	5.3		20.0			
Bromobenzene	0.8857 1.0009	0.9920 0.9302	0.9624	1.0051	0.9688	Ave		0.9636				4.5		20.0			
trans-1,4-Dichloro-2-butene	0.3067 0.4794	0.3871 0.4411	0.4210	0.4561	0.4596	Ave		0.4216				13.9		20.0			
1,2,3-Trichloropropane	0.4282 0.4734	0.4411 0.4213	0.4493	0.4798	0.4585	Ave		0.4502				4.9		20.0			
N-Propylbenzene	4.1018 5.2879	5.0553 4.5455	5.0290	5.4158	5.1383	Ave		4.9391				9.3		20.0			
2-Chlorotoluene	0.8681 1.1018	1.0609 1.0132	1.0475	1.1099	1.0537	Ave		1.0364				7.8		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 Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	2.8476 4.0642	3.6206 3.6708	3.6397	4.0368	3.8728	Ave		3.6789				11.2		20.0			
4-Chlorotoluene	0.8552 1.0552	1.0042 0.9957	1.0215	1.0905	1.0230	Ave		1.0065				7.4		20.0			
tert-Butylbenzene	0.4486 0.8094	0.6727 0.7663	0.6892	0.7673	0.7566	Ave		0.7014				17.3		20.0			
1,2,4-Trimethylbenzene	2.9342 4.1631	3.5401 3.7486	3.7830	4.1446	3.9949	Ave		3.7584				11.4		20.0			
sec-Butylbenzene	3.7144 5.2822	4.7197 4.5732	4.8524	5.2415	5.0128	Ave		4.7709				11.2		20.0			
1,3-Dichlorobenzene	1.7901 2.0501	2.0282 1.8836	1.9754	2.1017	1.9958	Ave		1.9750			0.6000	5.4		20.0			
p-Isopropyltoluene	2.8526 4.6164	3.9875 4.0957	4.2049	4.5780	4.4177	Ave		4.1076				14.7		20.0			
1,4-Dichlorobenzene	2.1715 2.0883	2.1394 1.9154	2.1169	2.1467	2.0195	Ave		2.0854			0.5000	4.3		20.0			
1,2,3-Trimethylbenzene	3.2219 4.4278	3.9724 3.9647	4.0058	4.3570	4.2298	Ave		4.0256				10.0		20.0			
Benzyl chloride	1.7952 3.1626	2.2006 2.9098	2.5551	2.8898	3.0139	Ave		2.6467				18.6		20.0			
1,3-Diethylbenzene	1.7743 2.7733	2.4235 2.5240	2.5438	2.7687	2.6622	Ave		2.4957				13.8		20.0			
1,4-Diethylbenzene	1.9968 2.8665	2.5872 2.5860	2.6959	2.9086	2.7856	Ave		2.6324				11.7		20.0			
n-Butylbenzene	1.2643 2.3963	2.2419 2.1514	2.2482	2.3922	2.2789	Ave		2.1390				18.5		20.0			
1,2-Dichlorobenzene	1.8915 2.1854	2.2197 1.9852	2.1654	2.2579	2.1352	Ave		2.1200			0.4000	6.3		20.0			
1,2-Diethylbenzene	2.1983 2.3578	2.2291 2.1456	2.2305	2.3512	2.2543	Ave		2.2524				3.5		20.0			
1,2-Dibromo-3-Chloropropane	0.3766 0.5199	0.4749 0.4674	0.5090	0.5104	0.5042	Ave		0.4803			0.0500	10.3		20.0			
1,3,5-Trichlorobenzene	1.5756 1.7902	1.7670 1.6043	1.7579	1.8532	1.7451	Ave		1.7276				5.8		20.0			
1,2,4-Trichlorobenzene	1.5505 1.7900	1.7490 1.5768	1.7605	1.8621	1.7429	Ave		1.7188			0.2000	6.6		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.6992 0.7052	0.6847 0.5888	0.6790	0.7290	0.6680	Ave		0.6791				6.6		20.0			
Naphthalene	5.3270 6.8070	5.7879 5.4484	6.4397	6.9874	6.6966	Ave		6.2134				11.0		20.0			
1,2,3-Trichlorobenzene	1.9124 1.8303	1.8130 1.5736	1.8710	1.9215	1.7889	Ave		1.8158				6.5		20.0			
2-Methylnaphthalene	2.9602 4.1741	3.0052 3.3575	3.5415	4.0762	3.9981	Ave		3.5875				14.1		20.0			
Dibromofluoromethane (Surr)	0.2450 0.2348	0.2438 0.2353	0.2408	0.2411	0.2391	Ave		0.2400				1.6		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0636 0.0604	0.0624 0.0619	0.0610	0.0610	0.0614	Ave		0.0617				1.7		20.0			
Toluene-d8 (Surr)	1.3293 1.3293	1.3409 1.2728	1.3598	1.3512	1.3348	Ave		1.3312				2.1		20.0			
4-Bromofluorobenzene (Surr)	0.4931 0.4978	0.5070 0.4983	0.5022	0.5049	0.5030	Ave		0.5009				1.0		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-262892/12	YU07X18.D
Level 2	IC 410-262892/13	YU07X17.D
Level 3	IC 410-262892/14	YU07X16.D
Level 4	IC 410-262892/15	YU07X15.D
Level 5	ICIS 410-262892/16	YU07X14.D
Level 6	IC 410-262892/17	YU07X13.D
Level 7	IC 410-262892/18	YU07X12.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	6249 854569	30392 2162891	74567	137898	405728	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	9086 1006324	39251 2492229	97351	185865	495598	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	8534 1008542	39106 2576979	93324	179641	488075	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	7500 880331	33897 2242348	79711	149691	419899	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	5707 641819	24602 1637327	61119	118465	316467	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	4051 502473	18924 1264639	47104	91502	241445	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	10966 1246660	48743 3213426	119589	226895	607366	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	7939 1071220	38694 2816741	93822	176752	511485	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	9844 913199	39771 2370701	92691	187461	424691	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl ether	FB	Ave	3970 439725	17865 1206037	42029	92390	224579	1.00 100	4.00 300	10.0	20.0	50.0
Freon 123a	FB	Ave	5820 713298	26713 1876439	65365	122726	341484	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd 10	Ave	19580 2445224	82960 6437956	225802	454988	1215511	10.0 1000	40.0 3000	100	200	500
1,1-Dichloroethene	FB	Ave	3867 487852	18413 1394979	45798	98762	230489	1.00 100	4.00 300	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acetone	TBAd10	Ave	1633 254347	8150 617019	23775	47370	126630	2.00 200	8.00 600	20.0	40.0	100
Freon 113	FB	Ave	4491 582686	21762 1608612	55772	116685	275007	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	+++++ 707784	21744 1671503	59208	124950	294419	+++++ 500	20.0 1500	50.0	100	250
Methyl iodide	FB	Ave	7320 880036	33332 2548555	82180	177240	419450	1.00 100	4.00 300	10.0	20.0	50.0
Carbon disulfide	FB	Ave	15363 1709043	69543 4785720	164895	350589	824870	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	6346 730654	29555 2010490	63982	140507	348010	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	6736 742016	30244 2011688	69711	151488	359576	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	4768 567935	22444 1607292	54109	114276	277599	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	7877 1059177	36782 2535886	95405	201675	481117	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	7730 985870	35949 2674685	90829	199391	492474	2.50 250	10.0 750	25.0	50.0	125
Methyl tertiary butyl ether	FB	Ave	15306 1706081	64852 4609931	162871	346369	854893	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	4377 494530	20076 1378414	47478	100772	242133	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	6099 802130	30206 2077106	76386	157844	378579	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	8108 909345	36070 2470744	87787	184153	451702	1.00 100	4.00 300	10.0	20.0	50.0
di-Isopropyl ether	FB	Ave	14116 1716189	62783 4662816	158750	345289	852410	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	5448 736750	27319 2000250	68321	145844	357818	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	13244	58951	148989	326489	816145	1.00	4.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1652644	4484710				100	300			
2-Butanone	FB	Ave	7825 1177046	38787 3225966	104331	216646	571664	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	4431 556768	21611 1533766	53079	113291	273028	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	6652 810094	29362 2288430	73356	158824	388742	1.00 100	4.00 300	10.0	20.0	50.0
Propionitrile	TBAd 10	Ave	7576 1007361	34379 2703245	87206	195419	481783	5.00 500	20.0 1500	50.0	100	250
Methacrylonitrile	FB	Ave	7209 975465	33461 2732925	86680	191732	476467	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	2144 289973	11604 825498	26734	57924	144039	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd 10	Ave	6366 798105	27506 2223213	70675	151926	388035	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	7993 866708	35270 2401003	82652	178050	428700	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	6705 824777	31461 2374125	77090	165129	397378	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	8515 1107335	40868 3107226	101039	217846	523094	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	5653 734417	28815 2035397	67621	145477	352162	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	5412 686876	26384 1996772	62685	136076	327639	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd 10	Ave	6144 936125	27415 2260133	77009	166841	403895	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	18579 2181091	84646 6081848	207477	437913	1063194	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	6442 722076	27327 2032363	68011	142699	354141	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	12351 1662611	57404 4668645	145609	319649	810124	1.00 100	4.00 300	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Heptane	FB	Ave	6916 938993	33670 2416682	87714	178919	431598	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd 10	Ave	+++++ 846739	18975 2125857	61448	137876	354226	+++++ 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	4376 548211	21804 1574682	50802	108852	263022	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	7997 1166458	39394 3282757	102620	218444	537087	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	4644 606716	21723 1722908	55012	118932	293583	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	5393 784090	25259 2271521	66666	147048	377303	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	3305 587570	17111 1739545	48540	107107	276842	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd 10	Ave	+++++ 253716	6854 665024	22262	49026	117067	+++++ 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	2969 385355	13773 1118135	34868	75047	187254	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	5529 687352	24485 2004470	61973	132543	330137	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd 10	Ave	9477 1306808	40934 3745289	105316	236079	612295	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	2461 456393	12005 1365736	34103	80625	217420	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	6511 930686	30071 2749929	78116	172018	439597	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone	FB	Ave	14558 2327589	68819 6438381	197469	417958	1160699	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd 5	Ave	11068 1376463	50521 4033212	124815	265725	656371	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd 5	Ave	5663	25397	69345	153053	398393	1.00	4.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			848363	2545701				100	300			
Ethyl methacrylate	CBZd 5	Ave	5466	27534	73481	170862	449082	1.00	4.00	10.0	20.0	50.0
			949808	2743361				100	300			
1,1,2-Trichloroethane	CBZd 5	Ave	4243	19140	48141	102428	256906	1.00	4.00	10.0	20.0	50.0
			535867	1577171				100	300			
Tetrachloroethene	CBZd 5	Ave	4453	21205	50556	107812	263419	1.00	4.00	10.0	20.0	50.0
			554320	1680725				100	300			
1,3-Dichloropropane	CBZd 5	Ave	6932	31014	79821	170811	431920	1.00	4.00	10.0	20.0	50.0
			902057	2688552				100	300			
2-Hexanone	CBZd 5	Ave	8181	43724	131831	291646	822294	2.00	8.00	20.0	40.0	100
			1664242	4733104				200	600			
Dibromochloromethane	CBZd 5	Ave	4414	19799	51038	108805	283871	1.00	4.00	10.0	20.0	50.0
			597654	1826688				100	300			
1,2-Dibromoethane	CBZd 5	Ave	4334	19525	50634	110896	279151	1.00	4.00	10.0	20.0	50.0
			582114	1751583				100	300			
1-Chlorohexane	CBZd 5	Ave	5852	26834	65386	141834	355312	1.00	4.00	10.0	20.0	50.0
			749087	2211924				100	300			
Chlorobenzene	CBZd 5	Ave	13423	58101	144710	307929	758057	1.00	4.00	10.0	20.0	50.0
			1590808	4716695				100	300			
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	4266	21704	53433	112840	287658	1.00	4.00	10.0	20.0	50.0
			596426	1777970				100	300			
Ethylbenzene	CBZd 5	Ave	20921	97714	246715	532056	1319504	1.00	4.00	10.0	20.0	50.0
			2739964	7996992				100	300			
m&p-Xylene	CBZd 5	Ave	15761	74688	191721	418175	1043288	2.00	8.00	20.0	40.0	100

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			2157969	6387626				200	600			
o-Xylene	CBZd 5	Ave	8021 1144989	39300 3373321	97836	217636	551300	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd 5	Ave	10857 1785100	54996 5361065	145992	330114	845832	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd 5	Ave	3037 465947	14968 1419117	37898	83420	219850	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd 5	Ave	20060 3004051	104759 8601891	263570	580260	1438999	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd 10	Ave	23204 1061033	132419 2664928	186912	412268	528827	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	9009 1094611	39133 3084239	98654	209718	528014	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd 4	Ave	5343 661775	24924 1999596	60283	126974	318363	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	4626 792418	24317 2370226	65925	144038	377542	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd 4	Ave	2583 313014	11082 905606	28142	60608	150677	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	24745 3496130	127021 9770873	314991	684159	1688486	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	5237 728476	26656 2177840	65611	140214	346260	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	17179	90972	227977	509952	1272652	1.00	4.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			2687100	7890558				100	300			
4-Chlorotoluene	DCBd 4	Ave	5159 697665	25232 2140333	63982	137756	336168	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	2706 535112	16902 1647124	43169	96934	248636	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	17701 2752467	88950 8057880	236951	523575	1312746	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	22408 3492361	118589 9830275	303935	662148	1647246	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	10799 1355454	50961 4048848	123730	265498	655849	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd 4	Ave	17209 3052193	100191 8803987	263375	578329	1451685	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	13100 1380699	53756 4117274	132593	271183	663623	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	19437 2927452	99812 8522280	250906	550404	1389957	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd 4	Ave	10830 2090958	55292 6254678	160042	365060	990384	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd 4	Ave	10704 1833590	60893 5425557	159331	349768	874813	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd 4	Ave	12046 1895226	65006 5558629	168860	367433	915384	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	7627	56331	140819	302201	748858	1.00	4.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1584314	4624536				100	300			
1,2-Dichlorobenzene	DCBd 4	Ave	11411 1444919	55772 4267385	135629	285228	701647	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd 4	Ave	13262 1558850	56009 4611984	139709	297025	740799	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2272 343702	11932 1004680	31879	64482	165679	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	9505 1183605	44398 3448542	110106	234106	573446	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	9354 1183460	43946 3389392	110270	235240	572726	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	4218 466255	17204 1265723	42531	92088	219506	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd 4	Ave	32136 4500457	145428 11711669	403352	882699	2200576	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	11537 1210090	45555 3382571	117190	242736	587848	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd 4	Ave	17858 2759707	75510 7217128	221822	514937	1313813	1.00 100	4.00 300	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	170655 178412	174398 171430	174704	175200	180071	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	44299 45908	44656 45119	44234	44303	46216	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd 5	Ave	673118 768876	703439 759101	719592	722768	755518	50.0 50.0	50.0 50.0	50.0	50.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	249687 287927	265981 297201	265744	270077	284714	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend
Ave = Average ISTD

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-262892/12	YU07X18.D
Level 2	IC 410-262892/13	YU07X17.D
Level 3	IC 410-262892/14	YU07X16.D
Level 4	IC 410-262892/15	YU07X15.D
Level 5	ICIS 410-262892/16	YU07X14.D
Level 6	IC 410-262892/17	YU07X13.D
Level 7	IC 410-262892/18	YU07X12.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-11.9 -2.8	4.3	0.9	-6.8	5.8	10.5	50 30	30	30	30	30	30
Chloromethane	0.6 -12.1	5.8	3.5	-1.4	1.5	2.1	50 30	30	30	30	30	30
Vinyl chloride	-3.8 -7.4	7.3	1.0	-3.0	1.7	4.2	50 30	30	30	30	30	30
1,3-Butadiene	-2.0 -6.6	7.8	0.0	-6.2	1.5	5.5	50 30	30	30	30	30	30
Bromomethane	-0.6 -9.1	4.3	2.2	-1.1	1.9	2.5	50 30	30	30	30	30	30
Chloroethane	-7.5 -8.0	5.1	3.2	0.1	1.9	5.1	50 30	30	30	30	30	30
Dichlorofluoromethane	-1.7 -8.2	6.4	2.9	-2.5	0.7	2.4	50 30	30	30	30	30	30
Trichlorofluoromethane	-11.9 -0.4	4.5	-0.1	-6.0	5.0	8.9	50 30	30	30	30	30	30
n-Pentane	12.6 -13.6	10.7	1.8	2.8	-10.1	-4.2	50 30	30	30	30	30	30
Ethyl ether	-3.6 -6.6	5.7	-2.0	7.6	0.9	-2.1	50 30	30	30	30	30	30
Freon 123a	-6.0 -3.3	5.1	1.4	-4.9	2.1	5.7	50 30	30	30	30	30	30
Acrolein	-8.7 1.5	-3.6	0.2	-0.1	5.4	5.2	50 30	30	30	30	30	30
1,1-Dichloroethene	-11.7 1.5	2.3	0.4	8.1	-2.7	2.1	50 30	30	30	30	30	30
Acetone	-23.5 -2.3	-4.8	6.0	4.5	10.3	9.9	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Freon 113	-13.4 -1.1	2.2	3.3	7.9	-1.9	3.0	50 30	30	30	30	30	30
2-Propanol	+++++ -2.0	-6.0	-2.3	2.0	-5.1	13.3	30	50	30	30	30	30
Methyl iodide	-8.1 2.0	1.8	-1.0	6.6	-2.6	1.3	50 30	30	30	30	30	30
Carbon disulfide	-3.2 -3.9	6.7	-0.2	5.9	-3.9	-1.3	50 30	30	30	30	30	30
Methyl acetate	-3.4 -2.4	9.6	-6.4	2.6	-2.0	2.0	50 30	30	30	30	30	30
Allyl chloride	-1.6 -6.3	7.5	-2.2	6.1	-2.8	-0.6	50 30	30	30	30	30	30
Methylene Chloride	-8.2 -1.4	5.2	0.0	5.4	-1.2	0.2	50 30	30	30	30	30	30
t-Butyl alcohol	-12.4 -4.6	2.0	1.0	5.6	-0.5	8.7	50 30	30	30	30	30	30
Acrylonitrile	-11.9 -2.8	-0.3	-0.6	8.9	3.8	3.0	50 30	30	30	30	30	30
Methyl tertiary butyl ether	-2.1 -6.0	0.9	0.0	6.1	1.1	0.0	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-4.4 -4.1	6.7	-0.5	5.5	-2.2	-1.0	50 30	30	30	30	30	30
n-Hexane	-13.5 -6.0	4.3	4.1	7.4	-0.6	4.3	50 30	30	30	30	30	30
1,1-Dichloroethane	-3.3 -6.1	4.7	0.5	5.2	-0.4	-0.6	50 30	30	30	30	30	30
di-Isopropyl ether	-8.1 -3.3	-0.5	-0.8	7.7	2.6	2.4	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-16.0 -1.7	2.5	1.2	7.8	2.1	4.1	50 30	30	30	30	30	30
Ethyl t-butyl ether	-9.2 -2.0	-1.6	-1.9	7.3	3.5	3.9	50 30	30	30	30	30	30
2-Butanone	-21.0 3.8	-4.7	1.2	4.9	6.8	9.0	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-12.0 -2.9	4.4	1.2	7.8	0.3	1.3	50 30	30	30	30	30	30
2,2-Dichloropropane	-7.6 1.4	-0.7	-2.1	5.8	-0.1	3.2	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Propionitrile	-13.1 4.8	-1.7	-4.8	5.5	2.7	6.6	50 30	30	30	30	30	30
Methacrylonitrile	-15.0 2.8	-3.9	-1.8	8.4	4.0	5.5	50 30	30	30	30	30	30
Bromochloromethane	-17.8 0.8	8.3	-1.6	6.4	2.1	1.9	50 30	30	30	30	30	30
Tetrahydrofuran	-9.4 7.0	-2.4	-4.3	1.8	2.6	4.8	50 30	30	30	30	30	30
Chloroform	-1.1 -5.3	6.2	-1.8	5.6	-1.9	-1.7	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-10.0 1.6	2.8	-0.7	6.2	-1.4	1.5	50 30	30	30	30	30	30
Cyclohexane	-12.8 1.5	1.9	-0.6	7.0	-0.9	4.0	50 30	30	30	30	30	30
1,1-Dichloropropene	-13.7 -1.0	7.0	-0.9	6.4	-0.6	2.7	50 30	30	30	30	30	30
Carbon tetrachloride	-12.1 3.4	4.3	-2.2	5.9	-1.6	2.3	50 30	30	30	30	30	30
Isobutyl alcohol	-17.2 3.0	-7.9	-1.2	5.8	1.2	16.4	50 30	30	30	30	30	30
Benzene	-6.5 -2.5	3.7	0.2	5.6	-1.1	0.6	50 30	30	30	30	30	30
1,2-Dichloroethane	-2.2 -1.7	1.0	-0.9	3.8	-0.6	0.5	50 30	30	30	30	30	30
t-Amyl methyl ether	-14.2 3.4	-2.9	-2.8	6.5	4.1	5.9	50 30	30	30	30	30	30
n-Heptane	-14.2 -4.4	1.7	4.5	6.4	-0.9	6.8	50 30	30	30	30	30	30
n-Butanol	+++++ 11.6	-26.6	-9.2	0.8	2.2	21.3	 30	50	30	30	30	30
Trichloroethene	-11.7 1.3	7.1	-1.6	5.3	-1.8	1.4	50 30	30	30	30	30	30
Methylcyclohexane	-18.9 6.2	-2.7	0.0	6.2	0.8	8.5	50 30	30	30	30	30	30
1,2-Dichloropropane	-13.1 2.8	-1.0	-1.1	6.7	1.6	4.1	50 30	30	30	30	30	30
t-Amyl ethyl ether	-18.6 9.2	-7.2	-3.4	6.3	5.3	8.4	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl methacrylate	-30.6 16.5	-12.5	-2.1	7.9	7.6	13.2	50 30	30	30	30	30	30
1,4-Dioxane	+++++ 4.6	-20.5	-1.5	7.3	1.2	8.9	30	50	30	30	30	30
Dibromomethane	-12.8 4.7	-1.5	-1.6	5.7	1.8	3.8	50 30	30	30	30	30	30
Bromodichloromethane	-9.1 5.0	-2.0	-2.2	4.4	0.4	3.6	50 30	30	30	30	30	30
2-Nitropropane	-13.8 15.2	-7.1	-8.8	1.1	3.6	9.7	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-31.3 21.5	-18.4	-8.6	7.9	12.2	16.8	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-17.1 11.6	-6.8	-4.5	4.9	3.5	8.6	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-23.7 7.5	-12.2	-0.7	4.9	12.5	11.8	50 30	30	30	30	30	30
Toluene	-6.6 -3.7	2.8	0.7	6.1	-0.9	1.6	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-16.4 6.3	-9.6	-2.1	6.9	5.2	9.6	50 30	30	30	30	30	30
Ethyl methacrylate	-25.5 5.9	-9.4	-4.1	10.3	9.6	13.4	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-7.4 -2.6	0.8	0.6	5.8	0.3	2.4	50 30	30	30	30	30	30
Tetrachloroethene	-7.9 -1.6	5.9	0.1	5.6	-2.5	0.4	50 30	30	30	30	30	30
1,3-Dichloropropane	-9.1 -0.2	-1.8	0.2	6.0	1.4	3.6	50 30	30	30	30	30	30
2-Hexanone	-34.8 6.8	-15.9	0.5	10.0	17.3	16.1	50 30	30	30	30	30	30
Dibromochloromethane	-11.0 4.3	-3.6	-1.5	3.9	2.4	5.5	50 30	30	30	30	30	30
1,2-Dibromoethane	-11.3 1.5	-3.5	-0.8	7.5	2.3	4.3	50 30	30	30	30	30	30
1-Chlorohexane	-7.9 -1.5	1.9	-1.5	5.7	0.1	3.2	50 30	30	30	30	30	30
Chlorobenzene	-2.8 -3.4	1.5	0.2	5.5	-1.8	0.8	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,1,1,2-Tetrachloroethane	-15.5 -0.4	3.7	1.2	5.7	1.9	3.4	50 30	30	30	30	30	30
Ethylbenzene	-10.4 -3.1	0.9	1.1	7.8	1.1	2.7	50 30	30	30	30	30	30
m&p-Xylene	-13.5 -0.8	-1.1	0.7	8.6	2.4	3.7	50 30	30	30	30	30	30
o-Xylene	-15.7 0.3	-0.3	-1.6	8.3	3.7	5.4	50 30	30	30	30	30	30
Styrene	-23.7 6.6	-6.8	-1.9	9.8	6.3	9.8	50 30	30	30	30	30	30
Bromoform	-19.0 7.1	-3.7	-3.3	5.3	4.9	8.8	50 30	30	30	30	30	30
Isopropylbenzene	-19.5 -2.3	1.5	1.2	10.2	3.3	5.5	50 30	30	30	30	30	30
Cyclohexanone	-33.7 2.9	-5.7	1.6	10.8	12.3	11.8	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-4.8 -8.6	-0.7	0.4	5.8	2.4	5.5	50 30	30	30	30	30	30
Bromobenzene	-8.1 -3.5	2.9	-0.1	4.3	0.5	3.9	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-27.2 4.6	-8.2	-0.1	8.2	9.0	13.7	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-4.9 -6.4	-2.0	-0.2	6.6	1.8	5.2	50 30	30	30	30	30	30
N-Propylbenzene	-17.0 -8.0	2.4	1.8	9.7	4.0	7.1	50 30	30	30	30	30	30
2-Chlorotoluene	-16.2 -2.2	2.4	1.1	7.1	1.7	6.3	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-22.6 -0.2	-1.6	-1.1	9.7	5.3	10.5	50 30	30	30	30	30	30
4-Chlorotoluene	-15.0 -1.1	-0.2	1.5	8.3	1.6	4.8	50 30	30	30	30	30	30
tert-Butylbenzene	-36.1 9.2	-4.1	-1.7	9.4	7.9	15.4	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-21.9 -0.3	-5.8	0.7	10.3	6.3	10.8	50 30	30	30	30	30	30
sec-Butylbenzene	-22.1 -4.1	-1.1	1.7	9.9	5.1	10.7	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,3-Dichlorobenzene	-9.4 -4.6	2.7	0.0	6.4	1.1	3.8	50 30	30	30	30	30	30
p-Isopropyltoluene	-30.6 -0.3	-2.9	2.4	11.5	7.5	12.4	50 30	30	30	30	30	30
1,4-Dichlorobenzene	4.1 -8.2	2.6	1.5	2.9	-3.2	0.1	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-20.0 -1.5	-1.3	-0.5	8.2	5.1	10.0	50 30	30	30	30	30	30
Benzyl chloride	-32.2 9.9	-16.9	-3.5	9.2	13.9	19.5	50 30	30	30	30	30	30
1,3-Diethylbenzene	-28.9 1.1	-2.9	1.9	10.9	6.7	11.1	50 30	30	30	30	30	30
1,4-Diethylbenzene	-24.1 -1.8	-1.7	2.4	10.5	5.8	8.9	50 30	30	30	30	30	30
n-Butylbenzene	-40.9 0.6	4.8	5.1	11.8	6.5	12.0	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-10.8 -6.4	4.7	2.1	6.5	0.7	3.1	50 30	30	30	30	30	30
1,2-Diethylbenzene	-2.4 -4.7	-1.0	-1.0	4.4	0.1	4.7	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-21.6 -2.7	-1.1	6.0	6.3	5.0	8.2	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-8.8 -7.1	2.3	1.8	7.3	1.0	3.6	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-9.8 -8.3	1.8	2.4	8.3	1.4	4.1	50 30	30	30	30	30	30
Hexachlorobutadiene	3.0 -13.3	0.8	0.0	7.3	-1.6	3.8	50 30	30	30	30	30	30
Naphthalene	-14.3 -12.3	-6.8	3.6	12.5	7.8	9.6	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	5.3 -13.3	-0.2	3.0	5.8	-1.5	0.8	50 30	30	30	30	30	30
2-Methylnaphthalene	-17.5 -6.4	-16.2	-1.3	13.6	11.4	16.3	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	2.1 -1.9	1.6	0.3	0.5	-0.4	-2.2	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	3.1 0.4	1.2	-1.1	-1.1	-0.5	-2.0	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 262892

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/07/2022 15:15 Calibration End Date: 06/07/2022 17:28 Calibration ID: 39396

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Toluene-d8 (Surr)	-0.1 -4.4	0.7	2.2	1.5	0.3	-0.1	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.6 -0.5	1.2	0.3	0.8	0.4	-0.6	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Jun-2022 17:28:30 ALS Bottle#: 18 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0058956-012
Misc. Info.: IC 1
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jun-2022 09:57:01 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: kellerk Date: 09-Jun-2022 08:08:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.989	1.983	0.006	94	6249	1.00	0.8810	
4 Chloromethane	50	2.184	2.190	-0.006	97	9086	1.00	1.01	
6 Vinyl chloride	62	2.287	2.293	-0.006	91	8534	1.00	0.9617	
5 Butadiene	39	2.299	2.318	-0.019	91	7500	1.00	0.9801	
8 Bromomethane	94	2.640	2.640	0.000	92	5707	1.00	0.99	
9 Chloroethane	64	2.719	2.719	0.000	91	4051	1.00	0.9246	
10 Dichlorofluoromethane	67	2.956	2.962	-0.006	95	10966	1.00	0.9829	
11 Trichlorofluoromethane	101	3.023	3.041	-0.018	41	7939	1.00	0.8807	
12 Pentane	43	3.053	3.054	-0.001	99	9844	1.00	1.13	
14 Ethyl ether	59	3.260	3.267	-0.007	93	3970	1.00	0.9648	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.345	3.358	-0.013	59	5820	1.00	0.9405	M
16 Acrolein	56	3.431	3.425	0.006	96	19580	10.0	9.13	
17 1,1-Dichloroethene	96	3.577	3.577	0.000	94	3867	1.00	0.8828	
18 Acetone	58	3.607	3.589	0.018	95	1633	2.00	1.53	
19 112TCTFE	101	3.619	3.632	-0.013	76	4491	1.00	0.8662	
20 Isopropyl alcohol	45	3.759	3.759	0.000	28	2464	5.00	2.14	
21 Iodomethane	142	3.777	3.784	-0.007	96	7320	1.00	0.9188	
22 Carbon disulfide	76	3.887	3.905	-0.018	100	15363	1.00	0.9679	M
24 Methyl acetate	43	4.039	4.021	0.018	38	6346	1.00	0.9665	
25 3-Chloro-1-propene	41	4.045	4.057	-0.012	91	6736	1.00	0.9840	
* 26 t-Butyl alcohol-d10 (IS)	65	4.240	4.234	0.006	33	335335	250.0	250.0	
27 Methylene Chloride	84	4.234	4.246	-0.012	36	4768	1.00	0.9177	M
28 2-Methyl-2-propanol	59	4.368	4.380	-0.012	1	7877	5.00	4.38	
30 Acrylonitrile	53	4.574	4.562	0.012	97	7730	2.50	2.20	
31 Methyl tert-butyl ether	73	4.641	4.654	-0.013	96	15306	1.00	0.9786	
32 trans-1,2-Dichloroethene	96	4.666	4.672	-0.006	97	4377	1.00	0.9557	
33 Hexane	57	5.104	5.104	0.000	90	6099	1.00	0.8655	
35 1,1-Dichloroethane	63	5.329	5.323	0.006	90	8108	1.00	0.9667	
36 Isopropyl ether	45	5.390	5.390	0.000	91	14116	1.00	0.9187	
37 2-Chloro-1,3-butadiene	53	5.444	5.438	0.006	89	5448	1.00	0.8400	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.931	5.925	0.006	95	13244	1.00	0.9081	
40 2-Butanone (MEK)	43	6.156	6.126	0.030	98	7825	2.00	1.58	
S 39 1,2-Dichloroethene, Total	100				0			1.84	
41 cis-1,2-Dichloroethene	96	6.162	6.156	0.006	77	4431	1.00	0.8796	
43 2,2-Dichloropropane	77	6.187	6.181	0.005	59	6652	1.00	0.9245	
44 Propionitrile	54	6.217	6.193	0.024	91	7576	5.00	4.34	
45 Methacrylonitrile	67	6.424	6.418	0.006	84	7209	2.50	2.13	
46 Chlorobromomethane	128	6.497	6.503	-0.006	91	2144	1.00	0.8216	
47 Tetrahydrofuran	71	6.515	6.521	-0.006	90	6366	5.00	4.53	
48 Chloroform	83	6.637	6.643	-0.006	89	7993	1.00	0.9889	
$ 49 Dibromofluoromethane (Surr)	113	6.862	6.862	0.000	93	170655	50.0	51.0	
50 1,1,1-Trichloroethane	97	6.886	6.886	0.000	61	6705	1.00	0.8998	
51 Cyclohexane	56	6.996	7.002	-0.006	90	8515	1.00	0.8722	
52 1,1-Dichloropropene	75	7.093	7.099	-0.006	92	5653	1.00	0.8627	
53 Carbon tetrachloride	117	7.111	7.105	0.006	79	5412	1.00	0.8790	
54 Isobutyl alcohol	41	7.251	7.221	0.030	29	6144	12.5	10.3	M
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.318	7.330	-0.012	67	44299	50.0	51.6	
56 Benzene	78	7.361	7.361	0.000	96	18579	1.00	0.9347	
58 1,2-Dichloroethane	62	7.428	7.428	0.000	92	6442	1.00	0.9779	
59 Tert-amyl methyl ether	73	7.549	7.549	0.000	96	12351	1.00	0.8582	
* 61 Fluorobenzene (IS)	96	7.762	7.762	0.000	99	696627	50.0	50.0	
62 n-Heptane	43	7.780	7.781	-0.001	37	6916	1.00	0.8583	
63 n-Butanol	56	8.145	8.115	0.030	81	3090	12.5	6.00	
64 Trichloroethene	95	8.249	8.249	0.000	91	4376	1.00	0.8830	
65 Methylcyclohexane	83	8.571	8.571	0.000	91	7997	1.00	0.8112	
66 1,2-Dichloropropane	63	8.577	8.578	-0.001	69	4644	1.00	0.8692	
67 2-ethoxy-2-methyl butane	87	8.590	8.584	0.006	92	5393	1.00	0.8136	
68 Methyl methacrylate	69	8.669	8.651	0.018	75	3305	1.00	0.6944	
69 1,4-Dioxane	88		8.669				ND	ND	
70 Dibromomethane	93	8.693	8.693	0.000	95	2969	1.00	0.8722	
72 Dichlorobromomethane	83	8.924	8.924	0.000	95	5529	1.00	0.9087	
73 2-Nitropropane	41	9.180	9.168	0.012	97	9477	5.00	4.31	
74 2-Chloroethyl vinyl ether	63	9.295	9.277	0.018	84	2461	1.00	0.6868	M
75 cis-1,3-Dichloropropene	75	9.472	9.472	0.000	95	6511	1.00	0.8286	
76 4-Methyl-2-pentanone (MIBK)	43	9.636	9.624	0.012	96	14558	2.00	1.53	
$ 77 Toluene-d8 (Surr)	98	9.782	9.782	0.000	93	673118	50.0	49.9	
78 Toluene	92	9.855	9.855	0.000	97	11068	1.00	0.9336	
S 80 1,3-Dichloropropene, Total	100				0			1.66	
81 trans-1,3-Dichloropropene	75	10.110	10.105	0.006	88	5663	1.00	0.8358	
82 Ethyl methacrylate	69	10.171	10.165	0.006	87	5466	1.00	0.7452	
83 1,1,2-Trichloroethane	97	10.317	10.311	0.006	86	4243	1.00	0.9262	
84 Tetrachloroethene	166	10.415	10.409	0.006	91	4453	1.00	0.9213	
85 1,3-Dichloropropane	76	10.482	10.476	0.006	89	6932	1.00	0.9091	
87 2-Hexanone	43	10.536	10.512	0.024	98	8181	2.00	1.30	
89 Chlorodibromomethane	129	10.694	10.695	-0.001	89	4414	1.00	0.8903	
90 Ethylene Dibromide	107	10.810	10.810	0.000	96	4334	1.00	0.8874	
* 93 Chlorobenzene-d5 (IS)	117	11.236	11.236	0.000	85	506372	50.0	50.0	
92 1-Chlorohexane	91	11.242	11.242	0.000	38	5852	1.00	0.9211	
S 91 Xylenes, Total	106				0			2.57	
94 Chlorobenzene	112	11.266	11.260	0.006	95	13423	1.00	0.9716	
95 1,1,1,2-Tetrachloroethane	131	11.339	11.346	-0.007	85	4266	1.00	0.8446	
96 Ethylbenzene	91	11.351	11.346	0.005	98	20921	1.00	0.8956	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
97 m-Xylene & p-Xylene	106	11.473	11.461	0.012	99	15761	2.00	1.73	
98 o-Xylene	106	11.796	11.790	0.006	95	8021	1.00	0.8430	
99 Styrene	104	11.814	11.808	0.006	92	10857	1.00	0.7626	
100 Bromoform	173	11.972	11.966	0.006	93	3037	1.00	0.8098	
101 Isopropylbenzene	105	12.094	12.088	0.006	95	20060	1.00	0.8051	
103 Cyclohexanone	55	12.173	12.161	0.012	92	23204	50.0	33.1	M
$ 104 4-Bromofluorobenzene (Surr)	95	12.240	12.240	0.000	89	249687	50.0	49.2	
105 1,1,2,2-Tetrachloroethane	83	12.331	12.325	0.006	92	9009	1.00	0.9518	
106 trans-1,4-Dichloro-2-butene	53	12.367	12.355	0.012	69	4626	2.50	1.82	
107 Bromobenzene	156	12.361	12.355	0.006	93	5343	1.00	0.9191	
108 1,2,3-Trichloropropane	110	12.380	12.374	0.006	83	2583	1.00	0.9510	
109 N-Propylbenzene	91	12.422	12.422	0.000	98	24745	1.00	0.8305	
110 2-Chlorotoluene	126	12.501	12.495	0.006	96	5237	1.00	0.8376	
111 1,3,5-Trimethylbenzene	105	12.556	12.556	0.000	93	17179	1.00	0.7740	
112 4-Chlorotoluene	126	12.599	12.593	0.006	96	5159	1.00	0.8497	
114 tert-Butylbenzene	134	12.799	12.800	-0.001	93	2706	1.00	0.6395	
116 1,2,4-Trimethylbenzene	105	12.848	12.842	0.006	97	17701	1.00	0.7807	
117 sec-Butylbenzene	105	12.964	12.964	0.000	94	22408	1.00	0.7786	
118 1,3-Dichlorobenzene	146	13.073	13.067	0.006	90	10799	1.00	0.9064	
119 4-Isopropyltoluene	119	13.073	13.067	0.006	96	17209	1.00	0.6945	
* 120 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	301636	50.0	50.0	
121 1,4-Dichlorobenzene	146	13.140	13.140	0.000	91	13100	1.00	1.04	
122 1,2,3-Trimethylbenzene	105	13.146	13.146	0.000	95	19437	1.00	0.8004	
123 Benzyl chloride	91	13.219	13.207	0.012	98	10830	1.00	0.6783	
124 1,3-Diethylbenzene	119	13.274	13.268	0.006	94	10704	1.00	0.7110	
125 p-Diethylbenzene	119	13.353	13.341	0.012	93	12046	1.00	0.7585	M
126 n-Butylbenzene	92	13.371	13.365	0.006	94	7627	1.00	0.5911	
127 1,2-Dichlorobenzene	146	13.408	13.396	0.012	96	11411	1.00	0.8922	
128 o-diethylbenzene	119	13.420	13.414	0.006	91	13262	1.00	0.9760	M
130 1,2-Dibromo-3-Chloropropane	75	13.949	13.937	0.012	83	2272	1.00	0.7841	
131 1,3,5-Trichlorobenzene	180	14.089	14.071	0.018	97	9505	1.00	0.9120	
132 1,2,4-Trichlorobenzene	180	14.509	14.491	0.018	93	9354	1.00	0.9021	
133 Hexachlorobutadiene	225	14.576	14.576	0.000	95	4218	1.00	1.03	
134 Naphthalene	128	14.685	14.673	0.012	97	32136	1.00	0.8573	
135 1,2,3-Trichlorobenzene	180	14.831	14.819	0.012	95	11537	1.00	1.05	
136 2-Methylnaphthalene	142	15.476	15.458	0.018	90	17858	1.00	0.8251	
S 166 Total Diethylbenzene	1				0			2.45	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_4ppbEE_00416	Amount Added: 12.50	Units: mL	
MSV_HP20_ISSS_00076	Amount Added: 1.00	Units: uL	Run Reagent

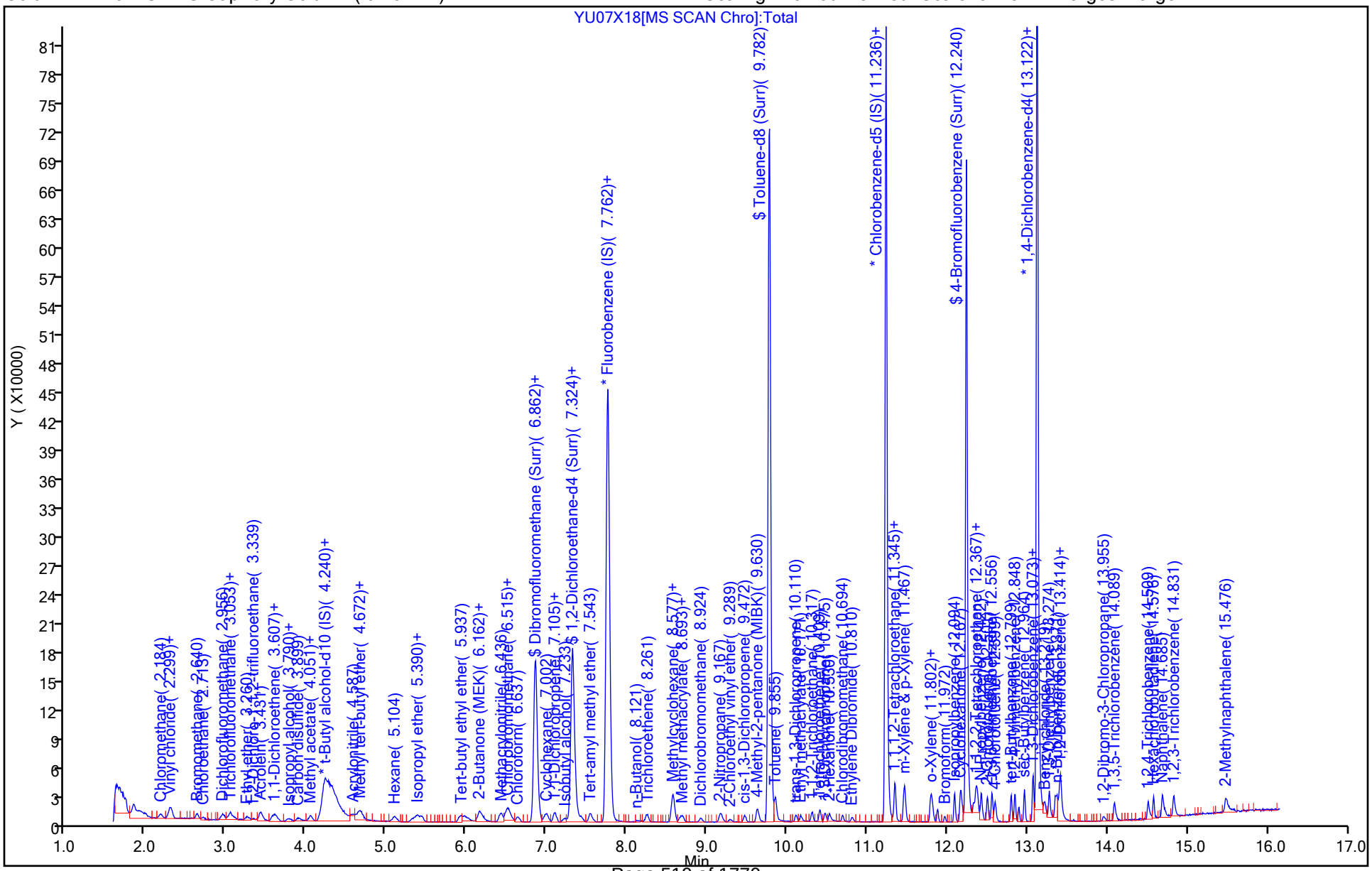
Report Date: 09-Jun-2022 09:57:02 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Injection Date:	07-Jun-2022 17:28:30	Instrument ID:	9355	Operator ID:	kas02648
Lims ID:	IC v1			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

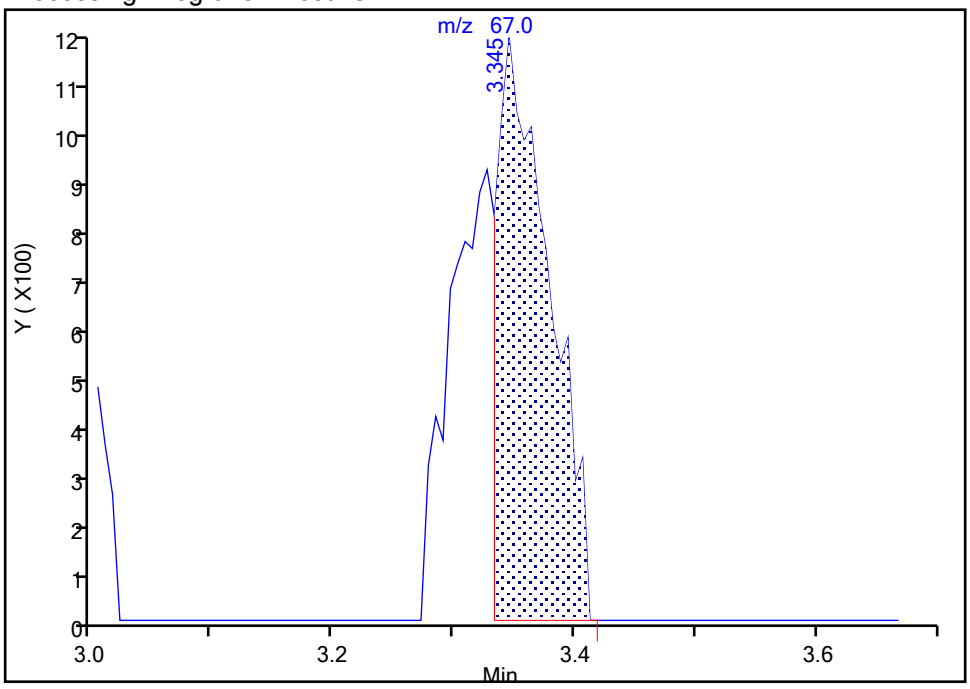
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D
Injection Date: 07-Jun-2022 17:28:30 Instrument ID: 9355
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 18 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

15 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

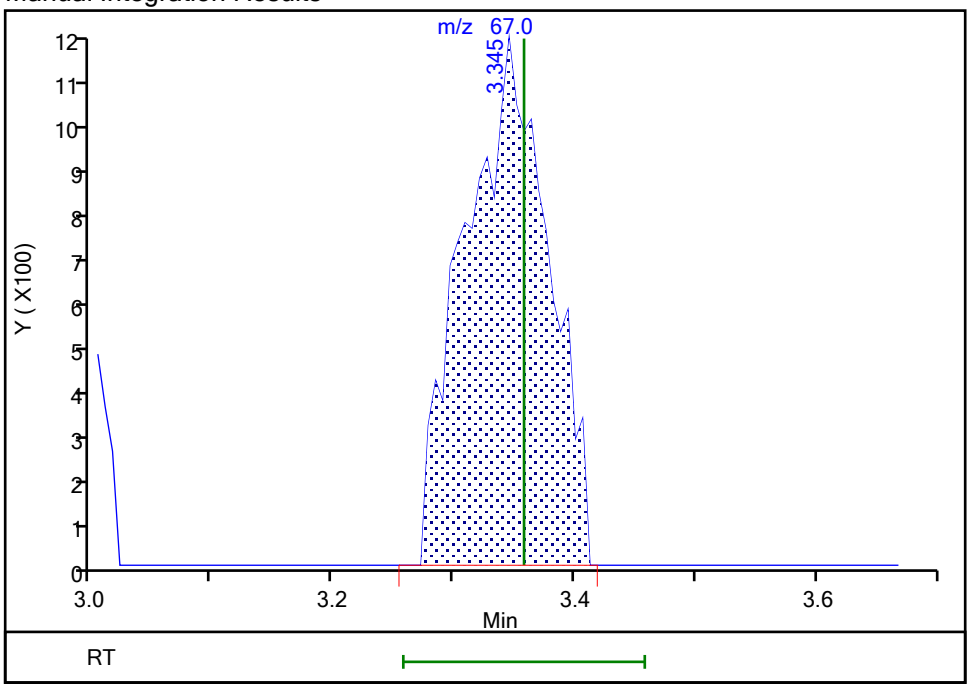
Processing Integration Results

RT: 3.35
Area: 3673
Amount: 0.587694
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 5820
Amount: 0.940463
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:44:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

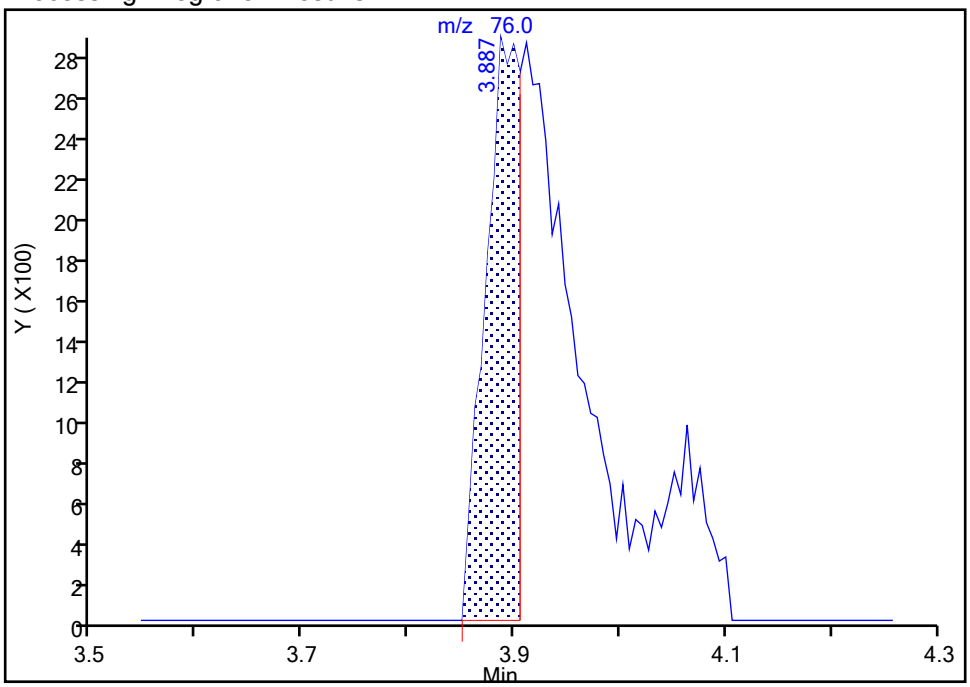
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D
Injection Date: 07-Jun-2022 17:28:30 Instrument ID: 9355
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 18 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

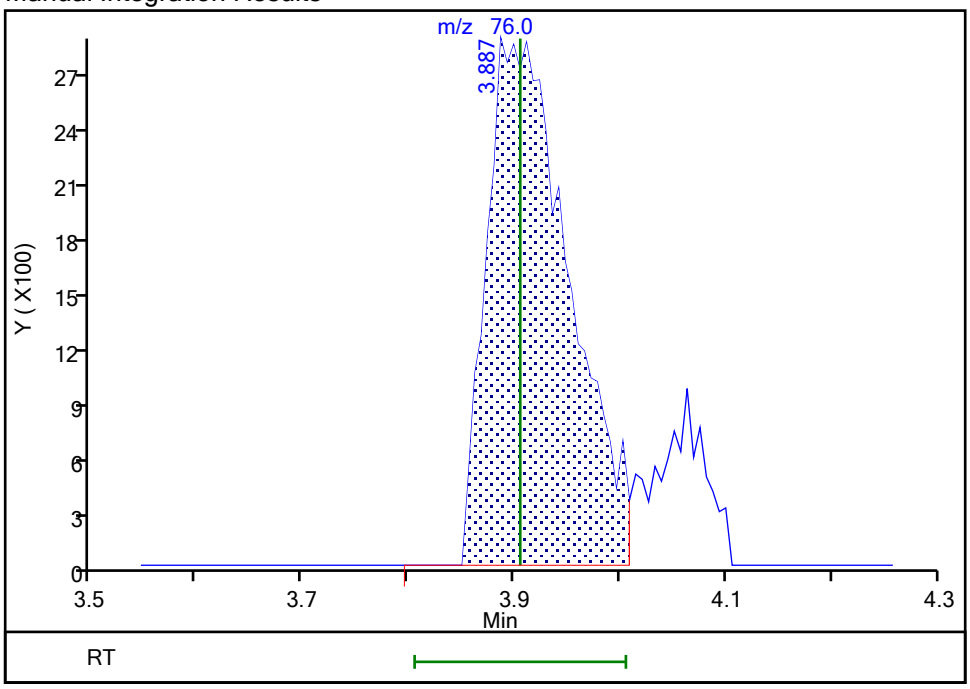
Processing Integration Results

RT: 3.89
Area: 6432
Amount: 0.403057
Amount Units: ug/l



Manual Integration Results

RT: 3.89
Area: 15363
Amount: 0.967868
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:07:43
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

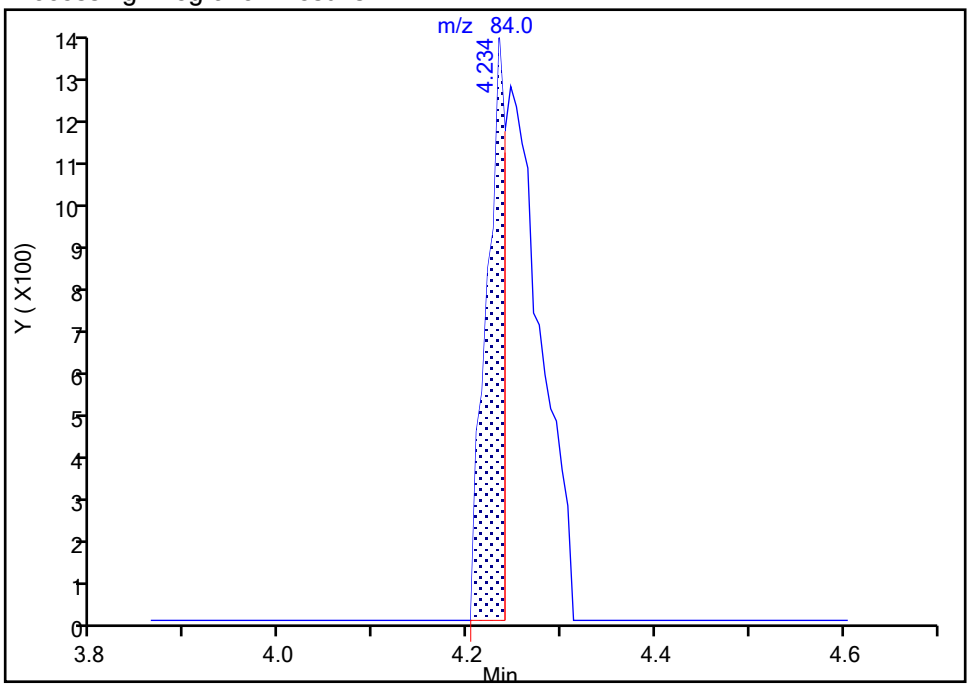
Data File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D				
Injection Date:	07-Jun-2022 17:28:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	18	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

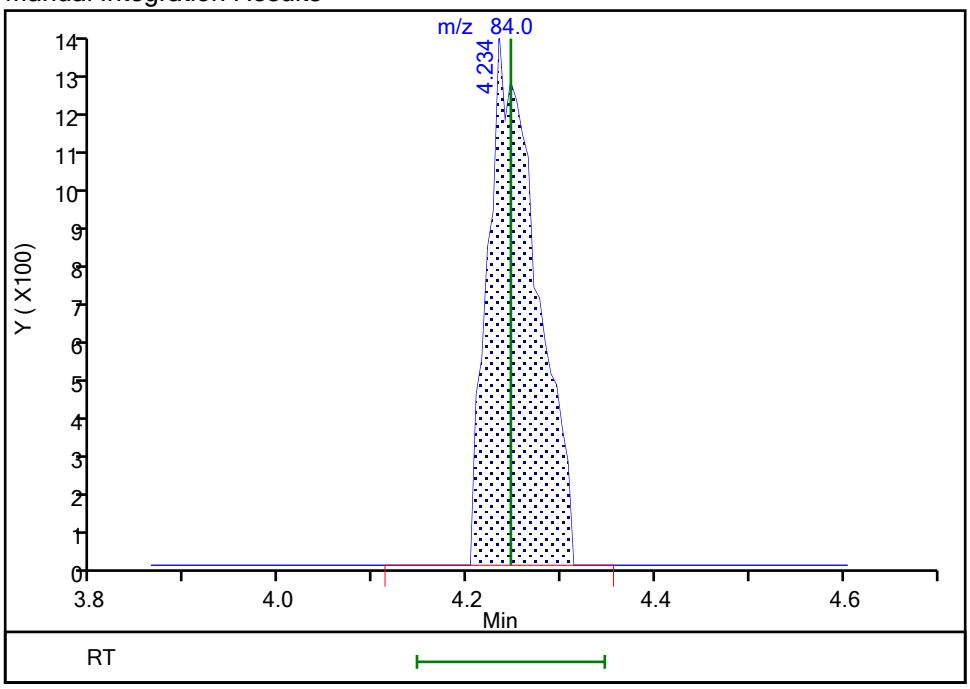
Processing Integration Results

RT: 4.23
Area: 1857
Amount: 0.352576
Amount Units: ug/l



Manual Integration Results

RT: 4.23
Area: 4768
Amount: 0.917686
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:08:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

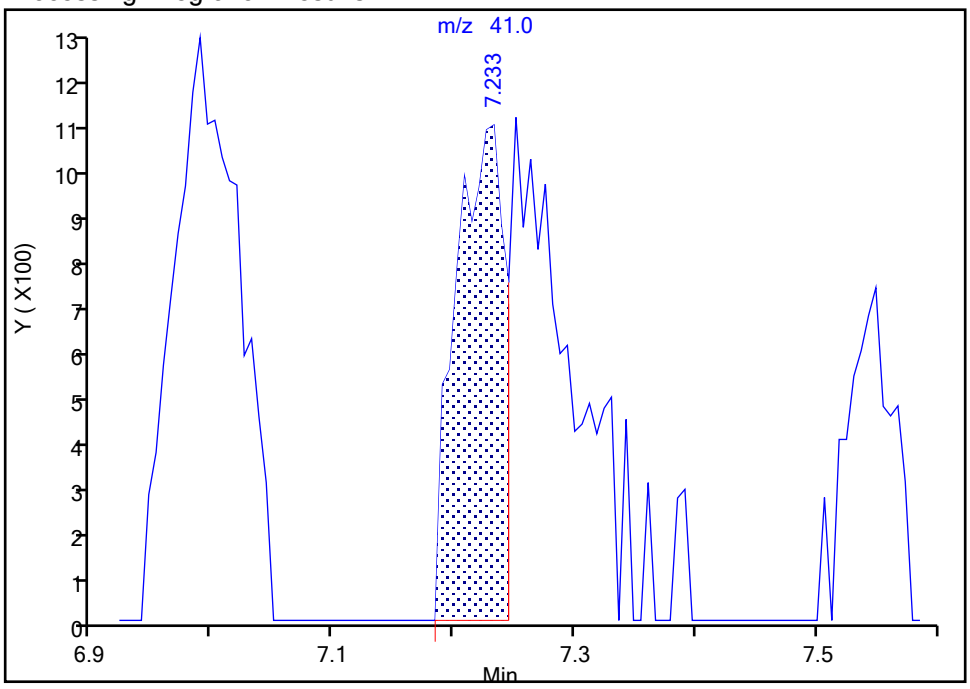
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D
Injection Date: 07-Jun-2022 17:28:30 Instrument ID: 9355
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 18 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

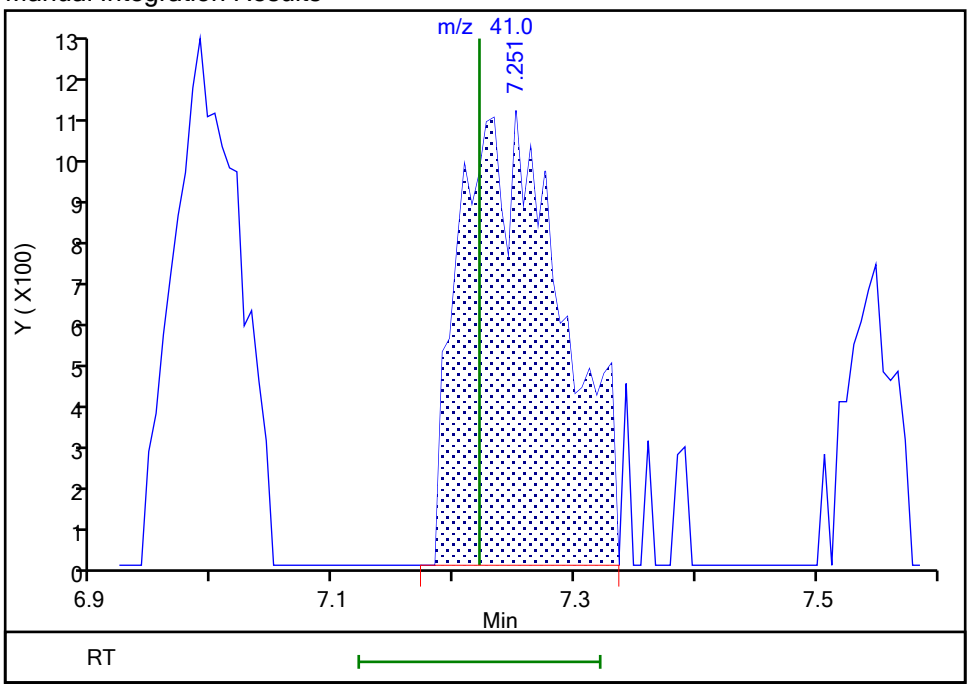
Processing Integration Results

RT: 7.23
Area: 2914
Amount: 4.792269
Amount Units: ug/l



Manual Integration Results

RT: 7.25
Area: 6144
Amount: 10.348378
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:09:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

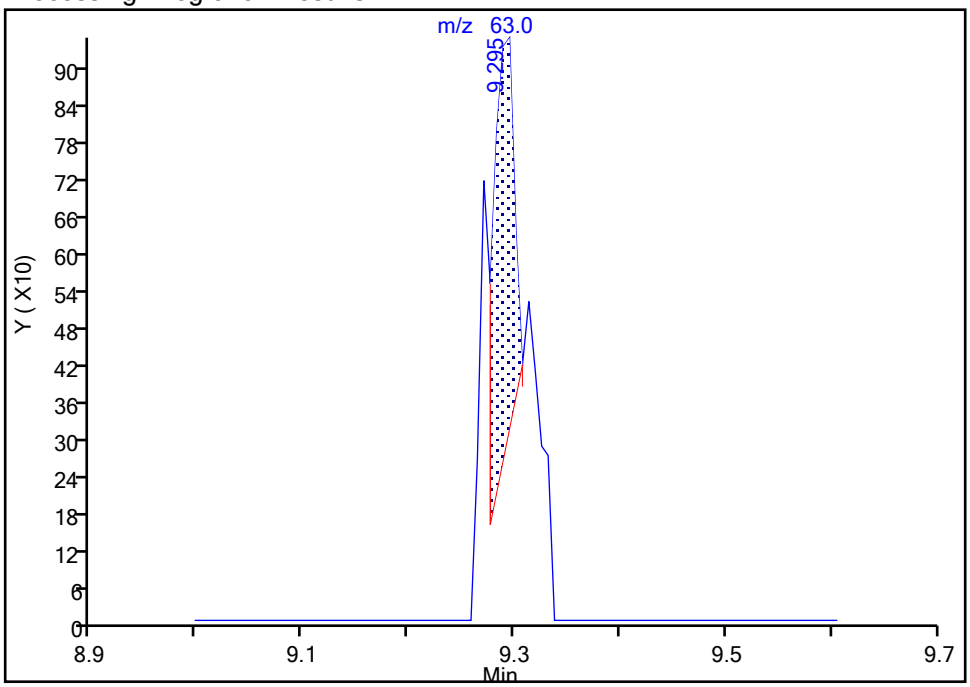
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D
Injection Date: 07-Jun-2022 17:28:30 Instrument ID: 9355
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 18 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

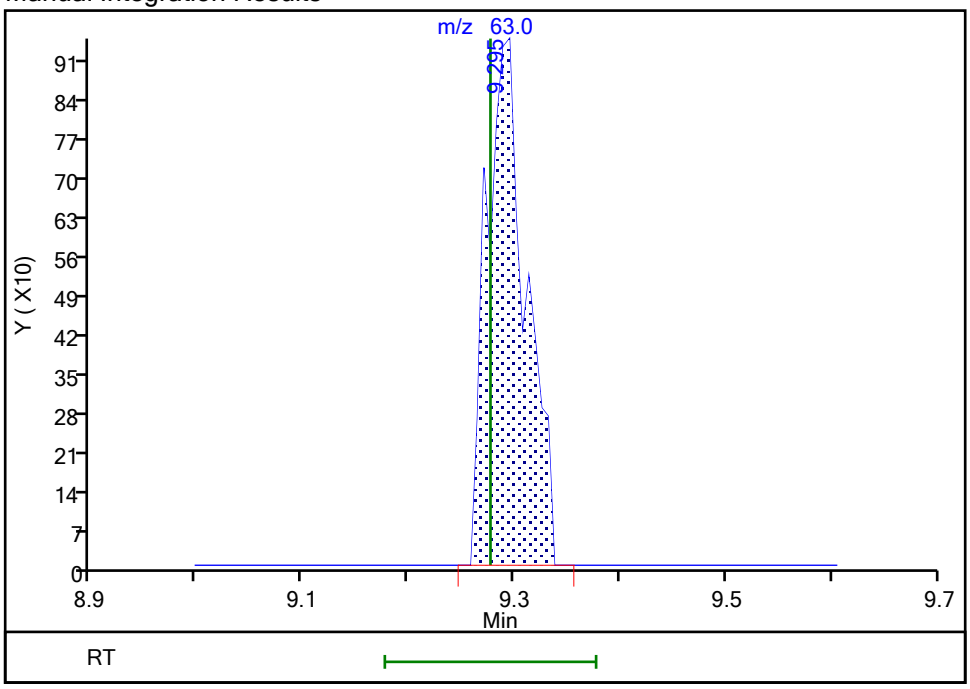
Processing Integration Results

RT: 9.30
Area: 936
Amount: 0.248267
Amount Units: ug/l



Manual Integration Results

RT: 9.30
Area: 2461
Amount: 0.686831
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:11:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

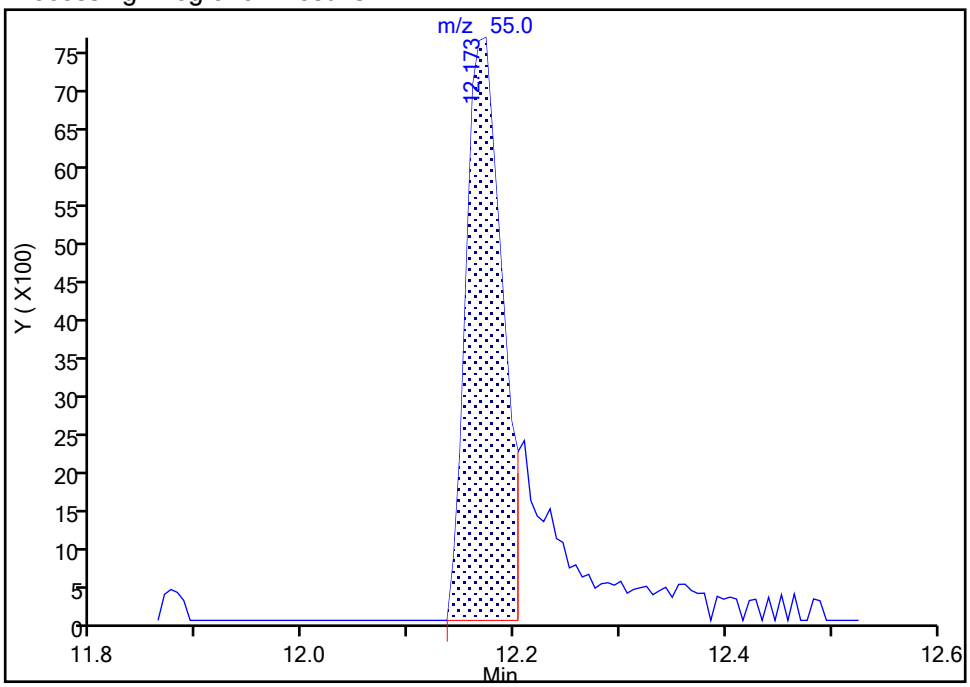
Data File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D				
Injection Date:	07-Jun-2022 17:28:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	18	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

103 Cyclohexanone, CAS: 108-94-1

Signal: 1

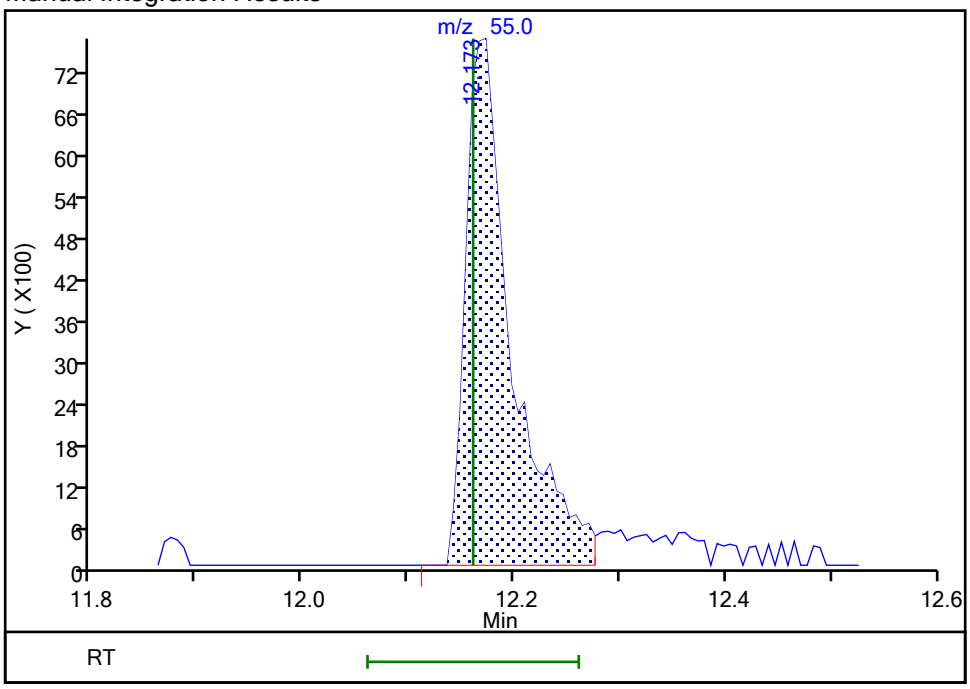
Processing Integration Results

RT: 12.17
Area: 18387
Amount: 24.961662
Amount Units: ug/l



Manual Integration Results

RT: 12.17
Area: 23204
Amount: 33.130053
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:13:47
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

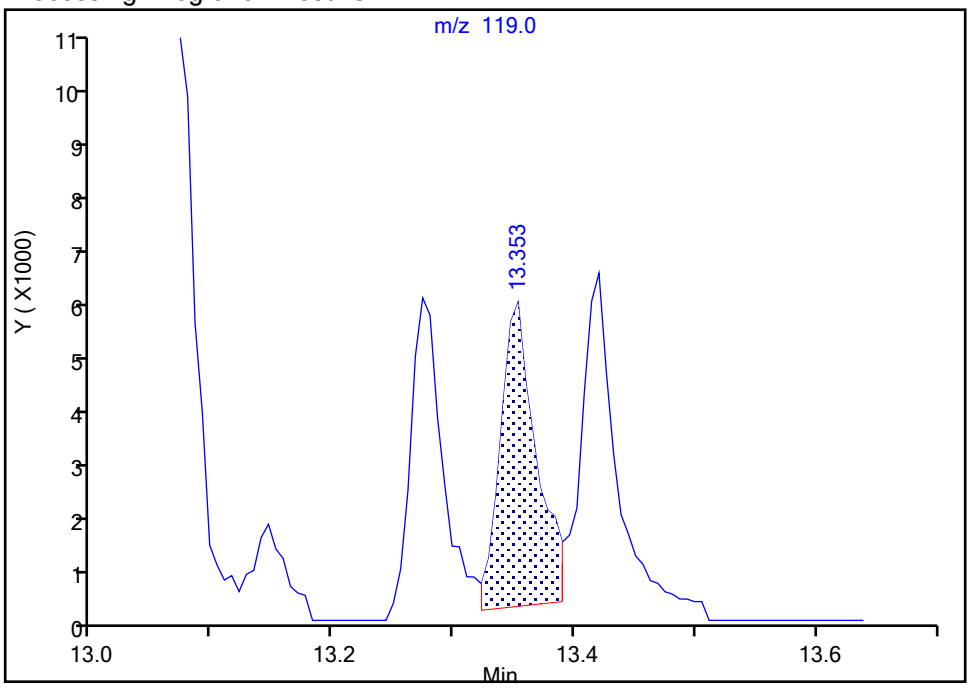
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D
Injection Date: 07-Jun-2022 17:28:30 Instrument ID: 9355
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 18 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

125 p-Diethylbenzene, CAS: 105-05-5

Signal: 1

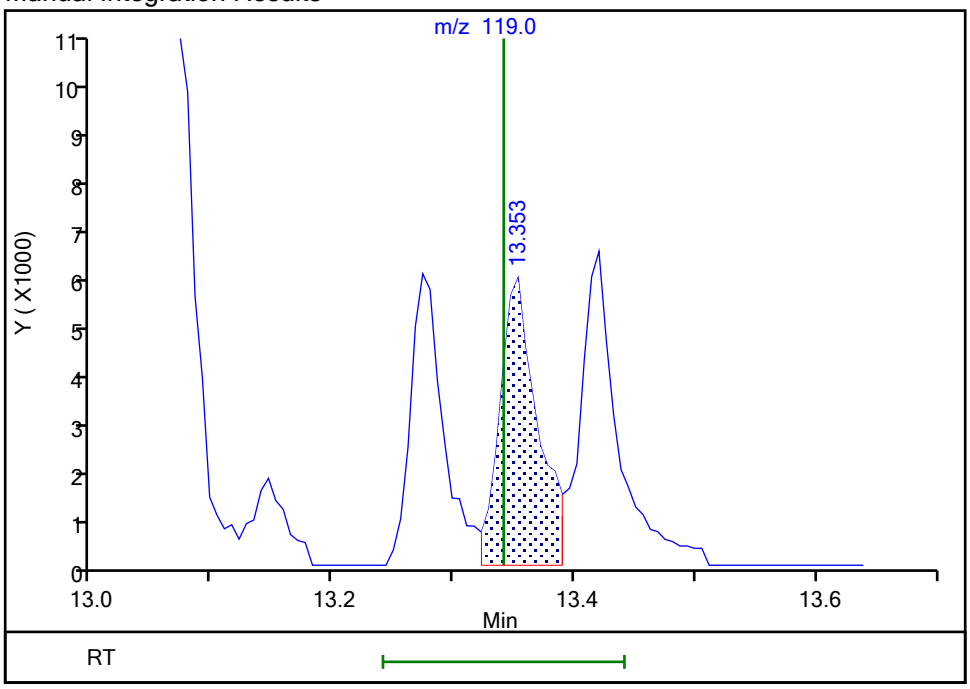
Processing Integration Results

RT: 13.35
Area: 10957
Amount: 0.696799
Amount Units: ug/l



Manual Integration Results

RT: 13.35
Area: 12046
Amount: 0.758548
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:47:27
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

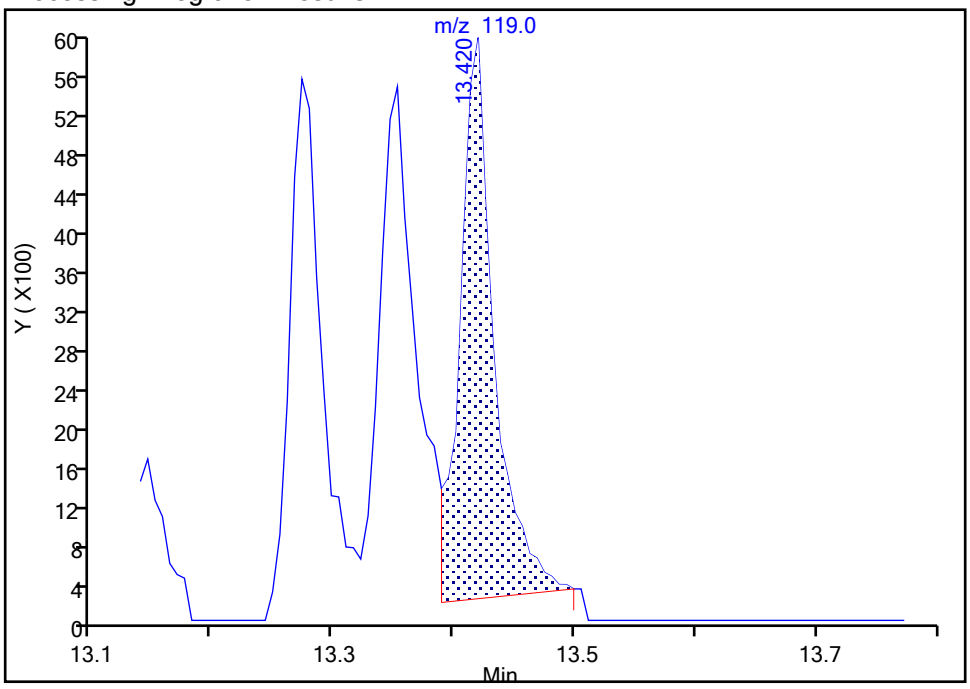
Data File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D				
Injection Date:	07-Jun-2022 17:28:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	18	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

128 o-diethylbenzene, CAS: 135-01-3

Signal: 1

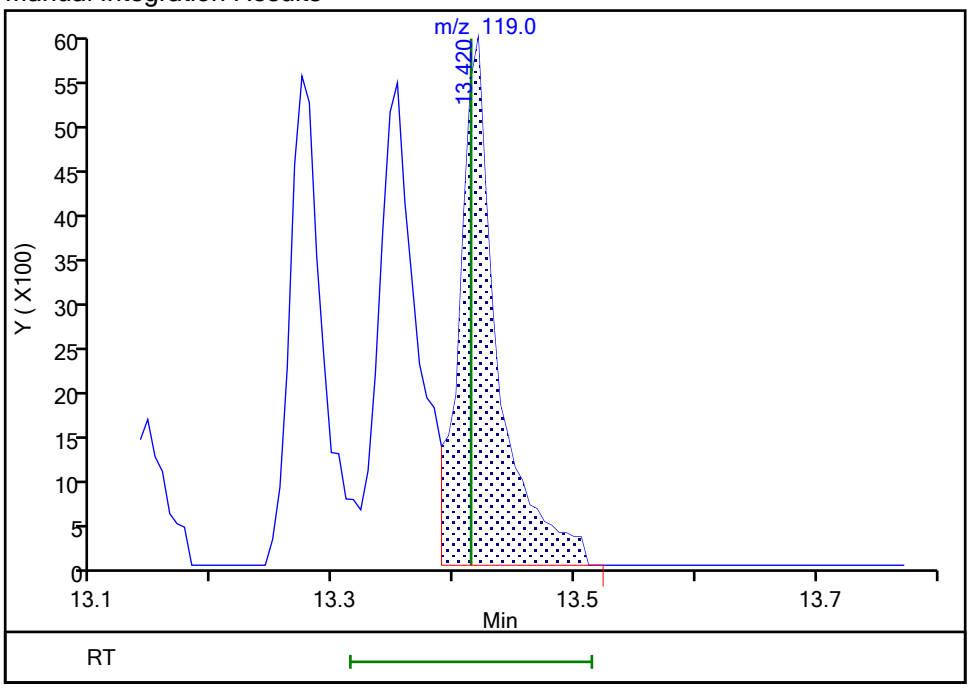
Processing Integration Results

RT: 13.42
Area: 11386
Amount: 0.854795
Amount Units: ug/l



Manual Integration Results

RT: 13.42
Area: 13262
Amount: 0.975997
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:46:54
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X17.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Jun-2022 17:06:30 ALS Bottle#: 17 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0058956-013
Misc. Info.: IC 4
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jun-2022 09:57:08 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: mellingerc Date: 08-Jun-2022 09:03:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.001	1.983	0.018	98	30392	4.00	4.17	
4 Chloromethane	50	2.190	2.190	0.000	99	39251	4.00	4.23	
6 Vinyl chloride	62	2.299	2.293	0.006	97	39106	4.00	4.29	
5 Butadiene	39	2.317	2.318	-0.001	93	33897	4.00	4.31	
8 Bromomethane	94	2.646	2.640	0.006	91	24602	4.00	4.17	
9 Chloroethane	64	2.725	2.719	0.006	97	18924	4.00	4.21	
10 Dichlorofluoromethane	67	2.968	2.962	0.006	97	48743	4.00	4.25	
11 Trichlorofluoromethane	101	3.035	3.041	-0.006	95	38694	4.00	4.18	
12 Pentane	43	3.066	3.054	0.012	97	39771	4.00	4.43	
14 Ethyl ether	59	3.266	3.267	-0.001	91	17865	4.00	4.23	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.352	3.358	-0.006	92	26713	4.00	4.20	
16 Acrolein	56	3.437	3.425	0.012	99	82960	40.0	38.6	
17 1,1-Dichloroethene	96	3.583	3.577	0.006	96	18413	4.00	4.09	
18 Acetone	58	3.601	3.589	0.012	99	8150	8.00	7.61	
19 112TCTFE	101	3.631	3.632	-0.001	91	21762	4.00	4.09	
20 Isopropyl alcohol	45	3.771	3.759	0.012	42	21744	20.0	18.8	
21 Iodomethane	142	3.796	3.784	0.012	98	33332	4.00	4.07	
22 Carbon disulfide	76	3.905	3.905	0.000	99	69543	4.00	4.27	
24 Methyl acetate	43	4.033	4.021	0.012	97	29555	4.00	4.38	M
25 3-Chloro-1-propene	41	4.057	4.057	0.000	92	30244	4.00	4.30	
* 26 t-Butyl alcohol-d10 (IS)	65	4.252	4.234	0.018	89	336312	250.0	250.0	
27 Methylene Chloride	84	4.246	4.246	0.000	94	22444	4.00	4.21	
28 2-Methyl-2-propanol	59	4.392	4.380	0.012	41	36782	20.0	20.4	
30 Acrylonitrile	53	4.568	4.562	0.006	99	35949	10.0	9.97	
31 Methyl tert-butyl ether	73	4.653	4.654	-0.001	95	64852	4.00	4.04	
32 trans-1,2-Dichloroethene	96	4.684	4.672	0.012	98	20076	4.00	4.27	
33 Hexane	57	5.104	5.104	0.000	93	30206	4.00	4.17	
35 1,1-Dichloroethane	63	5.329	5.323	0.006	96	36070	4.00	4.19	
36 Isopropyl ether	45	5.383	5.390	-0.007	93	62783	4.00	3.98	
37 2-Chloro-1,3-butadiene	53	5.444	5.438	0.006	91	27319	4.00	4.10	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.931	5.925	0.006	96	58951	4.00	3.94	
40 2-Butanone (MEK)	43	6.132	6.126	0.006	100	38787	8.00	7.63	
S 39 1,2-Dichloroethene, Total	100				0			8.45	
41 cis-1,2-Dichloroethene	96	6.162	6.156	0.006	83	21611	4.00	4.18	
43 2,2-Dichloropropane	77	6.186	6.181	0.005	88	29362	4.00	3.97	
44 Propionitrile	54	6.211	6.193	0.018	98	34379	20.0	19.7	
45 Methacrylonitrile	67	6.424	6.418	0.006	90	33461	10.0	9.61	
46 Chlorobromomethane	128	6.497	6.503	-0.006	72	11604	4.00	4.33	
47 Tetrahydrofuran	71	6.521	6.521	0.000	93	27506	20.0	19.5	
48 Chloroform	83	6.643	6.643	0.000	92	35270	4.00	4.25	
$ 49 Dibromofluoromethane (Surr)	113	6.862	6.862	0.000	93	174398	50.0	50.8	
50 1,1,1-Trichloroethane	97	6.886	6.886	0.000	57	31461	4.00	4.11	
51 Cyclohexane	56	7.002	7.002	0.000	91	40868	4.00	4.08	
52 1,1-Dichloropropene	75	7.105	7.099	0.006	97	28815	4.00	4.28	
53 Carbon tetrachloride	117	7.111	7.105	0.006	83	26384	4.00	4.17	
54 Isobutyl alcohol	41	7.221	7.221	0.000	96	27415	50.0	46.0	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.324	7.330	-0.006	65	44656	50.0	50.6	
56 Benzene	78	7.367	7.361	0.006	93	84646	4.00	4.15	
58 1,2-Dichloroethane	62	7.434	7.428	0.006	96	27327	4.00	4.04	
59 Tert-amyl methyl ether	73	7.543	7.549	-0.006	96	57404	4.00	3.88	
* 61 Fluorobenzene (IS)	96	7.762	7.762	0.000	99	715424	50.0	50.0	
62 n-Heptane	43	7.780	7.781	-0.001	91	33670	4.00	4.07	
63 n-Butanol	56	8.133	8.115	0.018	93	18975	50.0	36.7	
64 Trichloroethene	95	8.255	8.249	0.006	97	21804	4.00	4.28	
65 Methylcyclohexane	83	8.565	8.571	-0.006	95	39394	4.00	3.89	
66 1,2-Dichloropropane	63	8.583	8.578	0.005	74	21723	4.00	3.96	
67 2-ethoxy-2-methyl butane	87	8.577	8.584	-0.007	91	25259	4.00	3.71	
68 Methyl methacrylate	69	8.662	8.651	0.011	90	17111	4.00	3.50	
69 1,4-Dioxane	88	8.681	8.669	0.012	37	6854	50.0	39.7	M
70 Dibromomethane	93	8.693	8.693	0.000	97	13773	4.00	3.94	
72 Dichlorobromomethane	83	8.930	8.924	0.006	99	24485	4.00	3.92	
73 2-Nitropropane	41	9.174	9.168	0.006	98	40934	20.0	18.6	
74 2-Chloroethyl vinyl ether	63	9.283	9.277	0.006	91	12005	4.00	3.26	
75 cis-1,3-Dichloropropene	75	9.472	9.472	0.000	96	30071	4.00	3.73	
76 4-Methyl-2-pentanone (MIBK)	43	9.630	9.624	0.006	97	68819	8.00	7.02	
$ 77 Toluene-d8 (Surr)	98	9.782	9.782	0.000	93	703439	50.0	50.4	
78 Toluene	92	9.855	9.855	0.000	98	50521	4.00	4.11	
S 80 1,3-Dichloropropene, Total	100				0			7.34	
81 trans-1,3-Dichloropropene	75	10.110	10.105	0.006	93	25397	4.00	3.62	
82 Ethyl methacrylate	69	10.171	10.165	0.006	90	27534	4.00	3.62	
83 1,1,2-Trichloroethane	97	10.311	10.311	0.000	91	19140	4.00	4.03	
84 Tetrachloroethene	166	10.415	10.409	0.006	95	21205	4.00	4.23	
85 1,3-Dichloropropane	76	10.475	10.476	-0.001	88	31014	4.00	3.93	
87 2-Hexanone	43	10.518	10.512	0.006	96	43724	8.00	6.73	
89 Chlorodibromomethane	129	10.694	10.695	-0.001	89	19799	4.00	3.85	
90 Ethylene Dibromide	107	10.810	10.810	0.000	99	19525	4.00	3.86	
* 93 Chlorobenzene-d5 (IS)	117	11.236	11.236	0.000	86	524614	50.0	50.0	
92 1-Chlorohexane	91	11.242	11.242	0.000	90	26834	4.00	4.08	
S 91 Xylenes, Total	106				0			11.9	
94 Chlorobenzene	112	11.266	11.260	0.006	96	58101	4.00	4.06	
95 1,1,1,2-Tetrachloroethane	131	11.339	11.346	-0.007	95	21704	4.00	4.15	
96 Ethylbenzene	91	11.351	11.346	0.005	98	97714	4.00	4.04	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
97 m-Xylene & p-Xylene	106	11.467	11.461	0.006	99	74688	8.00	7.91	
98 o-Xylene	106	11.789	11.790	-0.001	96	39300	4.00	3.99	
99 Styrene	104	11.808	11.808	0.000	94	54996	4.00	3.73	
100 Bromoform	173	11.972	11.966	0.006	96	14968	4.00	3.85	
101 Isopropylbenzene	105	12.094	12.088	0.006	96	104759	4.00	4.06	
103 Cyclohexanone	55	12.167	12.161	0.006	92	132419	200.0	188.5	
$ 104 4-Bromofluorobenzene (Surr)	95	12.240	12.240	0.000	88	265981	50.0	50.6	
105 1,1,2,2-Tetrachloroethane	83	12.331	12.325	0.006	95	39133	4.00	3.97	
106 trans-1,4-Dichloro-2-butene	53	12.355	12.355	0.000	75	24317	10.0	9.18	
107 Bromobenzene	156	12.355	12.355	0.000	94	24924	4.00	4.12	
108 1,2,3-Trichloropropane	110	12.380	12.374	0.006	82	11082	4.00	3.92	
109 N-Propylbenzene	91	12.422	12.422	0.000	98	127021	4.00	4.09	
110 2-Chlorotoluene	126	12.501	12.495	0.006	97	26656	4.00	4.09	
111 1,3,5-Trimethylbenzene	105	12.556	12.556	0.000	94	90972	4.00	3.94	
112 4-Chlorotoluene	126	12.592	12.593	-0.001	96	25232	4.00	3.99	
114 tert-Butylbenzene	134	12.799	12.800	-0.001	93	16902	4.00	3.84	
116 1,2,4-Trimethylbenzene	105	12.842	12.842	0.000	96	88950	4.00	3.77	
117 sec-Butylbenzene	105	12.964	12.964	0.000	94	118589	4.00	3.96	
118 1,3-Dichlorobenzene	146	13.067	13.067	0.000	98	50961	4.00	4.11	
119 4-Isopropyltoluene	119	13.073	13.067	0.006	97	100191	4.00	3.88	
* 120 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	314078	50.0	50.0	
121 1,4-Dichlorobenzene	146	13.140	13.140	0.000	93	53756	4.00	4.10	
122 1,2,3-Trimethylbenzene	105	13.146	13.146	0.000	98	99812	4.00	3.95	
123 Benzyl chloride	91	13.213	13.207	0.006	99	55292	4.00	3.33	
124 1,3-Diethylbenzene	119	13.274	13.268	0.006	96	60893	4.00	3.88	
125 p-Diethylbenzene	119	13.347	13.341	0.006	96	65006	4.00	3.93	
126 n-Butylbenzene	92	13.365	13.365	0.000	96	56331	4.00	4.19	
127 1,2-Dichlorobenzene	146	13.402	13.396	0.006	97	55772	4.00	4.19	
128 o-diethylbenzene	119	13.414	13.414	0.000	94	56009	4.00	3.96	
130 1,2-Dibromo-3-Chloropropane	75	13.943	13.937	0.006	83	11932	4.00	3.95	
131 1,3,5-Trichlorobenzene	180	14.077	14.071	0.006	97	44398	4.00	4.09	
132 1,2,4-Trichlorobenzene	180	14.497	14.491	0.006	95	43946	4.00	4.07	
133 Hexachlorobutadiene	225	14.576	14.576	0.000	98	17204	4.00	4.03	
134 Naphthalene	128	14.679	14.673	0.006	97	145428	4.00	3.73	
135 1,2,3-Trichlorobenzene	180	14.825	14.819	0.006	95	45555	4.00	3.99	
136 2-Methylnaphthalene	142	15.464	15.458	0.006	92	75510	4.00	3.35	
S 166 Total Diethylbenzene	1				0			11.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00073	Amount Added: 4.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added: 32.00	Units: uL	
MSV_CCV_GASES_00251	Amount Added: 2.00	Units: uL	
MSV_CCV_VOC#3_00073	Amount Added: 3.20	Units: uL	
MSV_CCV_2CEVE_00069	Amount Added: 4.00	Units: uL	
MSV_CCV_EE_00003	Amount Added: 4.00	Units: uL	
	Amount Added: 12.00	Units: uL	
MSV_HP20_ISSS_00076	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 09-Jun-2022 09:57:09 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X17.D

Injection Date: 07-Jun-2022 17:06:30 Instrument ID: 9355 Operator ID: kas02648

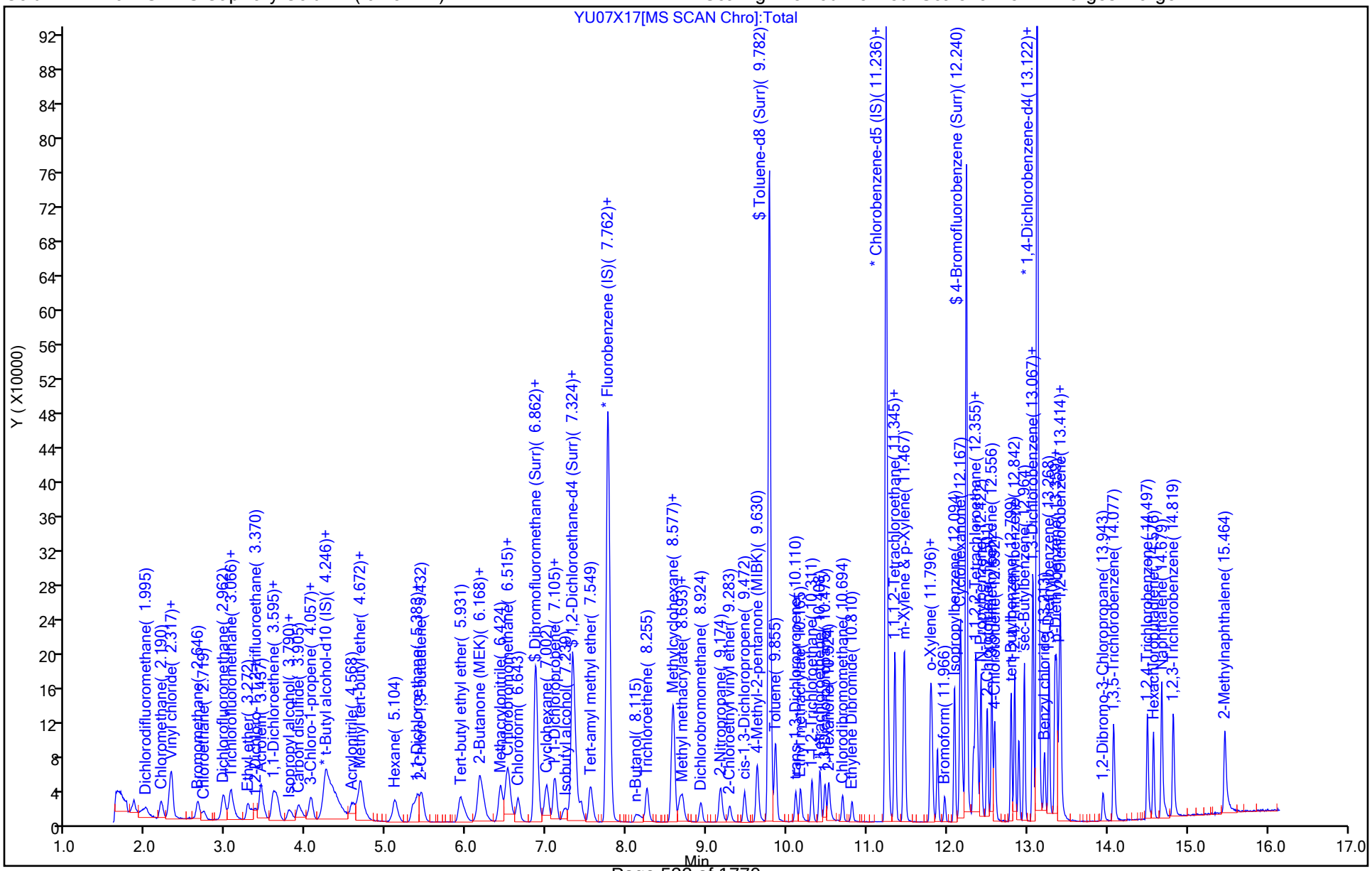
Lims ID: IC v4 Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 17

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

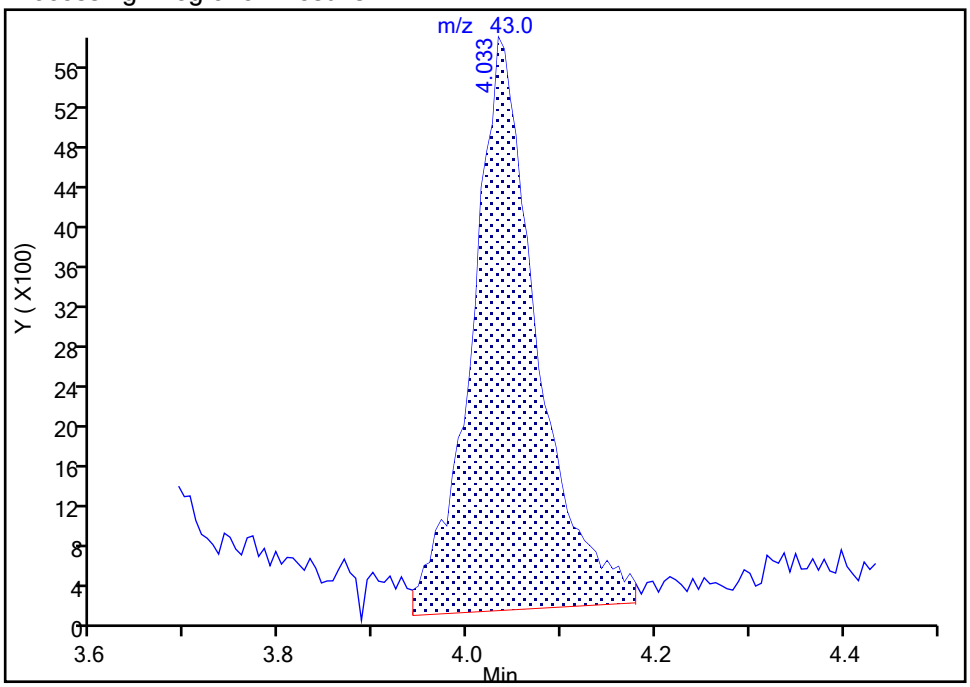
Data File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X17.D				
Injection Date:	07-Jun-2022 17:06:30	Instrument ID:	9355		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	17	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

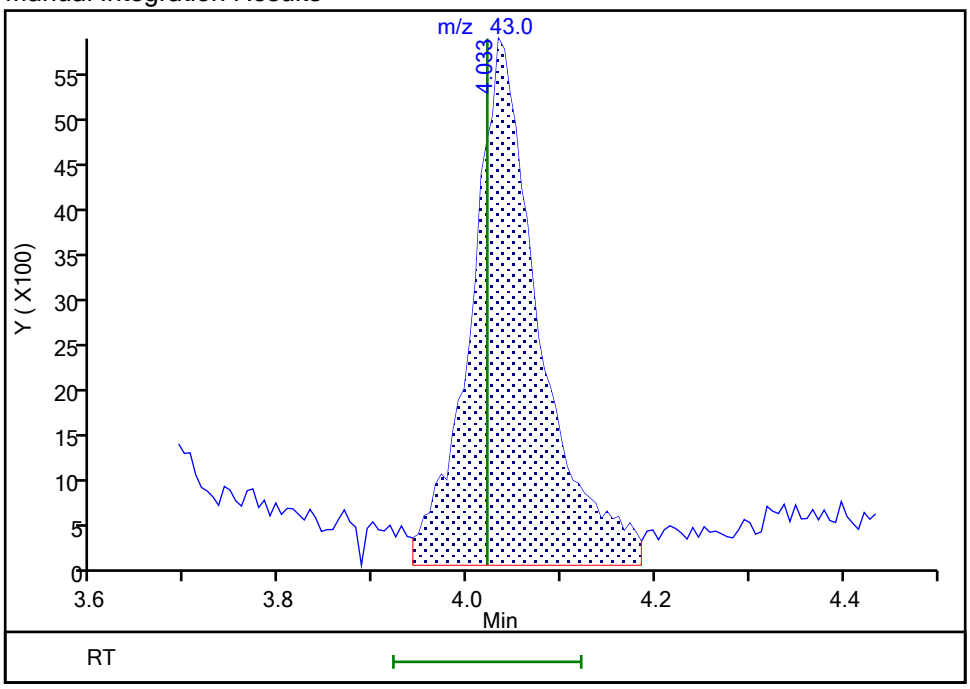
Processing Integration Results

RT: 4.03
Area: 27816
Amount: 4.163269
Amount Units: ug/l



Manual Integration Results

RT: 4.03
Area: 29555
Amount: 4.382807
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:18:45
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

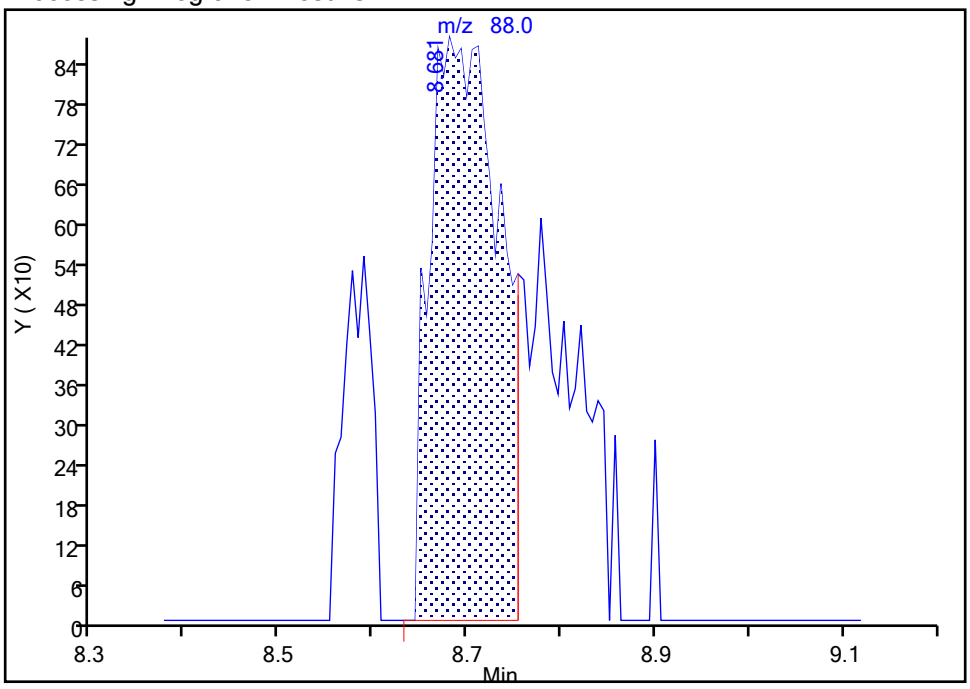
Data File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X17.D				
Injection Date:	07-Jun-2022 17:06:30	Instrument ID:	9355		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	17	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

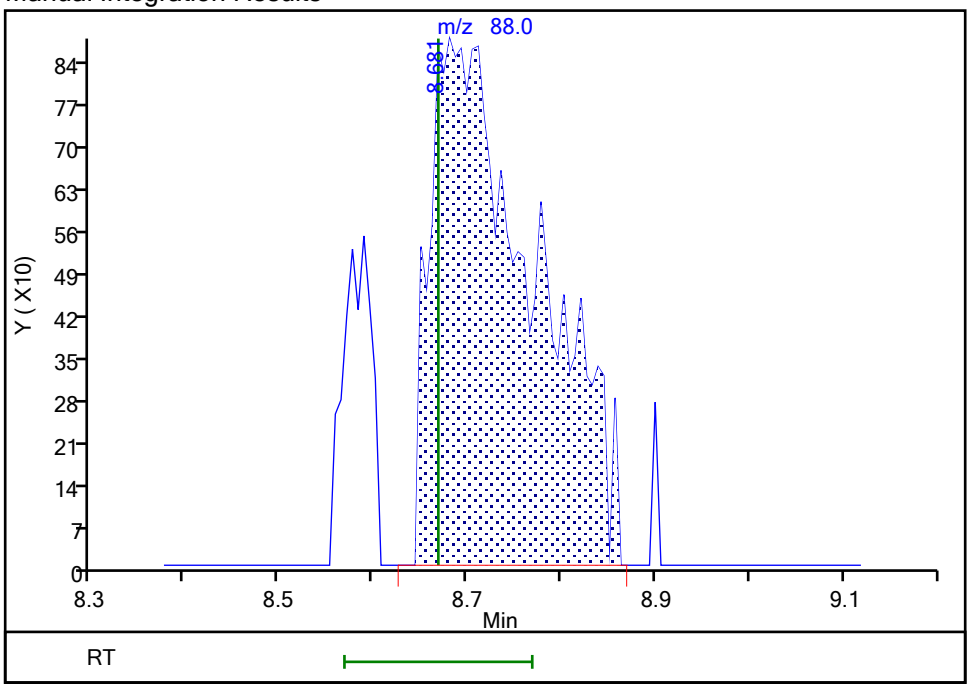
Processing Integration Results

RT: 8.68
Area: 4570
Amount: 20.212685
Amount Units: ug/l



Manual Integration Results

RT: 8.68
Area: 6854
Amount: 39.728767
Amount Units: ug/l



Reviewer: mellingerc, 08-Jun-2022 09:03:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X16.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Jun-2022 16:44:30 ALS Bottle#: 16 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0058956-014
Misc. Info.: IC 10
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jun-2022 09:57:15 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: mellingerc Date: 08-Jun-2022 09:04:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.989	1.983	0.006	99	74567	10.0	10.1	
4 Chloromethane	50	2.184	2.190	-0.006	99	97351	10.0	10.3	
6 Vinyl chloride	62	2.287	2.293	-0.006	98	93324	10.0	10.1	
5 Butadiene	39	2.305	2.318	-0.013	92	79711	10.0	10.0	
8 Bromomethane	94	2.640	2.640	0.000	89	61119	10.0	10.2	
9 Chloroethane	64	2.713	2.719	-0.006	99	47104	10.0	10.3	
10 Dichlorofluoromethane	67	2.956	2.962	-0.006	97	119589	10.0	10.3	
11 Trichlorofluoromethane	101	3.041	3.041	0.000	53	93822	10.0	10.0	
12 Pentane	43	3.054	3.054	0.000	97	92691	10.0	10.2	
14 Ethyl ether	59	3.261	3.267	-0.007	92	42029	10.0	9.81	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.352	3.358	-0.006	94	65365	10.0	10.1	
16 Acrolein	56	3.425	3.425	0.000	99	225802	100.0	100.2	
17 1,1-Dichloroethene	96	3.577	3.577	0.000	98	45798	10.0	10.0	
18 Acetone	58	3.601	3.589	0.012	100	23775	20.0	21.2	
19 112TCTFE	101	3.626	3.632	-0.006	92	55772	10.0	10.3	
20 Isopropyl alcohol	45	3.747	3.759	-0.012	96	59208	50.0	48.9	
21 Iodomethane	142	3.784	3.784	0.000	97	82180	10.0	9.90	
22 Carbon disulfide	76	3.899	3.905	-0.006	99	164895	10.0	9.98	
24 Methyl acetate	43	4.021	4.021	0.000	97	63982	10.0	9.36	
25 3-Chloro-1-propene	41	4.051	4.057	-0.006	93	69711	10.0	9.78	
* 26 t-Butyl alcohol-d10 (IS)	65	4.252	4.234	0.018	96	352337	250.0	250.0	M
27 Methylene Chloride	84	4.240	4.246	-0.006	97	54109	10.0	10.0	
28 2-Methyl-2-propanol	59	4.386	4.380	0.006	99	95405	50.0	50.5	
30 Acrylonitrile	53	4.562	4.562	0.000	99	90829	25.0	24.8	
31 Methyl tert-butyl ether	73	4.641	4.654	-0.013	95	162871	10.0	10.0	
32 trans-1,2-Dichloroethene	96	4.672	4.672	0.000	97	47478	10.0	9.95	
33 Hexane	57	5.098	5.104	-0.006	92	76386	10.0	10.4	
35 1,1-Dichloroethane	63	5.323	5.323	0.000	96	87787	10.0	10.1	
36 Isopropyl ether	45	5.378	5.390	-0.012	94	158750	10.0	9.92	
37 2-Chloro-1,3-butadiene	53	5.438	5.438	0.000	90	68321	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.919	5.925	-0.006	97	148989	10.0	9.81	
40 2-Butanone (MEK)	43	6.126	6.126	0.000	99	104331	20.0	20.2	
S 39 1,2-Dichloroethene, Total	100				0			20.1	
41 cis-1,2-Dichloroethene	96	6.156	6.156	0.000	82	53079	10.0	10.1	
43 2,2-Dichloropropane	77	6.181	6.181	0.000	86	73356	10.0	9.79	
44 Propionitrile	54	6.199	6.193	0.006	99	87206	50.0	47.6	
45 Methacrylonitrile	67	6.418	6.418	0.000	92	86680	25.0	24.5	
46 Chlorobromomethane	128	6.491	6.503	-0.012	96	26734	10.0	9.84	
47 Tetrahydrofuran	71	6.515	6.521	-0.006	92	70675	50.0	47.9	
48 Chloroform	83	6.643	6.643	0.000	93	82652	10.0	9.82	
$ 49 Dibromofluoromethane (Surr)	113	6.856	6.862	-0.006	93	174704	50.0	50.2	
50 1,1,1-Trichloroethane	97	6.886	6.886	0.000	99	77090	10.0	9.93	
51 Cyclohexane	56	6.996	7.002	-0.006	91	101039	10.0	9.94	
52 1,1-Dichloropropene	75	7.093	7.099	-0.006	95	67621	10.0	9.91	
53 Carbon tetrachloride	117	7.105	7.105	0.000	88	62685	10.0	9.78	
54 Isobutyl alcohol	41	7.215	7.221	-0.006	96	77009	125.0	123.4	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.318	7.330	-0.012	70	44234	50.0	49.4	
56 Benzene	78	7.355	7.361	-0.006	96	207477	10.0	10.0	
58 1,2-Dichloroethane	62	7.428	7.428	0.000	97	68011	10.0	9.91	
59 Tert-amyl methyl ether	73	7.549	7.549	0.000	97	145609	10.0	9.72	
* 61 Fluorobenzene (IS)	96	7.762	7.762	0.000	98	725483	50.0	50.0	
62 n-Heptane	43	7.781	7.781	0.000	93	87714	10.0	10.5	
63 n-Butanol	56	8.115	8.115	0.000	90	61448	125.0	113.5	
64 Trichloroethene	95	8.255	8.249	0.006	99	50802	10.0	9.84	
65 Methylcyclohexane	83	8.571	8.571	0.000	93	102620	10.0	10.0	
66 1,2-Dichloropropane	63	8.578	8.578	0.000	72	55012	10.0	9.89	
67 2-ethoxy-2-methyl butane	87	8.578	8.584	-0.006	92	66666	10.0	9.66	
68 Methyl methacrylate	69	8.657	8.651	0.006	91	48540	10.0	9.79	
69 1,4-Dioxane	88	8.681	8.669	0.012	39	22262	125.0	123.2	M
70 Dibromomethane	93	8.693	8.693	0.000	96	34868	10.0	9.84	
72 Dichlorobromomethane	83	8.924	8.924	0.000	99	61973	10.0	9.78	
73 2-Nitropropane	41	9.168	9.168	0.000	98	105316	50.0	45.6	
74 2-Chloroethyl vinyl ether	63	9.277	9.277	0.000	90	34103	10.0	9.14	
75 cis-1,3-Dichloropropene	75	9.466	9.472	-0.006	96	78116	10.0	9.55	
76 4-Methyl-2-pentanone (MIBK)	43	9.624	9.624	0.000	97	197469	20.0	19.9	
$ 77 Toluene-d8 (Surr)	98	9.776	9.782	-0.006	93	719592	50.0	51.1	
78 Toluene	92	9.855	9.855	0.000	98	124815	10.0	10.1	
S 80 1,3-Dichloropropene, Total	100				0			19.3	
81 trans-1,3-Dichloropropene	75	10.105	10.105	0.001	92	69345	10.0	9.79	
82 Ethyl methacrylate	69	10.165	10.165	0.000	90	73481	10.0	9.59	
83 1,1,2-Trichloroethane	97	10.311	10.311	0.000	90	48141	10.0	10.1	
84 Tetrachloroethene	166	10.409	10.409	0.000	96	50556	10.0	10.0	
85 1,3-Dichloropropane	76	10.476	10.476	0.000	90	79821	10.0	10.0	
87 2-Hexanone	43	10.518	10.512	0.006	96	131831	20.0	20.1	
89 Chlorodibromomethane	129	10.695	10.695	0.000	90	51038	10.0	9.85	
90 Ethylene Dibromide	107	10.810	10.810	0.000	99	50634	10.0	9.92	
* 93 Chlorobenzene-d5 (IS)	117	11.236	11.236	0.000	86	529177	50.0	50.0	
92 1-Chlorohexane	91	11.242	11.242	0.000	96	65386	10.0	9.85	
S 91 Xylenes, Total	106				0			30.0	
94 Chlorobenzene	112	11.260	11.260	0.000	96	144710	10.0	10.0	
95 1,1,1,2-Tetrachloroethane	131	11.346	11.346	0.000	94	53433	10.0	10.1	
96 Ethylbenzene	91	11.346	11.346	0.000	98	246715	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
97 m-Xylene & p-Xylene	106	11.461	11.461	0.000	99	191721	20.0	20.1	
98 o-Xylene	106	11.790	11.790	0.000	96	97836	10.0	9.84	
99 Styrene	104	11.808	11.808	0.000	95	145992	10.0	9.81	
100 Bromoform	173	11.966	11.966	0.000	96	37898	10.0	9.67	
101 Isopropylbenzene	105	12.088	12.088	0.000	96	263570	10.0	10.1	
103 Cyclohexanone	55	12.161	12.161	0.000	92	186912	250.0	254.0	
$ 104 4-Bromofluorobenzene (Surr)	95	12.240	12.240	0.000	89	265744	50.0	50.1	
105 1,1,2,2-Tetrachloroethane	83	12.325	12.325	0.000	92	98654	10.0	10.0	
106 trans-1,4-Dichloro-2-butene	53	12.355	12.355	0.000	76	65925	25.0	25.0	
107 Bromobenzene	156	12.355	12.355	0.000	92	60283	10.0	9.99	
108 1,2,3-Trichloropropane	110	12.374	12.374	0.000	83	28142	10.0	9.98	
109 N-Propylbenzene	91	12.422	12.422	0.000	99	314991	10.0	10.2	
110 2-Chlorotoluene	126	12.501	12.495	0.006	97	65611	10.0	10.1	
111 1,3,5-Trimethylbenzene	105	12.556	12.556	0.000	94	227977	10.0	9.89	
112 4-Chlorotoluene	126	12.593	12.593	0.000	97	63982	10.0	10.1	
114 tert-Butylbenzene	134	12.800	12.800	0.000	93	43169	10.0	9.83	
116 1,2,4-Trimethylbenzene	105	12.842	12.842	0.000	97	236951	10.0	10.1	
117 sec-Butylbenzene	105	12.964	12.964	0.000	94	303935	10.0	10.2	
118 1,3-Dichlorobenzene	146	13.067	13.067	0.000	97	123730	10.0	10.0	
119 4-Isopropyltoluene	119	13.067	13.067	0.000	97	263375	10.0	10.2	
* 120 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	313177	50.0	50.0	
121 1,4-Dichlorobenzene	146	13.140	13.140	0.000	94	132593	10.0	10.2	
122 1,2,3-Trimethylbenzene	105	13.146	13.146	0.000	98	250906	10.0	9.95	
123 Benzyl chloride	91	13.213	13.207	0.006	98	160042	10.0	9.65	
124 1,3-Diethylbenzene	119	13.268	13.268	0.000	95	159331	10.0	10.2	
125 p-Diethylbenzene	119	13.341	13.341	0.000	95	168860	10.0	10.2	
126 n-Butylbenzene	92	13.365	13.365	0.000	97	140819	10.0	10.5	
127 1,2-Dichlorobenzene	146	13.396	13.396	0.000	97	135629	10.0	10.2	
128 o-diethylbenzene	119	13.414	13.414	0.000	96	139709	10.0	9.90	
130 1,2-Dibromo-3-Chloropropane	75	13.943	13.937	0.006	83	31879	10.0	10.6	
131 1,3,5-Trichlorobenzene	180	14.077	14.071	0.006	97	110106	10.0	10.2	
132 1,2,4-Trichlorobenzene	180	14.497	14.491	0.006	94	110270	10.0	10.2	
133 Hexachlorobutadiene	225	14.576	14.576	0.000	98	42531	10.0	10.0	
134 Naphthalene	128	14.673	14.673	0.000	97	403352	10.0	10.4	
135 1,2,3-Trichlorobenzene	180	14.819	14.819	0.000	96	117190	10.0	10.3	
136 2-Methylnaphthalene	142	15.458	15.458	0.000	92	221822	10.0	9.87	
S 166 Total Diethylbenzene	1				0			30.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00073	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added:	8.00	Units: uL	
MSV_CCV_GASES_00251	Amount Added:	1.00	Units: uL	
MSV_CCV_VOC#3_00073	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00069	Amount Added:	2.00	Units: uL	
MSV_CCV_EE_00003	Amount Added:	2.00	Units: uL	
	Amount Added:	2.00	Units: uL	
MSV_HP20_ISSS_00076	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 09-Jun-2022 09:57:16 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X16.D

Injection Date: 07-Jun-2022 16:44:30 Instrument ID: 9355 Operator ID: kas02648

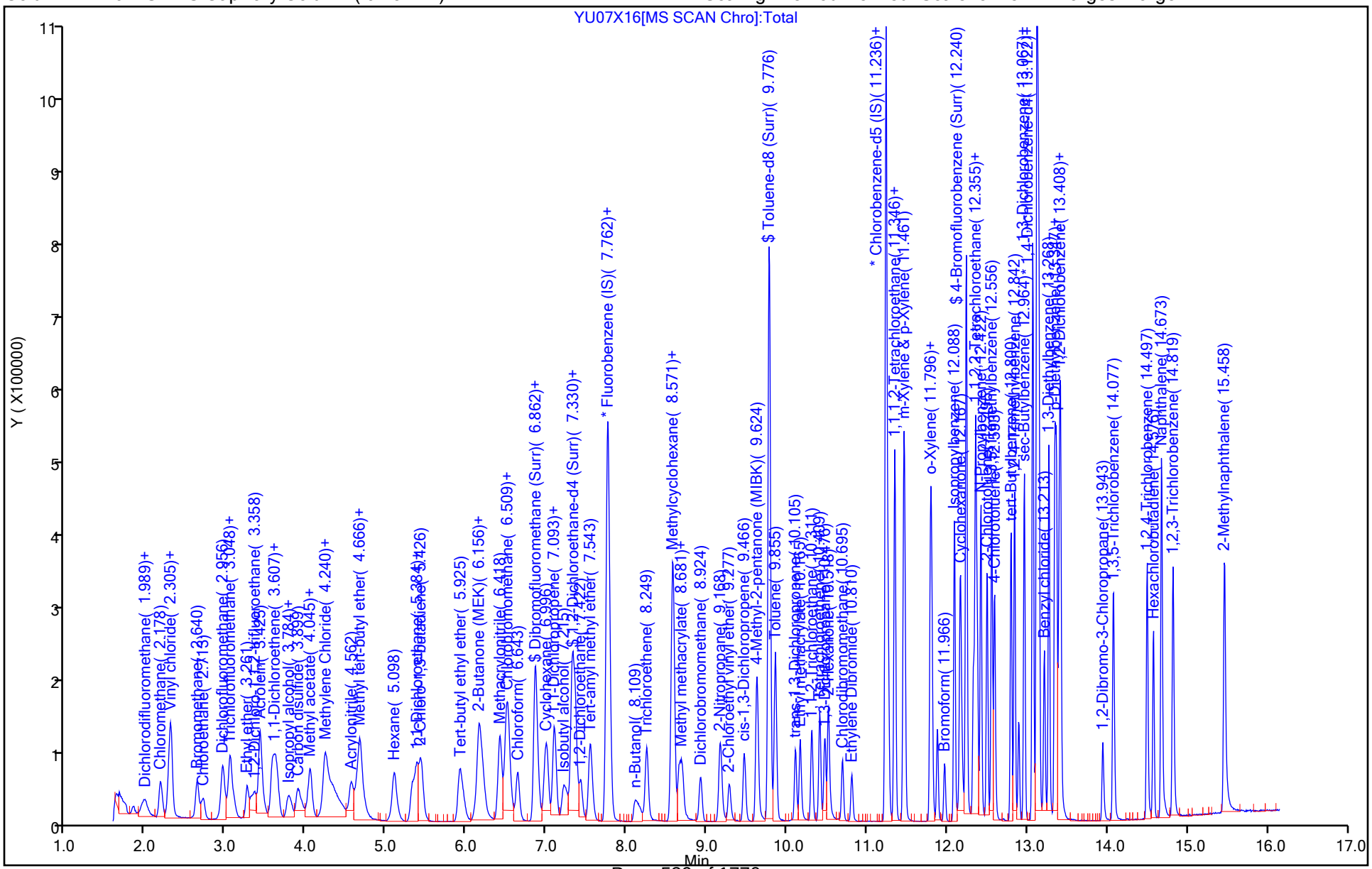
Lims ID: IC v10 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

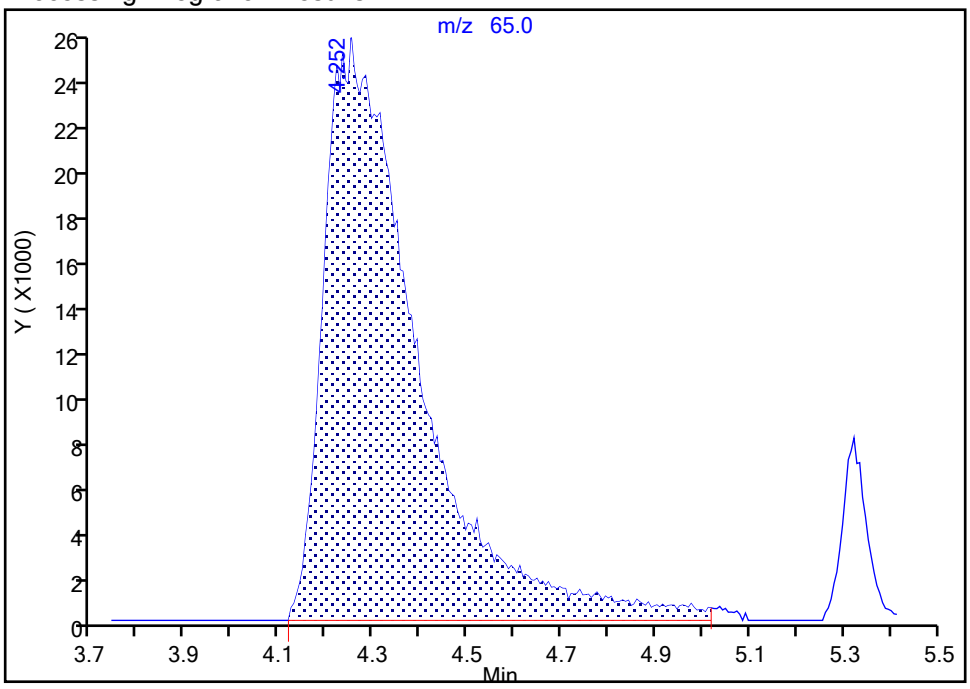
Data File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X16.D				
Injection Date:	07-Jun-2022 16:44:30	Instrument ID:	9355		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	16	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

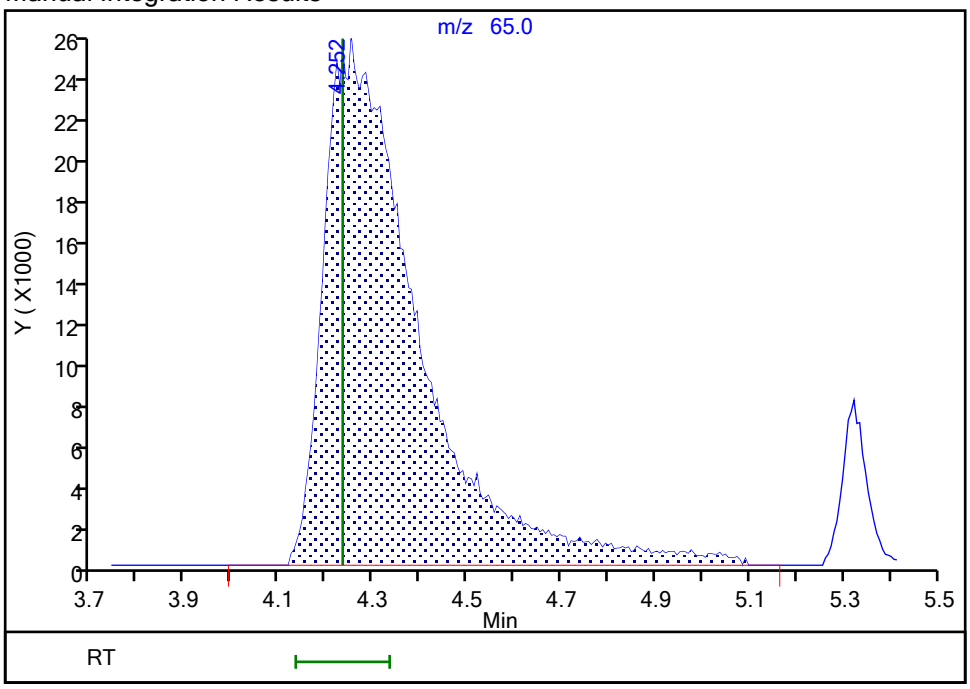
Processing Integration Results

RT: 4.25
Area: 350636
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.25
Area: 352337
Amount: 250.0000
Amount Units: ug/l



Reviewer: mellingerc, 08-Jun-2022 09:04:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

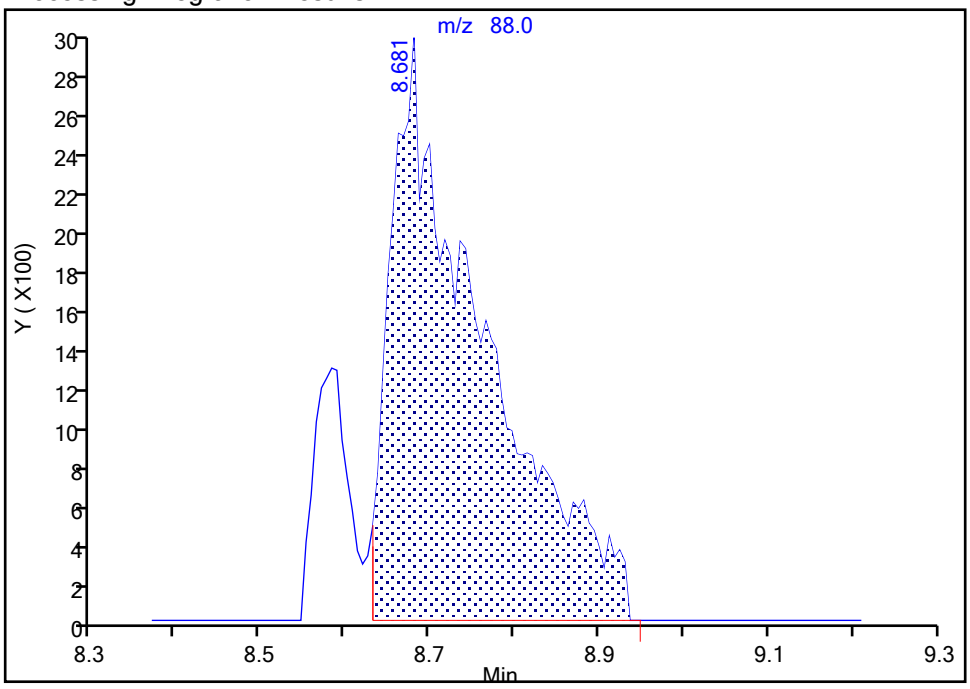
Data File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X16.D				
Injection Date:	07-Jun-2022 16:44:30	Instrument ID:	9355		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	16	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

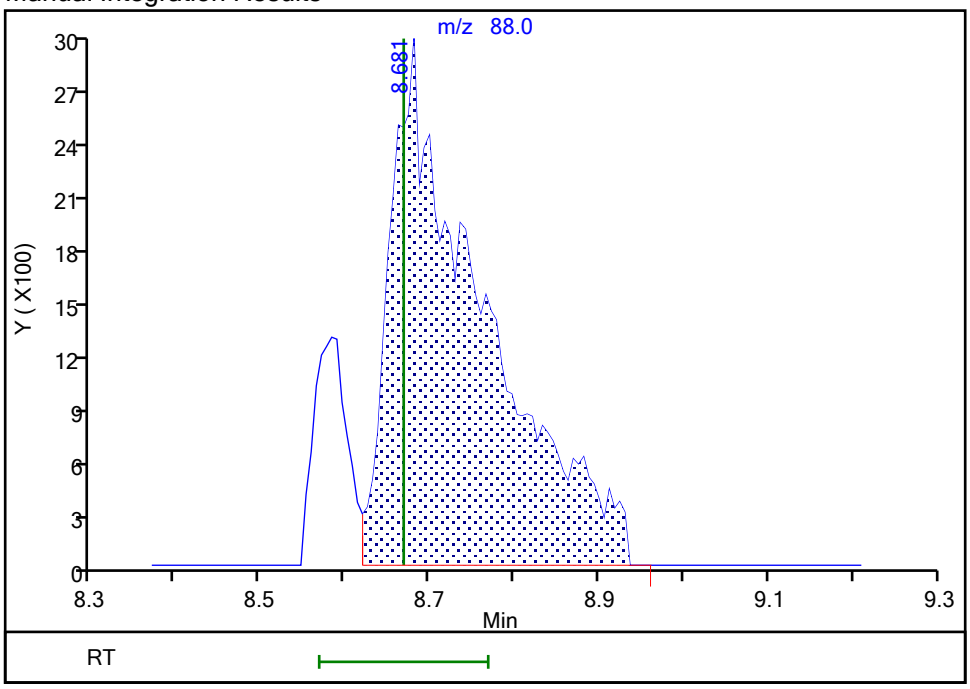
Processing Integration Results

RT: 8.68
Area: 22041
Amount: 122.1476
Amount Units: ug/l



Manual Integration Results

RT: 8.68
Area: 22262
Amount: 123.1712
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:42:39
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X15.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Jun-2022 16:22:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0058956-015
Misc. Info.: IC 20
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jun-2022 09:57:23 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: mellingerc Date: 08-Jun-2022 09:05:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.983	1.983	0.000	99	137898	20.0	18.6	
4 Chloromethane	50	2.184	2.184	0.000	99	185865	20.0	19.7	
6 Vinyl chloride	62	2.287	2.287	0.000	98	179641	20.0	19.4	
5 Butadiene	39	2.317	2.317	0.000	92	149691	20.0	18.8	
8 Bromomethane	94	2.640	2.640	0.000	90	118465	20.0	19.8	
9 Chloroethane	64	2.719	2.719	0.000	100	91502	20.0	20.0	
10 Dichlorofluoromethane	67	2.962	2.962	0.000	97	226895	20.0	19.5	
11 Trichlorofluoromethane	101	3.041	3.041	0.000	58	176752	20.0	18.8	
12 Pentane	43	3.054	3.054	0.000	97	187461	20.0	20.6	
14 Ethyl ether	59	3.266	3.266	0.000	93	92390	20.0	21.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.358	3.358	0.000	93	122726	20.0	19.0	
16 Acrolein	56	3.425	3.425	0.000	100	454988	200.0	199.8	
17 1,1-Dichloroethene	96	3.583	3.583	0.000	98	98762	20.0	21.6	
18 Acetone	58	3.589	3.589	0.000	100	47370	40.0	41.8	
19 112TCTFE	101	3.631	3.631	0.000	93	116685	20.0	21.6	
20 Isopropyl alcohol	45	3.765	3.765	0.000	46	124950	100.0	102.0	
21 Iodomethane	142	3.796	3.796	0.000	97	177240	20.0	21.3	
22 Carbon disulfide	76	3.899	3.899	0.000	99	350589	20.0	21.2	
24 Methyl acetate	43	4.027	4.027	0.000	98	140507	20.0	20.5	
25 3-Chloro-1-propene	41	4.057	4.057	0.000	92	151488	20.0	21.2	
* 26 t-Butyl alcohol-d10 (IS)	65	4.240	4.240	0.000	97	356149	250.0	250.0	M
27 Methylene Chloride	84	4.246	4.246	0.000	94	114276	20.0	21.1	
28 2-Methyl-2-propanol	59	4.404	4.404	0.000	99	201675	100.0	105.6	M
30 Acrylonitrile	53	4.562	4.562	0.000	100	199391	50.0	54.5	
31 Methyl tert-butyl ether	73	4.653	4.653	0.000	95	346369	20.0	21.2	
32 trans-1,2-Dichloroethene	96	4.672	4.672	0.000	99	100772	20.0	21.1	
33 Hexane	57	5.104	5.104	0.000	92	157844	20.0	21.5	
35 1,1-Dichloroethane	63	5.323	5.323	0.000	96	184153	20.0	21.0	
36 Isopropyl ether	45	5.390	5.390	0.000	94	345289	20.0	21.5	
37 2-Chloro-1,3-butadiene	53	5.438	5.438	0.000	90	145844	20.0	21.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.925	5.925	0.000	97	326489	20.0	21.5	
40 2-Butanone (MEK)	43	6.126	6.126	0.000	100	216646	40.0	41.9	
S 39 1,2-Dichloroethene, Total	100				0			42.7	
41 cis-1,2-Dichloroethene	96	6.156	6.156	0.000	82	113291	20.0	21.6	
43 2,2-Dichloropropane	77	6.180	6.180	0.000	88	158824	20.0	21.2	
44 Propionitrile	54	6.205	6.205	0.000	96	195419	100.0	105.5	
45 Methacrylonitrile	67	6.418	6.418	0.000	91	191732	50.0	54.2	
46 Chlorobromomethane	128	6.497	6.497	0.000	96	57924	20.0	21.3	
47 Tetrahydrofuran	71	6.515	6.515	0.000	92	151926	100.0	101.8	
48 Chloroform	83	6.643	6.643	0.000	93	178050	20.0	21.1	
$ 49 Dibromofluoromethane (Surr)	113	6.856	6.856	0.000	93	175200	50.0	50.2	
50 1,1,1-Trichloroethane	97	6.880	6.880	0.000	99	165129	20.0	21.2	
51 Cyclohexane	56	6.996	6.996	0.000	91	217846	20.0	21.4	
52 1,1-Dichloropropene	75	7.099	7.099	0.000	97	145477	20.0	21.3	
53 Carbon tetrachloride	117	7.105	7.105	0.000	96	136076	20.0	21.2	
54 Isobutyl alcohol	41	7.221	7.221	0.000	95	166841	250.0	264.6	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.324	7.324	0.000	81	44303	50.0	49.4	
56 Benzene	78	7.361	7.361	0.000	96	437913	20.0	21.1	
58 1,2-Dichloroethane	62	7.428	7.428	0.000	97	142699	20.0	20.8	
59 Tert-amyl methyl ether	73	7.549	7.549	0.000	98	319649	20.0	21.3	
* 61 Fluorobenzene (IS)	96	7.762	7.762	0.000	98	726675	50.0	50.0	
62 n-Heptane	43	7.780	7.780	0.000	87	178919	20.0	21.3	
63 n-Butanol	56	8.109	8.109	0.000	89	137876	250.0	251.9	
64 Trichloroethene	95	8.249	8.249	0.000	99	108852	20.0	21.1	
65 Methylcyclohexane	83	8.565	8.565	0.000	93	218444	20.0	21.2	
66 1,2-Dichloropropane	63	8.577	8.577	0.000	73	118932	20.0	21.3	
67 2-ethoxy-2-methyl butane	87	8.583	8.583	0.000	93	147048	20.0	21.3	
68 Methyl methacrylate	69	8.656	8.656	0.000	90	107107	20.0	21.6	
69 1,4-Dioxane	88	8.681	8.681	0.000	45	49026	250.0	268.3	M
70 Dibromomethane	93	8.693	8.693	0.000	95	75047	20.0	21.1	
72 Dichlorobromomethane	83	8.924	8.924	0.000	100	132543	20.0	20.9	
73 2-Nitropropane	41	9.168	9.168	0.000	98	236079	100.0	101.1	
74 2-Chloroethyl vinyl ether	63	9.277	9.277	0.000	90	80625	20.0	21.6	
75 cis-1,3-Dichloropropene	75	9.472	9.472	0.000	96	172018	20.0	21.0	
76 4-Methyl-2-pentanone (MIBK)	43	9.624	9.624	0.000	97	417958	40.0	42.0	
$ 77 Toluene-d8 (Surr)	98	9.782	9.782	0.000	93	722768	50.0	50.8	
78 Toluene	92	9.855	9.855	0.000	98	265725	20.0	21.2	
S 80 1,3-Dichloropropene, Total	100				0			42.4	
81 trans-1,3-Dichloropropene	75	10.104	10.104	0.000	92	153053	20.0	21.4	
82 Ethyl methacrylate	69	10.165	10.165	0.000	90	170862	20.0	22.1	
83 1,1,2-Trichloroethane	97	10.311	10.311	0.000	90	102428	20.0	21.2	
84 Tetrachloroethene	166	10.415	10.415	0.000	95	107812	20.0	21.1	
85 1,3-Dichloropropane	76	10.469	10.469	0.000	90	170811	20.0	21.2	
87 2-Hexanone	43	10.518	10.518	0.000	97	291646	40.0	44.0	
89 Chlorodibromomethane	129	10.694	10.694	0.000	90	108805	20.0	20.8	
90 Ethylene Dibromide	107	10.810	10.810	0.000	98	110896	20.0	21.5	
* 93 Chlorobenzene-d5 (IS)	117	11.236	11.236	0.000	85	534895	50.0	50.0	
92 1-Chlorohexane	91	11.242	11.242	0.000	98	141834	20.0	21.1	
S 91 Xylenes, Total	106				0			65.1	
94 Chlorobenzene	112	11.260	11.260	0.000	95	307929	20.0	21.1	
95 1,1,1,2-Tetrachloroethane	131	11.345	11.345	0.000	97	112840	20.0	21.1	
96 Ethylbenzene	91	11.345	11.345	0.000	98	532056	20.0	21.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
97 m-Xylene & p-Xylene	106	11.461	11.461	0.000	99	418175	40.0	43.4	
98 o-Xylene	106	11.790	11.790	0.000	96	217636	20.0	21.7	
99 Styrene	104	11.808	11.808	0.000	95	330114	20.0	22.0	
100 Bromoform	173	11.966	11.966	0.000	96	83420	20.0	21.1	
101 Isopropylbenzene	105	12.088	12.088	0.000	96	580260	20.0	22.0	
103 Cyclohexanone	55	12.161	12.161	0.000	92	412268	500.0	554.2	
$ 104 4-Bromofluorobenzene (Surr)	95	12.240	12.240	0.000	88	270077	50.0	50.4	
105 1,1,2,2-Tetrachloroethane	83	12.325	12.325	0.000	93	209718	20.0	21.2	
106 trans-1,4-Dichloro-2-butene	53	12.355	12.355	0.000	77	144038	50.0	54.1	
107 Bromobenzene	156	12.355	12.355	0.000	96	126974	20.0	20.9	
108 1,2,3-Trichloropropane	110	12.380	12.380	0.000	83	60608	20.0	21.3	
109 N-Propylbenzene	91	12.422	12.422	0.000	99	684159	20.0	21.9	
110 2-Chlorotoluene	126	12.495	12.495	0.000	97	140214	20.0	21.4	
111 1,3,5-Trimethylbenzene	105	12.556	12.556	0.000	94	509952	20.0	21.9	
112 4-Chlorotoluene	126	12.593	12.593	0.000	97	137756	20.0	21.7	
114 tert-Butylbenzene	134	12.799	12.799	0.000	92	96934	20.0	21.9	
116 1,2,4-Trimethylbenzene	105	12.842	12.842	0.000	97	523575	20.0	22.1	
117 sec-Butylbenzene	105	12.964	12.964	0.000	94	662148	20.0	22.0	
118 1,3-Dichlorobenzene	146	13.067	13.067	0.000	97	265498	20.0	21.3	
119 4-Isopropyltoluene	119	13.067	13.067	0.000	97	578329	20.0	22.3	
* 120 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	315818	50.0	50.0	
121 1,4-Dichlorobenzene	146	13.140	13.140	0.000	94	271183	20.0	20.6	
122 1,2,3-Trimethylbenzene	105	13.146	13.146	0.000	98	550404	20.0	21.6	
123 Benzyl chloride	91	13.213	13.213	0.000	98	365060	20.0	21.8	
124 1,3-Diethylbenzene	119	13.268	13.268	0.000	95	349768	20.0	22.2	
125 p-Diethylbenzene	119	13.341	13.341	0.000	95	367433	20.0	22.1	
126 n-Butylbenzene	92	13.365	13.365	0.000	97	302201	20.0	22.4	
127 1,2-Dichlorobenzene	146	13.396	13.396	0.000	98	285228	20.0	21.3	
128 o-diethylbenzene	119	13.414	13.414	0.000	96	297025	20.0	20.9	
130 1,2-Dibromo-3-Chloropropane	75	13.937	13.937	0.000	86	64482	20.0	21.3	
131 1,3,5-Trichlorobenzene	180	14.071	14.071	0.000	97	234106	20.0	21.5	
132 1,2,4-Trichlorobenzene	180	14.497	14.497	0.000	94	235240	20.0	21.7	
133 Hexachlorobutadiene	225	14.576	14.576	0.000	98	92088	20.0	21.5	
134 Naphthalene	128	14.673	14.673	0.000	97	882699	20.0	22.5	
135 1,2,3-Trichlorobenzene	180	14.819	14.819	0.000	96	242736	20.0	21.2	
136 2-Methylnaphthalene	142	15.458	15.458	0.000	92	514937	20.0	22.7	
S 166 Total Diethylbenzene	1				0			65.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00073	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added:	16.00	Units: uL	
MSV_CCV_GASES_00251	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00073	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00069	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00003	Amount Added:	4.00	Units: uL	
	Amount Added:	4.00	Units: uL	
MSV_HP20_ISSS_00076	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 09-Jun-2022 09:57:24 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X15.D

Injection Date: 07-Jun-2022 16:22:30 Instrument ID: 9355 Operator ID: kas02648

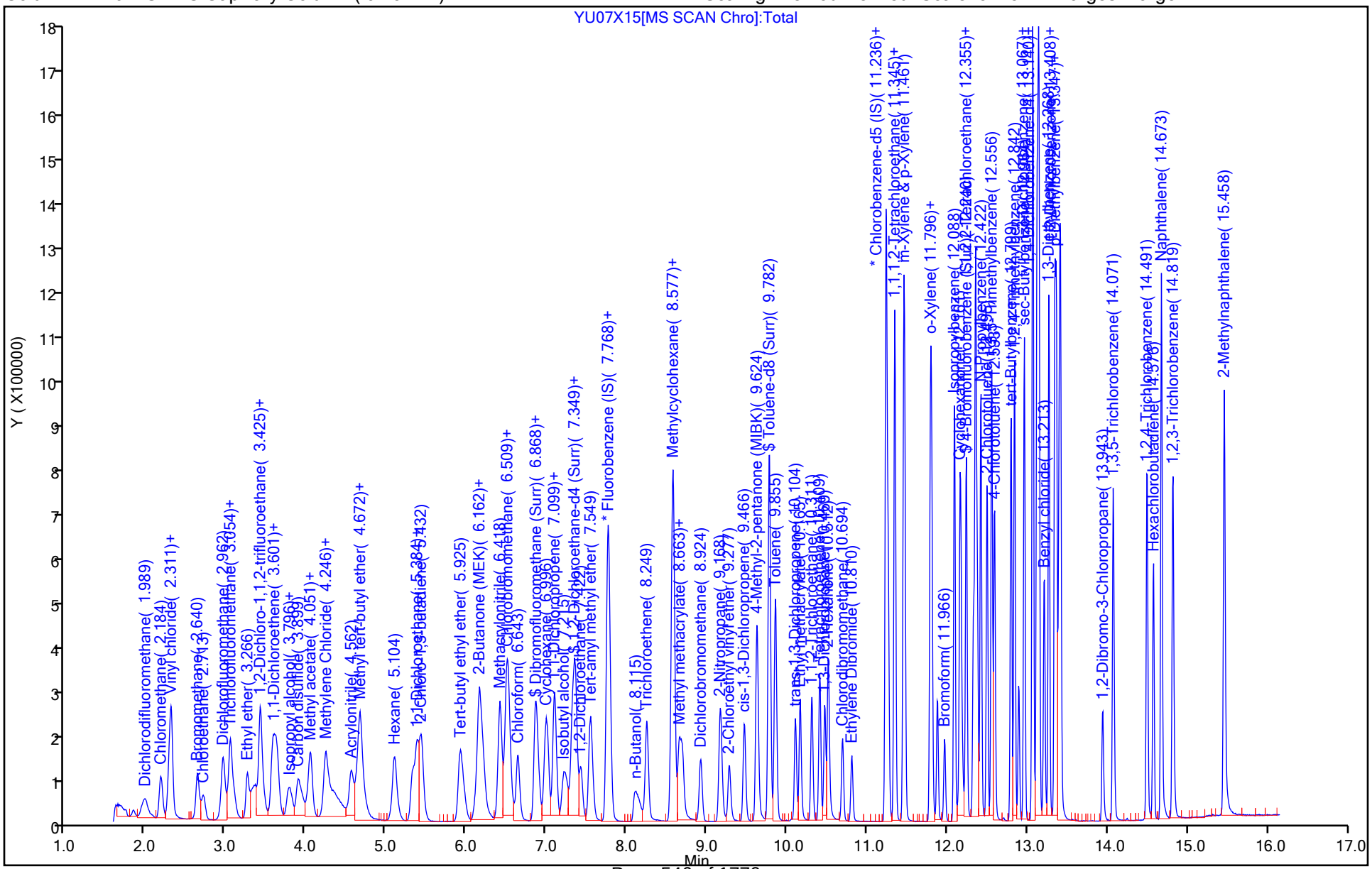
Lims ID: IC v20 Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

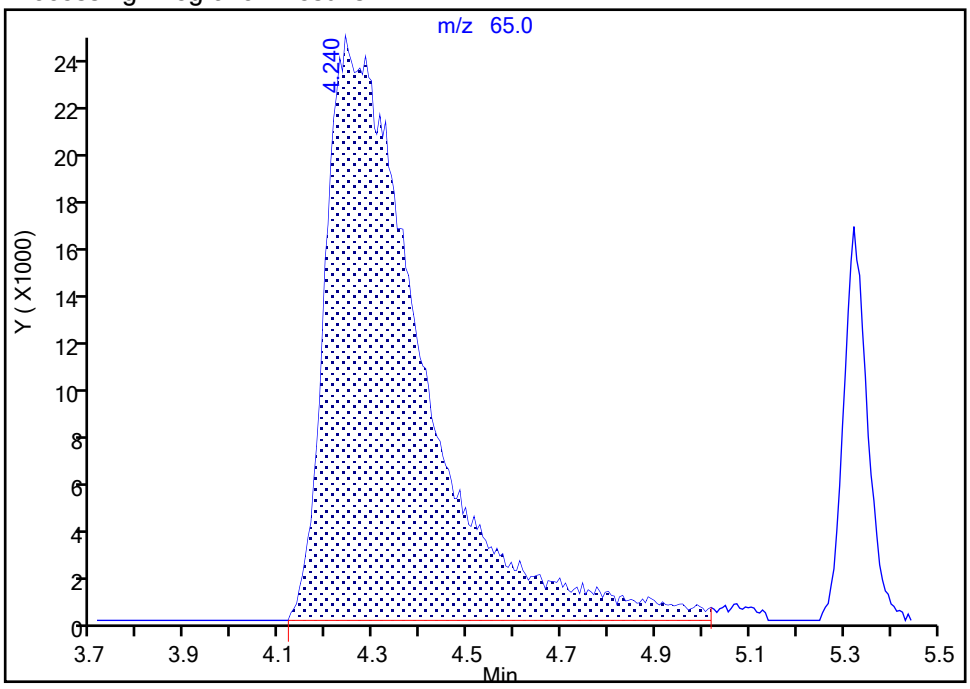
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X15.D
Injection Date: 07-Jun-2022 16:22:30 Instrument ID: 9355
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

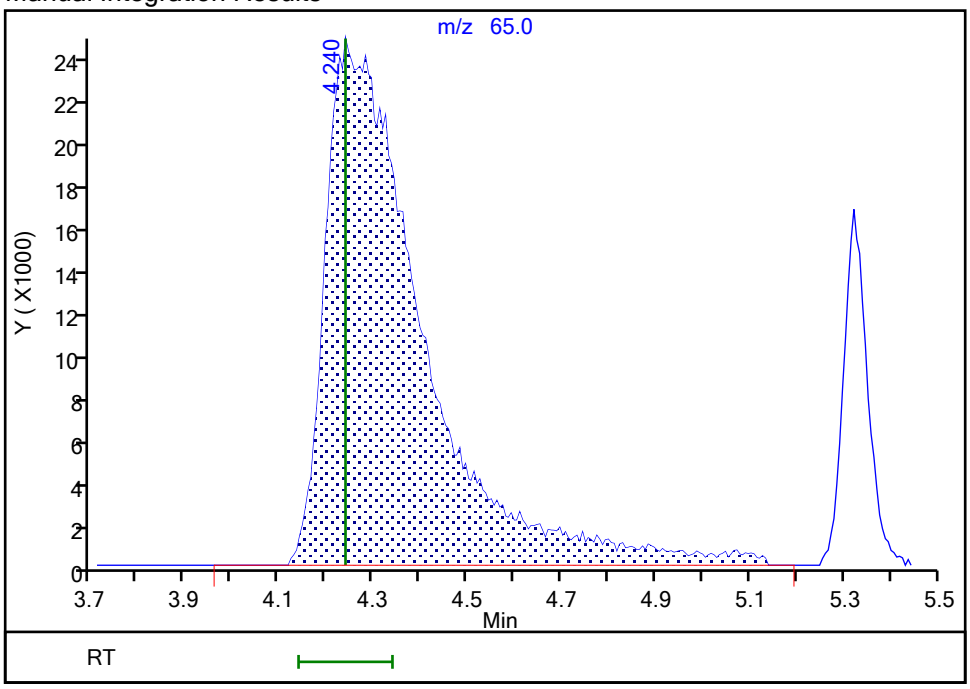
Processing Integration Results

RT: 4.24
Area: 352718
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.24
Area: 356149
Amount: 250.0000
Amount Units: ug/l



Reviewer: mellingerc, 08-Jun-2022 09:05:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

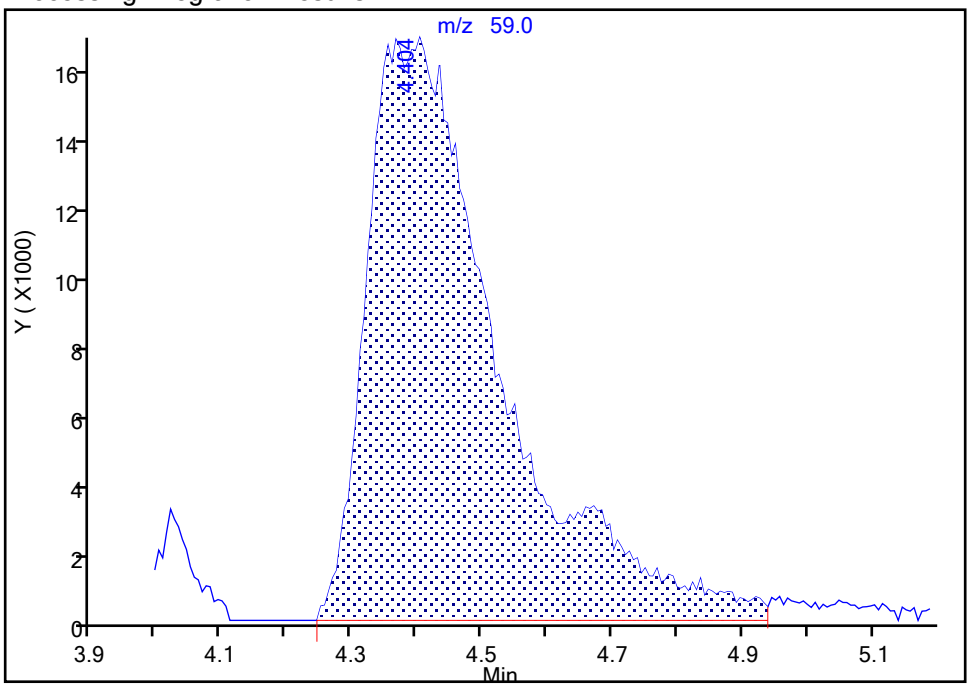
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X15.D
Injection Date: 07-Jun-2022 16:22:30 Instrument ID: 9355
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

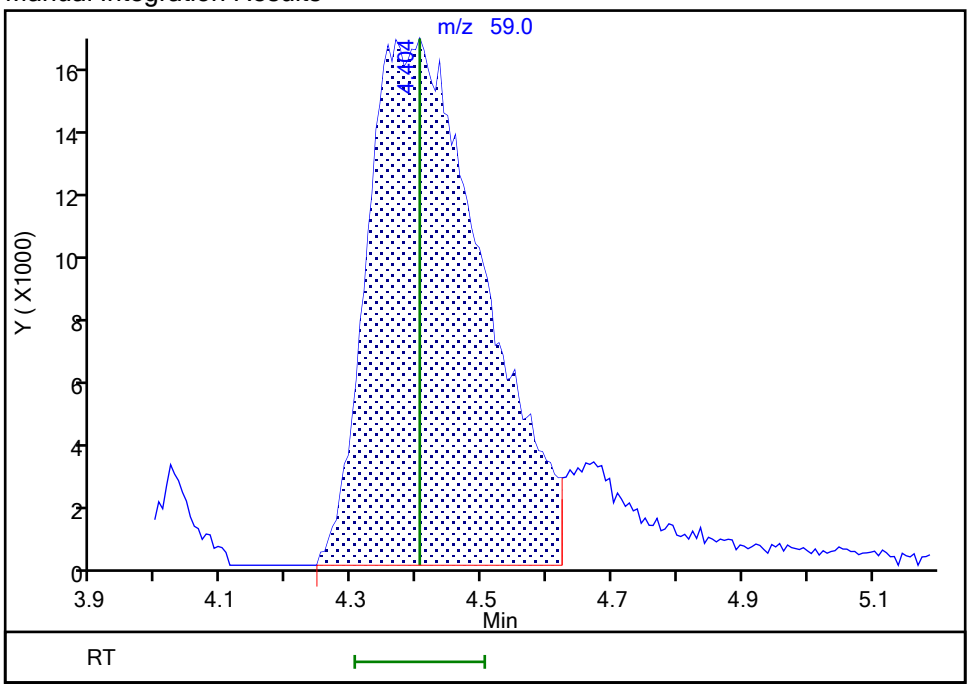
Processing Integration Results

RT: 4.40
Area: 230129
Amount: 113.2273
Amount Units: ug/l



Manual Integration Results

RT: 4.40
Area: 201675
Amount: 105.6408
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:30:50
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

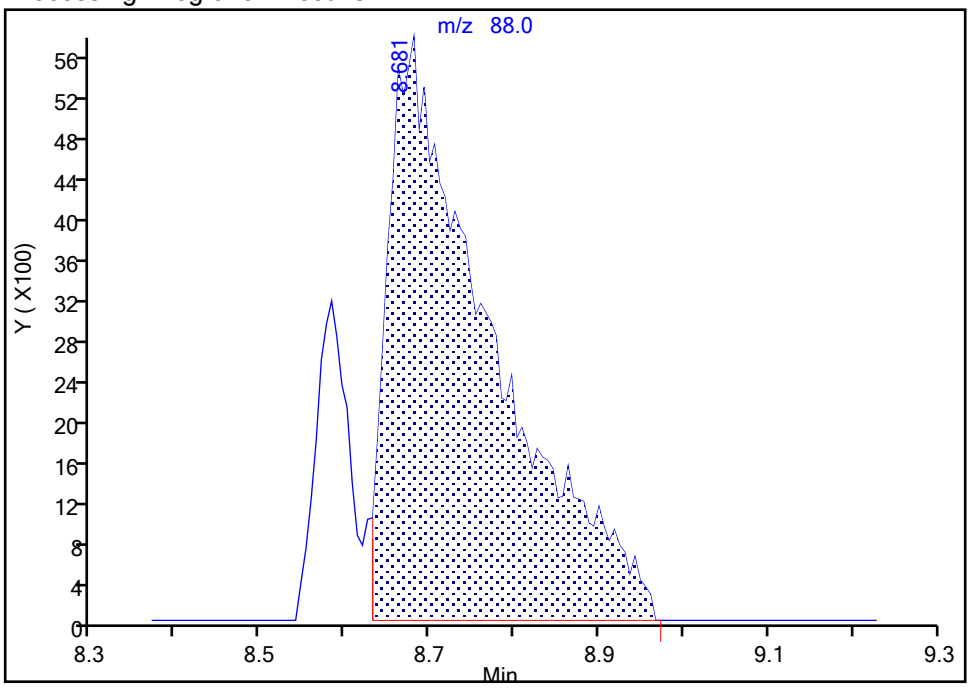
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X15.D
Injection Date: 07-Jun-2022 16:22:30 Instrument ID: 9355
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

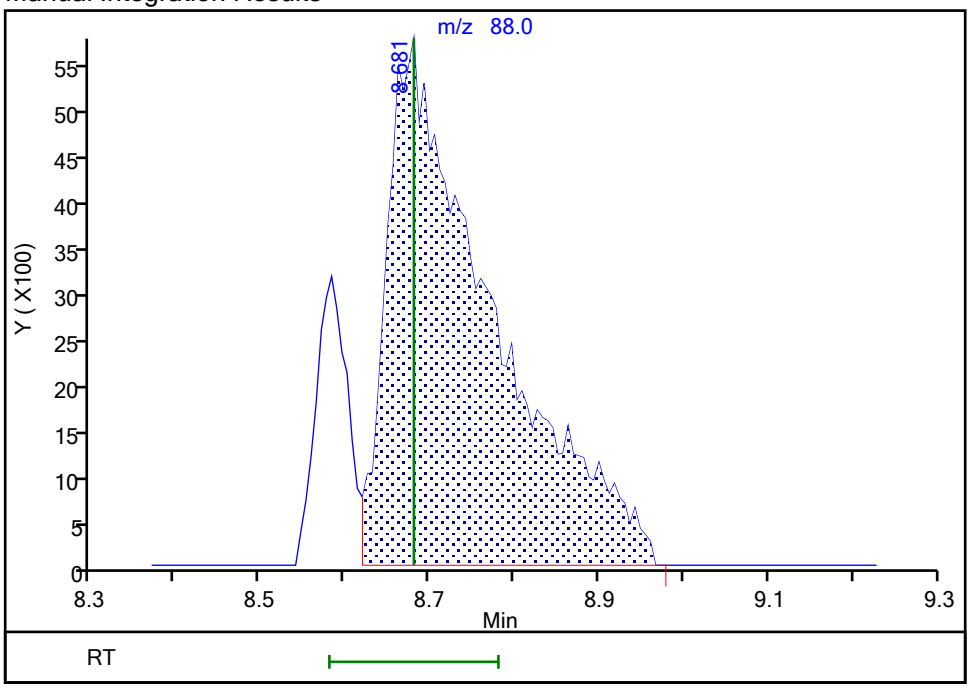
Processing Integration Results

RT: 8.68
Area: 48397
Amount: 265.9489
Amount Units: ug/l



Manual Integration Results

RT: 8.68
Area: 49026
Amount: 268.3478
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:42:04
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X14.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-Jun-2022 16:00:30 ALS Bottle#: 14 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0058956-016
Misc. Info.: IC 50
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jun-2022 09:57:28 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: mellingerc Date: 08-Jun-2022 09:07:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.983	1.983	0.000	99	405728	50.0	52.9	
4 Chloromethane	50	2.190	2.190	0.000	99	495598	50.0	50.7	
6 Vinyl chloride	62	2.293	2.293	0.000	98	488075	50.0	50.9	
5 Butadiene	39	2.318	2.318	0.000	92	419899	50.0	50.7	
8 Bromomethane	94	2.640	2.640	0.000	90	316467	50.0	51.0	
9 Chloroethane	64	2.719	2.719	0.000	100	241445	50.0	51.0	
10 Dichlorofluoromethane	67	2.962	2.962	0.000	97	607366	50.0	50.3	
11 Trichlorofluoromethane	101	3.041	3.041	0.000	98	511485	50.0	52.5	
12 Pentane	43	3.054	3.054	0.000	98	424691	50.0	44.9	
14 Ethyl ether	59	3.267	3.267	0.000	93	224579	50.0	50.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.358	3.358	0.000	94	341484	50.0	51.0	
16 Acrolein	56	3.425	3.425	0.000	99	1215511	500.0	527.0	
17 1,1-Dichloroethene	96	3.577	3.577	0.000	98	230489	50.0	48.7	
18 Acetone	58	3.589	3.589	0.000	100	126630	100.0	110.3	
19 112TCTFE	101	3.632	3.632	0.000	93	275007	50.0	49.1	
20 Isopropyl alcohol	45	3.759	3.759	0.000	97	294419	250.0	237.3	M
21 Iodomethane	142	3.784	3.784	0.000	99	419450	50.0	48.7	
22 Carbon disulfide	76	3.905	3.905	0.000	99	824870	50.0	48.1	
24 Methyl acetate	43	4.021	4.021	0.000	98	348010	50.0	49.0	
25 3-Chloro-1-propene	41	4.057	4.057	0.000	92	359576	50.0	48.6	
* 26 t-Butyl alcohol-d10 (IS)	65	4.234	4.234	0.000	95	360733	250.0	250.0	M
27 Methylene Chloride	84	4.246	4.246	0.000	93	277599	50.0	49.4	
28 2-Methyl-2-propanol	59	4.380	4.380	0.000	99	481117	250.0	248.8	
30 Acrylonitrile	53	4.562	4.562	0.000	100	492474	125.0	129.7	
31 Methyl tert-butyl ether	73	4.654	4.654	0.000	95	854893	50.0	50.6	
32 trans-1,2-Dichloroethene	96	4.672	4.672	0.000	98	242133	50.0	48.9	
33 Hexane	57	5.104	5.104	0.000	94	378579	50.0	49.7	
35 1,1-Dichloroethane	63	5.323	5.323	0.000	96	451702	50.0	49.8	
36 Isopropyl ether	45	5.390	5.390	0.000	94	852410	50.0	51.3	
37 2-Chloro-1,3-butadiene	53	5.438	5.438	0.000	90	357818	50.0	51.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.925	5.925	0.000	98	816145	50.0	51.8	
40 2-Butanone (MEK)	43	6.126	6.126	0.000	100	571664	100.0	106.8	
41 cis-1,2-Dichloroethene	96	6.156	6.156	0.000	83	273028	50.0	50.1	
43 2,2-Dichloropropane	77	6.181	6.181	0.000	88	388742	50.0	50.0	
44 Propionitrile	54	6.193	6.193	0.000	99	481783	250.0	256.8	
45 Methacrylonitrile	67	6.418	6.418	0.000	92	476467	125.0	130.0	
46 Chlorobromomethane	128	6.503	6.503	0.000	96	144039	50.0	51.0	
47 Tetrahydrofuran	71	6.521	6.521	0.000	92	388035	250.0	256.6	
48 Chloroform	83	6.643	6.643	0.000	93	428700	50.0	49.1	
$ 49 Dibromofluoromethane (Surr)	113	6.862	6.862	0.000	93	180071	50.0	49.8	
50 1,1,1-Trichloroethane	97	6.886	6.886	0.000	99	397378	50.0	49.3	
51 Cyclohexane	56	7.002	7.002	0.000	91	523094	50.0	49.6	
52 1,1-Dichloropropene	75	7.099	7.099	0.000	99	352162	50.0	49.7	
53 Carbon tetrachloride	117	7.105	7.105	0.000	97	327639	50.0	49.2	
54 Isobutyl alcohol	41	7.221	7.221	0.000	96	403895	625.0	632.4	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.330	7.330	0.000	90	46216	50.0	49.7	
56 Benzene	78	7.361	7.361	0.000	96	1063194	50.0	49.5	
58 1,2-Dichloroethane	62	7.428	7.428	0.000	97	354141	50.0	49.7	
59 Tert-amyl methyl ether	73	7.549	7.549	0.000	98	810124	50.0	52.1	
* 61 Fluorobenzene (IS)	96	7.762	7.762	0.000	99	753243	50.0	50.0	
62 n-Heptane	43	7.781	7.781	0.000	94	431598	50.0	49.5	
63 n-Butanol	56	8.115	8.115	0.000	89	354226	625.0	638.9	
64 Trichloroethene	95	8.249	8.249	0.000	99	263022	50.0	49.1	
65 Methylcyclohexane	83	8.571	8.571	0.000	93	537087	50.0	50.4	
66 1,2-Dichloropropane	63	8.578	8.578	0.000	73	293583	50.0	50.8	
67 2-ethoxy-2-methyl butane	87	8.584	8.584	0.000	92	377303	50.0	52.6	
68 Methyl methacrylate	69	8.651	8.651	0.000	92	276842	50.0	53.8	
69 1,4-Dioxane	88	8.669	8.669	0.000	55	117067	625.0	632.6	
70 Dibromomethane	93	8.693	8.693	0.000	97	187254	50.0	50.9	
72 Dichlorobromomethane	83	8.924	8.924	0.000	99	330137	50.0	50.2	
73 2-Nitropropane	41	9.168	9.168	0.000	97	612295	250.0	259.0	
74 2-Chloroethyl vinyl ether	63	9.277	9.277	0.000	91	217420	50.0	56.1	
75 cis-1,3-Dichloropropene	75	9.472	9.472	0.000	96	439597	50.0	51.7	
76 4-Methyl-2-pentanone (MIBK)	43	9.624	9.624	0.000	97	1160699	100.0	112.5	
$ 77 Toluene-d8 (Surr)	98	9.782	9.782	0.000	93	755518	50.0	50.1	
78 Toluene	92	9.855	9.855	0.000	98	656371	50.0	49.5	
81 trans-1,3-Dichloropropene	75	10.105	10.105	0.000	92	398393	50.0	52.6	
82 Ethyl methacrylate	69	10.165	10.165	0.000	90	449082	50.0	54.8	
83 1,1,2-Trichloroethane	97	10.311	10.311	0.000	90	256906	50.0	50.2	
84 Tetrachloroethene	166	10.409	10.409	0.000	96	263419	50.0	48.8	
85 1,3-Dichloropropane	76	10.476	10.476	0.000	90	431920	50.0	50.7	
87 2-Hexanone	43	10.512	10.512	0.000	96	822294	100.0	117.3	
89 Chlorodibromomethane	129	10.695	10.695	0.000	90	283871	50.0	51.2	
90 Ethylene Dibromide	107	10.810	10.810	0.000	99	279151	50.0	51.1	
* 93 Chlorobenzene-d5 (IS)	117	11.236	11.236	0.000	85	566011	50.0	50.0	
92 1-Chlorohexane	91	11.242	11.242	0.000	98	355312	50.0	50.0	
94 Chlorobenzene	112	11.260	11.260	0.000	95	758057	50.0	49.1	
95 1,1,1,2-Tetrachloroethane	131	11.346	11.346	0.000	95	287658	50.0	50.9	
96 Ethylbenzene	91	11.346	11.346	0.000	98	1319504	50.0	50.5	
97 m-Xylene & p-Xylene	106	11.461	11.461	0.000	99	1043288	100.0	102.4	
98 o-Xylene	106	11.790	11.790	0.000	96	551300	50.0	51.8	
99 Styrene	104	11.808	11.808	0.000	95	845832	50.0	53.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 Bromoform	173	11.966	11.966	0.000	96	219850	50.0	52.4	
101 Isopropylbenzene	105	12.088	12.088	0.000	96	1438999	50.0	51.7	
103 Cyclohexanone	55	12.161	12.161	0.000	92	528827	625.0	701.9	
$ 104 4-Bromofluorobenzene (Surr)	95	12.240	12.240	0.000	88	284714	50.0	50.2	
105 1,1,2,2-Tetrachloroethane	83	12.325	12.325	0.000	93	528014	50.0	51.2	
106 trans-1,4-Dichloro-2-butene	53	12.355	12.355	0.000	79	377542	125.0	136.3	
107 Bromobenzene	156	12.355	12.355	0.000	90	318363	50.0	50.3	
108 1,2,3-Trichloropropane	110	12.374	12.374	0.000	82	150677	50.0	50.9	
109 N-Propylbenzene	91	12.422	12.422	0.000	99	1688486	50.0	52.0	
110 2-Chlorotoluene	126	12.495	12.495	0.000	97	346260	50.0	50.8	
111 1,3,5-Trimethylbenzene	105	12.556	12.556	0.000	94	1272652	50.0	52.6	
112 4-Chlorotoluene	126	12.593	12.593	0.000	97	336168	50.0	50.8	
114 tert-Butylbenzene	134	12.800	12.800	0.000	93	248636	50.0	53.9	
116 1,2,4-Trimethylbenzene	105	12.842	12.842	0.000	97	1312746	50.0	53.1	
117 sec-Butylbenzene	105	12.964	12.964	0.000	94	1647246	50.0	52.5	
118 1,3-Dichlorobenzene	146	13.067	13.067	0.000	97	655849	50.0	50.5	
119 4-Isopropyltoluene	119	13.067	13.067	0.000	97	1451685	50.0	53.8	
* 120 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	328609	50.0	50.0	
121 1,4-Dichlorobenzene	146	13.140	13.140	0.000	94	663623	50.0	48.4	
122 1,2,3-Trimethylbenzene	105	13.146	13.146	0.000	98	1389957	50.0	52.5	
123 Benzyl chloride	91	13.207	13.207	0.000	98	990384	50.0	56.9	
124 1,3-Diethylbenzene	119	13.268	13.268	0.000	95	874813	50.0	53.3	
125 p-Diethylbenzene	119	13.341	13.341	0.000	94	915384	50.0	52.9	
126 n-Butylbenzene	92	13.365	13.365	0.000	96	748858	50.0	53.3	
127 1,2-Dichlorobenzene	146	13.396	13.396	0.000	98	701647	50.0	50.4	
128 o-diethylbenzene	119	13.414	13.414	0.000	95	740799	50.0	50.0	
130 1,2-Dibromo-3-Chloropropane	75	13.937	13.937	0.000	86	165679	50.0	52.5	
131 1,3,5-Trichlorobenzene	180	14.071	14.071	0.000	97	573446	50.0	50.5	
132 1,2,4-Trichlorobenzene	180	14.491	14.491	0.000	94	572726	50.0	50.7	
133 Hexachlorobutadiene	225	14.576	14.576	0.000	98	219506	50.0	49.2	
134 Naphthalene	128	14.673	14.673	0.000	97	2200576	50.0	53.9	
135 1,2,3-Trichlorobenzene	180	14.819	14.819	0.000	95	587848	50.0	49.3	
136 2-Methylnaphthalene	142	15.458	15.458	0.000	92	1313813	50.0	55.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00073	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_00251	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00073	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00069	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00003	Amount Added:	5.00	Units: uL	
MSV_HP20_ISSS_00076	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 09-Jun-2022 09:57:29 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X14.D

Injection Date: 07-Jun-2022 16:00:30 Instrument ID: 9355 Operator ID: kas02648

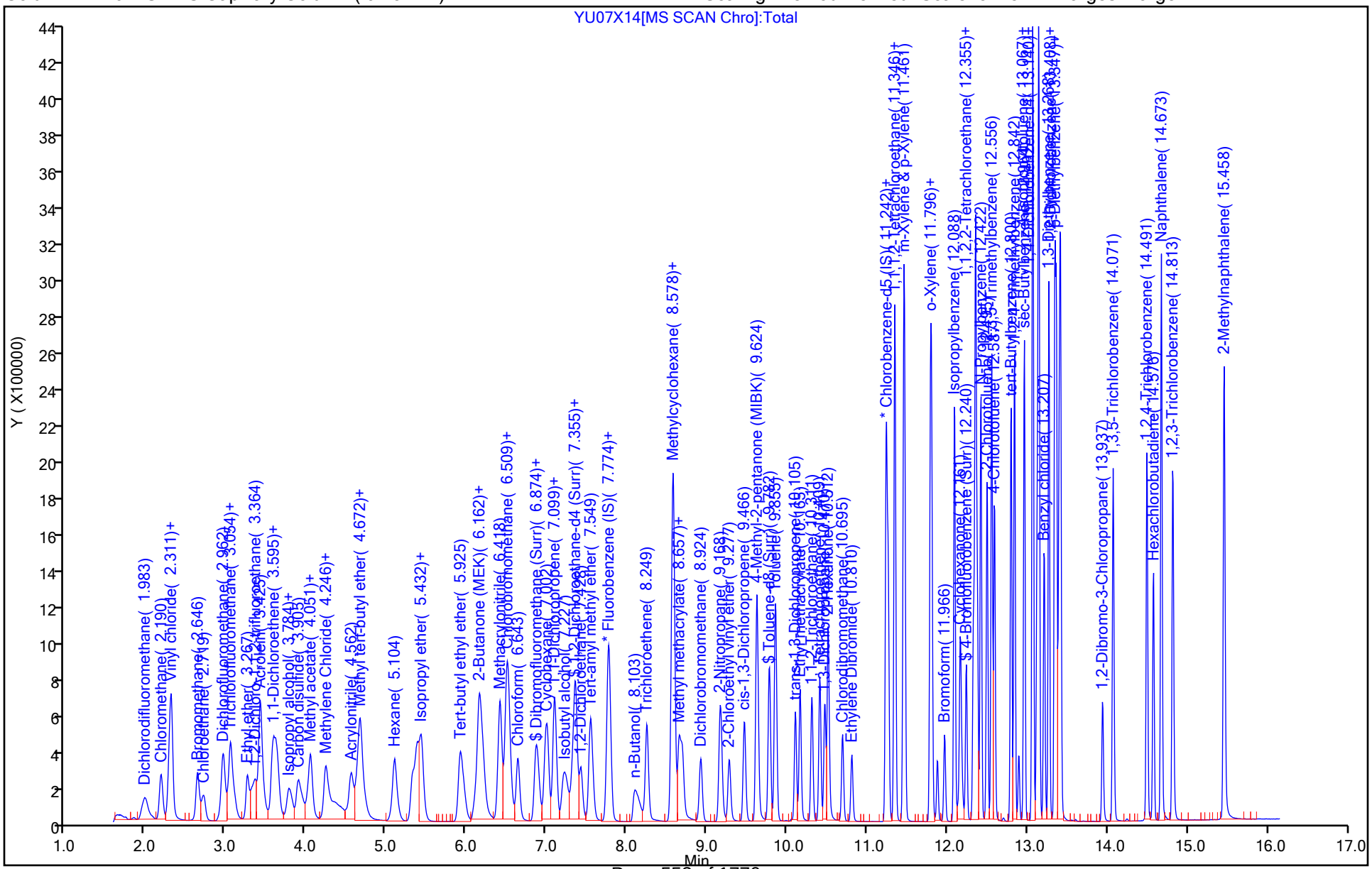
Lims ID: ICIS v50 Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

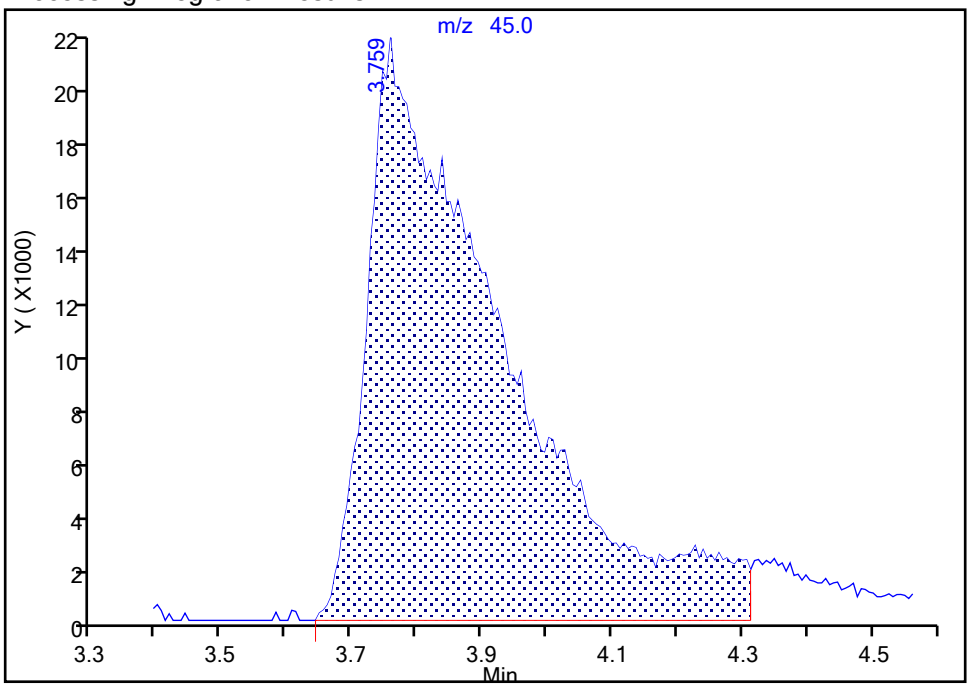
Data File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X14.D				
Injection Date:	07-Jun-2022 16:00:30	Instrument ID:	9355		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

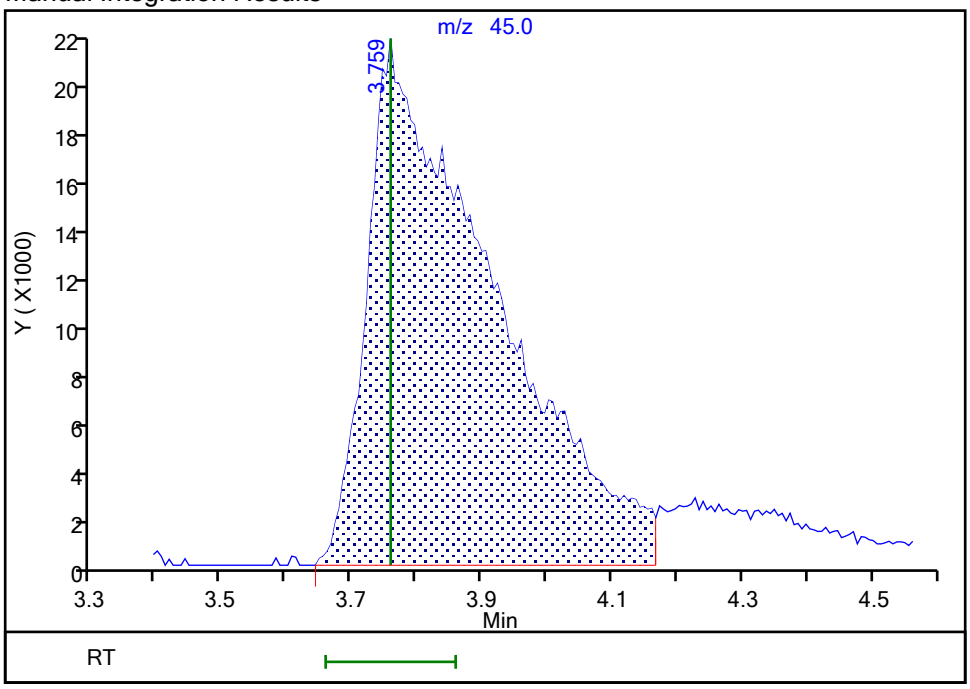
Processing Integration Results

RT: 3.76
Area: 315123
Amount: 252.3164
Amount Units: ug/l



Manual Integration Results

RT: 3.76
Area: 294419
Amount: 237.3466
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:33:57

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

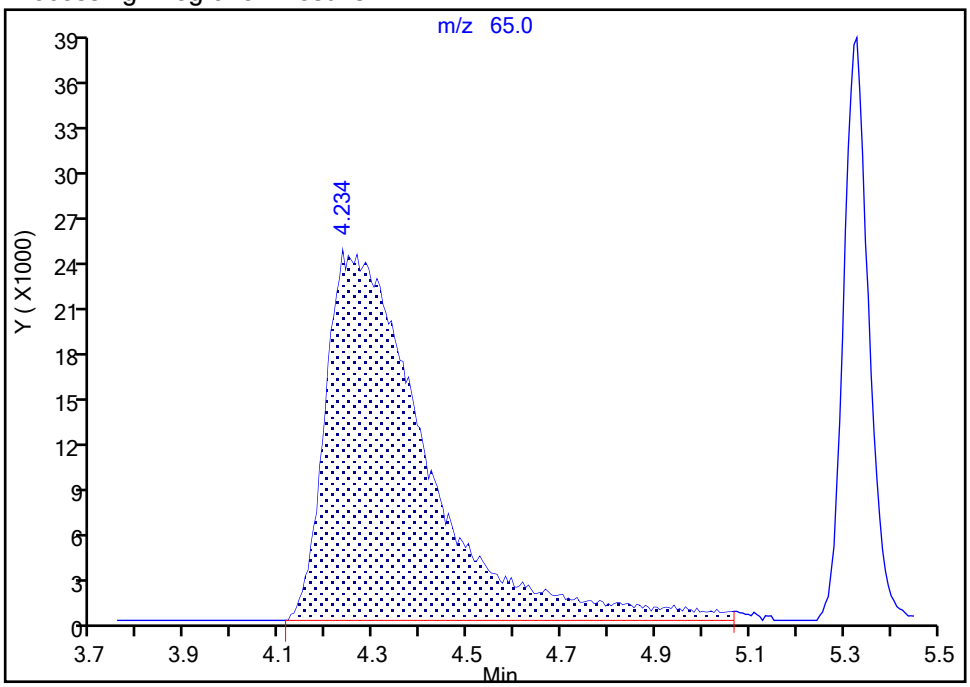
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X14.D
Injection Date: 07-Jun-2022 16:00:30 Instrument ID: 9355
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

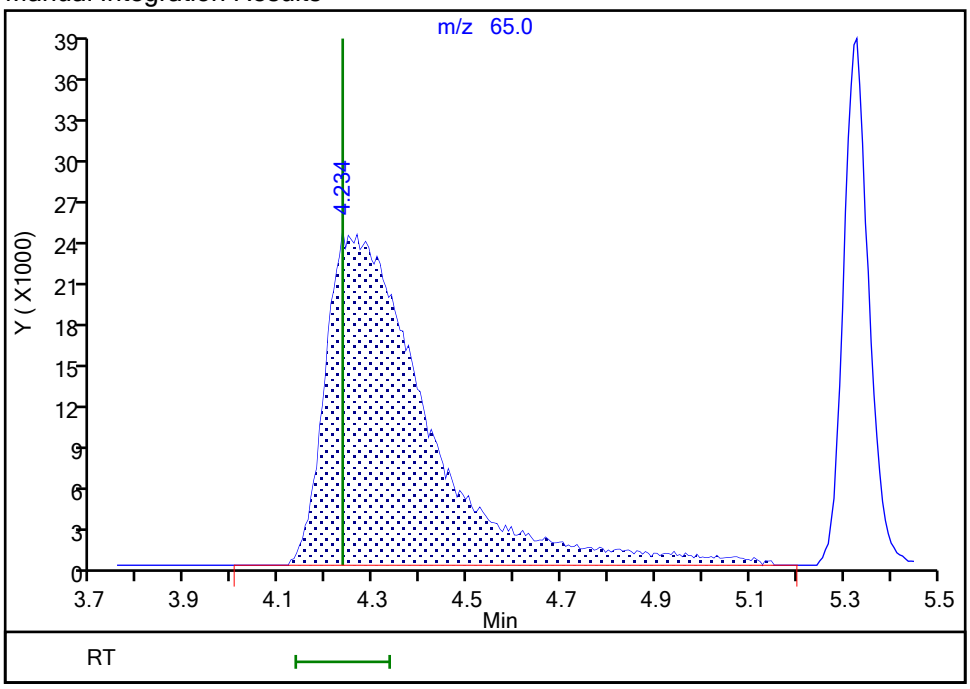
Processing Integration Results

RT: 4.23
Area: 359012
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.23
Area: 360733
Amount: 250.0000
Amount Units: ug/l



Reviewer: mellingerc, 08-Jun-2022 09:06:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X13.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Jun-2022 15:37:30 ALS Bottle#: 13 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0058956-017
Misc. Info.: IC 100
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jun-2022 09:57:35 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: mellingerc Date: 08-Jun-2022 09:08:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.995	1.983	0.012	99	854569	100.0	110.5	
4 Chloromethane	50	2.196	2.190	0.006	99	1006324	100.0	102.1	
6 Vinyl chloride	62	2.305	2.293	0.012	98	1008542	100.0	104.2	
5 Butadiene	39	2.324	2.318	0.006	93	880331	100.0	105.5	
8 Bromomethane	94	2.652	2.640	0.012	90	641819	100.0	102.5	
9 Chloroethane	64	2.725	2.719	0.006	100	502473	100.0	105.1	
10 Dichlorofluoromethane	67	2.975	2.962	0.013	97	1246660	100.0	102.4	
11 Trichlorofluoromethane	101	3.048	3.041	0.007	97	1071220	100.0	108.9	
12 Pentane	43	3.060	3.054	0.006	97	913199	100.0	95.8	
14 Ethyl ether	59	3.273	3.267	0.006	92	439725	100.0	98.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.364	3.358	0.006	93	713298	100.0	105.7	
16 Acrolein	56	3.431	3.425	0.006	100	2445224	1000.0	1052.1	
17 1,1-Dichloroethene	96	3.589	3.577	0.012	98	487852	100.0	102.1	
18 Acetone	58	3.595	3.589	0.006	100	254347	200.0	219.8	
19 112TCTFE	101	3.638	3.632	0.006	93	582686	100.0	103.0	
20 Isopropyl alcohol	45	3.759	3.759	0.000	97	707784	500.0	566.3	
21 Iodomethane	142	3.802	3.784	0.018	97	880036	100.0	101.3	
22 Carbon disulfide	76	3.911	3.905	0.006	99	1709043	100.0	98.7	
24 Methyl acetate	43	4.027	4.021	0.006	98	730654	100.0	102.0	
25 3-Chloro-1-propene	41	4.064	4.057	0.007	92	742016	100.0	99.4	
* 26 t-Butyl alcohol-d10 (IS)	65	4.276	4.234	0.042	94	363462	250.0	250.0	M
27 Methylene Chloride	84	4.258	4.246	0.012	93	567935	100.0	100.2	
28 2-Methyl-2-propanol	59	4.374	4.380	-0.006	99	1059177	500.0	543.7	M
30 Acrylonitrile	53	4.568	4.562	0.006	99	985870	250.0	257.5	
31 Methyl tert-butyl ether	73	4.660	4.654	0.006	95	1706081	100.0	100.0	
32 trans-1,2-Dichloroethene	96	4.678	4.672	0.006	99	494530	100.0	99.0	
33 Hexane	57	5.104	5.104	0.000	92	802130	100.0	104.3	
35 1,1-Dichloroethane	63	5.329	5.323	0.006	96	909345	100.0	99.4	
36 Isopropyl ether	45	5.396	5.390	0.006	94	1716189	100.0	102.4	
37 2-Chloro-1,3-butadiene	53	5.445	5.438	0.006	90	736750	100.0	104.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.931	5.925	0.006	97	1652644	100.0	103.9	
40 2-Butanone (MEK)	43	6.126	6.126	0.000	100	1177046	200.0	217.9	
S 39 1,2-Dichloroethene, Total	100				0			200.3	
41 cis-1,2-Dichloroethene	96	6.162	6.156	0.006	82	556768	100.0	101.3	
43 2,2-Dichloropropane	77	6.199	6.181	0.018	83	810094	100.0	103.2	
44 Propionitrile	54	6.199	6.193	0.006	97	1007361	500.0	532.9	
45 Methacrylonitrile	67	6.418	6.418	0.000	92	975465	250.0	263.7	
46 Chlorobromomethane	128	6.503	6.503	0.000	96	289973	100.0	101.9	
47 Tetrahydrofuran	71	6.521	6.521	0.000	92	798105	500.0	523.9	
48 Chloroform	83	6.643	6.643	0.000	93	866708	100.0	98.3	
$ 49 Dibromofluoromethane (Surr)	113	6.862	6.862	0.000	93	178412	50.0	48.9	
50 1,1,1-Trichloroethane	97	6.886	6.886	0.000	99	824777	100.0	101.5	
51 Cyclohexane	56	7.008	7.002	0.006	90	1107335	100.0	104.0	
52 1,1-Dichloropropene	75	7.099	7.099	0.000	98	734417	100.0	102.7	
53 Carbon tetrachloride	117	7.111	7.105	0.006	97	686876	100.0	102.3	
54 Isobutyl alcohol	41	7.221	7.221	0.000	96	936125	1250.0	1454.7	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.330	7.330	0.000	81	45908	50.0	49.0	
56 Benzene	78	7.361	7.361	0.000	96	2181091	100.0	100.6	
58 1,2-Dichloroethane	62	7.428	7.428	0.000	97	722076	100.0	100.5	
59 Tert-amyl methyl ether	73	7.549	7.549	0.000	98	1662611	100.0	105.9	
* 61 Fluorobenzene (IS)	96	7.768	7.762	0.006	96	759884	50.0	50.0	
62 n-Heptane	43	7.787	7.781	0.006	93	938993	100.0	106.8	
63 n-Butanol	56	8.103	8.115	-0.012	88	846739	1250.0	1515.7	
64 Trichloroethene	95	8.255	8.249	0.006	99	548211	100.0	101.4	
65 Methylcyclohexane	83	8.571	8.571	0.000	96	1166458	100.0	108.5	
66 1,2-Dichloropropane	63	8.578	8.578	0.000	73	606716	100.0	104.1	
67 2-ethoxy-2-methyl butane	87	8.584	8.584	0.000	95	784090	100.0	108.4	
68 Methyl methacrylate	69	8.657	8.651	0.006	90	587570	100.0	113.2	
69 1,4-Dioxane	88	8.675	8.669	0.006	91	253716	1250.0	1360.8	
70 Dibromomethane	93	8.693	8.693	0.000	97	385355	100.0	103.8	
72 Dichlorobromomethane	83	8.924	8.924	0.000	99	687352	100.0	103.6	
73 2-Nitropropane	41	9.168	9.168	0.000	98	1306808	500.0	548.6	
74 2-Chloroethyl vinyl ether	63	9.277	9.277	0.000	90	456393	100.0	116.8	
75 cis-1,3-Dichloropropene	75	9.466	9.472	-0.006	97	930686	100.0	108.6	
76 4-Methyl-2-pentanone (MIBK)	43	9.624	9.624	0.000	96	2327589	200.0	223.5	
$ 77 Toluene-d8 (Surr)	98	9.782	9.782	0.000	93	768876	50.0	49.9	
78 Toluene	92	9.855	9.855	0.000	98	1376463	100.0	101.6	
S 80 1,3-Dichloropropene, Total	100				0			218.2	
81 trans-1,3-Dichloropropene	75	10.105	10.105	0.001	92	848363	100.0	109.6	
82 Ethyl methacrylate	69	10.165	10.165	0.000	90	949808	100.0	113.4	
83 1,1,2-Trichloroethane	97	10.311	10.311	0.000	90	535867	100.0	102.4	
84 Tetrachloroethene	166	10.409	10.409	0.000	95	554320	100.0	100.4	
85 1,3-Dichloropropane	76	10.476	10.476	0.000	89	902057	100.0	103.6	
87 2-Hexanone	43	10.512	10.512	0.000	96	1664242	200.0	232.2	
89 Chlorodibromomethane	129	10.695	10.695	0.000	90	597654	100.0	105.5	
90 Ethylene Dibromide	107	10.810	10.810	0.000	99	582114	100.0	104.3	
* 93 Chlorobenzene-d5 (IS)	117	11.236	11.236	0.000	85	578420	50.0	50.0	
92 1-Chlorohexane	91	11.242	11.242	0.000	98	749087	100.0	103.2	
S 91 Xylenes, Total	106				0			312.7	
94 Chlorobenzene	112	11.260	11.260	0.000	95	1590808	100.0	100.8	
95 1,1,1,2-Tetrachloroethane	131	11.346	11.346	0.000	95	596426	100.0	103.4	
96 Ethylbenzene	91	11.346	11.346	0.000	98	2739964	100.0	102.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
97 m-Xylene & p-Xylene	106	11.461	11.461	0.000	99	2157969	200.0	207.3	
98 o-Xylene	106	11.790	11.790	0.000	96	1144989	100.0	105.4	
99 Styrene	104	11.808	11.808	0.000	95	1785100	100.0	109.8	
100 Bromoform	173	11.966	11.966	0.000	96	465947	100.0	108.8	
101 Isopropylbenzene	105	12.088	12.088	0.000	96	3004051	100.0	105.5	
103 Cyclohexanone	55	12.161	12.161	0.000	92	1061033	1250.0	1397.7	
$ 104 4-Bromofluorobenzene (Surr)	95	12.234	12.240	-0.006	88	287927	50.0	49.7	
105 1,1,2,2-Tetrachloroethane	83	12.325	12.325	0.000	93	1094611	100.0	105.5	
106 trans-1,4-Dichloro-2-butene	53	12.349	12.355	-0.006	81	792418	250.0	284.3	
107 Bromobenzene	156	12.355	12.355	0.000	89	661775	100.0	103.9	
108 1,2,3-Trichloropropane	110	12.374	12.374	0.000	82	313014	100.0	105.2	
109 N-Propylbenzene	91	12.422	12.422	0.000	99	3496130	100.0	107.1	
110 2-Chlorotoluene	126	12.495	12.495	0.000	97	728476	100.0	106.3	
111 1,3,5-Trimethylbenzene	105	12.556	12.556	0.000	94	2687100	100.0	110.5	
112 4-Chlorotoluene	126	12.587	12.593	-0.006	97	697665	100.0	104.8	
114 tert-Butylbenzene	134	12.800	12.800	0.000	93	535112	100.0	115.4	
116 1,2,4-Trimethylbenzene	105	12.842	12.842	0.000	97	2752467	100.0	110.8	
117 sec-Butylbenzene	105	12.964	12.964	0.000	94	3492361	100.0	110.7	
118 1,3-Dichlorobenzene	146	13.067	13.067	0.000	97	1355454	100.0	103.8	
119 4-Isopropyltoluene	119	13.067	13.067	0.000	97	3052193	100.0	112.4	
* 120 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	93	330578	50.0	50.0	
121 1,4-Dichlorobenzene	146	13.140	13.140	0.000	94	1380699	100.0	100.1	
122 1,2,3-Trimethylbenzene	105	13.146	13.146	0.000	98	2927452	100.0	110.0	
123 Benzyl chloride	91	13.207	13.207	0.000	98	2090958	100.0	119.5	
124 1,3-Diethylbenzene	119	13.268	13.268	0.000	95	1833590	100.0	111.1	
125 p-Diethylbenzene	119	13.341	13.341	0.000	94	1895226	100.0	108.9	
126 n-Butylbenzene	92	13.359	13.365	-0.006	97	1584314	100.0	112.0	
127 1,2-Dichlorobenzene	146	13.396	13.396	0.000	98	1444919	100.0	103.1	
128 o-diethylbenzene	119	13.414	13.414	0.000	95	1558850	100.0	104.7	
130 1,2-Dibromo-3-Chloropropane	75	13.937	13.937	0.000	86	343702	100.0	108.2	
131 1,3,5-Trichlorobenzene	180	14.071	14.071	0.000	98	1183605	100.0	103.6	
132 1,2,4-Trichlorobenzene	180	14.491	14.491	0.000	94	1183460	100.0	104.1	
133 Hexachlorobutadiene	225	14.576	14.576	0.000	98	466255	100.0	103.8	
134 Naphthalene	128	14.673	14.673	0.000	97	4500457	100.0	109.6	
135 1,2,3-Trichlorobenzene	180	14.813	14.819	-0.006	96	1210090	100.0	100.8	
136 2-Methylnaphthalene	142	15.452	15.458	-0.006	92	2759707	100.0	116.3	
S 166 Total Diethylbenzene	1				0			324.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00073	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_00251	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00073	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00069	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00003	Amount Added:	5.00	Units: uL	
MSV_HP20_ISSS_00076	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 09-Jun-2022 09:57:36 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X13.D

Injection Date: 07-Jun-2022 15:37:30 Instrument ID: 9355 Operator ID: kas02648

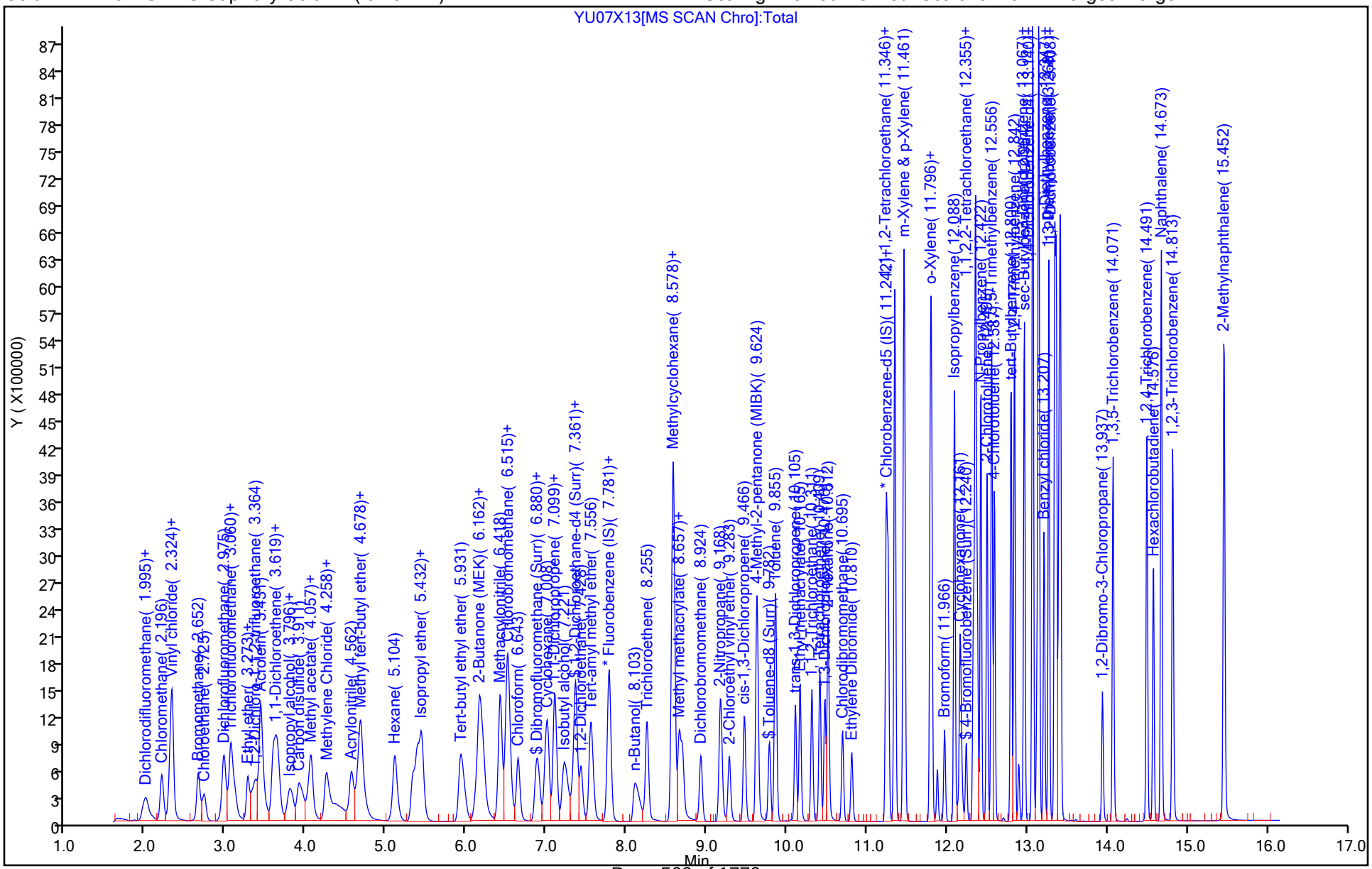
Lims ID: IC v100 Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

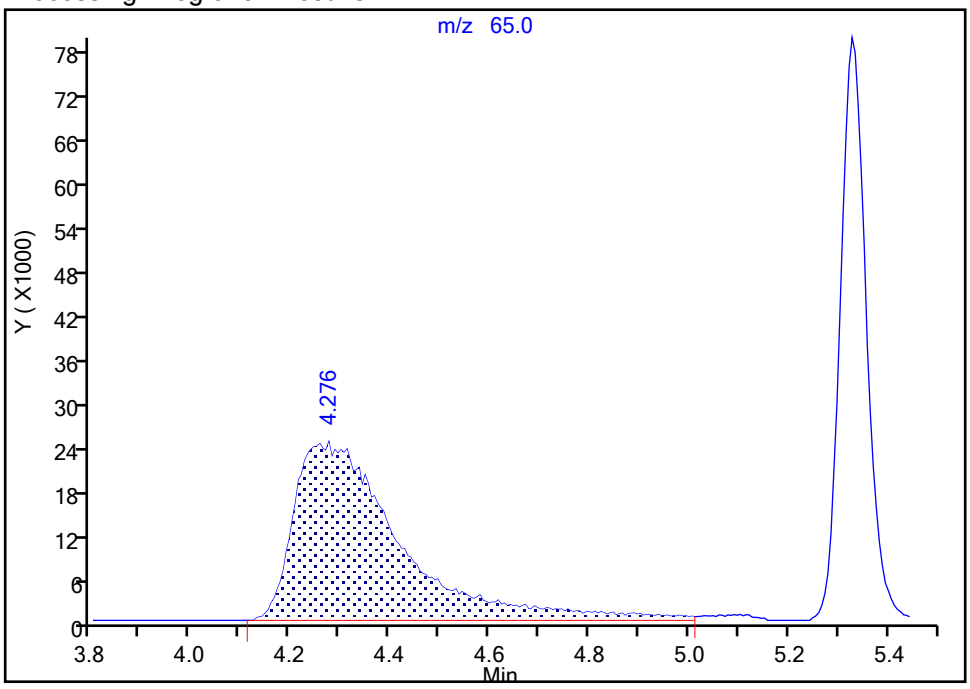
Data File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X13.D				
Injection Date:	07-Jun-2022 15:37:30	Instrument ID:	9355		
Lims ID:	IC v100				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

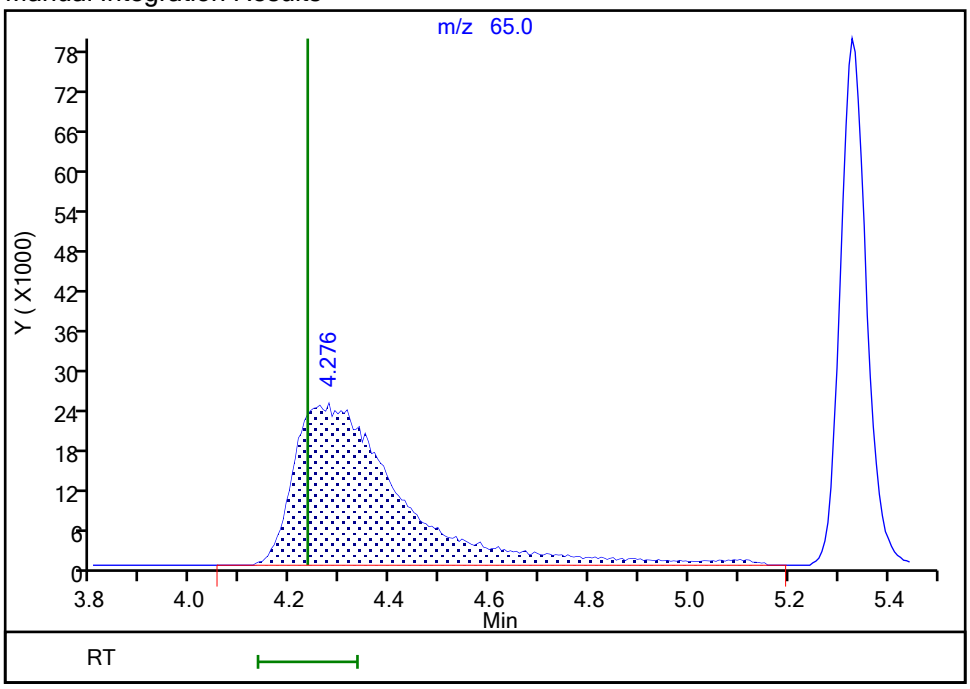
Processing Integration Results

RT: 4.28
Area: 358434
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.28
Area: 363462
Amount: 250.0000
Amount Units: ug/l



Reviewer: mellingerc, 08-Jun-2022 09:07:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

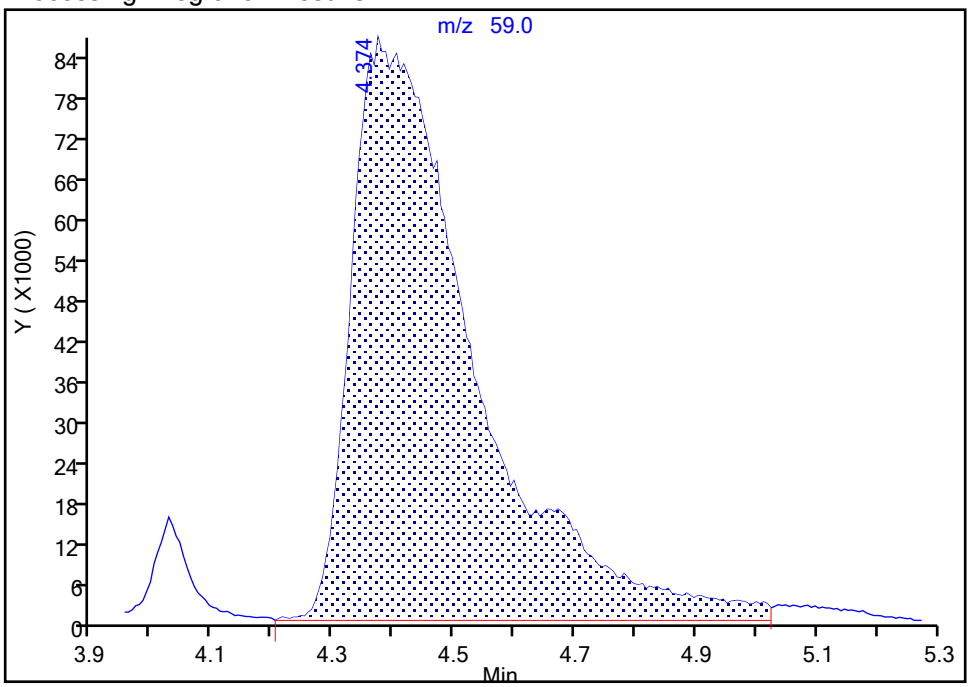
Data File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X13.D				
Injection Date:	07-Jun-2022 15:37:30	Instrument ID:	9355		
Lims ID:	IC v100				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

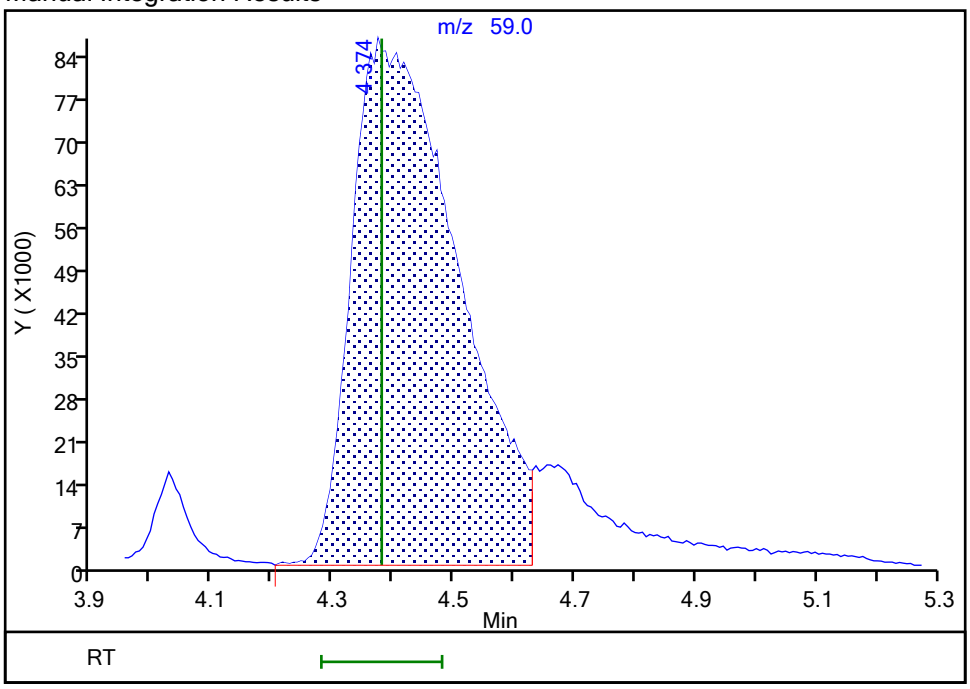
Processing Integration Results

RT: 4.37
Area: 1221183
Amount: 612.2597
Amount Units: ug/l



Manual Integration Results

RT: 4.37
Area: 1059177
Amount: 543.6519
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:51:44
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X12.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Jun-2022 15:15:30 ALS Bottle#: 12 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0058956-018
Misc. Info.: IC 300
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jun-2022 09:57:41 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: mellingerc Date: 08-Jun-2022 09:02:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.995	1.983	0.012	99	2162891	300.0	291.6	
4 Chloromethane	50	2.196	2.190	0.006	99	2492229	300.0	263.8	
6 Vinyl chloride	62	2.299	2.293	0.006	98	2576979	300.0	277.7	
5 Butadiene	39	2.323	2.318	0.005	91	2242348	300.0	280.2	
8 Bromomethane	94	2.646	2.640	0.006	90	1637327	300.0	272.7	
9 Chloroethane	64	2.725	2.719	0.006	100	1264639	300.0	276.0	
10 Dichlorofluoromethane	67	2.968	2.962	0.006	97	3213426	300.0	275.4	
11 Trichlorofluoromethane	101	3.047	3.041	0.006	96	2816741	300.0	298.8	
12 Pentane	43	3.053	3.054	-0.001	97	2370701	300.0	259.3	
14 Ethyl ether	59	3.266	3.267	-0.001	92	1206037	300.1	280.3	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.364	3.358	0.006	93	1876439	300.0	290.0	
16 Acrolein	56	3.431	3.425	0.006	99	6437956	3000.0	3045.8	
17 1,1-Dichloroethene	96	3.595	3.577	0.018	98	1394979	300.0	304.5	
18 Acetone	58	3.595	3.589	0.006	100	617019	600.0	586.4	
19 112TCTFE	101	3.644	3.632	0.012	93	1608612	300.0	296.7	
20 Isopropyl alcohol	45	3.759	3.759	0.000	100	1671503	1500.0	1470.5	
21 Iodomethane	142	3.808	3.784	0.024	97	2548555	300.0	305.9	
22 Carbon disulfide	76	3.930	3.905	0.025	99	4785720	300.0	288.3	M
24 Methyl acetate	43	4.021	4.021	0.000	98	2010490	300.0	292.8	
25 3-Chloro-1-propene	41	4.057	4.057	0.000	91	2011688	300.0	281.0	
* 26 t-Butyl alcohol-d10 (IS)	65	4.252	4.234	0.018	92	330563	250.0	250.0	M
27 Methylene Chloride	84	4.252	4.246	0.006	93	1607292	300.0	295.8	
28 2-Methyl-2-propanol	59	4.374	4.380	-0.006	99	2535886	1500.0	1431.2	M
30 Acrylonitrile	53	4.562	4.562	0.000	100	2674685	750.0	728.6	
31 Methyl tert-butyl ether	73	4.653	4.654	-0.001	95	4609931	300.0	281.9	
32 trans-1,2-Dichloroethene	96	4.678	4.672	0.006	99	1378414	300.0	287.8	
33 Hexane	57	5.098	5.104	-0.006	92	2077106	300.0	281.9	
35 1,1-Dichloroethane	63	5.329	5.323	0.006	96	2470744	300.0	281.7	
36 Isopropyl ether	45	5.390	5.390	0.000	94	4662816	300.0	290.2	
37 2-Chloro-1,3-butadiene	53	5.438	5.438	0.000	90	2000250	300.0	295.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.931	5.925	0.006	97	4484710	300.0	294.1	
40 2-Butanone (MEK)	43	6.126	6.126	0.000	99	3225966	600.0	623.1	
S 39 1,2-Dichloroethene, Total	100				0			579.0	
41 cis-1,2-Dichloroethene	96	6.162	6.156	0.006	82	1533766	300.0	291.2	
43 2,2-Dichloropropane	77	6.205	6.181	0.024	86	2288430	300.0	304.2	
44 Propionitrile	54	6.199	6.193	0.006	99	2703245	1500.0	1572.5	
45 Methacrylonitrile	67	6.418	6.418	0.000	91	2732925	750.0	770.8	
46 Chlorobromomethane	128	6.497	6.503	-0.006	95	825498	300.0	302.5	
47 Tetrahydrofuran	71	6.521	6.521	0.000	91	2223213	1500.0	1604.5	
48 Chloroform	83	6.643	6.643	0.000	93	2401003	300.0	284.1	
$ 49 Dibromofluoromethane (Surr)	113	6.862	6.862	0.000	93	171430	50.0	49.0	
50 1,1,1-Trichloroethane	97	6.892	6.886	0.006	99	2374125	300.0	304.7	
51 Cyclohexane	56	7.008	7.002	0.006	90	3107226	300.0	304.4	
52 1,1-Dichloropropene	75	7.099	7.099	0.000	98	2035397	300.0	297.1	
53 Carbon tetrachloride	117	7.111	7.105	0.006	97	1996772	300.0	310.1	
54 Isobutyl alcohol	41	7.221	7.221	0.000	96	2260133	3750.0	3861.7	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.324	7.330	-0.006	74	45119	50.0	50.2	
56 Benzene	78	7.361	7.361	0.000	96	6081848	300.0	292.6	
58 1,2-Dichloroethane	62	7.428	7.428	0.000	97	2032363	300.0	295.0	
59 Tert-amyl methyl ether	73	7.555	7.549	0.006	99	4668645	300.0	310.2	
* 61 Fluorobenzene (IS)	96	7.762	7.762	0.000	99	728434	50.0	50.0	
62 n-Heptane	43	7.780	7.781	-0.001	93	2416682	300.0	286.8	
63 n-Butanol	56	8.109	8.115	-0.006	89	2125857	3750.0	4184.2	
64 Trichloroethene	95	8.249	8.249	0.000	98	1574682	300.0	303.9	
65 Methylcyclohexane	83	8.577	8.571	0.006	96	3282757	300.0	318.5	
66 1,2-Dichloropropane	63	8.583	8.578	0.005	82	1722908	300.0	308.4	
67 2-ethoxy-2-methyl butane	87	8.590	8.584	0.006	92	2271521	300.0	327.7	
68 Methyl methacrylate	69	8.656	8.651	0.005	92	1739545	300.0	349.5	
69 1,4-Dioxane	88	8.675	8.669	0.006	92	665024	3750.0	3921.8	
70 Dibromomethane	93	8.693	8.693	0.000	97	1118135	300.0	314.1	
72 Dichlorobromomethane	83	8.924	8.924	0.000	100	2004470	300.0	315.1	
73 2-Nitropropane	41	9.174	9.168	0.006	97	3745289	1500.0	1728.7	
74 2-Chloroethyl vinyl ether	63	9.277	9.277	0.000	91	1365736	300.0	364.5	
75 cis-1,3-Dichloropropene	75	9.472	9.472	0.000	97	2749929	300.0	334.7	
76 4-Methyl-2-pentanone (MIBK)	43	9.624	9.624	0.000	98	6438381	600.0	645.0	
$ 77 Toluene-d8 (Surr)	98	9.782	9.782	0.000	93	759101	50.0	47.8	
78 Toluene	92	9.855	9.855	0.000	98	4033212	300.0	288.8	
S 80 1,3-Dichloropropene, Total	100				0			653.6	
81 trans-1,3-Dichloropropene	75	10.104	10.105	0.000	92	2545701	300.0	319.0	
82 Ethyl methacrylate	69	10.165	10.165	0.000	90	2743361	300.0	317.6	
83 1,1,2-Trichloroethane	97	10.311	10.311	0.000	90	1577171	300.0	292.3	
84 Tetrachloroethene	166	10.415	10.409	0.006	96	1680725	300.0	295.2	
85 1,3-Dichloropropane	76	10.475	10.476	-0.001	90	2688552	300.0	299.4	
87 2-Hexanone	43	10.512	10.512	0.000	96	4733104	600.0	640.5	
89 Chlorodibromomethane	129	10.694	10.695	-0.001	90	1826688	300.0	312.8	
90 Ethylene Dibromide	107	10.810	10.810	0.000	99	1751583	300.0	304.5	
* 93 Chlorobenzene-d5 (IS)	117	11.236	11.236	0.000	87	596421	50.0	50.0	
92 1-Chlorohexane	91	11.242	11.242	0.000	98	2211924	300.0	295.6	
S 91 Xylenes, Total	106				0			896.2	
94 Chlorobenzene	112	11.266	11.260	0.006	95	4716695	300.0	289.9	
95 1,1,1,2-Tetrachloroethane	131	11.345	11.346	-0.001	97	1777970	300.0	298.9	
96 Ethylbenzene	91	11.345	11.346	-0.001	98	7996992	300.0	290.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
97 m-Xylene & p-Xylene	106	11.461	11.461	0.000	99	6387626	600.0	595.2	
98 o-Xylene	106	11.790	11.790	0.000	96	3373321	300.0	301.0	
99 Styrene	104	11.808	11.808	0.000	94	5361065	300.0	319.7	
100 Bromoform	173	11.966	11.966	0.000	96	1419117	300.0	321.3	
101 Isopropylbenzene	105	12.094	12.088	0.006	96	8601891	300.0	293.1	
103 Cyclohexanone	55	12.161	12.161	0.000	92	2664928	3750.0	3859.8	
$ 104 4-Bromofluorobenzene (Surr)	95	12.240	12.240	0.000	89	297201	50.0	49.7	
105 1,1,2,2-Tetrachloroethane	83	12.325	12.325	0.000	93	3084239	300.0	274.3	
106 trans-1,4-Dichloro-2-butene	53	12.355	12.355	0.000	79	2370226	750.0	784.7	
107 Bromobenzene	156	12.355	12.355	0.000	89	1999596	300.0	289.6	
108 1,2,3-Trichloropropane	110	12.380	12.374	0.006	83	905606	300.0	280.7	
109 N-Propylbenzene	91	12.422	12.422	0.000	98	9770873	300.0	276.1	
110 2-Chlorotoluene	126	12.501	12.495	0.006	97	2177840	300.0	293.3	
111 1,3,5-Trimethylbenzene	105	12.556	12.556	0.000	95	7890558	300.0	299.3	
112 4-Chlorotoluene	126	12.593	12.593	0.000	97	2140333	300.0	296.8	
114 tert-Butylbenzene	134	12.799	12.800	-0.001	93	1647124	300.0	327.7	
116 1,2,4-Trimethylbenzene	105	12.842	12.842	0.000	97	8057880	300.0	299.2	
117 sec-Butylbenzene	105	12.964	12.964	0.000	95	9830275	300.0	287.6	
118 1,3-Dichlorobenzene	146	13.067	13.067	0.000	97	4048848	300.0	286.1	
119 4-Isopropyltoluene	119	13.073	13.067	0.006	96	8803987	300.0	299.1	
* 120 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	93	358258	50.0	50.0	
121 1,4-Dichlorobenzene	146	13.140	13.140	0.000	93	4117274	300.0	275.5	
122 1,2,3-Trimethylbenzene	105	13.146	13.146	0.000	98	8522280	300.0	295.5	
123 Benzyl chloride	91	13.207	13.207	0.000	98	6254678	300.0	329.8	
124 1,3-Diethylbenzene	119	13.268	13.268	0.000	94	5425557	300.0	303.4	
125 p-Diethylbenzene	119	13.341	13.341	0.000	95	5558629	300.0	294.7	
126 n-Butylbenzene	92	13.365	13.365	0.000	97	4624536	300.0	301.7	
127 1,2-Dichlorobenzene	146	13.396	13.396	0.000	97	4267385	300.0	280.9	
128 o-diethylbenzene	119	13.414	13.414	0.000	96	4611984	300.0	285.8	
130 1,2-Dibromo-3-Chloropropane	75	13.937	13.937	0.000	87	1004680	300.0	291.9	
131 1,3,5-Trichlorobenzene	180	14.071	14.071	0.000	97	3448542	300.0	278.6	
132 1,2,4-Trichlorobenzene	180	14.491	14.491	0.000	94	3389392	300.0	275.2	
133 Hexachlorobutadiene	225	14.576	14.576	0.000	98	1265723	300.0	260.1	
134 Naphthalene	128	14.673	14.673	0.000	99	11711669	300.0	263.1	
135 1,2,3-Trichlorobenzene	180	14.813	14.819	-0.006	96	3382571	300.0	260.0	
136 2-Methylnaphthalene	142	15.458	15.458	0.000	92	7217128	300.0	280.8	
S 166 Total Diethylbenzene	1				0			883.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00073	Amount Added:	15.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added:	30.00	Units: uL	
MSV_CCV_GASES_00251	Amount Added:	7.50	Units: uL	
MSV_CCV_VOC#3_00073	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00069	Amount Added:	15.00	Units: uL	
MSV_CCV_EE_00003	Amount Added:	15.00	Units: uL	
MSV_HP20_ISSS_00076	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 09-Jun-2022 09:57:42 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X12.D

Injection Date: 07-Jun-2022 15:15:30 Instrument ID: 9355 Operator ID: kas02648

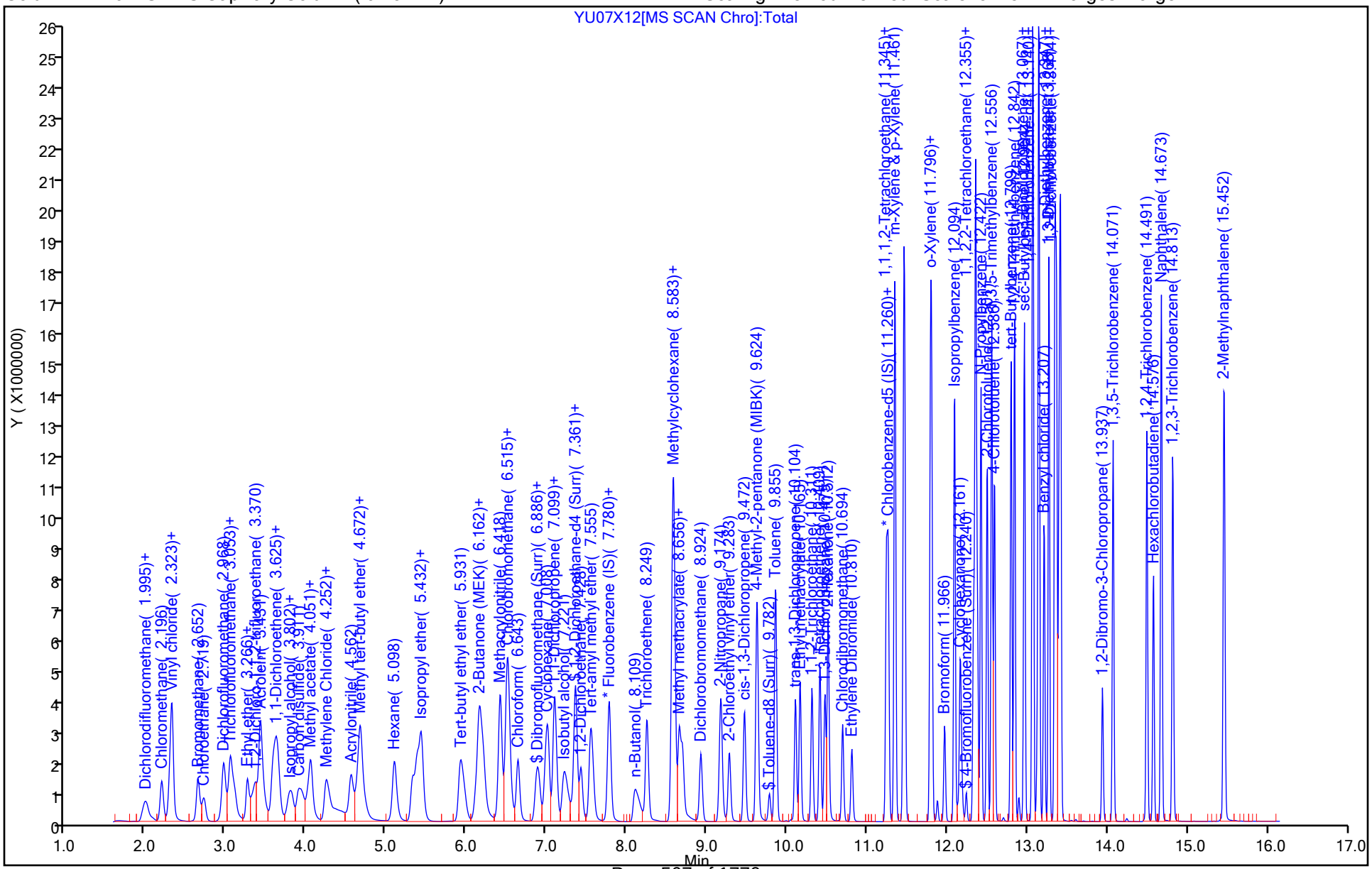
Lims ID: IC v300 Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 12

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

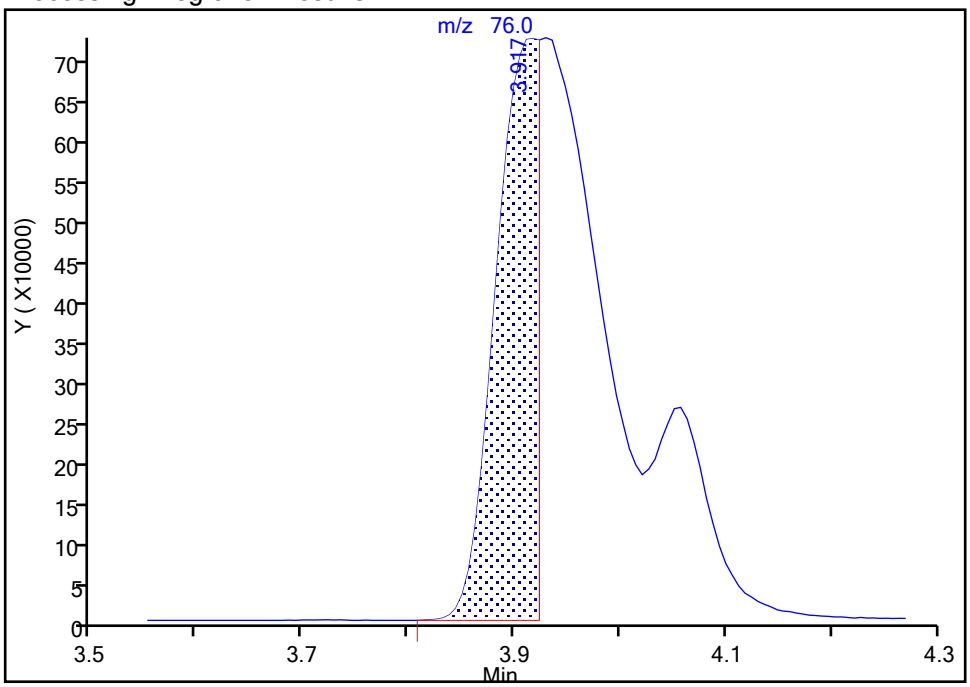
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X12.D
Injection Date: 07-Jun-2022 15:15:30 Instrument ID: 9355
Lims ID: IC v300
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

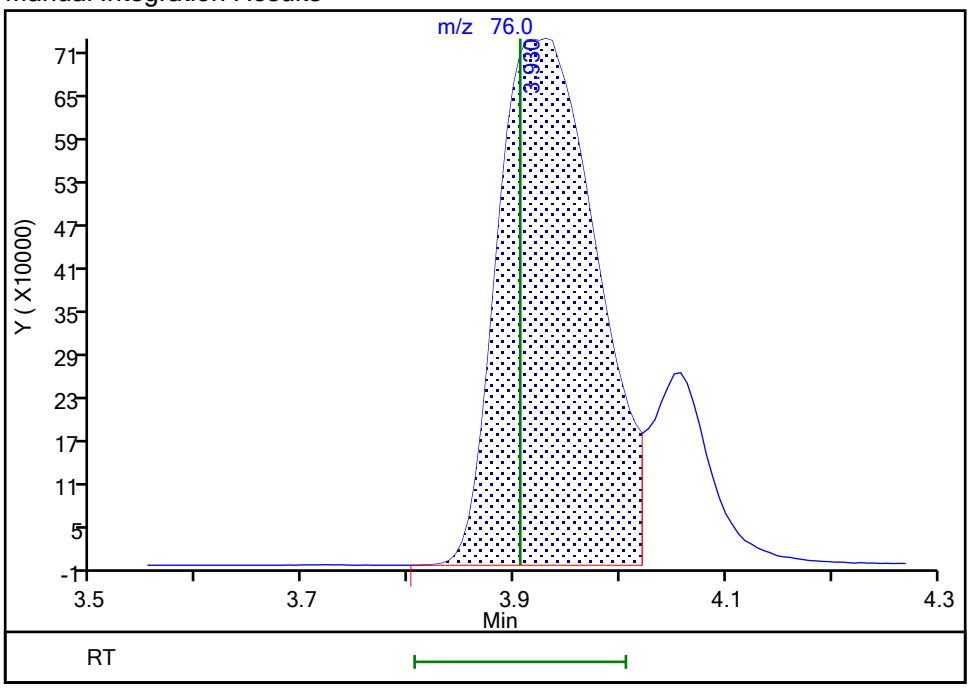
Processing Integration Results

RT: 3.92
Area: 2111381
Amount: 28.167714
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 4785720
Amount: 288.3352
Amount Units: ug/l



Reviewer: mellingerc, 08-Jun-2022 09:01:17
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

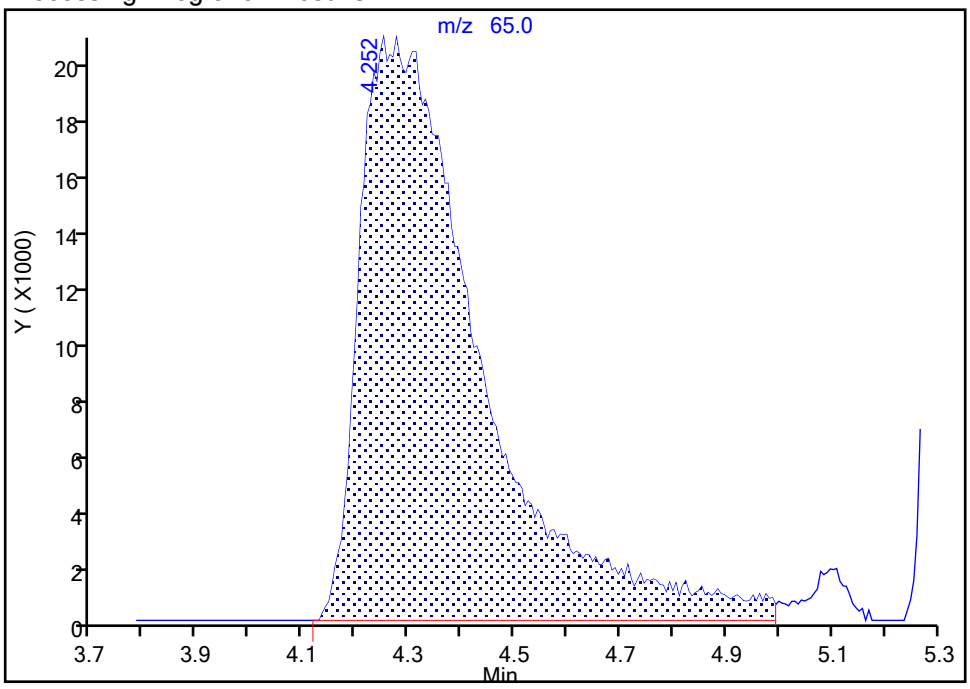
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X12.D
Injection Date: 07-Jun-2022 15:15:30 Instrument ID: 9355
Lims ID: IC v300
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

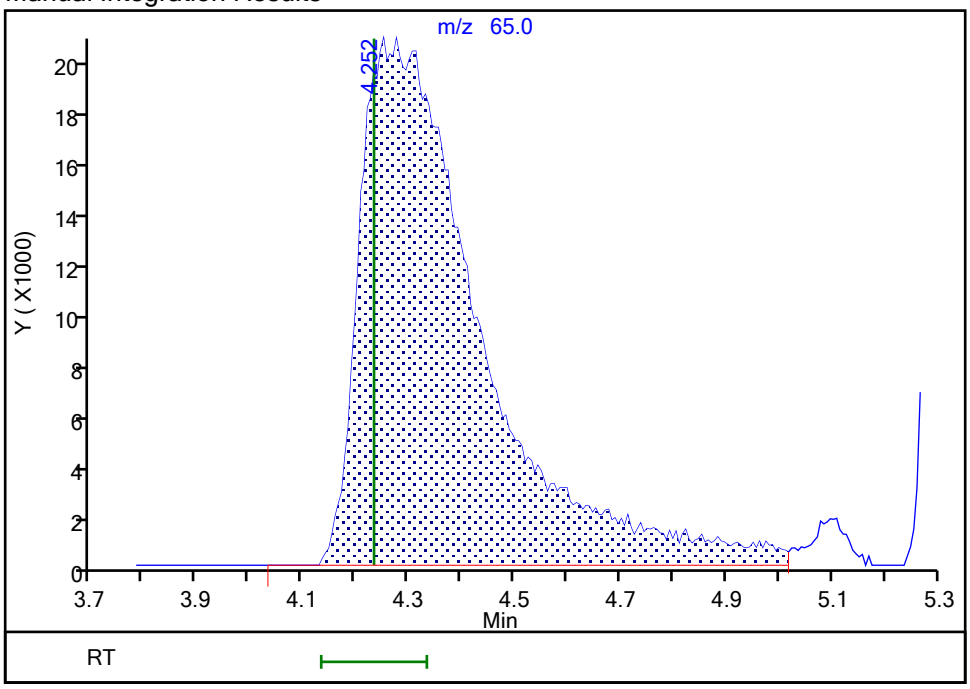
Processing Integration Results

RT: 4.25
Area: 329681
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.25
Area: 330563
Amount: 250.0000
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:39:05
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

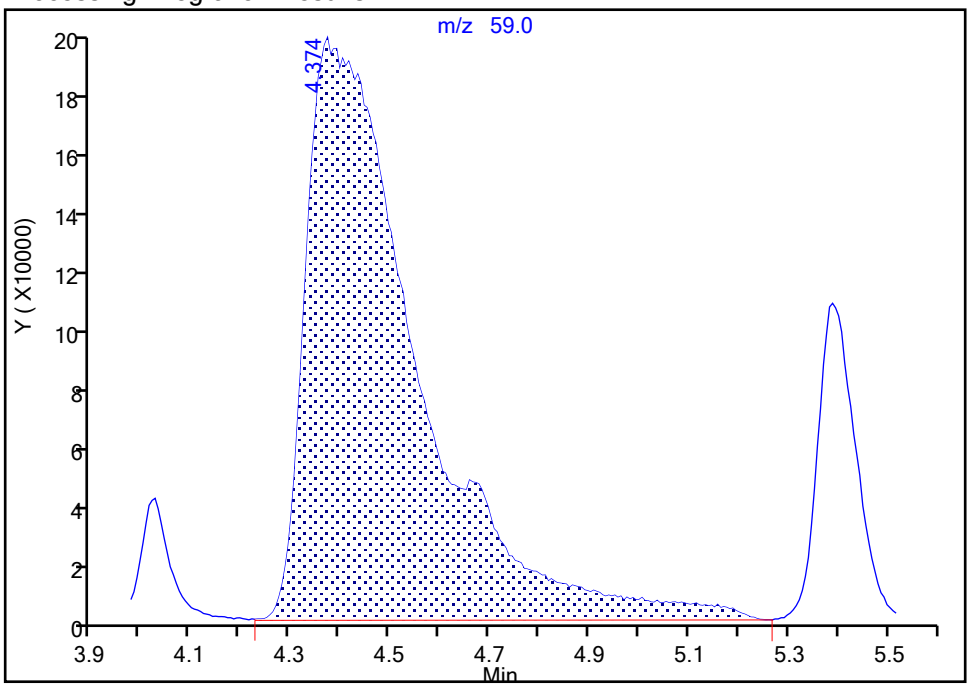
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X12.D
Injection Date: 07-Jun-2022 15:15:30 Instrument ID: 9355
Lims ID: IC v300
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

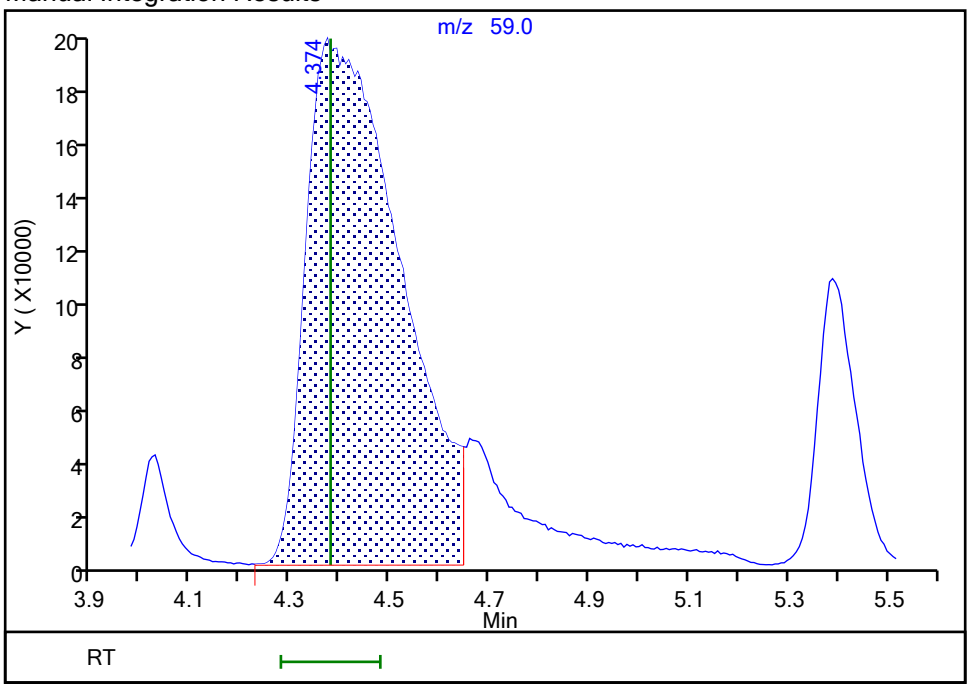
Processing Integration Results

RT: 4.37
Area: 2978739
Amount: 1604.7604
Amount Units: ug/l



Manual Integration Results

RT: 4.37
Area: 2535886
Amount: 1431.1555
Amount Units: ug/l



Reviewer: kellerk, 09-Jun-2022 08:39:22
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Calibration / Dichlorodifluoromethane

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

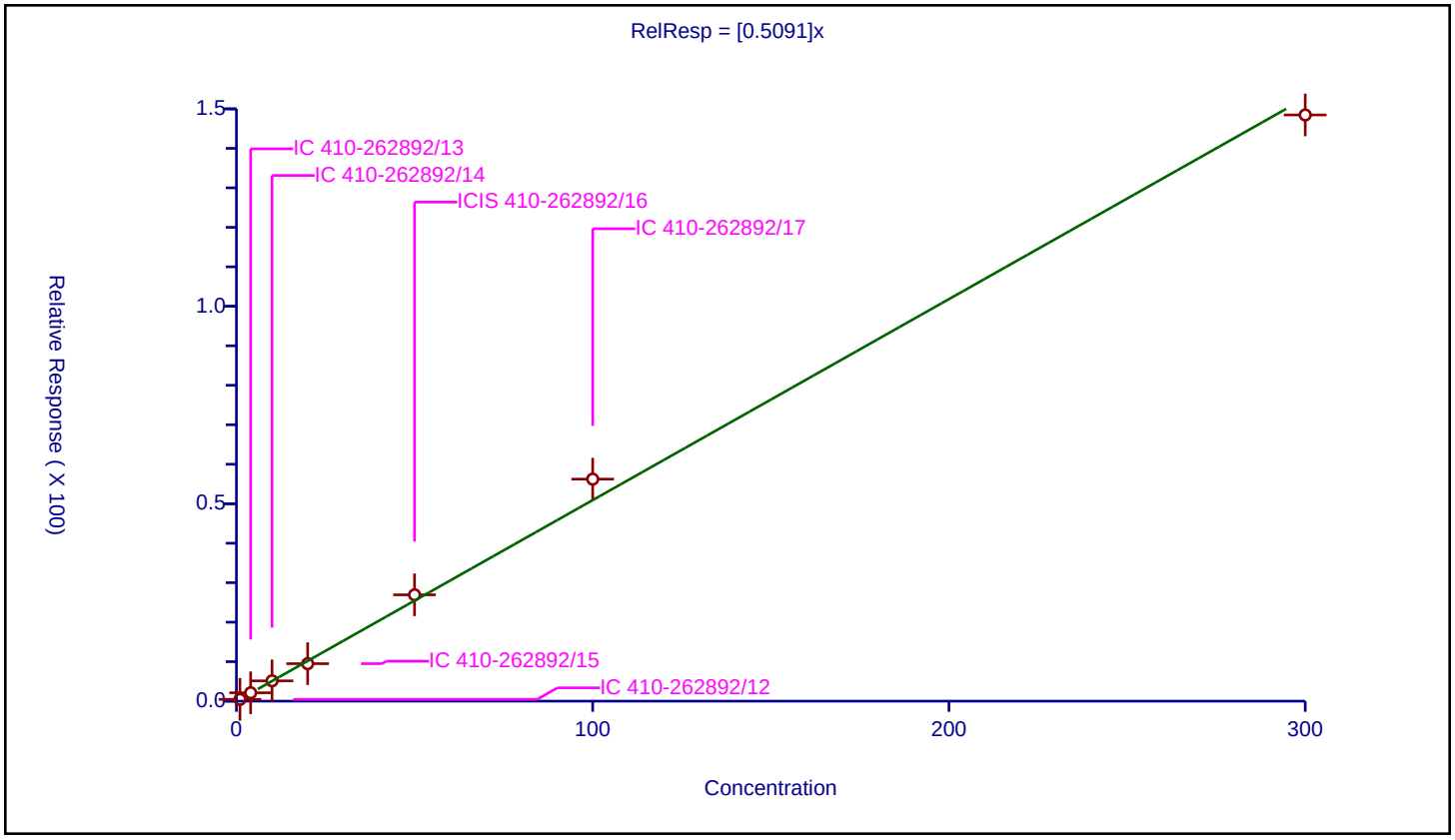
Curve Coefficients

Intercept:	0
Slope:	0.5091

Error Coefficients

Standard Error:	966000
Relative Standard Error:	7.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.448518	50.0	696627.0	0.448518	Y
2	IC 410-262892/13	4.0	2.124055	50.0	715424.0	0.531014	Y
3	IC 410-262892/14	10.0	5.139128	50.0	725483.0	0.513913	Y
4	IC 410-262892/15	20.0	9.488286	50.0	726675.0	0.474414	Y
5	ICIS 410-262892/16	50.0	26.932079	50.0	753243.0	0.538642	Y
6	IC 410-262892/17	100.0	56.230227	50.0	759884.0	0.562302	Y
7	IC 410-262892/18	300.0	148.4617	50.0	728434.0	0.494872	Y



Calibration / Chloromethane

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

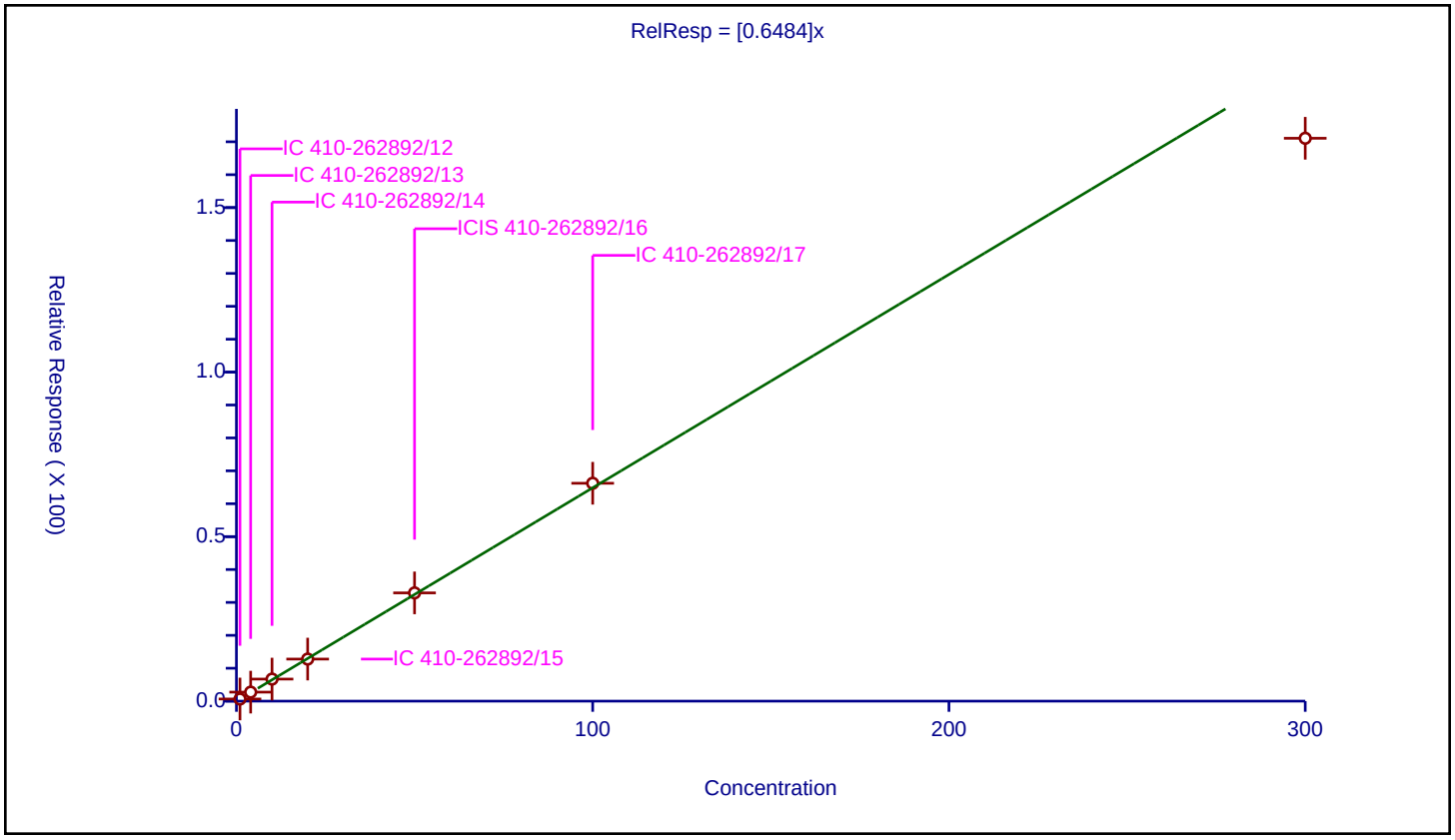
Curve Coefficients

Intercept:	0
Slope:	0.6484

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	5.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.652142	50.0	696627.0	0.652142	Y
2	IC 410-262892/13	4.0	2.743198	50.0	715424.0	0.6858	Y
3	IC 410-262892/14	10.0	6.709392	50.0	725483.0	0.670939	Y
4	IC 410-262892/15	20.0	12.788729	50.0	726675.0	0.639436	Y
5	ICIS 410-262892/16	50.0	32.897617	50.0	753243.0	0.657952	Y
6	IC 410-262892/17	100.0	66.215633	50.0	759884.0	0.662156	Y
7	IC 410-262892/18	300.0	171.067592	50.0	728434.0	0.570225	Y



Calibration / Vinyl chloride

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

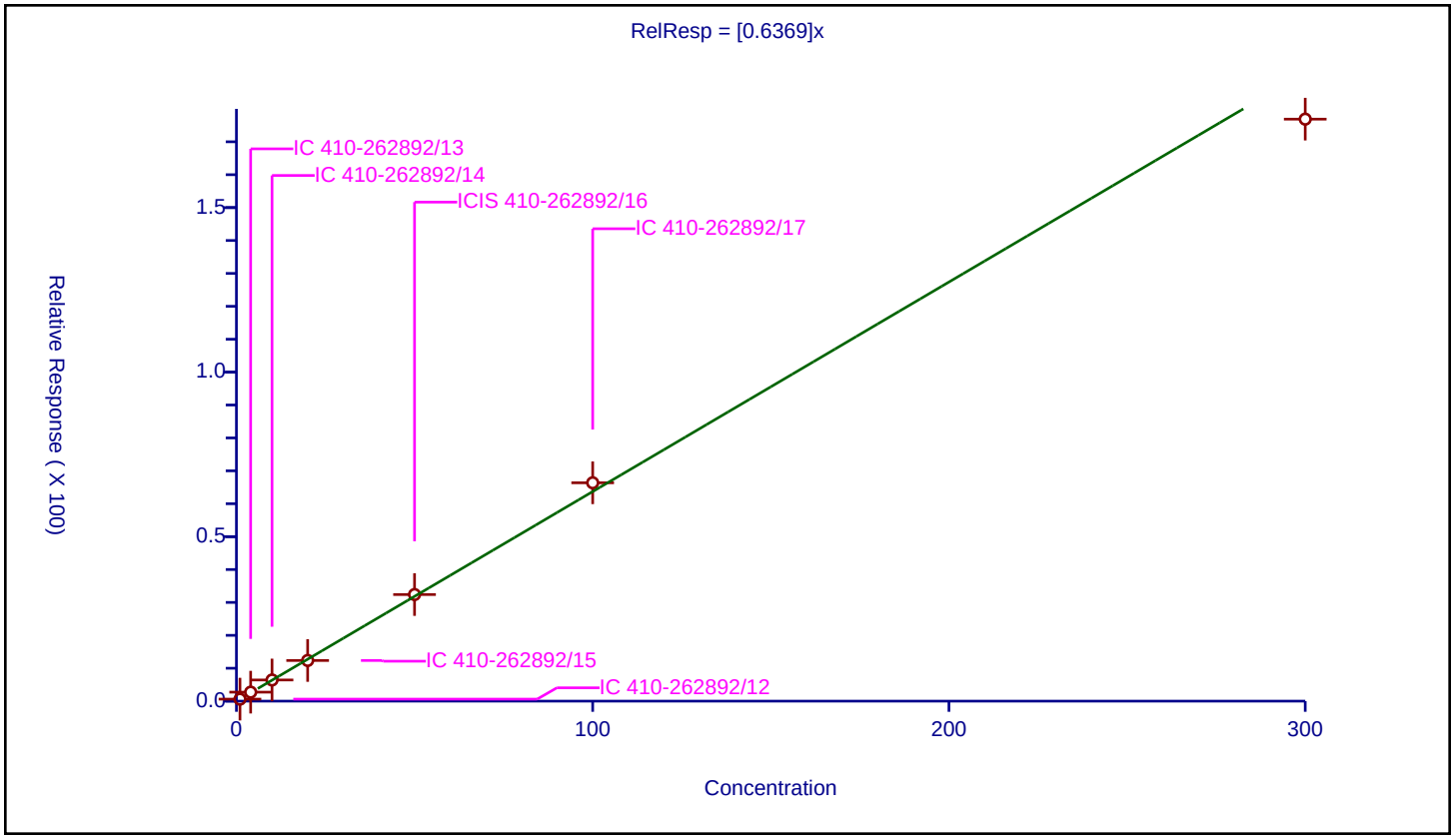
Curve Coefficients

Intercept:	0
Slope:	0.6369

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	5.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.612523	50.0	696627.0	0.612523	Y
2	IC 410-262892/13	4.0	2.733065	50.0	715424.0	0.683266	Y
3	IC 410-262892/14	10.0	6.431853	50.0	725483.0	0.643185	Y
4	IC 410-262892/15	20.0	12.360478	50.0	726675.0	0.618024	Y
5	ICIS 410-262892/16	50.0	32.398243	50.0	753243.0	0.647965	Y
6	IC 410-262892/17	100.0	66.361576	50.0	759884.0	0.663616	Y
7	IC 410-262892/18	300.0	176.884865	50.0	728434.0	0.589616	Y



Calibration / Butadiene

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

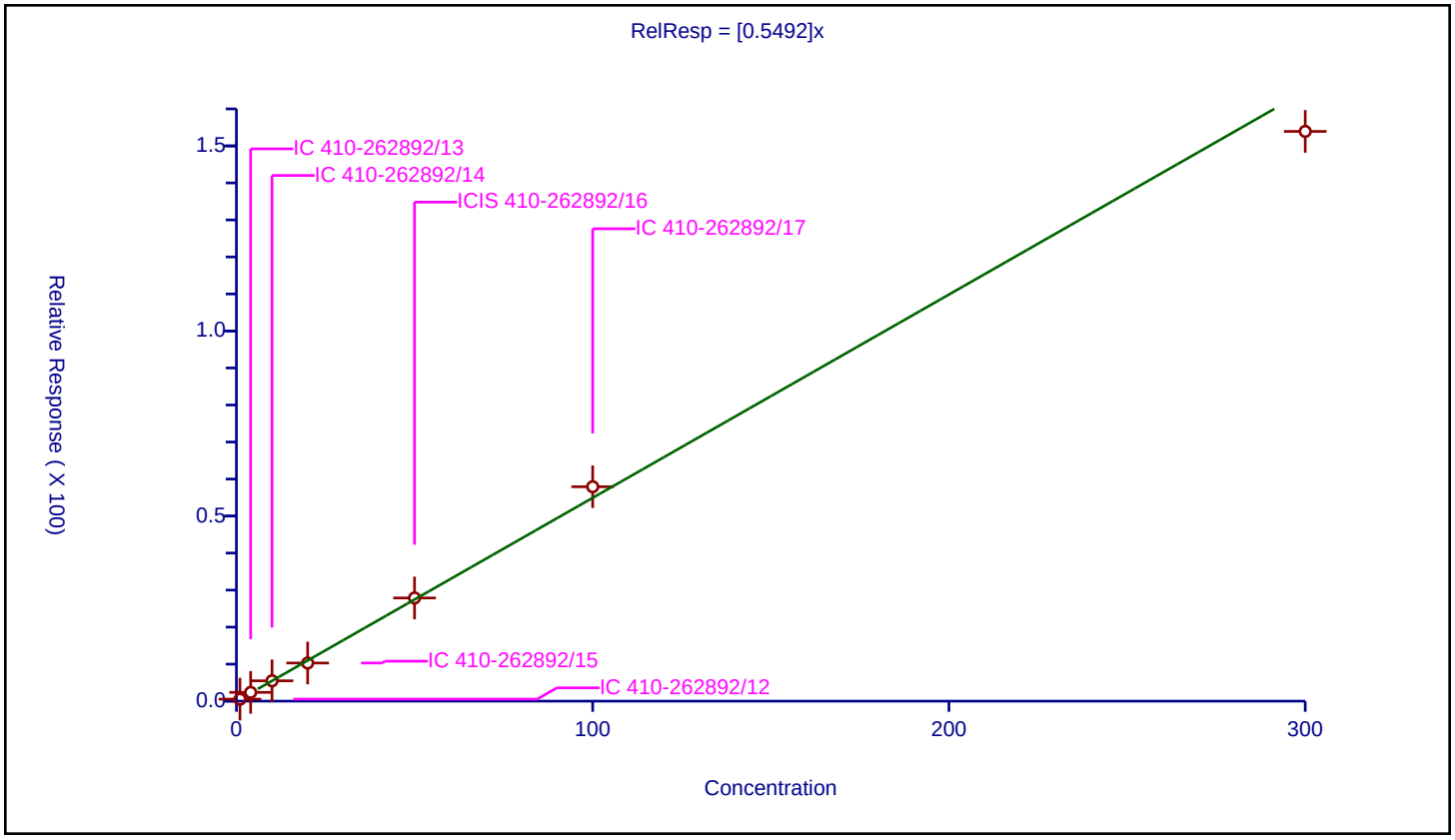
Curve Coefficients

Intercept:	0
Slope:	0.5492

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	5.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.538308	50.0	696627.0	0.538308	Y
2	IC 410-262892/13	4.0	2.369015	50.0	715424.0	0.592254	Y
3	IC 410-262892/14	10.0	5.49365	50.0	725483.0	0.549365	Y
4	IC 410-262892/15	20.0	10.299721	50.0	726675.0	0.514986	Y
5	ICIS 410-262892/16	50.0	27.872745	50.0	753243.0	0.557455	Y
6	IC 410-262892/17	100.0	57.925354	50.0	759884.0	0.579254	Y
7	IC 410-262892/18	300.0	153.91566	50.0	728434.0	0.513052	Y



Calibration / Bromomethane

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

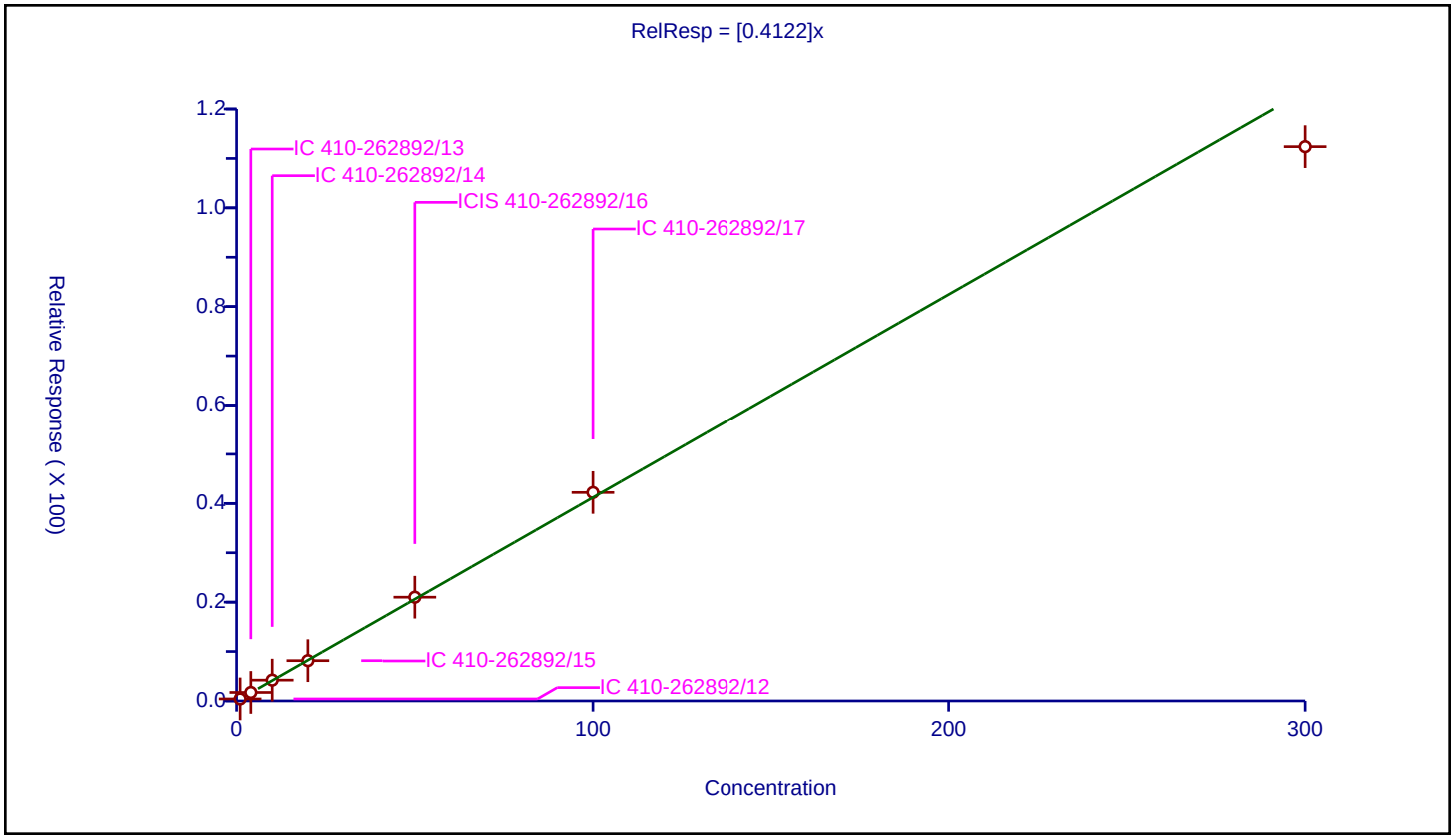
Curve Coefficients

Intercept:	0
Slope:	0.4122

Error Coefficients

Standard Error:	732000
Relative Standard Error:	4.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.409617	50.0	696627.0	0.409617	Y
2	IC 410-262892/13	4.0	1.7194	50.0	715424.0	0.42985	Y
3	IC 410-262892/14	10.0	4.212297	50.0	725483.0	0.42123	Y
4	IC 410-262892/15	20.0	8.151168	50.0	726675.0	0.407558	Y
5	ICIS 410-262892/16	50.0	21.006966	50.0	753243.0	0.420139	Y
6	IC 410-262892/17	100.0	42.23138	50.0	759884.0	0.422314	Y
7	IC 410-262892/18	300.0	112.386778	50.0	728434.0	0.374623	Y



Calibration / Chloroethane

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

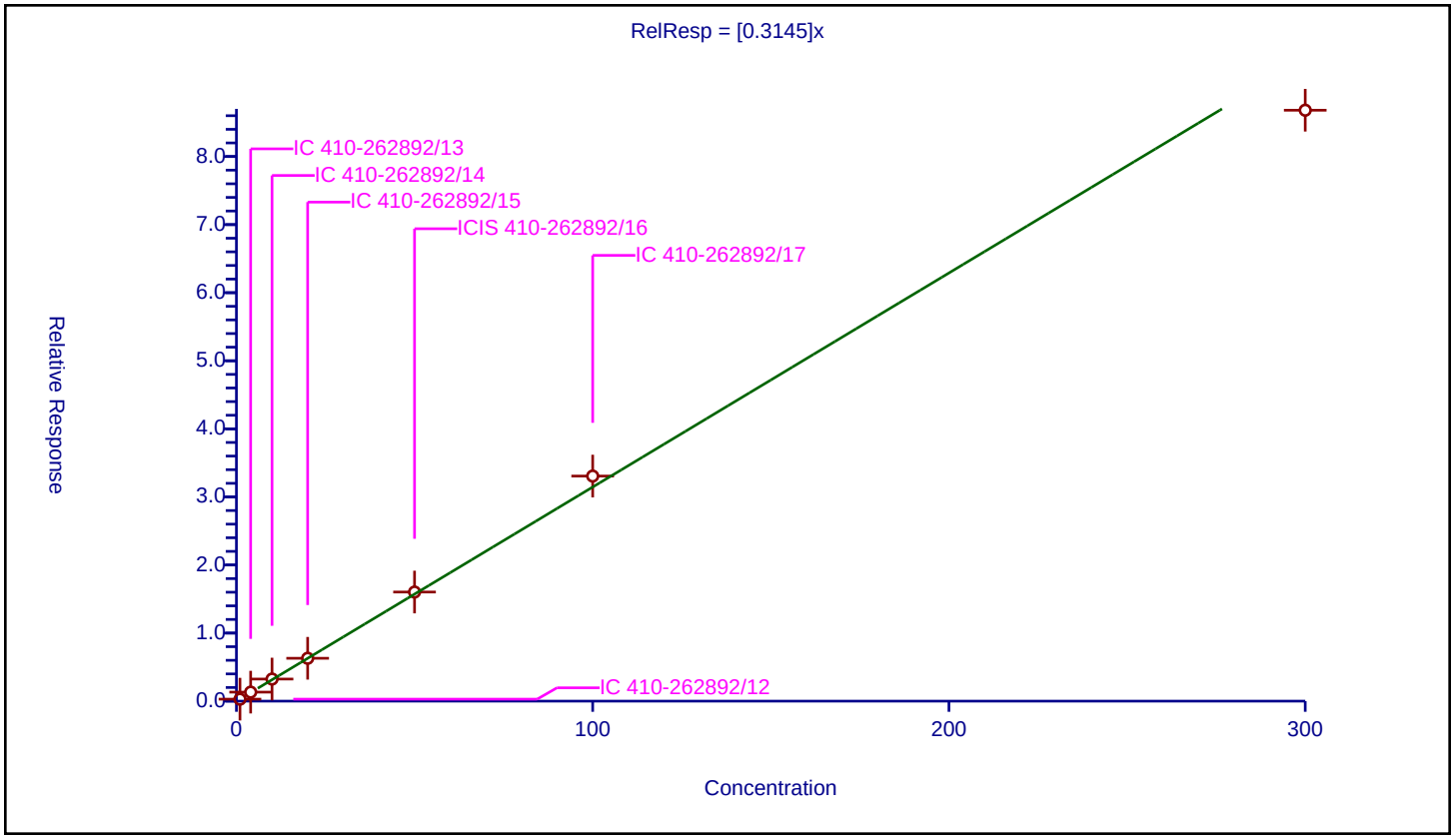
Curve Coefficients

Intercept:	0
Slope:	0.3145

Error Coefficients

Standard Error:	566000
Relative Standard Error:	5.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.290758	50.0	696627.0	0.290758	Y
2	IC 410-262892/13	4.0	1.322572	50.0	715424.0	0.330643	Y
3	IC 410-262892/14	10.0	3.246389	50.0	725483.0	0.324639	Y
4	IC 410-262892/15	20.0	6.295937	50.0	726675.0	0.314797	Y
5	ICIS 410-262892/16	50.0	16.027032	50.0	753243.0	0.320541	Y
6	IC 410-262892/17	100.0	33.062481	50.0	759884.0	0.330625	Y
7	IC 410-262892/18	300.0	86.805325	50.0	728434.0	0.289351	Y



Calibration / Dichlorofluoromethane

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

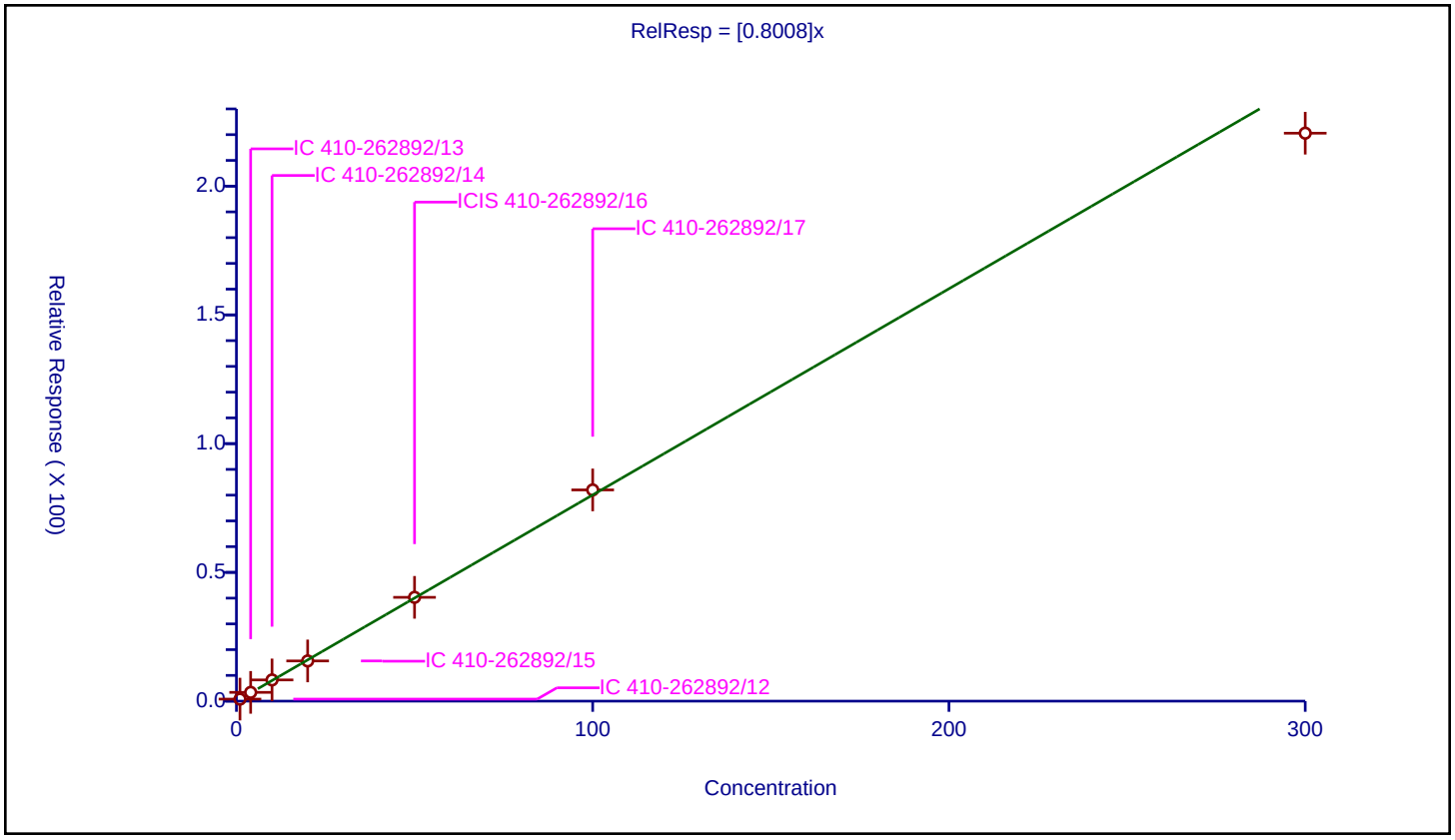
Curve Coefficients

Intercept:	0
Slope:	0.8008

Error Coefficients

Standard Error:	1430000
Relative Standard Error:	4.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.787078	50.0	696627.0	0.787078	Y
2	IC 410-262892/13	4.0	3.406581	50.0	715424.0	0.851645	Y
3	IC 410-262892/14	10.0	8.242026	50.0	725483.0	0.824203	Y
4	IC 410-262892/15	20.0	15.611862	50.0	726675.0	0.780593	Y
5	ICIS 410-262892/16	50.0	40.316737	50.0	753243.0	0.806335	Y
6	IC 410-262892/17	100.0	82.029626	50.0	759884.0	0.820296	Y
7	IC 410-262892/18	300.0	220.570841	50.0	728434.0	0.735236	Y



Calibration / Trichlorofluoromethane

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

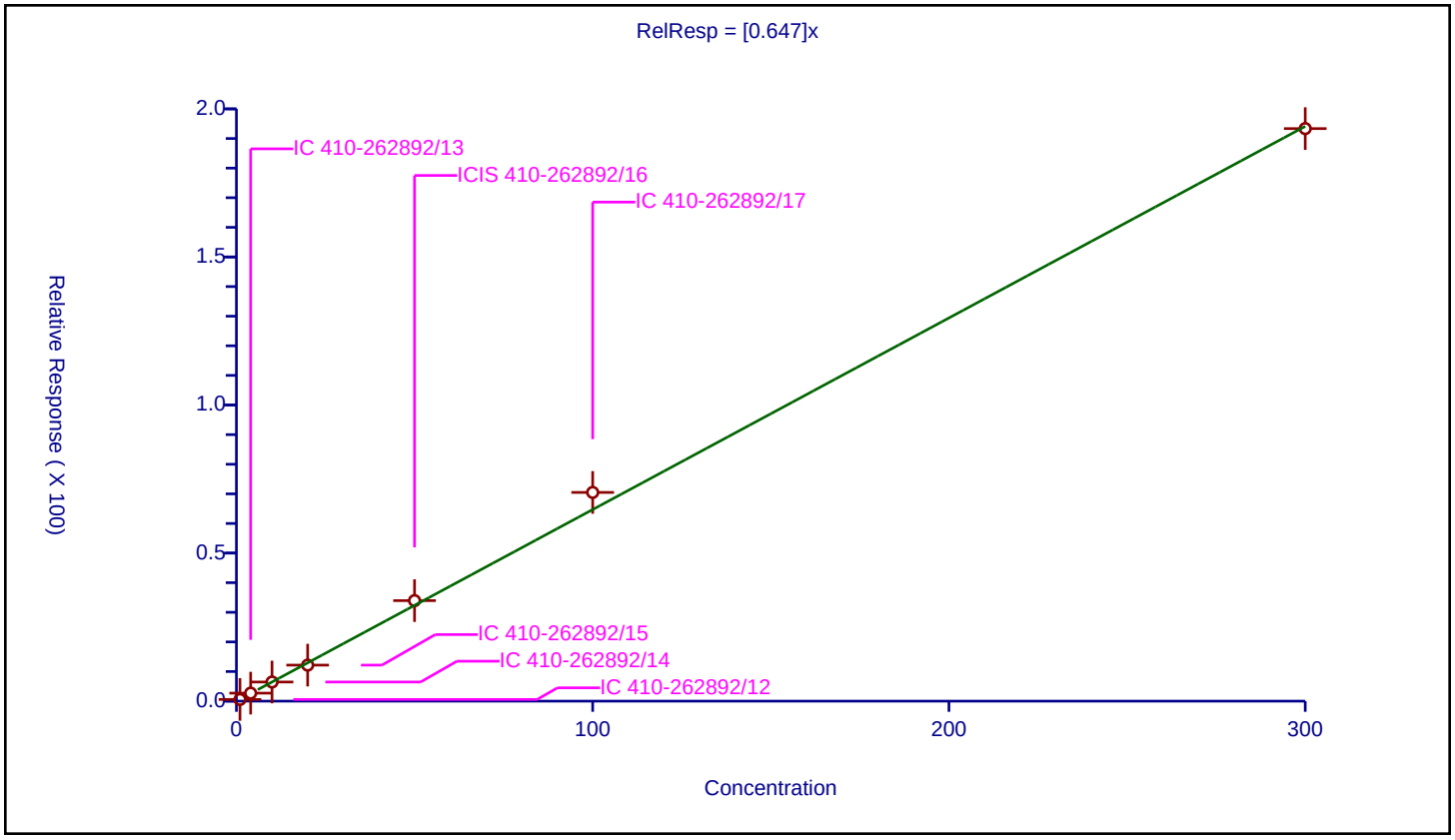
Curve Coefficients

Intercept:	0
Slope:	0.647

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	7.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.569817	50.0	696627.0	0.569817	Y
2	IC 410-262892/13	4.0	2.70427	50.0	715424.0	0.676068	Y
3	IC 410-262892/14	10.0	6.466175	50.0	725483.0	0.646617	Y
4	IC 410-262892/15	20.0	12.161695	50.0	726675.0	0.608085	Y
5	ICIS 410-262892/16	50.0	33.952191	50.0	753243.0	0.679044	Y
6	IC 410-262892/17	100.0	70.485758	50.0	759884.0	0.704858	Y
7	IC 410-262892/18	300.0	193.342225	50.0	728434.0	0.644474	Y



Calibration / Pentane

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

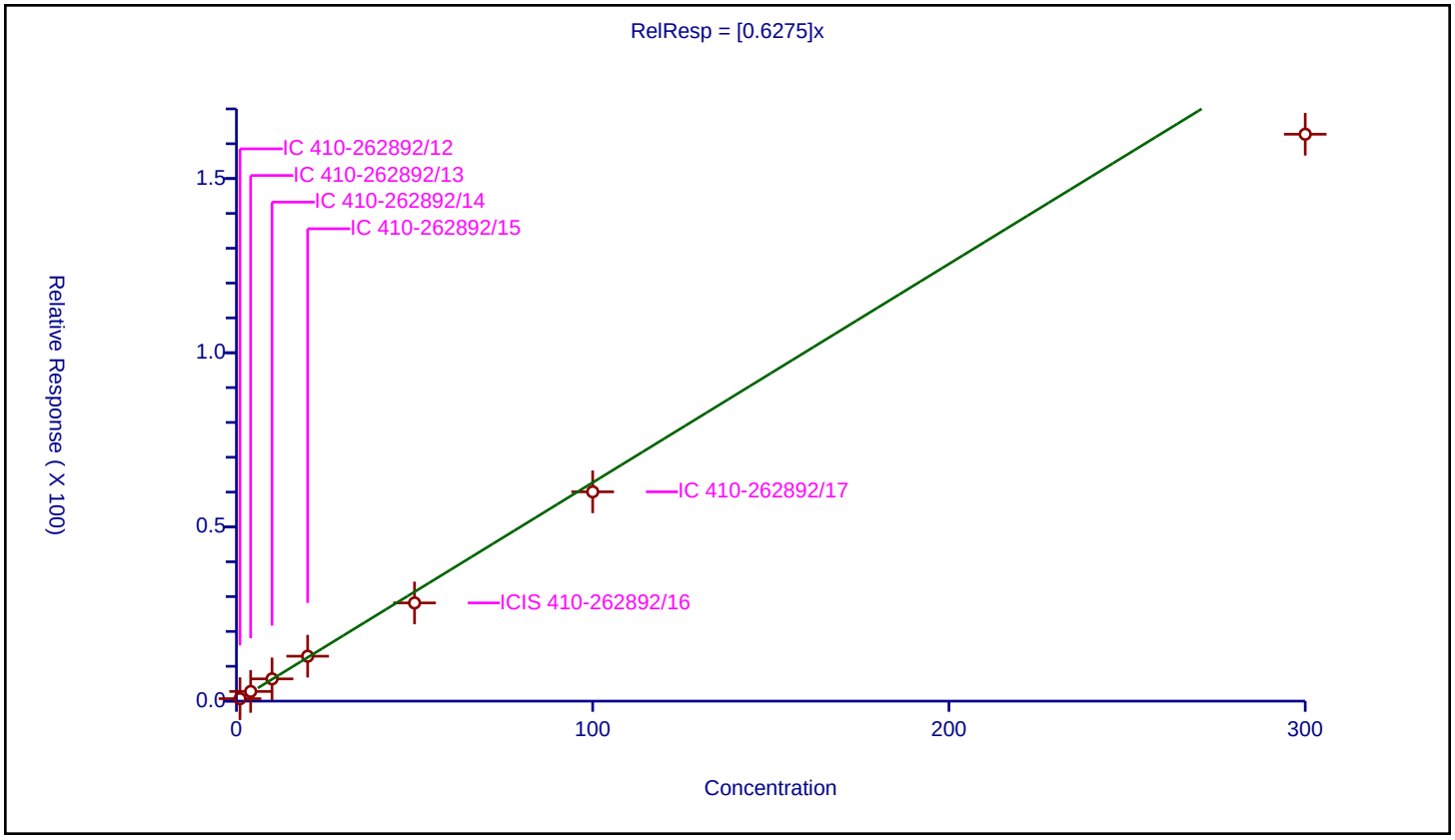
Curve Coefficients

Intercept:	0
Slope:	0.6275

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	9.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.706547	50.0	696627.0	0.706547	Y
2	IC 410-262892/13	4.0	2.779541	50.0	715424.0	0.694885	Y
3	IC 410-262892/14	10.0	6.388227	50.0	725483.0	0.638823	Y
4	IC 410-262892/15	20.0	12.898545	50.0	726675.0	0.644927	Y
5	ICIS 410-262892/16	50.0	28.190836	50.0	753243.0	0.563817	Y
6	IC 410-262892/17	100.0	60.088053	50.0	759884.0	0.600881	Y
7	IC 410-262892/18	300.0	162.725861	50.0	728434.0	0.54242	Y



Calibration / Ethyl ether

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

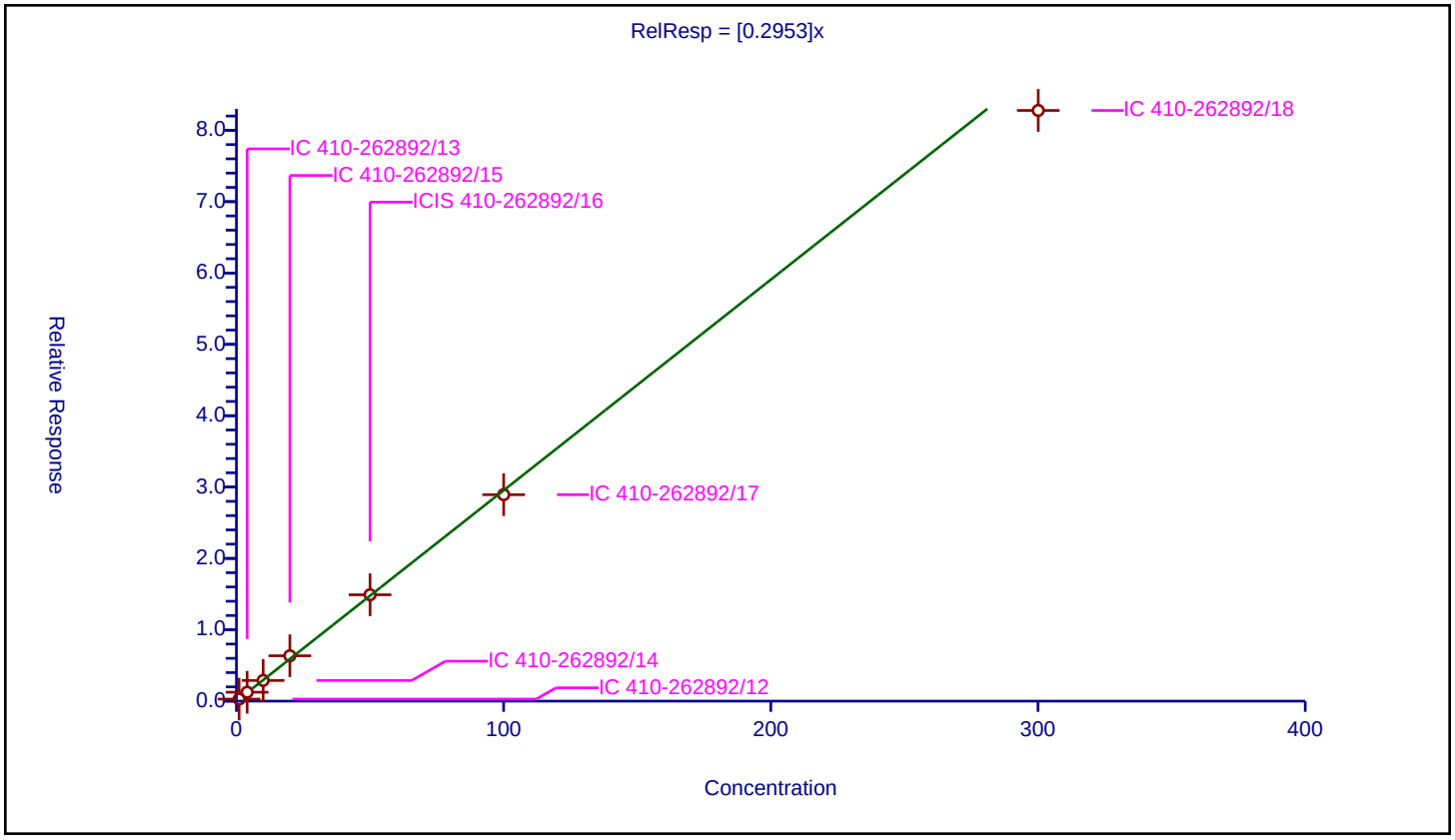
Curve Coefficients

Intercept:	0
Slope:	0.2953

Error Coefficients

Standard Error:	534000
Relative Standard Error:	5.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.000286	0.284944	50.0	696627.0	0.284863	Y
2	IC 410-262892/13	4.001144	1.24856	50.0	715424.0	0.312051	Y
3	IC 410-262892/14	10.00286	2.896622	50.0	725483.0	0.289579	Y
4	IC 410-262892/15	20.00572	6.357037	50.0	726675.0	0.317761	Y
5	ICIS 410-262892/16	50.0143	14.907473	50.0	753243.0	0.298064	Y
6	IC 410-262892/17	100.0286	28.933693	50.0	759884.0	0.289254	Y
7	IC 410-262892/18	300.0858	82.78286	50.0	728434.0	0.275864	Y



Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

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

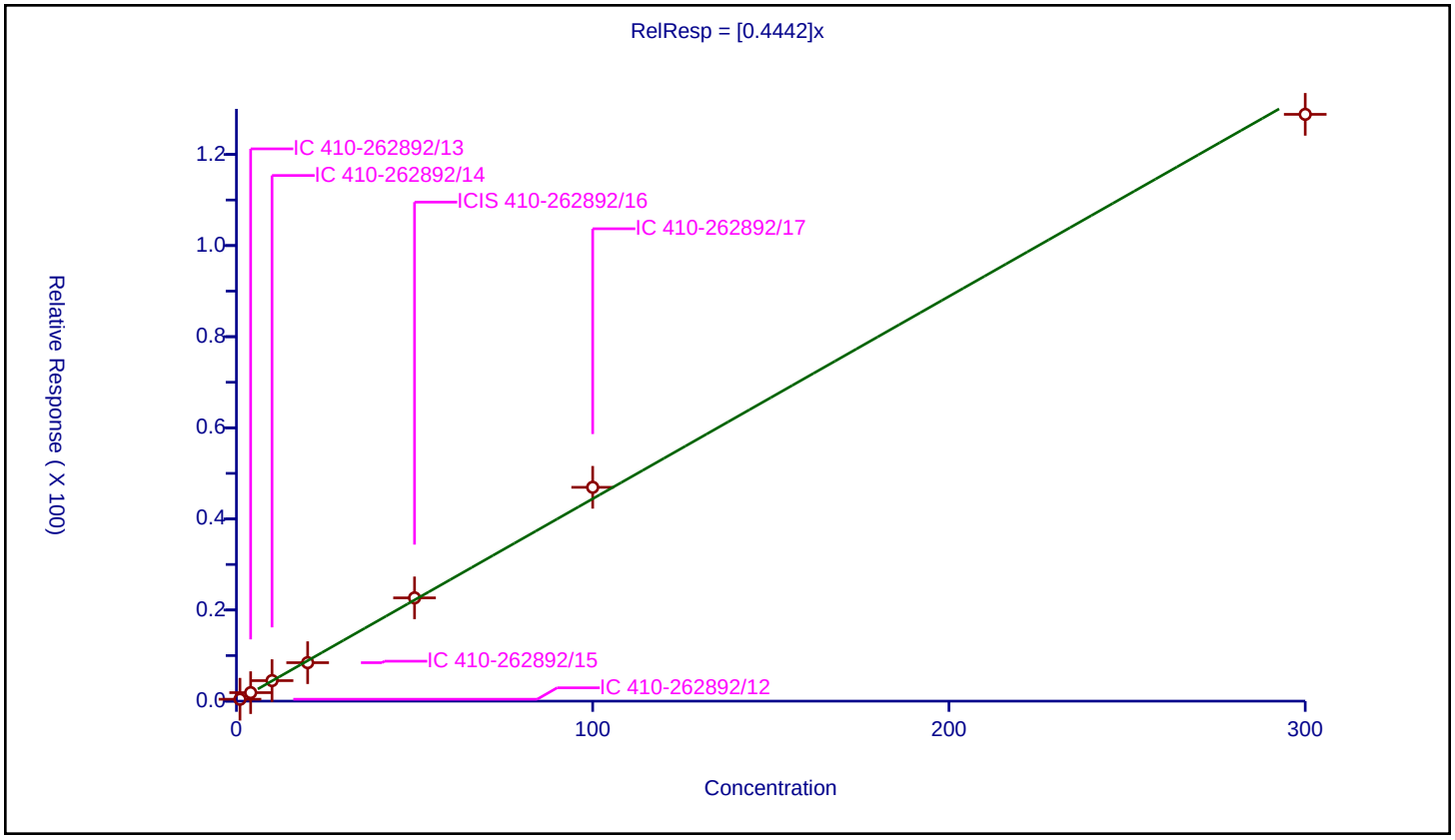
Curve Coefficients

Intercept:	0
Slope:	0.4442

Error Coefficients

Standard Error:	833000
Relative Standard Error:	4.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.417727	50.0	696627.0	0.417727	Y
2	IC 410-262892/13	4.0	1.866935	50.0	715424.0	0.466734	Y
3	IC 410-262892/14	10.0	4.50493	50.0	725483.0	0.450493	Y
4	IC 410-262892/15	20.0	8.444353	50.0	726675.0	0.422218	Y
5	ICIS 410-262892/16	50.0	22.667585	50.0	753243.0	0.453352	Y
6	IC 410-262892/17	100.0	46.934664	50.0	759884.0	0.469347	Y
7	IC 410-262892/18	300.0	128.799521	50.0	728434.0	0.429332	Y



Calibration / Acrolein

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

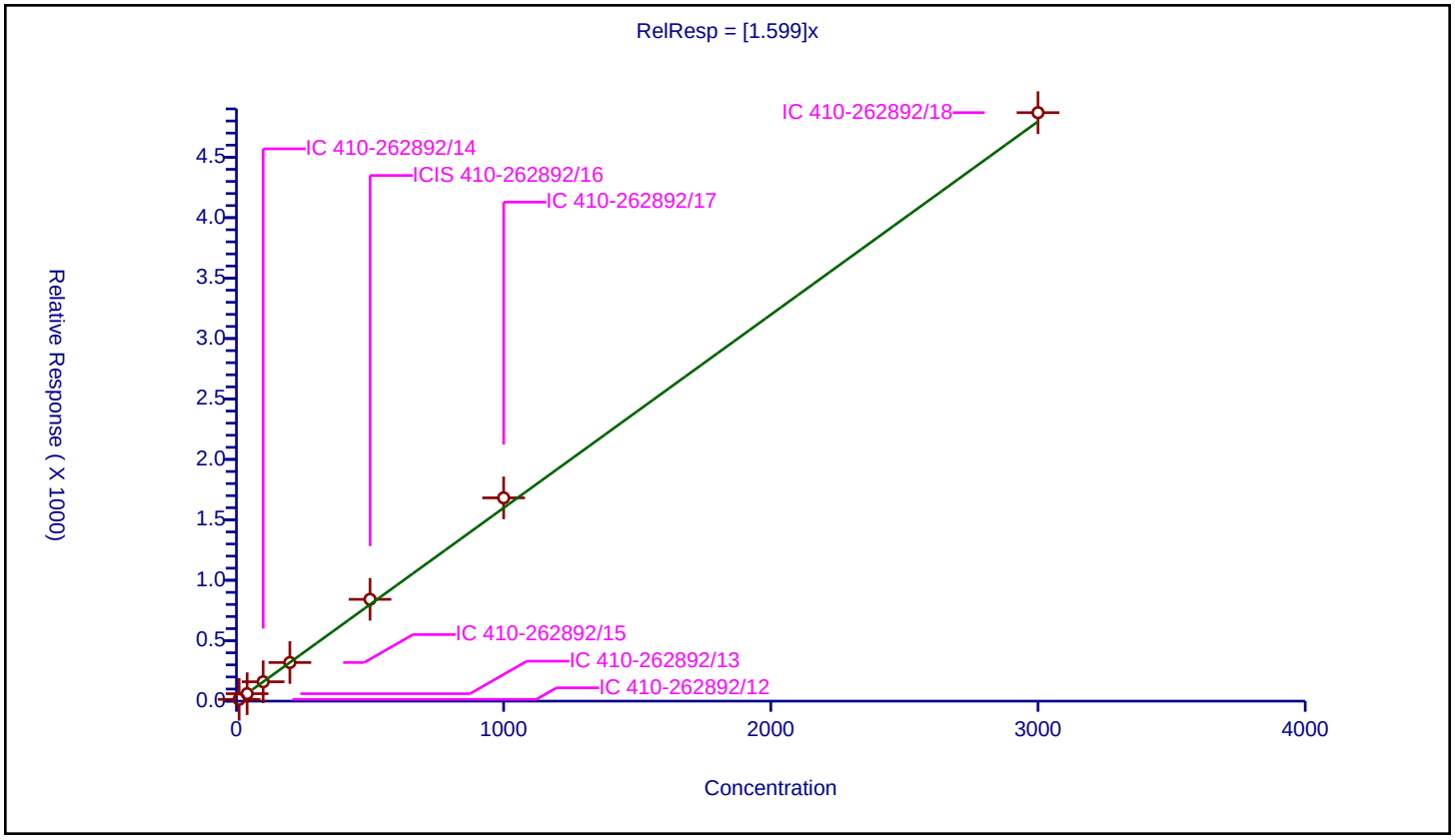
Curve Coefficients

Intercept:	0
Slope:	1.599

Error Coefficients

Standard Error:	2860000
Relative Standard Error:	4.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	10.000019	14.597343	250.0	335335.0	1.459732	Y
2	IC 410-262892/13	40.000074	61.668926	250.0	336312.0	1.54172	Y
3	IC 410-262892/14	100.000185	160.217349	250.0	352337.0	1.602171	Y
4	IC 410-262892/15	200.00037	319.380372	250.0	356149.0	1.596899	Y
5	ICIS 410-262892/16	500.000926	842.389662	250.0	360733.0	1.684776	Y
6	IC 410-262892/17	1000.001852	1681.89797	250.0	363462.0	1.681895	Y
7	IC 410-262892/18	3000.005555	4868.9327	250.0	330563.0	1.622975	Y



Calibration / 1,1-Dichloroethene

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

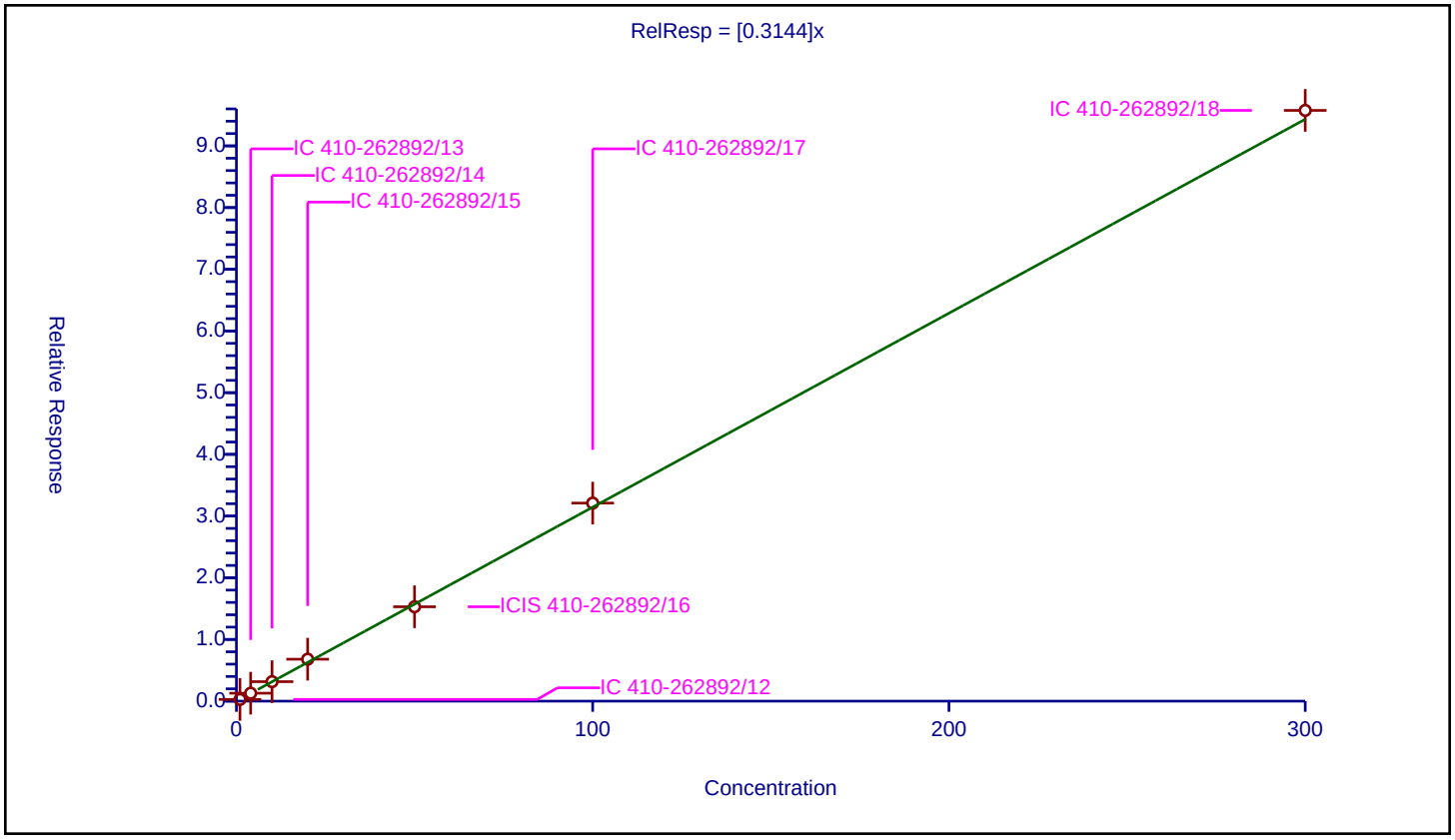
Curve Coefficients

Intercept:	0
Slope:	0.3144

Error Coefficients

Standard Error:	612000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.277552	50.0	696627.0	0.277552	Y
2	IC 410-262892/13	4.0	1.286859	50.0	715424.0	0.321715	Y
3	IC 410-262892/14	10.0	3.15638	50.0	725483.0	0.315638	Y
4	IC 410-262892/15	20.0	6.795473	50.0	726675.0	0.339774	Y
5	ICIS 410-262892/16	50.0	15.299777	50.0	753243.0	0.305996	Y
6	IC 410-262892/17	100.0	32.100426	50.0	759884.0	0.321004	Y
7	IC 410-262892/18	300.0	95.751914	50.0	728434.0	0.319173	Y



Calibration / Acetone

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

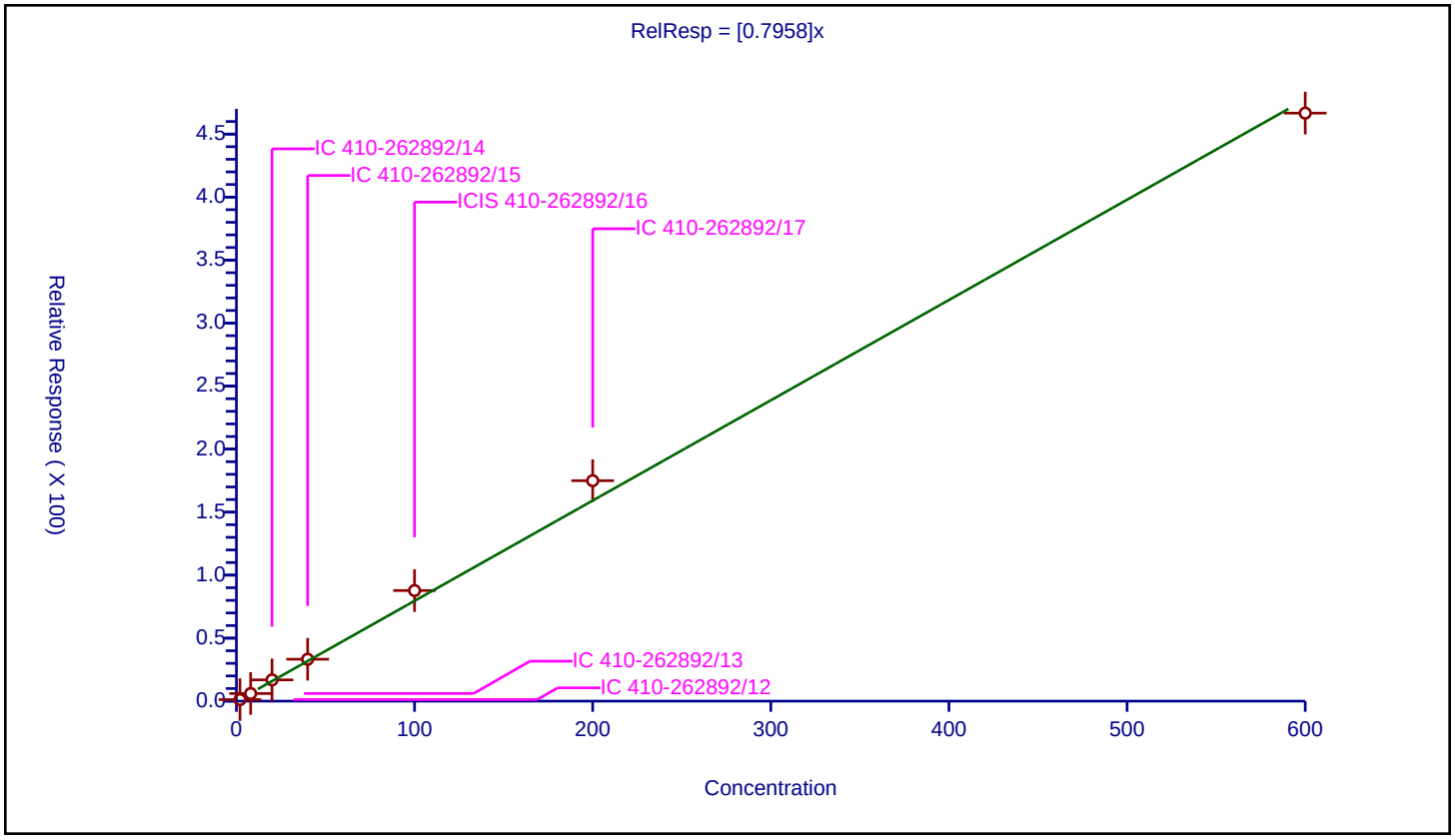
Curve Coefficients

Intercept:	0
Slope:	0.7958

Error Coefficients

Standard Error:	278000
Relative Standard Error:	11.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	2.0	1.217439	250.0	335335.0	0.60872	Y
2	IC 410-262892/13	8.0	6.058362	250.0	336312.0	0.757295	Y
3	IC 410-262892/14	20.0	16.869503	250.0	352337.0	0.843475	Y
4	IC 410-262892/15	40.0	33.251532	250.0	356149.0	0.831288	Y
5	ICIS 410-262892/16	100.0	87.758813	250.0	360733.0	0.877588	Y
6	IC 410-262892/17	200.0	174.94745	250.0	363462.0	0.874737	Y
7	IC 410-262892/18	600.0	466.642516	250.0	330563.0	0.777738	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

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

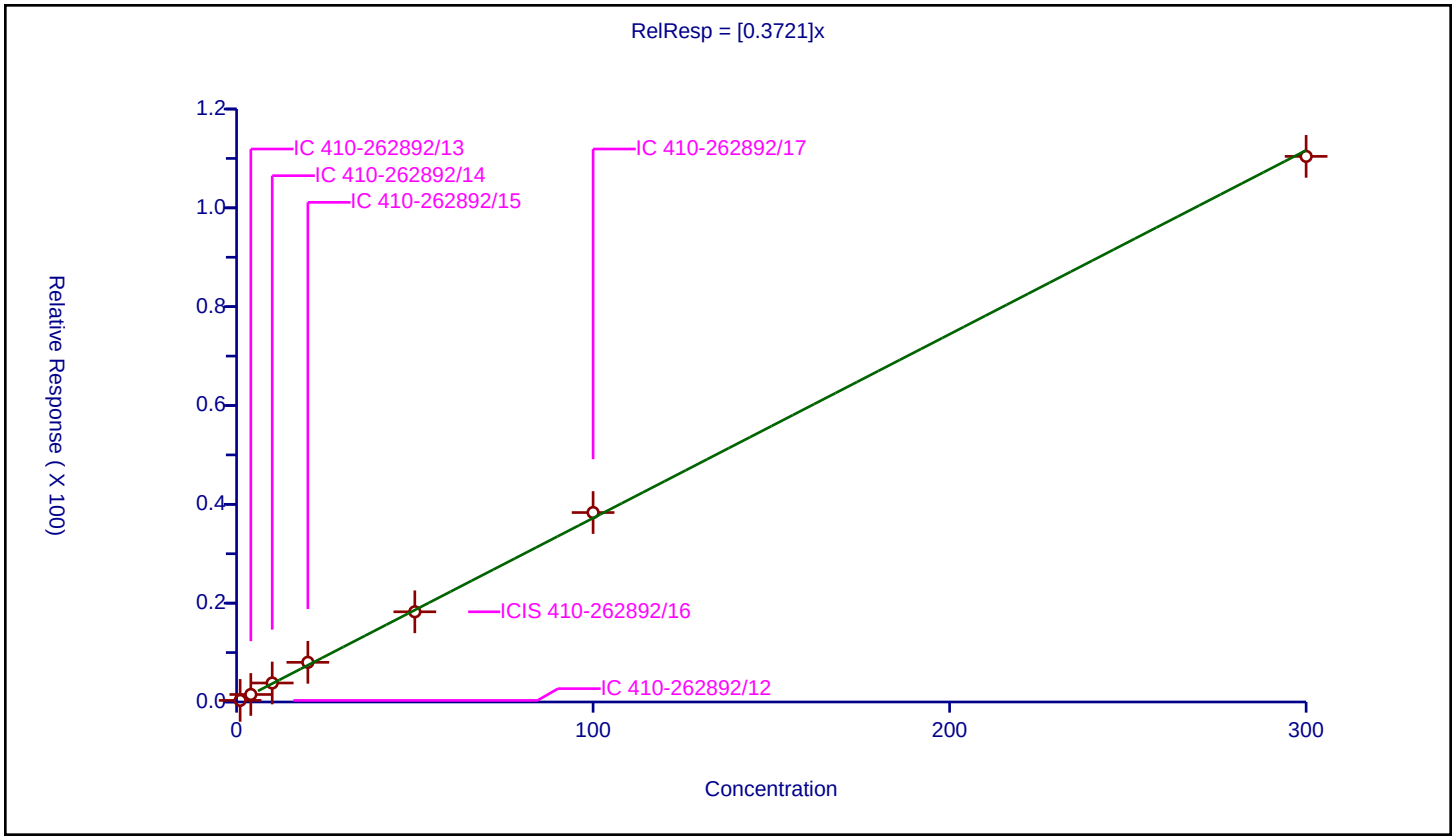
Curve Coefficients

Intercept:	0
Slope:	0.3721

Error Coefficients

Standard Error:	709000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.322339	50.0	696627.0	0.322339	Y
2	IC 410-262892/13	4.0	1.520916	50.0	715424.0	0.380229	Y
3	IC 410-262892/14	10.0	3.843784	50.0	725483.0	0.384378	Y
4	IC 410-262892/15	20.0	8.028692	50.0	726675.0	0.401435	Y
5	ICIS 410-262892/16	50.0	18.254866	50.0	753243.0	0.365097	Y
6	IC 410-262892/17	100.0	38.340457	50.0	759884.0	0.383405	Y
7	IC 410-262892/18	300.0	110.415769	50.0	728434.0	0.368053	Y



Calibration / Isopropyl alcohol

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

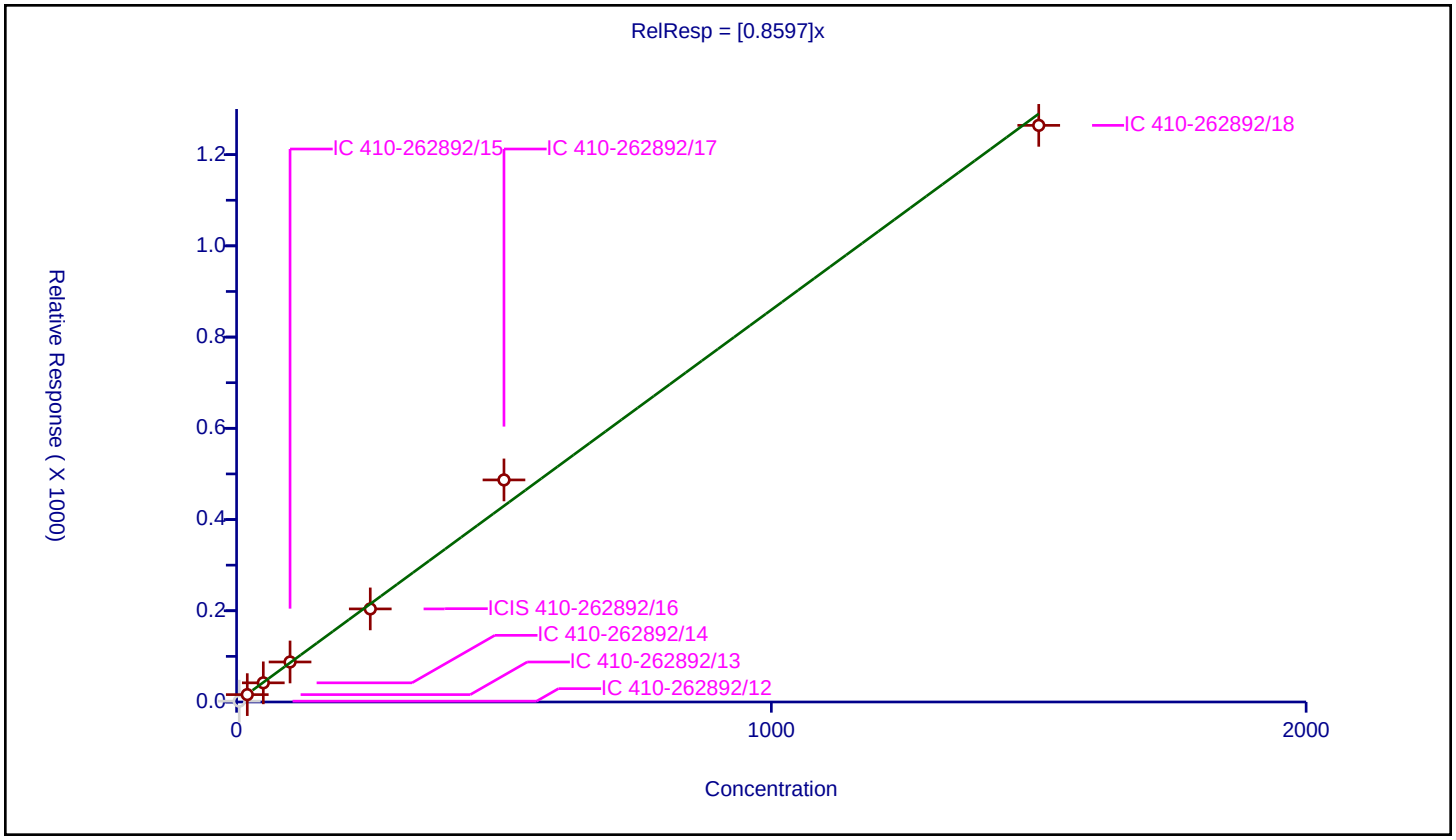
Curve Coefficients

Intercept:	0
Slope:	0.8597

Error Coefficients

Standard Error:	824000
Relative Standard Error:	7.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	5.0	1.836969	250.0	335335.0	0.367394	N
2	IC 410-262892/13	20.0	16.163562	250.0	336312.0	0.808178	Y
3	IC 410-262892/14	50.0	42.010916	250.0	352337.0	0.840218	Y
4	IC 410-262892/15	100.0	87.709077	250.0	356149.0	0.877091	Y
5	ICIS 410-262892/16	250.0	204.042186	250.0	360733.0	0.816169	Y
6	IC 410-262892/17	500.0	486.834937	250.0	363462.0	0.97367	Y
7	IC 410-262892/18	1500.0	1264.133463	250.0	330563.0	0.842756	Y



Calibration / Iodomethane

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

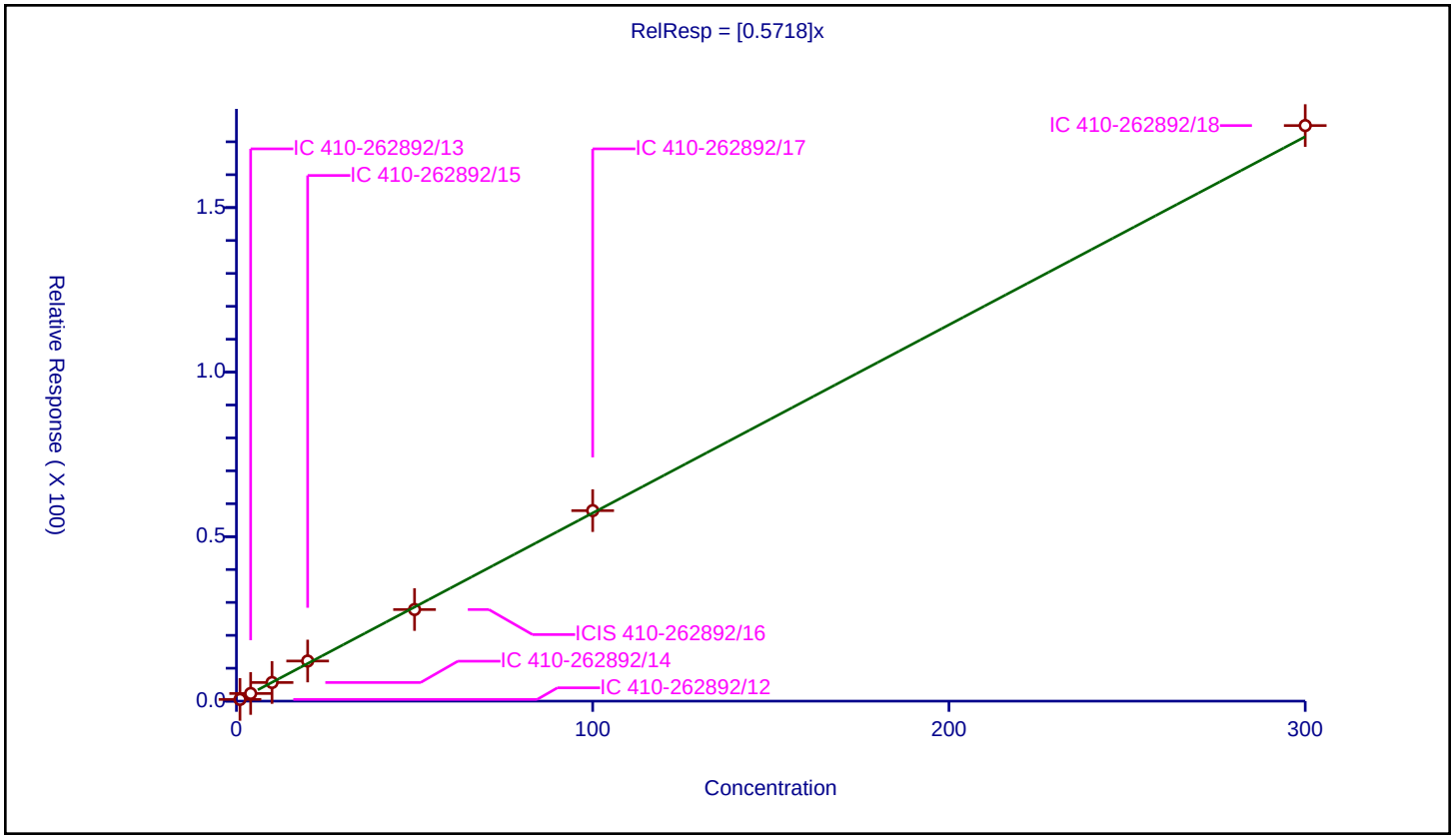
Curve Coefficients

Intercept:	0
Slope:	0.5718

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.525389	50.0	696627.0	0.525389	Y
2	IC 410-262892/13	4.0	2.329528	50.0	715424.0	0.582382	Y
3	IC 410-262892/14	10.0	5.663813	50.0	725483.0	0.566381	Y
4	IC 410-262892/15	20.0	12.195273	50.0	726675.0	0.609764	Y
5	ICIS 410-262892/16	50.0	27.84294	50.0	753243.0	0.556859	Y
6	IC 410-262892/17	100.0	57.905944	50.0	759884.0	0.579059	Y
7	IC 410-262892/18	300.0	174.933831	50.0	728434.0	0.583113	Y



Calibration / Carbon disulfide

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

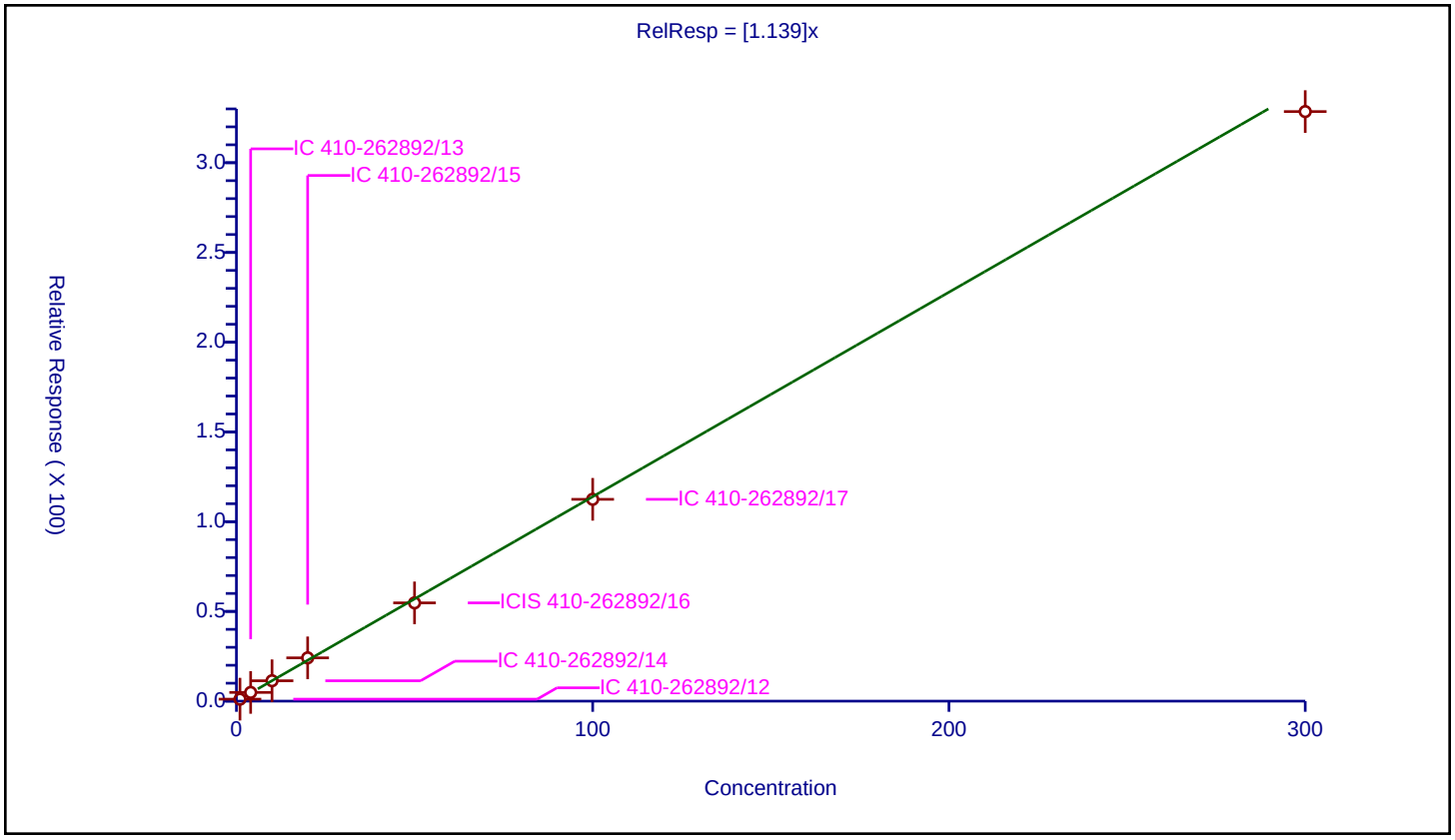
Curve Coefficients

Intercept:	0
Slope:	1.139

Error Coefficients

Standard Error:	2110000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.10267	50.0	696627.0	1.10267	Y
2	IC 410-262892/13	4.0	4.860265	50.0	715424.0	1.215066	Y
3	IC 410-262892/14	10.0	11.364498	50.0	725483.0	1.13645	Y
4	IC 410-262892/15	20.0	24.12282	50.0	726675.0	1.206141	Y
5	ICIS 410-262892/16	50.0	54.754575	50.0	753243.0	1.095091	Y
6	IC 410-262892/17	100.0	112.454204	50.0	759884.0	1.124542	Y
7	IC 410-262892/18	300.0	328.493728	50.0	728434.0	1.094979	Y



Calibration / Methyl acetate

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

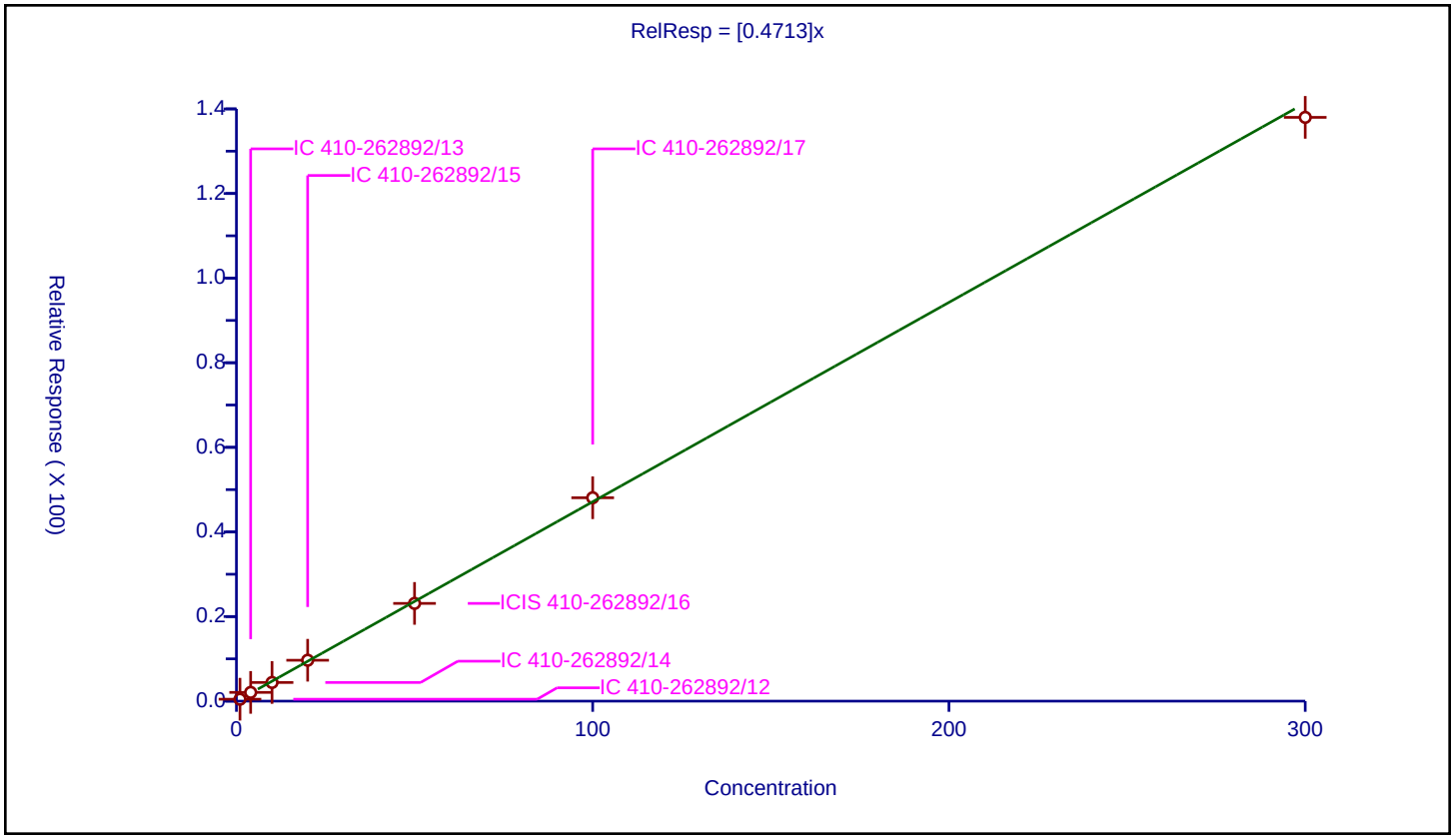
Curve Coefficients

Intercept:	0
Slope:	0.4713

Error Coefficients

Standard Error:	887000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.45548	50.0	696627.0	0.45548	Y
2	IC 410-262892/13	4.0	2.065558	50.0	715424.0	0.51639	Y
3	IC 410-262892/14	10.0	4.409614	50.0	725483.0	0.440961	Y
4	IC 410-262892/15	20.0	9.667802	50.0	726675.0	0.48339	Y
5	ICIS 410-262892/16	50.0	23.100779	50.0	753243.0	0.462016	Y
6	IC 410-262892/17	100.0	48.07668	50.0	759884.0	0.480767	Y
7	IC 410-262892/18	300.0	138.000835	50.0	728434.0	0.460003	Y



Calibration / 3-Chloro-1-propene

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

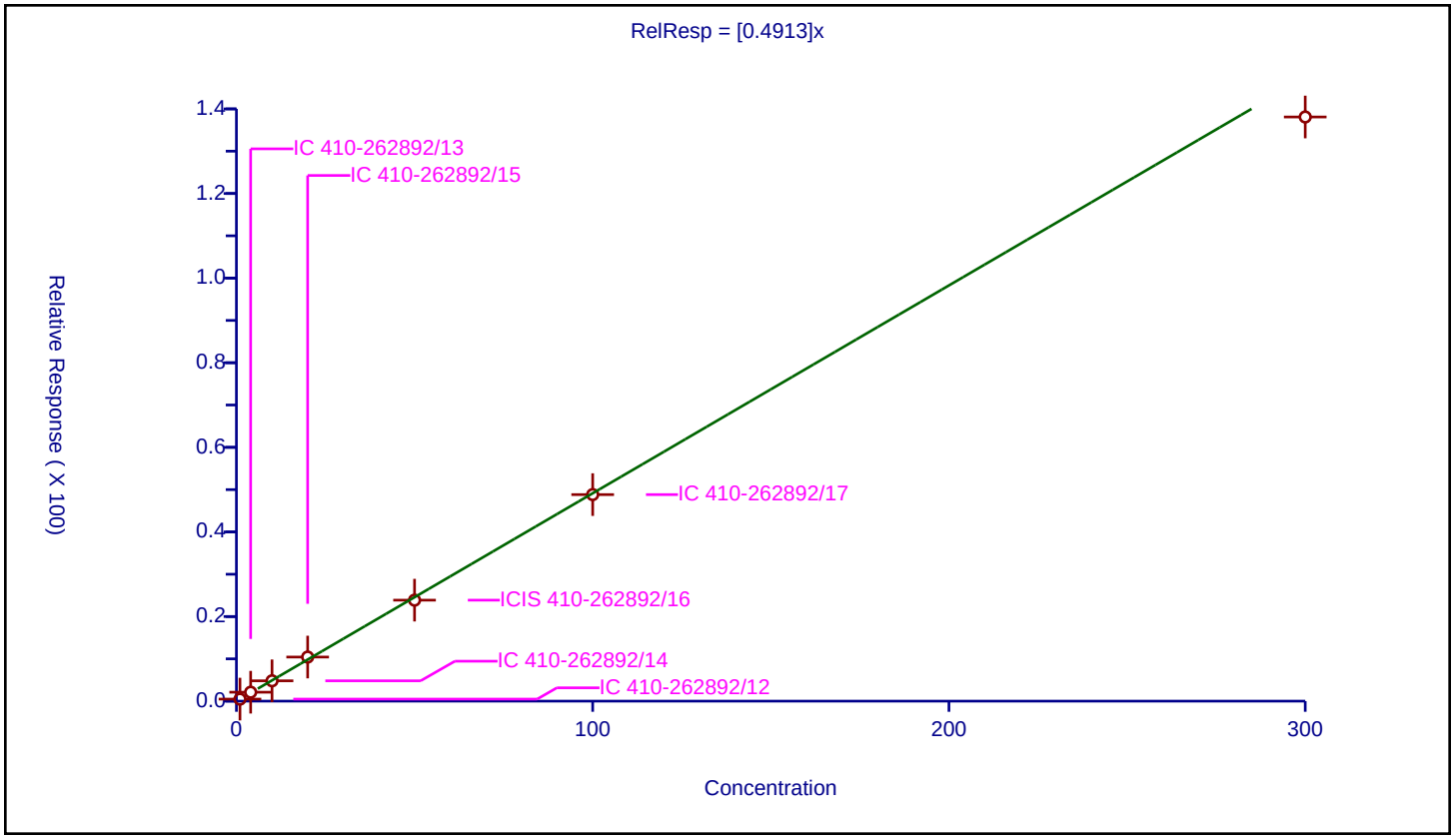
Curve Coefficients

Intercept:	0
Slope:	0.4913

Error Coefficients

Standard Error:	890000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.483473	50.0	696627.0	0.483473	Y
2	IC 410-262892/13	4.0	2.113712	50.0	715424.0	0.528428	Y
3	IC 410-262892/14	10.0	4.804454	50.0	725483.0	0.480445	Y
4	IC 410-262892/15	20.0	10.423367	50.0	726675.0	0.521168	Y
5	ICIS 410-262892/16	50.0	23.868526	50.0	753243.0	0.477371	Y
6	IC 410-262892/17	100.0	48.824294	50.0	759884.0	0.488243	Y
7	IC 410-262892/18	300.0	138.083066	50.0	728434.0	0.460277	Y



Calibration / Methylene Chloride

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

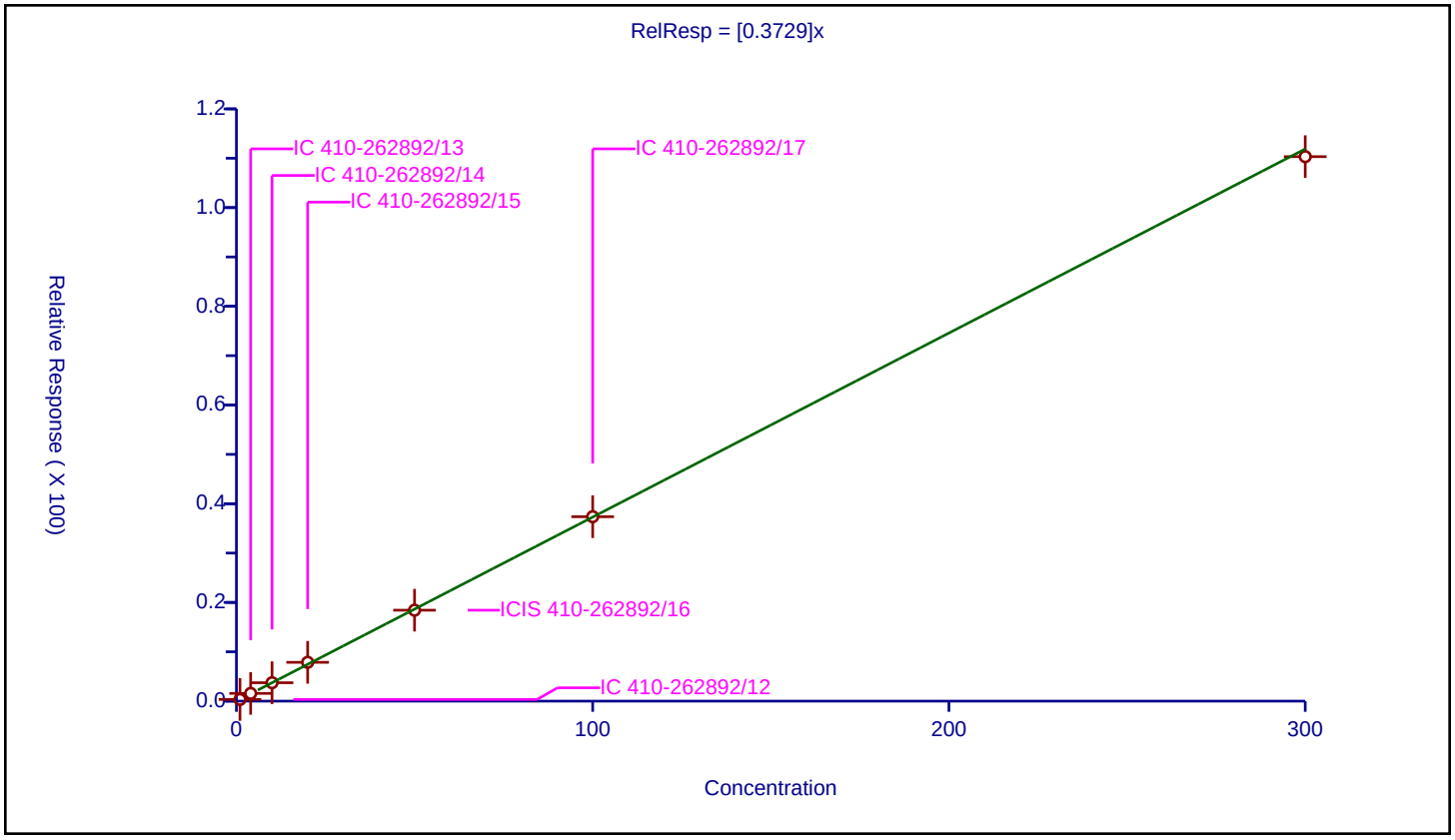
Curve Coefficients

Intercept:	0
Slope:	0.3729

Error Coefficients

Standard Error:	707000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.34222	50.0	696627.0	0.34222	Y
2	IC 410-262892/13	4.0	1.56858	50.0	715424.0	0.392145	Y
3	IC 410-262892/14	10.0	3.729171	50.0	725483.0	0.372917	Y
4	IC 410-262892/15	20.0	7.862937	50.0	726675.0	0.393147	Y
5	ICIS 410-262892/16	50.0	18.426922	50.0	753243.0	0.368538	Y
6	IC 410-262892/17	100.0	37.369849	50.0	759884.0	0.373698	Y
7	IC 410-262892/18	300.0	110.325163	50.0	728434.0	0.367751	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

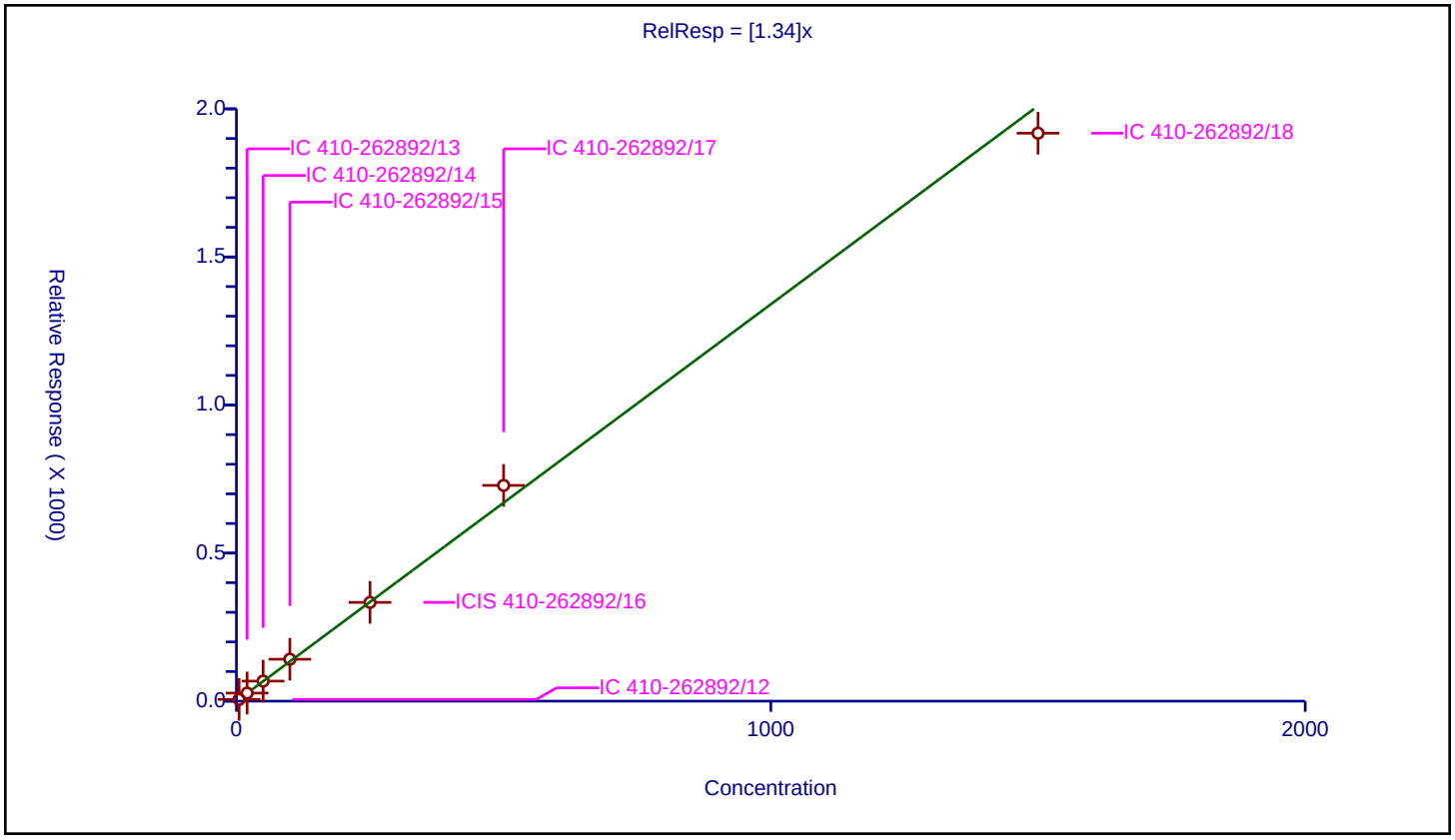
Curve Coefficients

Intercept:	0
Slope:	1.34

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	6.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	5.0	5.872486	250.0	335335.0	1.174497	Y
2	IC 410-262892/13	20.0	27.34217	250.0	336312.0	1.367109	Y
3	IC 410-262892/14	50.0	67.694423	250.0	352337.0	1.353888	Y
4	IC 410-262892/15	100.0	141.566451	250.0	356149.0	1.415665	Y
5	ICIS 410-262892/16	250.0	333.430127	250.0	360733.0	1.333721	Y
6	IC 410-262892/17	500.0	728.533519	250.0	363462.0	1.457067	Y
7	IC 410-262892/18	1500.0	1917.853783	250.0	330563.0	1.278569	Y



Calibration / Acrylonitrile

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

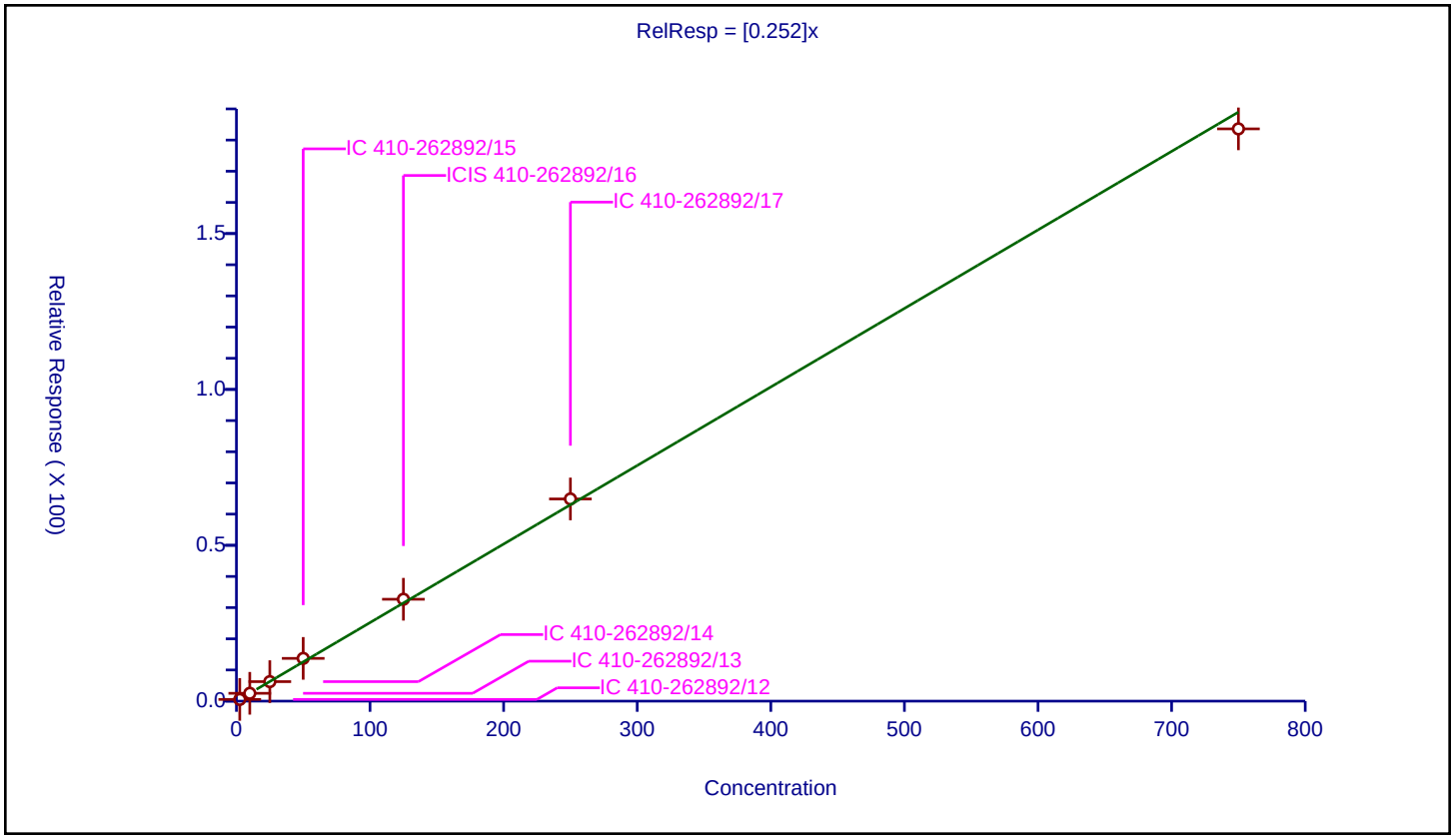
Curve Coefficients

Intercept:	0
Slope:	0.252

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	2.5	0.554816	50.0	696627.0	0.221927	Y
2	IC 410-262892/13	10.0	2.512426	50.0	715424.0	0.251243	Y
3	IC 410-262892/14	25.0	6.259899	50.0	725483.0	0.250396	Y
4	IC 410-262892/15	50.0	13.719407	50.0	726675.0	0.274388	Y
5	ICIS 410-262892/16	125.0	32.690247	50.0	753243.0	0.261522	Y
6	IC 410-262892/17	250.0	64.86977	50.0	759884.0	0.259479	Y
7	IC 410-262892/18	750.0	183.591444	50.0	728434.0	0.244789	Y



Calibration / Methyl tert-butyl ether

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

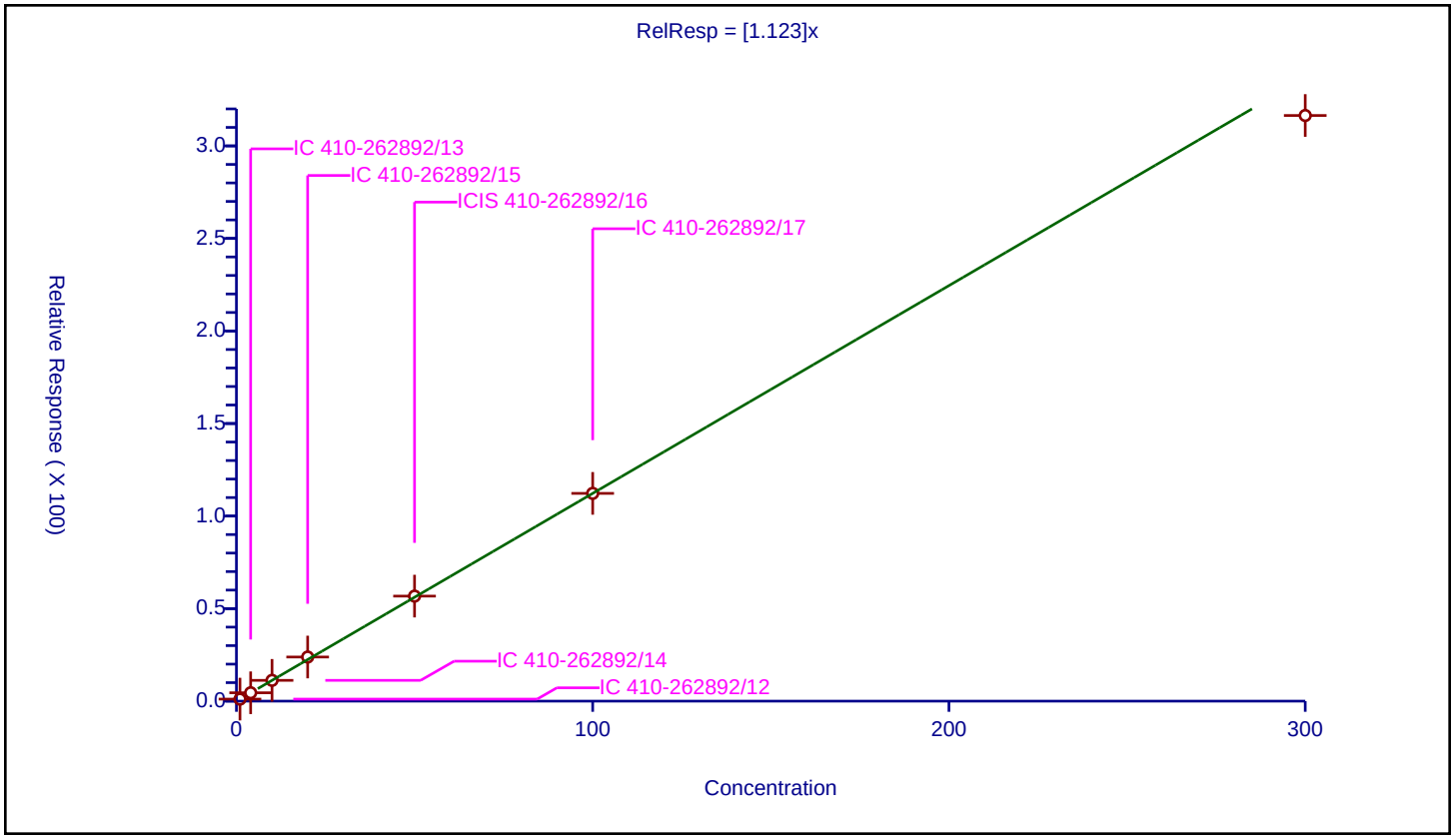
Curve Coefficients

Intercept:	0
Slope:	1.123

Error Coefficients

Standard Error:	2040000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.098579	50.0	696627.0	1.098579	Y
2	IC 410-262892/13	4.0	4.532417	50.0	715424.0	1.133104	Y
3	IC 410-262892/14	10.0	11.225005	50.0	725483.0	1.1225	Y
4	IC 410-262892/15	20.0	23.832456	50.0	726675.0	1.191623	Y
5	ICIS 410-262892/16	50.0	56.747491	50.0	753243.0	1.13495	Y
6	IC 410-262892/17	100.0	112.259305	50.0	759884.0	1.122593	Y
7	IC 410-262892/18	300.0	316.427501	50.0	728434.0	1.054758	Y



Calibration / trans-1,2-Dichloroethene

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

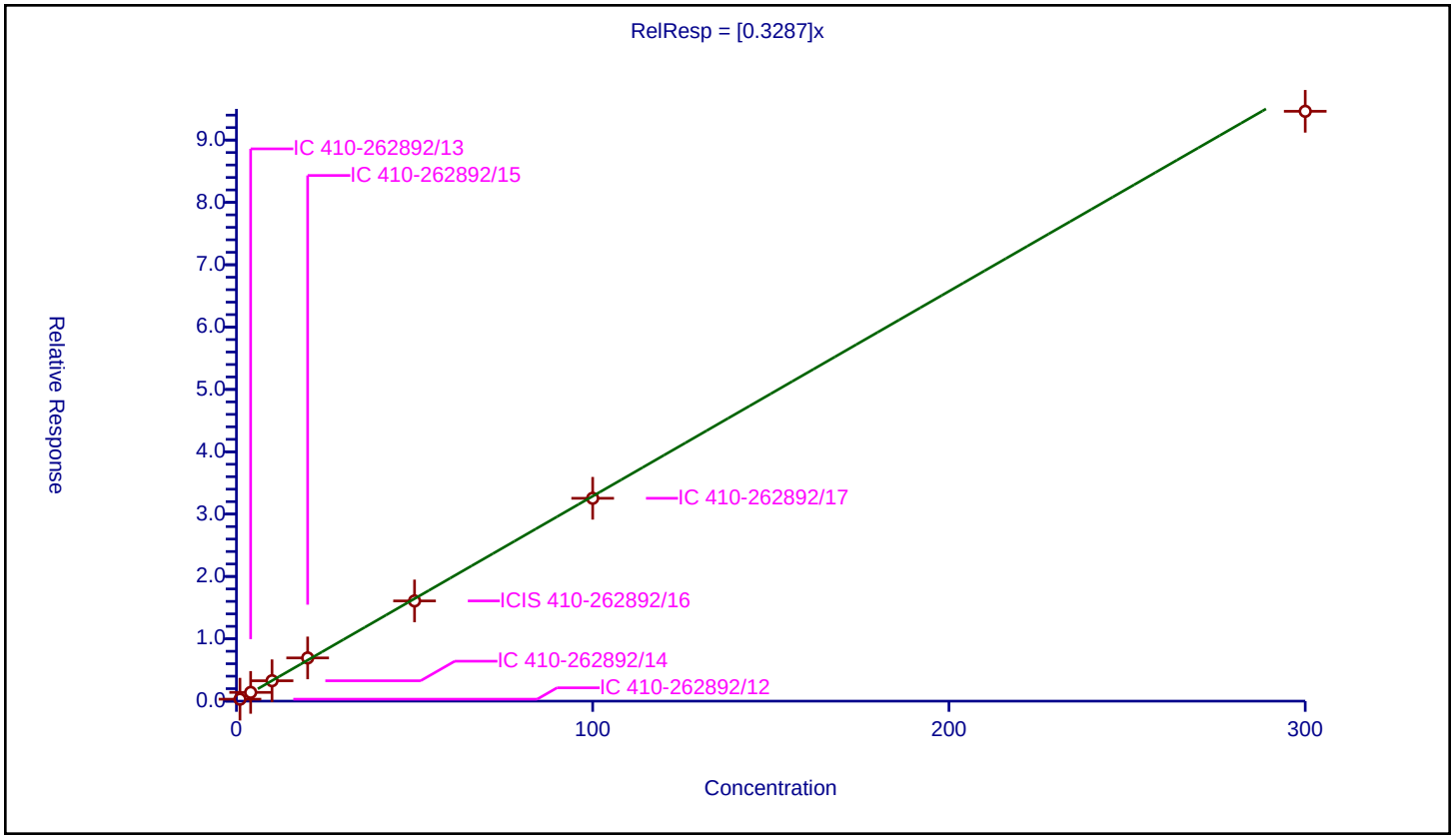
Curve Coefficients

Intercept:	0
Slope:	0.3287

Error Coefficients

Standard Error:	608000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.314157	50.0	696627.0	0.314157	Y
2	IC 410-262892/13	4.0	1.403084	50.0	715424.0	0.350771	Y
3	IC 410-262892/14	10.0	3.272165	50.0	725483.0	0.327216	Y
4	IC 410-262892/15	20.0	6.933774	50.0	726675.0	0.346689	Y
5	ICIS 410-262892/16	50.0	16.072702	50.0	753243.0	0.321454	Y
6	IC 410-262892/17	100.0	32.539835	50.0	759884.0	0.325398	Y
7	IC 410-262892/18	300.0	94.614886	50.0	728434.0	0.315383	Y



Calibration / Hexane

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

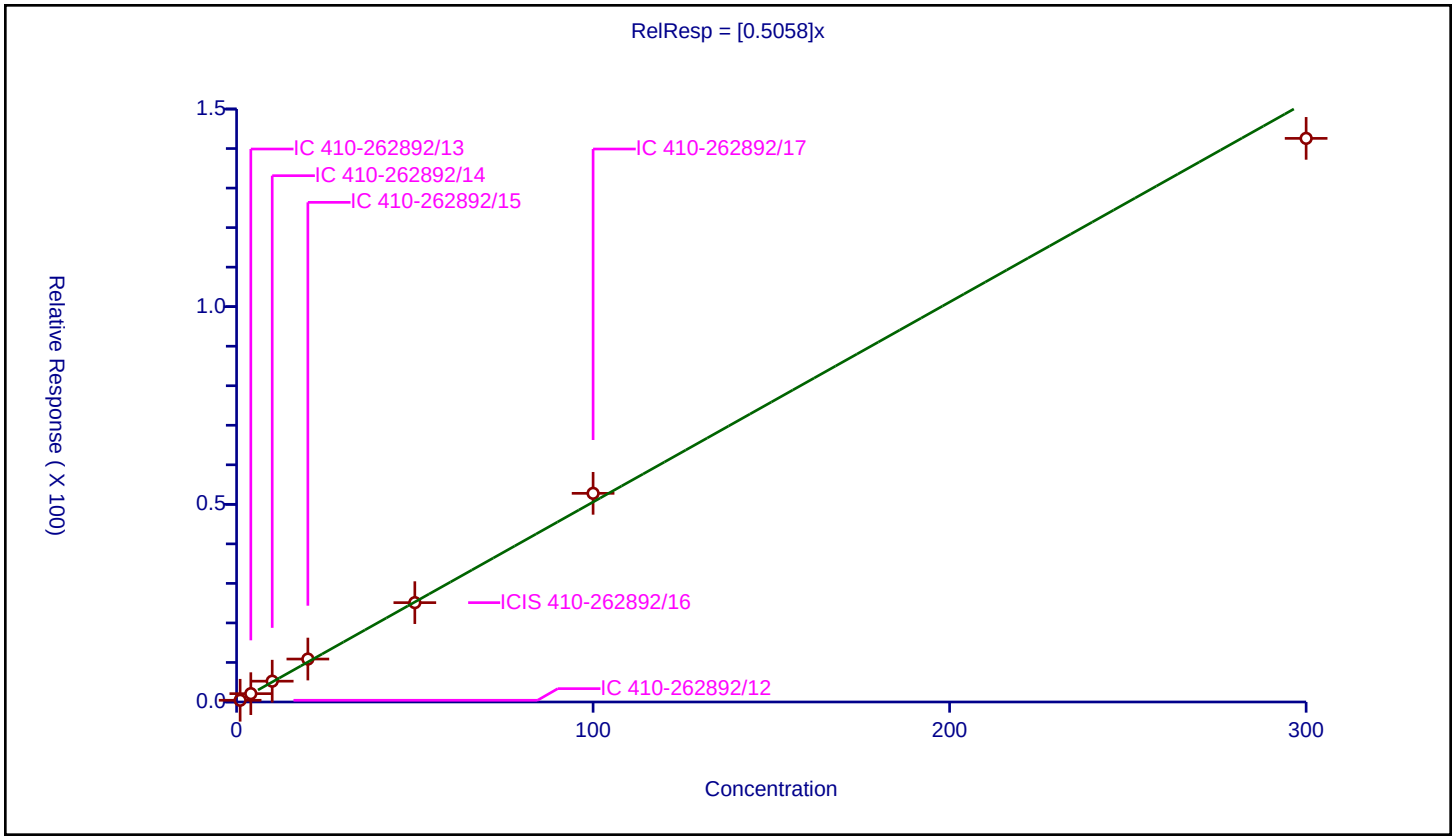
Curve Coefficients

Intercept:	0
Slope:	0.5058

Error Coefficients

Standard Error:	925000
Relative Standard Error:	7.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.437752	50.0	696627.0	0.437752	Y
2	IC 410-262892/13	4.0	2.111056	50.0	715424.0	0.527764	Y
3	IC 410-262892/14	10.0	5.264493	50.0	725483.0	0.526449	Y
4	IC 410-262892/15	20.0	10.860701	50.0	726675.0	0.543035	Y
5	ICIS 410-262892/16	50.0	25.129938	50.0	753243.0	0.502599	Y
6	IC 410-262892/17	100.0	52.779766	50.0	759884.0	0.527798	Y
7	IC 410-262892/18	300.0	142.573383	50.0	728434.0	0.475245	Y



Calibration / 1,1-Dichloroethane

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

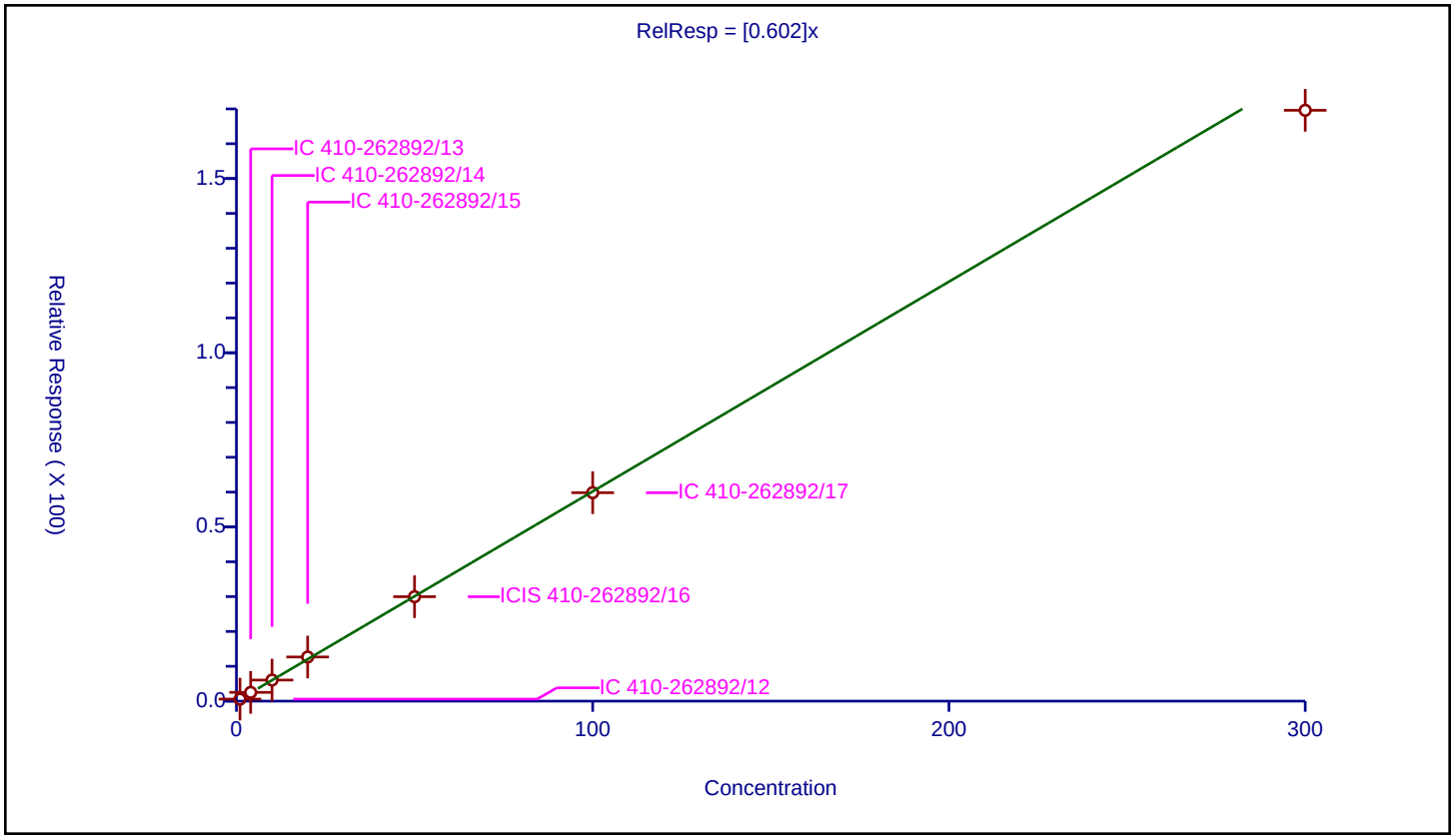
Curve Coefficients

Intercept:	0
Slope:	0.602

Error Coefficients

Standard Error:	1090000
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 410-262892/12	1.0	0.581947	50.0	696627.0	0.581947	Y
2	IC 410-262892/13	4.0	2.520883	50.0	715424.0	0.630221	Y
3	IC 410-262892/14	10.0	6.050245	50.0	725483.0	0.605025	Y
4	IC 410-262892/15	20.0	12.670933	50.0	726675.0	0.633547	Y
5	ICIS 410-262892/16	50.0	29.983817	50.0	753243.0	0.599676	Y
6	IC 410-262892/17	100.0	59.834462	50.0	759884.0	0.598345	Y
7	IC 410-262892/18	300.0	169.592853	50.0	728434.0	0.56531	Y



Calibration / Isopropyl ether

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

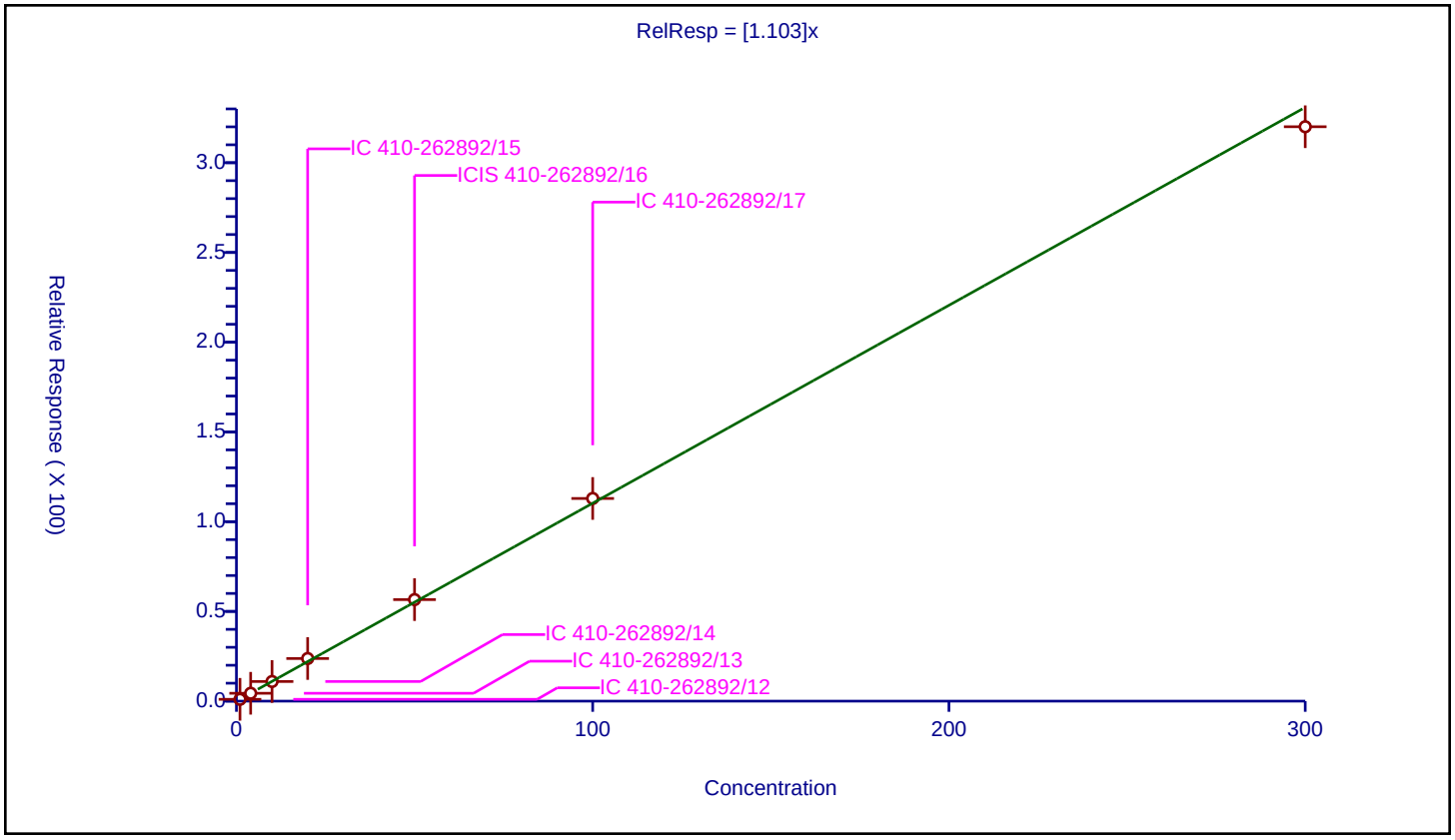
Curve Coefficients

Intercept:	0
Slope:	1.103

Error Coefficients

Standard Error:	2060000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.013168	50.0	696627.0	1.013168	Y
2	IC 410-262892/13	4.0	4.387818	50.0	715424.0	1.096954	Y
3	IC 410-262892/14	10.0	10.940987	50.0	725483.0	1.094099	Y
4	IC 410-262892/15	20.0	23.758145	50.0	726675.0	1.187907	Y
5	ICIS 410-262892/16	50.0	56.58267	50.0	753243.0	1.131653	Y
6	IC 410-262892/17	100.0	112.924407	50.0	759884.0	1.129244	Y
7	IC 410-262892/18	300.0	320.057548	50.0	728434.0	1.066858	Y



Calibration / 2-Chloro-1,3-butadiene

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

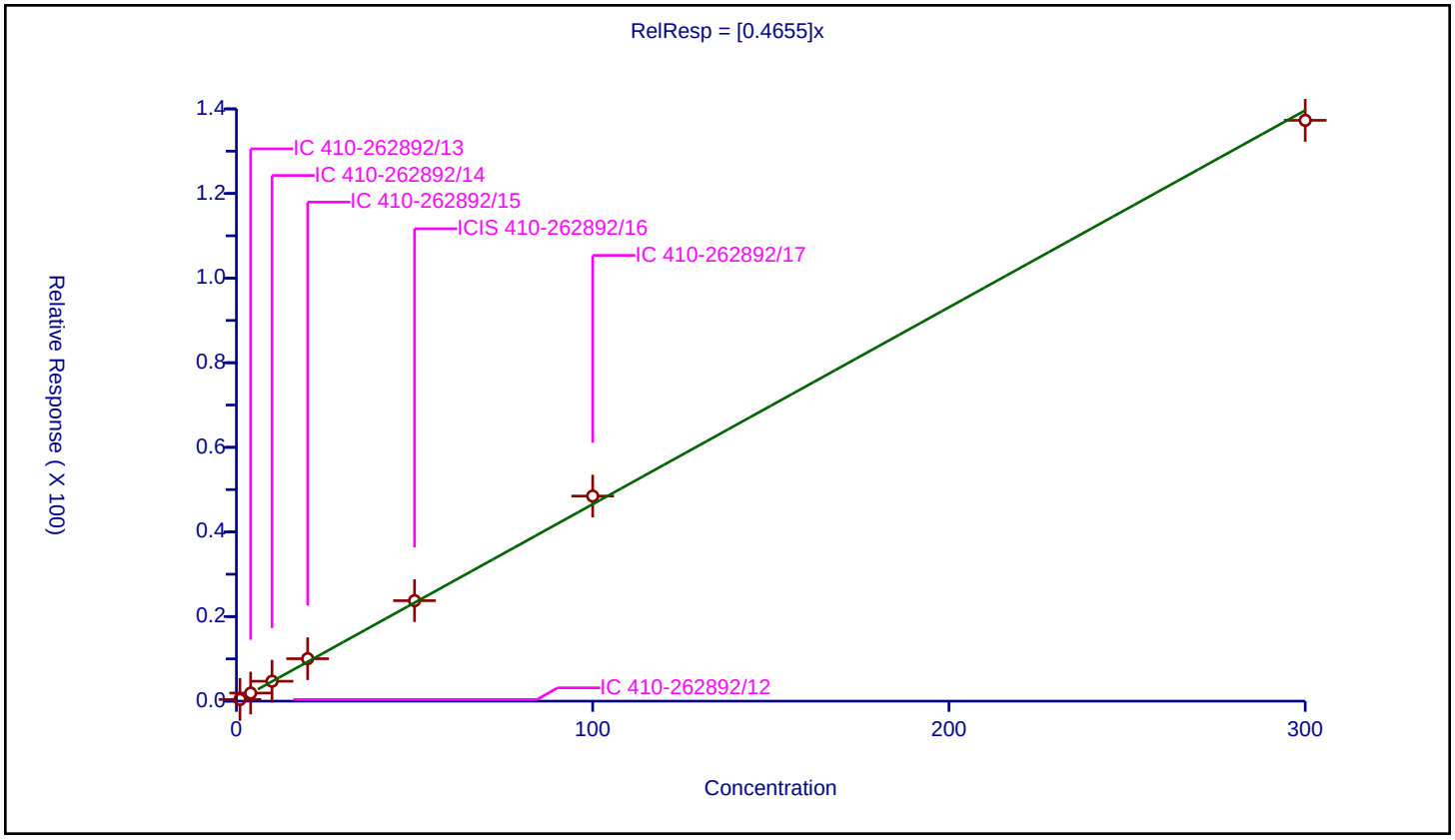
Curve Coefficients

Intercept:	0
Slope:	0.4655

Error Coefficients

Standard Error:	885000
Relative Standard Error:	7.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.391027	50.0	696627.0	0.391027	Y
2	IC 410-262892/13	4.0	1.909287	50.0	715424.0	0.477322	Y
3	IC 410-262892/14	10.0	4.708656	50.0	725483.0	0.470866	Y
4	IC 410-262892/15	20.0	10.035023	50.0	726675.0	0.501751	Y
5	ICIS 410-262892/16	50.0	23.75183	50.0	753243.0	0.475037	Y
6	IC 410-262892/17	100.0	48.477794	50.0	759884.0	0.484778	Y
7	IC 410-262892/18	300.0	137.297957	50.0	728434.0	0.45766	Y



Calibration / Tert-butyl ethyl ether

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

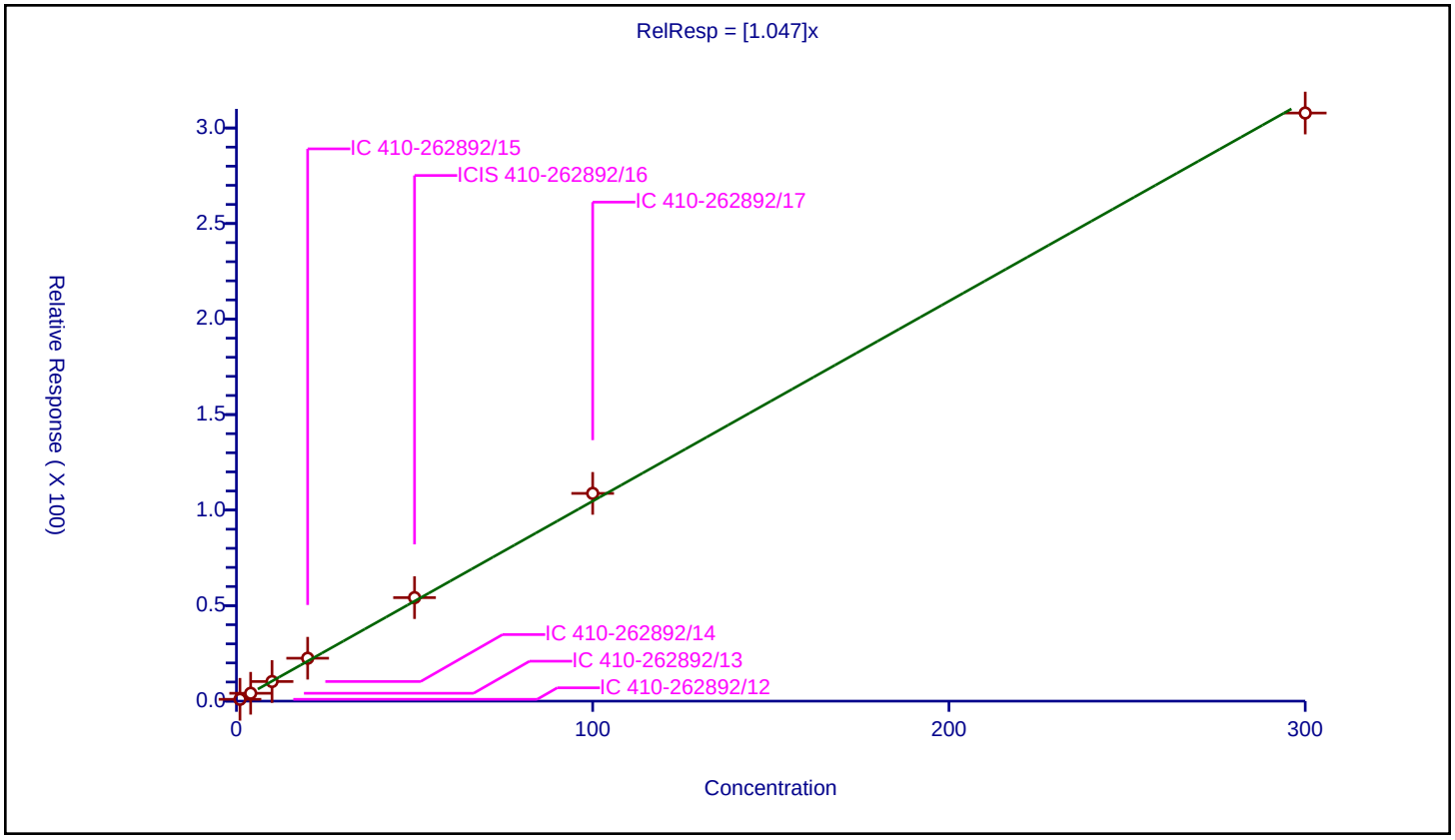
Curve Coefficients

Intercept:	0
Slope:	1.047

Error Coefficients

Standard Error:	1980000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.95058	50.0	696627.0	0.95058	Y
2	IC 410-262892/13	4.0	4.120004	50.0	715424.0	1.030001	Y
3	IC 410-262892/14	10.0	10.268263	50.0	725483.0	1.026826	Y
4	IC 410-262892/15	20.0	22.464582	50.0	726675.0	1.123229	Y
5	ICIS 410-262892/16	50.0	54.175412	50.0	753243.0	1.083508	Y
6	IC 410-262892/17	100.0	108.743177	50.0	759884.0	1.087432	Y
7	IC 410-262892/18	300.0	307.832281	50.0	728434.0	1.026108	Y



Calibration / 2-Butanone (MEK)

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

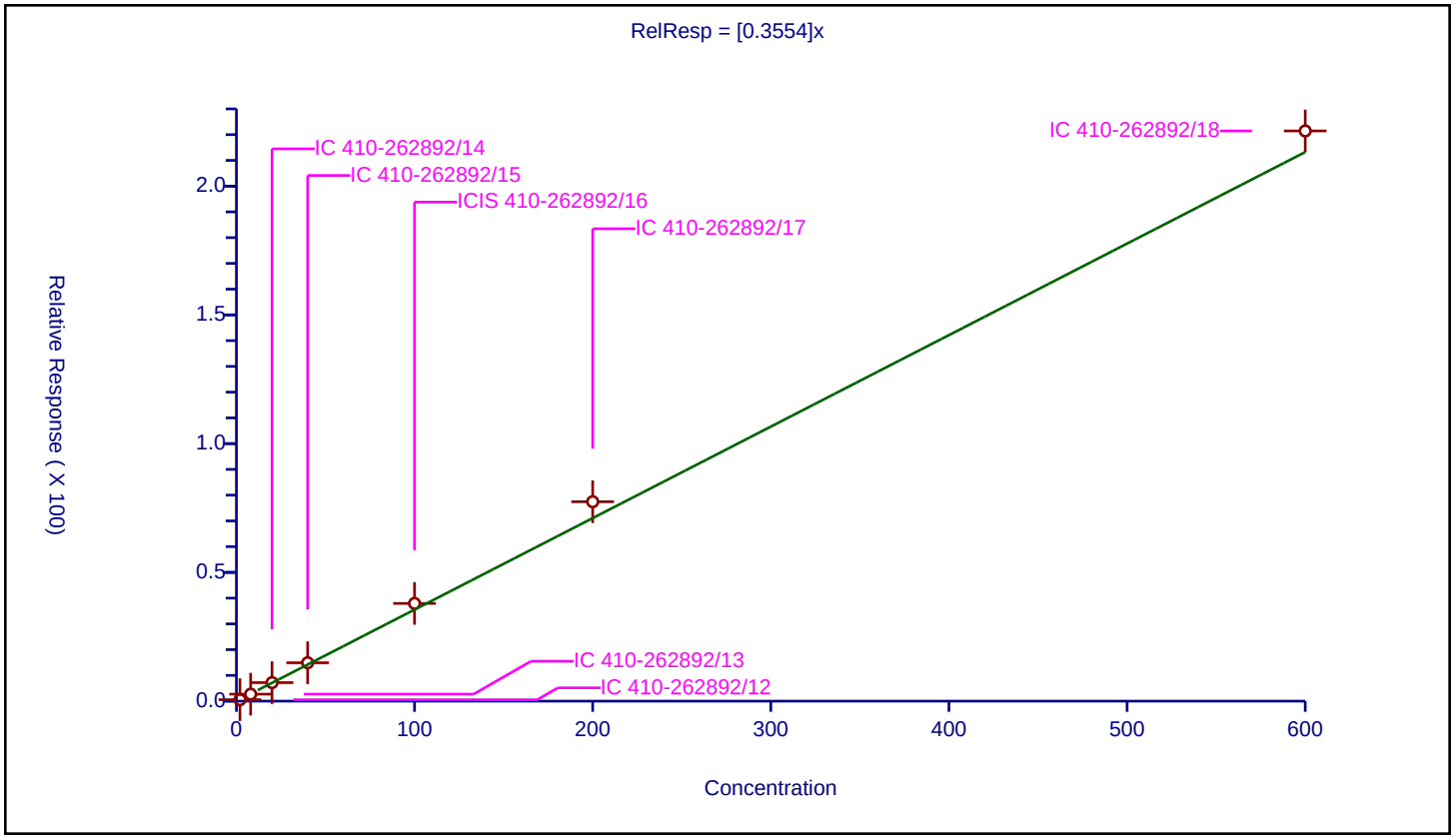
Curve Coefficients

Intercept:	0
Slope:	0.3554

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	10.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	2.0	0.561635	50.0	696627.0	0.280817	Y
2	IC 410-262892/13	8.0	2.71077	50.0	715424.0	0.338846	Y
3	IC 410-262892/14	20.0	7.190451	50.0	725483.0	0.359523	Y
4	IC 410-262892/15	40.0	14.906664	50.0	726675.0	0.372667	Y
5	ICIS 410-262892/16	100.0	37.946851	50.0	753243.0	0.379469	Y
6	IC 410-262892/17	200.0	77.449058	50.0	759884.0	0.387245	Y
7	IC 410-262892/18	600.0	221.431592	50.0	728434.0	0.369053	Y



Calibration / cis-1,2-Dichloroethene

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

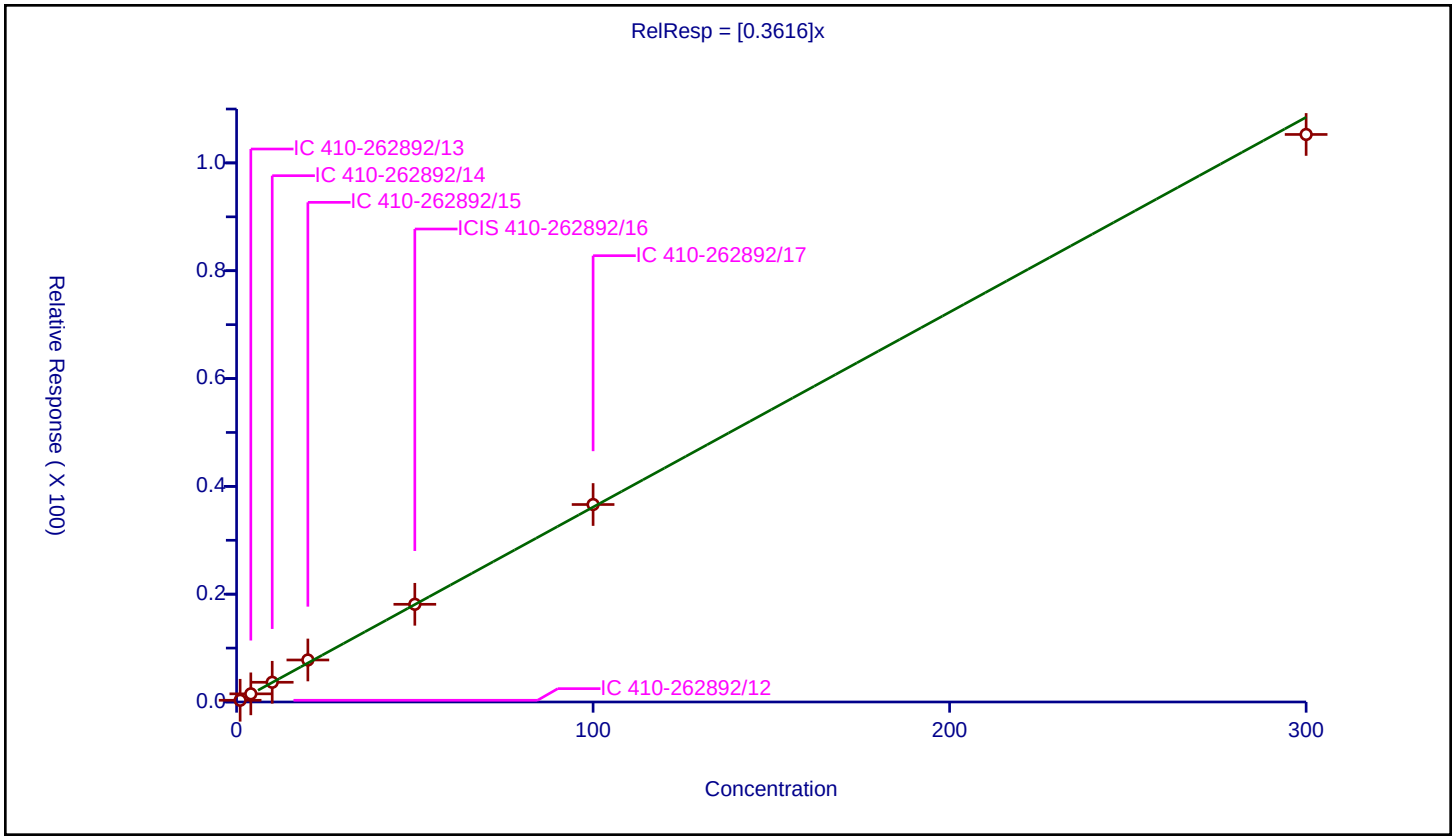
Curve Coefficients

Intercept:	0
Slope:	0.3616

Error Coefficients

Standard Error:	677000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.318032	50.0	696627.0	0.318032	Y
2	IC 410-262892/13	4.0	1.510363	50.0	715424.0	0.377591	Y
3	IC 410-262892/14	10.0	3.658184	50.0	725483.0	0.365818	Y
4	IC 410-262892/15	20.0	7.795163	50.0	726675.0	0.389758	Y
5	ICIS 410-262892/16	50.0	18.123501	50.0	753243.0	0.36247	Y
6	IC 410-262892/17	100.0	36.635065	50.0	759884.0	0.366351	Y
7	IC 410-262892/18	300.0	105.278309	50.0	728434.0	0.350928	Y



Calibration / 2,2-Dichloropropane

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

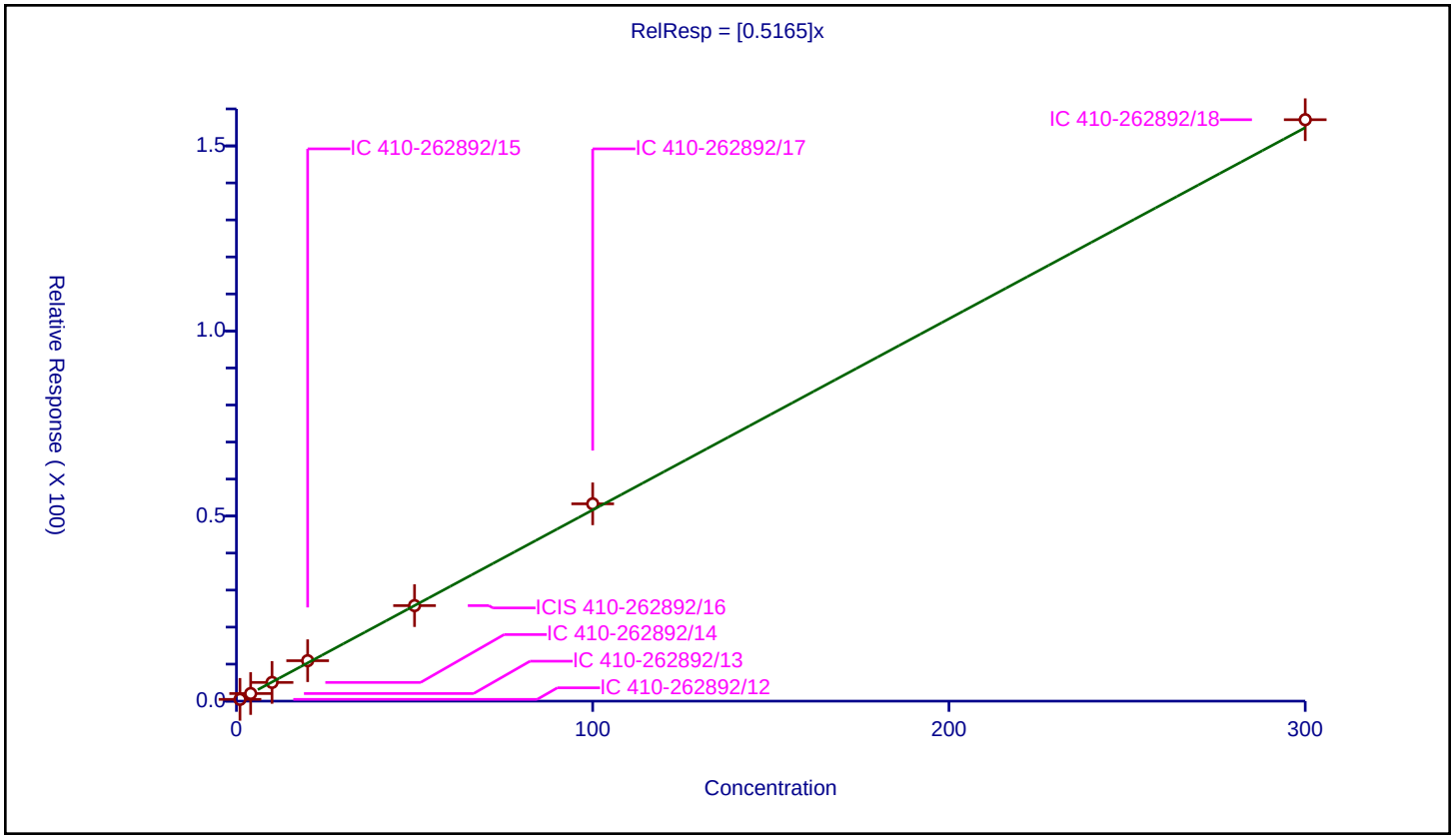
Curve Coefficients

Intercept:	0
Slope:	0.5165

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.477443	50.0	696627.0	0.477443	Y
2	IC 410-262892/13	4.0	2.05207	50.0	715424.0	0.513017	Y
3	IC 410-262892/14	10.0	5.055666	50.0	725483.0	0.505567	Y
4	IC 410-262892/15	20.0	10.928132	50.0	726675.0	0.546407	Y
5	ICIS 410-262892/16	50.0	25.804554	50.0	753243.0	0.516091	Y
6	IC 410-262892/17	100.0	53.303794	50.0	759884.0	0.533038	Y
7	IC 410-262892/18	300.0	157.078747	50.0	728434.0	0.523596	Y



Calibration / Propionitrile

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

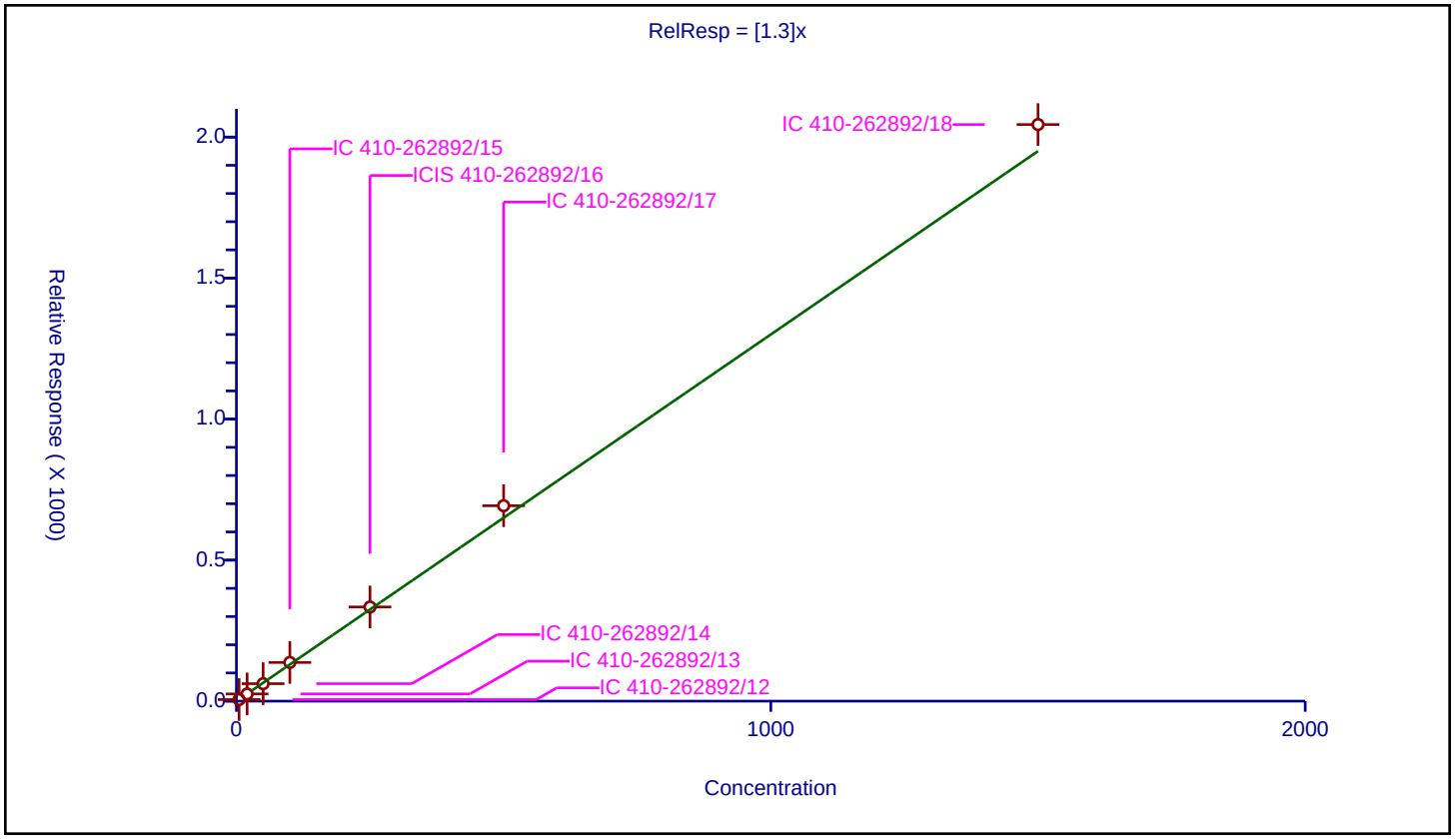
Curve Coefficients

Intercept:	0
Slope:	1.3

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	7.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	5.0	5.648083	250.0	335335.0	1.129617	Y
2	IC 410-262892/13	20.0	25.555883	250.0	336312.0	1.277794	Y
3	IC 410-262892/14	50.0	61.87684	250.0	352337.0	1.237537	Y
4	IC 410-262892/15	100.0	137.175031	250.0	356149.0	1.37175	Y
5	ICIS 410-262892/16	250.0	333.891687	250.0	360733.0	1.335567	Y
6	IC 410-262892/17	500.0	692.89293	250.0	363462.0	1.385786	Y
7	IC 410-262892/18	1500.0	2044.424966	250.0	330563.0	1.36295	Y



Calibration / Methacrylonitrile

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

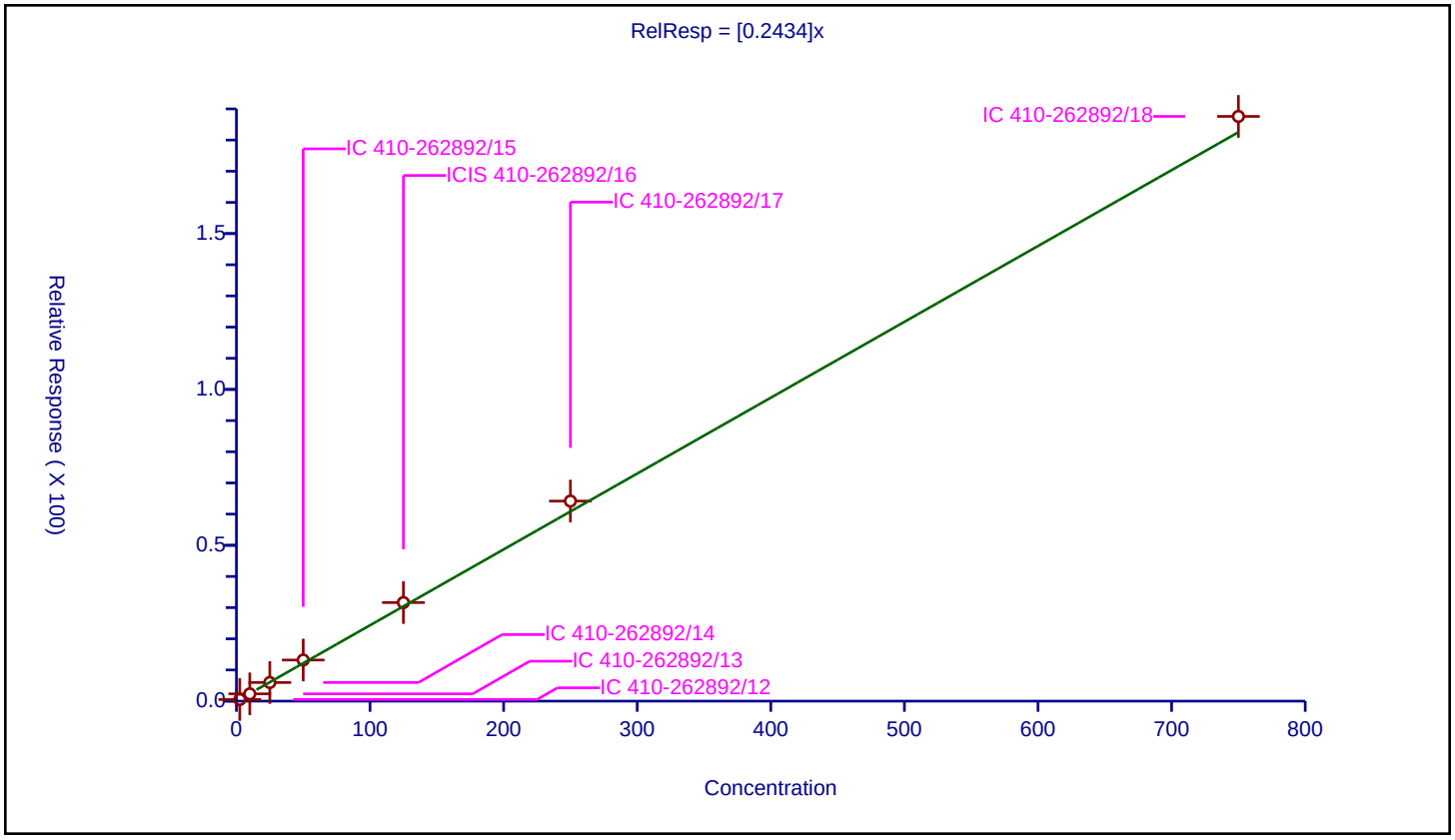
Curve Coefficients

Intercept:	0
Slope:	0.2434

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	2.5	0.517422	50.0	696627.0	0.206969	Y
2	IC 410-262892/13	10.0	2.338543	50.0	715424.0	0.233854	Y
3	IC 410-262892/14	25.0	5.973951	50.0	725483.0	0.238958	Y
4	IC 410-262892/15	50.0	13.192418	50.0	726675.0	0.263848	Y
5	ICIS 410-262892/16	125.0	31.627708	50.0	753243.0	0.253022	Y
6	IC 410-262892/17	250.0	64.185126	50.0	759884.0	0.256741	Y
7	IC 410-262892/18	750.0	187.589061	50.0	728434.0	0.250119	Y



Calibration / Chlorobromomethane

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

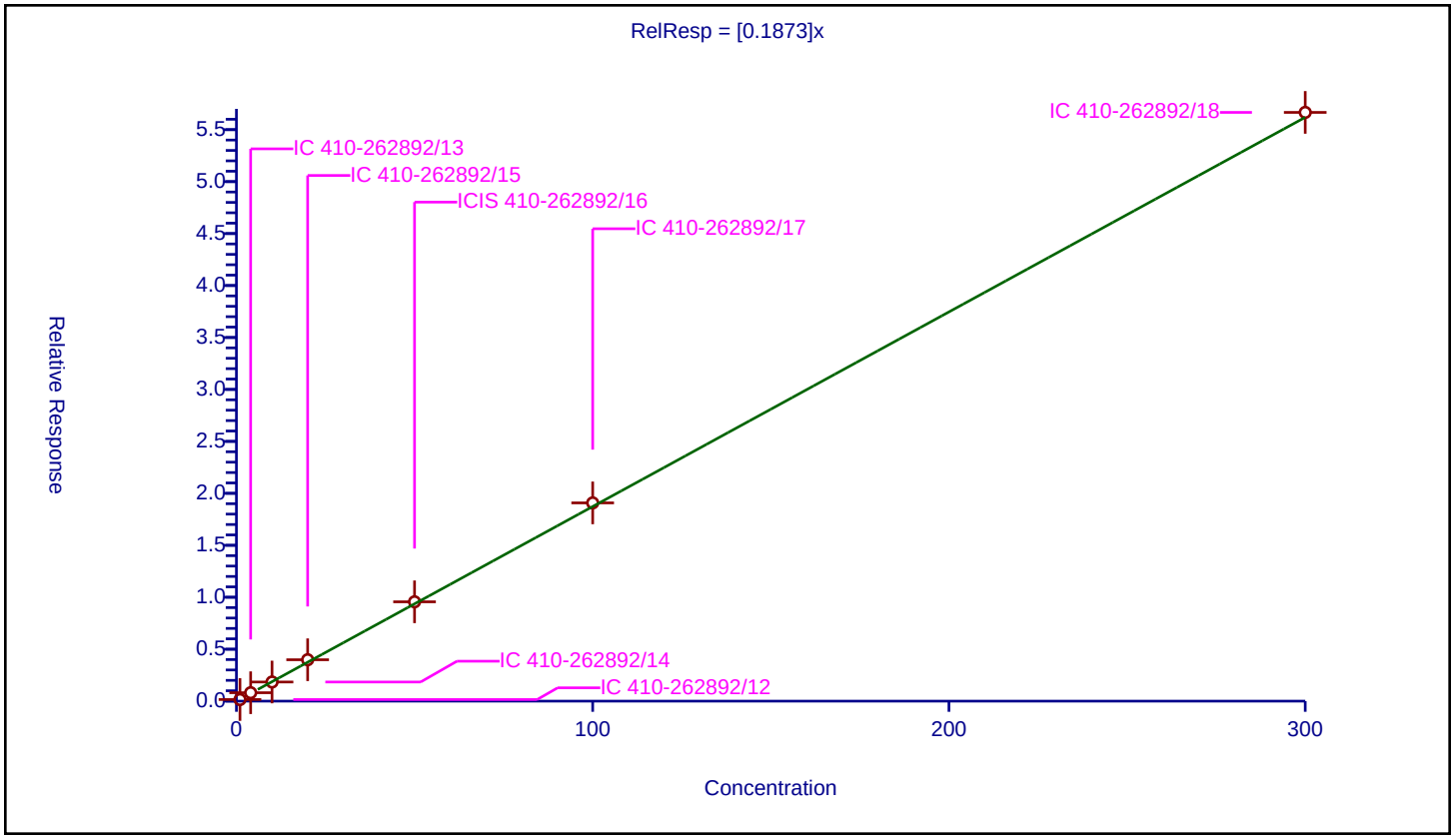
Curve Coefficients

Intercept:	0
Slope:	0.1873

Error Coefficients

Standard Error:	363000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.153884	50.0	696627.0	0.153884	Y
2	IC 410-262892/13	4.0	0.810988	50.0	715424.0	0.202747	Y
3	IC 410-262892/14	10.0	1.842497	50.0	725483.0	0.18425	Y
4	IC 410-262892/15	20.0	3.985551	50.0	726675.0	0.199278	Y
5	ICIS 410-262892/16	50.0	9.561257	50.0	753243.0	0.191225	Y
6	IC 410-262892/17	100.0	19.080083	50.0	759884.0	0.190801	Y
7	IC 410-262892/18	300.0	56.662512	50.0	728434.0	0.188875	Y



Calibration / Tetrahydrofuran

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

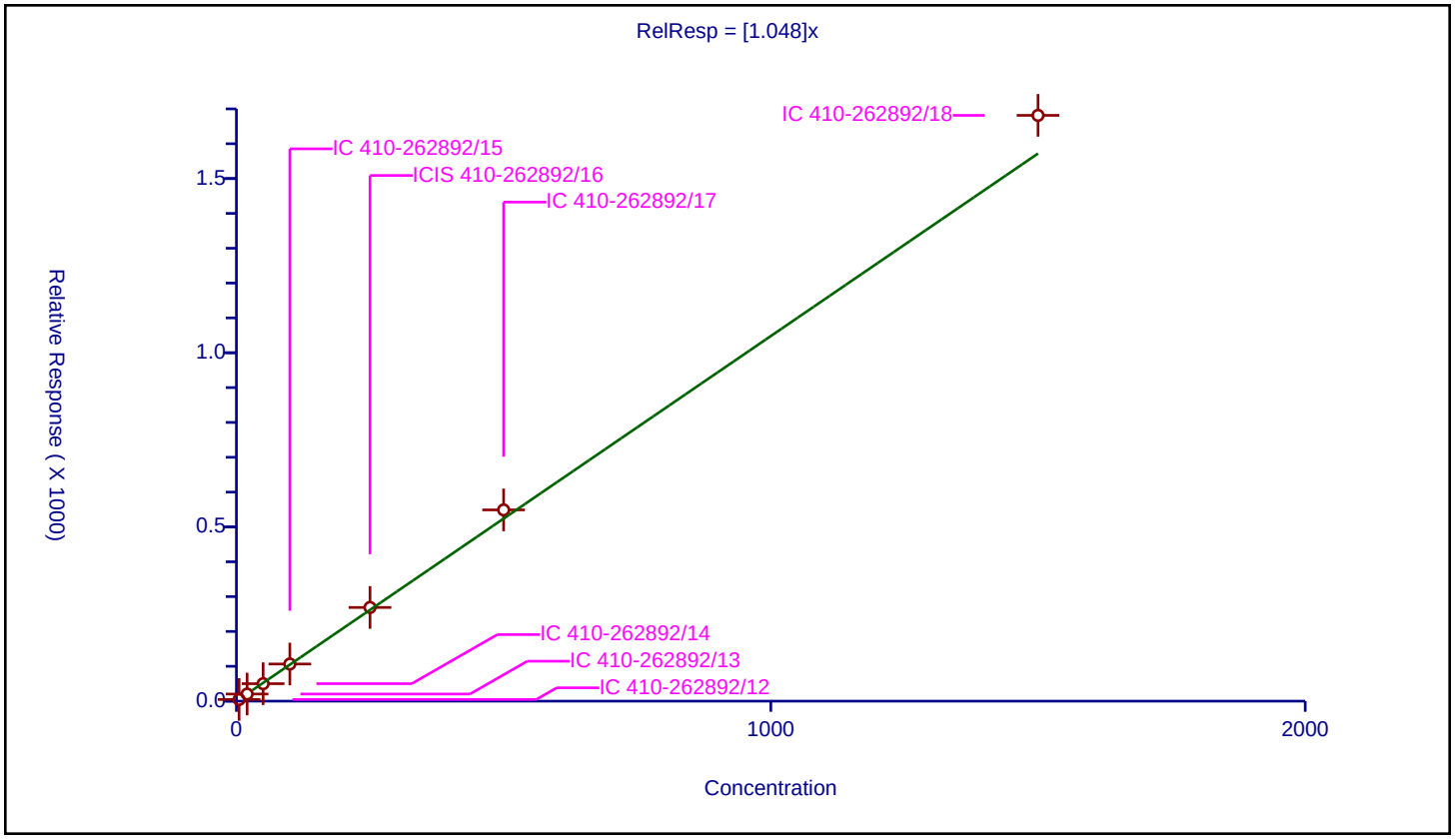
Curve Coefficients

Intercept:	0
Slope:	1.048

Error Coefficients

Standard Error:	979000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	5.0	4.746	250.0	335335.0	0.9492	Y
2	IC 410-262892/13	20.0	20.446788	250.0	336312.0	1.022339	Y
3	IC 410-262892/14	50.0	50.147302	250.0	352337.0	1.002946	Y
4	IC 410-262892/15	100.0	106.644972	250.0	356149.0	1.06645	Y
5	ICIS 410-262892/16	250.0	268.921197	250.0	360733.0	1.075685	Y
6	IC 410-262892/17	500.0	548.960414	250.0	363462.0	1.097921	Y
7	IC 410-262892/18	1500.0	1681.38373	250.0	330563.0	1.120922	Y



Calibration / Chloroform

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

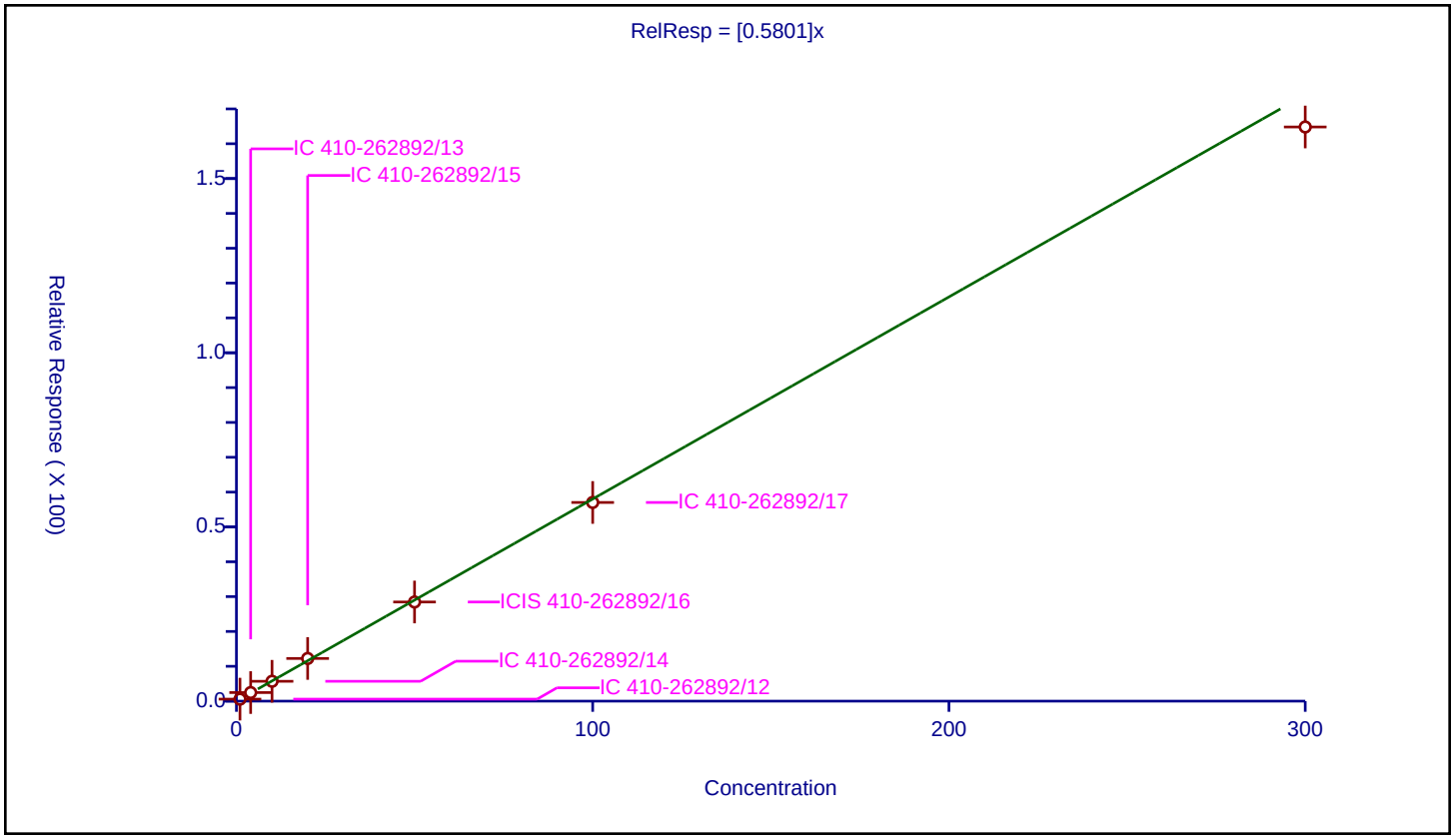
Curve Coefficients

Intercept:	0
Slope:	0.5801

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.573693	50.0	696627.0	0.573693	Y
2	IC 410-262892/13	4.0	2.464972	50.0	715424.0	0.616243	Y
3	IC 410-262892/14	10.0	5.696343	50.0	725483.0	0.569634	Y
4	IC 410-262892/15	20.0	12.251006	50.0	726675.0	0.61255	Y
5	ICIS 410-262892/16	50.0	28.456952	50.0	753243.0	0.569139	Y
6	IC 410-262892/17	100.0	57.028968	50.0	759884.0	0.57029	Y
7	IC 410-262892/18	300.0	164.805803	50.0	728434.0	0.549353	Y



Calibration / Dibromofluoromethane (Surr)

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

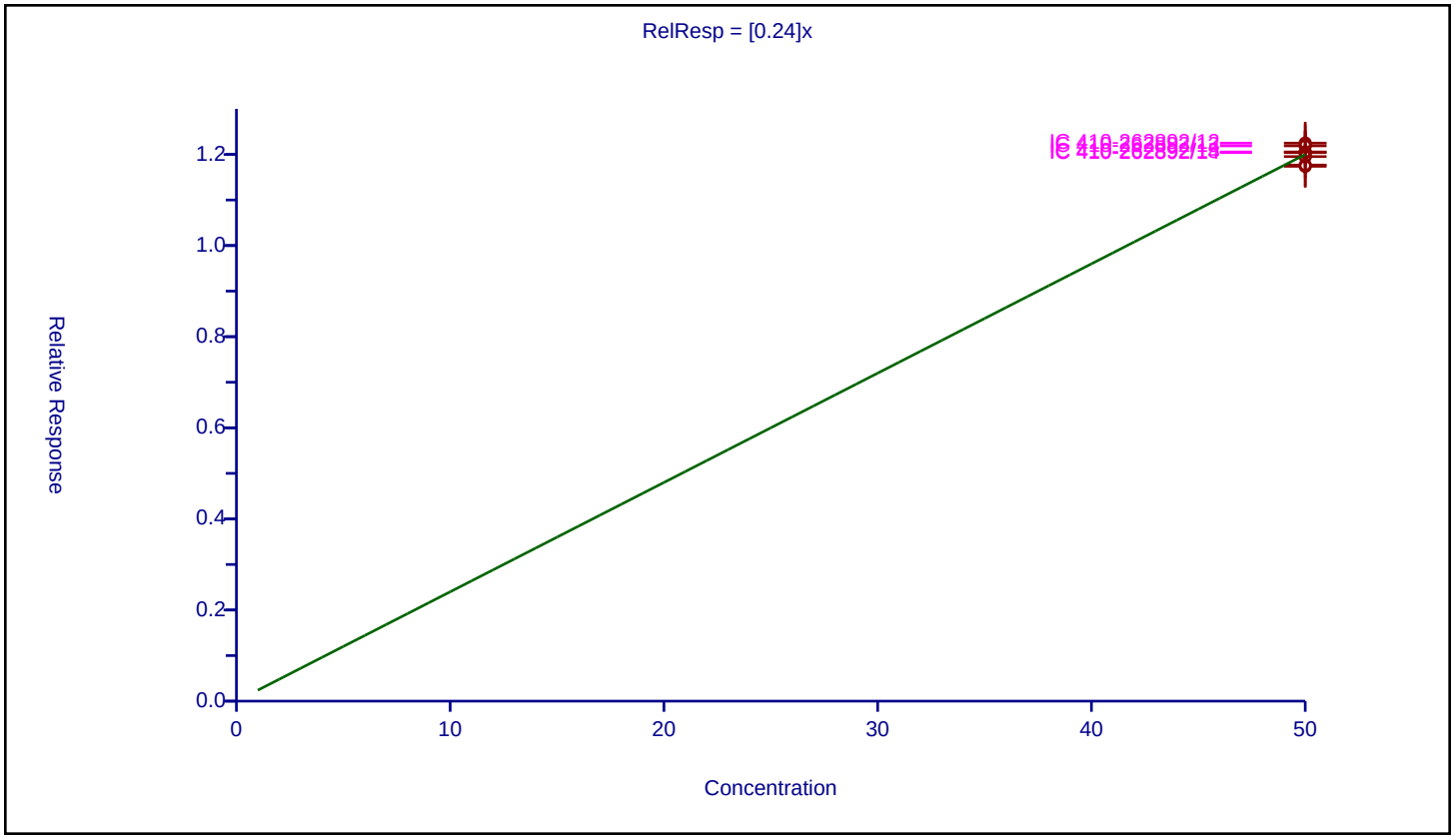
Curve Coefficients

Intercept:	0
Slope:	0.24

Error Coefficients

Standard Error:	189000
Relative Standard Error:	1.6
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	50.0	12.248664	50.0	696627.0	0.244973	Y
2	IC 410-262892/13	50.0	12.188437	50.0	715424.0	0.243769	Y
3	IC 410-262892/14	50.0	12.04053	50.0	725483.0	0.240811	Y
4	IC 410-262892/15	50.0	12.054908	50.0	726675.0	0.241098	Y
5	ICIS 410-262892/16	50.0	11.953048	50.0	753243.0	0.239061	Y
6	IC 410-262892/17	50.0	11.739423	50.0	759884.0	0.234788	Y
7	IC 410-262892/18	50.0	11.767024	50.0	728434.0	0.23534	Y



Calibration / 1,1,1-Trichloroethane

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

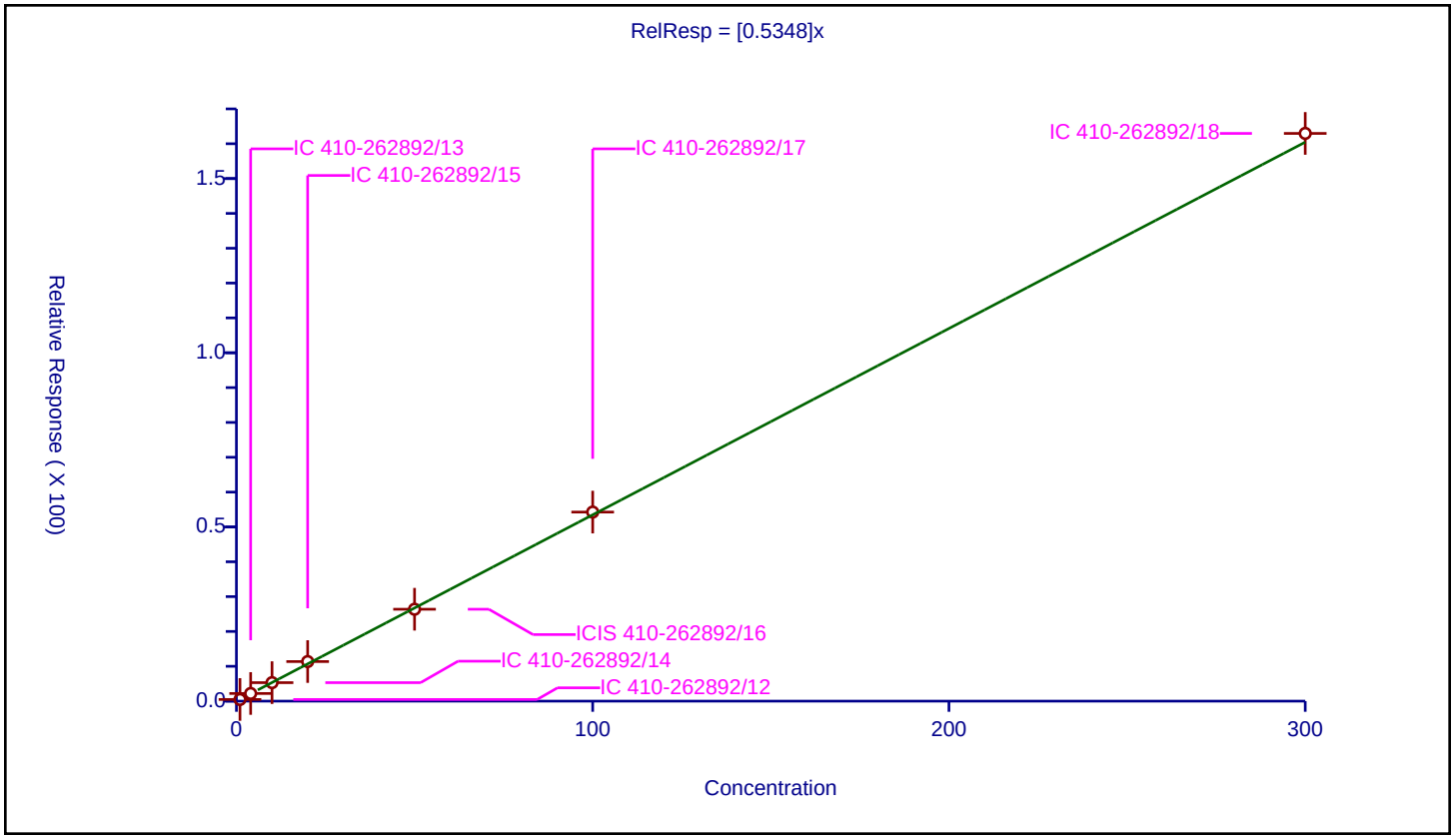
Curve Coefficients

Intercept:	0
Slope:	0.5348

Error Coefficients

Standard Error:	1040000
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 410-262892/12	1.0	0.481247	50.0	696627.0	0.481247	Y
2	IC 410-262892/13	4.0	2.198766	50.0	715424.0	0.549692	Y
3	IC 410-262892/14	10.0	5.313012	50.0	725483.0	0.531301	Y
4	IC 410-262892/15	20.0	11.361957	50.0	726675.0	0.568098	Y
5	ICIS 410-262892/16	50.0	26.377809	50.0	753243.0	0.527556	Y
6	IC 410-262892/17	100.0	54.269928	50.0	759884.0	0.542699	Y
7	IC 410-262892/18	300.0	162.960886	50.0	728434.0	0.543203	Y



Calibration / Cyclohexane

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

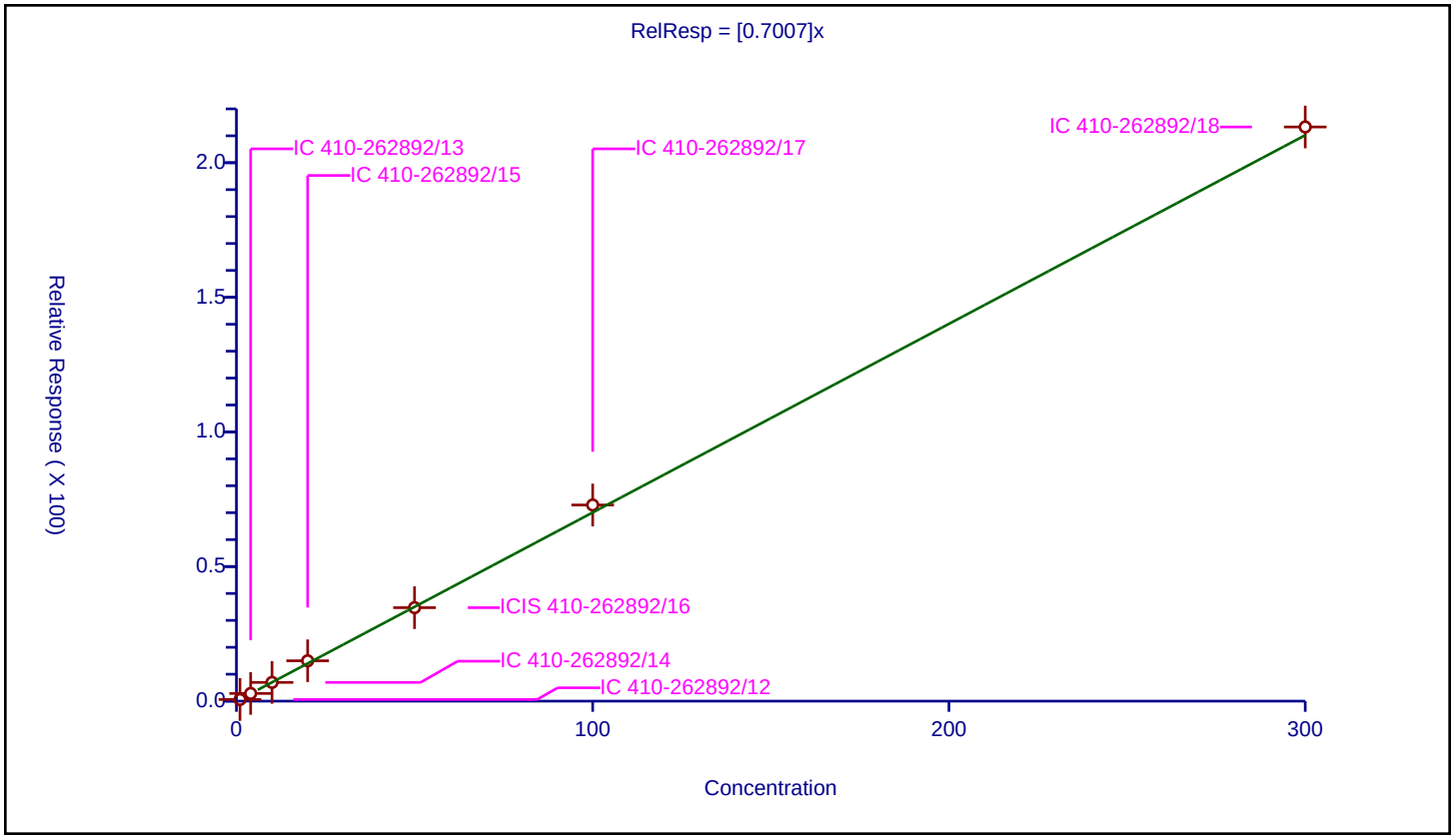
Curve Coefficients

Intercept:	0
Slope:	0.7007

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.611159	50.0	696627.0	0.611159	Y
2	IC 410-262892/13	4.0	2.856208	50.0	715424.0	0.714052	Y
3	IC 410-262892/14	10.0	6.963568	50.0	725483.0	0.696357	Y
4	IC 410-262892/15	20.0	14.989232	50.0	726675.0	0.749462	Y
5	ICIS 410-262892/16	50.0	34.722792	50.0	753243.0	0.694456	Y
6	IC 410-262892/17	100.0	72.862108	50.0	759884.0	0.728621	Y
7	IC 410-262892/18	300.0	213.281231	50.0	728434.0	0.710937	Y



Calibration / 1,1-Dichloropropene

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

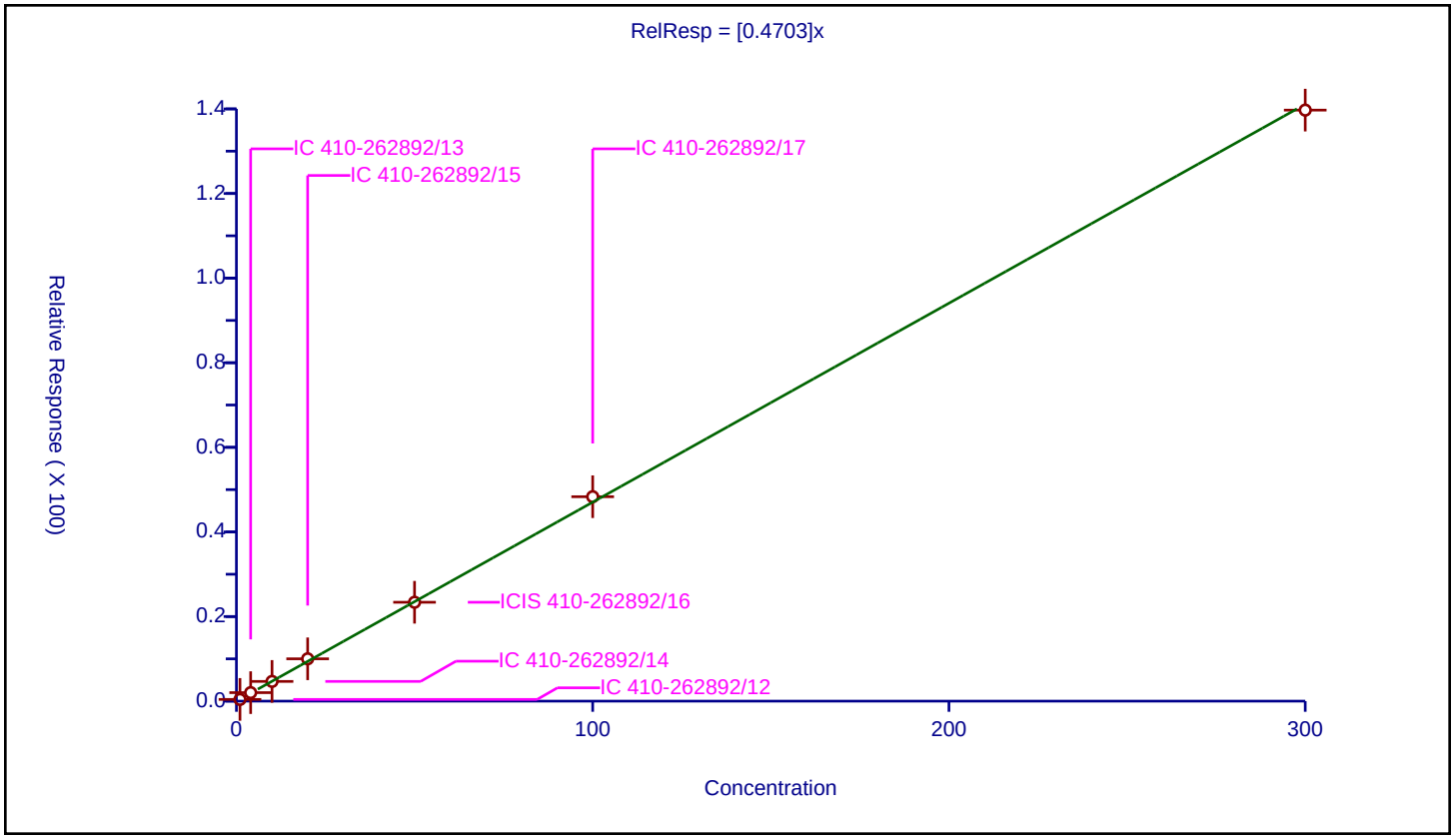
Curve Coefficients

Intercept:	0
Slope:	0.4703

Error Coefficients

Standard Error:	897000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.405741	50.0	696627.0	0.405741	Y
2	IC 410-262892/13	4.0	2.013841	50.0	715424.0	0.50346	Y
3	IC 410-262892/14	10.0	4.660412	50.0	725483.0	0.466041	Y
4	IC 410-262892/15	20.0	10.009771	50.0	726675.0	0.500489	Y
5	ICIS 410-262892/16	50.0	23.376387	50.0	753243.0	0.467528	Y
6	IC 410-262892/17	100.0	48.324284	50.0	759884.0	0.483243	Y
7	IC 410-262892/18	300.0	139.710461	50.0	728434.0	0.465702	Y



Calibration / Carbon tetrachloride

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

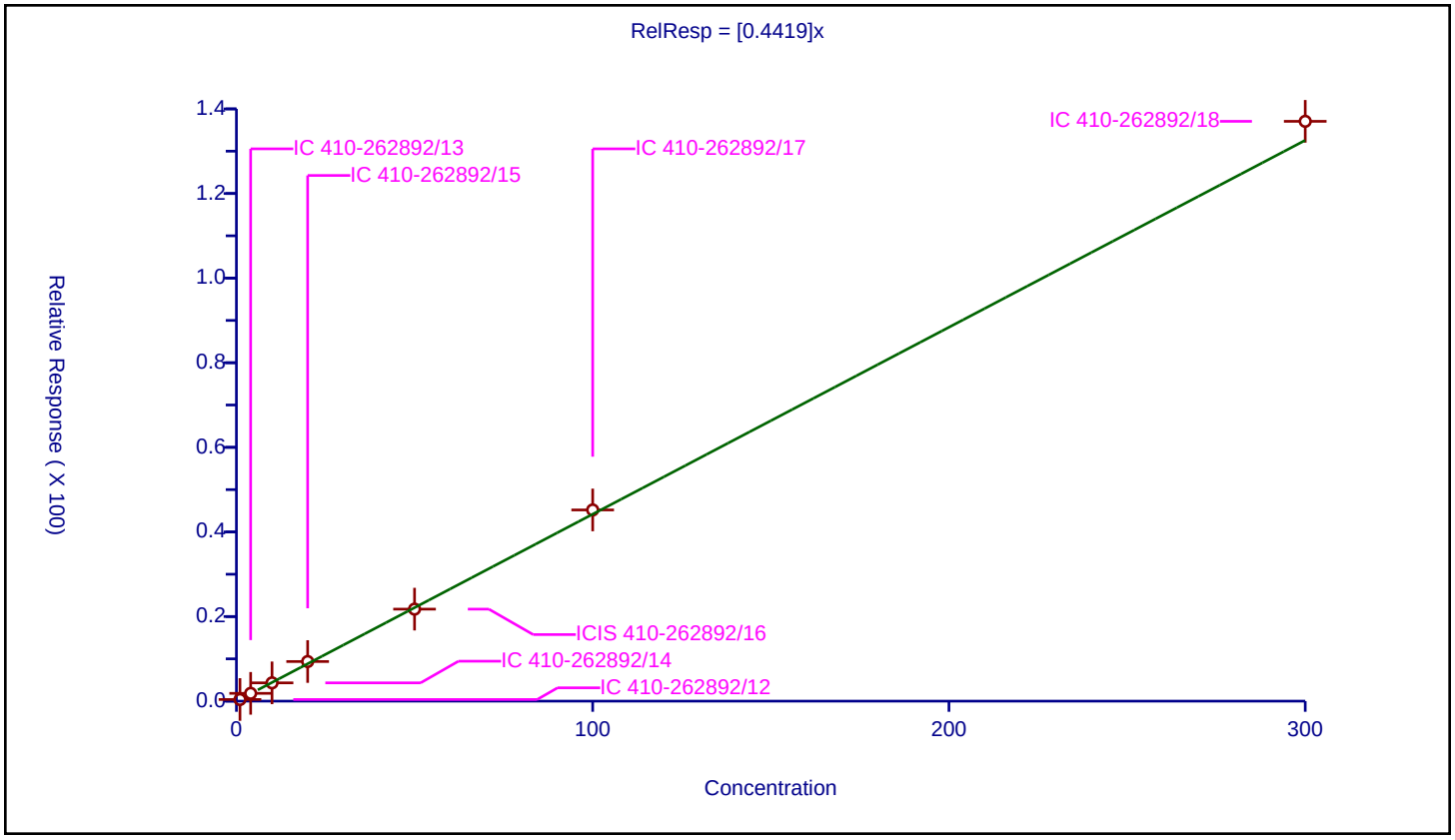
Curve Coefficients

Intercept:	0
Slope:	0.4419

Error Coefficients

Standard Error:	875000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.388443	50.0	696627.0	0.388443	Y
2	IC 410-262892/13	4.0	1.843941	50.0	715424.0	0.460985	Y
3	IC 410-262892/14	10.0	4.320225	50.0	725483.0	0.432023	Y
4	IC 410-262892/15	20.0	9.36292	50.0	726675.0	0.468146	Y
5	ICIS 410-262892/16	50.0	21.748559	50.0	753243.0	0.434971	Y
6	IC 410-262892/17	100.0	45.196109	50.0	759884.0	0.451961	Y
7	IC 410-262892/18	300.0	137.059226	50.0	728434.0	0.456864	Y



Calibration / Isobutyl alcohol

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

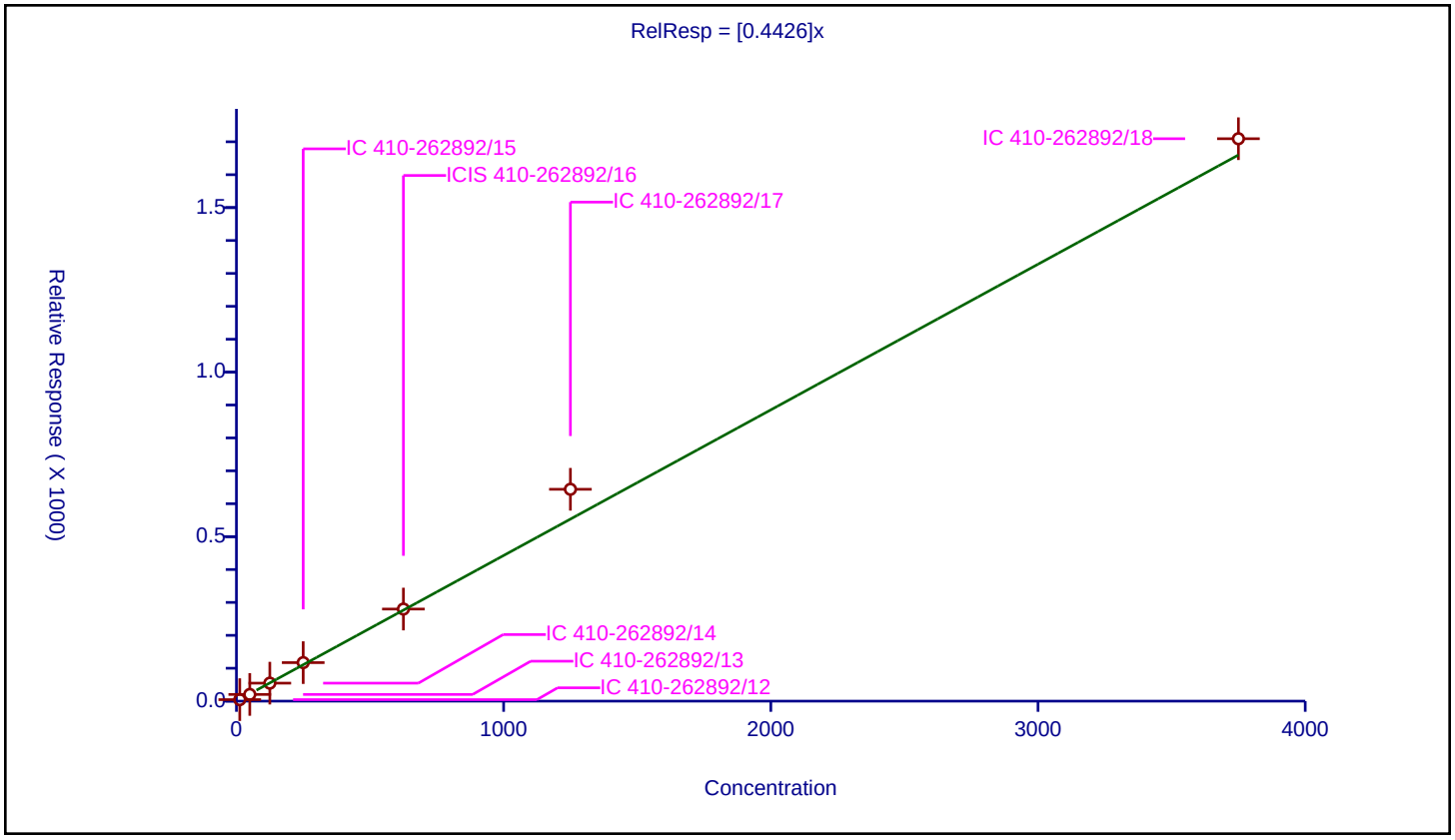
Curve Coefficients

Intercept:	0
Slope:	0.4426

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	10.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	12.5	4.580494	250.0	335335.0	0.36644	Y
2	IC 410-262892/13	50.0	20.379142	250.0	336312.0	0.407583	Y
3	IC 410-262892/14	125.0	54.641579	250.0	352337.0	0.437133	Y
4	IC 410-262892/15	250.0	117.114607	250.0	356149.0	0.468458	Y
5	ICIS 410-262892/16	625.0	279.912706	250.0	360733.0	0.44786	Y
6	IC 410-262892/17	1250.0	643.894685	250.0	363462.0	0.515116	Y
7	IC 410-262892/18	3750.0	1709.30579	250.0	330563.0	0.455815	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

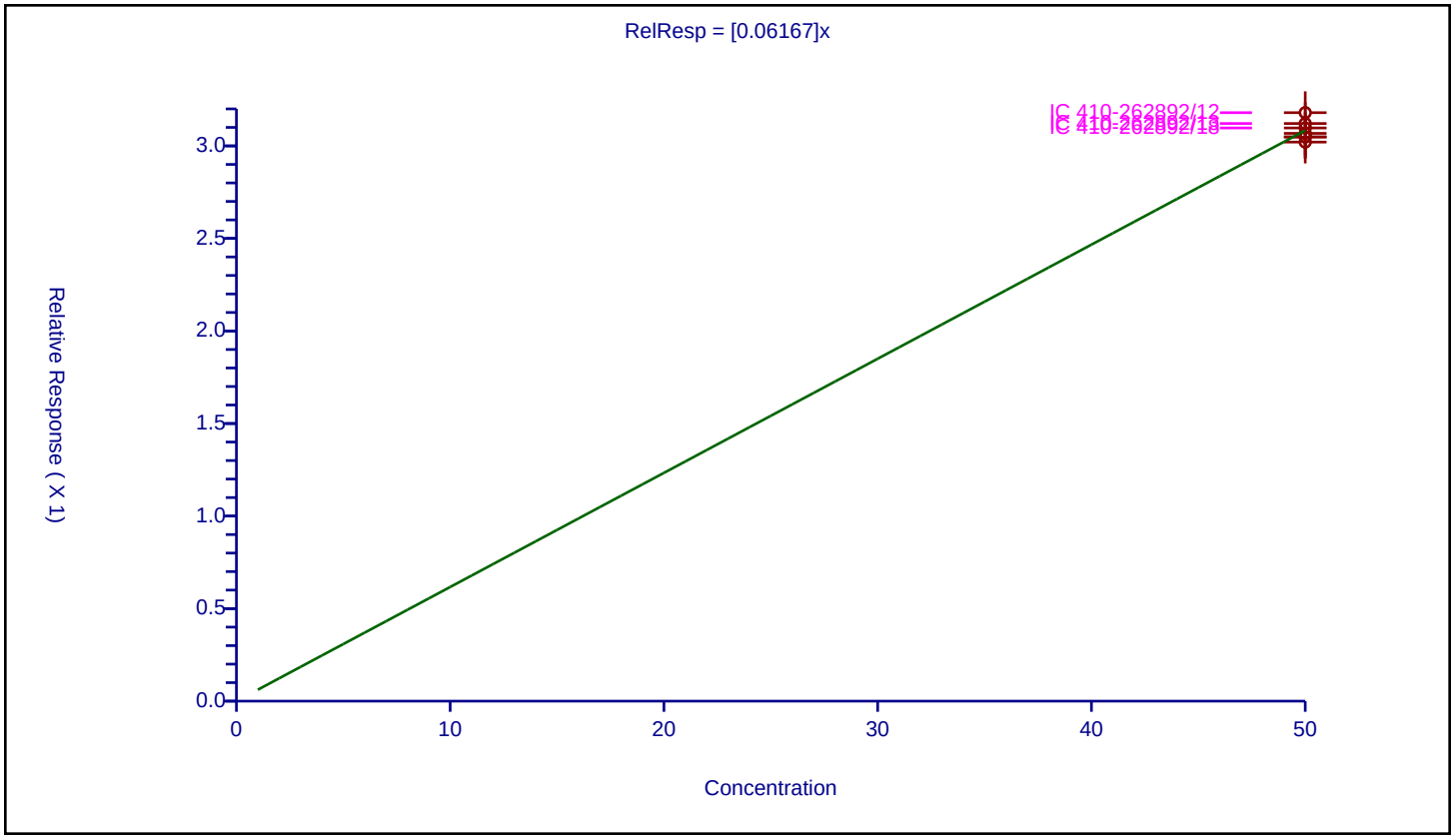
Curve Coefficients

Intercept:	0
Slope:	0.06167

Error Coefficients

Standard Error:	48600
Relative Standard Error:	1.7
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	50.0	3.179535	50.0	696627.0	0.063591	Y
2	IC 410-262892/13	50.0	3.120946	50.0	715424.0	0.062419	Y
3	IC 410-262892/14	50.0	3.04859	50.0	725483.0	0.060972	Y
4	IC 410-262892/15	50.0	3.048337	50.0	726675.0	0.060967	Y
5	ICIS 410-262892/16	50.0	3.067801	50.0	753243.0	0.061356	Y
6	IC 410-262892/17	50.0	3.020724	50.0	759884.0	0.060414	Y
7	IC 410-262892/18	50.0	3.096986	50.0	728434.0	0.06194	Y



Calibration / Benzene

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

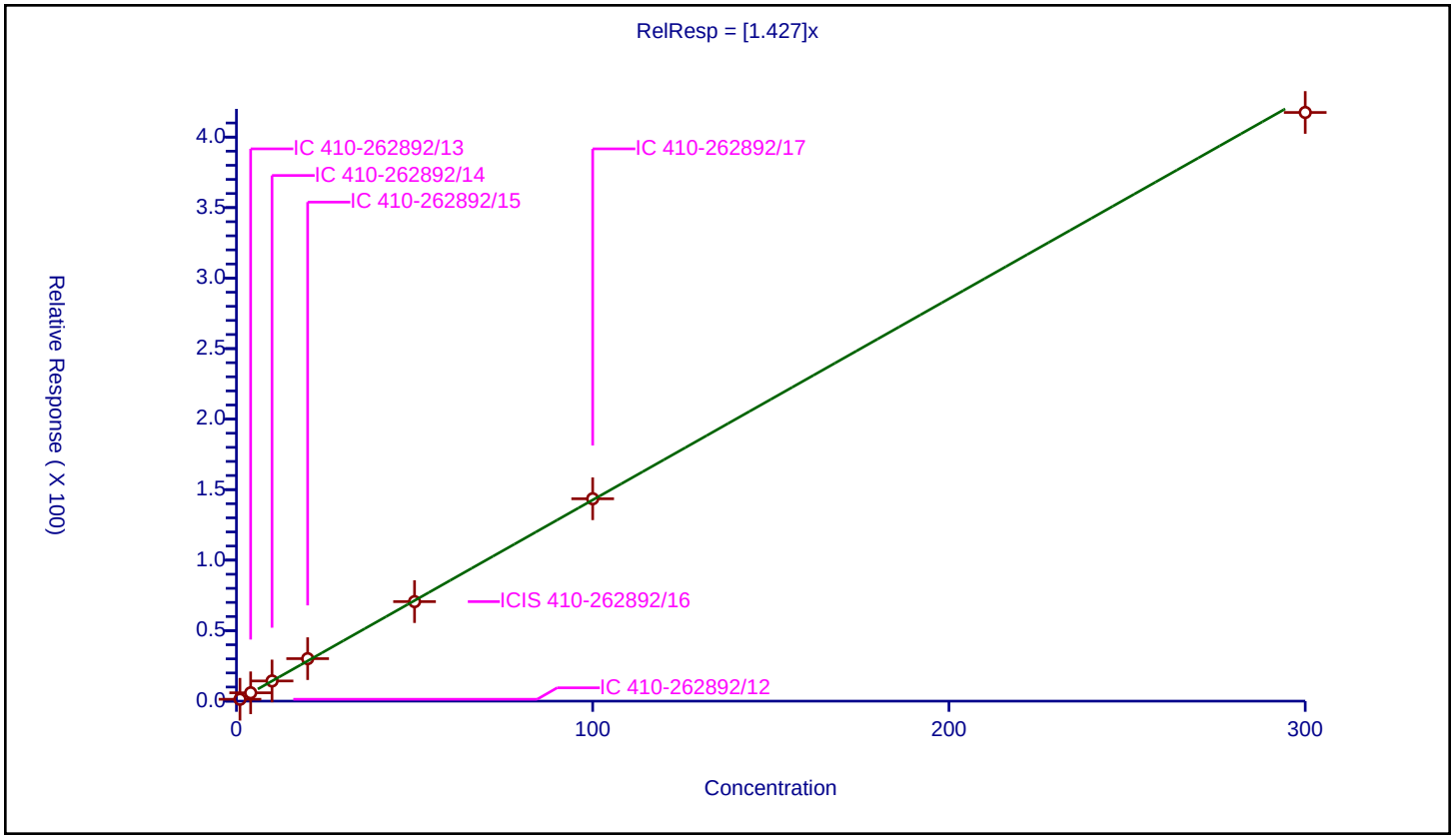
Curve Coefficients

Intercept:	0
Slope:	1.427

Error Coefficients

Standard Error:	2680000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.333497	50.0	696627.0	1.333497	Y
2	IC 410-262892/13	4.0	5.915793	50.0	715424.0	1.478948	Y
3	IC 410-262892/14	10.0	14.299232	50.0	725483.0	1.429923	Y
4	IC 410-262892/15	20.0	30.131283	50.0	726675.0	1.506564	Y
5	ICIS 410-262892/16	50.0	70.574436	50.0	753243.0	1.411489	Y
6	IC 410-262892/17	100.0	143.514734	50.0	759884.0	1.435147	Y
7	IC 410-262892/18	300.0	417.46047	50.0	728434.0	1.391535	Y



Calibration / 1,2-Dichloroethane

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

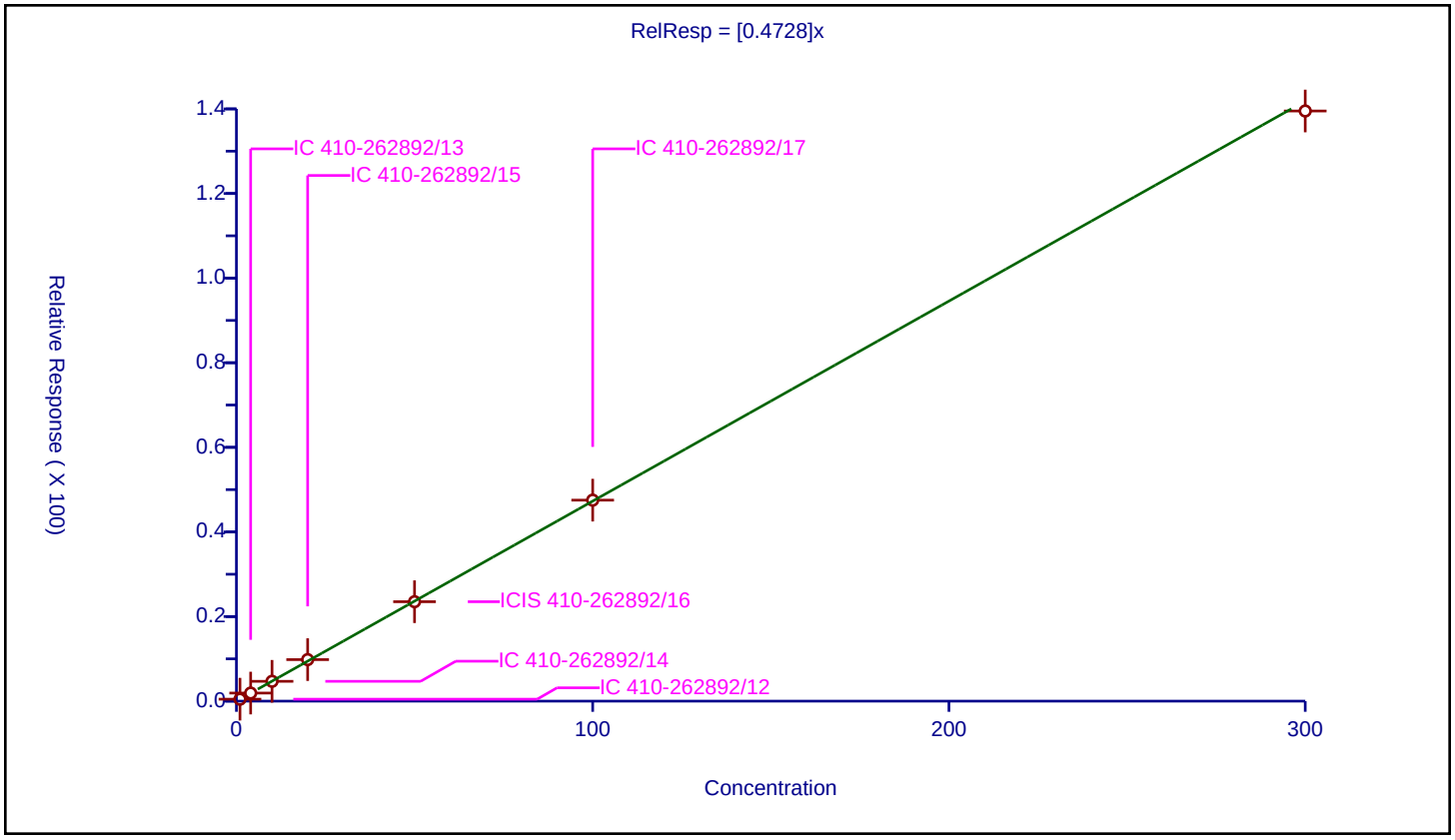
Curve Coefficients

Intercept:	0
Slope:	0.4728

Error Coefficients

Standard Error:	895000
Relative Standard Error:	2.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.462371	50.0	696627.0	0.462371	Y
2	IC 410-262892/13	4.0	1.909846	50.0	715424.0	0.477462	Y
3	IC 410-262892/14	10.0	4.687291	50.0	725483.0	0.468729	Y
4	IC 410-262892/15	20.0	9.818626	50.0	726675.0	0.490931	Y
5	ICIS 410-262892/16	50.0	23.507752	50.0	753243.0	0.470155	Y
6	IC 410-262892/17	100.0	47.512252	50.0	759884.0	0.475123	Y
7	IC 410-262892/18	300.0	139.502206	50.0	728434.0	0.465007	Y



Calibration / Tert-amyl methyl ether

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

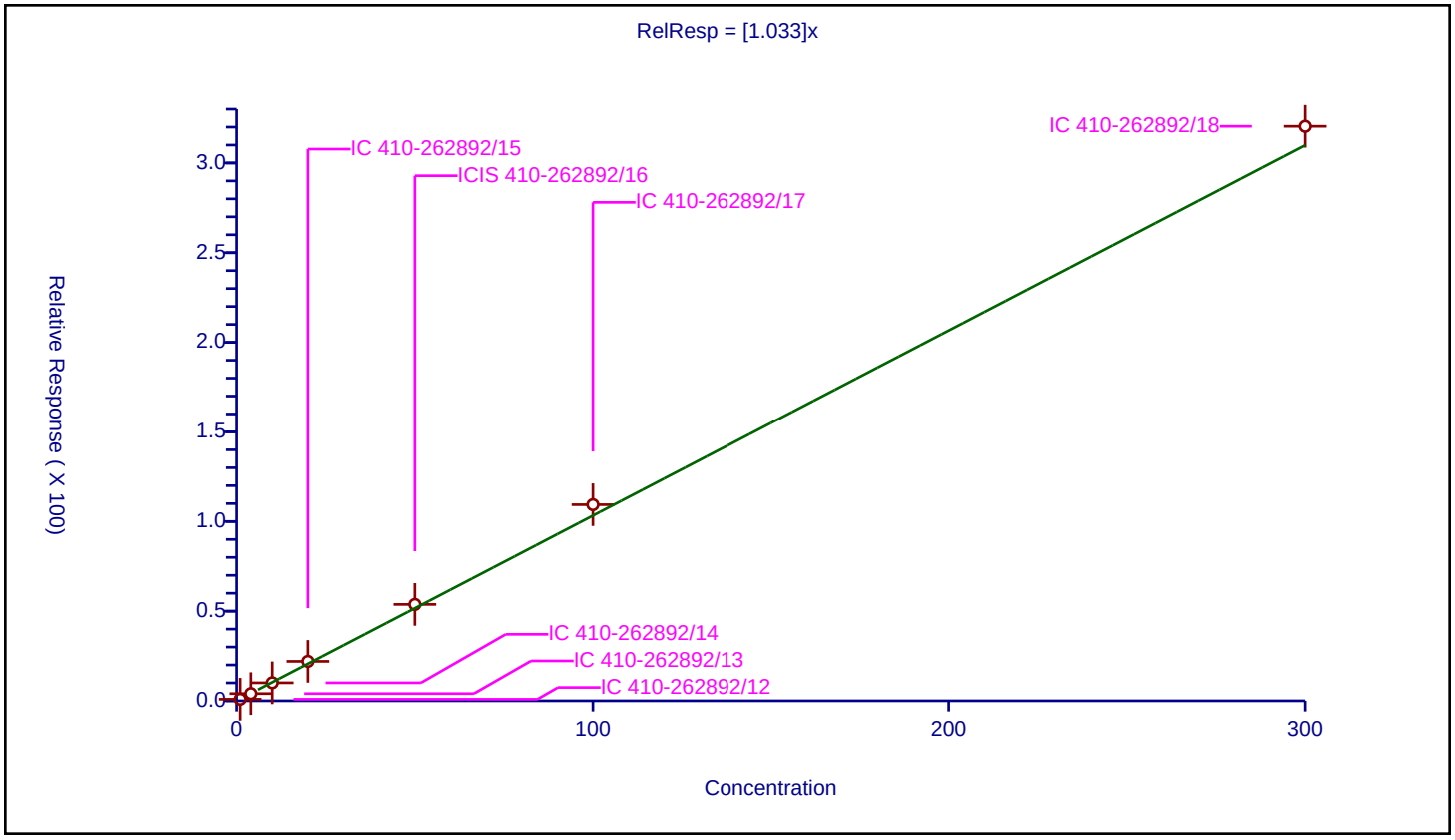
Curve Coefficients

Intercept:	0
Slope:	1.033

Error Coefficients

Standard Error:	2060000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.886486	50.0	696627.0	0.886486	Y
2	IC 410-262892/13	4.0	4.011887	50.0	715424.0	1.002972	Y
3	IC 410-262892/14	10.0	10.035314	50.0	725483.0	1.003531	Y
4	IC 410-262892/15	20.0	21.993945	50.0	726675.0	1.099697	Y
5	ICIS 410-262892/16	50.0	53.77574	50.0	753243.0	1.075515	Y
6	IC 410-262892/17	100.0	109.399	50.0	759884.0	1.09399	Y
7	IC 410-262892/18	300.0	320.457653	50.0	728434.0	1.068192	Y



Calibration / n-Heptane

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

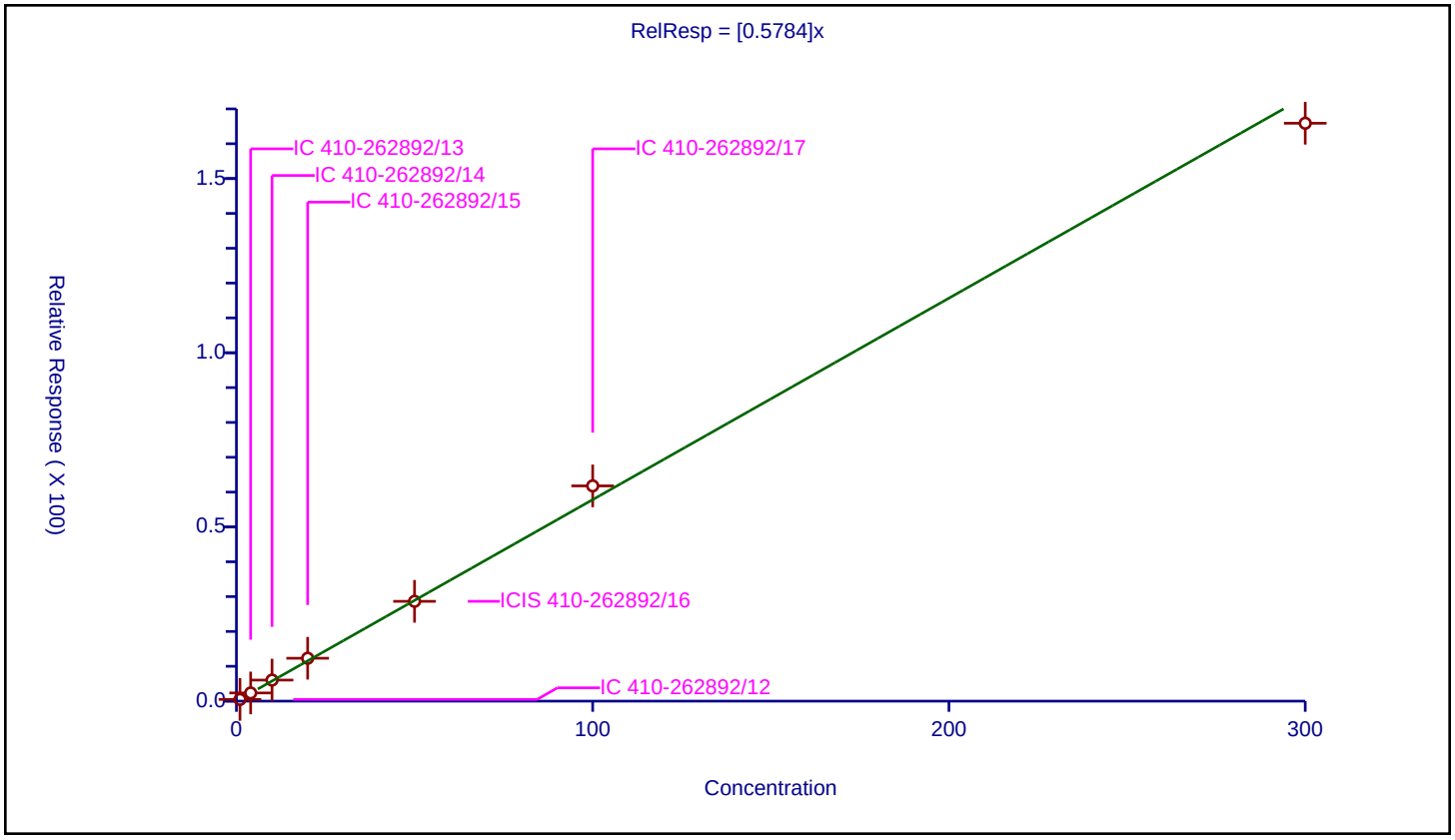
Curve Coefficients

Intercept:	0
Slope:	0.5784

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	7.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.496392	50.0	696627.0	0.496392	Y
2	IC 410-262892/13	4.0	2.35315	50.0	715424.0	0.588288	Y
3	IC 410-262892/14	10.0	6.045214	50.0	725483.0	0.604521	Y
4	IC 410-262892/15	20.0	12.310799	50.0	726675.0	0.61554	Y
5	ICIS 410-262892/16	50.0	28.64932	50.0	753243.0	0.572986	Y
6	IC 410-262892/17	100.0	61.785286	50.0	759884.0	0.617853	Y
7	IC 410-262892/18	300.0	165.882015	50.0	728434.0	0.55294	Y



Calibration / n-Butanol

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

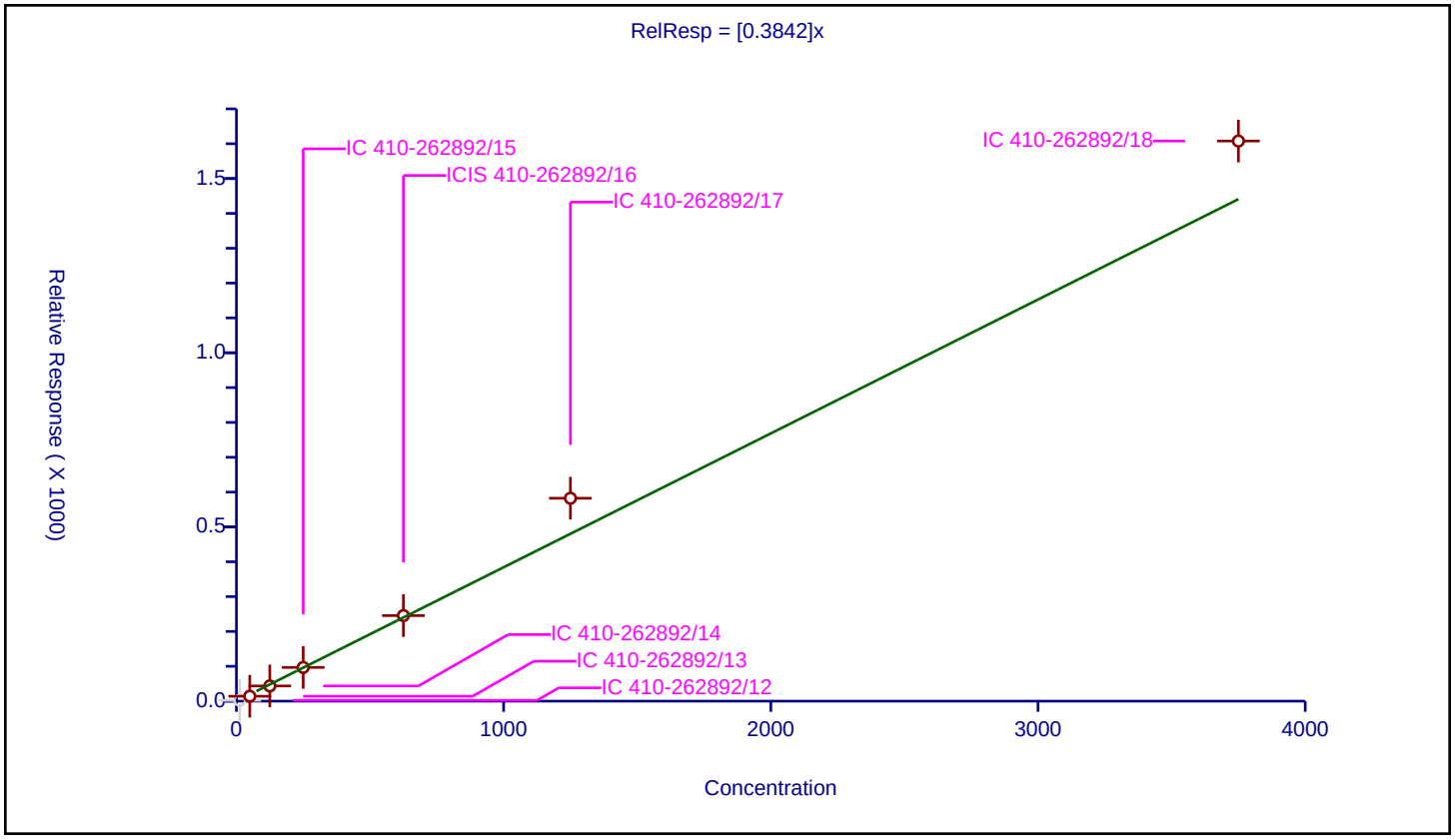
Curve Coefficients

Intercept:	0
Slope:	0.3842

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	16.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	12.5	2.303666	250.0	335335.0	0.184293	N
2	IC 410-262892/13	50.0	14.105206	250.0	336312.0	0.282104	Y
3	IC 410-262892/14	125.0	43.600303	250.0	352337.0	0.348802	Y
4	IC 410-262892/15	250.0	96.782526	250.0	356149.0	0.38713	Y
5	ICIS 410-262892/16	625.0	245.490432	250.0	360733.0	0.392785	Y
6	IC 410-262892/17	1250.0	582.412329	250.0	363462.0	0.46593	Y
7	IC 410-262892/18	3750.0	1607.7548	250.0	330563.0	0.428735	Y



Calibration / Trichloroethene

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

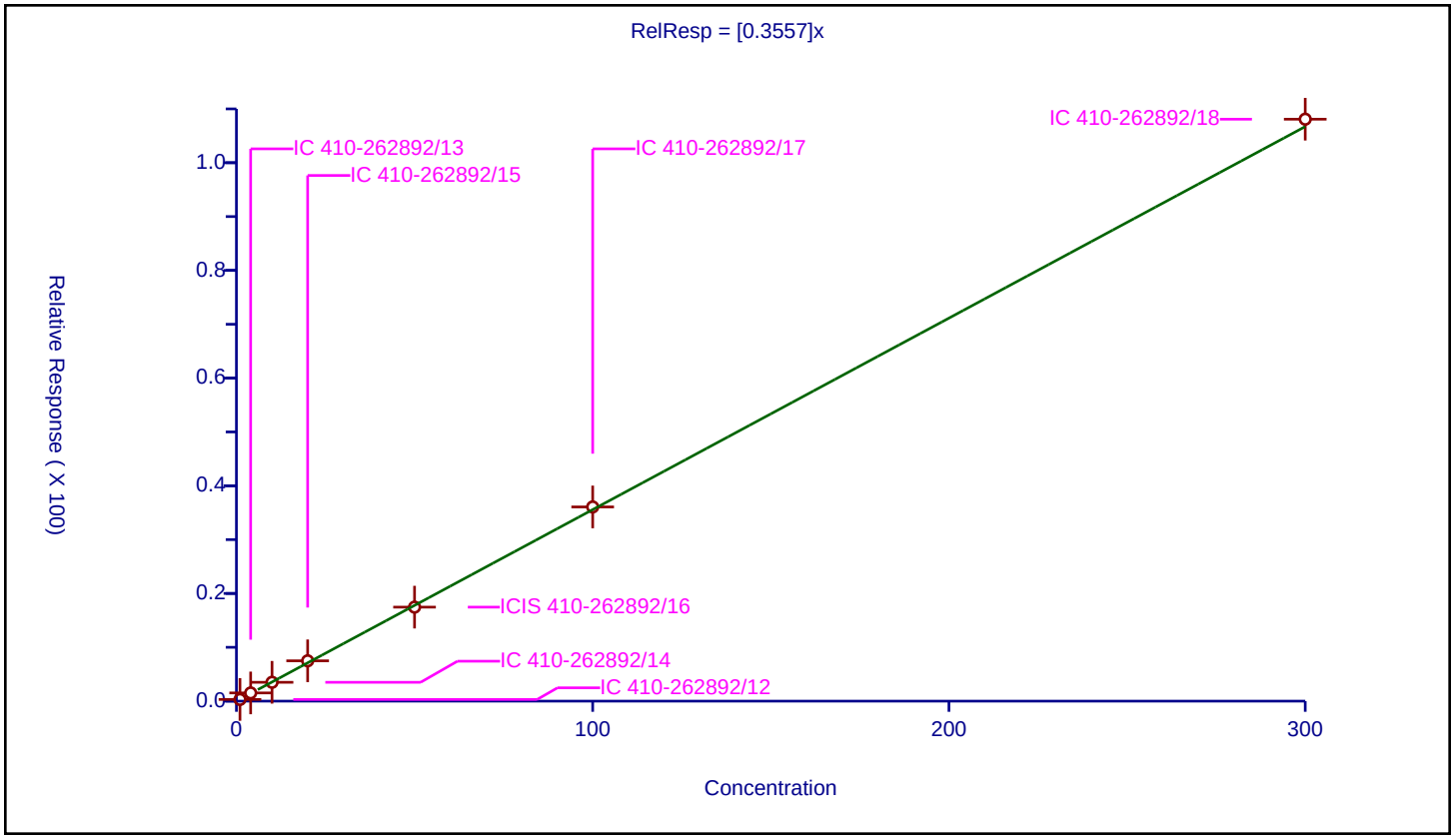
Curve Coefficients

Intercept:	0
Slope:	0.3557

Error Coefficients

Standard Error:	691000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.314085	50.0	696627.0	0.314085	Y
2	IC 410-262892/13	4.0	1.523852	50.0	715424.0	0.380963	Y
3	IC 410-262892/14	10.0	3.501254	50.0	725483.0	0.350125	Y
4	IC 410-262892/15	20.0	7.489731	50.0	726675.0	0.374487	Y
5	ICIS 410-262892/16	50.0	17.459306	50.0	753243.0	0.349186	Y
6	IC 410-262892/17	100.0	36.072019	50.0	759884.0	0.36072	Y
7	IC 410-262892/18	300.0	108.0868	50.0	728434.0	0.360289	Y



Calibration / Methylcyclohexane

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

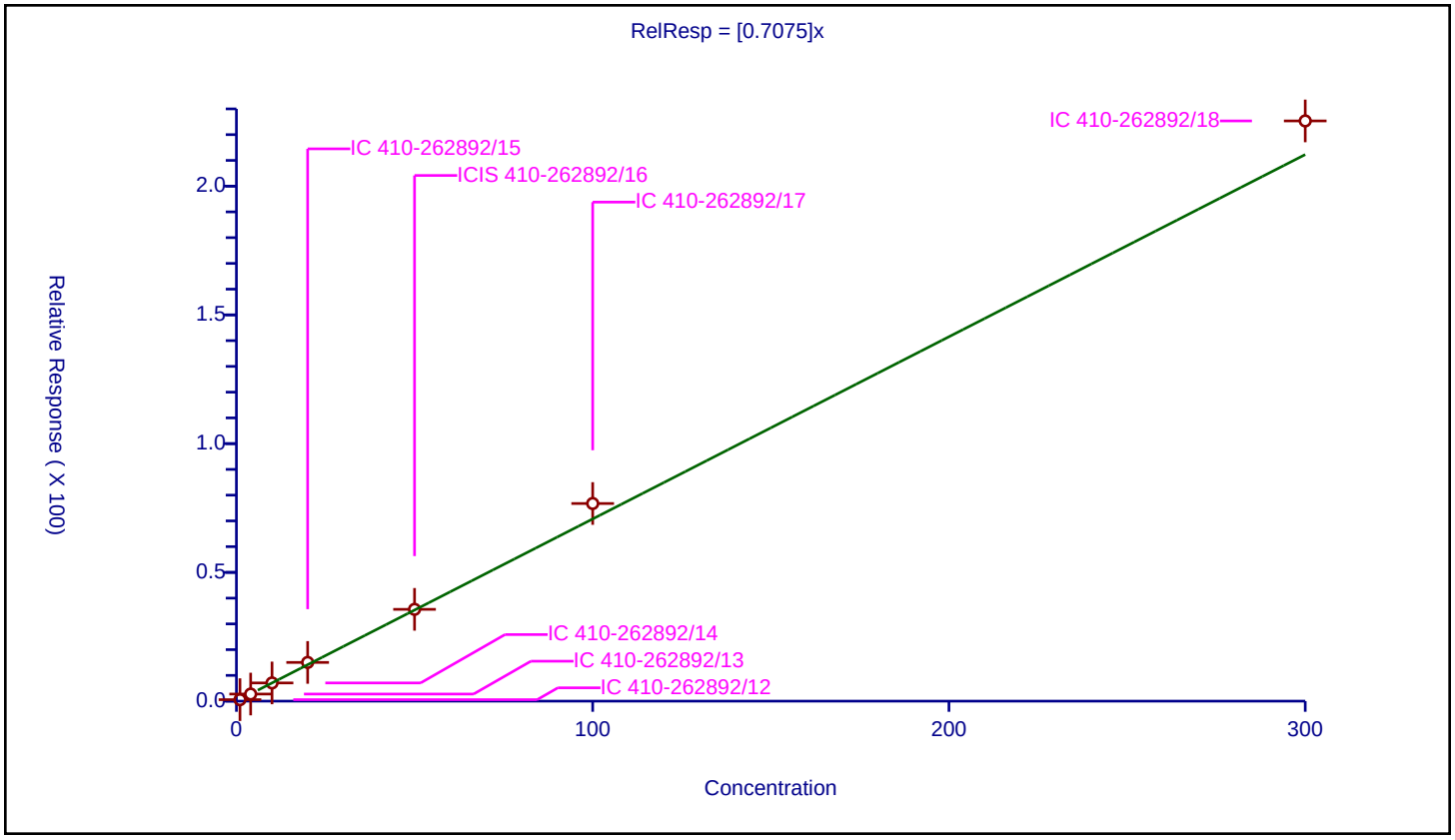
Curve Coefficients

Intercept:	0
Slope:	0.7075

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.57398	50.0	696627.0	0.57398	Y
2	IC 410-262892/13	4.0	2.753193	50.0	715424.0	0.688298	Y
3	IC 410-262892/14	10.0	7.07253	50.0	725483.0	0.707253	Y
4	IC 410-262892/15	20.0	15.030378	50.0	726675.0	0.751519	Y
5	ICIS 410-262892/16	50.0	35.651642	50.0	753243.0	0.713033	Y
6	IC 410-262892/17	100.0	76.752373	50.0	759884.0	0.767524	Y
7	IC 410-262892/18	300.0	225.329748	50.0	728434.0	0.751099	Y



Calibration / 1,2-Dichloropropane

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

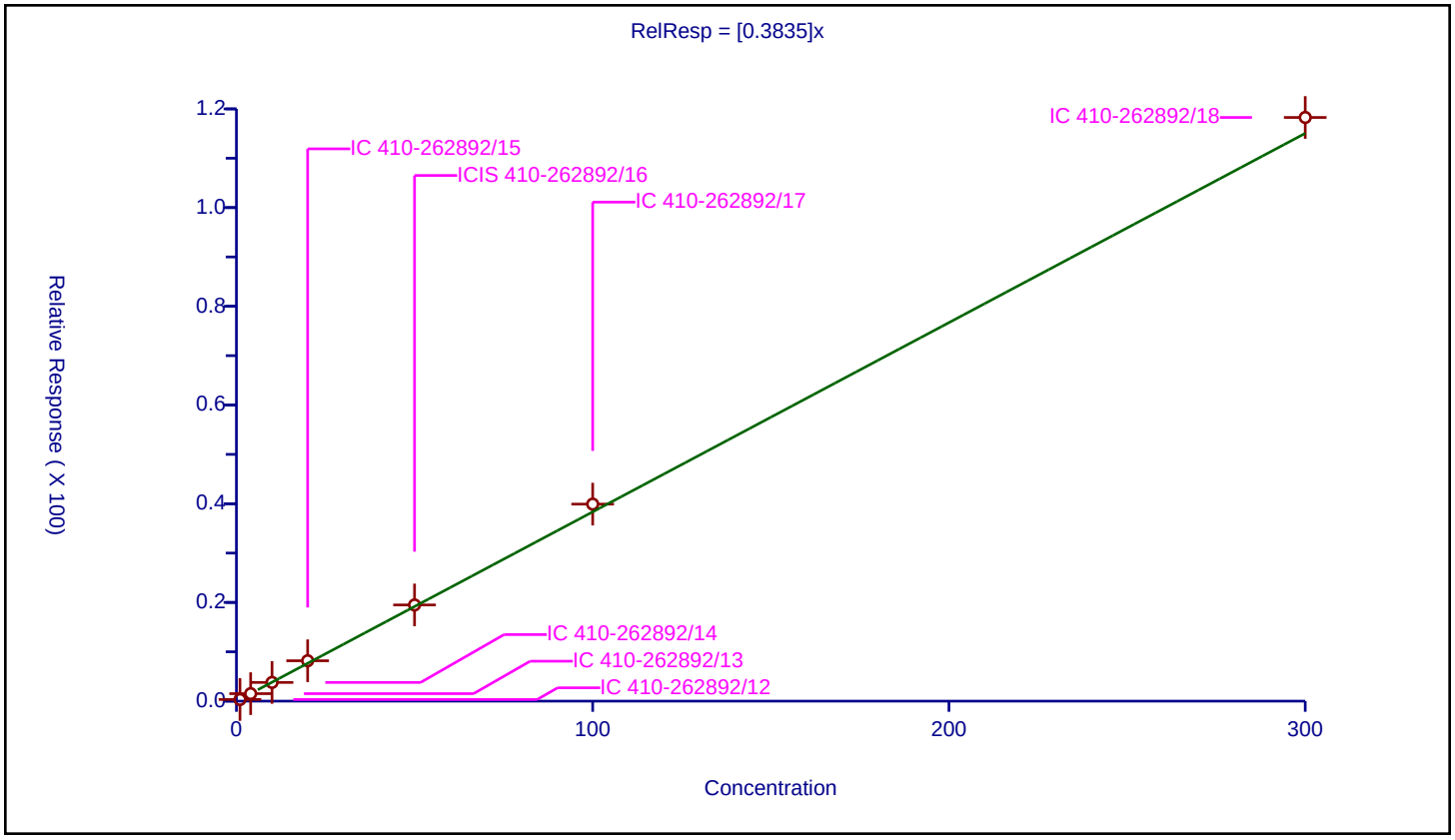
Curve Coefficients

Intercept:	0
Slope:	0.3835

Error Coefficients

Standard Error:	757000
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 410-262892/12	1.0	0.33332	50.0	696627.0	0.33332	Y
2	IC 410-262892/13	4.0	1.518191	50.0	715424.0	0.379548	Y
3	IC 410-262892/14	10.0	3.791405	50.0	725483.0	0.379141	Y
4	IC 410-262892/15	20.0	8.183301	50.0	726675.0	0.409165	Y
5	ICIS 410-262892/16	50.0	19.487934	50.0	753243.0	0.389759	Y
6	IC 410-262892/17	100.0	39.92162	50.0	759884.0	0.399216	Y
7	IC 410-262892/18	300.0	118.261092	50.0	728434.0	0.394204	Y



Calibration / 2-ethoxy-2-methyl butane

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

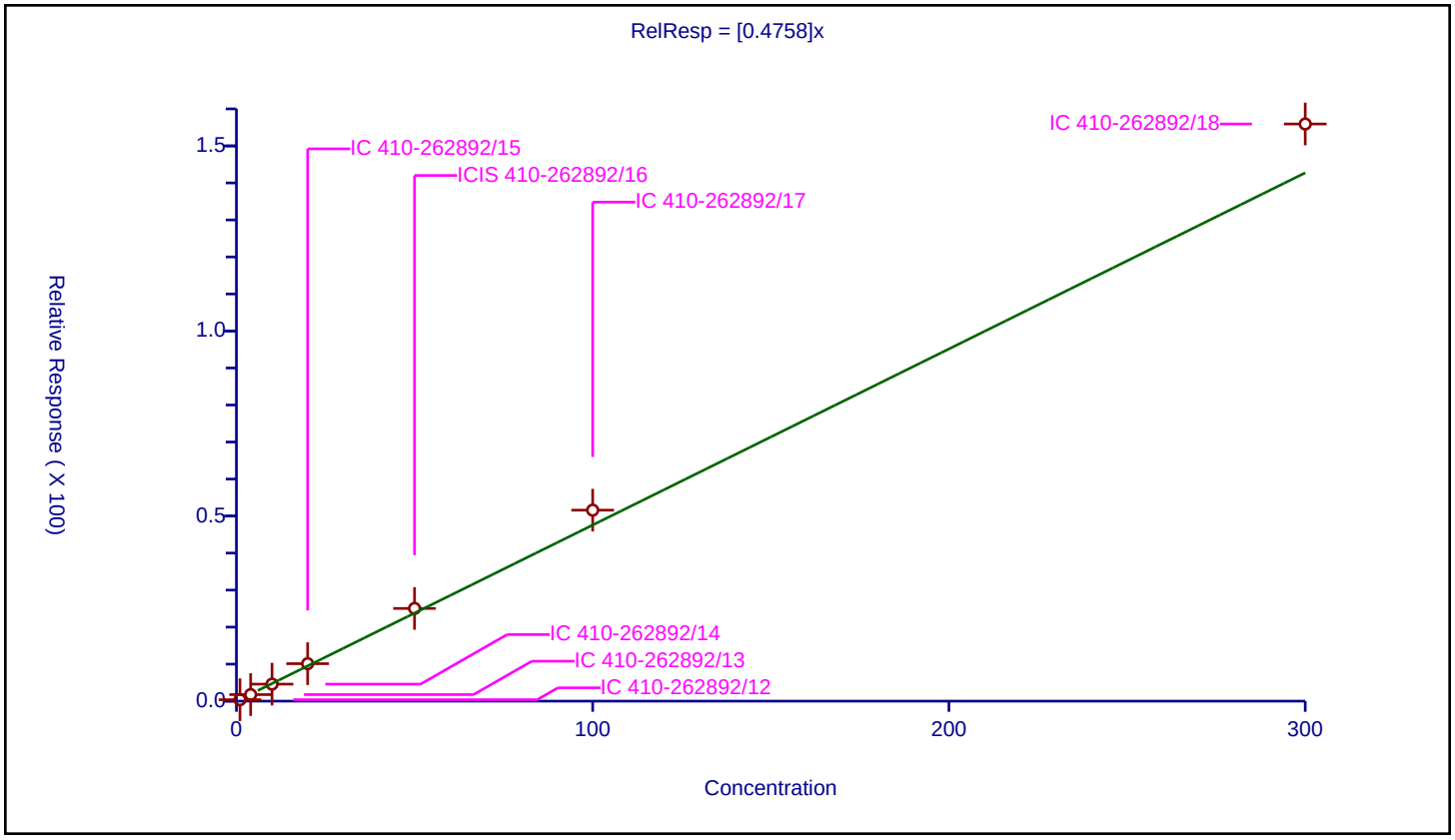
Curve Coefficients

Intercept:	0
Slope:	0.4758

Error Coefficients

Standard Error:	995000
Relative Standard Error:	10.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.387079	50.0	696627.0	0.387079	Y
2	IC 410-262892/13	4.0	1.765317	50.0	715424.0	0.441329	Y
3	IC 410-262892/14	10.0	4.594594	50.0	725483.0	0.459459	Y
4	IC 410-262892/15	20.0	10.117866	50.0	726675.0	0.505893	Y
5	ICIS 410-262892/16	50.0	25.045238	50.0	753243.0	0.500905	Y
6	IC 410-262892/17	100.0	51.592743	50.0	759884.0	0.515927	Y
7	IC 410-262892/18	300.0	155.918107	50.0	728434.0	0.519727	Y



Calibration / Methyl methacrylate

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

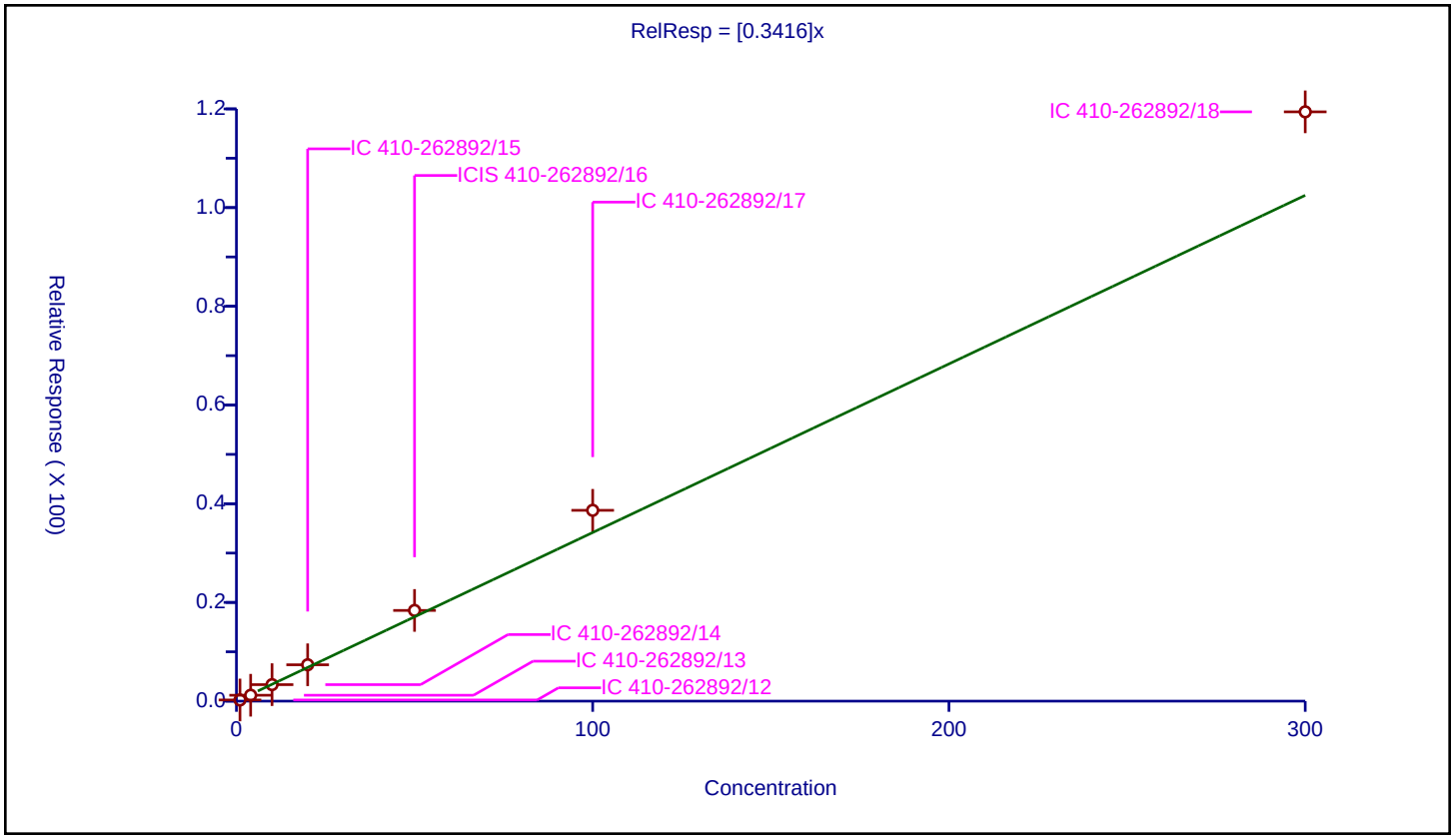
Curve Coefficients

Intercept:	0
Slope:	0.3416

Error Coefficients

Standard Error:	760000
Relative Standard Error:	16.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.237214	50.0	696627.0	0.237214	Y
2	IC 410-262892/13	4.0	1.195864	50.0	715424.0	0.298966	Y
3	IC 410-262892/14	10.0	3.345358	50.0	725483.0	0.334536	Y
4	IC 410-262892/15	20.0	7.369663	50.0	726675.0	0.368483	Y
5	ICIS 410-262892/16	50.0	18.376673	50.0	753243.0	0.367533	Y
6	IC 410-262892/17	100.0	38.661822	50.0	759884.0	0.386618	Y
7	IC 410-262892/18	300.0	119.403062	50.0	728434.0	0.39801	Y



Calibration / 1,4-Dioxane

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

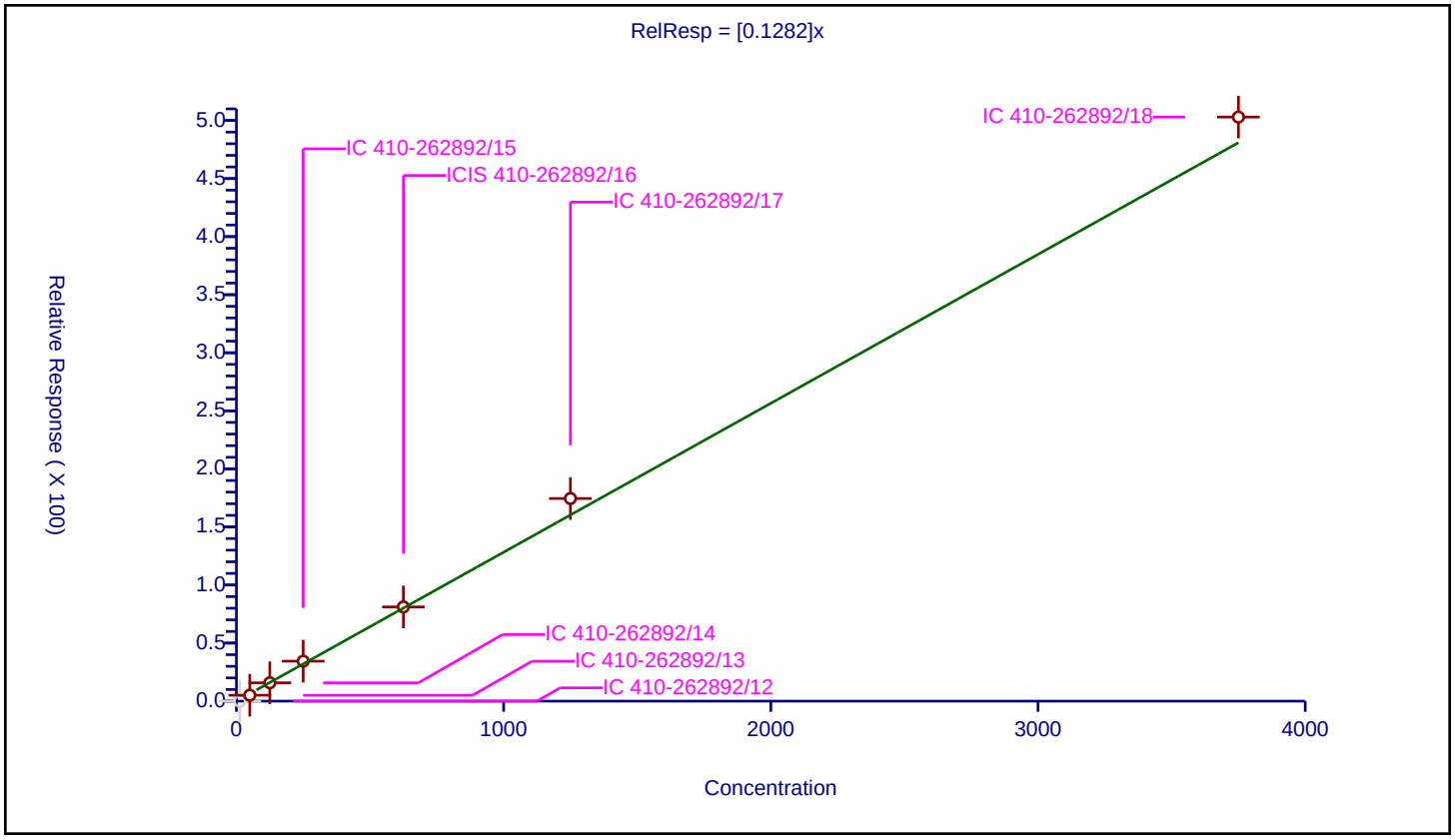
Curve Coefficients

Intercept:	0
Slope:	0.1282

Error Coefficients

Standard Error:	323000
Relative Standard Error:	10.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	12.5	0.0	250.0	335335.0	0.0	N
2	IC 410-262892/13	50.0	5.094971	250.0	336312.0	0.101899	Y
3	IC 410-262892/14	125.0	15.795957	250.0	352337.0	0.126368	Y
4	IC 410-262892/15	250.0	34.413967	250.0	356149.0	0.137656	Y
5	ICIS 410-262892/16	625.0	81.131335	250.0	360733.0	0.12981	Y
6	IC 410-262892/17	1250.0	174.513429	250.0	363462.0	0.139611	Y
7	IC 410-262892/18	3750.0	502.948001	250.0	330563.0	0.134119	Y



Calibration / Dibromomethane

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

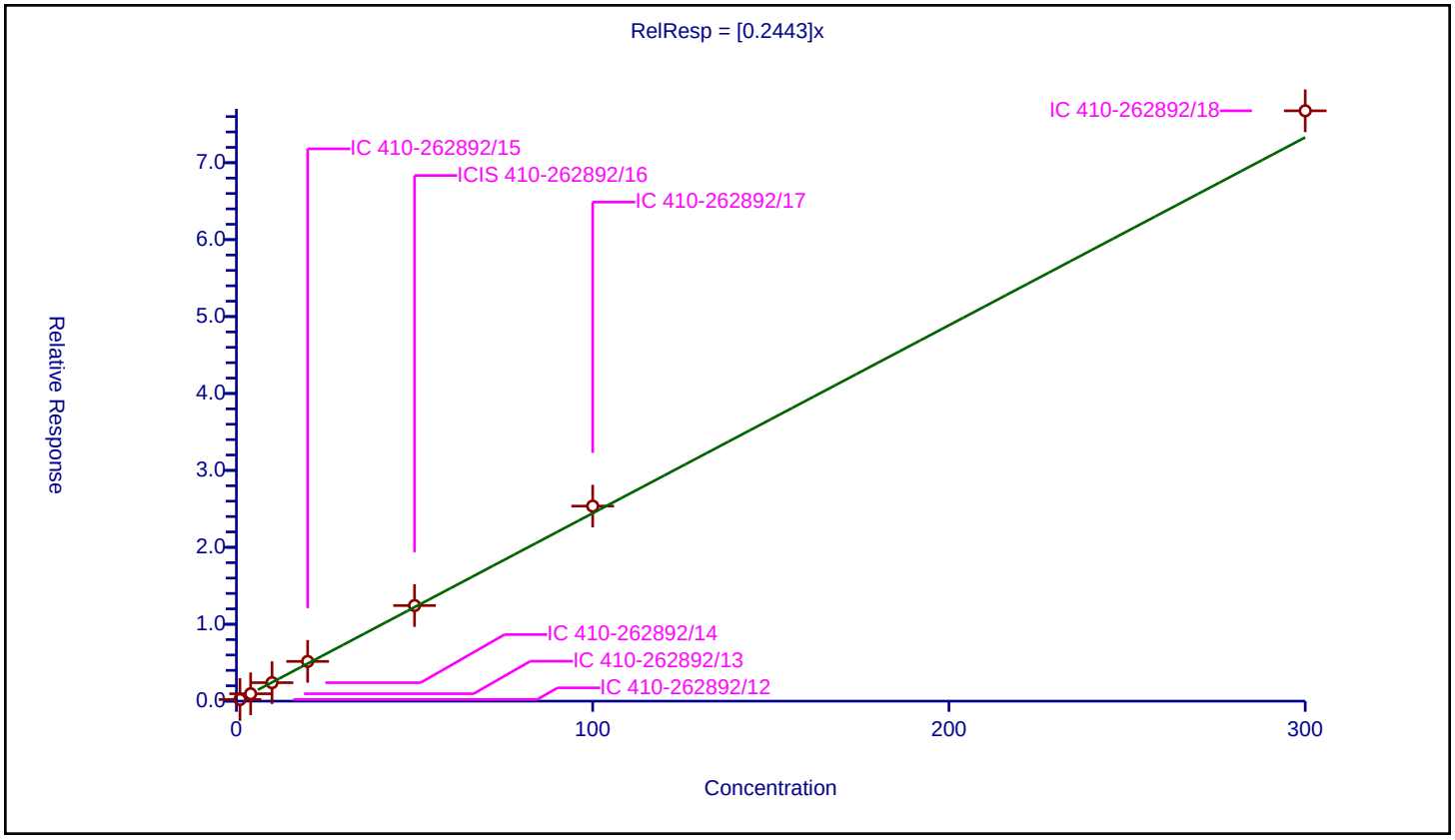
Curve Coefficients

Intercept:	0
Slope:	0.2443

Error Coefficients

Standard Error:	490000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.213098	50.0	696627.0	0.213098	Y
2	IC 410-262892/13	4.0	0.962576	50.0	715424.0	0.240644	Y
3	IC 410-262892/14	10.0	2.403089	50.0	725483.0	0.240309	Y
4	IC 410-262892/15	20.0	5.163725	50.0	726675.0	0.258186	Y
5	ICIS 410-262892/16	50.0	12.429853	50.0	753243.0	0.248597	Y
6	IC 410-262892/17	100.0	25.356173	50.0	759884.0	0.253562	Y
7	IC 410-262892/18	300.0	76.749232	50.0	728434.0	0.255831	Y



Calibration / Dichlorobromomethane

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

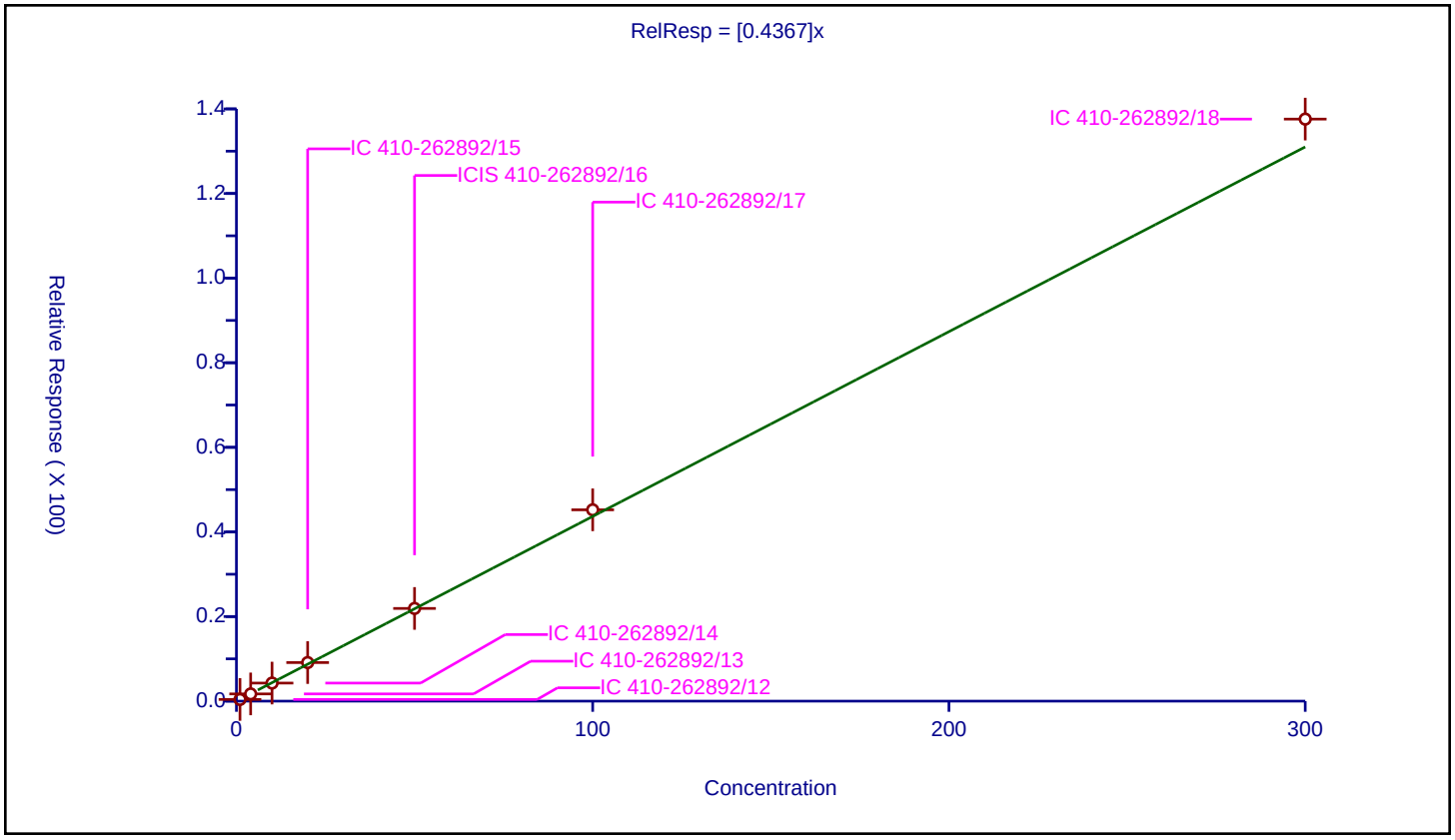
Curve Coefficients

Intercept:	0
Slope:	0.4367

Error Coefficients

Standard Error:	878000
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 410-262892/12	1.0	0.396841	50.0	696627.0	0.396841	Y
2	IC 410-262892/13	4.0	1.711223	50.0	715424.0	0.427806	Y
3	IC 410-262892/14	10.0	4.271155	50.0	725483.0	0.427115	Y
4	IC 410-262892/15	20.0	9.119827	50.0	726675.0	0.455991	Y
5	ICIS 410-262892/16	50.0	21.914376	50.0	753243.0	0.438288	Y
6	IC 410-262892/17	100.0	45.227429	50.0	759884.0	0.452274	Y
7	IC 410-262892/18	300.0	137.587619	50.0	728434.0	0.458625	Y



Calibration / 2-Nitropropane

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

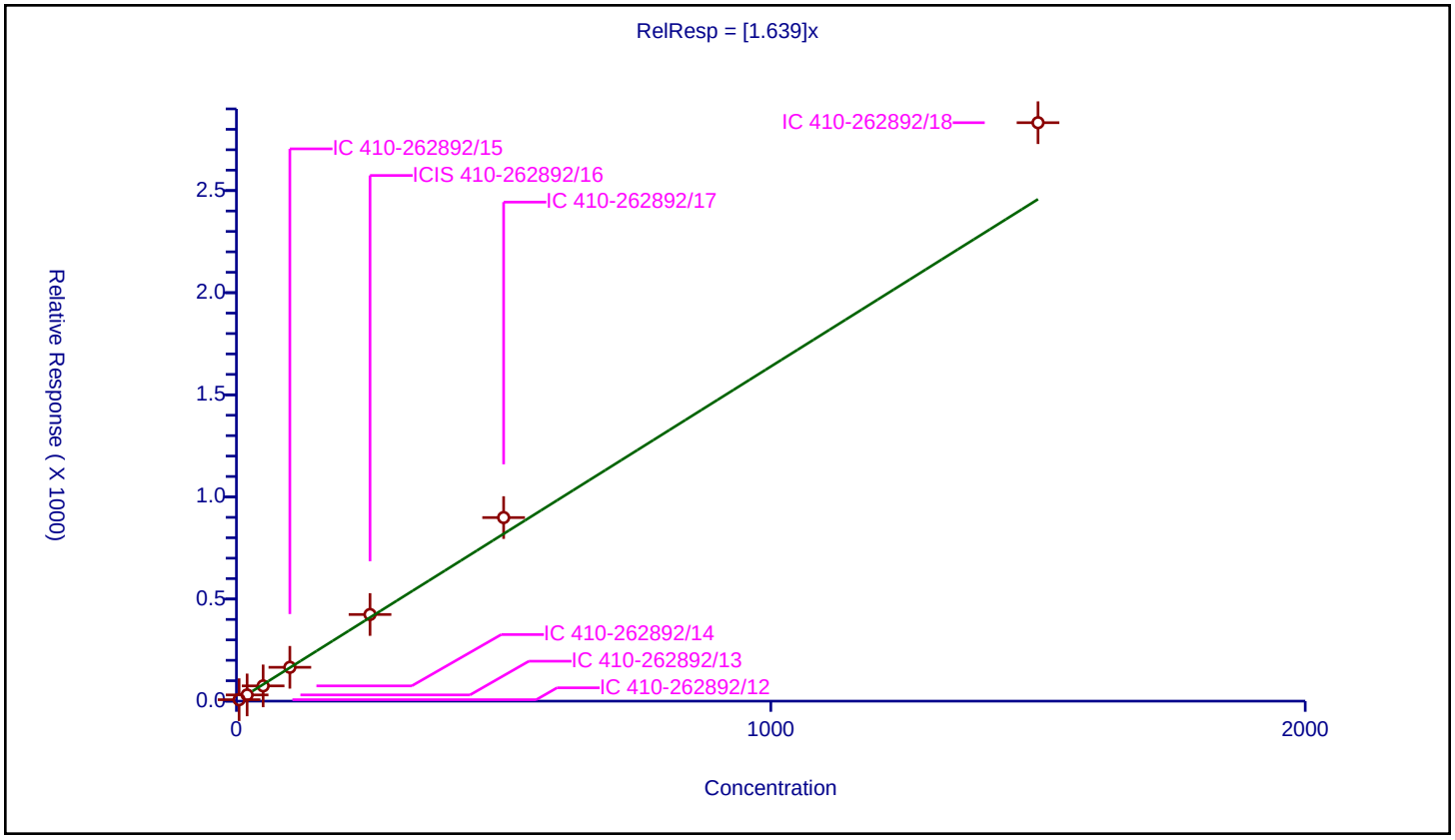
Curve Coefficients

Intercept:	0
Slope:	1.639

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	5.0	7.065323	250.0	335335.0	1.413065	Y
2	IC 410-262892/13	20.0	30.42859	250.0	336312.0	1.52143	Y
3	IC 410-262892/14	50.0	74.726753	250.0	352337.0	1.494535	Y
4	IC 410-262892/15	100.0	165.716456	250.0	356149.0	1.657165	Y
5	ICIS 410-262892/16	250.0	424.340856	250.0	360733.0	1.697363	Y
6	IC 410-262892/17	500.0	898.861504	250.0	363462.0	1.797723	Y
7	IC 410-262892/18	1500.0	2832.507722	250.0	330563.0	1.888338	Y



Calibration / 2-Chloroethyl vinyl ether

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

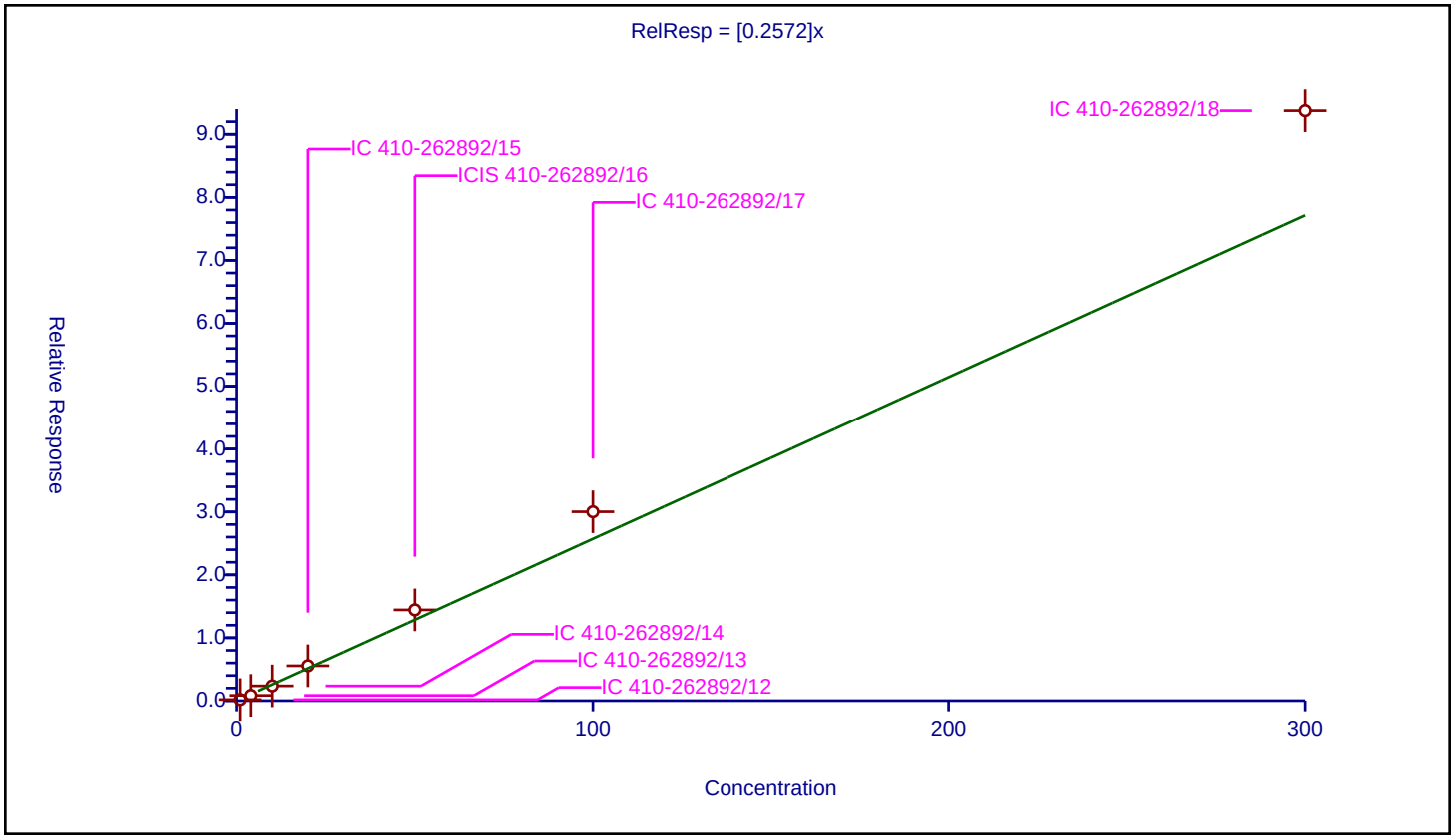
Curve Coefficients

Intercept:	0
Slope:	0.2572

Error Coefficients

Standard Error:	596000
Relative Standard Error:	19.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.176637	50.0	696627.0	0.176637	Y
2	IC 410-262892/13	4.0	0.839013	50.0	715424.0	0.209753	Y
3	IC 410-262892/14	10.0	2.350365	50.0	725483.0	0.235037	Y
4	IC 410-262892/15	20.0	5.547528	50.0	726675.0	0.277376	Y
5	ICIS 410-262892/16	50.0	14.432262	50.0	753243.0	0.288645	Y
6	IC 410-262892/17	100.0	30.030439	50.0	759884.0	0.300304	Y
7	IC 410-262892/18	300.0	93.744663	50.0	728434.0	0.312482	Y



Calibration / cis-1,3-Dichloropropene

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

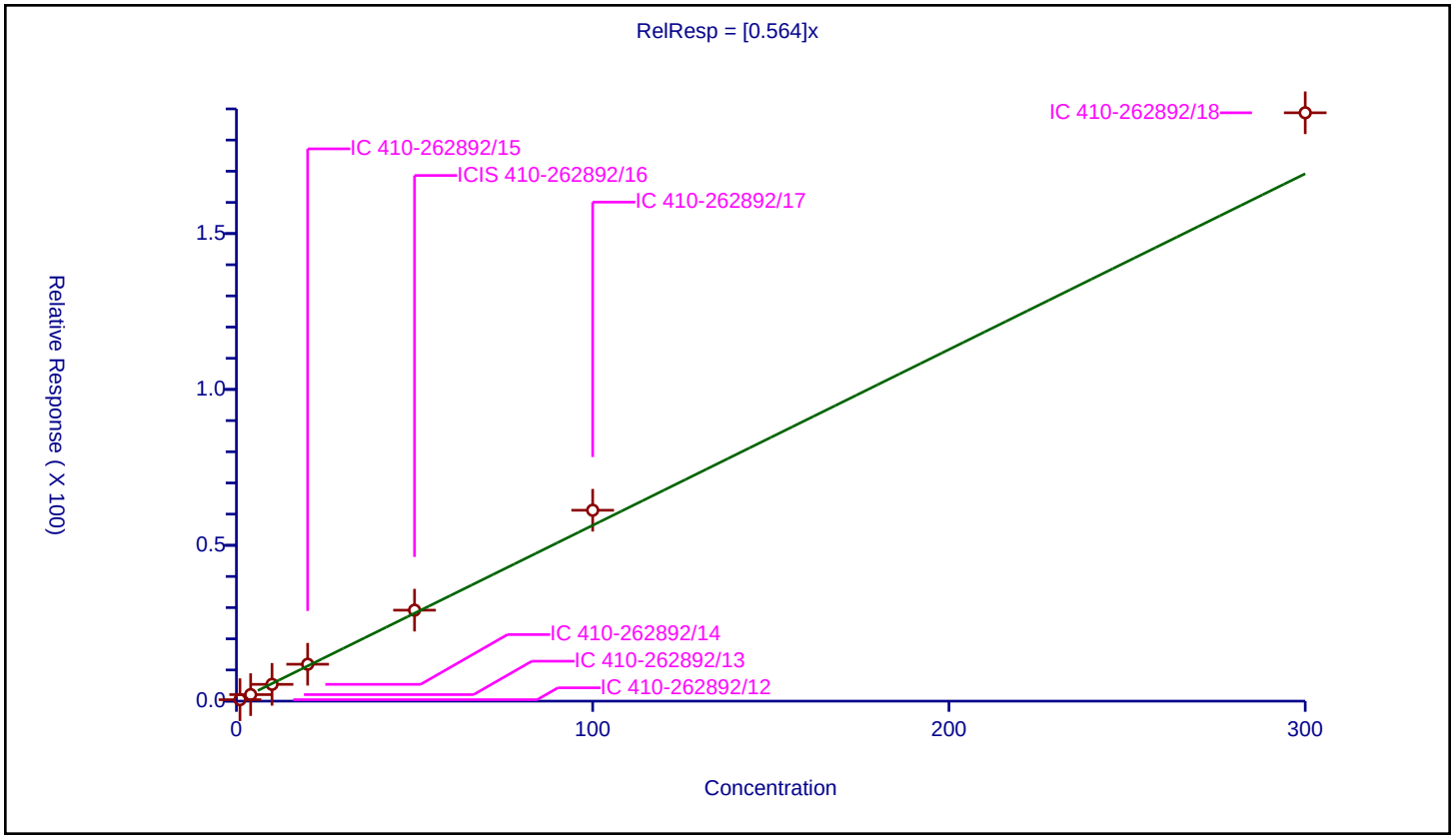
Curve Coefficients

Intercept:	0
Slope:	0.564

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	10.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.467323	50.0	696627.0	0.467323	Y
2	IC 410-262892/13	4.0	2.101621	50.0	715424.0	0.525405	Y
3	IC 410-262892/14	10.0	5.383724	50.0	725483.0	0.538372	Y
4	IC 410-262892/15	20.0	11.835965	50.0	726675.0	0.591798	Y
5	ICIS 410-262892/16	50.0	29.180291	50.0	753243.0	0.583606	Y
6	IC 410-262892/17	100.0	61.238689	50.0	759884.0	0.612387	Y
7	IC 410-262892/18	300.0	188.756222	50.0	728434.0	0.629187	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

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

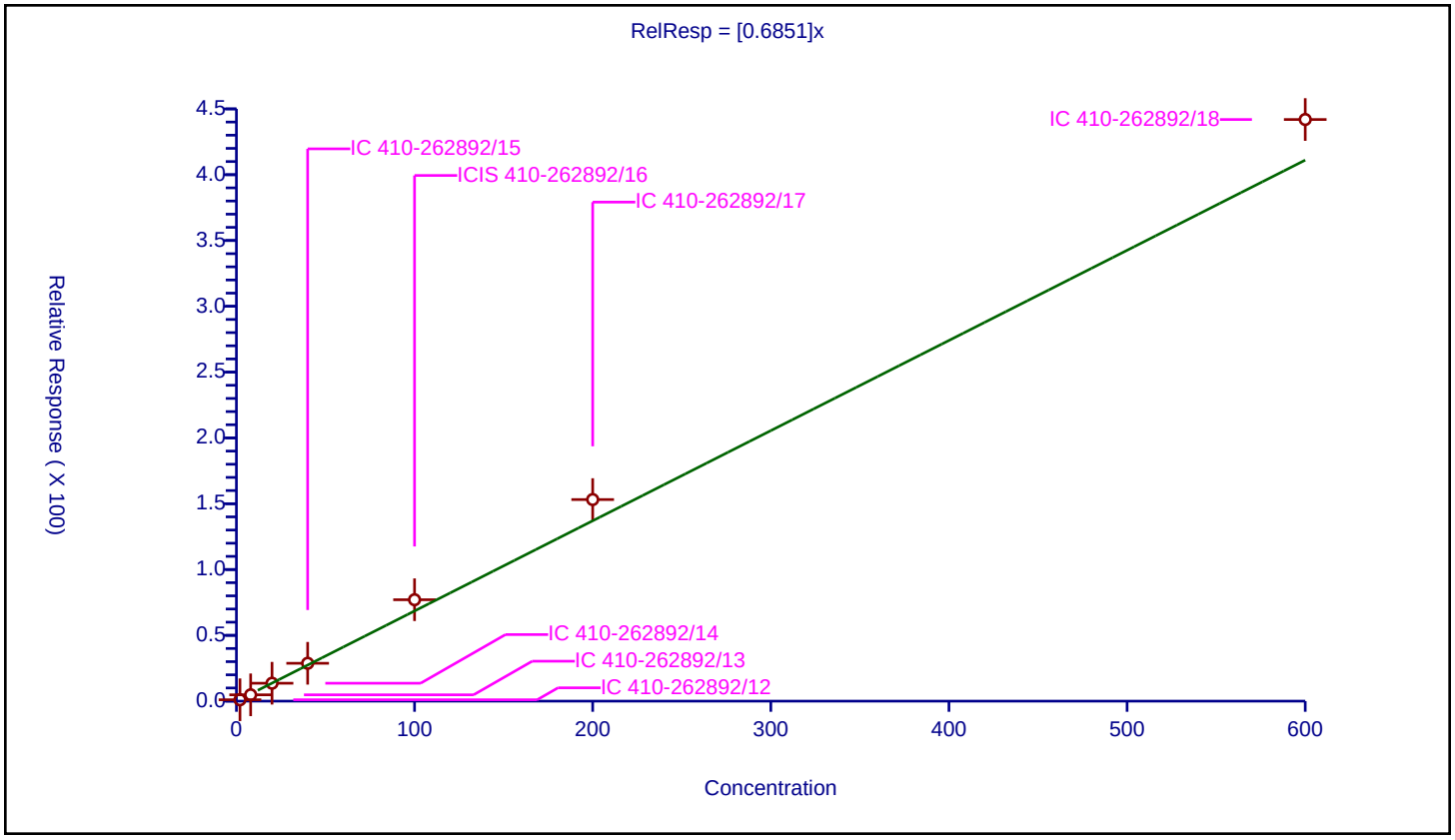
Curve Coefficients

Intercept:	0
Slope:	0.6851

Error Coefficients

Standard Error:	2840000
Relative Standard Error:	13.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	2.0	1.044892	50.0	696627.0	0.522446	Y
2	IC 410-262892/13	8.0	4.809665	50.0	715424.0	0.601208	Y
3	IC 410-262892/14	20.0	13.609485	50.0	725483.0	0.680474	Y
4	IC 410-262892/15	40.0	28.758248	50.0	726675.0	0.718956	Y
5	ICIS 410-262892/16	100.0	77.046783	50.0	753243.0	0.770468	Y
6	IC 410-262892/17	200.0	153.154231	50.0	759884.0	0.765771	Y
7	IC 410-262892/18	600.0	441.933037	50.0	728434.0	0.736555	Y



Calibration / Toluene-d8 (Surr)

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

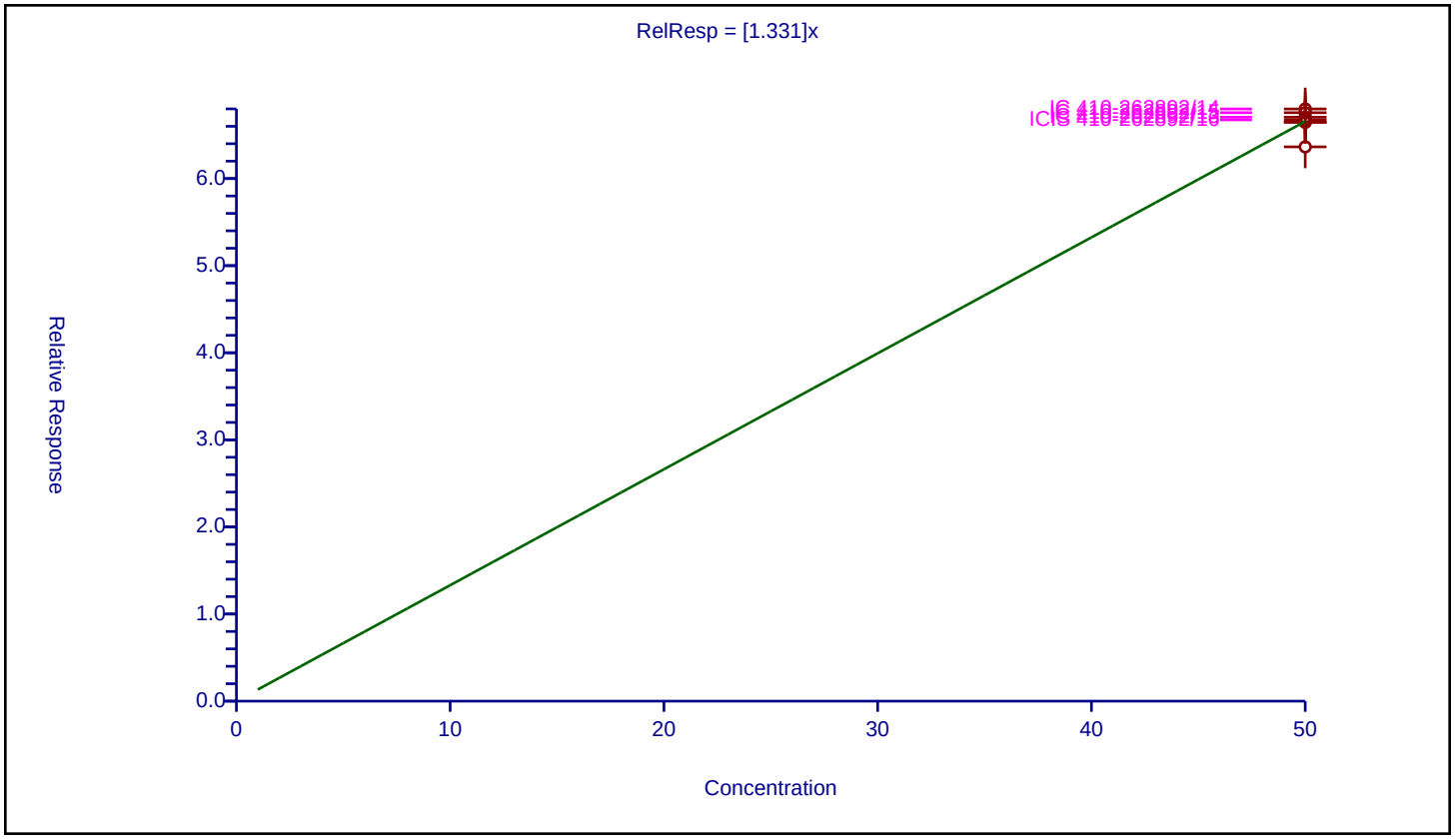
Curve Coefficients

Intercept:	0
Slope:	1.331

Error Coefficients

Standard Error:	788000
Relative Standard Error:	2.1
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	50.0	66.464773	50.0	506372.0	1.329295	Y
2	IC 410-262892/13	50.0	67.043483	50.0	524614.0	1.34087	Y
3	IC 410-262892/14	50.0	67.991617	50.0	529177.0	1.359832	Y
4	IC 410-262892/15	50.0	67.561671	50.0	534895.0	1.351233	Y
5	ICIS 410-262892/16	50.0	66.740576	50.0	566011.0	1.334812	Y
6	IC 410-262892/17	50.0	66.463469	50.0	578420.0	1.329269	Y
7	IC 410-262892/18	50.0	63.638017	50.0	596421.0	1.27276	Y



Calibration / Toluene

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

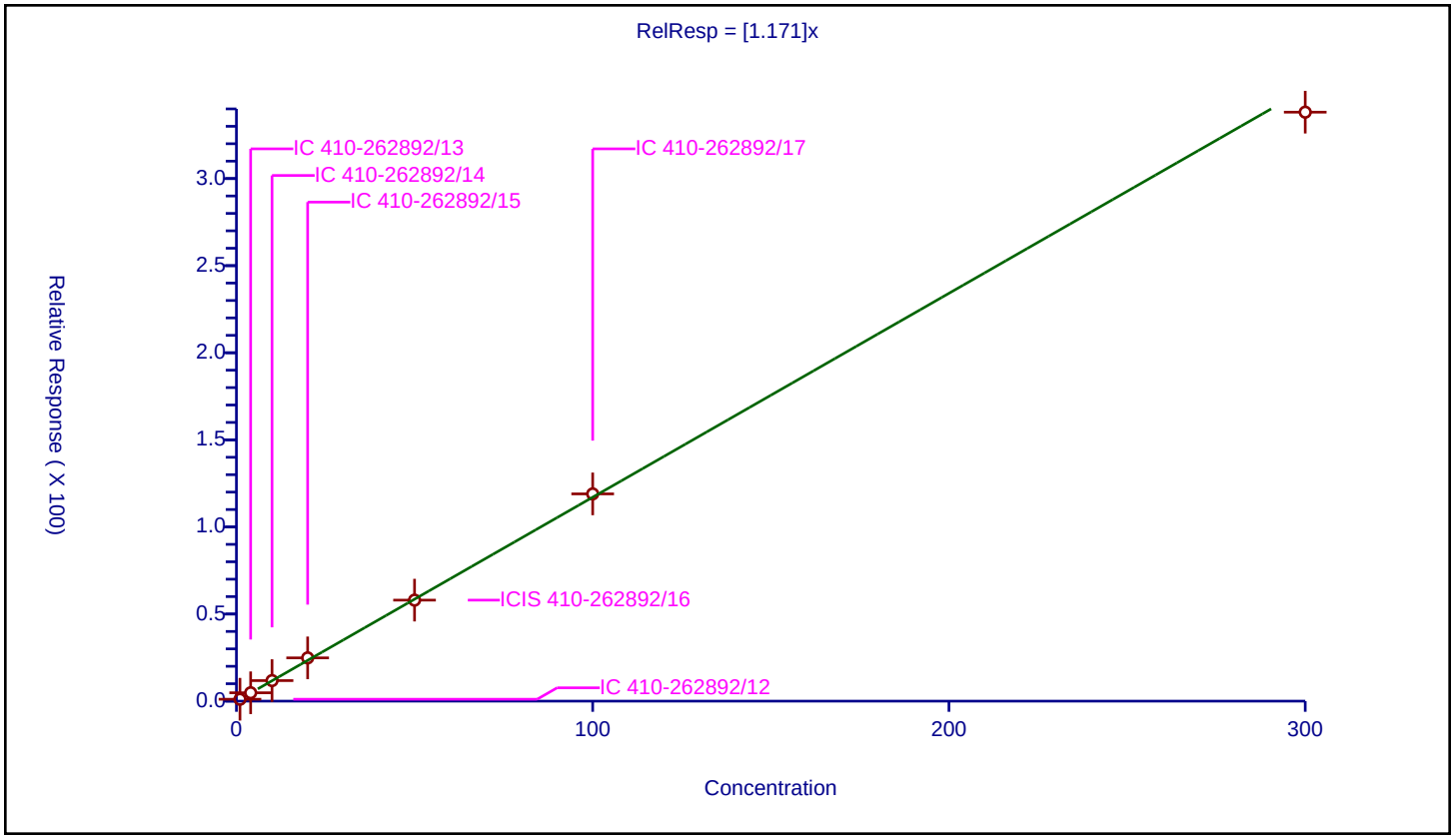
Curve Coefficients

Intercept:	0
Slope:	1.171

Error Coefficients

Standard Error:	1760000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.092872	50.0	506372.0	1.092872	Y
2	IC 410-262892/13	4.0	4.815064	50.0	524614.0	1.203766	Y
3	IC 410-262892/14	10.0	11.793313	50.0	529177.0	1.179331	Y
4	IC 410-262892/15	20.0	24.838987	50.0	534895.0	1.241949	Y
5	ICIS 410-262892/16	50.0	57.982177	50.0	566011.0	1.159644	Y
6	IC 410-262892/17	100.0	118.984734	50.0	578420.0	1.189847	Y
7	IC 410-262892/18	300.0	338.117873	50.0	596421.0	1.12706	Y



Calibration / trans-1,3-Dichloropropene

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

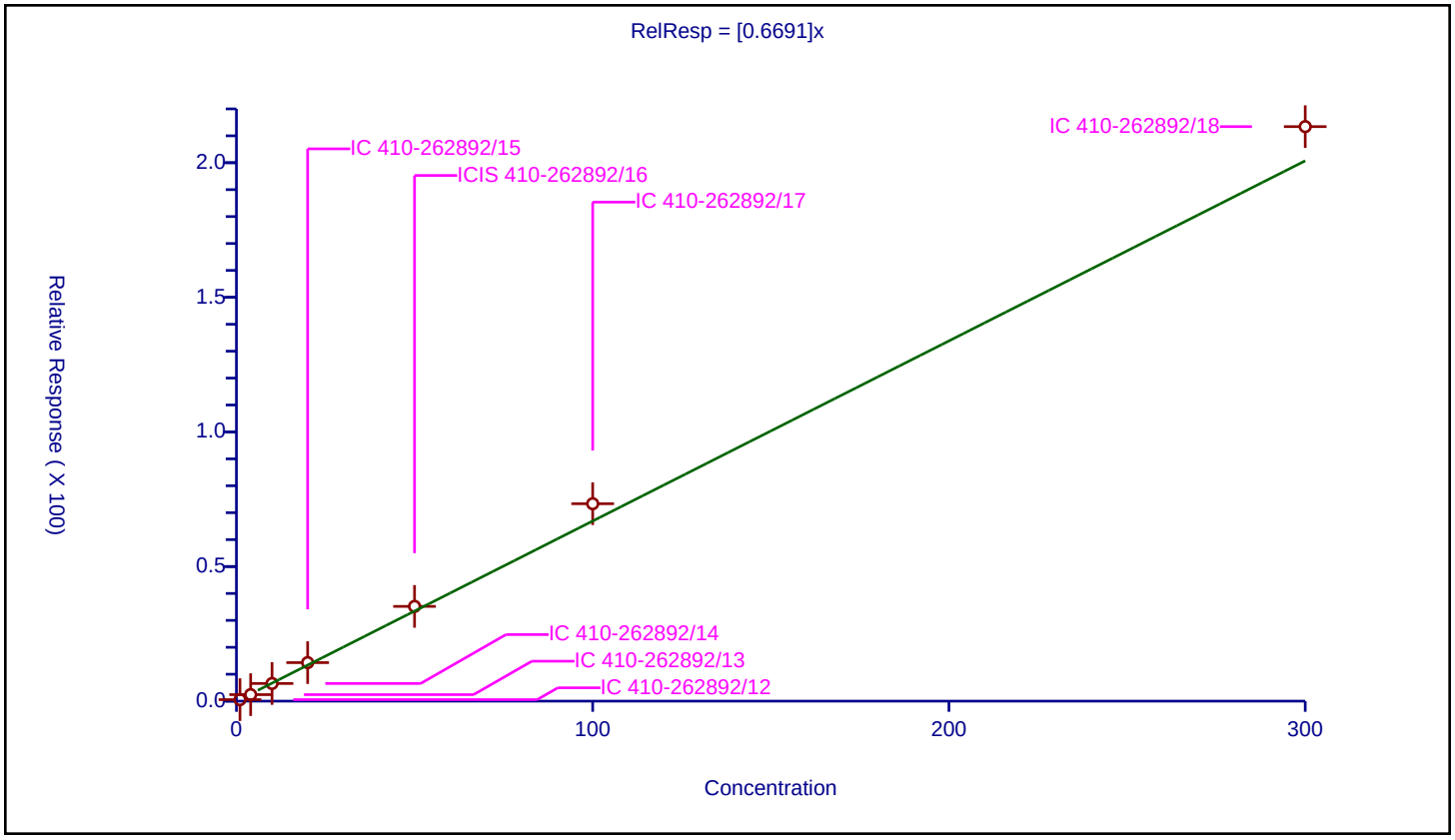
Curve Coefficients

Intercept:	0
Slope:	0.6691

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	9.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.559174	50.0	506372.0	0.559174	Y
2	IC 410-262892/13	4.0	2.420542	50.0	524614.0	0.605135	Y
3	IC 410-262892/14	10.0	6.552156	50.0	529177.0	0.655216	Y
4	IC 410-262892/15	20.0	14.306827	50.0	534895.0	0.715341	Y
5	ICIS 410-262892/16	50.0	35.193044	50.0	566011.0	0.703861	Y
6	IC 410-262892/17	100.0	73.334515	50.0	578420.0	0.733345	Y
7	IC 410-262892/18	300.0	213.414769	50.0	596421.0	0.711383	Y



Calibration / Ethyl methacrylate

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

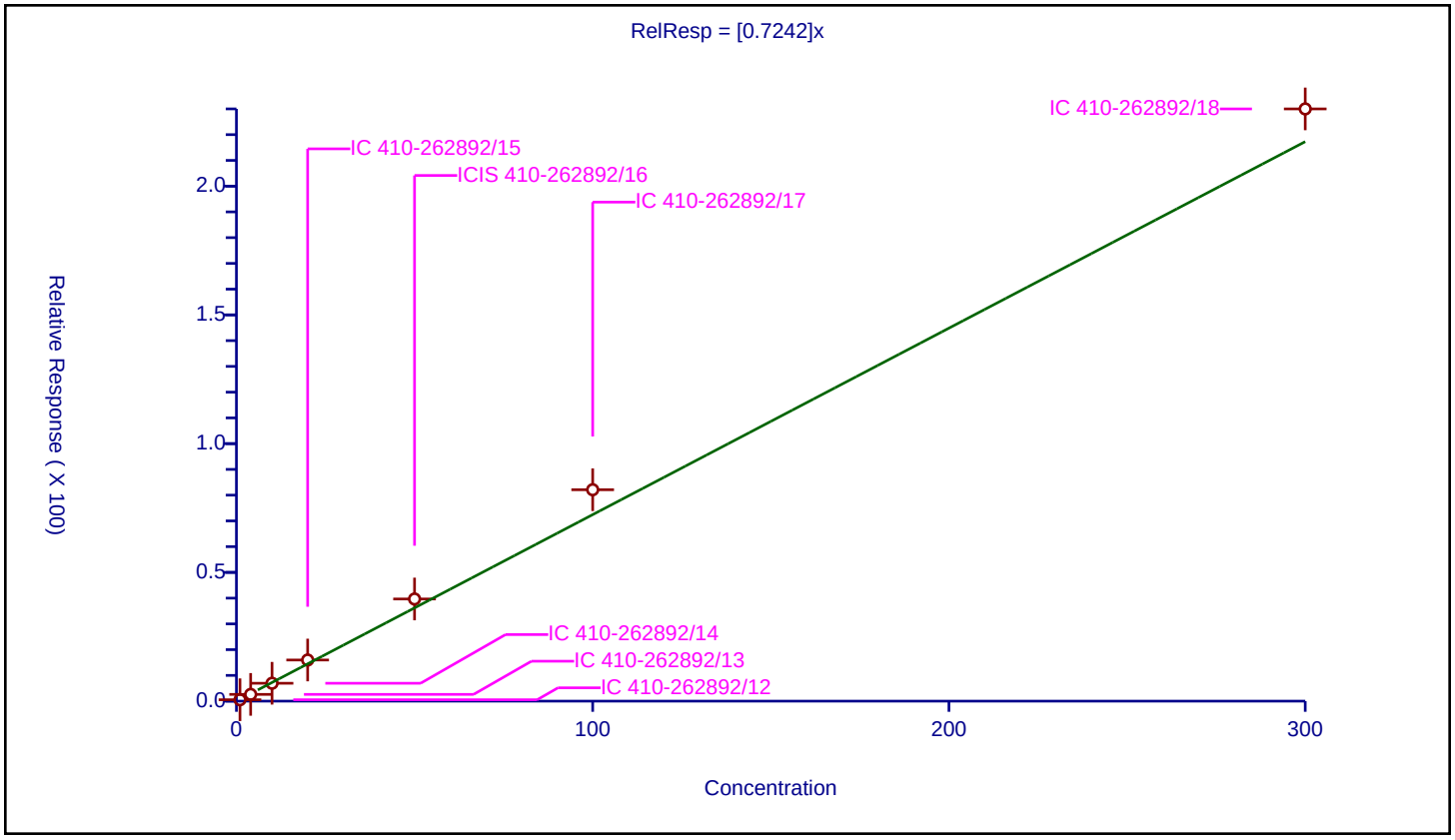
Curve Coefficients

Intercept:	0
Slope:	0.7242

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	13.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.539722	50.0	506372.0	0.539722	Y
2	IC 410-262892/13	4.0	2.624215	50.0	524614.0	0.656054	Y
3	IC 410-262892/14	10.0	6.942951	50.0	529177.0	0.694295	Y
4	IC 410-262892/15	20.0	15.971546	50.0	534895.0	0.798577	Y
5	ICIS 410-262892/16	50.0	39.670784	50.0	566011.0	0.793416	Y
6	IC 410-262892/17	100.0	82.103662	50.0	578420.0	0.821037	Y
7	IC 410-262892/18	300.0	229.985279	50.0	596421.0	0.766618	Y



Calibration / 1,1,2-Trichloroethane

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

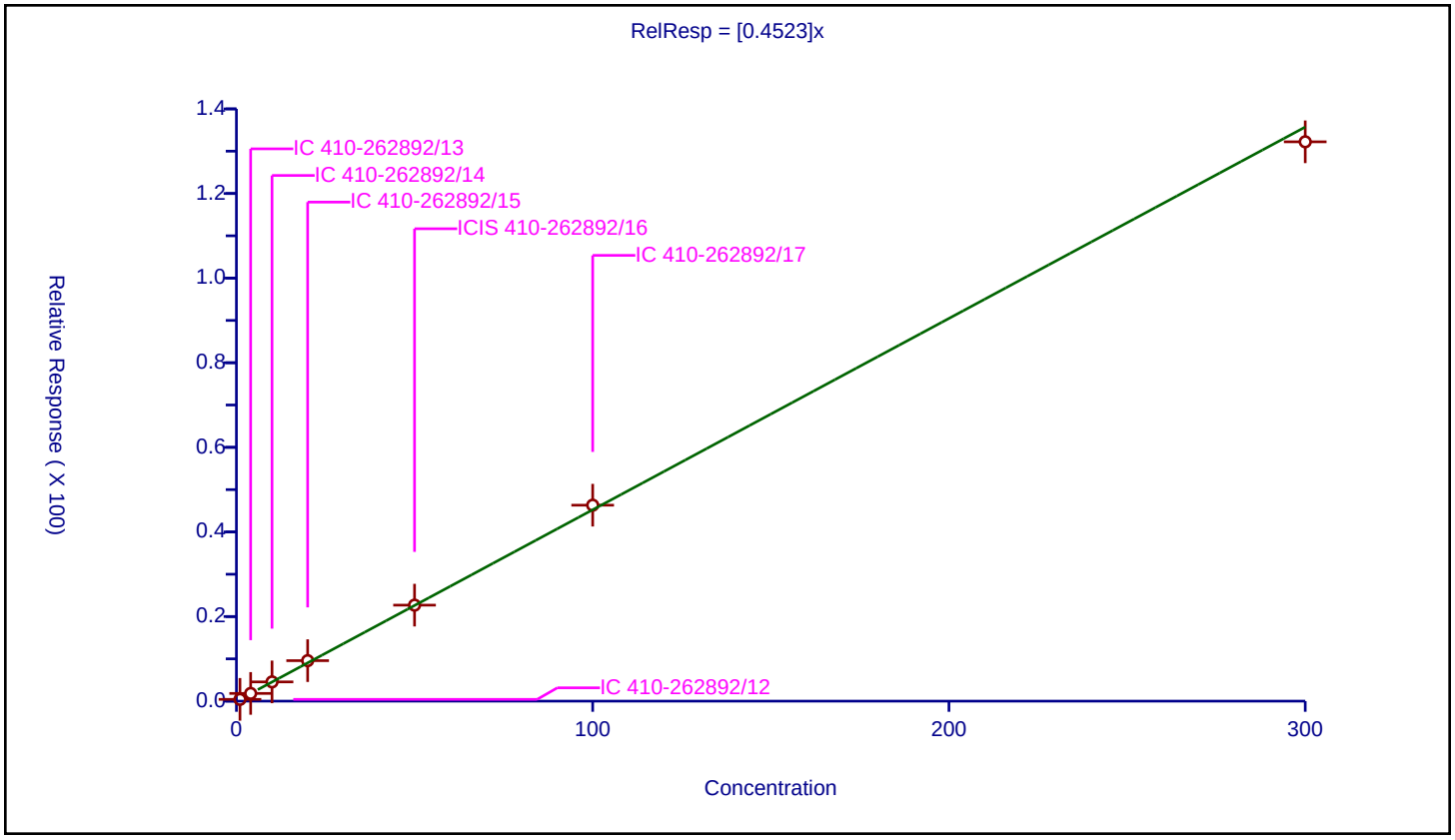
Curve Coefficients

Intercept:	0
Slope:	0.4523

Error Coefficients

Standard Error:	690000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.418961	50.0	506372.0	0.418961	Y
2	IC 410-262892/13	4.0	1.824198	50.0	524614.0	0.45605	Y
3	IC 410-262892/14	10.0	4.548667	50.0	529177.0	0.454867	Y
4	IC 410-262892/15	20.0	9.574589	50.0	534895.0	0.478729	Y
5	ICIS 410-262892/16	50.0	22.694435	50.0	566011.0	0.453889	Y
6	IC 410-262892/17	100.0	46.321618	50.0	578420.0	0.463216	Y
7	IC 410-262892/18	300.0	132.219607	50.0	596421.0	0.440732	Y



Calibration / Tetrachloroethene

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

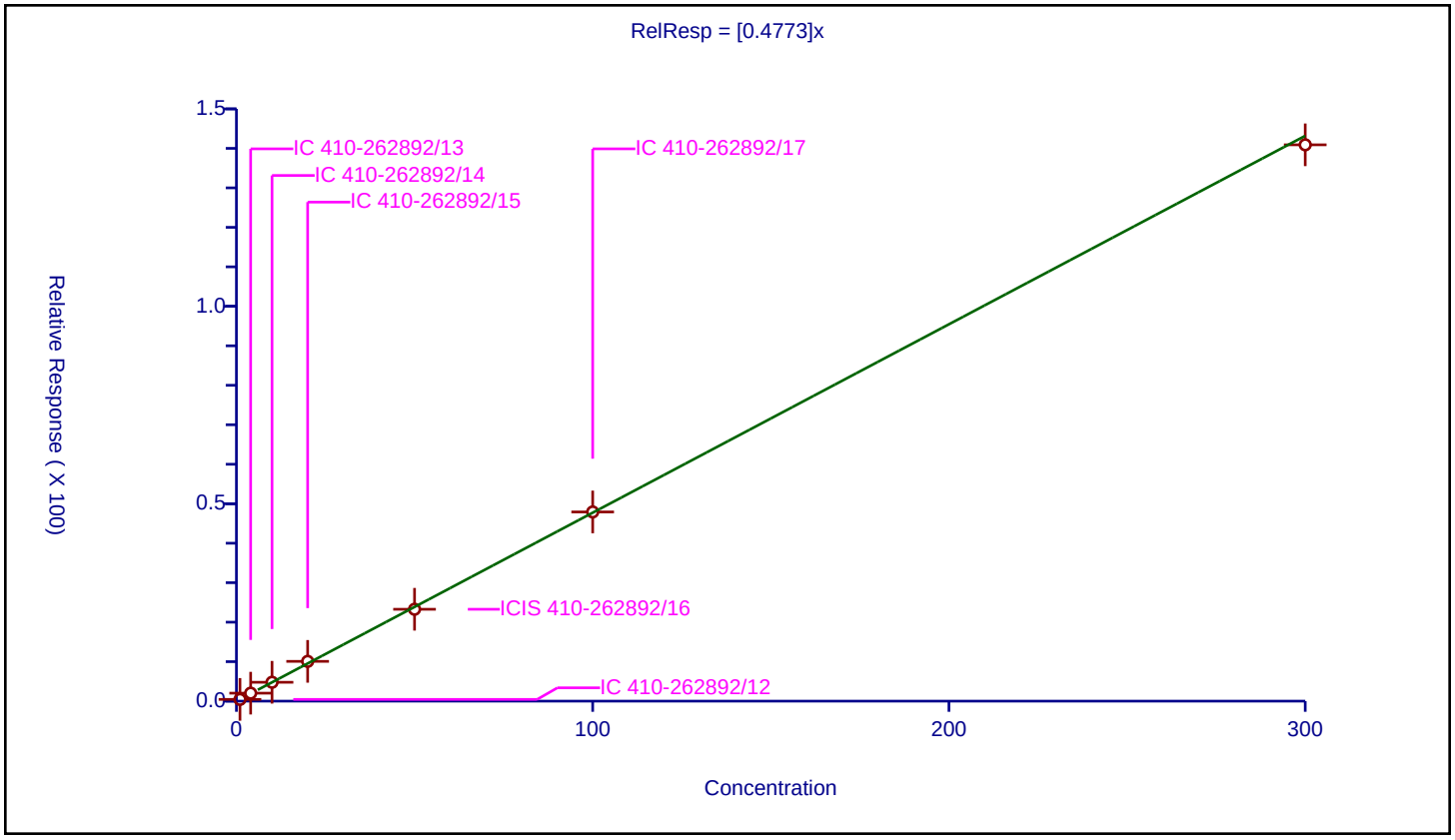
Curve Coefficients

Intercept:	0
Slope:	0.4773

Error Coefficients

Standard Error:	732000
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 410-262892/12	1.0	0.439697	50.0	506372.0	0.439697	Y
2	IC 410-262892/13	4.0	2.02101	50.0	524614.0	0.505252	Y
3	IC 410-262892/14	10.0	4.776852	50.0	529177.0	0.477685	Y
4	IC 410-262892/15	20.0	10.077866	50.0	534895.0	0.503893	Y
5	ICIS 410-262892/16	50.0	23.269777	50.0	566011.0	0.465396	Y
6	IC 410-262892/17	100.0	47.916739	50.0	578420.0	0.479167	Y
7	IC 410-262892/18	300.0	140.90089	50.0	596421.0	0.46967	Y



Calibration / 1,3-Dichloropropane

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

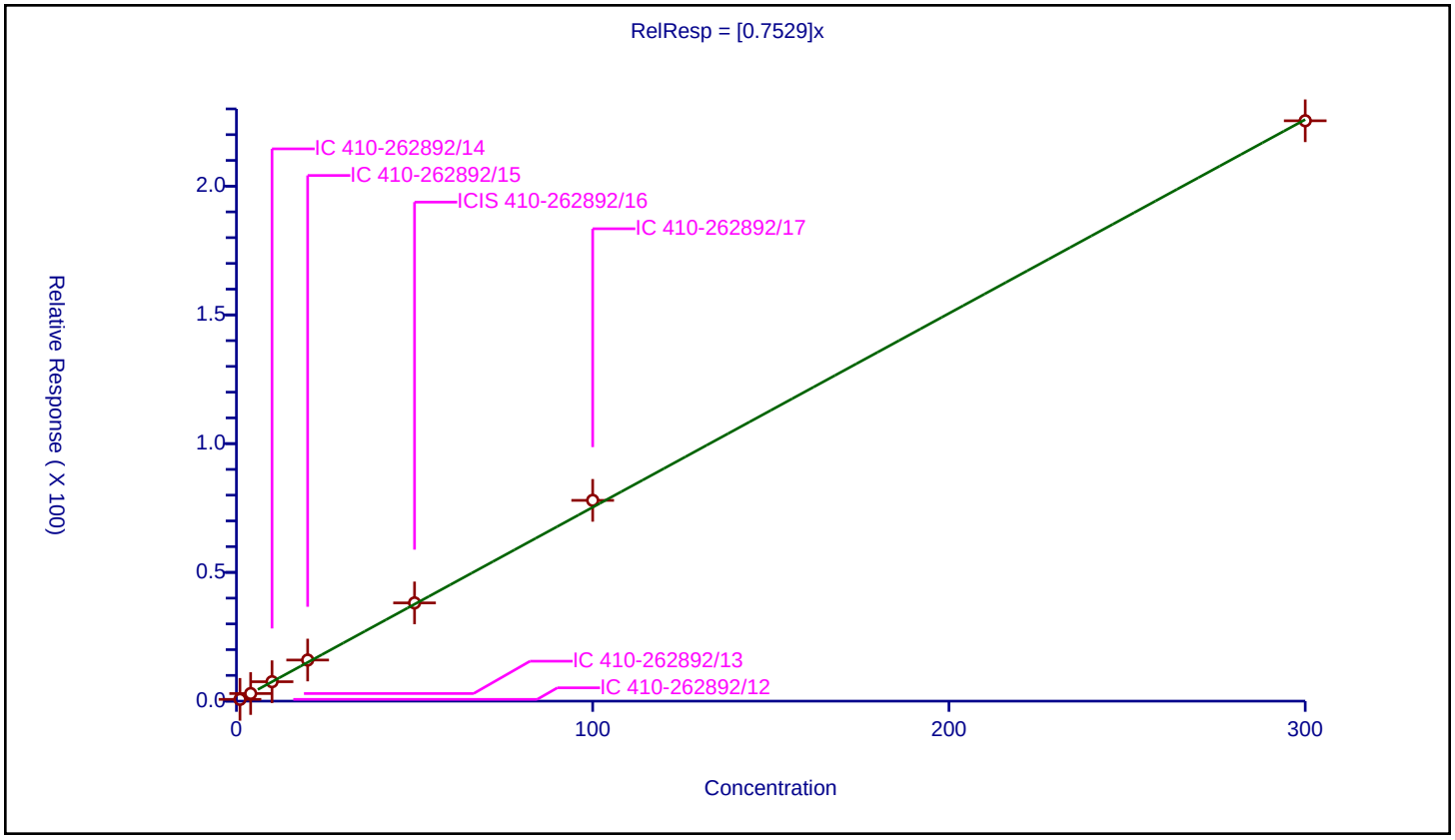
Curve Coefficients

Intercept:	0
Slope:	0.7529

Error Coefficients

Standard Error:	1170000
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 410-262892/12	1.0	0.684477	50.0	506372.0	0.684477	Y
2	IC 410-262892/13	4.0	2.955888	50.0	524614.0	0.738972	Y
3	IC 410-262892/14	10.0	7.541994	50.0	529177.0	0.754199	Y
4	IC 410-262892/15	20.0	15.966779	50.0	534895.0	0.798339	Y
5	ICIS 410-262892/16	50.0	38.154736	50.0	566011.0	0.763095	Y
6	IC 410-262892/17	100.0	77.975952	50.0	578420.0	0.77976	Y
7	IC 410-262892/18	300.0	225.390454	50.0	596421.0	0.751302	Y



Calibration / 2-Hexanone

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

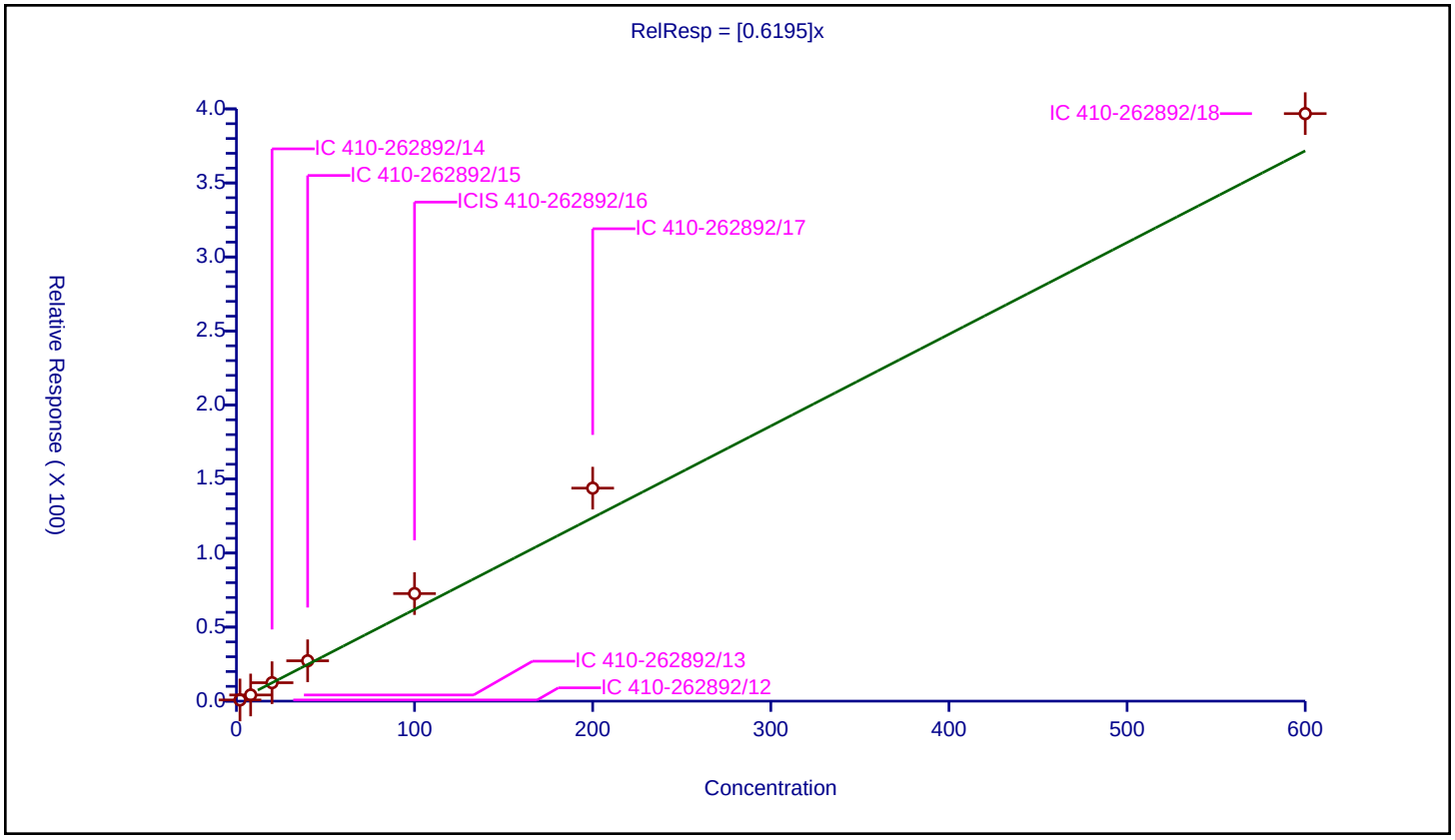
Curve Coefficients

Intercept:	0
Slope:	0.6195

Error Coefficients

Standard Error:	2080000
Relative Standard Error:	19.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	2.0	0.807805	50.0	506372.0	0.403903	Y
2	IC 410-262892/13	8.0	4.167254	50.0	524614.0	0.520907	Y
3	IC 410-262892/14	20.0	12.456229	50.0	529177.0	0.622811	Y
4	IC 410-262892/15	40.0	27.261986	50.0	534895.0	0.68155	Y
5	ICIS 410-262892/16	100.0	72.639401	50.0	566011.0	0.726394	Y
6	IC 410-262892/17	200.0	143.861035	50.0	578420.0	0.719305	Y
7	IC 410-262892/18	600.0	396.792199	50.0	596421.0	0.66132	Y



Calibration / Chlorodibromomethane

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

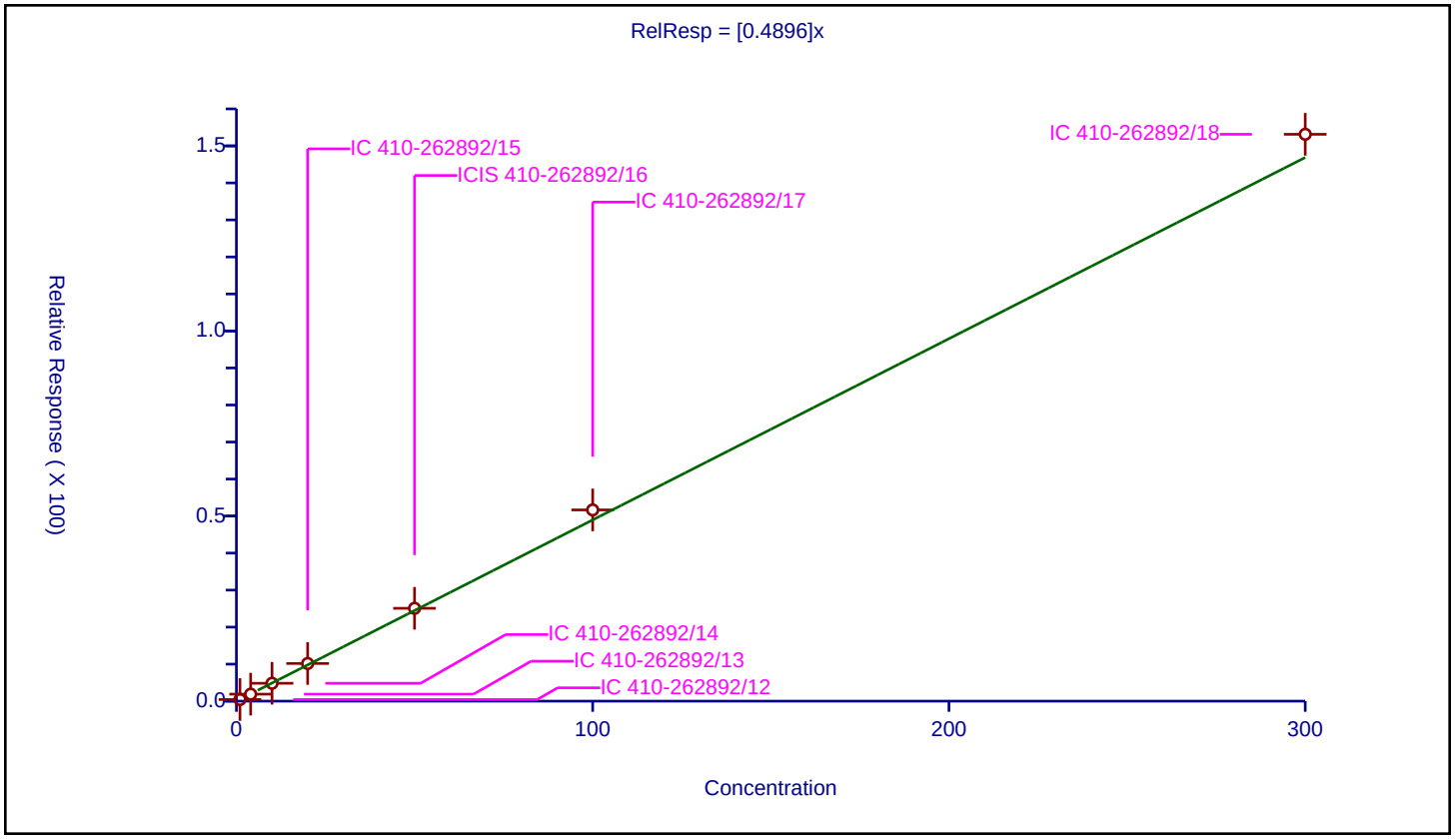
Curve Coefficients

Intercept:	0
Slope:	0.4896

Error Coefficients

Standard Error:	795000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.435846	50.0	506372.0	0.435846	Y
2	IC 410-262892/13	4.0	1.887006	50.0	524614.0	0.471752	Y
3	IC 410-262892/14	10.0	4.822394	50.0	529177.0	0.482239	Y
4	IC 410-262892/15	20.0	10.170688	50.0	534895.0	0.508534	Y
5	ICIS 410-262892/16	50.0	25.076456	50.0	566011.0	0.501529	Y
6	IC 410-262892/17	100.0	51.662633	50.0	578420.0	0.516626	Y
7	IC 410-262892/18	300.0	153.137465	50.0	596421.0	0.510458	Y



Calibration / Ethylene Dibromide

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

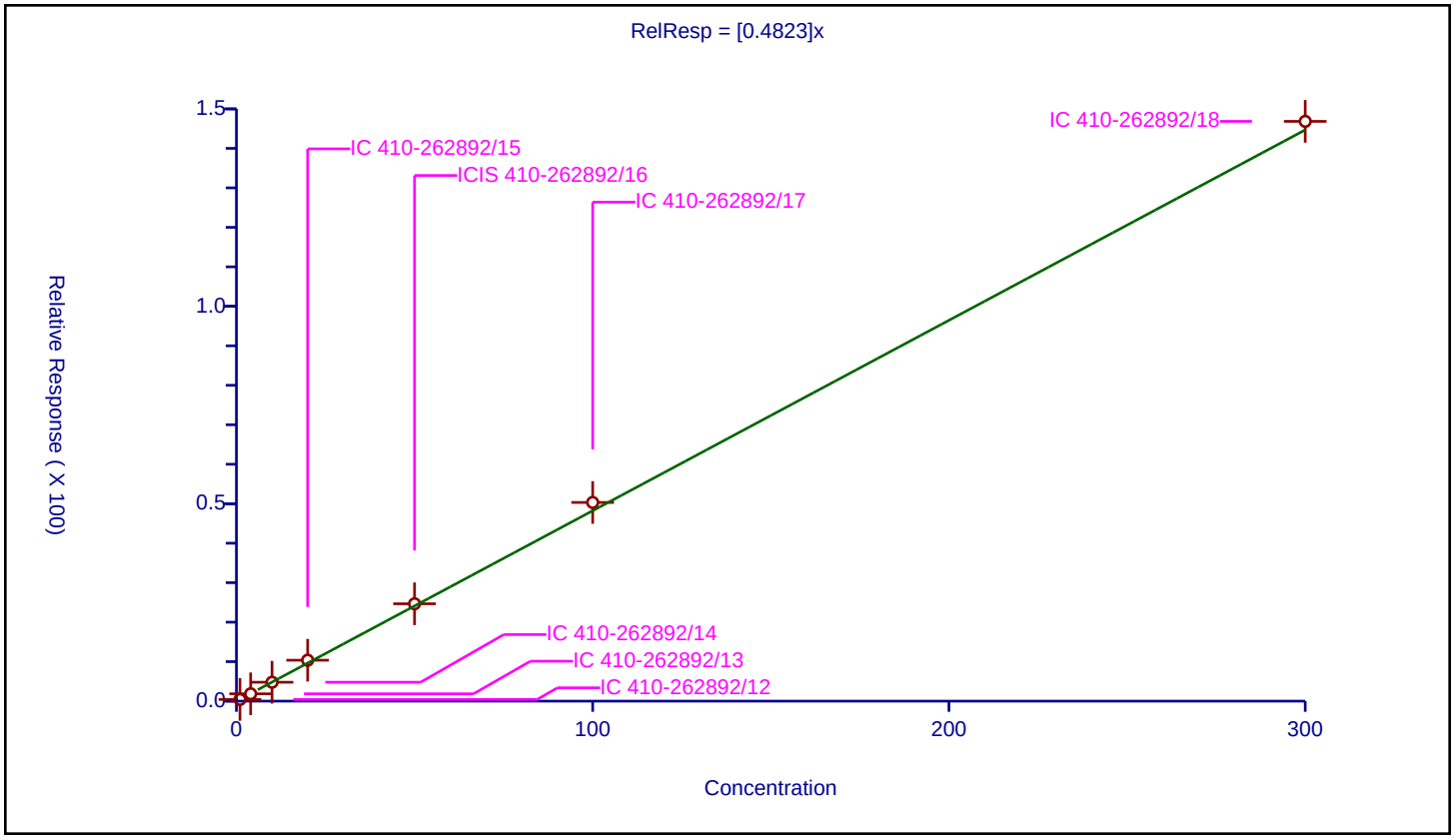
Curve Coefficients

Intercept:	0
Slope:	0.4823

Error Coefficients

Standard Error:	764000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.427946	50.0	506372.0	0.427946	Y
2	IC 410-262892/13	4.0	1.860892	50.0	524614.0	0.465223	Y
3	IC 410-262892/14	10.0	4.784222	50.0	529177.0	0.478422	Y
4	IC 410-262892/15	20.0	10.366147	50.0	534895.0	0.518307	Y
5	ICIS 410-262892/16	50.0	24.659503	50.0	566011.0	0.49319	Y
6	IC 410-262892/17	100.0	50.319318	50.0	578420.0	0.503193	Y
7	IC 410-262892/18	300.0	146.841158	50.0	596421.0	0.489471	Y



Calibration / 1-Chlorohexane

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

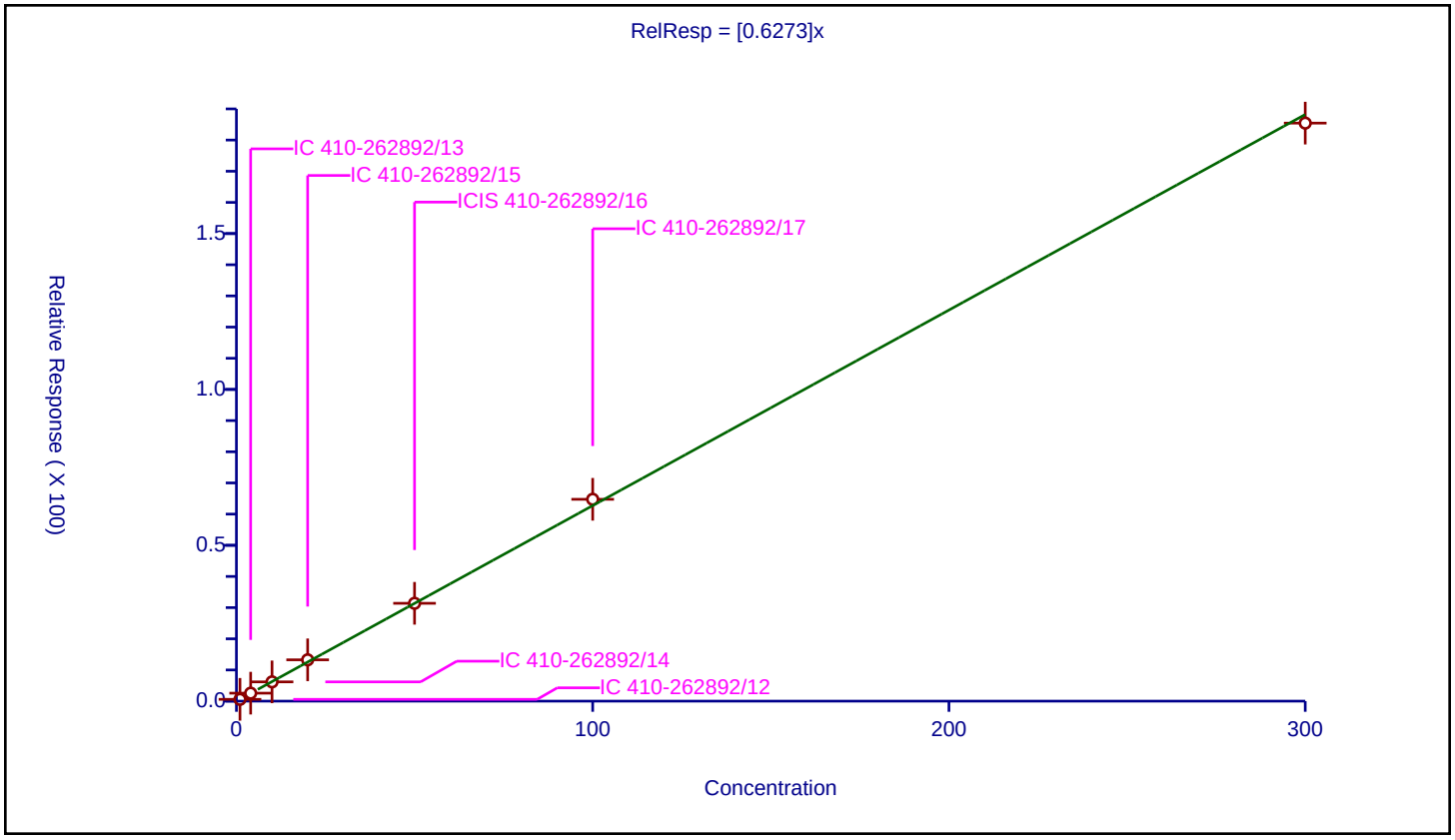
Curve Coefficients

Intercept:	0
Slope:	0.6273

Error Coefficients

Standard Error:	966000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.577836	50.0	506372.0	0.577836	Y
2	IC 410-262892/13	4.0	2.557499	50.0	524614.0	0.639375	Y
3	IC 410-262892/14	10.0	6.178084	50.0	529177.0	0.617808	Y
4	IC 410-262892/15	20.0	13.258116	50.0	534895.0	0.662906	Y
5	ICIS 410-262892/16	50.0	31.387376	50.0	566011.0	0.627748	Y
6	IC 410-262892/17	100.0	64.752861	50.0	578420.0	0.647529	Y
7	IC 410-262892/18	300.0	185.433108	50.0	596421.0	0.61811	Y



Calibration / Chlorobenzene

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

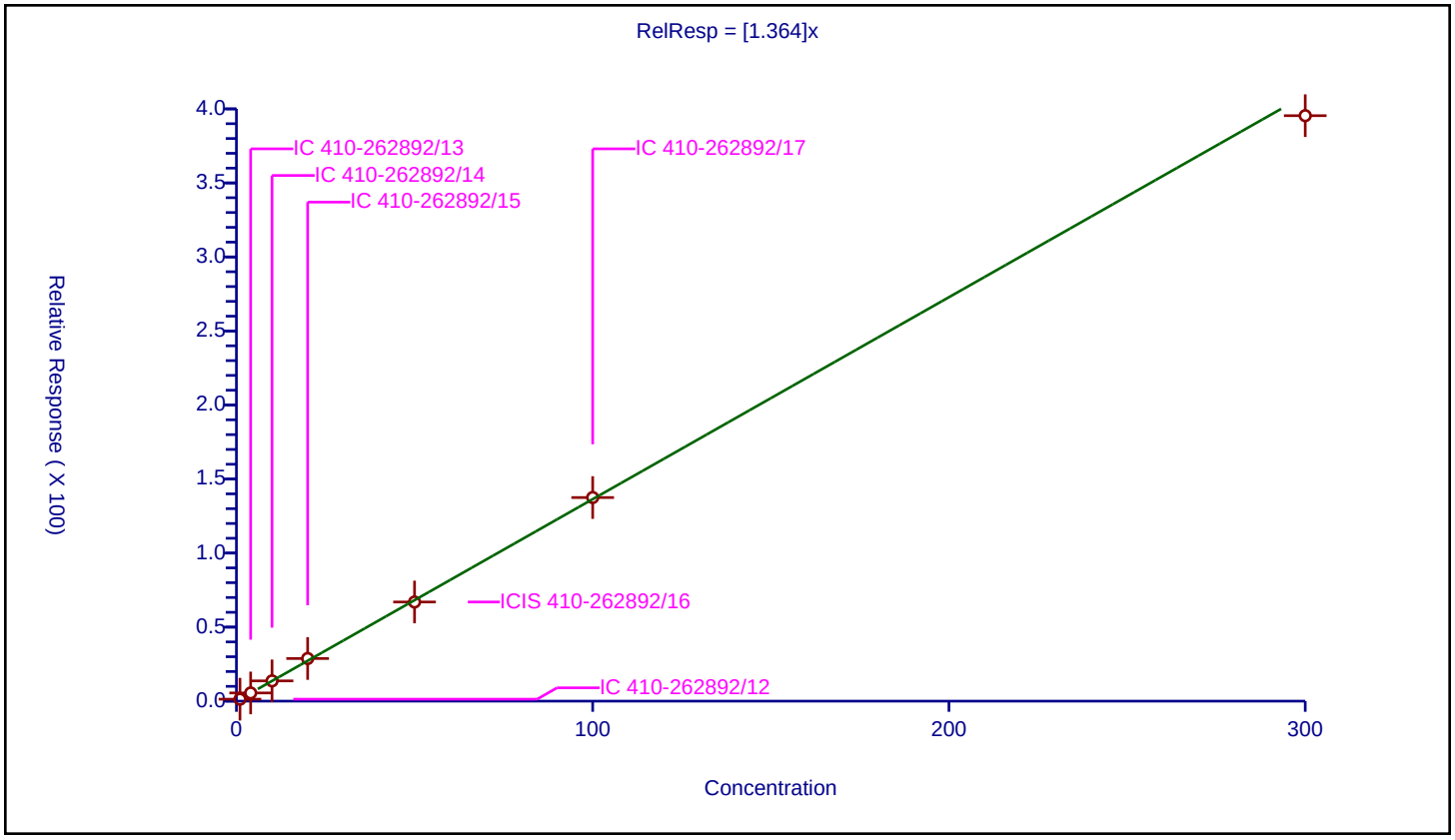
Curve Coefficients

Intercept:	0
Slope:	1.364

Error Coefficients

Standard Error:	2060000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.325409	50.0	506372.0	1.325409	Y
2	IC 410-262892/13	4.0	5.5375	50.0	524614.0	1.384375	Y
3	IC 410-262892/14	10.0	13.673119	50.0	529177.0	1.367312	Y
4	IC 410-262892/15	20.0	28.78406	50.0	534895.0	1.439203	Y
5	ICIS 410-262892/16	50.0	66.964865	50.0	566011.0	1.339297	Y
6	IC 410-262892/17	100.0	137.513226	50.0	578420.0	1.375132	Y
7	IC 410-262892/18	300.0	395.416577	50.0	596421.0	1.318055	Y



Calibration / 1,1,1,2-Tetrachloroethane

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

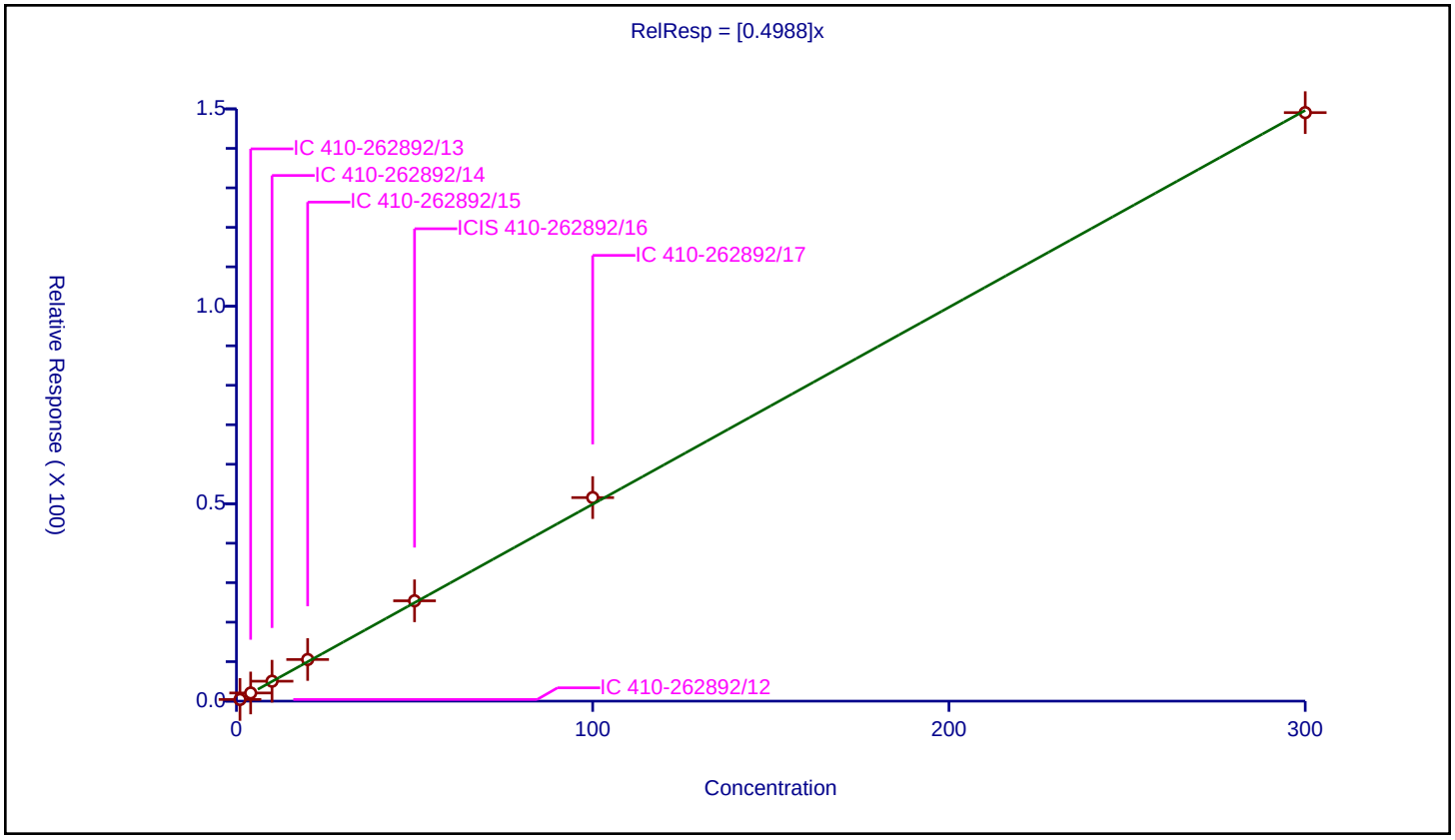
Curve Coefficients

Intercept:	0
Slope:	0.4988

Error Coefficients

Standard Error:	776000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.421232	50.0	506372.0	0.421232	Y
2	IC 410-262892/13	4.0	2.068569	50.0	524614.0	0.517142	Y
3	IC 410-262892/14	10.0	5.048689	50.0	529177.0	0.504869	Y
4	IC 410-262892/15	20.0	10.547865	50.0	534895.0	0.527393	Y
5	ICIS 410-262892/16	50.0	25.41099	50.0	566011.0	0.50822	Y
6	IC 410-262892/17	100.0	51.556481	50.0	578420.0	0.515565	Y
7	IC 410-262892/18	300.0	149.053269	50.0	596421.0	0.496844	Y



Calibration / Ethylbenzene

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

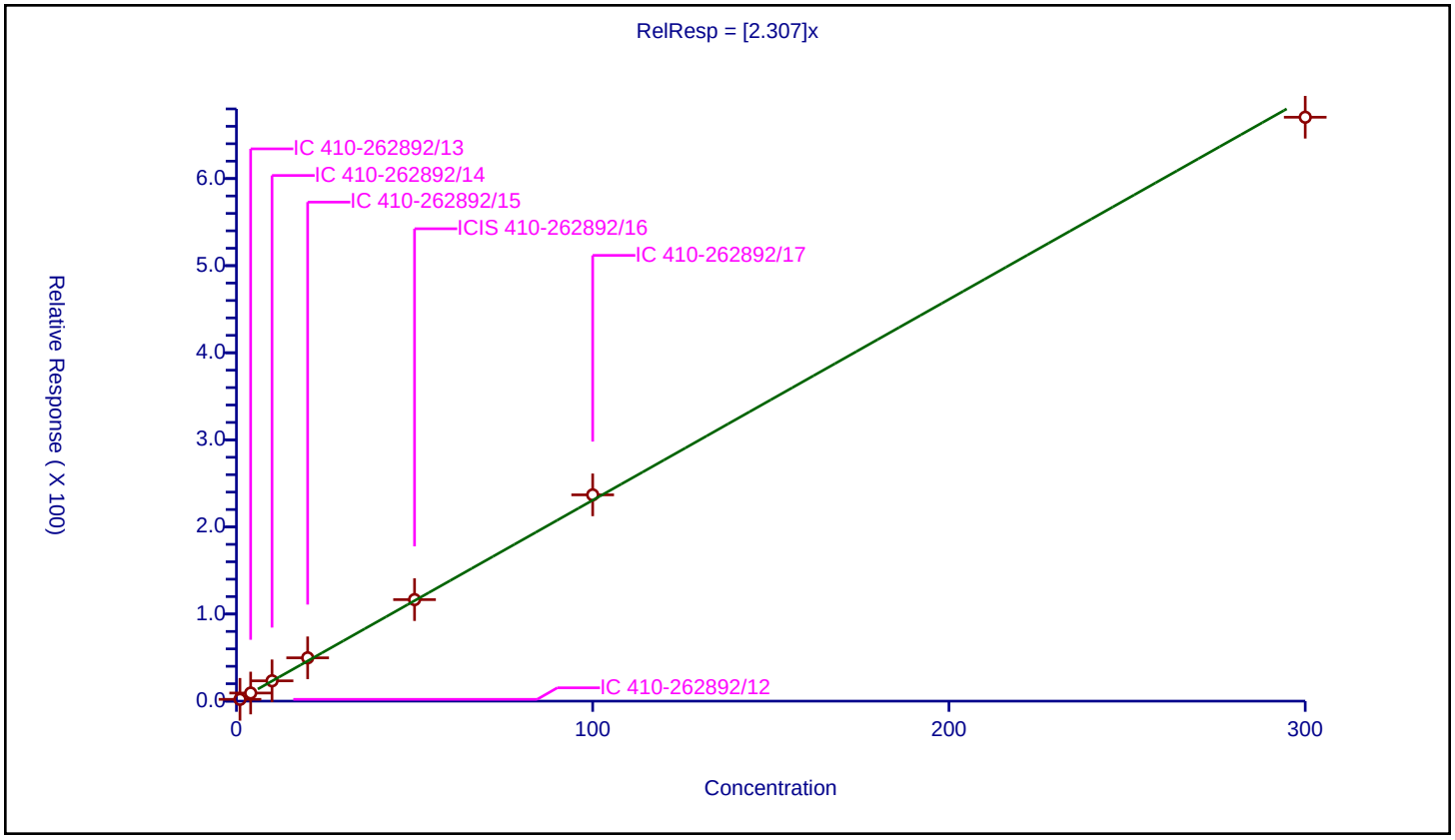
Curve Coefficients

Intercept:	0
Slope:	2.307

Error Coefficients

Standard Error:	3500000
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 410-262892/12	1.0	2.065774	50.0	506372.0	2.065774	Y
2	IC 410-262892/13	4.0	9.312942	50.0	524614.0	2.328236	Y
3	IC 410-262892/14	10.0	23.311198	50.0	529177.0	2.33112	Y
4	IC 410-262892/15	20.0	49.734621	50.0	534895.0	2.486731	Y
5	ICIS 410-262892/16	50.0	116.561692	50.0	566011.0	2.331234	Y
6	IC 410-262892/17	100.0	236.849002	50.0	578420.0	2.36849	Y
7	IC 410-262892/18	300.0	670.415026	50.0	596421.0	2.234717	Y



Calibration / m-Xylene & p-Xylene

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

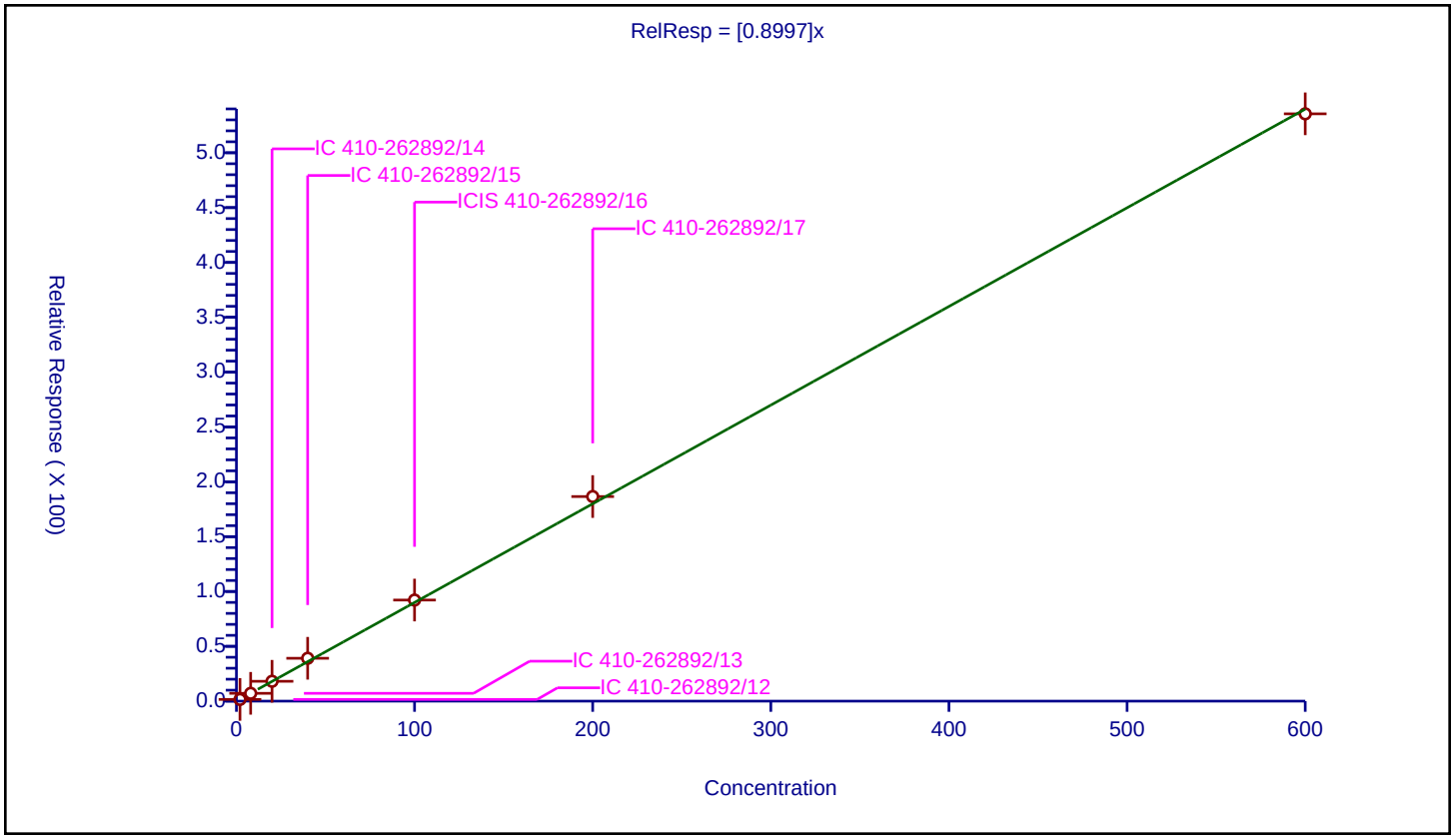
Curve Coefficients

Intercept:	0
Slope:	0.8997

Error Coefficients

Standard Error:	2790000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	2.0	1.556267	50.0	506372.0	0.778133	Y
2	IC 410-262892/13	8.0	7.118377	50.0	524614.0	0.889797	Y
3	IC 410-262892/14	20.0	18.115016	50.0	529177.0	0.905751	Y
4	IC 410-262892/15	40.0	39.089447	50.0	534895.0	0.977236	Y
5	ICIS 410-262892/16	100.0	92.16146	50.0	566011.0	0.921615	Y
6	IC 410-262892/17	200.0	186.539971	50.0	578420.0	0.9327	Y
7	IC 410-262892/18	600.0	535.496403	50.0	596421.0	0.892494	Y



Calibration / o-Xylene

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

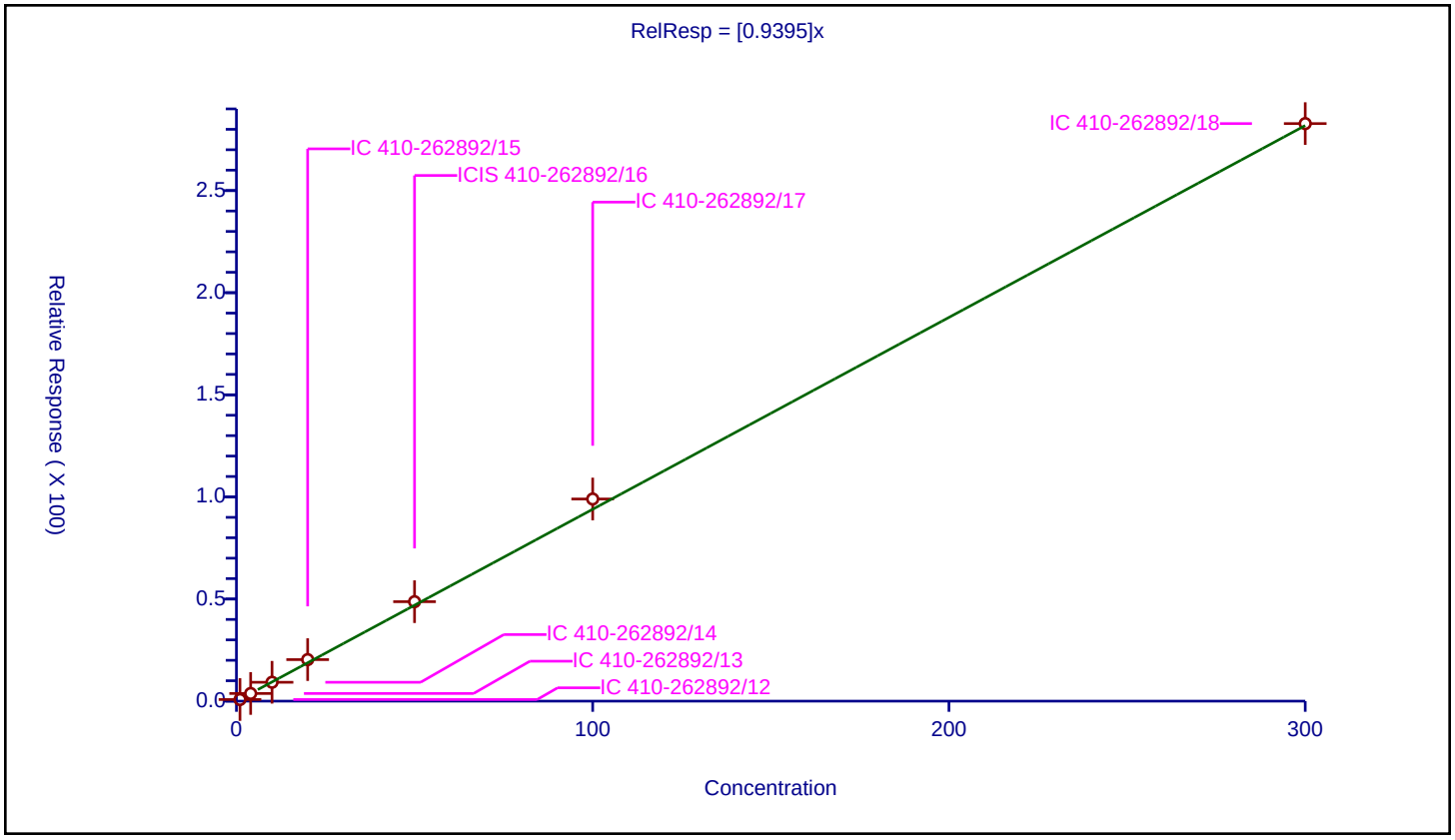
Curve Coefficients

Intercept:	0
Slope:	0.9395

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.792007	50.0	506372.0	0.792007	Y
2	IC 410-262892/13	4.0	3.745611	50.0	524614.0	0.936403	Y
3	IC 410-262892/14	10.0	9.244166	50.0	529177.0	0.924417	Y
4	IC 410-262892/15	20.0	20.343806	50.0	534895.0	1.01719	Y
5	ICIS 410-262892/16	50.0	48.700467	50.0	566011.0	0.974009	Y
6	IC 410-262892/17	100.0	98.975571	50.0	578420.0	0.989756	Y
7	IC 410-262892/18	300.0	282.796967	50.0	596421.0	0.942657	Y



Calibration / Styrene

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

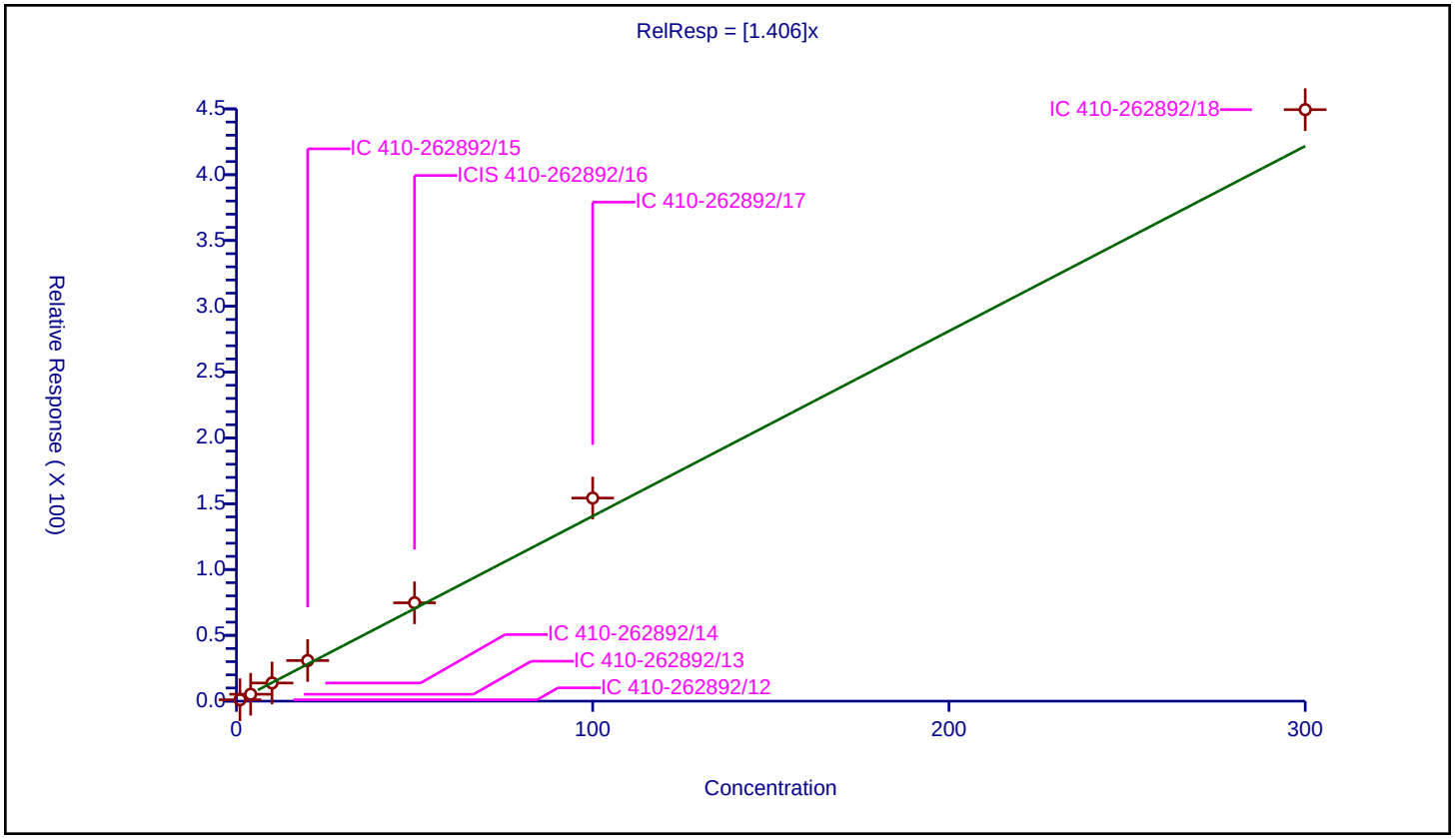
Curve Coefficients

Intercept:	0
Slope:	1.406

Error Coefficients

Standard Error:	2340000
Relative Standard Error:	12.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.072038	50.0	506372.0	1.072038	Y
2	IC 410-262892/13	4.0	5.241568	50.0	524614.0	1.310392	Y
3	IC 410-262892/14	10.0	13.79425	50.0	529177.0	1.379425	Y
4	IC 410-262892/15	20.0	30.857832	50.0	534895.0	1.542892	Y
5	ICIS 410-262892/16	50.0	74.718689	50.0	566011.0	1.494374	Y
6	IC 410-262892/17	100.0	154.308288	50.0	578420.0	1.543083	Y
7	IC 410-262892/18	300.0	449.436304	50.0	596421.0	1.498121	Y



Calibration / Bromoform

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

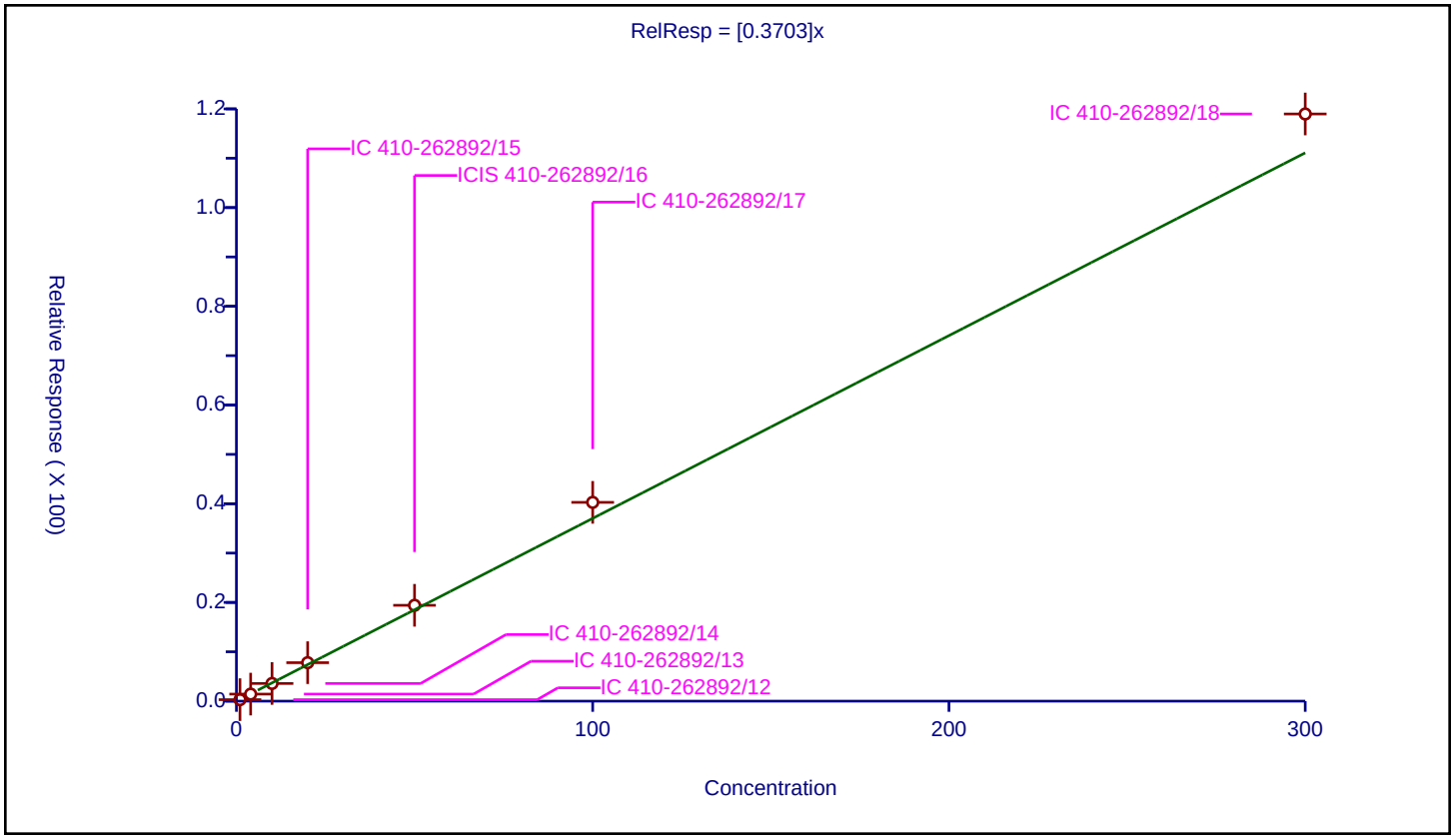
Curve Coefficients

Intercept:	0
Slope:	0.3703

Error Coefficients

Standard Error:	617000
Relative Standard Error:	9.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.299878	50.0	506372.0	0.299878	Y
2	IC 410-262892/13	4.0	1.426573	50.0	524614.0	0.356643	Y
3	IC 410-262892/14	10.0	3.580843	50.0	529177.0	0.358084	Y
4	IC 410-262892/15	20.0	7.797792	50.0	534895.0	0.38989	Y
5	ICIS 410-262892/16	50.0	19.421001	50.0	566011.0	0.38842	Y
6	IC 410-262892/17	100.0	40.277566	50.0	578420.0	0.402776	Y
7	IC 410-262892/18	300.0	118.969402	50.0	596421.0	0.396565	Y



Calibration / Isopropylbenzene

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

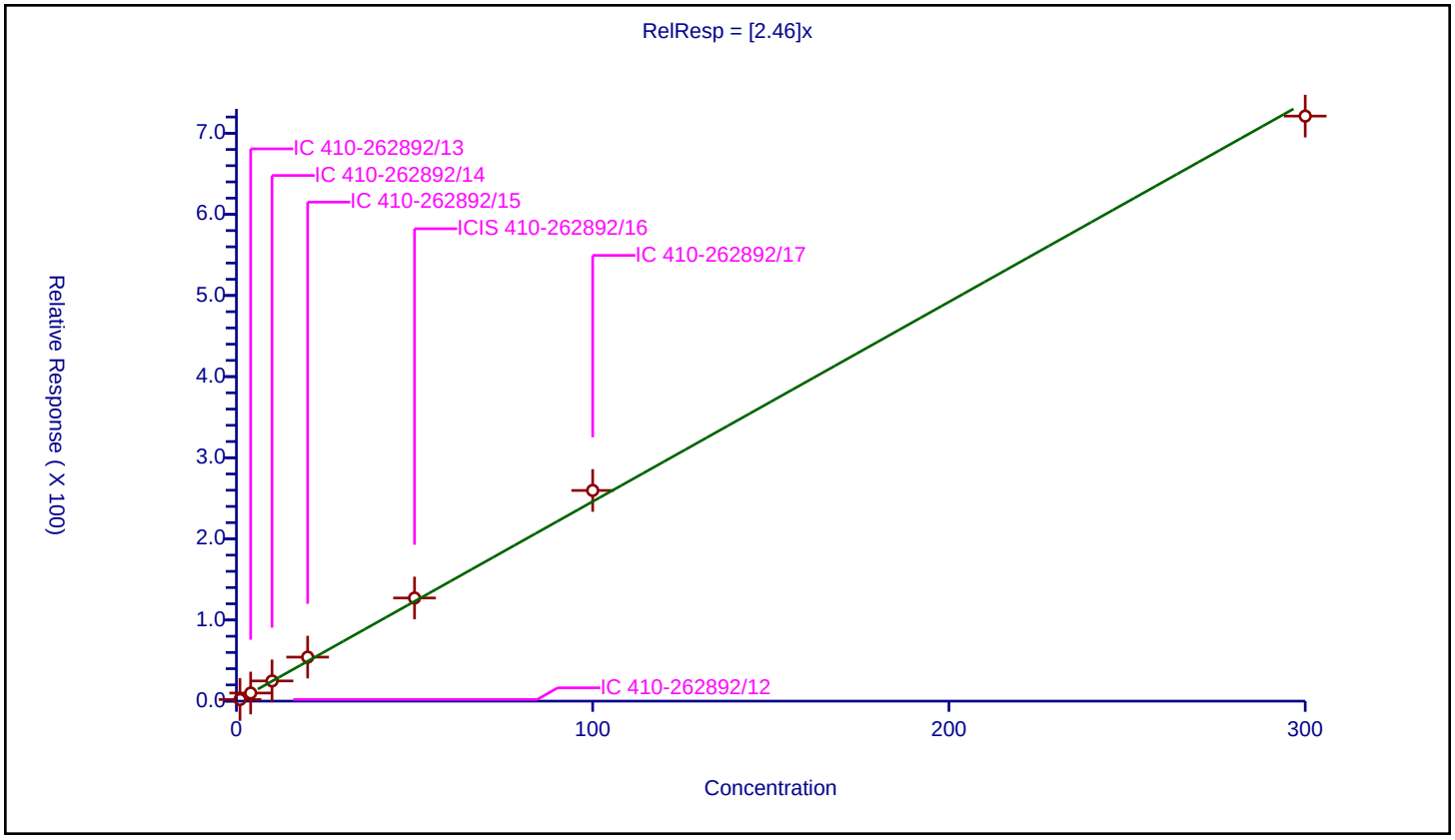
Curve Coefficients

Intercept:	0
Slope:	2.46

Error Coefficients

Standard Error:	3770000
Relative Standard Error:	9.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.980757	50.0	506372.0	1.980757	Y
2	IC 410-262892/13	4.0	9.984389	50.0	524614.0	2.496097	Y
3	IC 410-262892/14	10.0	24.903766	50.0	529177.0	2.490377	Y
4	IC 410-262892/15	20.0	54.240552	50.0	534895.0	2.712028	Y
5	ICIS 410-262892/16	50.0	127.117583	50.0	566011.0	2.542352	Y
6	IC 410-262892/17	100.0	259.677311	50.0	578420.0	2.596773	Y
7	IC 410-262892/18	300.0	721.125765	50.0	596421.0	2.403753	Y



Calibration / Cyclohexanone

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

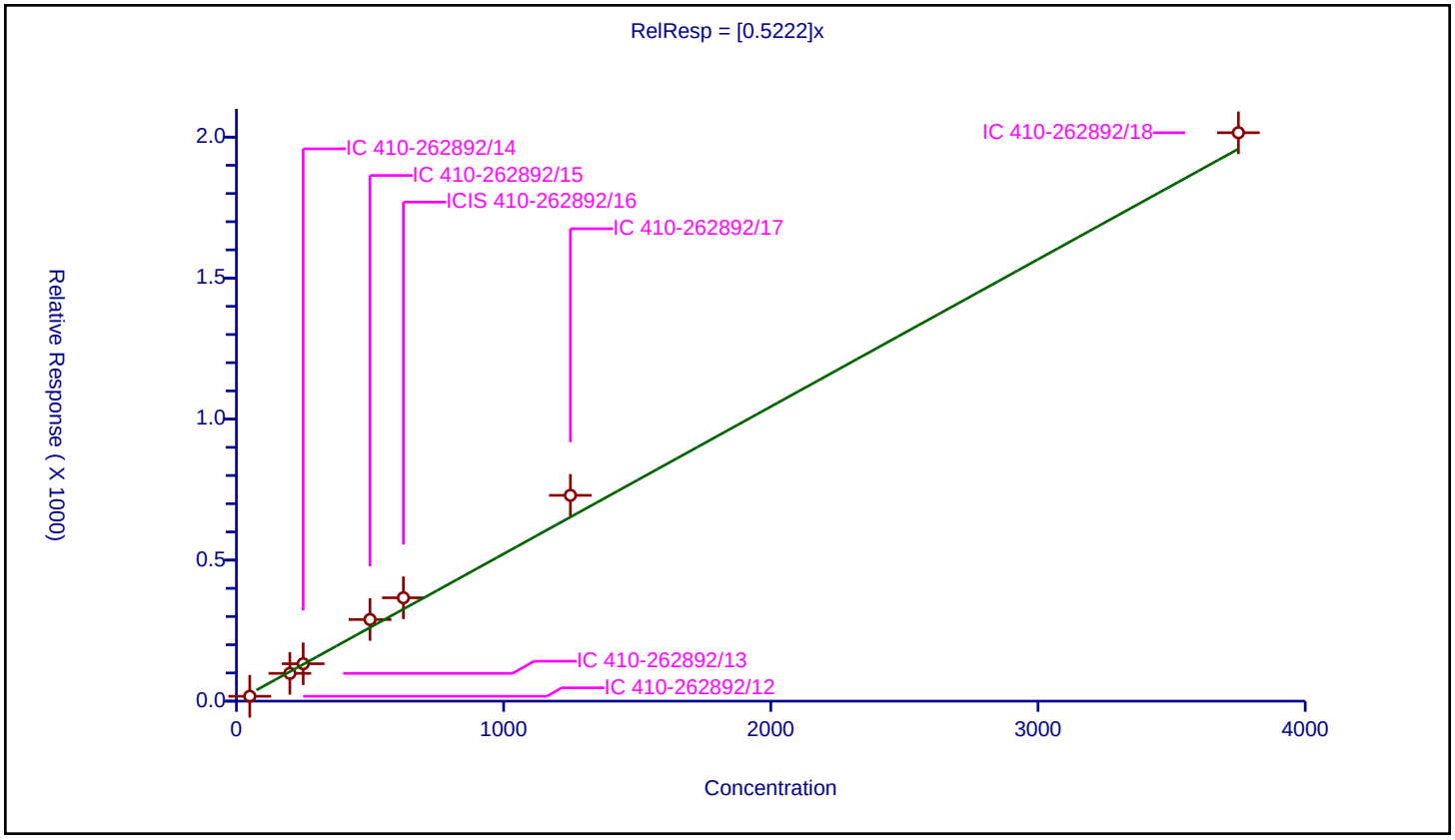
Curve Coefficients

Intercept:	0
Slope:	0.5222

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	16.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	50.000278	17.299119	250.0	335335.0	0.34598	Y
2	IC 410-262892/13	200.00111	98.434638	250.0	336312.0	0.49217	Y
3	IC 410-262892/14	250.001388	132.623029	250.0	352337.0	0.530489	Y
4	IC 410-262892/15	500.002776	289.392923	250.0	356149.0	0.578783	Y
5	ICIS 410-262892/16	625.00347	366.494748	250.0	360733.0	0.586388	Y
6	IC 410-262892/17	1250.00694	729.810131	250.0	363462.0	0.583845	Y
7	IC 410-262892/18	3750.02082	2015.446375	250.0	330563.0	0.537449	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

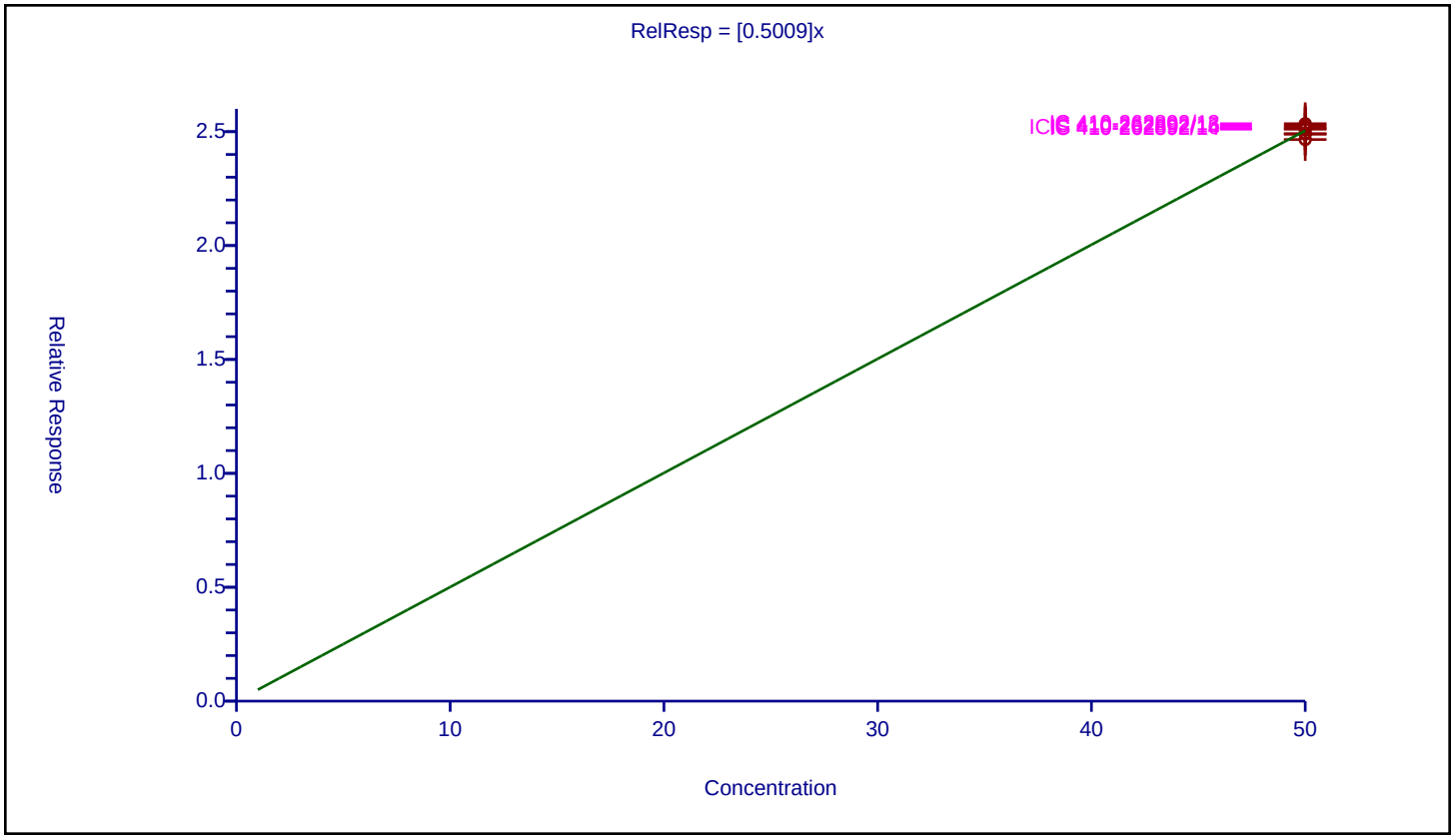
Curve Coefficients

Intercept:	0
Slope:	0.5009

Error Coefficients

Standard Error:	297000
Relative Standard Error:	1.0
Correlation Coefficient:	0.000000000000000000
Coefficient of Determination (Adjusted):	0.000000000000000222

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	50.0	24.654503	50.0	506372.0	0.49309	Y
2	IC 410-262892/13	50.0	25.350162	50.0	524614.0	0.507003	Y
3	IC 410-262892/14	50.0	25.109179	50.0	529177.0	0.502184	Y
4	IC 410-262892/15	50.0	25.245796	50.0	534895.0	0.504916	Y
5	ICIS 410-262892/16	50.0	25.150925	50.0	566011.0	0.503018	Y
6	IC 410-262892/17	50.0	24.889094	50.0	578420.0	0.497782	Y
7	IC 410-262892/18	50.0	24.91537	50.0	596421.0	0.498307	Y



Calibration / 1,1,2,2-Tetrachloroethane

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

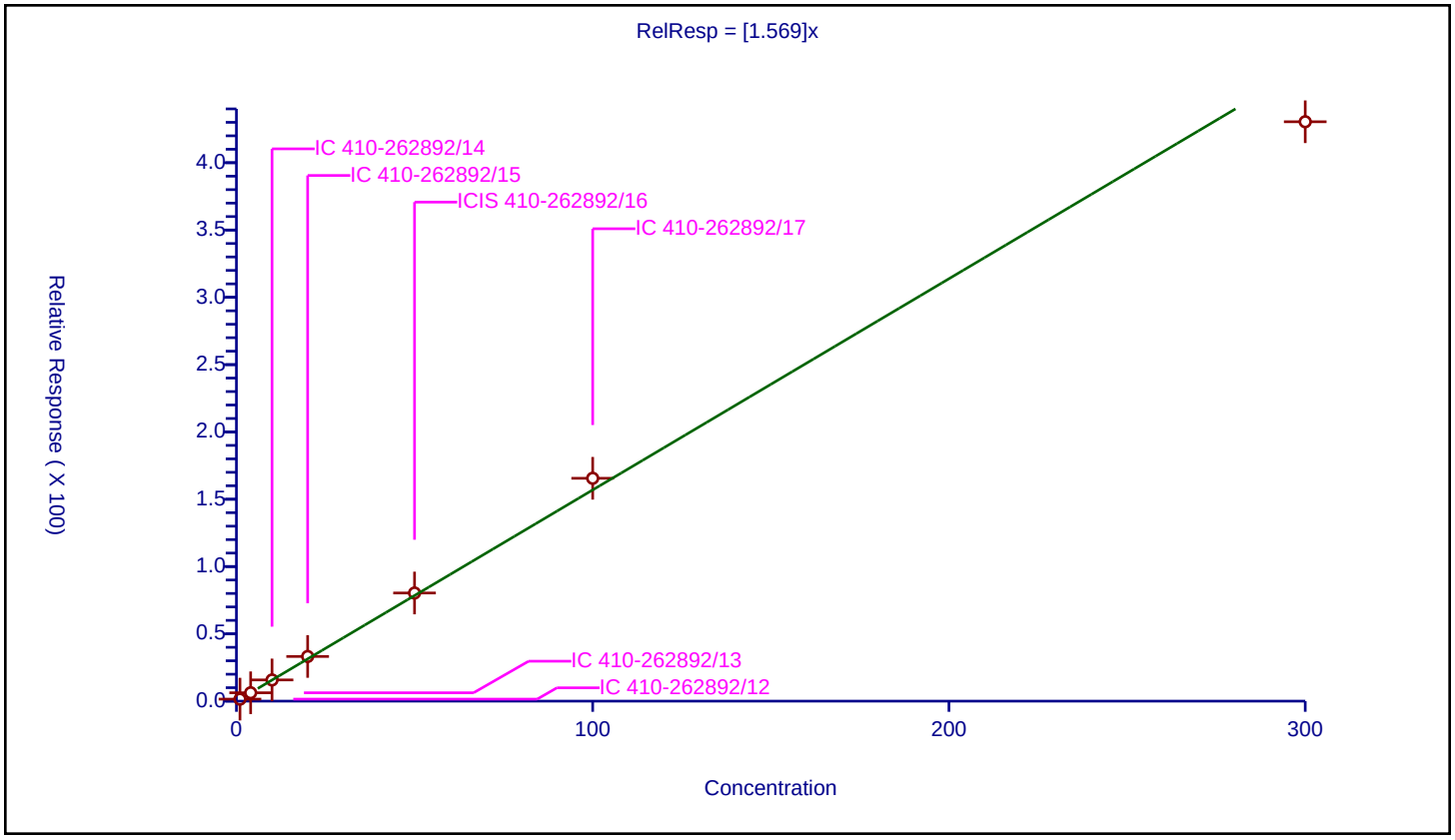
Curve Coefficients

Intercept:	0
Slope:	1.569

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.493356	50.0	301636.0	1.493356	Y
2	IC 410-262892/13	4.0	6.229822	50.0	314078.0	1.557455	Y
3	IC 410-262892/14	10.0	15.750518	50.0	313177.0	1.575052	Y
4	IC 410-262892/15	20.0	33.202351	50.0	315818.0	1.660118	Y
5	ICIS 410-262892/16	50.0	80.34077	50.0	328609.0	1.606815	Y
6	IC 410-262892/17	100.0	165.56017	50.0	330578.0	1.655602	Y
7	IC 410-262892/18	300.0	430.449425	50.0	358258.0	1.434831	Y



Calibration / trans-1,4-Dichloro-2-butene

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

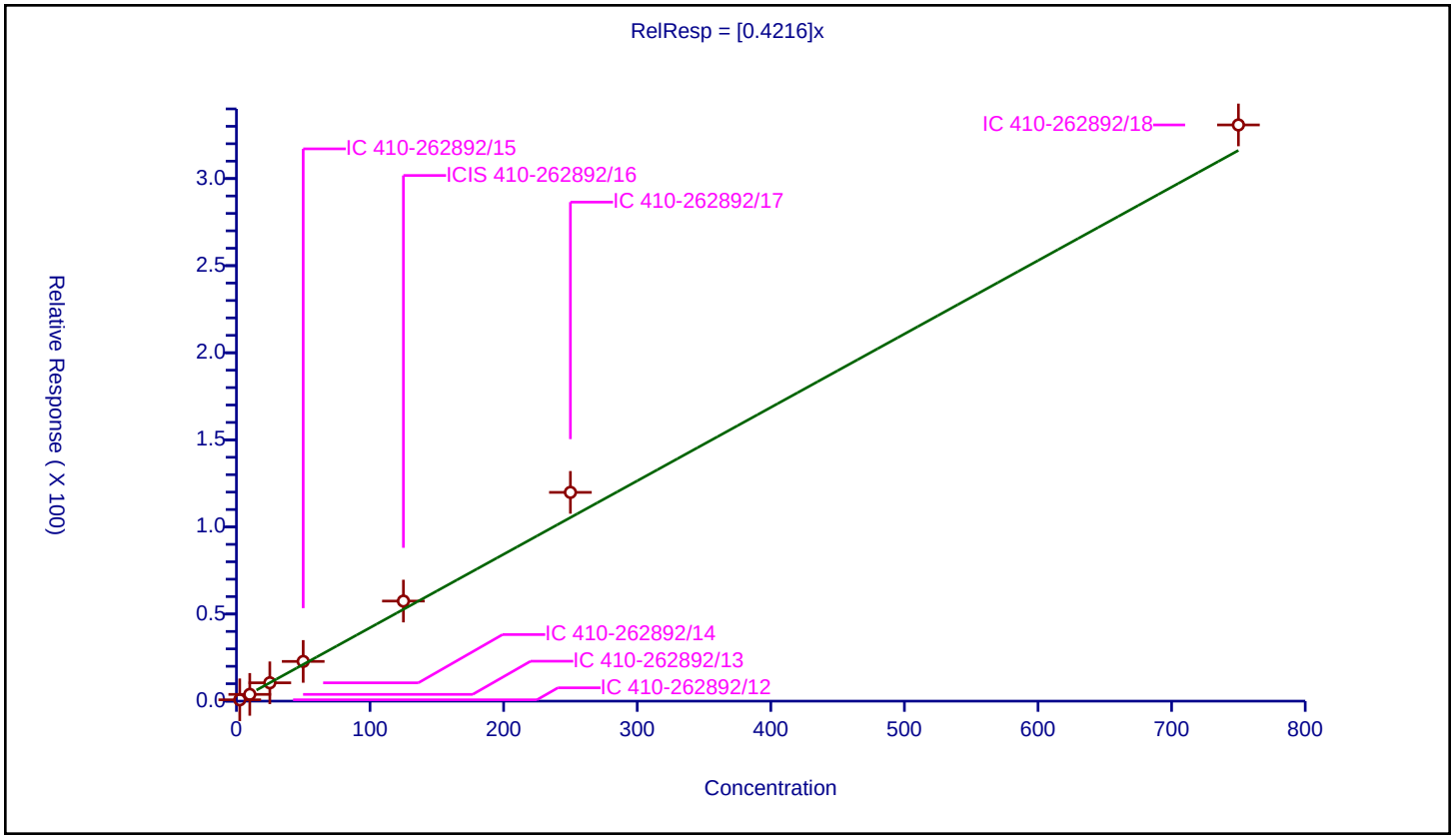
Curve Coefficients

Intercept:	0
Slope:	0.4216

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	13.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	2.5	0.766818	50.0	301636.0	0.306727	Y
2	IC 410-262892/13	10.0	3.871172	50.0	314078.0	0.387117	Y
3	IC 410-262892/14	25.0	10.525198	50.0	313177.0	0.421008	Y
4	IC 410-262892/15	50.0	22.803957	50.0	315818.0	0.456079	Y
5	ICIS 410-262892/16	125.0	57.445475	50.0	328609.0	0.459564	Y
6	IC 410-262892/17	250.0	119.853408	50.0	330578.0	0.479414	Y
7	IC 410-262892/18	750.0	330.798754	50.0	358258.0	0.441065	Y



Calibration / Bromobenzene

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

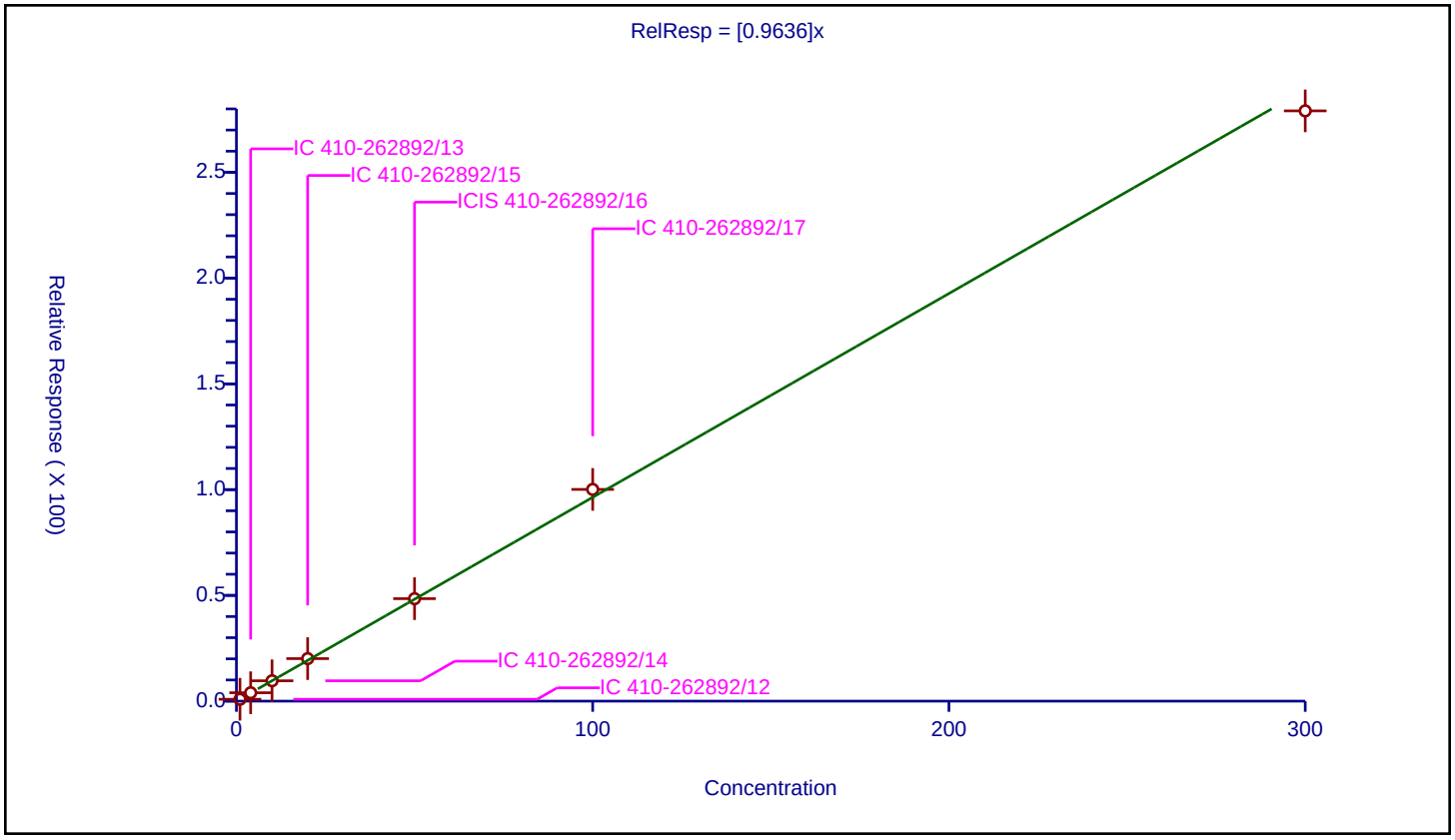
Curve Coefficients

Intercept:	0
Slope:	0.9636

Error Coefficients

Standard Error:	871000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.88567	50.0	301636.0	0.88567	Y
2	IC 410-262892/13	4.0	3.967804	50.0	314078.0	0.991951	Y
3	IC 410-262892/14	10.0	9.62443	50.0	313177.0	0.962443	Y
4	IC 410-262892/15	20.0	20.102401	50.0	315818.0	1.00512	Y
5	ICIS 410-262892/16	50.0	48.441004	50.0	328609.0	0.96882	Y
6	IC 410-262892/17	100.0	100.093624	50.0	330578.0	1.000936	Y
7	IC 410-262892/18	300.0	279.072065	50.0	358258.0	0.93024	Y



Calibration / 1,2,3-Trichloropropane

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

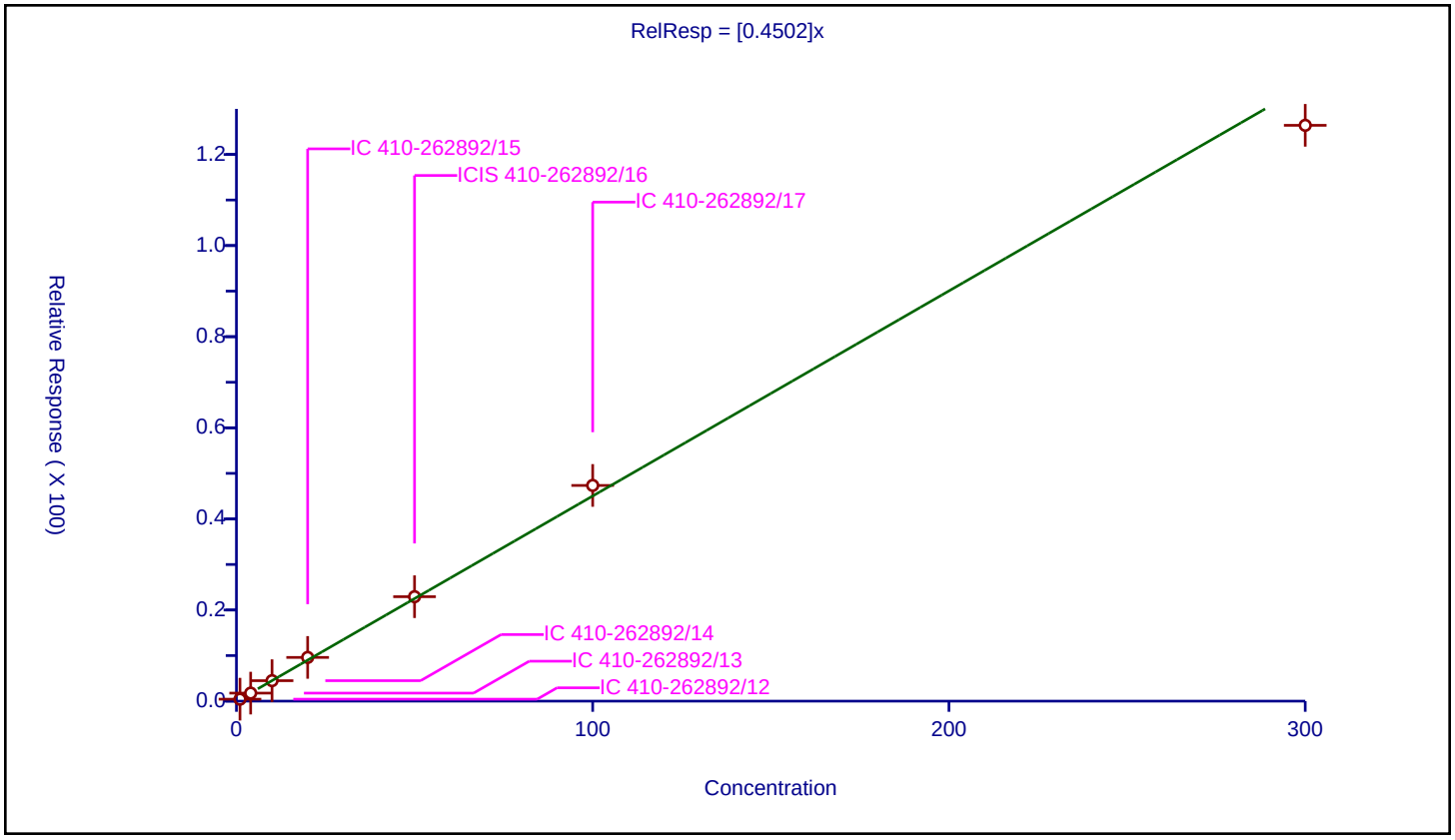
Curve Coefficients

Intercept:	0
Slope:	0.4502

Error Coefficients

Standard Error:	397000
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 410-262892/12	1.0	0.428165	50.0	301636.0	0.428165	Y
2	IC 410-262892/13	4.0	1.764211	50.0	314078.0	0.441053	Y
3	IC 410-262892/14	10.0	4.492986	50.0	313177.0	0.449299	Y
4	IC 410-262892/15	20.0	9.5954	50.0	315818.0	0.47977	Y
5	ICIS 410-262892/16	50.0	22.926487	50.0	328609.0	0.45853	Y
6	IC 410-262892/17	100.0	47.343441	50.0	330578.0	0.473434	Y
7	IC 410-262892/18	300.0	126.390199	50.0	358258.0	0.421301	Y



Calibration / N-Propylbenzene

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

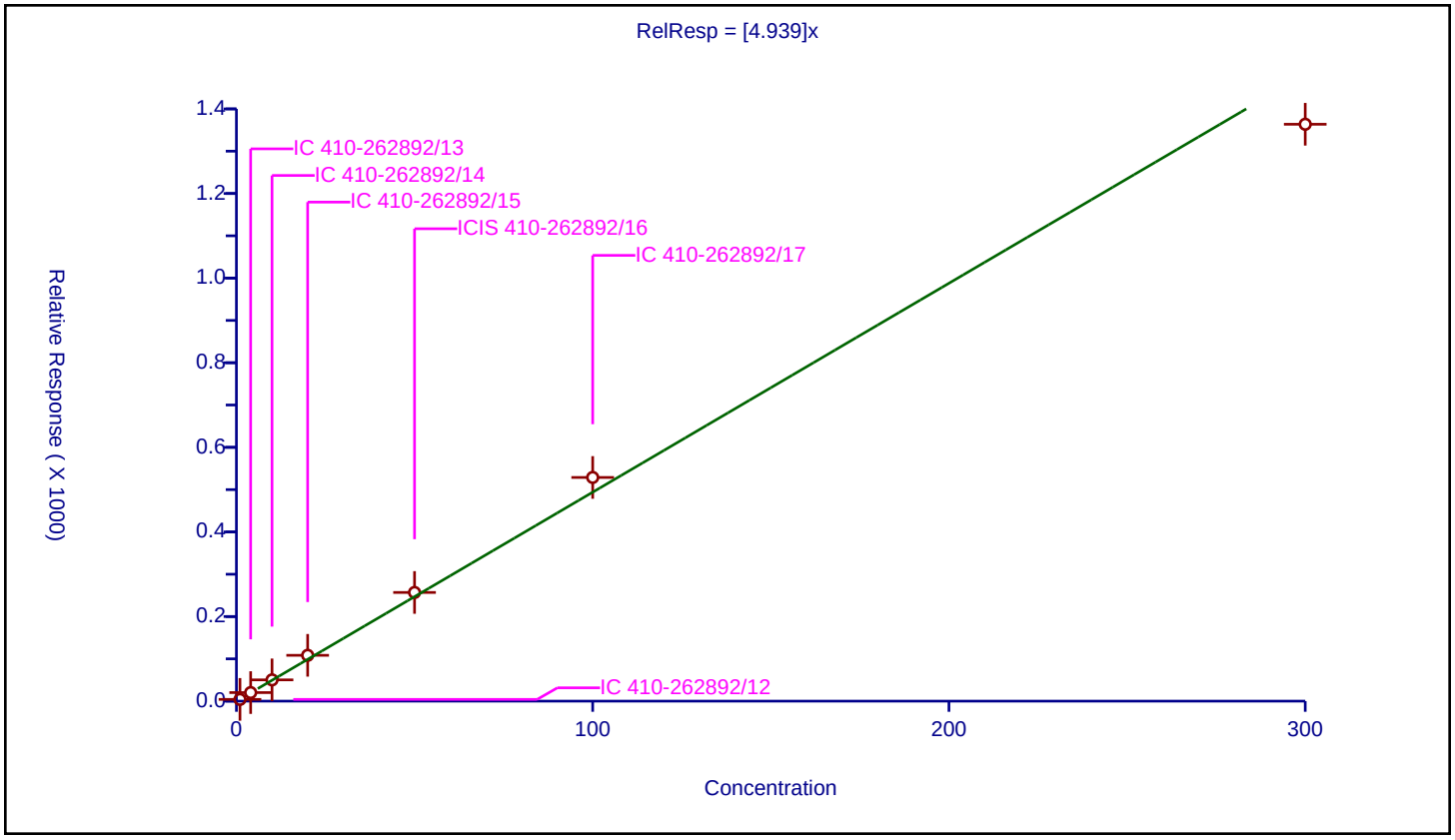
Curve Coefficients

Intercept:	0
Slope:	4.939

Error Coefficients

Standard Error:	4300000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	4.101798	50.0	301636.0	4.101798	Y
2	IC 410-262892/13	4.0	20.221251	50.0	314078.0	5.055313	Y
3	IC 410-262892/14	10.0	50.289613	50.0	313177.0	5.028961	Y
4	IC 410-262892/15	20.0	108.315391	50.0	315818.0	5.41577	Y
5	ICIS 410-262892/16	50.0	256.914144	50.0	328609.0	5.138283	Y
6	IC 410-262892/17	100.0	528.790482	50.0	330578.0	5.287905	Y
7	IC 410-262892/18	300.0	1363.664315	50.0	358258.0	4.545548	Y



Calibration / 2-Chlorotoluene

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

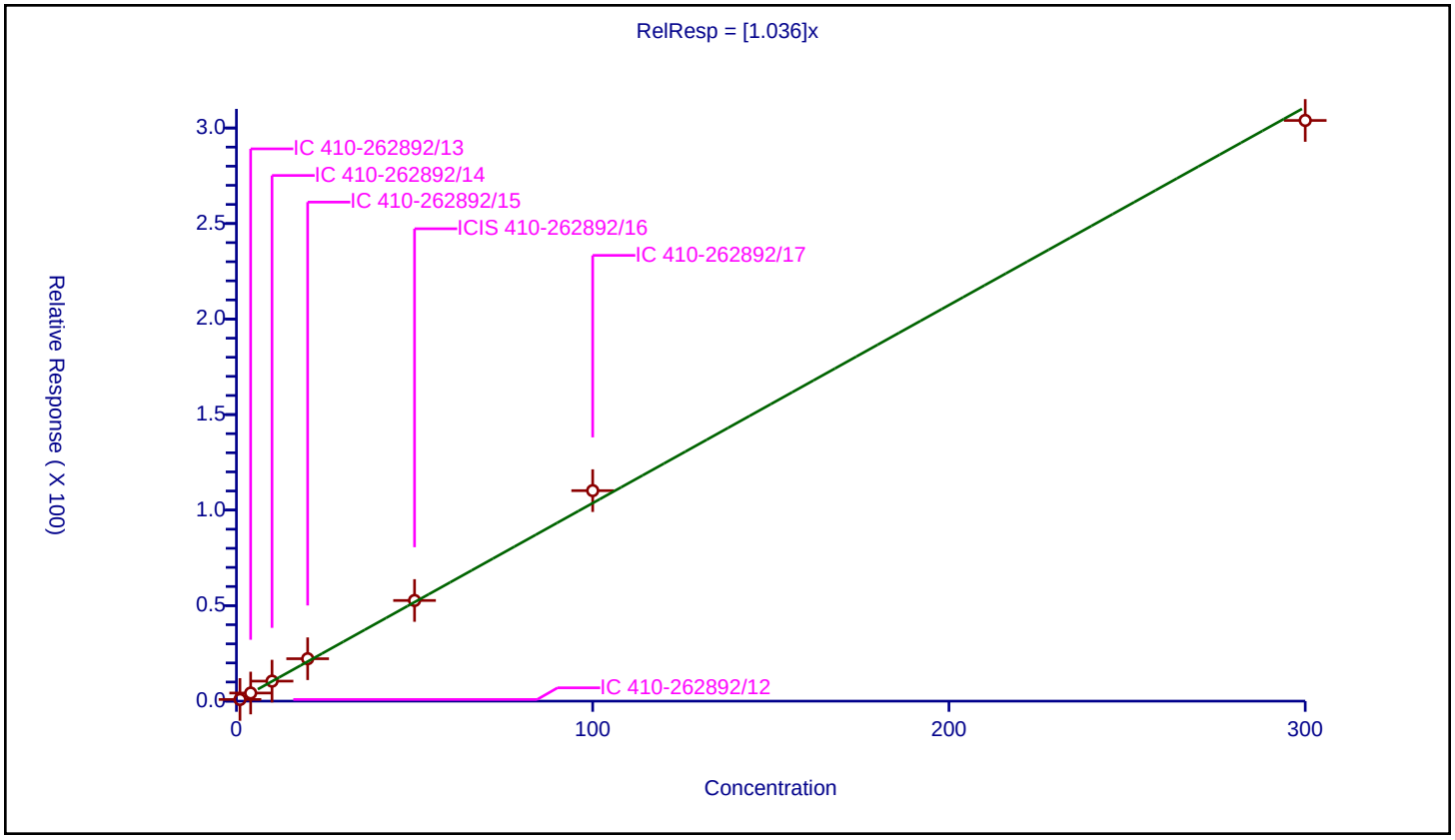
Curve Coefficients

Intercept:	0
Slope:	1.036

Error Coefficients

Standard Error:	950000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.868099	50.0	301636.0	0.868099	Y
2	IC 410-262892/13	4.0	4.243532	50.0	314078.0	1.060883	Y
3	IC 410-262892/14	10.0	10.475067	50.0	313177.0	1.047507	Y
4	IC 410-262892/15	20.0	22.198545	50.0	315818.0	1.109927	Y
5	ICIS 410-262892/16	50.0	52.685715	50.0	328609.0	1.053714	Y
6	IC 410-262892/17	100.0	110.182166	50.0	330578.0	1.101822	Y
7	IC 410-262892/18	300.0	303.948551	50.0	358258.0	1.013162	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

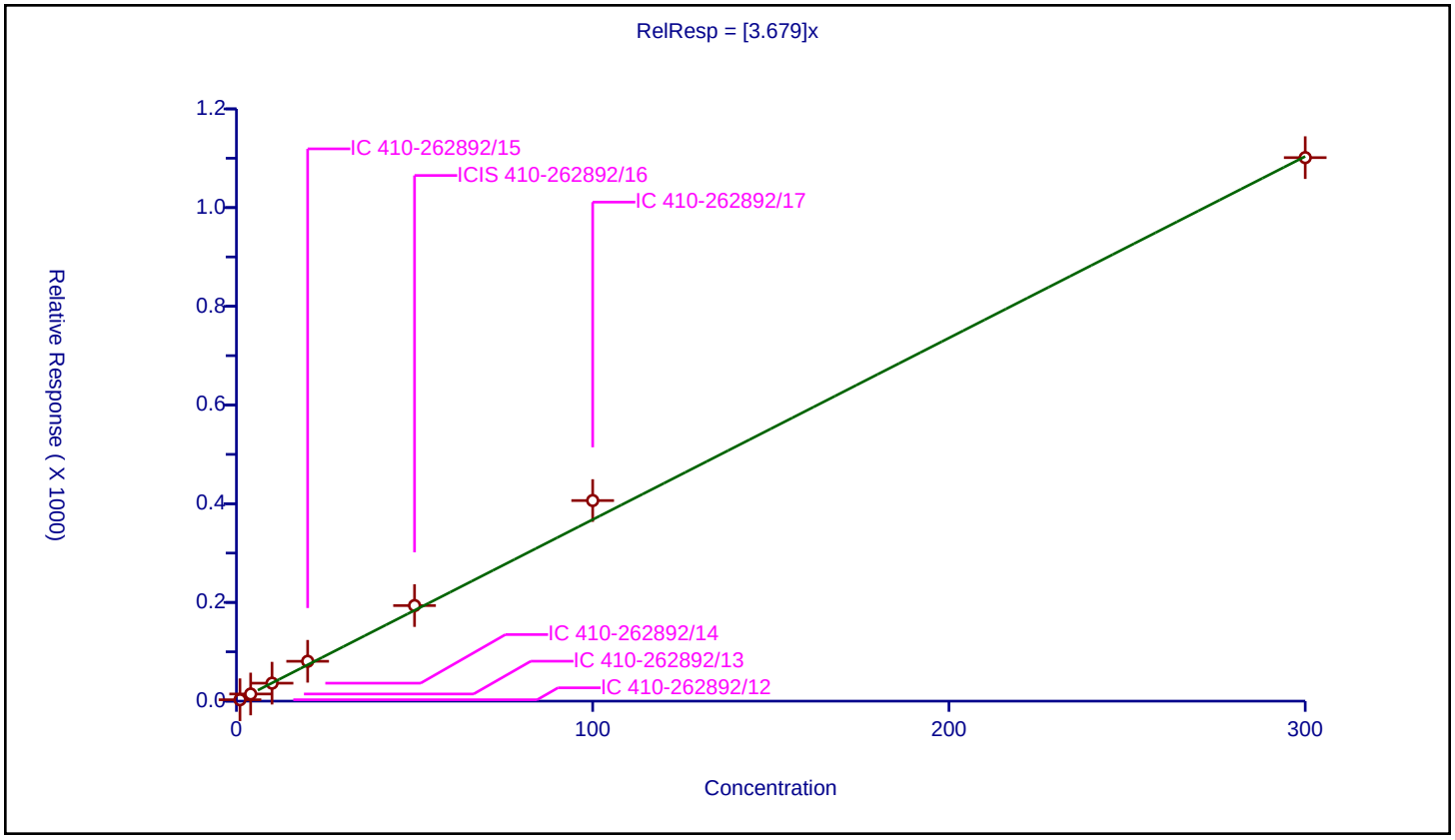
Curve Coefficients

Intercept:	0
Slope:	3.679

Error Coefficients

Standard Error:	3450000
Relative Standard Error:	11.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	2.847638	50.0	301636.0	2.847638	Y
2	IC 410-262892/13	4.0	14.48239	50.0	314078.0	3.620597	Y
3	IC 410-262892/14	10.0	36.397469	50.0	313177.0	3.639747	Y
4	IC 410-262892/15	20.0	80.735107	50.0	315818.0	4.036755	Y
5	ICIS 410-262892/16	50.0	193.642292	50.0	328609.0	3.872846	Y
6	IC 410-262892/17	100.0	406.424505	50.0	330578.0	4.064245	Y
7	IC 410-262892/18	300.0	1101.239609	50.0	358258.0	3.670799	Y



Calibration / 4-Chlorotoluene

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

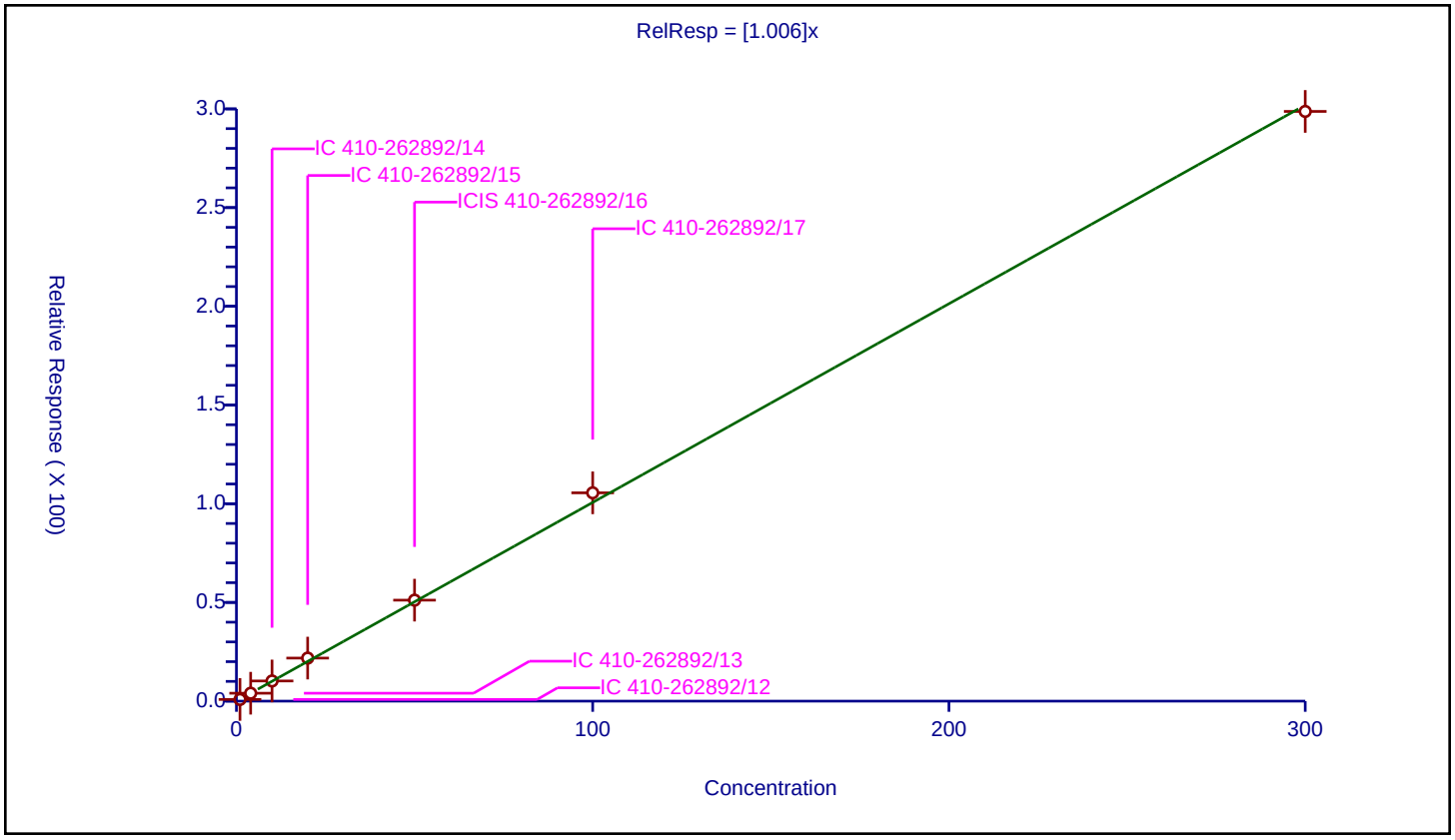
Curve Coefficients

Intercept:	0
Slope:	1.006

Error Coefficients

Standard Error:	931000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.85517	50.0	301636.0	0.85517	Y
2	IC 410-262892/13	4.0	4.016837	50.0	314078.0	1.004209	Y
3	IC 410-262892/14	10.0	10.21499	50.0	313177.0	1.021499	Y
4	IC 410-262892/15	20.0	21.809397	50.0	315818.0	1.09047	Y
5	ICIS 410-262892/16	50.0	51.150151	50.0	328609.0	1.023003	Y
6	IC 410-262892/17	100.0	105.521995	50.0	330578.0	1.05522	Y
7	IC 410-262892/18	300.0	298.713916	50.0	358258.0	0.995713	Y



Calibration / tert-Butylbenzene

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

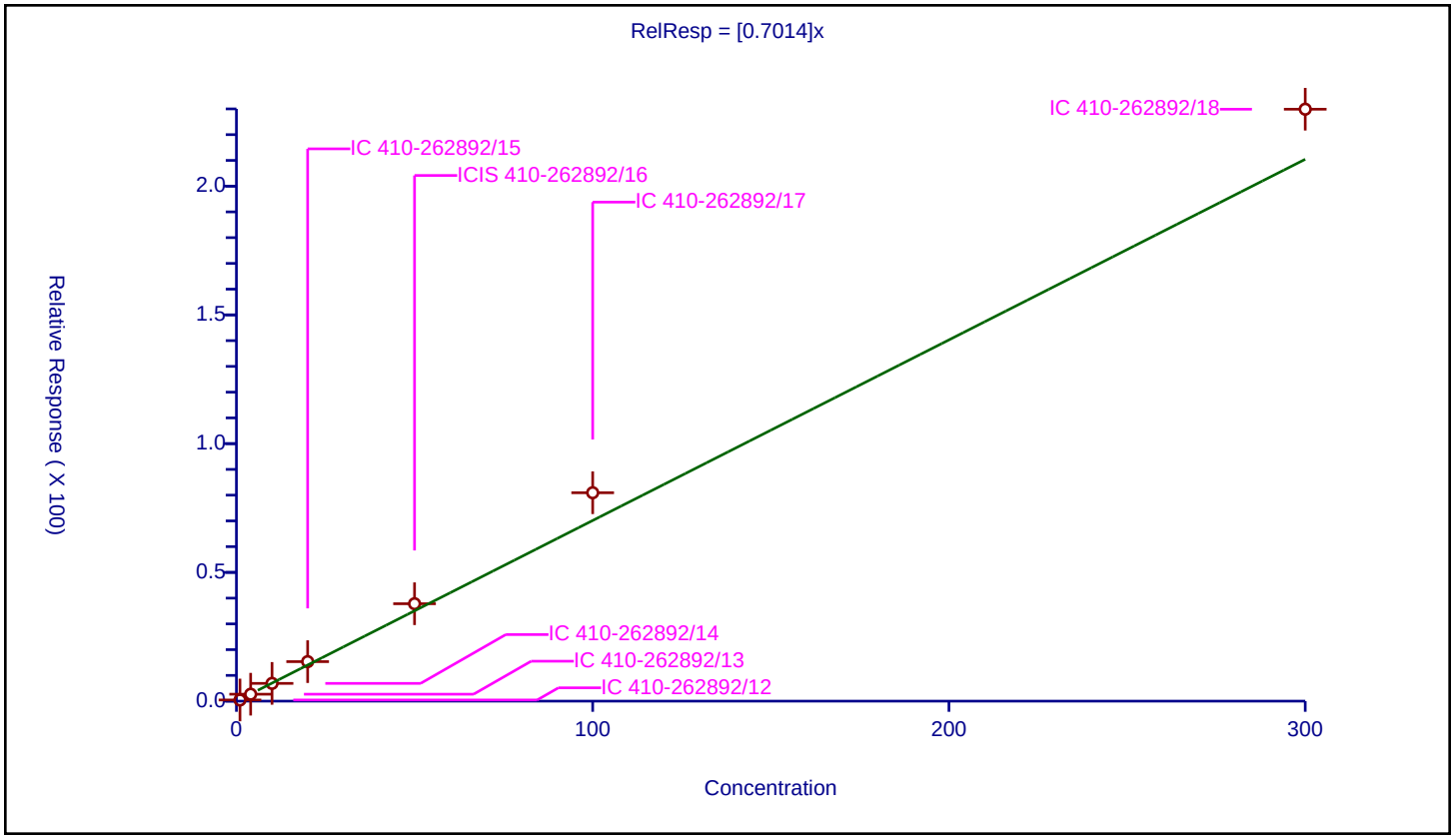
Curve Coefficients

Intercept:	0
Slope:	0.7014

Error Coefficients

Standard Error:	716000
Relative Standard Error:	17.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.448554	50.0	301636.0	0.448554	Y
2	IC 410-262892/13	4.0	2.690733	50.0	314078.0	0.672683	Y
3	IC 410-262892/14	10.0	6.892109	50.0	313177.0	0.689211	Y
4	IC 410-262892/15	20.0	15.346497	50.0	315818.0	0.767325	Y
5	ICIS 410-262892/16	50.0	37.831587	50.0	328609.0	0.756632	Y
6	IC 410-262892/17	100.0	80.935815	50.0	330578.0	0.809358	Y
7	IC 410-262892/18	300.0	229.879584	50.0	358258.0	0.766265	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

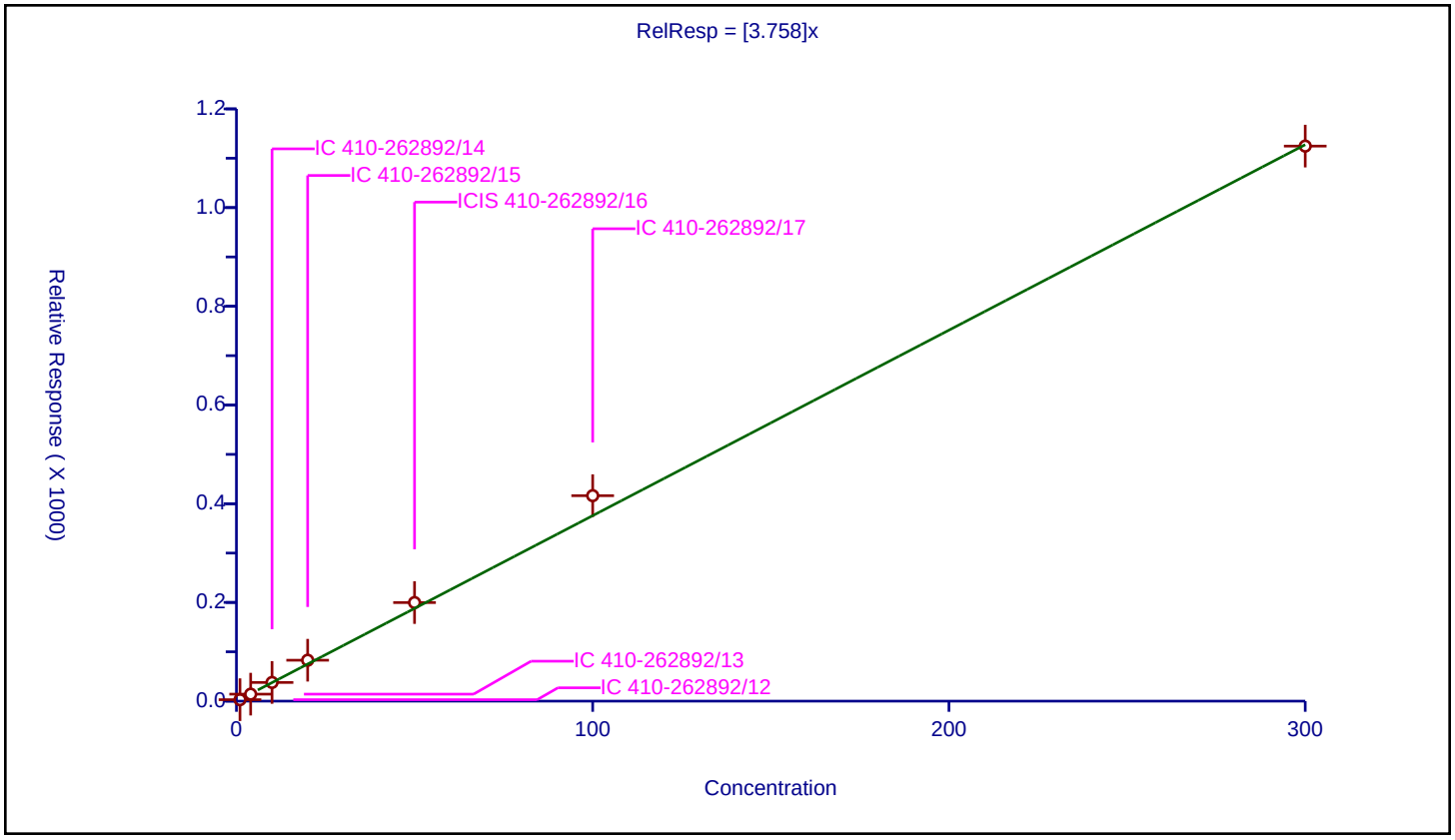
Curve Coefficients

Intercept:	0
Slope:	3.758

Error Coefficients

Standard Error:	3520000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	2.934166	50.0	301636.0	2.934166	Y
2	IC 410-262892/13	4.0	14.160495	50.0	314078.0	3.540124	Y
3	IC 410-262892/14	10.0	37.830205	50.0	313177.0	3.78302	Y
4	IC 410-262892/15	20.0	82.891887	50.0	315818.0	4.144594	Y
5	ICIS 410-262892/16	50.0	199.742855	50.0	328609.0	3.994857	Y
6	IC 410-262892/17	100.0	416.311279	50.0	330578.0	4.163113	Y
7	IC 410-262892/18	300.0	1124.591775	50.0	358258.0	3.748639	Y



Calibration / sec-Butylbenzene

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

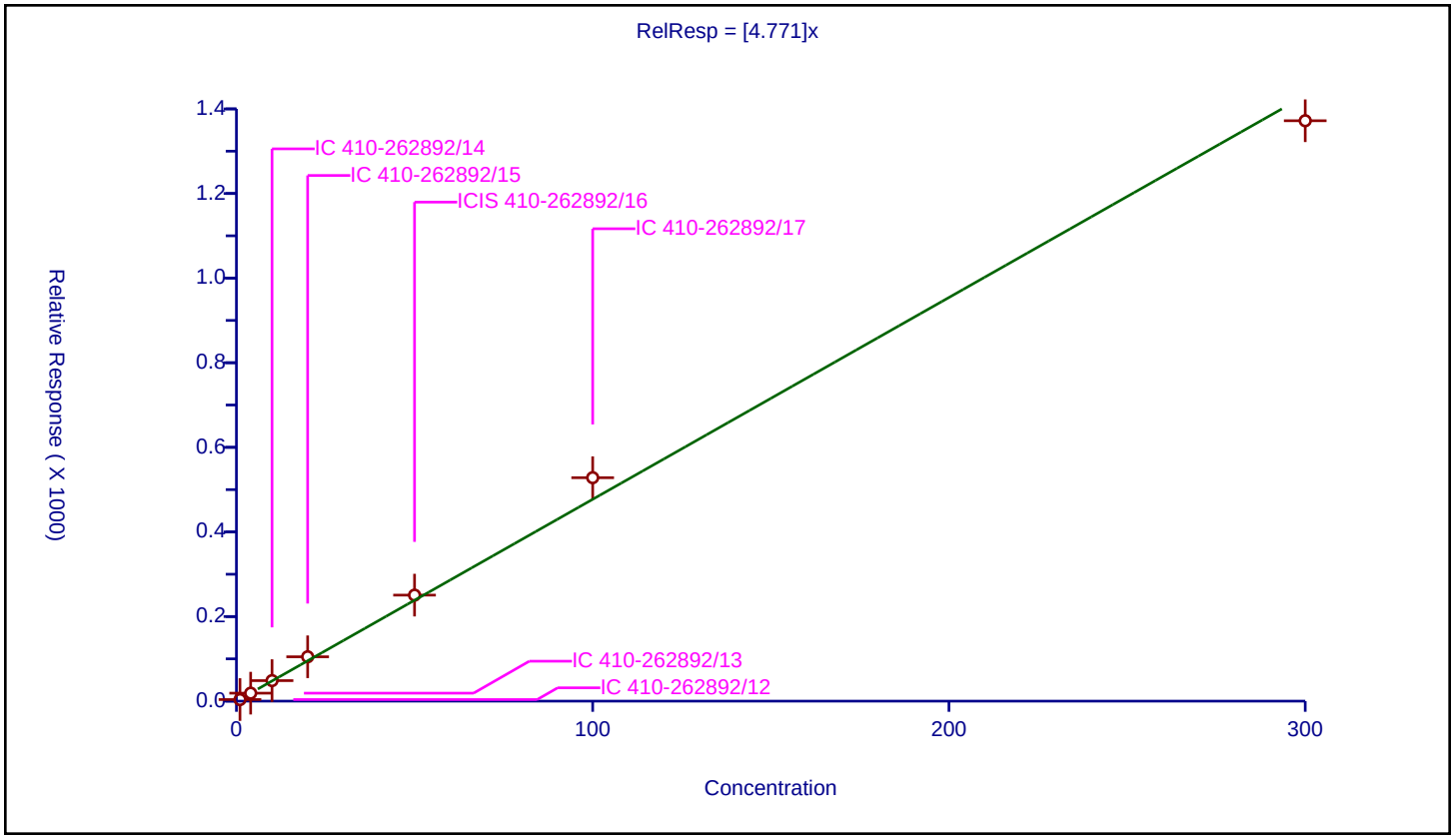
Curve Coefficients

Intercept:	0
Slope:	4.771

Error Coefficients

Standard Error:	4320000
Relative Standard Error:	11.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	3.714411	50.0	301636.0	3.714411	Y
2	IC 410-262892/13	4.0	18.878909	50.0	314078.0	4.719727	Y
3	IC 410-262892/14	10.0	48.524477	50.0	313177.0	4.852448	Y
4	IC 410-262892/15	20.0	104.83063	50.0	315818.0	5.241532	Y
5	ICIS 410-262892/16	50.0	250.63921	50.0	328609.0	5.012784	Y
6	IC 410-262892/17	100.0	528.22042	50.0	330578.0	5.282204	Y
7	IC 410-262892/18	300.0	1371.954709	50.0	358258.0	4.573182	Y



Calibration / 1,3-Dichlorobenzene

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

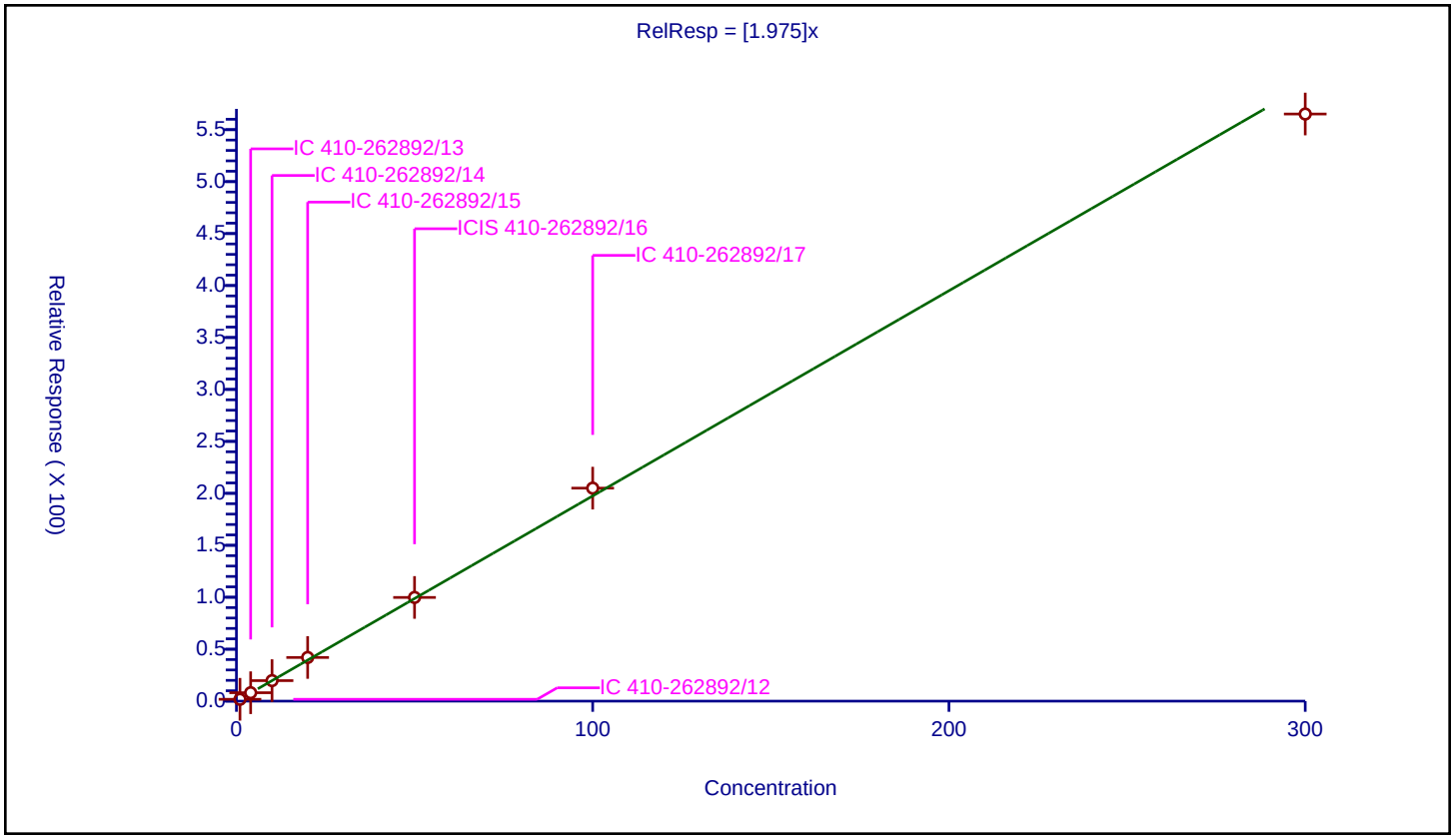
Curve Coefficients

Intercept:	0
Slope:	1.975

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.790071	50.0	301636.0	1.790071	Y
2	IC 410-262892/13	4.0	8.112794	50.0	314078.0	2.028198	Y
3	IC 410-262892/14	10.0	19.754005	50.0	313177.0	1.9754	Y
4	IC 410-262892/15	20.0	42.033386	50.0	315818.0	2.101669	Y
5	ICIS 410-262892/16	50.0	99.791698	50.0	328609.0	1.995834	Y
6	IC 410-262892/17	100.0	205.012735	50.0	330578.0	2.050127	Y
7	IC 410-262892/18	300.0	565.074332	50.0	358258.0	1.883581	Y



Calibration / 4-Isopropyltoluene

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

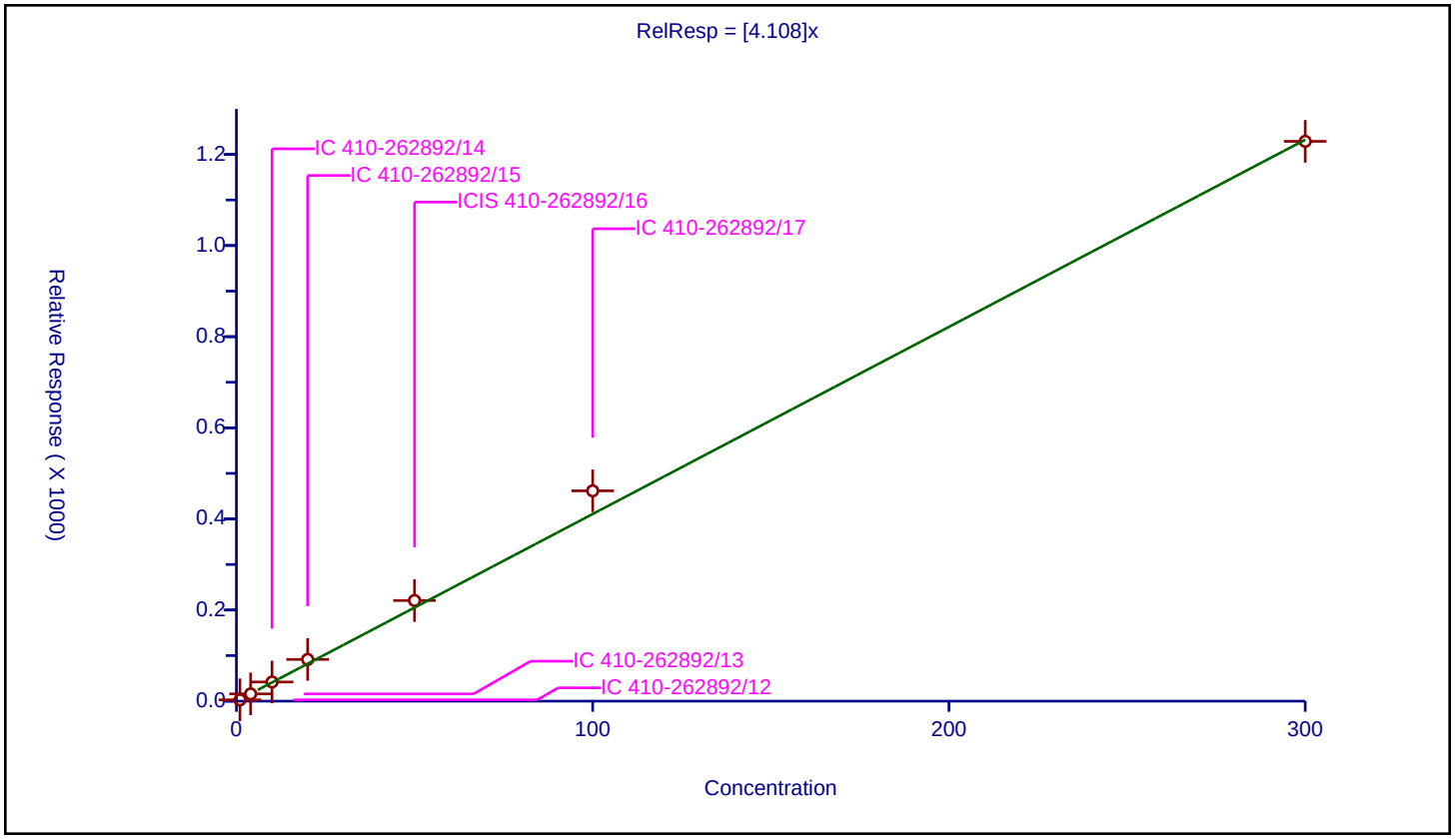
Curve Coefficients

Intercept:	0
Slope:	4.108

Error Coefficients

Standard Error:	3860000
Relative Standard Error:	14.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	2.85261	50.0	301636.0	2.85261	Y
2	IC 410-262892/13	4.0	15.950019	50.0	314078.0	3.987505	Y
3	IC 410-262892/14	10.0	42.048905	50.0	313177.0	4.204891	Y
4	IC 410-262892/15	20.0	91.560487	50.0	315818.0	4.578024	Y
5	ICIS 410-262892/16	50.0	220.883329	50.0	328609.0	4.417667	Y
6	IC 410-262892/17	100.0	461.644907	50.0	330578.0	4.616449	Y
7	IC 410-262892/18	300.0	1228.72162	50.0	358258.0	4.095739	Y



Calibration / 1,4-Dichlorobenzene

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

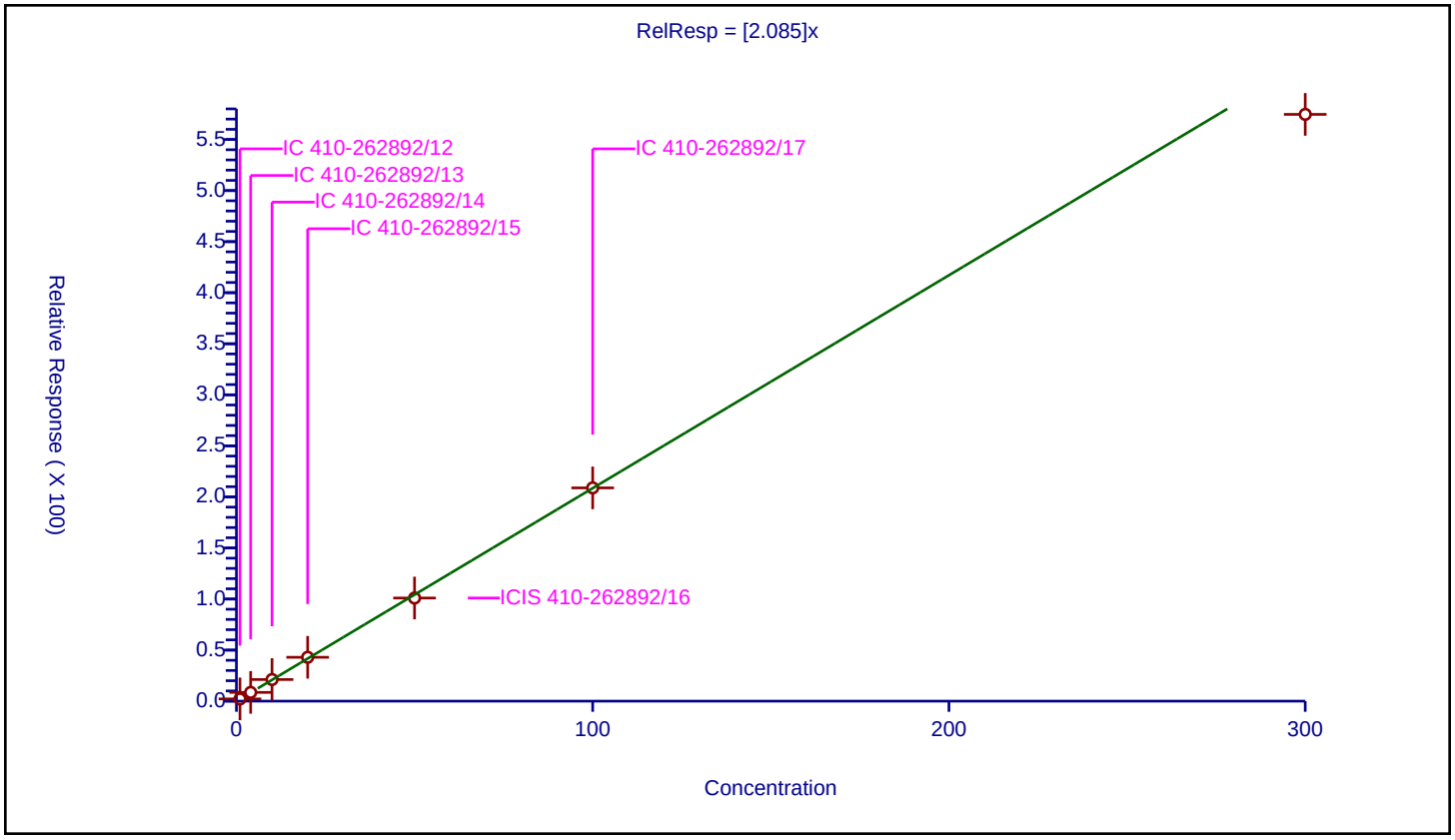
Curve Coefficients

Intercept:	0
Slope:	2.085

Error Coefficients

Standard Error:	1800000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	2.171491	50.0	301636.0	2.171491	Y
2	IC 410-262892/13	4.0	8.557747	50.0	314078.0	2.139437	Y
3	IC 410-262892/14	10.0	21.169019	50.0	313177.0	2.116902	Y
4	IC 410-262892/15	20.0	42.93343	50.0	315818.0	2.146672	Y
5	ICIS 410-262892/16	50.0	100.974562	50.0	328609.0	2.019491	Y
6	IC 410-262892/17	100.0	208.831047	50.0	330578.0	2.08831	Y
7	IC 410-262892/18	300.0	574.624154	50.0	358258.0	1.915414	Y



Calibration / 1,2,3-Trimethylbenzene

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

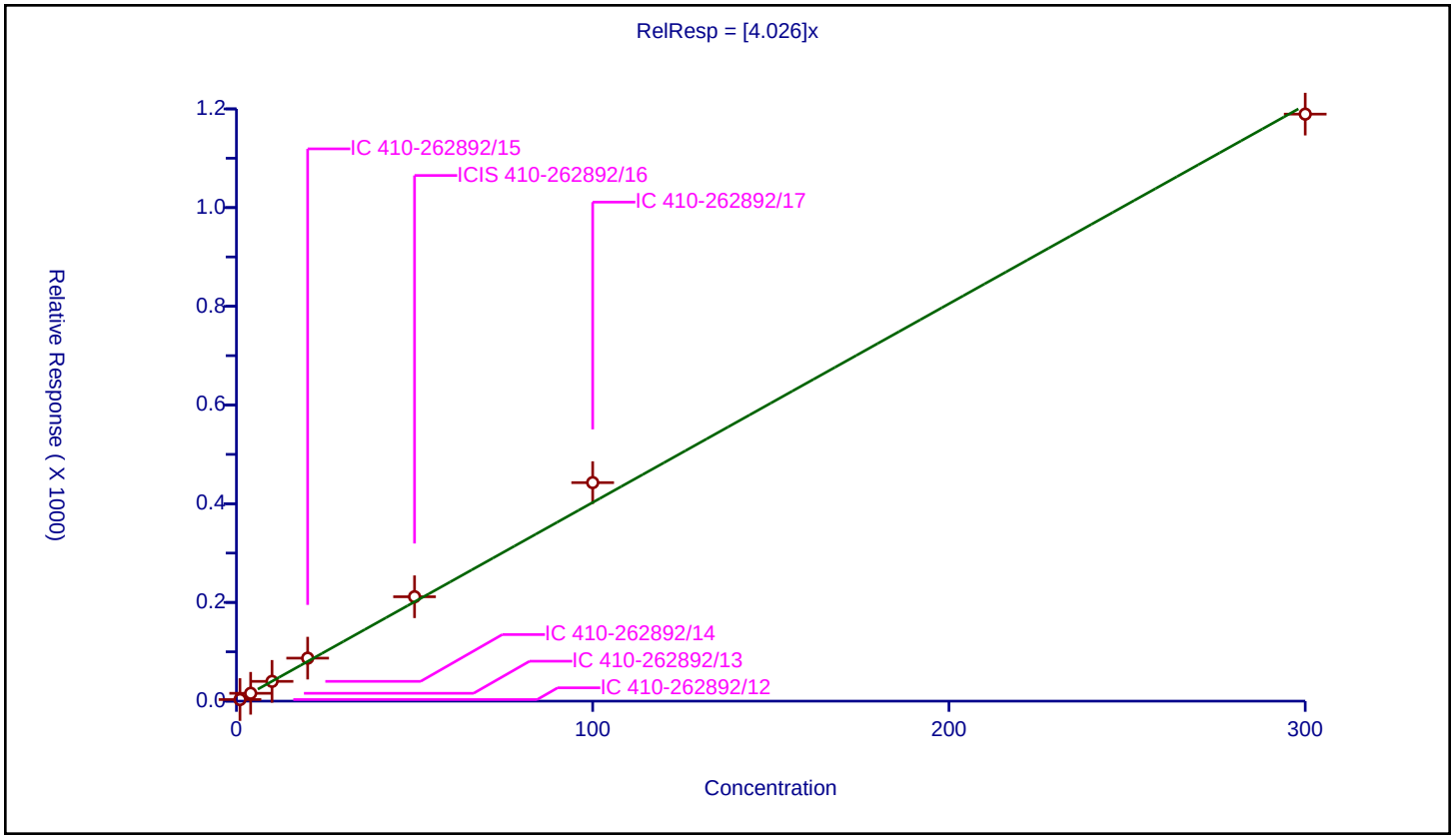
Curve Coefficients

Intercept:	0
Slope:	4.026

Error Coefficients

Standard Error:	3730000
Relative Standard Error:	10.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	3.22193	50.0	301636.0	3.22193	Y
2	IC 410-262892/13	4.0	15.889683	50.0	314078.0	3.972421	Y
3	IC 410-262892/14	10.0	40.058178	50.0	313177.0	4.005818	Y
4	IC 410-262892/15	20.0	87.139428	50.0	315818.0	4.356971	Y
5	ICIS 410-262892/16	50.0	211.491012	50.0	328609.0	4.22982	Y
6	IC 410-262892/17	100.0	442.777801	50.0	330578.0	4.427778	Y
7	IC 410-262892/18	300.0	1189.405401	50.0	358258.0	3.964685	Y



Calibration / Benzyl chloride

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

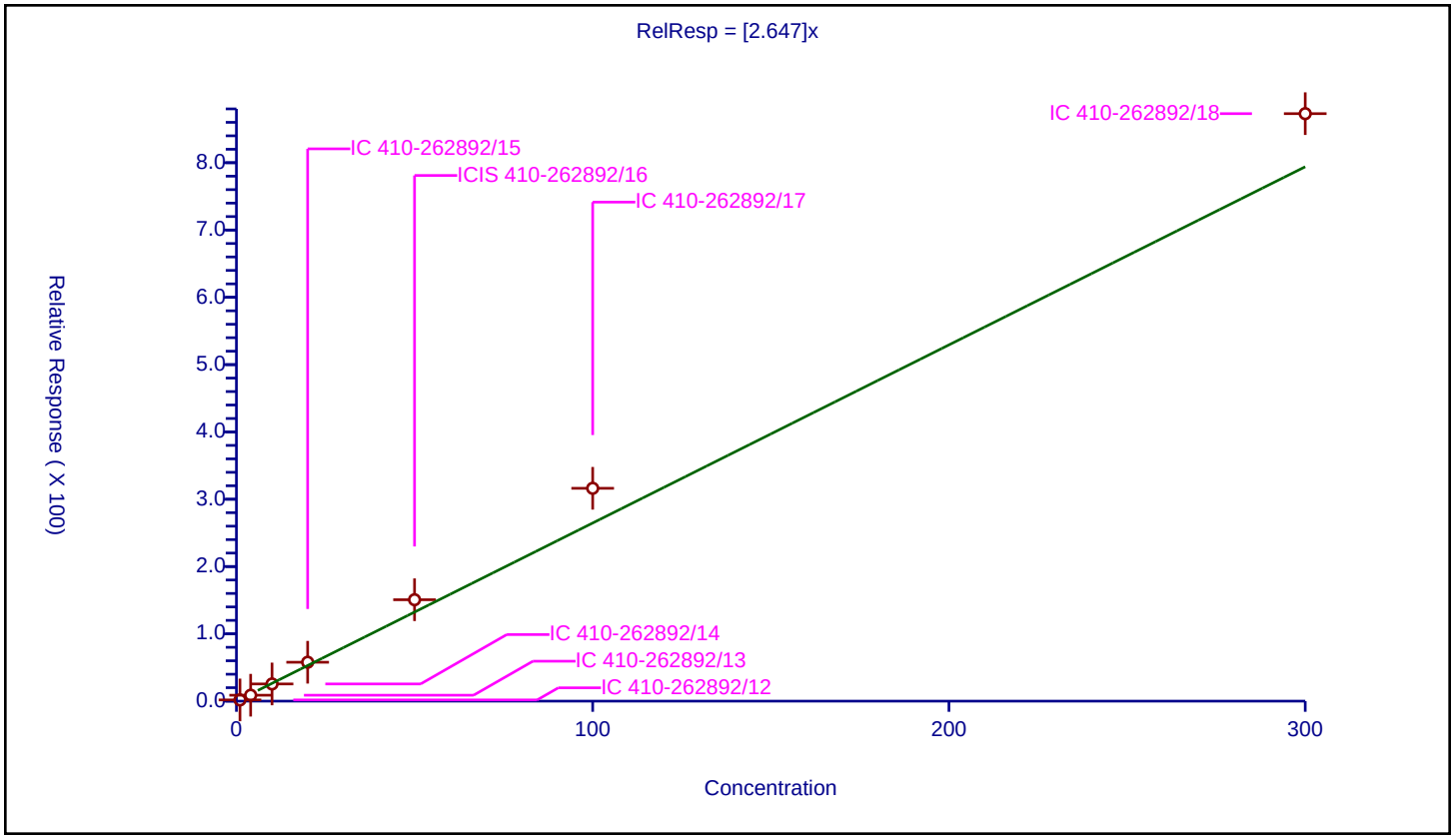
Curve Coefficients

Intercept:	0
Slope:	2.647

Error Coefficients

Standard Error:	2730000
Relative Standard Error:	18.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.79521	50.0	301636.0	1.79521	Y
2	IC 410-262892/13	4.0	8.802272	50.0	314078.0	2.200568	Y
3	IC 410-262892/14	10.0	25.551366	50.0	313177.0	2.555137	Y
4	IC 410-262892/15	20.0	57.795946	50.0	315818.0	2.889797	Y
5	ICIS 410-262892/16	50.0	150.693377	50.0	328609.0	3.013868	Y
6	IC 410-262892/17	100.0	316.257888	50.0	330578.0	3.162579	Y
7	IC 410-262892/18	300.0	872.929286	50.0	358258.0	2.909764	Y



Calibration / 1,3-Diethylbenzene

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

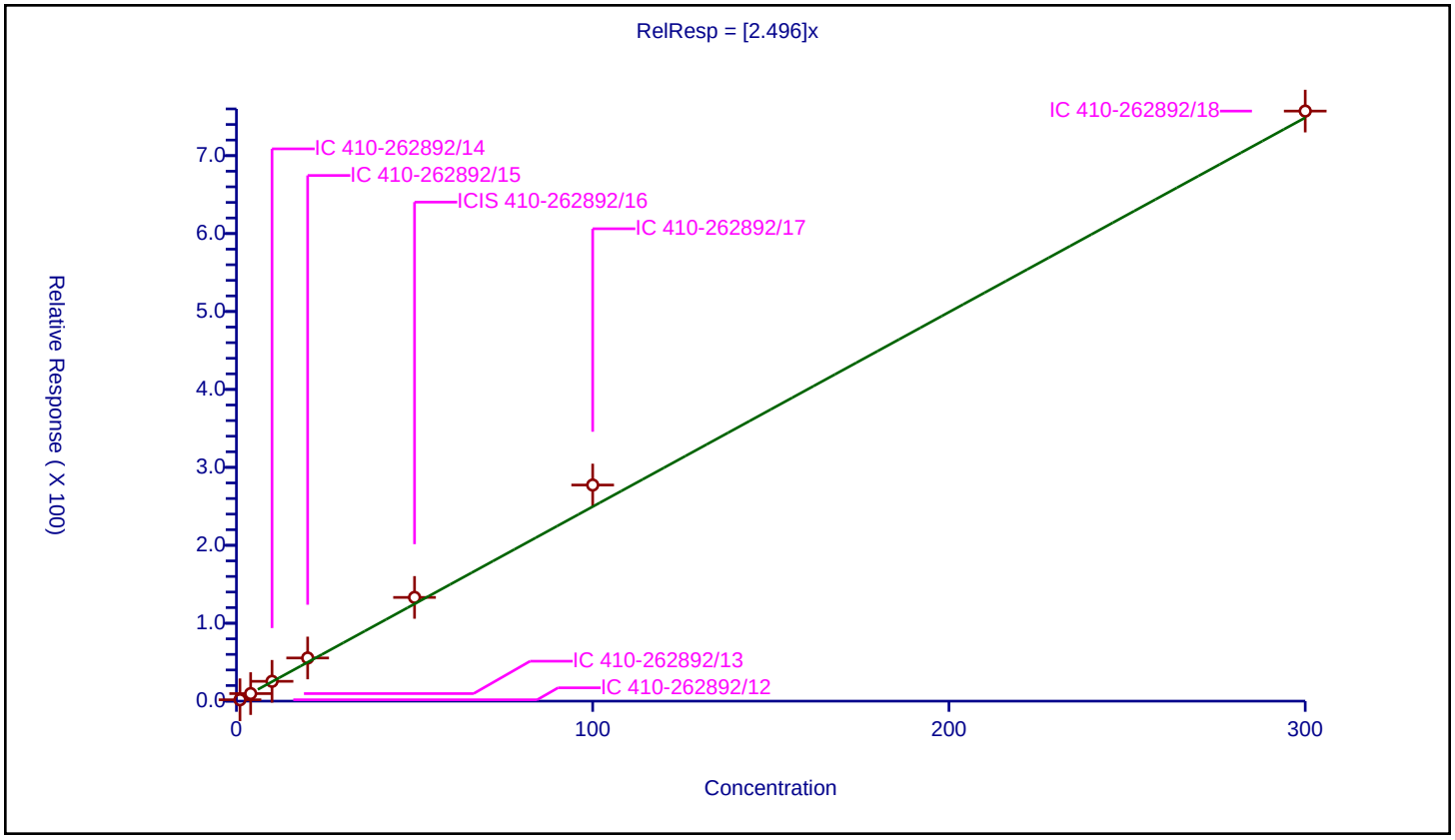
Curve Coefficients

Intercept:	0
Slope:	2.496

Error Coefficients

Standard Error:	2370000
Relative Standard Error:	13.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.774324	50.0	301636.0	1.774324	Y
2	IC 410-262892/13	4.0	9.69393	50.0	314078.0	2.423482	Y
3	IC 410-262892/14	10.0	25.437851	50.0	313177.0	2.543785	Y
4	IC 410-262892/15	20.0	55.374931	50.0	315818.0	2.768747	Y
5	ICIS 410-262892/16	50.0	133.108497	50.0	328609.0	2.66217	Y
6	IC 410-262892/17	100.0	277.330917	50.0	330578.0	2.773309	Y
7	IC 410-262892/18	300.0	757.213656	50.0	358258.0	2.524046	Y



Calibration / p-Diethylbenzene

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

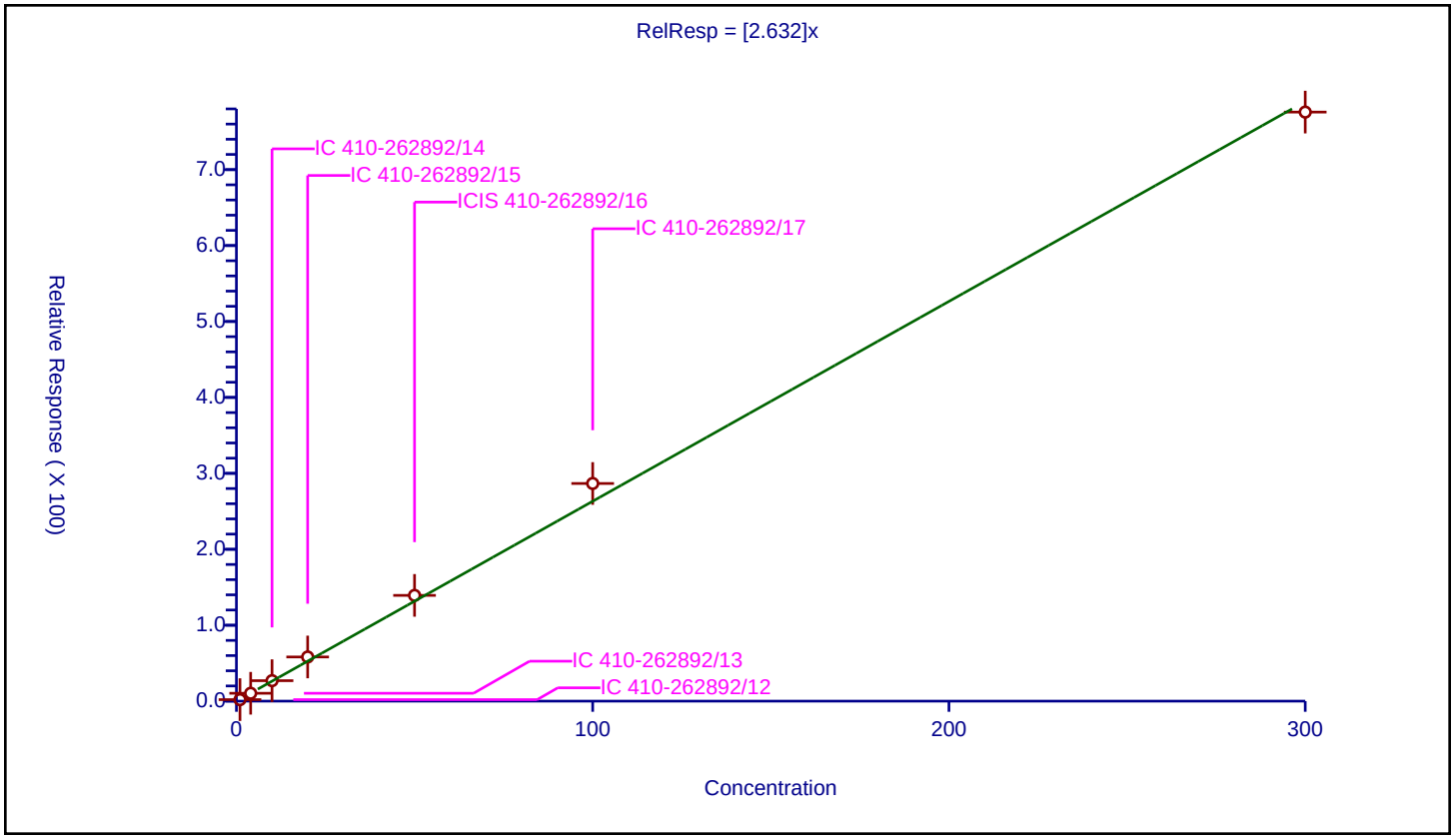
Curve Coefficients

Intercept:	0
Slope:	2.632

Error Coefficients

Standard Error:	2430000
Relative Standard Error:	11.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.996778	50.0	301636.0	1.996778	Y
2	IC 410-262892/13	4.0	10.348703	50.0	314078.0	2.587176	Y
3	IC 410-262892/14	10.0	26.959196	50.0	313177.0	2.69592	Y
4	IC 410-262892/15	20.0	58.171637	50.0	315818.0	2.908582	Y
5	ICIS 410-262892/16	50.0	139.281639	50.0	328609.0	2.785633	Y
6	IC 410-262892/17	100.0	286.653377	50.0	330578.0	2.866534	Y
7	IC 410-262892/18	300.0	775.785747	50.0	358258.0	2.585952	Y



Calibration / n-Butylbenzene

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

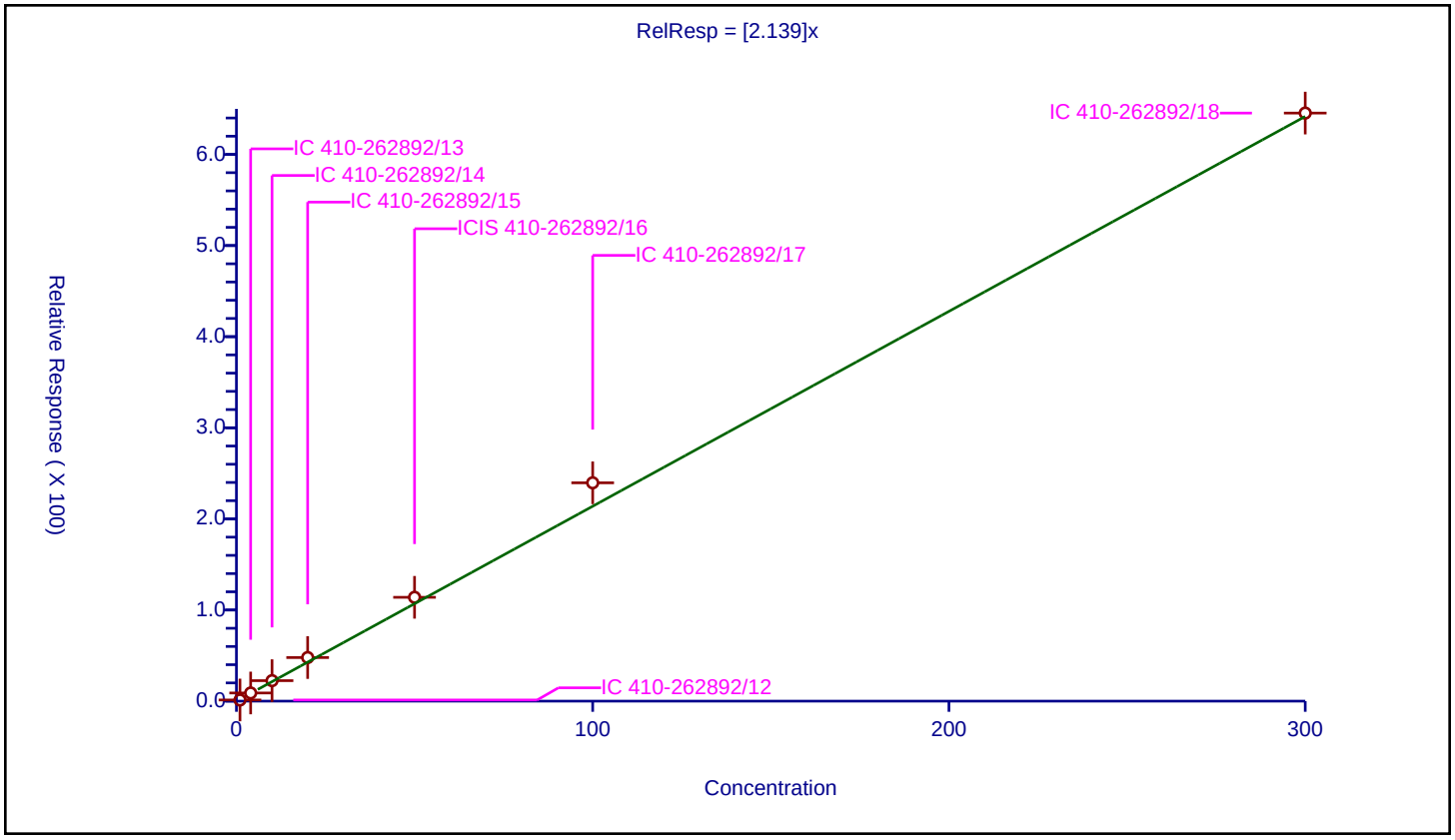
Curve Coefficients

Intercept:	0
Slope:	2.139

Error Coefficients

Standard Error:	2020000
Relative Standard Error:	18.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.264272	50.0	301636.0	1.264272	Y
2	IC 410-262892/13	4.0	8.967677	50.0	314078.0	2.241919	Y
3	IC 410-262892/14	10.0	22.482334	50.0	313177.0	2.248233	Y
4	IC 410-262892/15	20.0	47.84417	50.0	315818.0	2.392208	Y
5	ICIS 410-262892/16	50.0	113.943623	50.0	328609.0	2.278872	Y
6	IC 410-262892/17	100.0	239.627864	50.0	330578.0	2.396279	Y
7	IC 410-262892/18	300.0	645.419781	50.0	358258.0	2.151399	Y



Calibration / 1,2-Dichlorobenzene

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

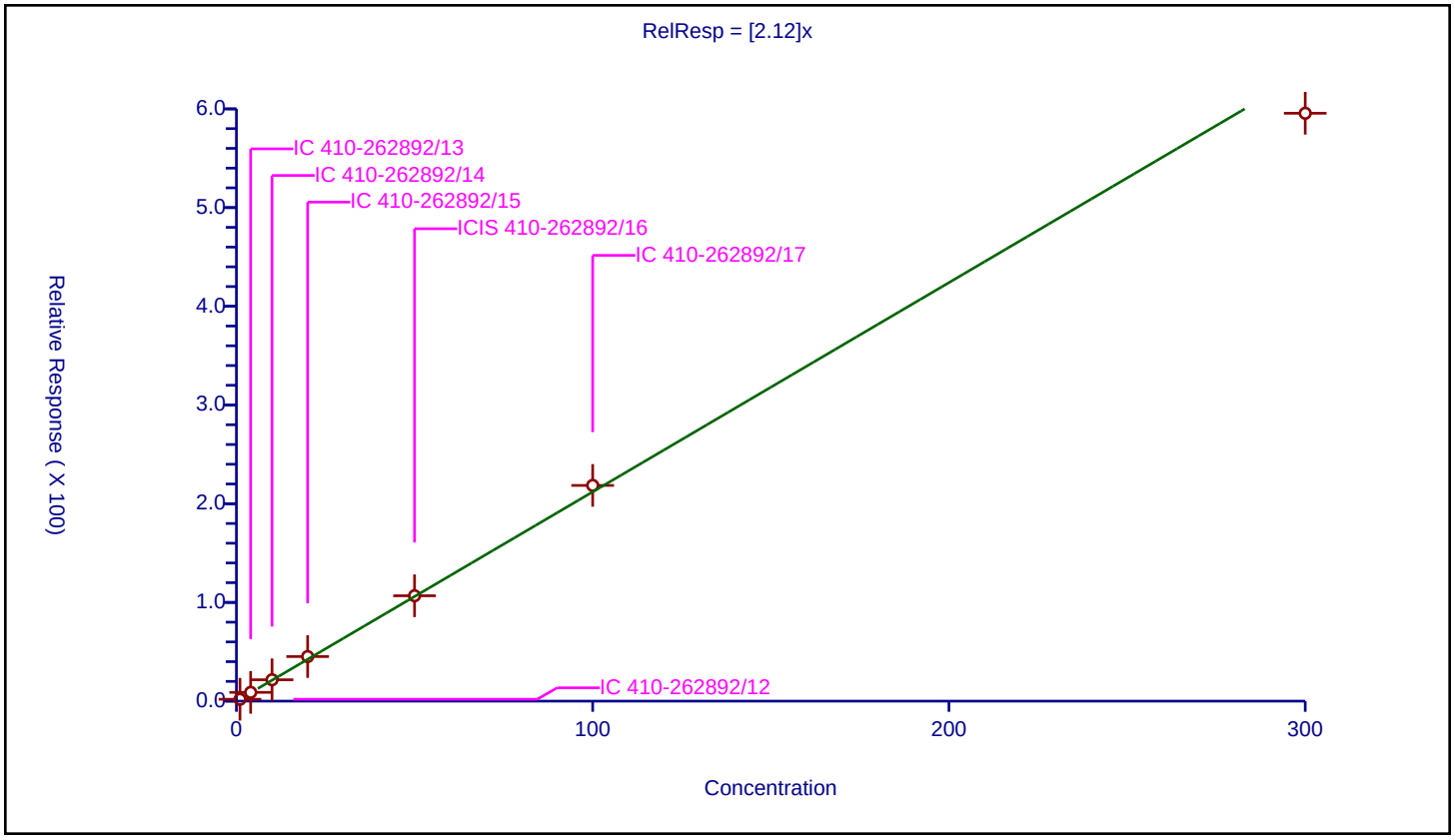
Curve Coefficients

Intercept:	0
Slope:	2.12

Error Coefficients

Standard Error:	1870000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.891518	50.0	301636.0	1.891518	Y
2	IC 410-262892/13	4.0	8.878686	50.0	314078.0	2.219672	Y
3	IC 410-262892/14	10.0	21.653729	50.0	313177.0	2.165373	Y
4	IC 410-262892/15	20.0	45.157021	50.0	315818.0	2.257851	Y
5	ICIS 410-262892/16	50.0	106.760162	50.0	328609.0	2.135203	Y
6	IC 410-262892/17	100.0	218.544337	50.0	330578.0	2.185443	Y
7	IC 410-262892/18	300.0	595.574279	50.0	358258.0	1.985248	Y



Calibration / o-diethylbenzene

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

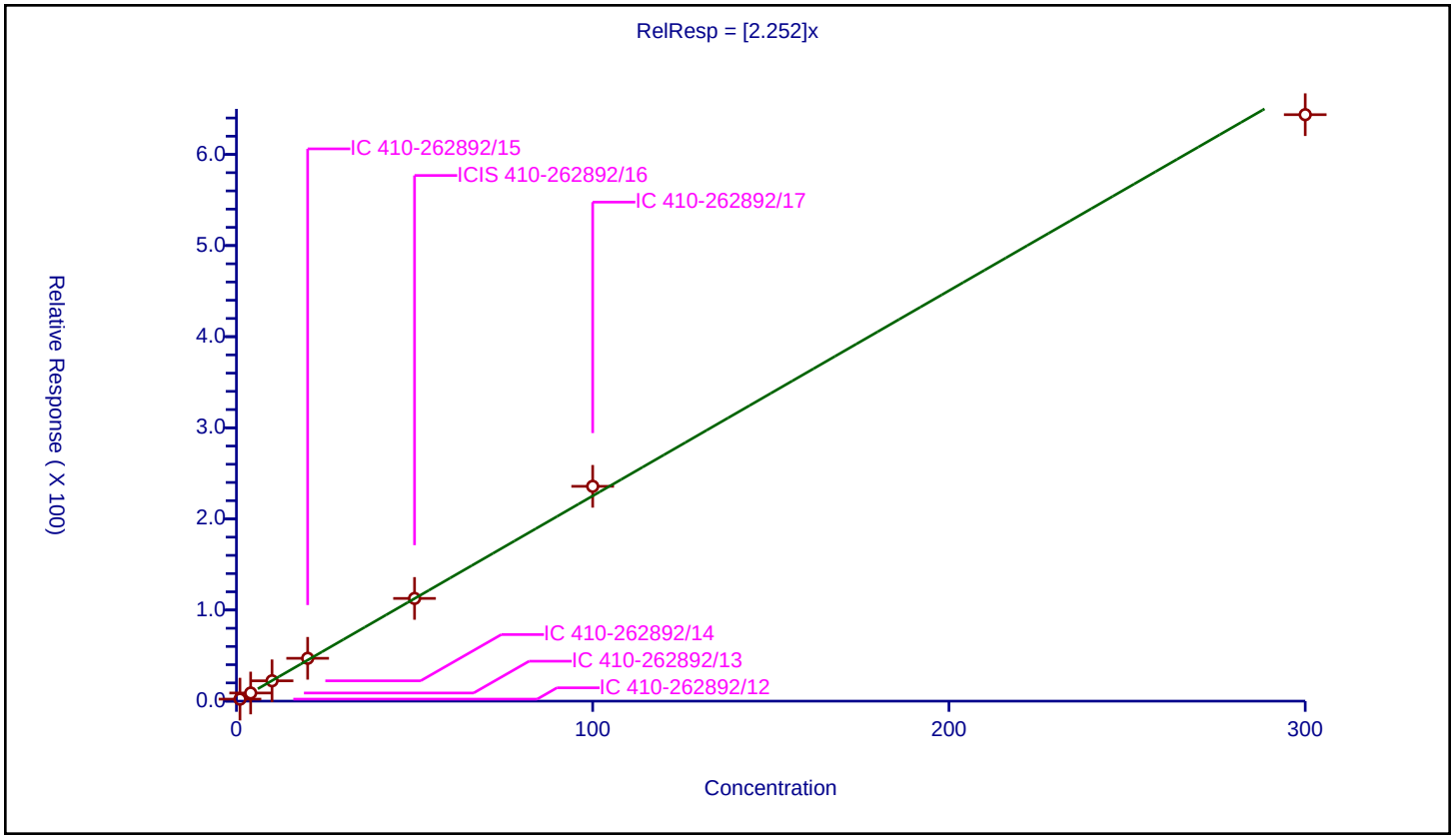
Curve Coefficients

Intercept:	0
Slope:	2.252

Error Coefficients

Standard Error:	2010000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	2.198345	50.0	301636.0	2.198345	Y
2	IC 410-262892/13	4.0	8.916416	50.0	314078.0	2.229104	Y
3	IC 410-262892/14	10.0	22.305118	50.0	313177.0	2.230512	Y
4	IC 410-262892/15	20.0	47.02471	50.0	315818.0	2.351236	Y
5	ICIS 410-262892/16	50.0	112.717394	50.0	328609.0	2.254348	Y
6	IC 410-262892/17	100.0	235.776428	50.0	330578.0	2.357764	Y
7	IC 410-262892/18	300.0	643.667971	50.0	358258.0	2.14556	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

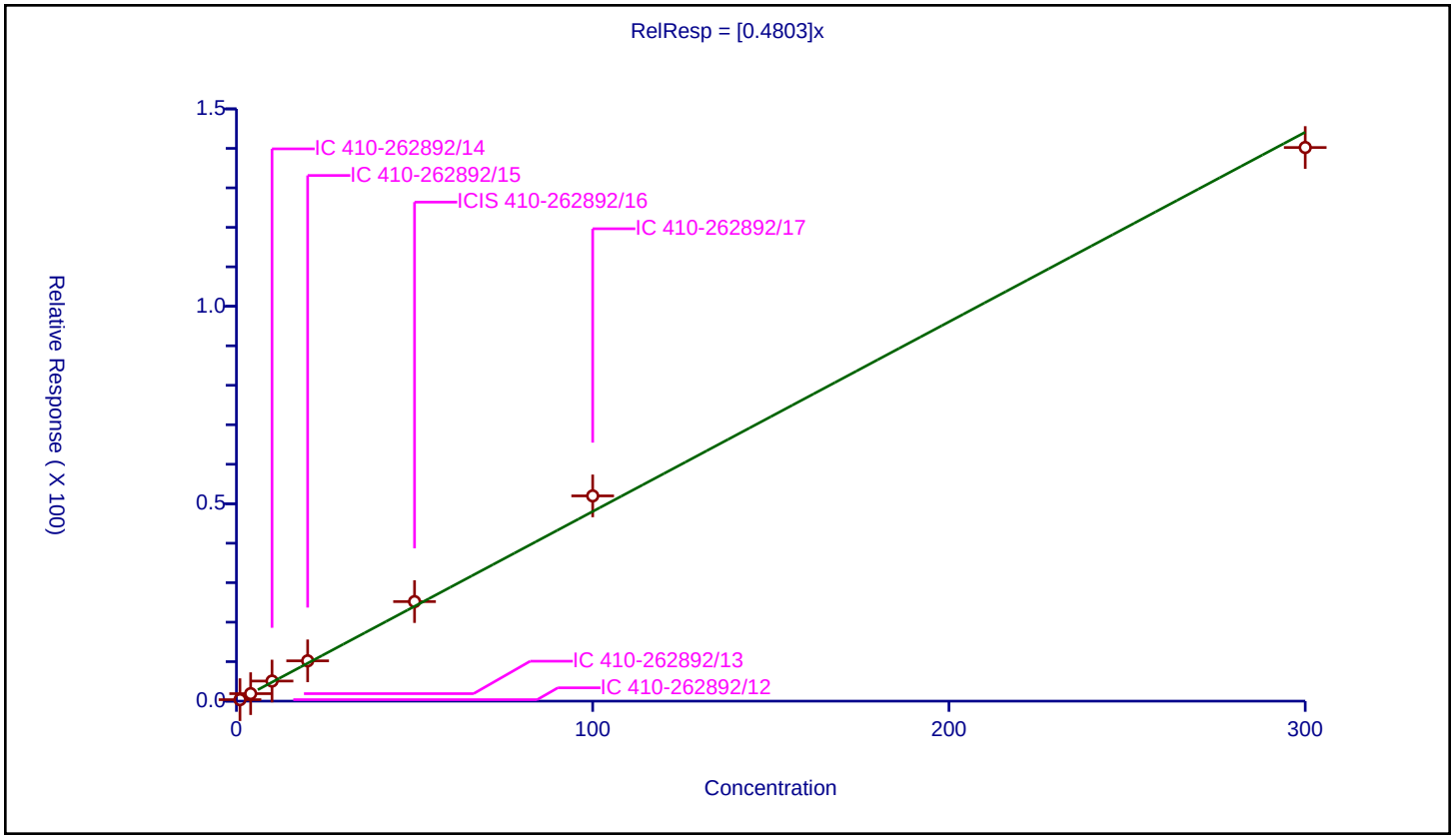
Curve Coefficients

Intercept:	0
Slope:	0.4803

Error Coefficients

Standard Error:	440000
Relative Standard Error:	10.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.376613	50.0	301636.0	0.376613	Y
2	IC 410-262892/13	4.0	1.899528	50.0	314078.0	0.474882	Y
3	IC 410-262892/14	10.0	5.089614	50.0	313177.0	0.508961	Y
4	IC 410-262892/15	20.0	10.208728	50.0	315818.0	0.510436	Y
5	ICIS 410-262892/16	50.0	25.209139	50.0	328609.0	0.504183	Y
6	IC 410-262892/17	100.0	51.985008	50.0	330578.0	0.51985	Y
7	IC 410-262892/18	300.0	140.217385	50.0	358258.0	0.467391	Y



Calibration / 1,3,5-Trichlorobenzene

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

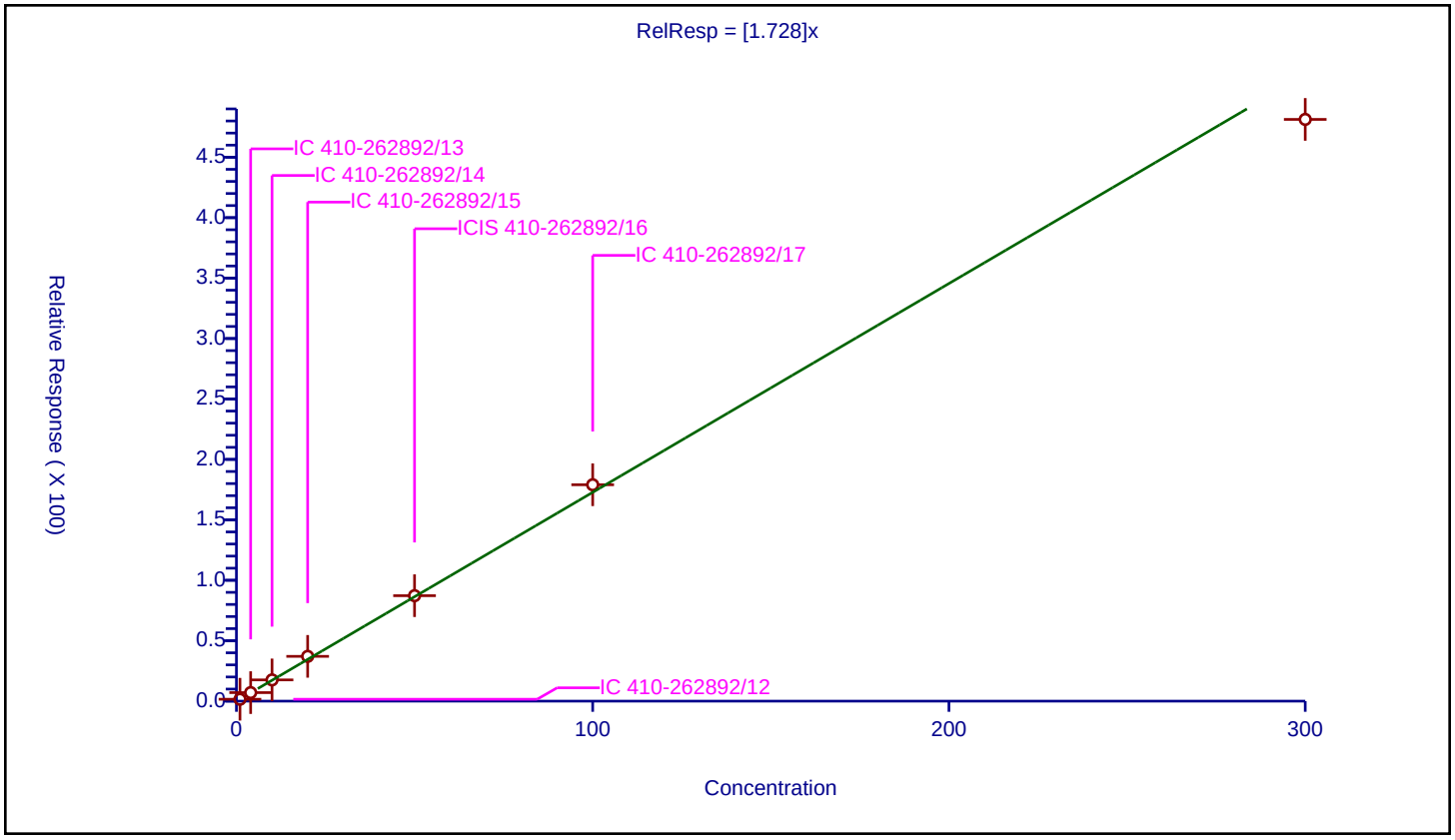
Curve Coefficients

Intercept:	0
Slope:	1.728

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.575575	50.0	301636.0	1.575575	Y
2	IC 410-262892/13	4.0	7.067989	50.0	314078.0	1.766997	Y
3	IC 410-262892/14	10.0	17.578877	50.0	313177.0	1.757888	Y
4	IC 410-262892/15	20.0	37.063435	50.0	315818.0	1.853172	Y
5	ICIS 410-262892/16	50.0	87.253544	50.0	328609.0	1.745071	Y
6	IC 410-262892/17	100.0	179.020534	50.0	330578.0	1.790205	Y
7	IC 410-262892/18	300.0	481.29309	50.0	358258.0	1.60431	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

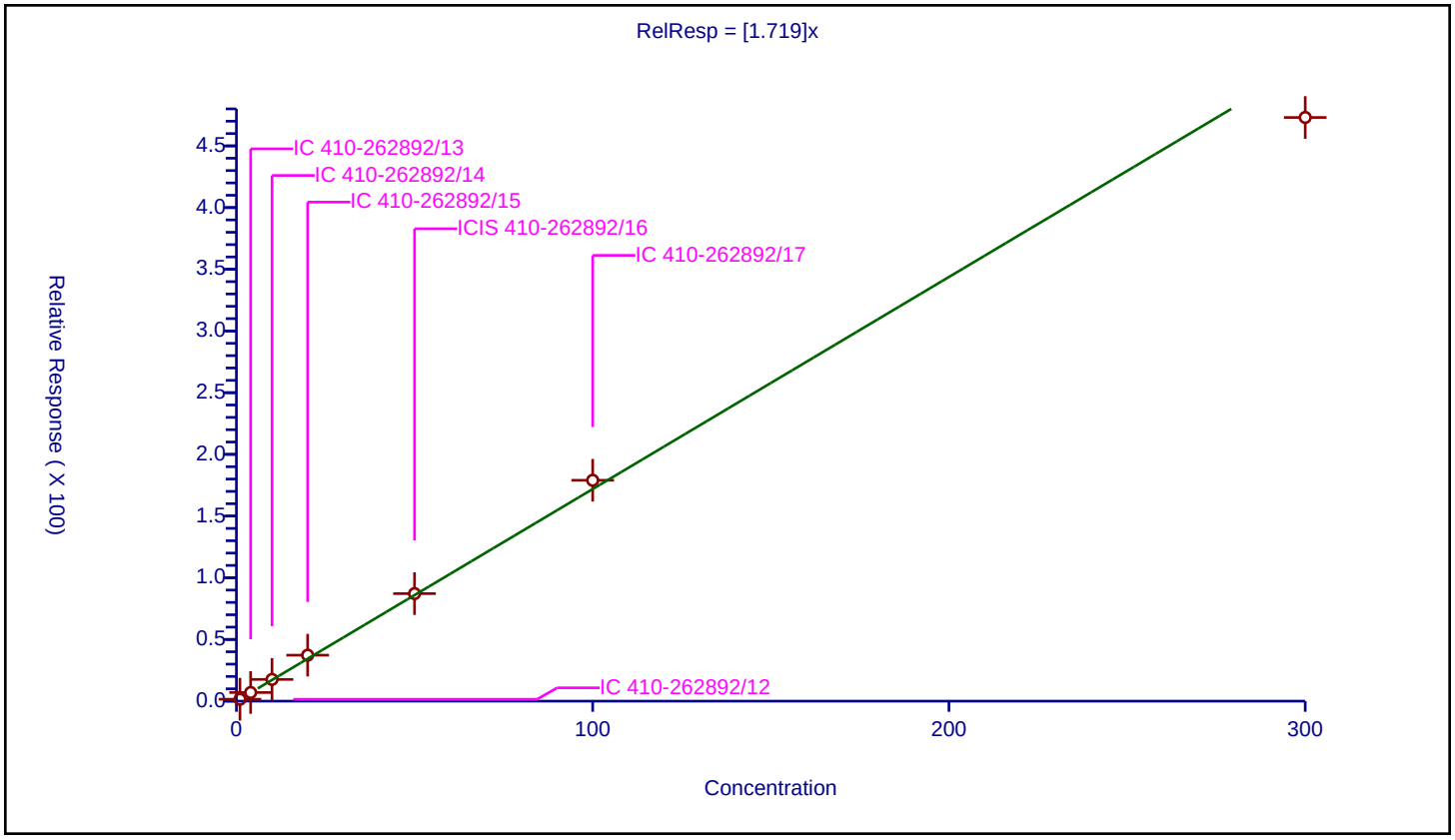
Curve Coefficients

Intercept:	0
Slope:	1.719

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	6.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.550544	50.0	301636.0	1.550544	Y
2	IC 410-262892/13	4.0	6.996033	50.0	314078.0	1.749008	Y
3	IC 410-262892/14	10.0	17.60506	50.0	313177.0	1.760506	Y
4	IC 410-262892/15	20.0	37.242969	50.0	315818.0	1.862148	Y
5	ICIS 410-262892/16	50.0	87.143992	50.0	328609.0	1.74288	Y
6	IC 410-262892/17	100.0	178.998602	50.0	330578.0	1.789986	Y
7	IC 410-262892/18	300.0	473.037867	50.0	358258.0	1.576793	Y



Calibration / Hexachlorobutadiene

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

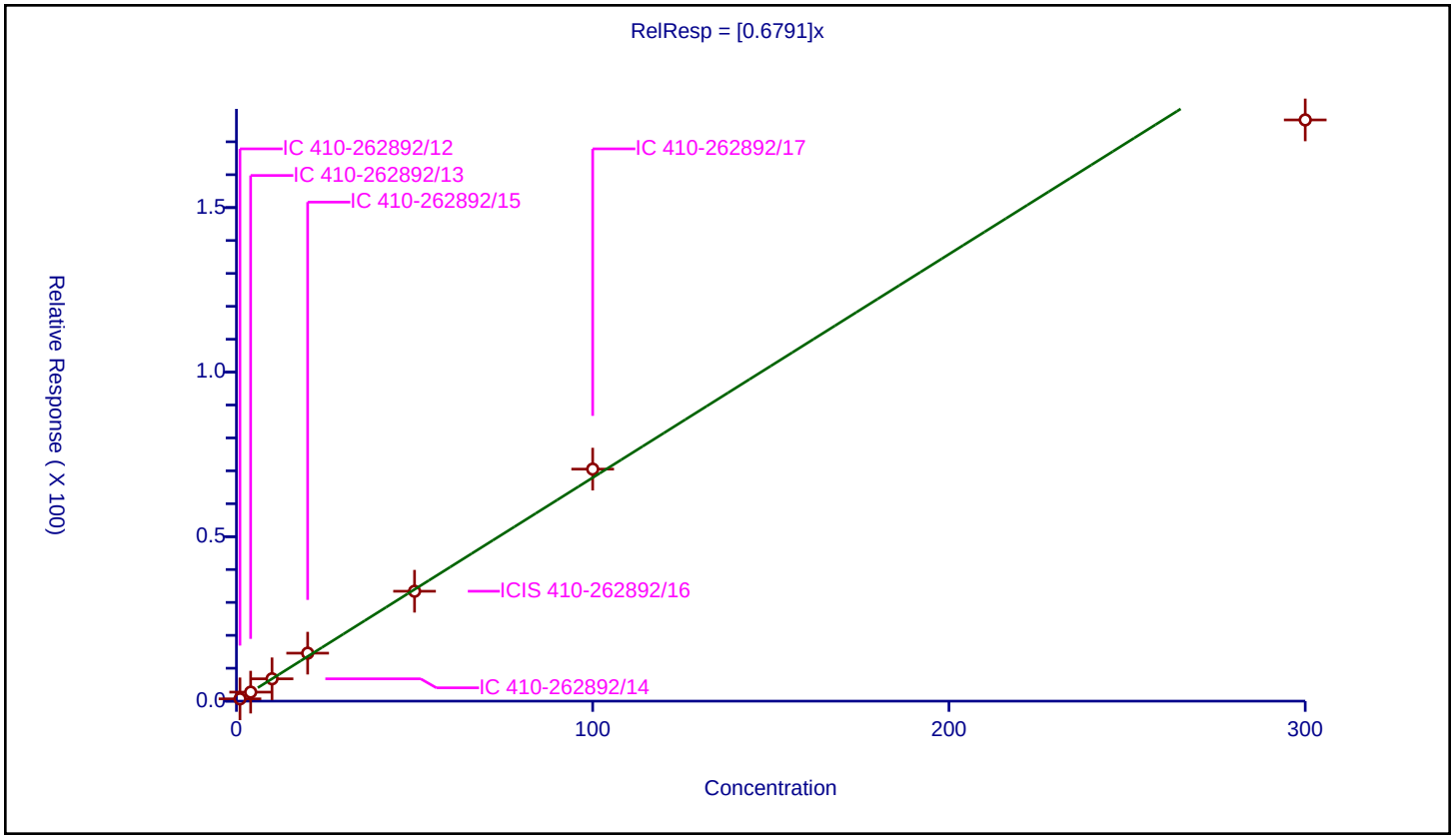
Curve Coefficients

Intercept:	0
Slope:	0.6791

Error Coefficients

Standard Error:	559000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	0.699187	50.0	301636.0	0.699187	Y
2	IC 410-262892/13	4.0	2.73881	50.0	314078.0	0.684703	Y
3	IC 410-262892/14	10.0	6.79025	50.0	313177.0	0.679025	Y
4	IC 410-262892/15	20.0	14.579283	50.0	315818.0	0.728964	Y
5	ICIS 410-262892/16	50.0	33.399268	50.0	328609.0	0.667985	Y
6	IC 410-262892/17	100.0	70.521178	50.0	330578.0	0.705212	Y
7	IC 410-262892/18	300.0	176.649649	50.0	358258.0	0.588832	Y



Calibration / Naphthalene

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

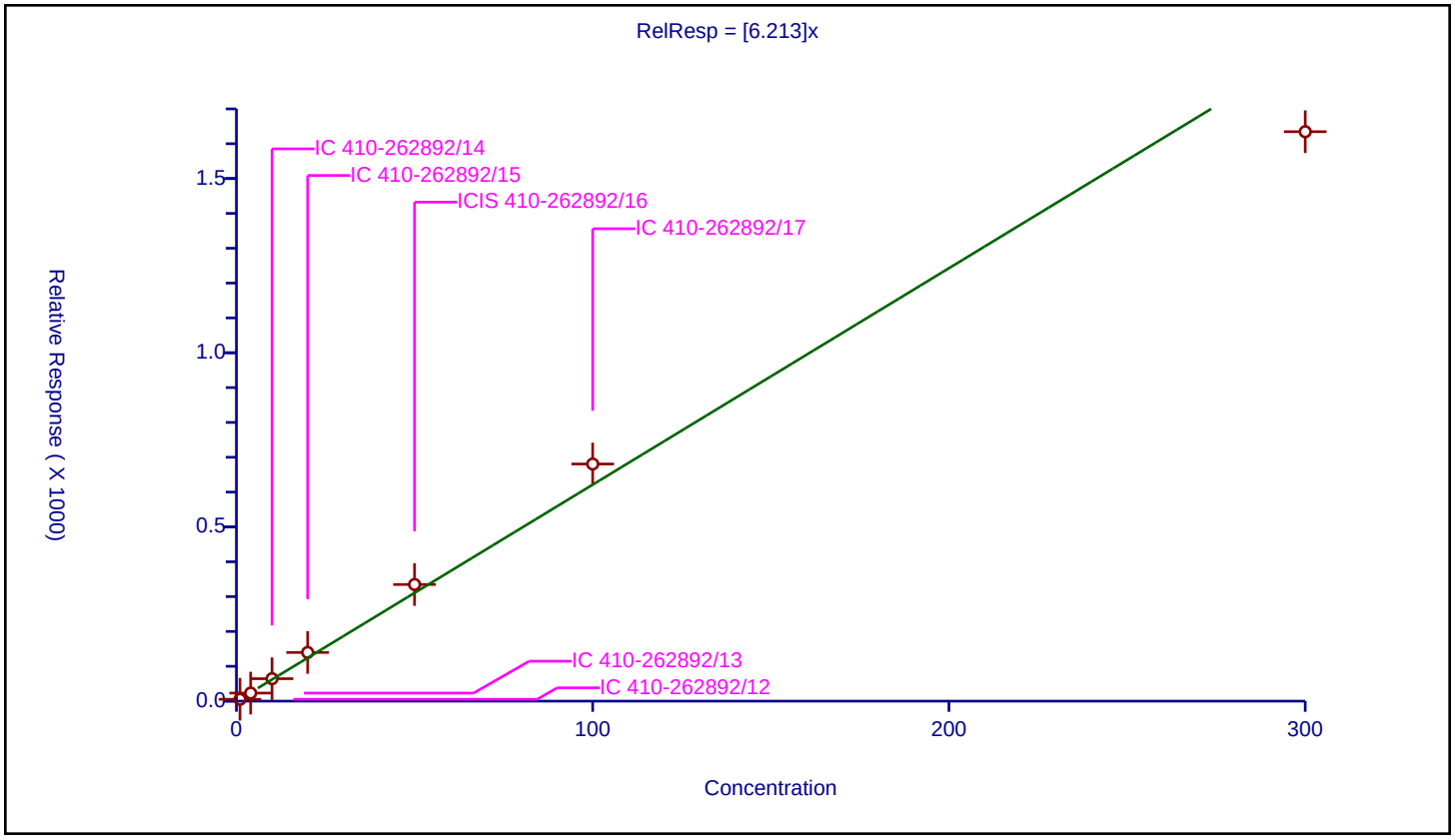
Curve Coefficients

Intercept:	0
Slope:	6.213

Error Coefficients

Standard Error:	5210000
Relative Standard Error:	11.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	5.32695	50.0	301636.0	5.32695	Y
2	IC 410-262892/13	4.0	23.151574	50.0	314078.0	5.787893	Y
3	IC 410-262892/14	10.0	64.396811	50.0	313177.0	6.439681	Y
4	IC 410-262892/15	20.0	139.748051	50.0	315818.0	6.987403	Y
5	ICIS 410-262892/16	50.0	334.831974	50.0	328609.0	6.696639	Y
6	IC 410-262892/17	100.0	680.695176	50.0	330578.0	6.806952	Y
7	IC 410-262892/18	300.0	1634.530004	50.0	358258.0	5.448433	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

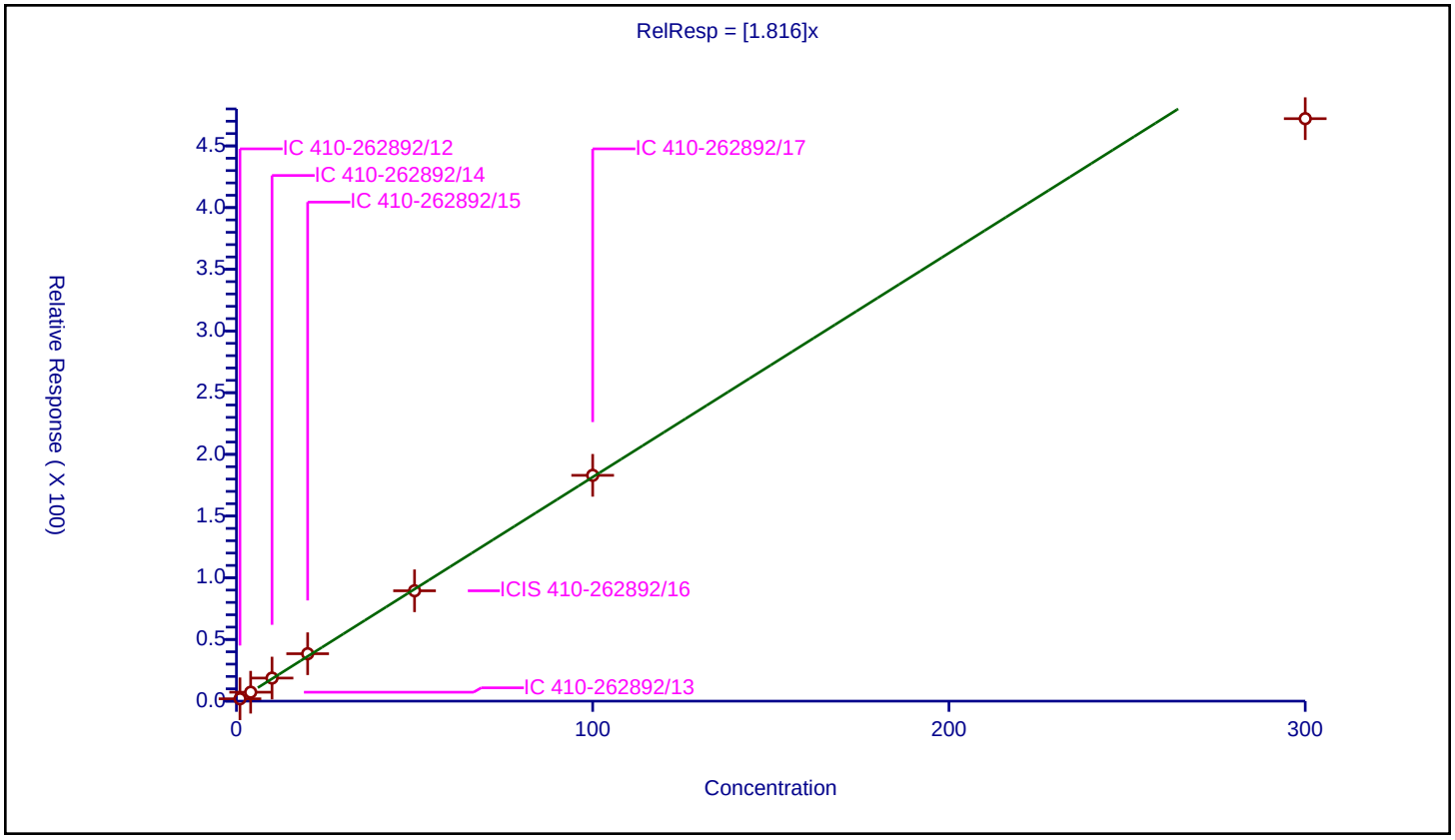
Curve Coefficients

Intercept:	0
Slope:	1.816

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	1.912404	50.0	301636.0	1.912404	Y
2	IC 410-262892/13	4.0	7.252179	50.0	314078.0	1.813045	Y
3	IC 410-262892/14	10.0	18.709867	50.0	313177.0	1.870987	Y
4	IC 410-262892/15	20.0	38.429729	50.0	315818.0	1.921486	Y
5	ICIS 410-262892/16	50.0	89.444903	50.0	328609.0	1.788898	Y
6	IC 410-262892/17	100.0	183.026396	50.0	330578.0	1.830264	Y
7	IC 410-262892/18	300.0	472.085899	50.0	358258.0	1.57362	Y



Calibration / 2-Methylnaphthalene

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

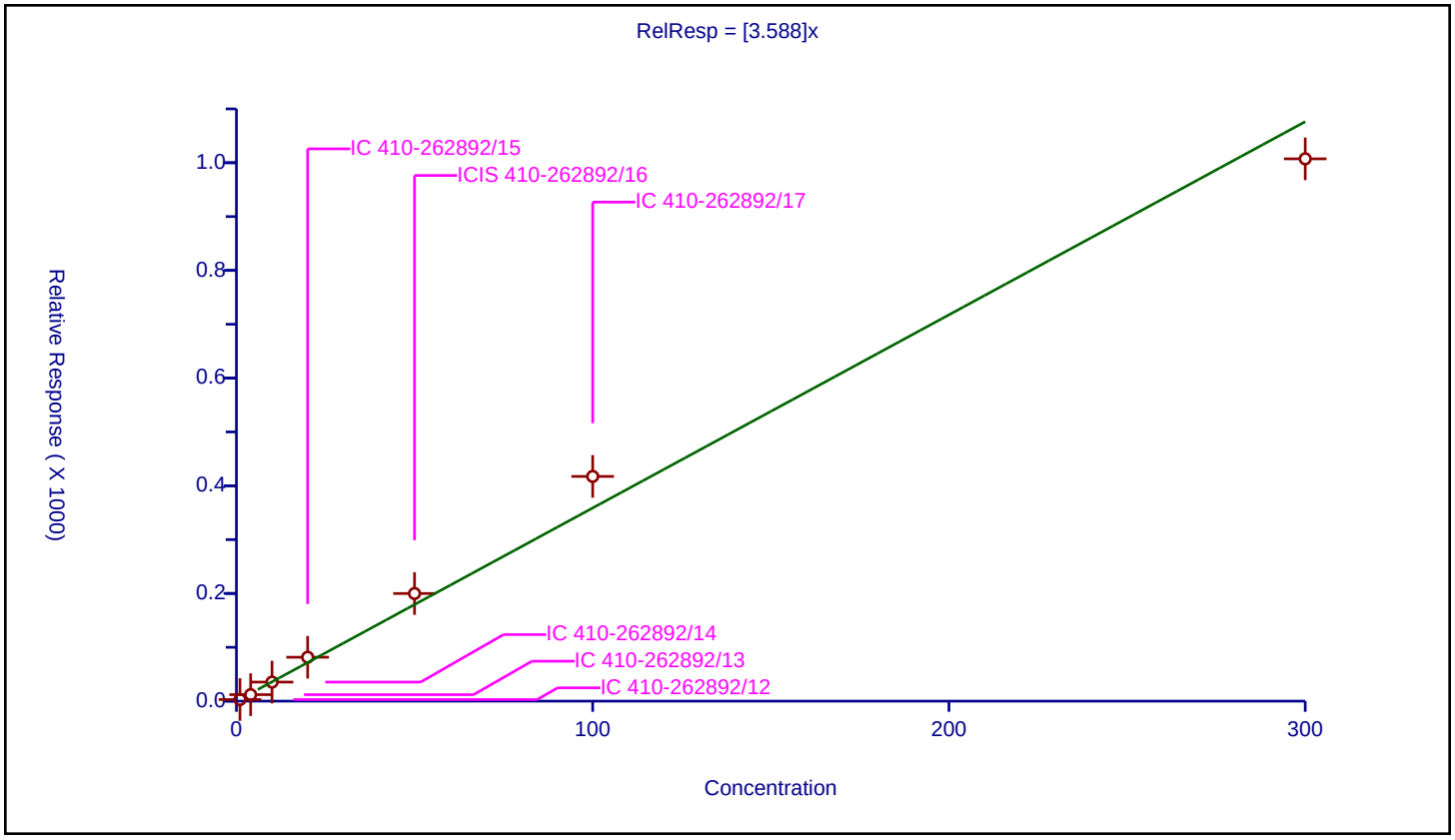
Curve Coefficients

Intercept:	0
Slope:	3.588

Error Coefficients

Standard Error:	3210000
Relative Standard Error:	14.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-262892/12	1.0	2.96019	50.0	301636.0	2.96019	Y
2	IC 410-262892/13	4.0	12.020899	50.0	314078.0	3.005225	Y
3	IC 410-262892/14	10.0	35.414797	50.0	313177.0	3.54148	Y
4	IC 410-262892/15	20.0	81.524327	50.0	315818.0	4.076216	Y
5	ICIS 410-262892/16	50.0	199.905206	50.0	328609.0	3.998104	Y
6	IC 410-262892/17	100.0	417.406331	50.0	330578.0	4.174063	Y
7	IC 410-262892/18	300.0	1007.252874	50.0	358258.0	3.35751	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: ICV 410-262892/20 Calibration Date: 06/07/2022 18:12

Instrument ID: 9355 Calib Start Date: 06/07/2022 15:15

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/07/2022 17:28

Lab File ID: YU07X20.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	0.5091	0.4771	0.1000	18.7	20.0	-6.3	30.0
Chloromethane	Ave	0.6484	0.5777	0.1000	17.8	20.0	-10.9	30.0
Vinyl chloride	Ave	0.6369	0.5617	0.1000	17.6	20.0	-11.8	30.0
1,3-Butadiene	Ave	0.5492	0.4695		17.1	20.0	-14.5	30.0
Bromomethane	Ave	0.4122	0.3500	0.1000	17.0	20.0	-15.1	30.0
Chloroethane	Ave	0.3145	0.2727	0.1000	17.3	20.0	-13.3	30.0
Dichlorofluoromethane	Ave	0.8008	0.7733		19.3	20.0	-3.4	30.0
Trichlorofluoromethane	Ave	0.6470	0.5924	0.1000	18.3	20.0	-8.4	30.0
n-Pentane	Ave	0.6275	0.6169		19.7	20.0	-1.7	30.0
Ethyl ether	Ave	0.2953	0.3060		20.7	19.9	3.6	30.0
Freon 123a	Ave	0.4442	0.4236		19.1	20.0	-4.6	30.0
Acrolein	Ave	1.599	1.558		146	150	-2.6	30.0
1,1-Dichloroethene	Ave	0.3144	0.3141	0.1000	20.0	20.0	-0.1	30.0
Acetone	Ave	0.7958	0.8159	0.1000	256	250	2.5	30.0
Freon 113	Ave	0.3721	0.3944	0.1000	21.2	20.0	6.0	30.0
2-Propanol	Ave	0.8597	0.7340		128	150	-14.6	30.0
Methyl iodide	Ave	0.5718	0.5862		20.5	20.0	2.5	30.0
Carbon disulfide	Ave	1.139	1.182	0.1000	20.7	20.0	3.7	30.0
Methyl acetate	Ave	0.4713	0.4989	0.1000	21.2	20.0	5.9	30.0
Allyl chloride	Ave	0.4913	0.4748		19.3	20.0	-3.4	30.0
Methylene Chloride	Ave	0.3729	0.3658	0.1000	19.6	20.0	-1.9	30.0
t-Butyl alcohol	Ave	1.340	1.359		203	200	1.4	30.0
Acrylonitrile	Ave	0.2520	0.2629		104	100	4.3	30.0
Methyl tertiary butyl ether	Ave	1.123	1.107	0.1000	19.7	20.0	-1.4	30.0
trans-1,2-Dichloroethene	Ave	0.3287	0.3138	0.1000	19.1	20.0	-4.5	30.0
n-Hexane	Ave	0.5058	0.4998		19.8	20.0	-1.2	30.0
1,1-Dichloroethane	Ave	0.6020	0.5593	0.2000	18.6	20.0	-7.1	30.0
di-Isopropyl ether	Ave	1.103	1.076		19.5	20.0	-2.4	30.0
2-Chloro-1,3-butadiene	Ave	0.4655	0.4708		20.2	20.0	1.1	30.0
Ethyl t-butyl ether	Ave	1.047	1.037		19.8	20.0	-0.9	30.0
2-Butanone	Ave	0.3554	0.3688	0.1000	259	250	3.8	30.0
cis-1,2-Dichloroethene	Ave	0.3616	0.3669	0.1000	20.3	20.0	1.5	30.0
2,2-Dichloropropane	Ave	0.5165	0.5041		19.5	20.0	-2.4	30.0
Propionitrile	Ave	1.300	1.363		157	150	4.8	30.0
Methacrylonitrile	Ave	0.2434	0.2511		155	150	3.2	30.0
Bromochloromethane	Ave	0.1873	0.1887		20.2	20.0	0.8	30.0
Tetrahydrofuran	Ave	1.048	1.087		104	100	3.7	30.0
Chloroform	Ave	0.5801	0.5530	0.2000	19.1	20.0	-4.7	30.0
1,1,1-Trichloroethane	Ave	0.5348	0.5066	0.1000	18.9	20.0	-5.3	30.0
Cyclohexane	Ave	0.7007	0.6755	0.1000	19.3	20.0	-3.6	30.0
1,1-Dichloropropene	Ave	0.4703	0.4565		19.4	20.0	-2.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: ICV 410-262892/20 Calibration Date: 06/07/2022 18:12

Instrument ID: 9355 Calib Start Date: 06/07/2022 15:15

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/07/2022 17:28

Lab File ID: YU07X20.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
Carbon tetrachloride	Ave	0.4419	0.4172	0.1000	18.9	20.0	-5.6	30.0
Isobutyl alcohol	Ave	0.4426	0.4320		488	500	-2.4	30.0
Benzene	Ave	1.427	1.387	0.5000	19.4	20.0	-2.8	30.0
1,2-Dichloroethane	Ave	0.4728	0.4587	0.1000	19.4	20.0	-3.0	30.0
t-Amyl methyl ether	Ave	1.033	1.026		19.9	20.0	-0.6	30.0
n-Heptane	Ave	0.5784	0.5762		19.9	20.0	-0.4	30.0
n-Butanol	Ave	0.3842	0.3702		964	1000	-3.6	30.0
Trichloroethene	Ave	0.3557	0.3376	0.2000	19.0	20.0	-5.1	30.0
Methylcyclohexane	Ave	0.7075	0.6955	0.1000	19.7	20.0	-1.7	30.0
1,2-Dichloropropane	Ave	0.3835	0.3731	0.1000	19.5	20.0	-2.7	30.0
t-Amyl ethyl ether	Ave	0.4758	0.4804		20.2	20.0	1.0	30.0
Methyl methacrylate	Ave	0.3416	0.3522		20.6	20.0	3.1	30.0
1,4-Dioxane	Ave	0.1282	0.1221	0.0050	476	500	-4.8	30.0
Dibromomethane	Ave	0.2443	0.2386		19.5	20.0	-2.3	30.0
Bromodichloromethane	Ave	0.4367	0.4178	0.2000	19.1	20.0	-4.3	30.0
2-Nitropropane	Ave	1.639	1.401		17.1	20.0	-14.5	30.0
2-Chloroethyl vinyl ether	Ave	0.2572	0.2471		19.2	20.0	-3.9	30.0
cis-1,3-Dichloropropene	Ave	0.5640	0.5253	0.2000	18.6	20.0	-6.9	30.0
4-Methyl-2-pentanone	Ave	0.6851	0.7257	0.1000	265	250	5.9	30.0
Toluene	Ave	1.171	1.140	0.4000	19.5	20.0	-2.6	30.0
trans-1,3-Dichloropropene	Ave	0.6691	0.6581	0.1000	19.7	20.0	-1.6	30.0
Ethyl methacrylate	Ave	0.7242	0.7328		20.2	20.0	1.2	30.0
1,1,2-Trichloroethane	Ave	0.4523	0.4465	0.1000	19.7	20.0	-1.3	30.0
Tetrachloroethene	Ave	0.4773	0.4584	0.2000	19.2	20.0	-3.9	30.0
1,3-Dichloropropane	Ave	0.7529	0.7357		19.5	20.0	-2.3	30.0
2-Hexanone	Ave	0.6195	0.6924	0.1000	279	250	11.8	30.0
Dibromochloromethane	Ave	0.4896	0.4666		19.1	20.0	-4.7	30.0
1,2-Dibromoethane	Ave	0.4823	0.4746	0.1000	19.7	20.0	-1.6	30.0
1-Chlorohexane	Ave	0.6273	0.5896		18.8	20.0	-6.0	30.0
Chlorobenzene	Ave	1.364	1.316	0.5000	19.3	20.0	-3.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4988	0.4814		19.3	20.0	-3.5	30.0
Ethylbenzene	Ave	2.307	2.254	0.1000	19.5	20.0	-2.3	30.0
m&p-Xylene	Ave	0.8997	0.8870	0.1000	39.4	40.0	-1.4	30.0
o-Xylene	Ave	0.9395	0.9218	0.3000	19.6	20.0	-1.9	30.0
Styrene	Ave	1.406	1.413	0.3000	20.1	20.0	0.5	30.0
Bromoform	Ave	0.3703	0.3561	0.1000	19.2	20.0	-3.8	30.0
Isopropylbenzene	Ave	2.460	2.471	0.1000	20.1	20.0	0.4	30.0
Cyclohexanone	Ave	0.5222	0.4025		385	500	-22.9	30.0
1,1,2,2-Tetrachloroethane	Ave	1.569	1.517	0.3000	19.3	20.0	-3.3	30.0
trans-1,4-Dichloro-2-butene	Ave	0.4216	0.4292		102	100	1.8	30.0
Bromobenzene	Ave	0.9636	0.9642		20.0	20.0	0.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: ICV 410-262892/20 Calibration Date: 06/07/2022 18:12

Instrument ID: 9355 Calib Start Date: 06/07/2022 15:15

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/07/2022 17:28

Lab File ID: YU07X20.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
1,2,3-Trichloropropane	Ave	0.4502	0.4341		19.3	20.0	-3.6	30.0
N-Propylbenzene	Ave	4.939	4.809		19.5	20.0	-2.6	30.0
2-Chlorotoluene	Ave	1.036	1.019		19.7	20.0	-1.7	30.0
1,3,5-Trimethylbenzene	Ave	3.679	3.552		19.3	20.0	-3.5	30.0
4-Chlorotoluene	Ave	1.006	0.9794		19.5	20.0	-2.7	30.0
tert-Butylbenzene	Ave	0.7014	0.6800		19.4	20.0	-3.1	30.0
1,2,4-Trimethylbenzene	Ave	3.758	3.699		19.7	20.0	-1.6	30.0
sec-Butylbenzene	Ave	4.771	4.745		19.9	20.0	-0.5	30.0
1,3-Dichlorobenzene	Ave	1.975	1.891	0.6000	19.2	20.0	-4.2	30.0
p-Isopropyltoluene	Ave	4.108	4.071		19.8	20.0	-0.9	30.0
1,4-Dichlorobenzene	Ave	2.085	2.007	0.5000	19.2	20.0	-3.8	30.0
1,2,3-Trimethylbenzene	Ave	4.026	3.953		19.6	20.0	-1.8	30.0
Benzyl chloride	Ave	2.647	2.521		19.0	20.0	-4.8	30.0
1,3-Diethylbenzene	Ave	2.496	2.464		19.7	20.0	-1.3	30.0
1,4-Diethylbenzene	Ave	2.632	2.608		19.8	20.0	-0.9	30.0
n-Butylbenzene	Ave	2.139	2.072		19.4	20.0	-3.1	30.0
1,2-Dichlorobenzene	Ave	2.120	2.062	0.4000	19.5	20.0	-2.7	30.0
1,2-Diethylbenzene	Ave	2.252	2.112		18.8	20.0	-6.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.4803	0.4248	0.0500	17.7	20.0	-11.6	30.0
1,3,5-Trichlorobenzene	Ave	1.728	1.673		19.4	20.0	-3.2	30.0
1,2,4-Trichlorobenzene	Ave	1.719	1.644	0.2000	19.1	20.0	-4.4	30.0
Hexachlorobutadiene	Ave	0.6791	0.5910		17.4	20.0	-13.0	30.0
Naphthalene	Ave	6.213	6.064		19.5	20.0	-2.4	30.0
1,2,3-Trichlorobenzene	Ave	1.816	1.699		18.7	20.0	-6.4	30.0
2-Methylnaphthalene	Ave	3.588	3.303		18.4	20.0	-7.9	30.0
Dibromofluoromethane (Surr)	Ave	0.2400	0.2405		50.1	50.0	0.2	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0617	0.0617		50.0	50.0	0.1	30.0
Toluene-d8 (Surr)	Ave	1.331	1.345		50.5	50.0	1.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5009	0.5042		50.3	50.0	0.7	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 07-Jun-2022 18:12:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0058956-020
Misc. Info.: ICV LG
Operator ID: kas02648 Instrument ID: 9355
Sublist:

Method: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jun-2022 09:57:41 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: mellingerc Date: 08-Jun-2022 09:56:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.983	1.983	0.000	99	132545	20.0	18.7	
4 Chloromethane	50	2.184	2.190	-0.006	99	160509	20.0	17.8	
6 Vinyl chloride	62	2.287	2.293	-0.006	98	156062	20.0	17.6	
5 Butadiene	39	2.311	2.318	-0.007	92	130437	20.0	17.1	
8 Bromomethane	94	2.634	2.640	-0.006	90	97230	20.0	17.0	
9 Chloroethane	64	2.707	2.719	-0.012	99	75763	20.0	17.3	
10 Dichlorofluoromethane	67	2.956	2.962	-0.006	97	214854	20.0	19.3	
11 Trichlorofluoromethane	101	3.023	3.041	-0.018	94	164591	20.0	18.3	
12 Pentane	43	3.041	3.054	-0.013	97	171410	20.0	19.7	
14 Ethyl ether	59	3.254	3.267	-0.013	93	84746	19.9	20.7	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.346	3.358	-0.012	94	117699	20.0	19.1	
16 Acrolein	56	3.419	3.425	-0.006	99	308553	150.0	146.2	
17 1,1-Dichloroethene	96	3.571	3.577	-0.006	98	87267	20.0	20.0	
18 Acetone	58	3.583	3.589	-0.006	100	269372	250.0	256.3	
19 112TCTFE	101	3.625	3.632	-0.007	93	109591	20.0	21.2	
20 Isopropyl alcohol	45	3.753	3.759	-0.006	96	145395	150.0	128.1	
21 Iodomethane	142	3.796	3.784	0.012	97	162861	20.0	20.5	
22 Carbon disulfide	76	3.893	3.905	-0.012	99	328343	20.0	20.7	
24 Methyl acetate	43	4.015	4.021	-0.006	98	138608	20.0	21.2	
25 3-Chloro-1-propene	41	4.051	4.057	-0.006	91	131922	20.0	19.3	
* 26 t-Butyl alcohol-d10 (IS)	65	4.240	4.234	0.006	98	330146	250.0	250.0	M
27 Methylene Chloride	84	4.234	4.246	-0.012	93	101620	20.0	19.6	
28 2-Methyl-2-propanol	59	4.368	4.380	-0.012	98	358977	200.0	202.8	
30 Acrylonitrile	53	4.556	4.562	-0.006	98	365181	100.0	104.3	
31 Methyl tert-butyl ether	73	4.654	4.654	0.000	95	307602	20.0	19.7	
32 trans-1,2-Dichloroethene	96	4.666	4.672	-0.006	98	87196	20.0	19.1	
33 Hexane	57	5.092	5.104	-0.012	93	138858	20.0	19.8	
35 1,1-Dichloroethane	63	5.323	5.323	0.000	96	155396	20.0	18.6	
36 Isopropyl ether	45	5.377	5.390	-0.013	93	299002	20.0	19.5	
37 2-Chloro-1,3-butadiene	53	5.432	5.438	-0.006	91	130795	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.919	5.925	-0.006	97	288244	20.0	19.8	
40 2-Butanone (MEK)	43	6.120	6.126	-0.006	100	1280780	250.0	259.4	
41 cis-1,2-Dichloroethene	96	6.150	6.156	-0.006	83	101945	20.0	20.3	
43 2,2-Dichloropropane	77	6.180	6.181	-0.001	77	140067	20.0	19.5	
44 Propionitrile	54	6.193	6.193	0.000	99	269950	150.0	157.2	
45 Methacrylonitrile	67	6.418	6.418	0.000	92	523175	150.0	154.8	
46 Chlorobromomethane	128	6.491	6.503	-0.012	94	52437	20.0	20.2	
47 Tetrahydrofuran	71	6.515	6.521	-0.006	93	143555	100.0	103.7	
48 Chloroform	83	6.637	6.643	-0.006	93	153658	20.0	19.1	
$ 49 Dibromofluoromethane (Surr)	113	6.856	6.862	-0.006	93	167074	50.0	50.1	
50 1,1,1-Trichloroethane	97	6.880	6.886	-0.006	99	140749	20.0	18.9	
51 Cyclohexane	56	6.996	7.002	-0.006	90	187673	20.0	19.3	
52 1,1-Dichloropropene	75	7.093	7.099	-0.006	97	126822	20.0	19.4	
53 Carbon tetrachloride	117	7.099	7.105	-0.006	98	115920	20.0	18.9	
54 Isobutyl alcohol	41	7.215	7.221	-0.006	95	285227	500.0	488.0	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.318	7.330	-0.012	75	42875	50.0	50.0	
56 Benzene	78	7.355	7.361	-0.006	97	385242	20.0	19.4	
58 1,2-Dichloroethane	62	7.428	7.428	0.000	97	127439	20.0	19.4	
59 Tert-amyl methyl ether	73	7.543	7.549	-0.006	98	285152	20.0	19.9	
* 61 Fluorobenzene (IS)	96	7.756	7.762	-0.006	98	694595	50.0	50.0	
62 n-Heptane	43	7.780	7.781	-0.001	93	160087	20.0	19.9	
63 n-Butanol	56	8.103	8.115	-0.012	89	488929	1000.0	963.5	
64 Trichloroethene	95	8.249	8.249	0.000	98	93804	20.0	19.0	
65 Methylcyclohexane	83	8.565	8.571	-0.006	96	193241	20.0	19.7	
66 1,2-Dichloropropane	63	8.577	8.578	-0.001	73	103654	20.0	19.5	
67 2-ethoxy-2-methyl butane	87	8.583	8.584	-0.001	90	133468	20.0	20.2	
68 Methyl methacrylate	69	8.650	8.651	-0.001	90	97843	20.0	20.6	
69 1,4-Dioxane	88	8.663	8.669	-0.006	65	80644	500.0	476.2	
70 Dibromomethane	93	8.693	8.693	0.000	97	66298	20.0	19.5	
72 Dichlorobromomethane	83	8.924	8.924	0.000	99	116071	20.0	19.1	
73 2-Nitropropane	41	9.174	9.168	0.006	98	37006	20.0	17.1	
74 2-Chloroethyl vinyl ether	63	9.277	9.277	0.000	91	68643	20.0	19.2	
75 cis-1,3-Dichloropropene	75	9.466	9.472	-0.006	97	145945	20.0	18.6	
76 4-Methyl-2-pentanone (MIBK)	43	9.624	9.624	0.000	97	2520319	250.0	264.8	
$ 77 Toluene-d8 (Surr)	98	9.776	9.782	-0.006	93	698968	50.0	50.5	
78 Toluene	92	9.855	9.855	0.000	98	237003	20.0	19.5	
81 trans-1,3-Dichloropropene	75	10.104	10.105	0.000	92	136834	20.0	19.7	
82 Ethyl methacrylate	69	10.165	10.165	0.000	90	152365	20.0	20.2	
83 1,1,2-Trichloroethane	97	10.311	10.311	0.000	90	92845	20.0	19.7	
84 Tetrachloroethene	166	10.409	10.409	0.000	95	95318	20.0	19.2	
85 1,3-Dichloropropane	76	10.469	10.476	-0.007	93	152957	20.0	19.5	
87 2-Hexanone	43	10.512	10.512	0.000	97	1799441	250.0	279.4	
89 Chlorodibromomethane	129	10.688	10.695	-0.007	90	97006	20.0	19.1	
90 Ethylene Dibromide	107	10.810	10.810	0.000	98	98689	20.0	19.7	
* 93 Chlorobenzene-d5 (IS)	117	11.236	11.236	0.000	86	519800	50.0	50.0	
92 1-Chlorohexane	91	11.242	11.242	0.000	96	122587	20.0	18.8	
94 Chlorobenzene	112	11.260	11.260	0.000	95	273567	20.0	19.3	
95 1,1,1,2-Tetrachloroethane	131	11.345	11.346	-0.001	96	100092	20.0	19.3	
96 Ethylbenzene	91	11.345	11.346	-0.001	98	468687	20.0	19.5	
97 m-Xylene & p-Xylene	106	11.461	11.461	0.000	99	368834	40.0	39.4	
98 o-Xylene	106	11.790	11.790	0.000	96	191654	20.0	19.6	
99 Styrene	104	11.808	11.808	0.000	95	293810	20.0	20.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 Bromoform	173	11.966	11.966	0.000	96	74036	20.0	19.2	
101 Isopropylbenzene	105	12.088	12.088	0.000	96	513700	20.0	20.1	
103 Cyclohexanone	55	12.167	12.161	0.006	92	265771	500.0	385.4	
$ 104 4-Bromofluorobenzene (Surr)	95	12.240	12.240	0.000	89	262105	50.0	50.3	
105 1,1,2,2-Tetrachloroethane	83	12.325	12.325	0.000	93	189301	20.0	19.3	
106 trans-1,4-Dichloro-2-butene	53	12.349	12.355	-0.006	89	267793	100.0	101.8	
107 Bromobenzene	156	12.355	12.355	0.000	77	120315	20.0	20.0	
108 1,2,3-Trichloropropane	110	12.374	12.374	0.000	83	54169	20.0	19.3	
109 N-Propylbenzene	91	12.422	12.422	0.000	99	600040	20.0	19.5	
110 2-Chlorotoluene	126	12.495	12.495	0.000	97	127126	20.0	19.7	
111 1,3,5-Trimethylbenzene	105	12.556	12.556	0.000	94	443188	20.0	19.3	
112 4-Chlorotoluene	126	12.593	12.593	0.000	97	122208	20.0	19.5	
114 tert-Butylbenzene	134	12.799	12.800	-0.001	93	84849	20.0	19.4	
116 1,2,4-Trimethylbenzene	105	12.842	12.842	0.000	97	461624	20.0	19.7	
117 sec-Butylbenzene	105	12.964	12.964	0.000	94	592111	20.0	19.9	
118 1,3-Dichlorobenzene	146	13.067	13.067	0.000	97	236011	20.0	19.2	
119 4-Isopropyltoluene	119	13.067	13.067	0.000	97	508010	20.0	19.8	
* 120 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	311956	50.0	50.0	
121 1,4-Dichlorobenzene	146	13.140	13.140	0.000	94	250440	20.0	19.2	
122 1,2,3-Trimethylbenzene	105	13.146	13.146	0.000	98	493257	20.0	19.6	
123 Benzyl chloride	91	13.213	13.207	0.006	98	314528	20.0	19.0	
124 1,3-Diethylbenzene	119	13.268	13.268	0.000	95	307427	20.0	19.7	
125 p-Diethylbenzene	119	13.341	13.341	0.000	96	325387	20.0	19.8	
126 n-Butylbenzene	92	13.359	13.365	-0.006	97	258591	20.0	19.4	
127 1,2-Dichlorobenzene	146	13.396	13.396	0.000	98	257301	20.0	19.5	
128 o-diethylbenzene	119	13.414	13.414	0.000	95	263552	20.0	18.8	
130 1,2-Dibromo-3-Chloropropane	75	13.937	13.937	0.000	86	53009	20.0	17.7	
131 1,3,5-Trichlorobenzene	180	14.071	14.071	0.000	97	208727	20.0	19.4	
132 1,2,4-Trichlorobenzene	180	14.497	14.491	0.006	94	205095	20.0	19.1	
133 Hexachlorobutadiene	225	14.576	14.576	0.000	98	73746	20.0	17.4	
134 Naphthalene	128	14.673	14.673	0.000	97	756647	20.0	19.5	
135 1,2,3-Trichlorobenzene	180	14.819	14.819	0.000	96	212044	20.0	18.7	
136 2-Methylnaphthalene	142	15.458	15.458	0.000	92	412166	20.0	18.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00058	Amount Added: 50.00	Units: uL	
MSV_LCS_CYC_00001	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00090	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00061	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00063	Amount Added: 50.00	Units: uL	
MSV_LCS_EE_00003	Amount Added: 50.00	Units: uL	
MSV_HP20_ISSS_00076	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 09-Jun-2022 16:02:11 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X20.D

Injection Date: 07-Jun-2022 18:12:30 Instrument ID: 9355 Operator ID: kas02648

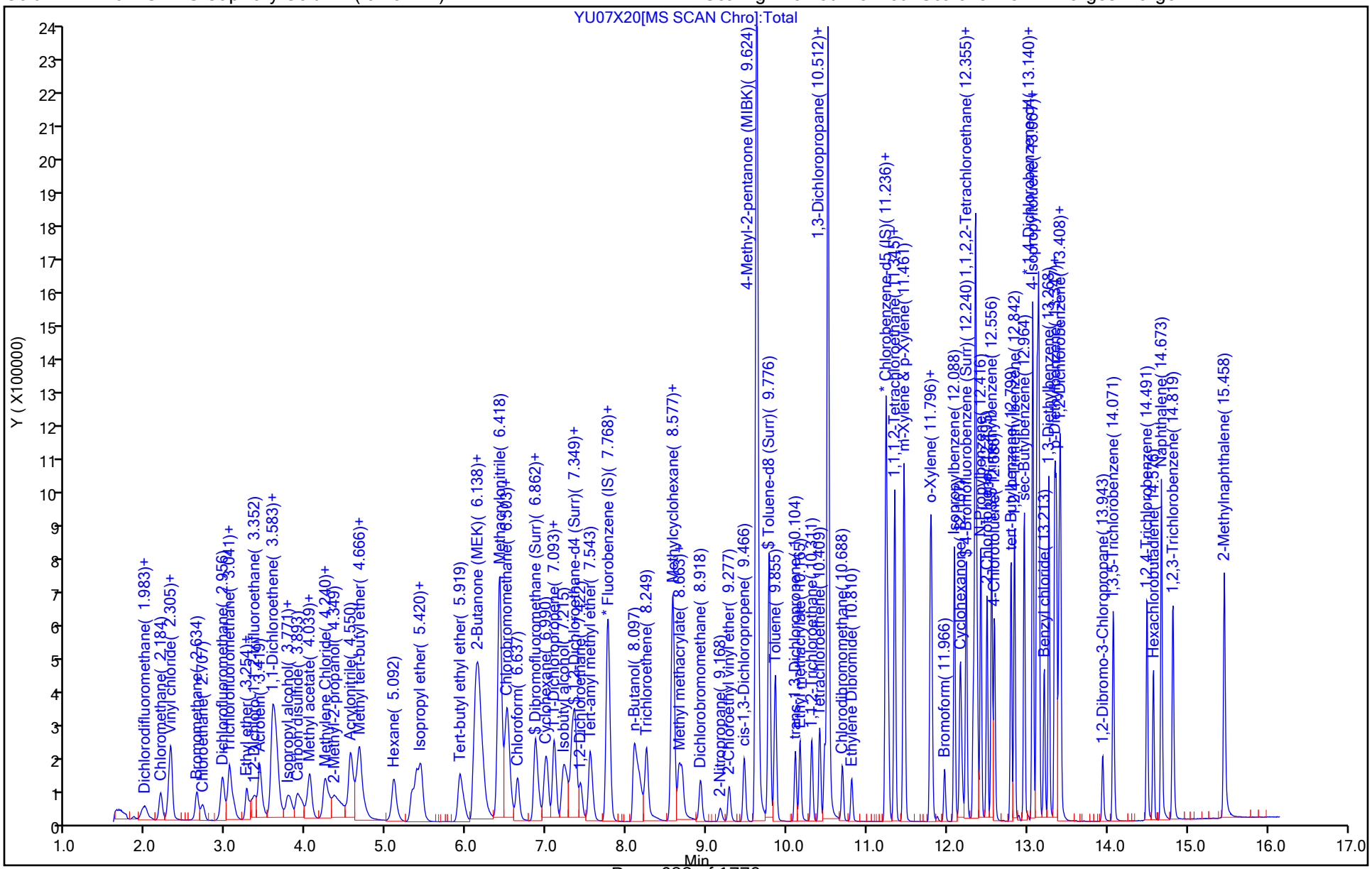
Lims ID: ICV Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 20

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

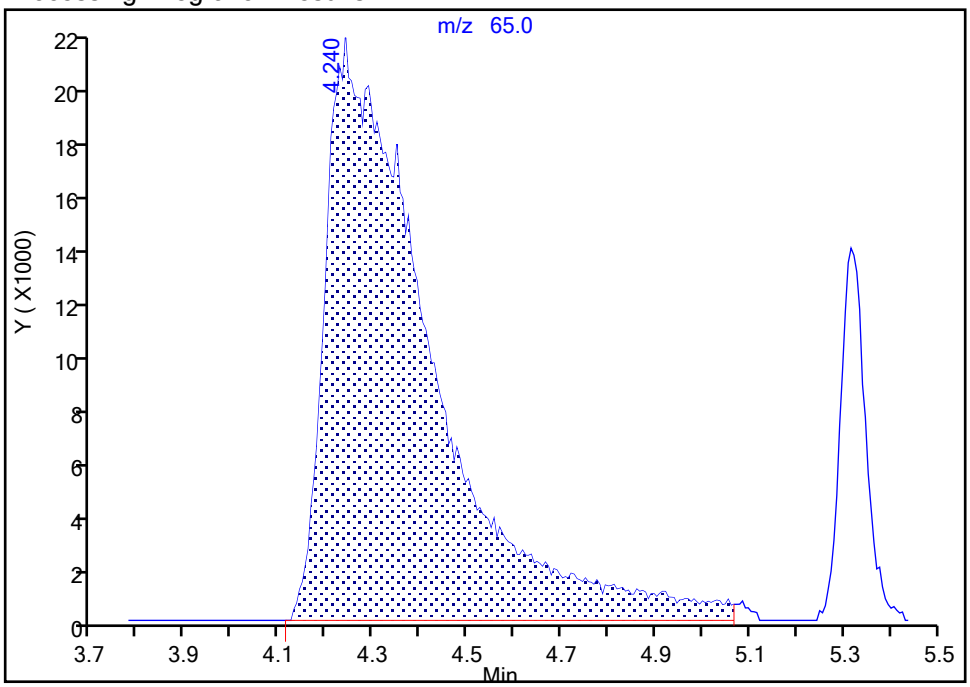
Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X20.D
Injection Date: 07-Jun-2022 18:12:30 Instrument ID: 9355
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

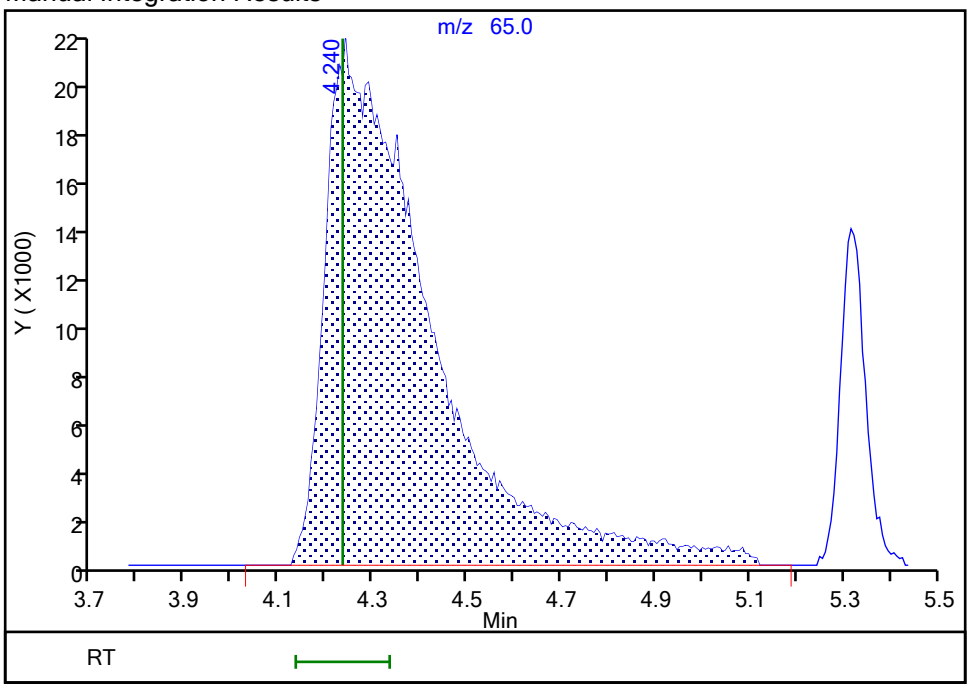
Processing Integration Results

RT: 4.24
Area: 328795
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.24
Area: 330146
Amount: 250.0000
Amount Units: ug/l



Reviewer: mellingerc, 08-Jun-2022 09:51:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-289040/3 Calibration Date: 08/24/2022 09:26

Instrument ID: 9355 Calib Start Date: 06/07/2022 15:15

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/07/2022 17:28

Lab File ID: YG24X02.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	0.5091	0.4416	0.1000	43.4	50.0	-13.3	20.0
Chloromethane	Ave	0.6484	0.4612	0.1000	35.6	50.0	-28.9*	20.0
Vinyl chloride	Ave	0.6369	0.4555	0.1000	35.8	50.0	-28.5*	20.0
1,3-Butadiene	Ave	0.5492	0.4969		45.2	50.0	-9.5	20.0
Bromomethane	Ave	0.4122	0.3155	0.1000	38.3	50.0	-23.5*	20.0
Chloroethane	Ave	0.3145	0.2524	0.1000	40.1	50.0	-19.7	20.0
Dichlorofluoromethane	Ave	0.8008	0.6241		39.0	50.0	-22.1*	20.0
n-Pentane	Ave	0.6275	0.4017		32.0	50.0	-36.0*	20.0
Trichlorofluoromethane	Ave	0.6470	0.5784	0.1000	44.7	50.0	-10.6	20.0
Ethyl ether	Ave	0.2953	0.2123		35.9	50.0	-28.1*	20.0
Freon 123a	Ave	0.4442	0.4005		45.1	50.0	-9.8	20.0
Acrolein	Ave	1.599	1.514		474	500	-5.3	20.0
1,1-Dichloroethene	Ave	0.3144	0.2778	0.1000	44.2	50.0	-11.6	20.0
Acetone	Ave	0.7958	0.8519	0.1000	107	100	7.0	20.0
Freon 113	Ave	0.3721	0.2993	0.1000	40.2	50.0	-19.6	20.0
2-Propanol	Ave	0.8597	0.6864		200	250	-20.2*	20.0
Methyl iodide	Ave	0.5718	0.5031		44.0	50.0	-12.0	20.0
Carbon disulfide	Ave	1.139	0.9405	0.1000	41.3	50.0	-17.4	20.0
Methyl acetate	Ave	0.4713	0.4177	0.1000	44.3	50.0	-11.4	20.0
Allyl chloride	Ave	0.4913	0.4362		44.4	50.0	-11.2	20.0
Methylene Chloride	Ave	0.3729	0.3411	0.1000	45.7	50.0	-8.5	20.0
t-Butyl alcohol	Ave	1.340	1.203		225	250	-10.2	20.0
Acrylonitrile	Ave	0.2520	0.2404		119	125	-4.6	20.0
Methyl tertiary butyl ether	Ave	1.123	1.013	0.1000	45.1	50.0	-9.7	20.0
trans-1,2-Dichloroethene	Ave	0.3287	0.3066	0.1000	46.6	50.0	-6.7	20.0
n-Hexane	Ave	0.5058	0.4102		40.5	50.0	-18.9	20.0
1,1-Dichloroethane	Ave	0.6020	0.5455	0.2000	45.3	50.0	-9.4	20.0
di-Isopropyl ether	Ave	1.103	0.9524		43.2	50.0	-13.6	20.0
2-Chloro-1,3-butadiene	Ave	0.4655	0.4350		46.7	50.0	-6.6	20.0
Ethyl t-butyl ether	Ave	1.047	0.9225		44.1	50.0	-11.9	20.0
2-Butanone	Ave	0.3554	0.3205	0.1000	90.2	100	-9.8	20.0
cis-1,2-Dichloroethene	Ave	0.3616	0.3412	0.1000	47.2	50.0	-5.6	20.0
Propionitrile	Ave	1.300	1.291		248	250	-0.7	20.0
2,2-Dichloropropane	Ave	0.5165	0.5067		49.1	50.0	-1.9	20.0
Methacrylonitrile	Ave	0.2434	0.2318		119	125	-4.7	20.0
Bromochloromethane	Ave	0.1873	0.1835		49.0	50.0	-2.0	20.0
Tetrahydrofuran	Ave	1.048	1.077		257	250	2.8	20.0
Chloroform	Ave	0.5801	0.5628	0.2000	48.5	50.0	-3.0	20.0
1,1,1-Trichloroethane	Ave	0.5348	0.5362	0.1000	50.1	50.0	0.3	20.0
Cyclohexane	Ave	0.7007	0.5570	0.1000	39.7	50.0	-20.5*	20.0
1,1-Dichloropropene	Ave	0.4703	0.4282		45.5	50.0	-9.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-289040/3 Calibration Date: 08/24/2022 09:26

Instrument ID: 9355 Calib Start Date: 06/07/2022 15:15

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/07/2022 17:28

Lab File ID: YG24X02.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
Carbon tetrachloride	Ave	0.4419	0.4762	0.1000	53.9	50.0	7.8	20.0
Isobutyl alcohol	Ave	0.4426	0.4048		572	625	-8.5	20.0
Benzene	Ave	1.427	1.289	0.5000	45.2	50.0	-9.7	20.0
1,2-Dichloroethane	Ave	0.4728	0.4675	0.1000	49.4	50.0	-1.1	20.0
t-Amyl methyl ether	Ave	1.033	0.9572		46.3	50.0	-7.3	20.0
n-Heptane	Ave	0.5784	0.4899		42.4	50.0	-15.3	20.0
n-Butanol	Ave	0.3842	0.3286		534	625	-14.5	20.0
Trichloroethene	Ave	0.3557	0.3261	0.2000	45.8	50.0	-8.3	20.0
Methylcyclohexane	Ave	0.7075	0.6224	0.1000	44.0	50.0	-12.0	20.0
1,2-Dichloropropane	Ave	0.3835	0.3399	0.1000	44.3	50.0	-11.4	20.0
t-Amyl ethyl ether	Ave	0.4758	0.4625		48.6	50.0	-2.8	20.0
Methyl methacrylate	Ave	0.3416	0.3355		49.1	50.0	-1.8	20.0
1,4-Dioxane	Ave	0.1282	0.1149	0.0050	560	625	-10.4	20.0
Dibromomethane	Ave	0.2443	0.2358		48.3	50.0	-3.5	20.0
Bromodichloromethane	Ave	0.4367	0.4227	0.2000	48.4	50.0	-3.2	20.0
2-Nitropropane	Ave	1.639	1.903		290	250	16.1	20.0
2-Chloroethyl vinyl ether	Ave	0.2572	0.2358		45.8	50.0	-8.3	20.0
cis-1,3-Dichloropropene	Ave	0.5640	0.5135	0.2000	45.5	50.0	-8.9	20.0
4-Methyl-2-pentanone	Ave	0.6851	0.6446	0.1000	94.1	100	-5.9	20.0
Toluene	Ave	1.171	1.037	0.4000	44.3	50.0	-11.4	20.0
trans-1,3-Dichloropropene	Ave	0.6691	0.6246	0.1000	46.7	50.0	-6.6	20.0
Ethyl methacrylate	Ave	0.7242	0.6589		45.5	50.0	-9.0	20.0
1,1,2-Trichloroethane	Ave	0.4523	0.4189	0.1000	46.3	50.0	-7.4	20.0
Tetrachloroethene	Ave	0.4773	0.4489	0.2000	47.0	50.0	-5.9	20.0
1,3-Dichloropropane	Ave	0.7529	0.6845		45.5	50.0	-9.1	20.0
2-Hexanone	Ave	0.6195	0.6127	0.1000	98.9	100	-1.1	20.0
Dibromochloromethane	Ave	0.4896	0.4804		49.1	50.0	-1.9	20.0
1,2-Dibromoethane	Ave	0.4823	0.4498	0.1000	46.6	50.0	-6.7	20.0
1-Chlorohexane	Ave	0.6273	0.5302		42.3	50.0	-15.5	20.0
Chlorobenzene	Ave	1.364	1.237	0.5000	45.4	50.0	-9.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4988	0.4752		47.6	50.0	-4.7	20.0
Ethylbenzene	Ave	2.307	2.103	0.1000	45.6	50.0	-8.8	20.0
m&p-Xylene	Ave	0.8997	0.8309	0.1000	92.4	100	-7.6	20.0
o-Xylene	Ave	0.9395	0.8479	0.3000	45.1	50.0	-9.7	20.0
Styrene	Ave	1.406	1.352	0.3000	48.1	50.0	-3.8	20.0
Bromoform	Ave	0.3703	0.3744	0.1000	50.5	50.0	1.1	20.0
Isopropylbenzene	Ave	2.460	2.248	0.1000	45.7	50.0	-8.6	20.0
Cyclohexanone	Ave	0.5222	0.3350		401	625	-35.8*	20.0
1,1,2,2-Tetrachloroethane	Ave	1.569	1.338	0.3000	42.6	50.0	-14.7	20.0
Bromobenzene	Ave	0.9636	0.8703		45.2	50.0	-9.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4216	0.2838		84.1	125	-32.7*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-289040/3 Calibration Date: 08/24/2022 09:26

Instrument ID: 9355 Calib Start Date: 06/07/2022 15:15

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/07/2022 17:28

Lab File ID: YG24X02.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
1,2,3-Trichloropropane	Ave	0.4502	0.4223		46.9	50.0	-6.2	20.0
N-Propylbenzene	Ave	4.939	4.424		44.8	50.0	-10.4	20.0
2-Chlorotoluene	Ave	1.036	0.8952		43.2	50.0	-13.6	20.0
1,3,5-Trimethylbenzene	Ave	3.679	3.326		45.2	50.0	-9.6	20.0
4-Chlorotoluene	Ave	1.006	0.8916		44.3	50.0	-11.4	20.0
tert-Butylbenzene	Ave	0.7014	0.6411		45.7	50.0	-8.6	20.0
1,2,4-Trimethylbenzene	Ave	3.758	3.414		45.4	50.0	-9.2	20.0
sec-Butylbenzene	Ave	4.771	4.208		44.1	50.0	-11.8	20.0
1,3-Dichlorobenzene	Ave	1.975	1.803	0.6000	45.6	50.0	-8.7	20.0
p-Isopropyltoluene	Ave	4.108	3.768		45.9	50.0	-8.3	20.0
1,4-Dichlorobenzene	Ave	2.085	1.849	0.5000	44.3	50.0	-11.3	20.0
1,2,3-Trimethylbenzene	Ave	4.026	3.610		44.8	50.0	-10.3	20.0
Benzyl chloride	Ave	2.647	2.665		50.3	50.0	0.7	20.0
1,3-Diethylbenzene	Ave	2.496	2.283		45.7	50.0	-8.5	20.0
1,4-Diethylbenzene	Ave	2.632	2.382		45.2	50.0	-9.5	20.0
n-Butylbenzene	Ave	2.139	1.935		45.2	50.0	-9.5	20.0
1,2-Dichlorobenzene	Ave	2.120	1.877	0.4000	44.3	50.0	-11.4	20.0
1,2-Diethylbenzene	Ave	2.252	1.937		43.0	50.0	-14.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.4803	0.4153	0.0500	43.2	50.0	-13.5	20.0
1,3,5-Trichlorobenzene	Ave	1.728	1.466		42.4	50.0	-15.1	20.0
1,2,4-Trichlorobenzene	Ave	1.719	1.394	0.2000	40.5	50.0	-18.9	20.0
Hexachlorobutadiene	Ave	0.6791	0.5749		42.3	50.0	-15.3	20.0
Naphthalene	Ave	6.213	5.116		41.2	50.0	-17.7	20.0
1,2,3-Trichlorobenzene	Ave	1.816	1.391		38.3	50.0	-23.4*	20.0
2-Methylnaphthalene	Ave	3.588	2.376		33.1	50.0	-33.8*	20.0
Dibromofluoromethane (Surr)	Ave	0.2400	0.2594		54.0	50.0	8.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0617	0.0642		52.0	50.0	4.0	20.0
Toluene-d8 (Surr)	Ave	1.331	1.323		49.7	50.0	-0.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5009	0.5081		50.7	50.0	1.4	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Aug-2022 09:26:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-003
Misc. Info.: CCVIS
Operator ID: CLM27445 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:36:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:36:25

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	3 Dichlorodifluoromethane	85	1.989	1.989	0.000	99	343590	50.0	43.4	
	4 Chloromethane	50	2.196	2.196	0.000	99	358829	50.0	35.6	
	5 Vinyl chloride	62	2.299	2.299	0.000	98	354361	50.0	35.8	
	6 Butadiene	39	2.318	2.318	0.000	92	386623	50.0	45.2	
	8 Bromomethane	94	2.640	2.640	0.000	92	245485	50.0	38.3	
	9 Chloroethane	64	2.725	2.725	0.000	100	196380	50.0	40.1	
	10 Dichlorofluoromethane	67	2.962	2.962	0.000	97	485536	50.0	39.0	
	11 Trichlorofluoromethane	101	3.048	3.048	0.000	69	450026	50.0	44.7	
	12 Pentane	43	3.048	3.048	0.000	97	312556	50.0	32.0	
	14 Ethyl ether	59	3.254	3.254	0.000	93	165181	50.0	35.9	
	15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.352	3.352	0.000	92	311602	50.0	45.1	
	16 Acrolein	56	3.419	3.419	0.000	99	1026660	500.0	473.5	
	17 1,1-Dichloroethene	96	3.577	3.577	0.000	98	216117	50.0	44.2	
	18 Acetone	58	3.577	3.577	0.000	87	115538	100.0	107.0	
	19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.638	3.638	0.000	93	232856	50.0	40.2	
	20 Isopropyl alcohol	45	3.741	3.741	0.000	98	232738	250.0	199.6	
	21 Iodomethane	142	3.790	3.790	0.000	99	391389	50.0	44.0	
	22 Carbon disulfide	76	3.899	3.899	0.000	99	731753	50.0	41.3	
	24 Methyl acetate	43	4.015	4.015	0.000	98	324997	50.0	44.3	
	25 3-Chloro-1-propene	41	4.051	4.051	0.000	90	339365	50.0	44.4	
*	26 t-Butyl alcohol-d10 (IS)	65	4.222	4.222	0.000	96	339072	250.0	250.0	M
	27 Methylene Chloride	84	4.240	4.240	0.000	92	265351	50.0	45.7	
	28 2-Methyl-2-propanol	59	4.349	4.349	0.000	99	408047	250.0	224.5	
	29 Acrylonitrile	53	4.550	4.550	0.000	100	467551	125.0	119.3	
	31 Methyl tert-butyl ether	73	4.654	4.654	0.000	95	788515	50.0	45.1	
	32 trans-1,2-Dichloroethene	96	4.672	4.672	0.000	98	238569	50.0	46.6	
	33 Hexane	57	5.092	5.092	0.000	94	319104	50.0	40.5	
	35 1,1-Dichloroethane	63	5.317	5.317	0.000	96	424380	50.0	45.3	
	36 Isopropyl ether	45	5.378	5.378	0.000	95	741001	50.0	43.2	
	38 2-Chloro-1,3-butadiene	53	5.432	5.432	0.000	91	338429	50.0	46.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.919	5.919	0.000	97	717708	50.0	44.1	
40 2-Butanone (MEK)	43	6.114	6.114	0.000	100	498656	100.0	90.2	
42 cis-1,2-Dichloroethene	96	6.150	6.150	0.000	82	265479	50.0	47.2	
43 Propionitrile	54	6.174	6.174	0.000	96	437599	250.0	248.2	
44 2,2-Dichloropropane	77	6.181	6.181	0.000	87	394245	50.0	49.1	
47 Methacrylonitrile	67	6.406	6.406	0.000	91	450923	125.0	119.1	
48 Chlorobromomethane	128	6.485	6.485	0.000	95	142787	50.0	49.0	
49 Tetrahydrofuran	71	6.509	6.509	0.000	91	365273	250.0	257.0	
50 Chloroform	83	6.637	6.637	0.000	93	437894	50.0	48.5	
$ 51 Dibromofluoromethane (Surr)	113	6.856	6.856	0.000	93	201807	50.0	54.0	
52 1,1,1-Trichloroethane	97	6.880	6.880	0.000	98	417187	50.0	50.1	
53 Cyclohexane	56	7.002	7.002	0.000	91	433376	50.0	39.7	
54 1,1-Dichloropropene	75	7.087	7.087	0.000	98	333129	50.0	45.5	
55 Carbon tetrachloride	117	7.099	7.099	0.000	97	370478	50.0	53.9	
56 Isobutyl alcohol	41	7.209	7.209	0.000	94	343129	625.0	571.6	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.312	7.312	0.000	97	49911	50.0	52.0	
58 Benzene	78	7.349	7.349	0.000	96	1002611	50.0	45.2	
60 1,2-Dichloroethane	62	7.422	7.422	0.000	98	363719	50.0	49.4	
61 Tert-amyl methyl ether	73	7.543	7.543	0.000	97	744704	50.0	46.3	
* 62 Fluorobenzene (IS)	96	7.756	7.756	0.000	99	778013	50.0	50.0	
63 n-Heptane	43	7.774	7.774	0.000	92	381133	50.0	42.4	
65 n-Butanol	56	8.097	8.097	0.000	90	278525	625.0	534.4	
66 Trichloroethene	95	8.243	8.243	0.000	98	253710	50.0	45.8	
67 Methylcyclohexane	83	8.565	8.565	0.000	93	484241	50.0	44.0	
68 1,2-Dichloropropane	63	8.571	8.571	0.000	72	264468	50.0	44.3	
69 2-ethoxy-2-methyl butane	87	8.578	8.578	0.000	95	359813	50.0	48.6	
70 Methyl methacrylate	69	8.651	8.651	0.000	89	260999	50.0	49.1	
71 1,4-Dioxane	88	8.657	8.657	0.000	58	97424	625.0	560.1	
72 Dibromomethane	93	8.687	8.687	0.000	96	183484	50.0	48.3	
74 Dichlorobromomethane	83	8.918	8.918	0.000	99	328904	50.0	48.4	
75 2-Nitropropane	41	9.162	9.162	0.000	99	645238	250.0	290.3	
76 2-Chloroethyl vinyl ether	63	9.277	9.277	0.000	92	183427	50.0	45.8	
77 cis-1,3-Dichloropropene	75	9.460	9.460	0.000	96	399538	50.0	45.5	
78 4-Methyl-2-pentanone (MIBK)	43	9.618	9.618	0.000	97	1002959	100.0	94.1	
$ 79 Toluene-d8 (Surr)	98	9.776	9.776	0.000	93	787948	50.0	49.7	
80 Toluene	92	9.849	9.849	0.000	98	617266	50.0	44.3	
102 trans-1,3-Dichloropropene	75	10.098	10.098	0.000	92	371934	50.0	46.7	
103 Ethyl methacrylate	69	10.159	10.159	0.000	89	392368	50.0	45.5	
104 1,1,2-Trichloroethane	97	10.305	10.305	0.000	91	249424	50.0	46.3	
105 Tetrachloroethene	166	10.409	10.409	0.000	96	267282	50.0	47.0	
106 1,3-Dichloropropane	76	10.470	10.470	0.000	91	407619	50.0	45.5	
108 2-Hexanone	43	10.512	10.512	0.000	96	729690	100.0	98.9	
110 Chlorodibromomethane	129	10.689	10.689	0.000	90	286062	50.0	49.1	
111 Ethylene Dibromide	107	10.804	10.804	0.000	99	267811	50.0	46.6	
* 112 Chlorobenzene-d5 (IS)	117	11.230	11.230	0.000	86	595465	50.0	50.0	
113 1-Chlorohexane	91	11.236	11.236	0.000	98	315724	50.0	42.3	
115 Chlorobenzene	112	11.260	11.260	0.000	95	736874	50.0	45.4	
116 1,1,1,2-Tetrachloroethane	131	11.339	11.339	0.000	96	282958	50.0	47.6	
117 Ethylbenzene	91	11.346	11.346	0.000	98	1251991	50.0	45.6	
118 m-Xylene & p-Xylene	106	11.461	11.461	0.000	100	989557	100.0	92.4	
119 o-Xylene	106	11.790	11.790	0.000	96	504923	50.0	45.1	
120 Styrene	104	11.802	11.802	0.000	94	804884	50.0	48.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Bromoform	173	11.966	11.966	0.000	96	222931	50.0	50.5	
122 Isopropylbenzene	105	12.088	12.088	0.000	96	1338382	50.0	45.7	
124 Cyclohexanone	55	12.161	12.161	0.000	92	284029	625.0	401.1	
$ 125 4-Bromofluorobenzene (Surr)	95	12.234	12.234	0.000	88	302562	50.0	50.7	
126 1,1,2,2-Tetrachloroethane	83	12.325	12.325	0.000	94	489077	50.0	42.6	
127 trans-1,4-Dichloro-2-butene	53	12.349	12.349	0.000	69	259253	125.0	84.1	
128 Bromobenzene	156	12.349	12.349	0.000	95	318072	50.0	45.2	
129 1,2,3-Trichloropropane	110	12.374	12.374	0.000	84	154315	50.0	46.9	
130 N-Propylbenzene	91	12.416	12.416	0.000	99	1616926	50.0	44.8	
131 2-Chlorotoluene	126	12.495	12.495	0.000	97	327148	50.0	43.2	
132 1,3,5-Trimethylbenzene	105	12.550	12.550	0.000	94	1215638	50.0	45.2	
133 4-Chlorotoluene	126	12.587	12.587	0.000	98	325858	50.0	44.3	
135 tert-Butylbenzene	134	12.793	12.793	0.000	93	234288	50.0	45.7	
137 1,2,4-Trimethylbenzene	105	12.836	12.836	0.000	98	1247495	50.0	45.4	
138 sec-Butylbenzene	105	12.958	12.958	0.000	94	1537916	50.0	44.1	
139 1,3-Dichlorobenzene	146	13.061	13.061	0.000	97	658966	50.0	45.6	
140 4-Isopropyltoluene	119	13.067	13.067	0.000	97	1377138	50.0	45.9	
* 141 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	94	365458	50.0	50.0	
142 1,4-Dichlorobenzene	146	13.134	13.134	0.000	95	675724	50.0	44.3	
143 1,2,3-Trimethylbenzene	105	13.140	13.140	0.000	98	1319279	50.0	44.8	
144 Benzyl chloride	91	13.207	13.207	0.000	99	973821	50.0	50.3	
145 1,3-Diethylbenzene	119	13.268	13.268	0.000	95	834343	50.0	45.7	
146 p-Diethylbenzene	119	13.341	13.341	0.000	93	870612	50.0	45.2	
147 n-Butylbenzene	92	13.359	13.359	0.000	97	707338	50.0	45.2	
148 1,2-Dichlorobenzene	146	13.396	13.396	0.000	98	686100	50.0	44.3	
149 o-diethylbenzene	119	13.414	13.414	0.000	95	707825	50.0	43.0	
151 1,2-Dibromo-3-Chloropropane	75	13.937	13.937	0.000	85	151760	50.0	43.2	
152 1,3,5-Trichlorobenzene	180	14.071	14.071	0.000	97	535741	50.0	42.4	
153 1,2,4-Trichlorobenzene	180	14.491	14.491	0.000	94	509401	50.0	40.5	
154 Hexachlorobutadiene	225	14.570	14.570	0.000	98	210116	50.0	42.3	
155 Naphthalene	128	14.673	14.673	0.000	97	1869598	50.0	41.2	
156 1,2,3-Trichlorobenzene	180	14.813	14.813	0.000	96	508379	50.0	38.3	
157 2-Methylnaphthalene	142	15.452	15.452	0.000	92	868318	50.0	33.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_2CEVE_00080	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#1_00084	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00085	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00004	Amount Added:	10.00	Units: uL	
MSV_CCV_EE_00003	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00258	Amount Added:	2.50	Units: uL	
MSV_HP20_ISSS_00083	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2022 10:36:27 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X02.D

Injection Date: 24-Aug-2022 09:26:30 Instrument ID: 9355 Operator ID: CLM27445

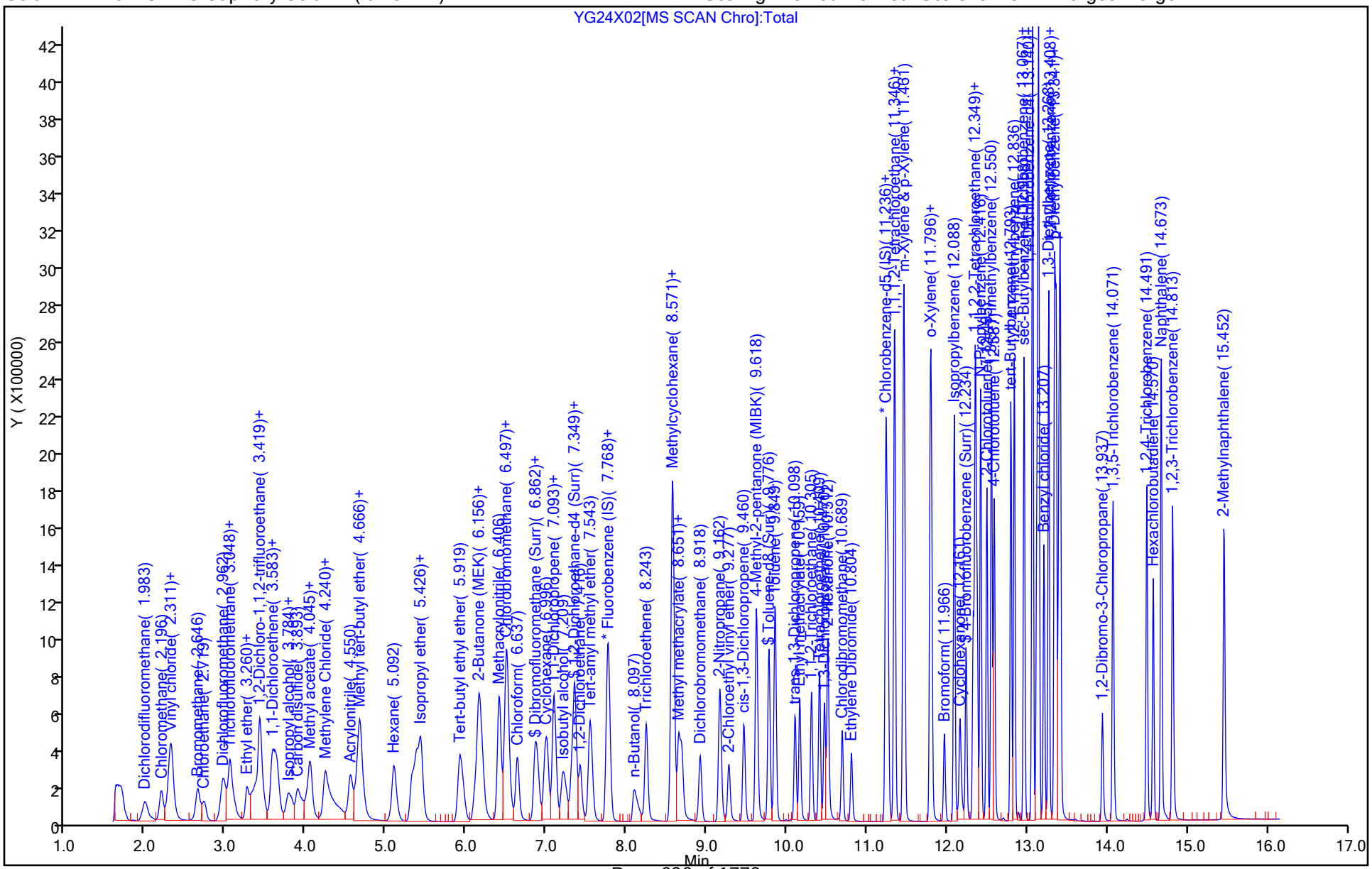
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

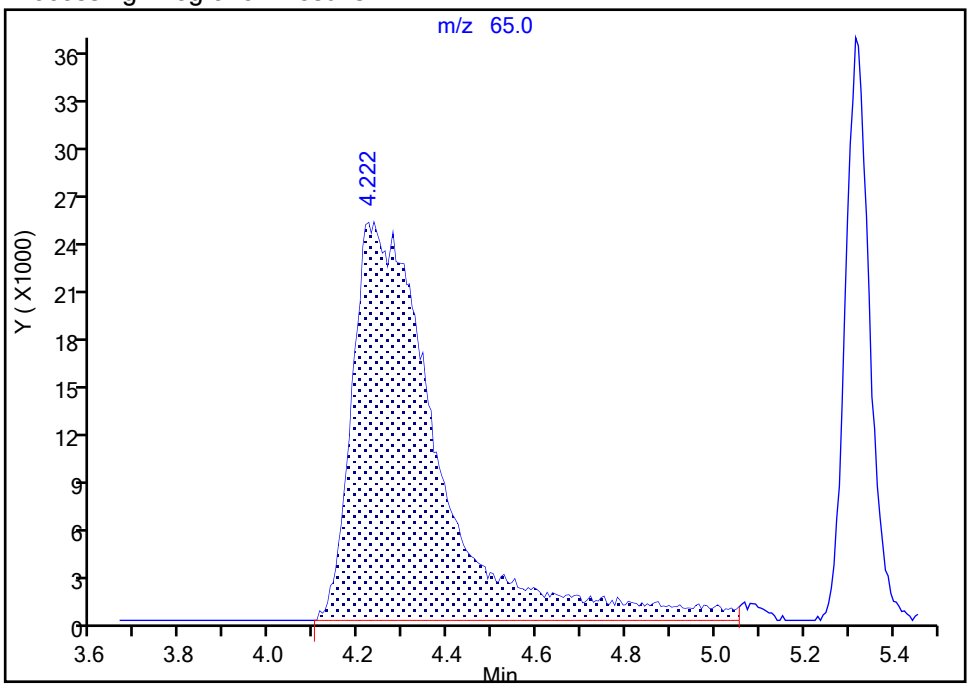
Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X02.D
Injection Date: 24-Aug-2022 09:26:30 Instrument ID: 9355
Lims ID: CCVIS
Client ID:
Operator ID: CLM27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

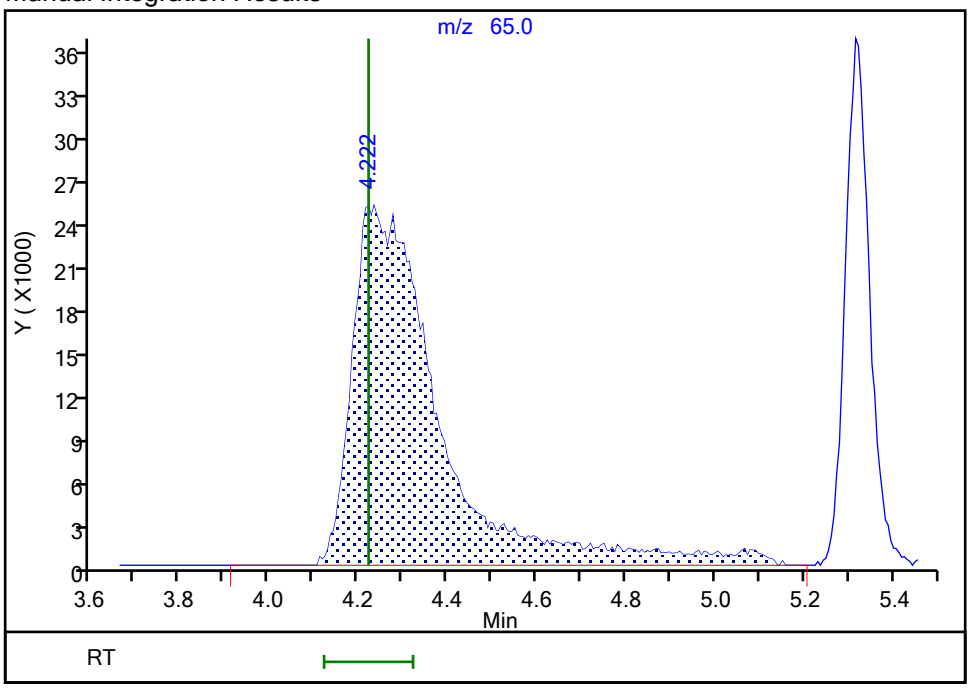
Processing Integration Results

RT: 4.22
Area: 335288
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.22
Area: 339072
Amount: 250.0000
Amount Units: ug/l



Reviewer: TQ4J, 24-Aug-2022 09:56:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 07-Jun-2022 14:38:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0058956-001
Misc. Info.: BFB
Operator ID: kas02648 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 08-Jun-2022 10:03:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1676

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 29 BFB	95	4.641	4.641	0.000	0	105935	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

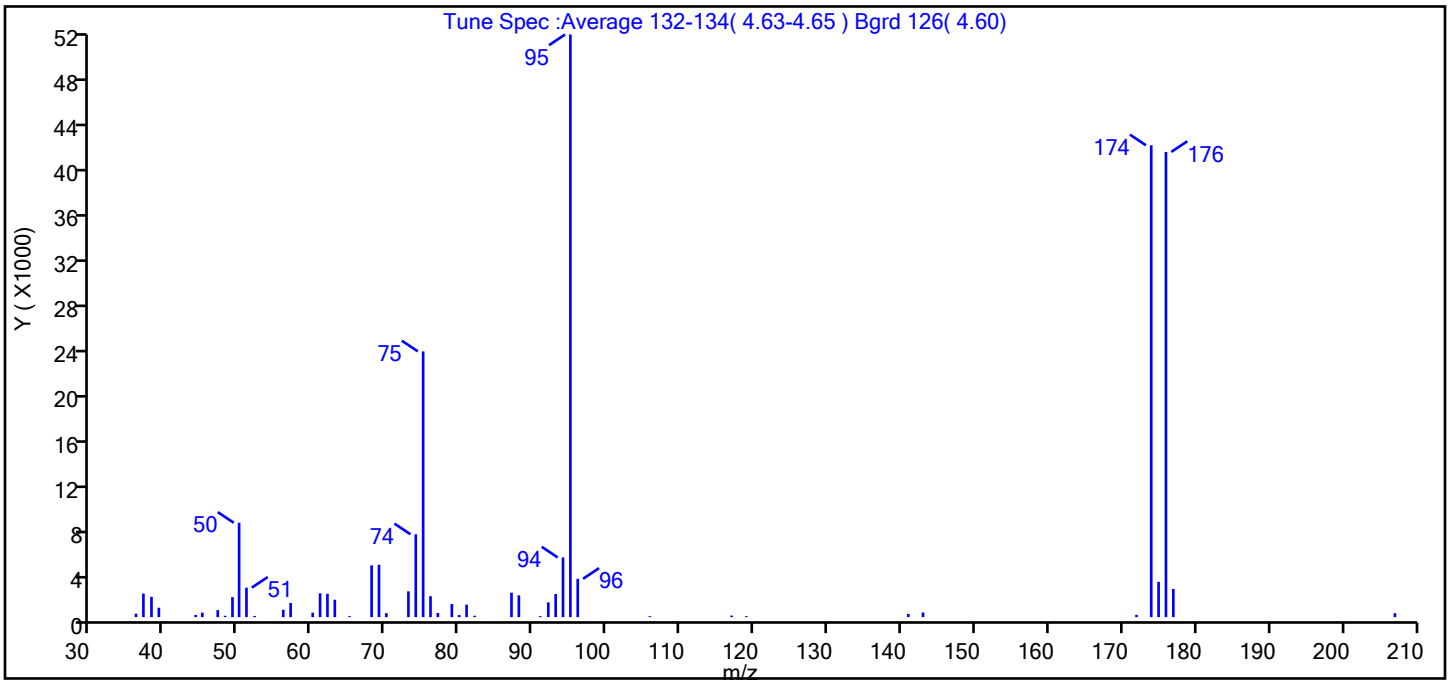
MSV_V_BFB_00007 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07T01.D
Injection Date: 07-Jun-2022 14:38:30 Instrument ID: 9355
Lims ID: bfb
Client ID:
Operator ID: kas02648 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 29 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.2
75	30 to 60% of m/z 95	45.6
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	81.0
175	5 to 9% of m/z 174	6.1 (7.5)
176	Greater than 95% but less than 101% of m/z 174	79.8 (98.6)
177	5 to 9% of m/z 176	4.8 (6.0)

Data File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07T01.D\MSVoa_9355.rslt\spectra.d
Injection Date: 07-Jun-2022 14:38:30
Spectrum: Tune Spec :Average 132-134(4.63-4.65) Bgrd 126(4.60)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 50

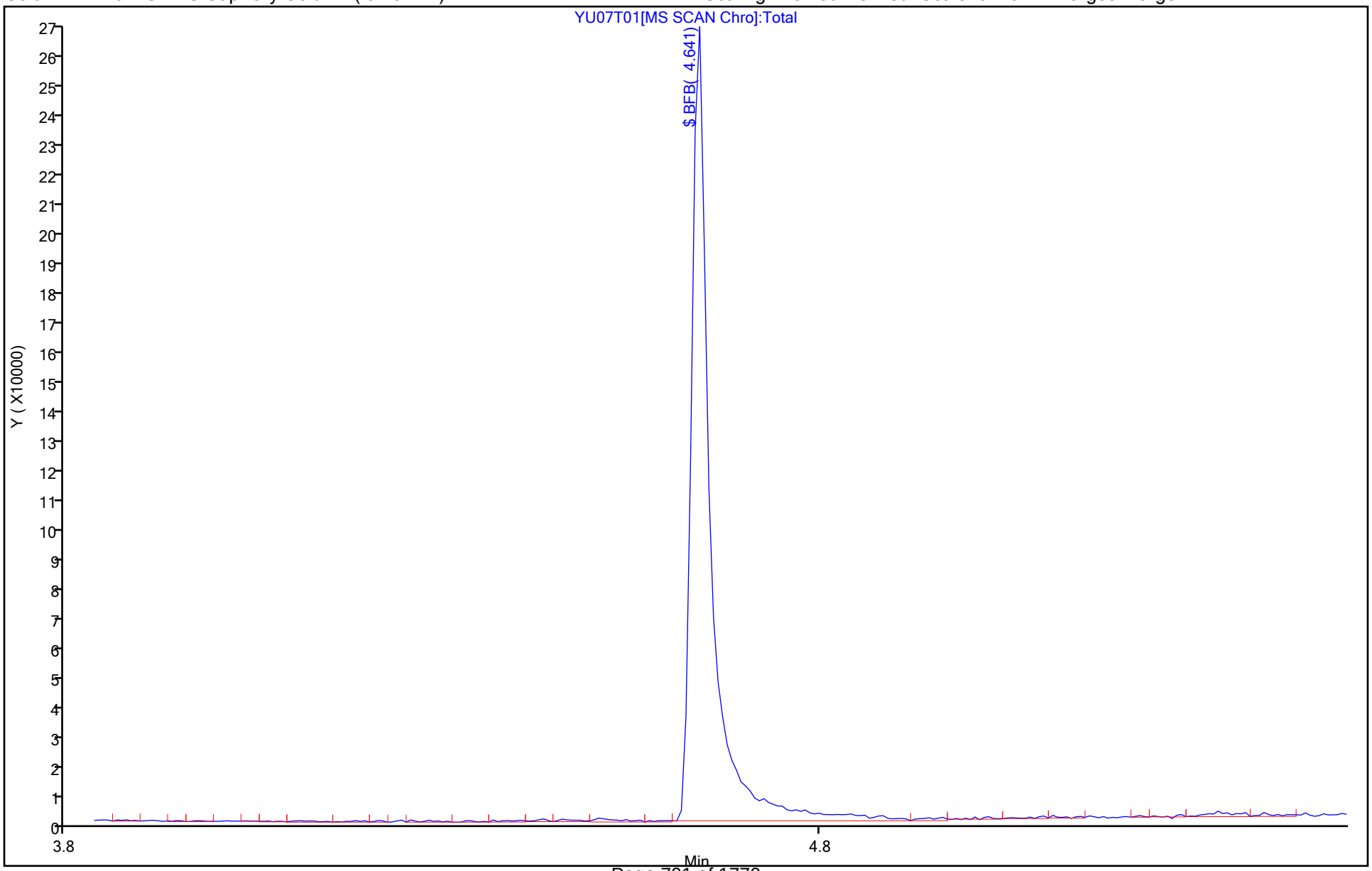
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	304	57.00	1245	77.00	360	106.00	84
37.00	2067	60.00	389	79.00	1149	117.00	138
38.00	1776	61.00	2083	80.00	185	119.00	84
39.00	824	62.00	2046	81.00	1097	141.00	287
44.00	190	63.00	1526	82.00	122	143.00	408
45.00	396	65.00	87	87.00	2144	172.00	196
47.00	615	68.00	4539	88.00	1911	174.00	41336
48.00	118	69.00	4591	91.00	88	175.00	3093
49.00	1755	70.00	348	92.00	1295	176.00	40752
50.00	8266	73.00	2260	93.00	2023	177.00	2463
51.00	2584	74.00	7258	94.00	5230	207.00	343
52.00	106	75.00	23280	95.00	51040		
56.00	649	76.00	1838	96.00	3360		

Report Date: 08-Jun-2022 10:03:25 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07T01.D				
Injection Date:	07-Jun-2022 14:38:30	Instrument ID:	9355	Operator ID:	kas02648
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24T01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	24-Aug-2022 08:33:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0064841-001				
Misc. Info.:	BFB				
Operator ID:	CLM27445	Instrument ID:	9355		
Method:	\\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-Aug-2022 10:00:01	Calib Date:	07-Jun-2022 17:28:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1650				
First Level Reviewer: TQ4J		Date:	24-Aug-2022 08:48:44		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 30 BFB	95	4.659	4.659	0.000	0	77541	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

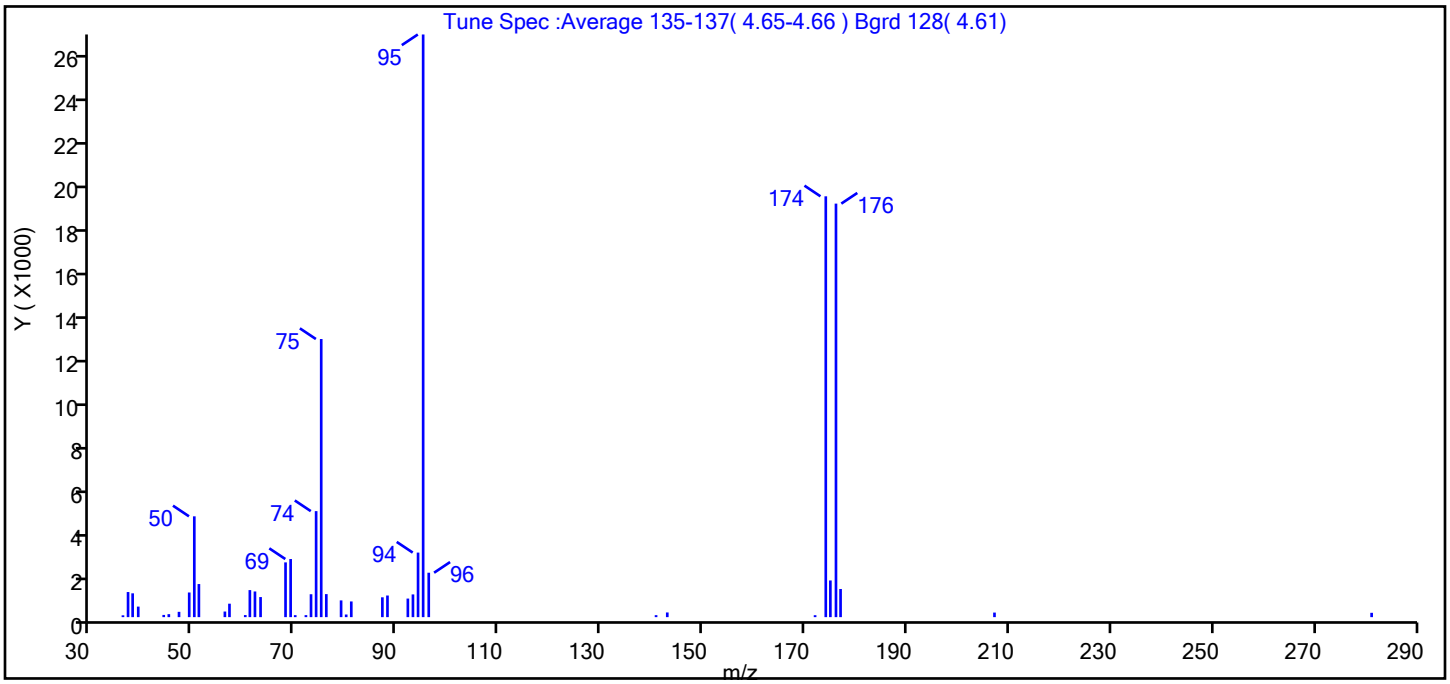
MSV_V_BFB_00008 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24T01.D				
Injection Date:	24-Aug-2022 08:33:30	Instrument ID:	9355		
Lims ID:	BFB				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 30 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.3
75	30 to 60% of m/z 95	47.7
96	5 to 9% of m/z 95	7.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	72.2
175	5 to 9% of m/z 174	6.3 (8.7)
176	Greater than 95% but less than 101% of m/z 174	71.0 (98.3)
177	5 to 9% of m/z 176	4.8 (6.8)

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24T01.D\MSVoa_9355.rslt\spectra.d
Injection Date: 24-Aug-2022 08:33:30
Spectrum: Tune Spec :Average 135-137(4.65-4.66) Bgrd 128(4.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	84	57.00	618	75.00	12773	96.00	2040
37.00	1153	60.00	95	76.00	1058	141.00	91
38.00	1094	61.00	1242	79.00	769	143.00	215
39.00	484	62.00	1179	80.00	121	172.00	89
44.00	102	63.00	922	81.00	721	174.00	19328
45.00	137	68.00	2515	87.00	911	175.00	1685
47.00	244	69.00	2669	88.00	993	176.00	18992
49.00	1132	70.00	91	92.00	853	177.00	1293
50.00	4630	72.00	92	93.00	1044	207.00	210
51.00	1520	73.00	1052	94.00	2965	281.00	199
56.00	258	74.00	4869	95.00	26760		

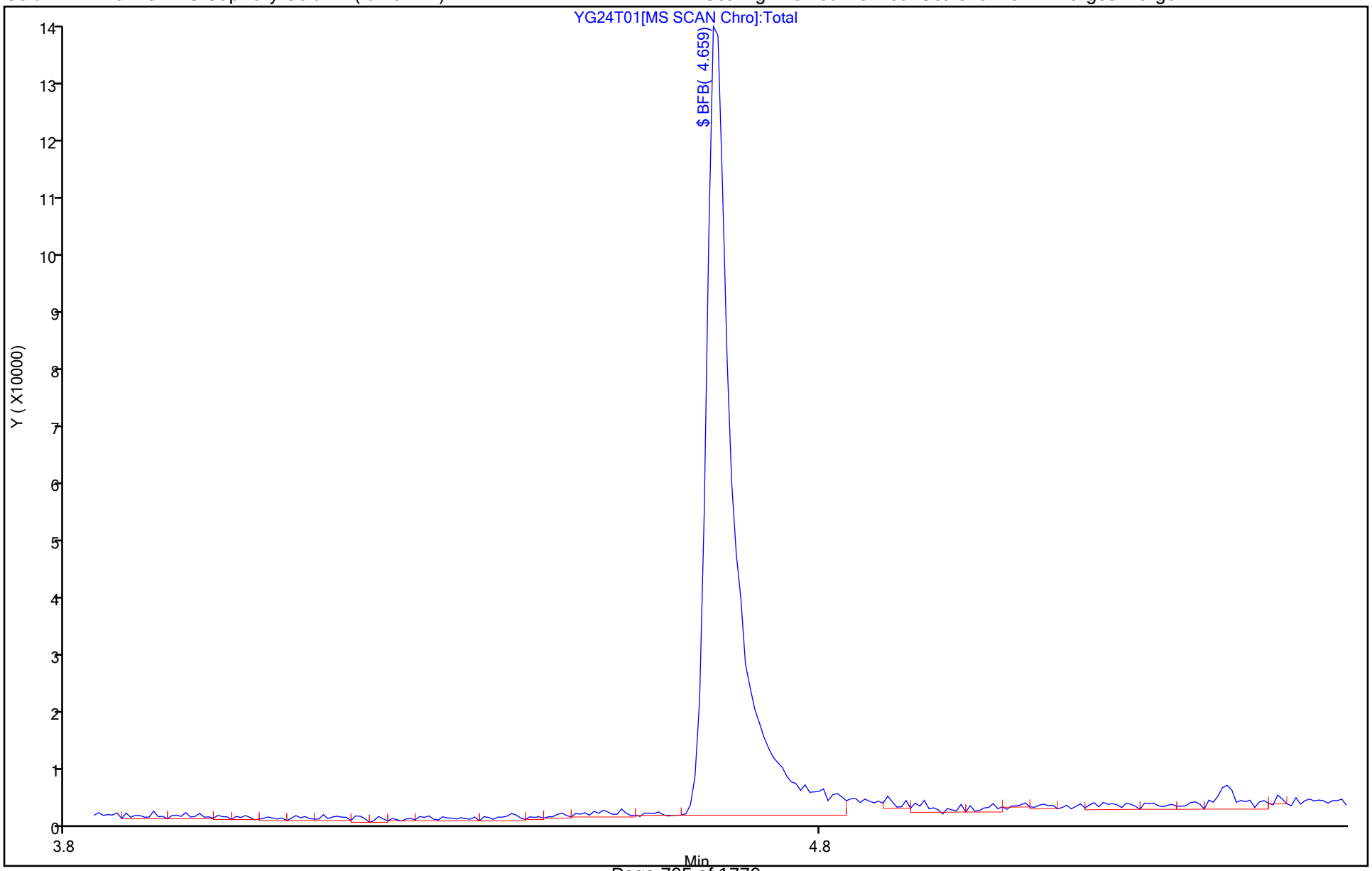
Report Date: 24-Aug-2022 10:00:02 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24T01.D

Injection Date:	24-Aug-2022 08:33:30	Instrument ID:	9355	Operator ID:	CLM27445
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-289040/7

Matrix: Water Lab File ID: YG24X06.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 10:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	ND		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	ND		5.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.20
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND		5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-289040/7

Matrix: Water Lab File ID: YG24X06.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 10:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30
98-82-8	Isopropylbenzene	ND		5.0	0.20
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	116		80-120
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Aug-2022 10:55:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-007
Misc. Info.: MB
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:36:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: TQ4J Date: 24-Aug-2022 13:22:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.952					ND	
3 Dichlorodifluoromethane	85		1.989					ND	
2 Chlorodifluoromethane	51		2.007					ND	
4 Chloromethane	50		2.196					ND	
5 Vinyl chloride	62		2.299					ND	
6 Butadiene	39		2.318					ND	
7 2-Chloro-1,1,1-Trifluoroethane	118		2.397					ND	
8 Bromomethane	94		2.640					ND	
9 Chloroethane	64		2.725					ND	
10 Dichlorofluoromethane	67		2.962					ND	
11 Trichlorofluoromethane	101		3.048					ND	
12 Pentane	43		3.048					ND	7
13 Ethanol	45		3.236					ND	
14 Ethyl ether	59		3.254					ND	
15 1,2-Dichloro-1,1,2-trifluoroetha	67		3.352					ND	
16 Acrolein	56		3.419					ND	
17 1,1-Dichloroethene	96		3.577					ND	
18 Acetone	58		3.577					ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.638					ND	
20 Isopropyl alcohol	45		3.741					ND	
21 Iodomethane	142		3.790					ND	
22 Carbon disulfide	76		3.899					ND	
23 Acetonitrile	41		3.984					ND	
24 Methyl acetate	43		4.015					ND	
25 3-Chloro-1-propene	41		4.051					ND	
* 26 t-Butyl alcohol-d10 (IS)	65	4.252	4.222	0.030	27	319490	250.0	250.0	M
27 Methylene Chloride	84		4.240					ND	
28 2-Methyl-2-propanol	59		4.349					ND	
29 Acrylonitrile	53		4.550					ND	
31 Methyl tert-butyl ether	73		4.654					ND	
32 trans-1,2-Dichloroethene	96		4.672					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	57		5.092					ND	
35 1,1-Dichloroethane	63		5.317					ND	
34 Vinyl acetate	43		5.335					ND	
36 Isopropyl ether	45		5.378					ND	
38 2-Chloro-1,3-butadiene	53		5.432					ND	
39 Tert-butyl ethyl ether	59		5.919					ND	
40 2-Butanone (MEK)	43		6.114					ND	
42 cis-1,2-Dichloroethene	96		6.150					ND	
S 41 1,2-Dichloroethene, Total	100		6.155					ND	7
43 Propionitrile	54		6.174					ND	
44 2,2-Dichloropropane	77		6.181					ND	
45 Ethyl acetate	43		6.205					ND	
47 Methacrylonitrile	67		6.406					ND	
48 Chlorobromomethane	128		6.485					ND	
49 Tetrahydrofuran	71		6.509					ND	
50 Chloroform	83		6.637					ND	
$ 51 Dibromofluoromethane (Surr)	113	6.862	6.856	0.006	93	200718	50.0	58.1	
52 1,1,1-Trichloroethane	97		6.880					ND	
53 Cyclohexane	56		7.002					ND	
54 1,1-Dichloropropene	75		7.087					ND	
55 Carbon tetrachloride	117		7.099					ND	
56 Isobutyl alcohol	41		7.209					ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.324	7.312	0.012	83	47436	50.0	53.4	
58 Benzene	78		7.349					ND	
60 1,2-Dichloroethane	62		7.422					ND	
59 Isopropyl acetate	43		7.434					ND	
61 Tert-amyl methyl ether	73		7.543					ND	
* 62 Fluorobenzene (IS)	96	7.762	7.756	0.006	99	720069	50.0	50.0	
63 n-Heptane	43		7.774					ND	
64 t-Amyl alcohol	73	7.768	7.842	-0.074	35	8663		NC	
65 n-Butanol	56		8.097					ND	
66 Trichloroethene	95		8.243					ND	
67 Methylcyclohexane	83		8.565					ND	
68 1,2-Dichloropropane	63		8.571					ND	
69 2-ethoxy-2-methyl butane	87		8.578					ND	
70 Methyl methacrylate	69		8.651					ND	
71 1,4-Dioxane	88		8.657					ND	
72 Dibromomethane	93		8.687					ND	
73 n-Propyl acetate	61		8.736					ND	
74 Dichlorobromomethane	83		8.918					ND	
75 2-Nitropropane	41		9.162					ND	
76 2-Chloroethyl vinyl ether	63		9.277					ND	
77 cis-1,3-Dichloropropene	75		9.460					ND	
78 4-Methyl-2-pentanone (MIBK)	43		9.618					ND	
$ 79 Toluene-d8 (Surr)	98	9.776	9.776	0.000	94	675742	50.0	47.5	
80 Toluene	92		9.849					ND	
S 101 1,3-Dichloropropene, Total	100		10.060					ND	7
102 trans-1,3-Dichloropropene	75		10.098					ND	
103 Ethyl methacrylate	69		10.159					ND	
104 1,1,2-Trichloroethane	97		10.305					ND	
105 Tetrachloroethene	166		10.409					ND	
106 1,3-Dichloropropane	76		10.470					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 3,4-Dichloro-1-butene	75		10.512					ND	
108 2-Hexanone	43		10.512					ND	
109 n-Butyl acetate	43		10.640					ND	
110 Chlorodibromomethane	129		10.689					ND	
111 Ethylene Dibromide	107		10.804					ND	
* 112 Chlorobenzene-d5 (IS)	117	11.236	11.230	0.006	86	533951	50.0	50.0	
113 1-Chlorohexane	91		11.236					ND	U
S 114 Xylenes, Total	106		11.245					ND	7
115 Chlorobenzene	112		11.260					ND	
116 1,1,1,2-Tetrachloroethane	131		11.339					ND	
117 Ethylbenzene	91		11.346					ND	
118 m-Xylene & p-Xylene	106		11.461					ND	
119 o-Xylene	106		11.790					ND	
120 Styrene	104		11.802					ND	
121 Bromoform	173		11.966					ND	
122 Isopropylbenzene	105		12.088					ND	
123 cis-1,4-Dichloro-2-butene	88		12.130					ND	
124 Cyclohexanone	55		12.161					ND	7
$ 125 4-Bromofluorobenzene (Surr)	95	12.240	12.234	0.006	89	239746	50.0	44.8	
126 1,1,2,2-Tetrachloroethane	83		12.325					ND	
127 trans-1,4-Dichloro-2-butene	53		12.349					ND	
128 Bromobenzene	156		12.349					ND	
129 1,2,3-Trichloropropane	110		12.374					ND	
130 N-Propylbenzene	91		12.416					ND	
131 2-Chlorotoluene	126		12.495					ND	
132 1,3,5-Trimethylbenzene	105		12.550					ND	
133 4-Chlorotoluene	126		12.587					ND	
134 2,3,4-Trichlorobutene	109		12.635					ND	
135 tert-Butylbenzene	134		12.793					ND	
136 Pentachloroethane	167		12.830					ND	
137 1,2,4-Trimethylbenzene	105		12.836					ND	
138 sec-Butylbenzene	105		12.958					ND	
139 1,3-Dichlorobenzene	146		13.061					ND	
140 4-Isopropyltoluene	119		13.067					ND	
* 141 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	301813	50.0	50.0	
142 1,4-Dichlorobenzene	146		13.134					ND	
143 1,2,3-Trimethylbenzene	105		13.140					ND	
144 Benzyl chloride	91		13.207					ND	7
145 1,3-Diethylbenzene	119		13.268					ND	
146 p-Diethylbenzene	119		13.341					ND	
147 n-Butylbenzene	92		13.359					ND	
148 1,2-Dichlorobenzene	146		13.396					ND	
149 o-diethylbenzene	119		13.414					ND	
150 Hexachloroethane	201		13.560					ND	
151 1,2-Dibromo-3-Chloropropane	75		13.937					ND	
152 1,3,5-Trichlorobenzene	180		14.071					ND	
153 1,2,4-Trichlorobenzene	180		14.491					ND	
154 Hexachlorobutadiene	225		14.570					ND	
155 Naphthalene	128		14.673					ND	7
156 1,2,3-Trichlorobenzene	180		14.813					ND	7
157 2-Methylnaphthalene	142		15.452					ND	7
158 C4-C10	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
159 Ethyl acrylate	55		0.000					ND	
S 160 Total BTEX	1		0.000					ND	
161 1-Chlorobutane	1		0.000					ND	
162 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
163 Isobutyl acetate	43		0.000					ND	
164 1,4-Divinylbenzene	1		0.000					ND	
165 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
166 Chloroacetonitrile	1		0.000					ND	
167 Undecane	1		0.000					ND	
168 1,1,2-Trichloro-1,2,2-trifluoroe	1		0.000					ND	
169 n-Octane	1		0.000					ND	
170 n-Nonane	1		0.000					ND	
171 C5-C12	1		0.000					ND	
172 C6-C10	1		0.000					ND	
173 3-chloro-1-Butene	1		0.000					ND	
174 tert-Butyl Formate	1		0.000					ND	
175 Diethoxymethane	1		0.000					ND	
176 1-Bromo-2-chloroethane	1		0.000					ND	
177 Methyl acrylate	1		0.000					ND	
178 n-Decane	57		0.000					ND	
S 179 divinyl benzene	1		0.000					ND	7
180 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
181 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
182 4-Ethyltoluene	1		0.000					ND	
183 Dodecane	57		0.000					ND	
184 1,3-Divinylbenzene	1		0.000					ND	
185 Butane	1		0.000					ND	
186 Ethyl bromide	1		0.000					ND	
187 Methylal	1		0.000					ND	
188 C6-C12	1		0.000					ND	
189 3-Methyl-1-butene	1		0.000					ND	
190 Propanol	1		0.000					ND	
191 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
192 Propene oxide	1		0.000					ND	
193 sec-Butyl Alcohol	45		0.000					ND	
194 C4-C12	1		0.000					ND	
195 Chlorofluoromethane TIC	1		0.000					ND	
196 1-Chloro-1,1-difluoroethane TIC	1		0.000					ND	
197 Freon 115 TIC	1		0.000					ND	
198 Fluoromethane TIC	1		0.000					ND	
199 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
200 1,2-Dichlorofluoroethane TIC	1		0.000					ND	
201 1,1,1-Trichloro-2,2,2-trifluoroe	1		0.000					ND	
202 bis(chloromethyl)ether TIC	1		0.000					ND	
203 Vinyl Fluoride TIC	1		0.000					ND	
204 1,1,2-Trifluoroethane TIC	1		0.000					ND	
S 205 Total Diethylbenzene	1		0.000					ND	7
206 2-Chloro-1,1,1-Trifluoroethane TI			0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_HP20_ISSS_00083	Amount Added:	1.00	Units: uL	Run Reagent

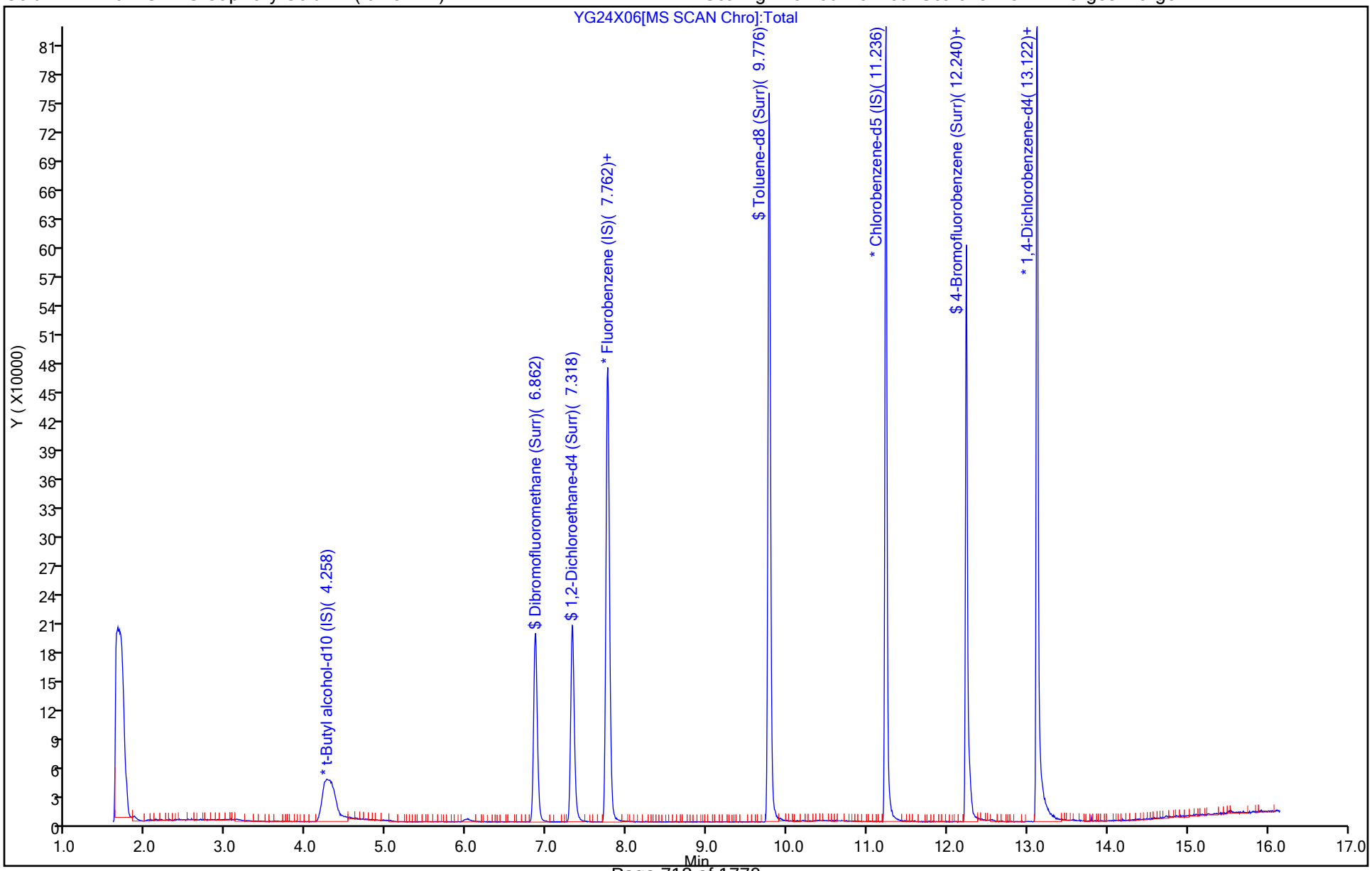
Report Date: 25-Aug-2022 10:41:44 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X06.D

Injection Date:	24-Aug-2022 10:55:30	Instrument ID:	9355	Operator ID:	CLM27445
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Aug-2022 10:55:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-007
Misc. Info.: MB
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:36:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: TQ4J Date: 24-Aug-2022 13:22:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	58.1	116.16
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	53.4	106.83
$ 79 Toluene-d8 (Surr)	50.0	47.5	95.07
$ 125 4-Bromofluorobenzene (Surr)	50.0	44.8	89.64

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

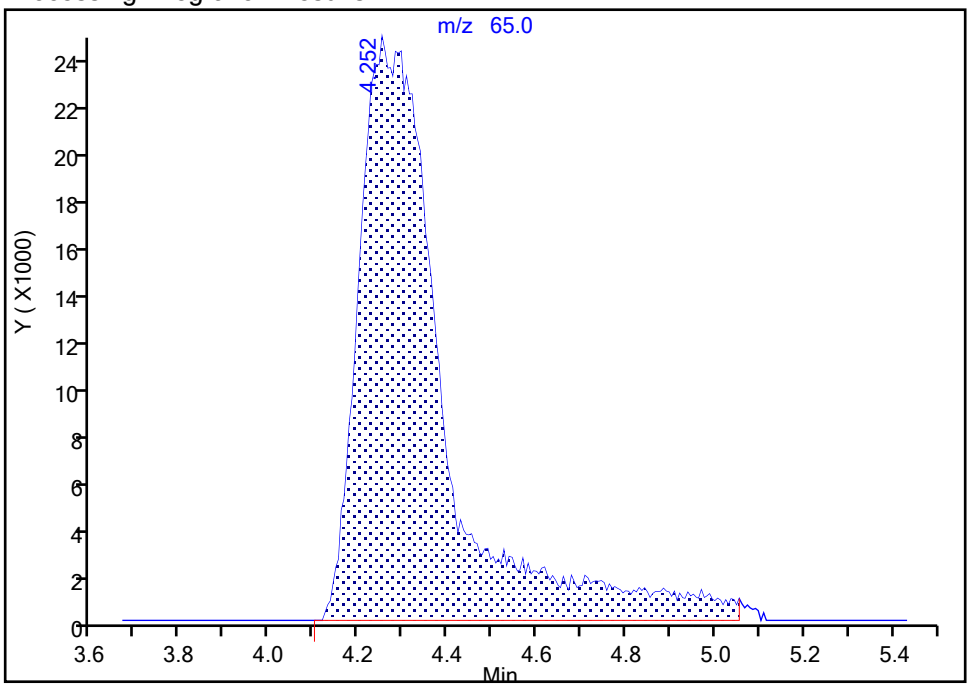
Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X06.D
Injection Date: 24-Aug-2022 10:55:30 Instrument ID: 9355
Lims ID: MB
Client ID:
Operator ID: CLM27445 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

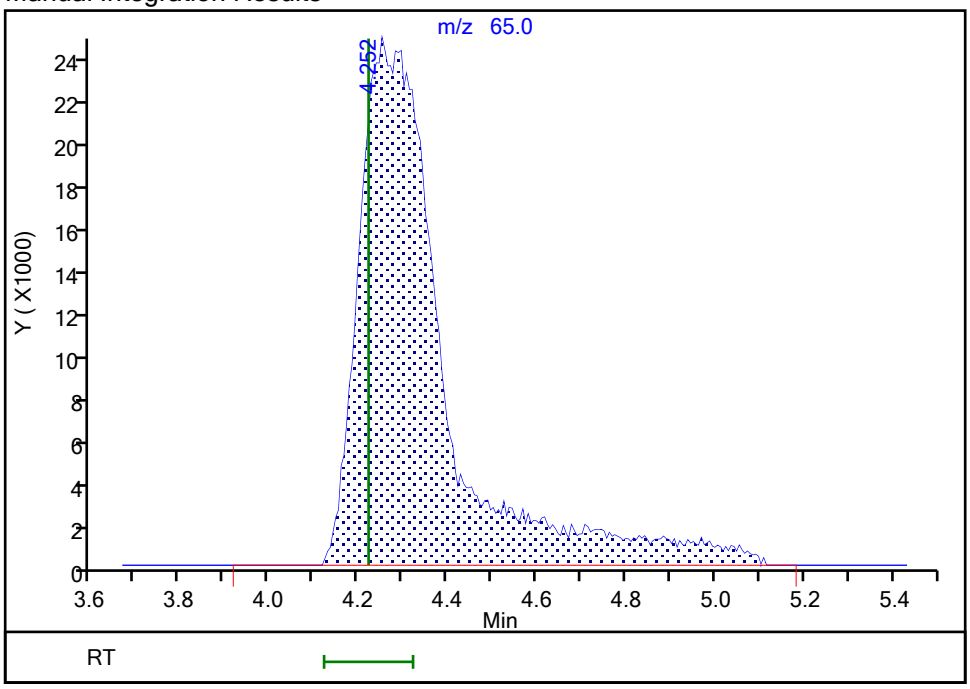
Processing Integration Results

RT: 4.25
Area: 318030
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.25
Area: 319490
Amount: 250.0000
Amount Units: ug/l



Reviewer: TQ4J, 24-Aug-2022 13:21:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-289040/4

Matrix: Water Lab File ID: YG24X03.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 09:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.5		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	18.5		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.7		1.0	0.30
75-34-3	1,1-Dichloroethane	19.5		1.0	0.30
75-35-4	1,1-Dichloroethene	20.0		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	16.9		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	18.2		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	16.2		5.0	0.30
106-93-4	1,2-Dibromoethane	20.0		1.0	0.20
95-50-1	1,2-Dichlorobenzene	19.3		5.0	0.20
107-06-2	1,2-Dichloroethane	21.4		1.0	0.30
78-87-5	1,2-Dichloropropane	18.8		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	17.9		5.0	0.30
541-73-1	1,3-Dichlorobenzene	19.2		5.0	0.68
106-46-7	1,4-Dichlorobenzene	19.5		5.0	0.30
78-93-3	2-Butanone	255		10	0.50
591-78-6	2-Hexanone	271		10	0.85
108-10-1	4-Methyl-2-pentanone	257		10	0.50
67-64-1	Acetone	265		20	0.70
71-43-2	Benzene	19.6		1.0	0.30
75-27-4	Bromodichloromethane	20.6		1.0	0.20
75-25-2	Bromoform	19.9		4.0	1.0
74-83-9	Bromomethane	15.7		1.0	0.30
75-15-0	Carbon disulfide	19.9		5.0	0.30
56-23-5	Carbon tetrachloride	22.7		1.0	0.30
108-90-7	Chlorobenzene	19.2		1.0	0.30
75-00-3	Chloroethane	17.4		1.0	0.20
67-66-3	Chloroform	20.8		1.0	0.30
74-87-3	Chloromethane	16.3		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	21.1		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.5		1.0	0.20
110-82-7	Cyclohexane	16.5		5.0	1.0
124-48-1	Dibromochloromethane	20.0		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-289040/4

Matrix: Water Lab File ID: YG24X03.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 09:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	18.4		1.0	0.20
100-41-4	Ethylbenzene	18.6		1.0	0.40
76-13-1	Freon 113	19.1		10	0.30
98-82-8	Isopropylbenzene	18.5		5.0	0.20
79-20-9	Methyl acetate	23.5		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	19.7		1.0	0.20
108-87-2	Methylcyclohexane	17.2		5.0	0.50
75-09-2	Methylene Chloride	20.3		1.0	0.30
100-42-5	Styrene	19.4		5.0	0.30
127-18-4	Tetrachloroethene	19.9		1.0	0.30
108-88-3	Toluene	18.8		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	20.2		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	19.8		1.0	0.20
79-01-6	Trichloroethene	19.6		1.0	0.30
75-69-4	Trichlorofluoromethane	19.3		1.0	0.20
75-01-4	Vinyl chloride	14.8		1.0	0.20
1330-20-7	Xylenes, Total	56.8		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Aug-2022 09:48:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-004
Misc. Info.: LCS
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:36:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: TQ4J Date: 24-Aug-2022 10:46:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.995	1.989	0.006	99	140366	20.0	18.4	
4 Chloromethane	50	2.202	2.196	0.006	99	158546	20.0	16.3	
5 Vinyl chloride	62	2.299	2.299	0.000	98	141306	20.0	14.8	
6 Butadiene	39	2.324	2.318	0.006	93	215175	20.0	26.1	
8 Bromomethane	94	2.652	2.640	0.012	92	96899	20.0	15.7	
9 Chloroethane	64	2.725	2.725	0.000	100	82157	20.0	17.4	
10 Dichlorofluoromethane	67	2.974	2.962	0.012	97	212547	20.0	17.7	
11 Trichlorofluoromethane	101	3.047	3.048	-0.001	86	187436	20.0	19.3	
12 Pentane	43	3.054	3.048	0.006	97	162428	20.0	17.3	
14 Ethyl ether	59	3.260	3.254	0.006	92	86409	19.9	19.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.370	3.352	0.018	92	127489	20.0	19.1	
16 Acrolein	56	3.425	3.419	0.006	100	321703	150.0	147.3	
17 1,1-Dichloroethene	96	3.577	3.577	0.000	44	94239	20.0	20.0	
18 Acetone	58	3.595	3.577	0.018	100	288158	250.0	264.9	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.638	3.638	0.000	92	106665	20.0	19.1	
20 Isopropyl alcohol	45	3.765	3.741	0.024	96	152081	150.0	129.4	
21 Iodomethane	142	3.796	3.790	0.006	99	178008	20.0	20.7	
22 Carbon disulfide	76	3.905	3.899	0.006	99	339517	20.0	19.9	
24 Methyl acetate	43	4.027	4.015	0.012	98	166471	20.0	23.5	
25 3-Chloro-1-propene	41	4.057	4.051	0.006	89	142241	20.0	19.3	
* 26 t-Butyl alcohol-d10 (IS)	65	4.240	4.222	0.018	98	341661	250.0	250.0	
27 Methylene Chloride	84	4.252	4.240	0.012	94	113457	20.0	20.3	
28 2-Methyl-2-propanol	59	4.368	4.349	0.019	96	383545	200.0	209.4	
29 Acrylonitrile	53	4.562	4.550	0.012	99	396431	100.0	104.9	
31 Methyl tert-butyl ether	73	4.672	4.654	0.018	95	332373	20.0	19.7	
32 trans-1,2-Dichloroethene	96	4.678	4.672	0.006	99	99610	20.0	20.2	
33 Hexane	57	5.104	5.092	0.012	93	124861	20.0	16.5	
35 1,1-Dichloroethane	63	5.323	5.317	0.006	97	175953	20.0	19.5	
36 Isopropyl ether	45	5.390	5.378	0.012	92	302763	20.0	18.3	
38 2-Chloro-1,3-butadiene	53	5.438	5.432	0.006	92	140067	20.0	20.1	
39 Tert-butyl ethyl ether	59	5.925	5.919	0.006	96	298099	20.0	19.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	43	6.114	6.114	0.000	100	1360976	250.0	255.2	
42 cis-1,2-Dichloroethene	96	6.156	6.150	0.006	81	114657	20.0	21.1	
43 Propionitrile	54	6.193	6.174	0.019	97	283130	150.0	159.3	
44 2,2-Dichloropropane	77	6.181	6.181	0.000	73	168835	20.0	21.8	
47 Methacrylonitrile	67	6.412	6.406	0.006	92	570536	150.0	156.2	
48 Chlorobromomethane	128	6.497	6.485	0.012	93	60657	20.0	21.6	
49 Tetrahydrofuran	71	6.515	6.509	0.006	92	153520	100.0	107.2	
50 Chloroform	83	6.637	6.637	0.000	93	181428	20.0	20.8	
$ 51 Dibromofluoromethane (Surr)	113	6.856	6.856	0.000	93	193564	50.0	53.8	
52 1,1,1-Trichloroethane	97	6.886	6.880	0.006	98	172551	20.0	21.5	
53 Cyclohexane	56	7.002	7.002	0.000	92	173569	20.0	16.5	
54 1,1-Dichloropropene	75	7.093	7.087	0.006	98	135595	20.0	19.2	
55 Carbon tetrachloride	117	7.105	7.099	0.006	97	150484	20.0	22.7	
56 Isobutyl alcohol	41	7.209	7.209	0.000	95	289205	500.0	478.1	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.312	7.312	0.000	91	49293	50.0	53.3	
58 Benzene	78	7.355	7.349	0.006	97	420565	20.0	19.6	
60 1,2-Dichloroethane	62	7.428	7.422	0.006	97	151970	20.0	21.4	
61 Tert-amyl methyl ether	73	7.543	7.543	0.000	97	303335	20.0	19.6	
* 62 Fluorobenzene (IS)	96	7.756	7.756	0.000	98	750288	50.0	50.0	
63 n-Heptane	43	7.781	7.774	0.006	92	142230	20.0	16.4	
65 n-Butanol	56	8.097	8.097	0.000	90	470228	1000.0	895.5	
66 Trichloroethene	95	8.243	8.243	0.000	99	104678	20.0	19.6	
67 Methylcyclohexane	83	8.565	8.565	0.000	95	182316	20.0	17.2	
68 1,2-Dichloropropane	63	8.571	8.571	0.000	82	107908	20.0	18.8	
69 2-ethoxy-2-methyl butane	87	8.584	8.578	0.006	90	142145	20.0	19.9	
70 Methyl methacrylate	69	8.657	8.651	0.007	91	98893	20.0	19.3	
71 1,4-Dioxane	88	8.663	8.657	0.006	46	76378	500.0	435.8	
72 Dibromomethane	93	8.687	8.687	0.000	97	74450	20.0	20.3	
74 Dichlorobromomethane	83	8.918	8.918	0.000	99	135009	20.0	20.6	
75 2-Nitropropane	41	9.161	9.162	-0.001	97	48012	20.0	21.4	
76 2-Chloroethyl vinyl ether	63	9.277	9.277	0.000	92	65870	20.0	17.1	
77 cis-1,3-Dichloropropene	75	9.466	9.460	0.006	95	156305	20.0	18.5	
78 4-Methyl-2-pentanone (MIBK)	43	9.618	9.618	0.000	97	2637925	250.0	256.6	
$ 79 Toluene-d8 (Surr)	98	9.776	9.776	0.000	93	765046	50.0	50.6	
80 Toluene	92	9.855	9.849	0.006	98	250780	20.0	18.8	
102 trans-1,3-Dichloropropene	75	10.104	10.098	0.006	93	150535	20.0	19.8	
103 Ethyl methacrylate	69	10.159	10.159	0.000	90	151242	20.0	18.4	
104 1,1,2-Trichloroethane	97	10.305	10.305	0.000	91	101469	20.0	19.7	
105 Tetrachloroethene	166	10.409	10.409	0.000	96	108032	20.0	19.9	
106 1,3-Dichloropropane	76	10.469	10.470	-0.001	92	165764	20.0	19.4	
108 2-Hexanone	43	10.512	10.512	0.000	97	1911538	250.0	271.4	
110 Chlorodibromomethane	129	10.688	10.689	0.000	90	111526	20.0	20.0	
111 Ethylene Dibromide	107	10.804	10.804	0.000	98	109545	20.0	20.0	
* 112 Chlorobenzene-d5 (IS)	117	11.236	11.230	0.006	87	568439	50.0	50.0	
113 1-Chlorohexane	91	11.242	11.236	0.006	96	117521	20.0	16.5	
115 Chlorobenzene	112	11.260	11.260	0.000	95	298428	20.0	19.2	
116 1,1,1,2-Tetrachloroethane	131	11.339	11.339	0.000	94	115119	20.0	20.3	
117 Ethylbenzene	91	11.345	11.346	-0.001	98	487456	20.0	18.6	
118 m-Xylene & p-Xylene	106	11.461	11.461	0.000	100	393782	40.0	38.5	
119 o-Xylene	106	11.790	11.790	0.000	96	195439	20.0	18.3	
120 Styrene	104	11.808	11.802	0.006	95	310327	20.0	19.4	
121 Bromoform	173	11.966	11.966	0.000	96	83650	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
122 Isopropylbenzene	105	12.088	12.088	0.000	96	518381	20.0	18.5	
124 Cyclohexanone	55	12.161	12.161	0.000	93	227565	500.1	318.9	
$ 125 4-Bromofluorobenzene (Surr)	95	12.234	12.234	0.000	88	285635	50.0	50.2	
126 1,1,2,2-Tetrachloroethane	83	12.325	12.325	0.000	94	202386	20.0	18.5	
127 trans-1,4-Dichloro-2-butene	53	12.349	12.349	0.000	83	180935	100.0	61.7	
128 Bromobenzene	156	12.355	12.349	0.006	90	133313	20.0	19.9	
129 1,2,3-Trichloropropane	110	12.374	12.374	0.000	82	61120	20.0	19.5	
130 N-Propylbenzene	91	12.416	12.416	0.000	99	637736	20.0	18.6	
131 2-Chlorotoluene	126	12.495	12.495	0.000	97	132129	20.0	18.3	
132 1,3,5-Trimethylbenzene	105	12.556	12.550	0.006	95	458254	20.0	17.9	
133 4-Chlorotoluene	126	12.587	12.587	0.000	98	132392	20.0	18.9	
135 tert-Butylbenzene	134	12.793	12.793	0.000	93	86476	20.0	17.7	
137 1,2,4-Trimethylbenzene	105	12.836	12.836	0.000	98	475271	20.0	18.2	
138 sec-Butylbenzene	105	12.958	12.958	0.000	94	584546	20.0	17.6	
139 1,3-Dichlorobenzene	146	13.061	13.061	0.000	97	263502	20.0	19.2	
140 4-Isopropyltoluene	119	13.067	13.067	0.000	97	515870	20.0	18.0	
* 141 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	347921	50.0	50.0	
142 1,4-Dichlorobenzene	146	13.140	13.134	0.006	94	283654	20.0	19.5	
143 1,2,3-Trimethylbenzene	105	13.140	13.140	0.000	98	509658	20.0	18.2	
144 Benzyl chloride	91	13.207	13.207	0.000	99	365908	20.0	19.9	
145 1,3-Diethylbenzene	119	13.268	13.268	0.000	95	308697	20.0	17.8	
146 p-Diethylbenzene	119	13.341	13.341	0.000	94	328806	20.0	18.0	
147 n-Butylbenzene	92	13.359	13.359	0.000	97	260109	20.0	17.5	
148 1,2-Dichlorobenzene	146	13.396	13.396	0.000	98	284511	20.0	19.3	
149 o-diethylbenzene	119	13.414	13.414	0.000	95	277431	20.0	17.7	
151 1,2-Dibromo-3-Chloropropane	75	13.937	13.937	0.000	90	54214	20.0	16.2	
152 1,3,5-Trichlorobenzene	180	14.071	14.071	0.000	98	214167	20.0	17.8	
153 1,2,4-Trichlorobenzene	180	14.491	14.491	0.000	95	202082	20.0	16.9	
154 Hexachlorobutadiene	225	14.570	14.570	0.000	98	85540	20.0	18.1	
155 Naphthalene	128	14.673	14.673	0.000	97	724418	20.0	16.8	
156 1,2,3-Trichlorobenzene	180	14.819	14.813	0.006	95	216021	20.0	17.1	
157 2-Methylnaphthalene	142	15.458	15.452	0.006	92	379819	20.0	15.2	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_ACROL_00072	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00074	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00069	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00101	Amount Added: 50.00	Units: uL	
MSV_LCS_CYC_00002	Amount Added: 50.00	Units: uL	
MSV_LCS_EE_00003	Amount Added: 50.00	Units: uL	
MSV_HP20_ISSS_00083	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2022 10:38:02 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X03.D

Injection Date: 24-Aug-2022 09:48:30 Instrument ID: 9355 Operator ID: CLM27445

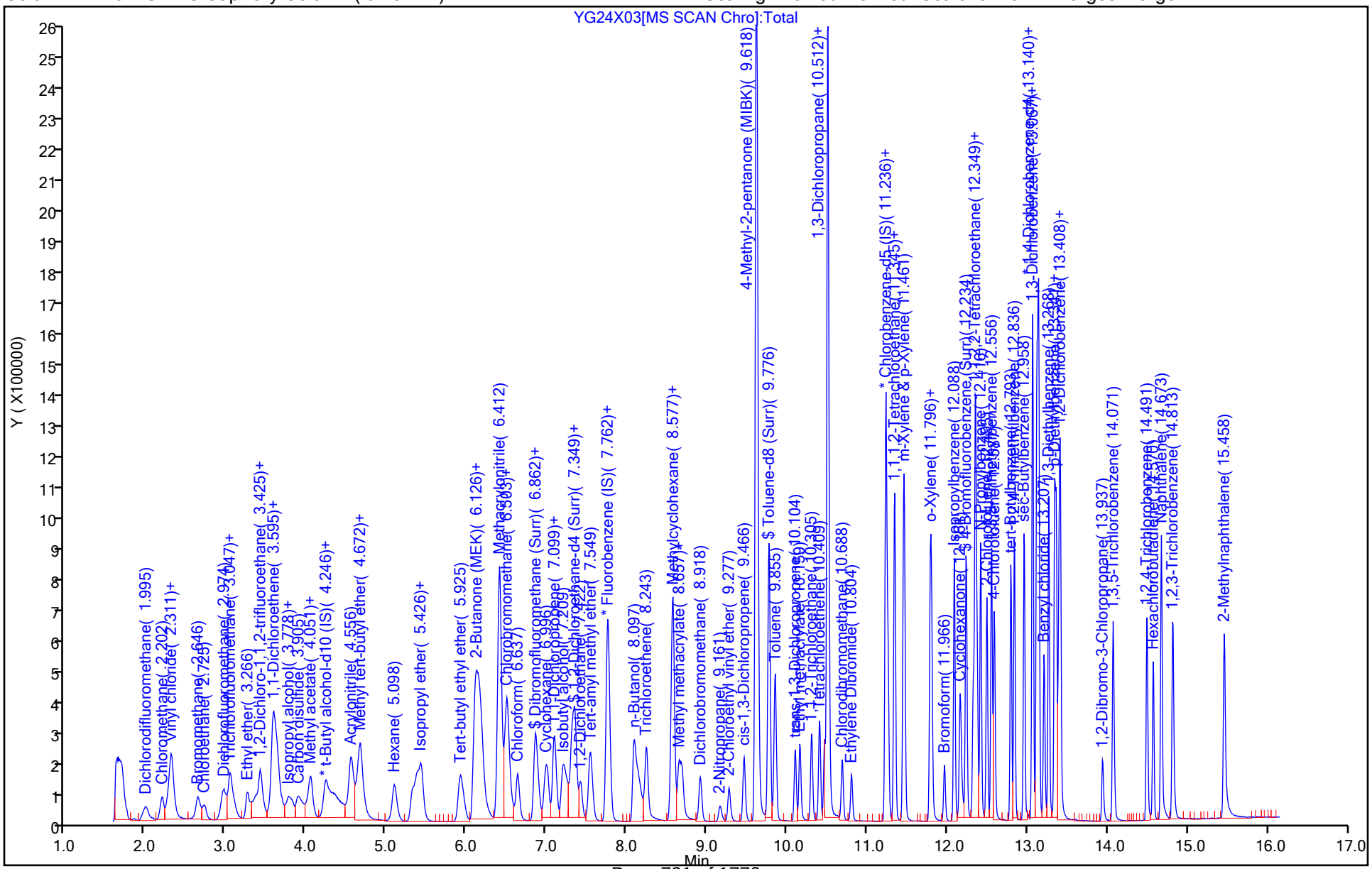
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Aug-2022 09:48:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-004
Misc. Info.: LCS
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:36:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: TQ4J Date: 24-Aug-2022 10:46:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	53.8	107.50
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	53.3	106.54
$ 79 Toluene-d8 (Surr)	50.0	50.6	101.11
$ 125 4-Bromofluorobenzene (Surr)	50.0	50.2	100.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-289040/5

Matrix: Water Lab File ID: YG24X04.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 10:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.7		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	17.9		1.0	0.30
79-00-5	1,1,2-Trichloroethane	18.9		1.0	0.30
75-34-3	1,1-Dichloroethane	19.2		1.0	0.30
75-35-4	1,1-Dichloroethene	19.7		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	16.2		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	18.0		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	16.0		5.0	0.30
106-93-4	1,2-Dibromoethane	18.8		1.0	0.20
95-50-1	1,2-Dichlorobenzene	18.4		5.0	0.20
107-06-2	1,2-Dichloroethane	20.5		1.0	0.30
78-87-5	1,2-Dichloropropane	18.3		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	17.6		5.0	0.30
541-73-1	1,3-Dichlorobenzene	18.7		5.0	0.68
106-46-7	1,4-Dichlorobenzene	18.7		5.0	0.30
78-93-3	2-Butanone	242		10	0.50
591-78-6	2-Hexanone	260		10	0.85
108-10-1	4-Methyl-2-pentanone	245		10	0.50
67-64-1	Acetone	250		20	0.70
71-43-2	Benzene	18.8		1.0	0.30
75-27-4	Bromodichloromethane	19.6		1.0	0.20
75-25-2	Bromoform	18.9		4.0	1.0
74-83-9	Bromomethane	14.9		1.0	0.30
75-15-0	Carbon disulfide	18.7		5.0	0.30
56-23-5	Carbon tetrachloride	21.8		1.0	0.30
108-90-7	Chlorobenzene	18.4		1.0	0.30
75-00-3	Chloroethane	16.7		1.0	0.20
67-66-3	Chloroform	20.1		1.0	0.30
74-87-3	Chloromethane	15.1		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	20.8		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	17.5		1.0	0.20
110-82-7	Cyclohexane	15.9		5.0	1.0
124-48-1	Dibromochloromethane	19.2		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-289040/5

Matrix: Water Lab File ID: YG24X04.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 10:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	17.6		1.0	0.20
100-41-4	Ethylbenzene	18.3		1.0	0.40
76-13-1	Freon 113	18.2		10	0.30
98-82-8	Isopropylbenzene	17.9		5.0	0.20
79-20-9	Methyl acetate	20.2		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	19.0		1.0	0.20
108-87-2	Methylcyclohexane	16.7		5.0	0.50
75-09-2	Methylene Chloride	19.8		1.0	0.30
100-42-5	Styrene	18.6		5.0	0.30
127-18-4	Tetrachloroethene	19.0		1.0	0.30
108-88-3	Toluene	18.3		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	19.7		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.9		1.0	0.20
79-01-6	Trichloroethene	19.2		1.0	0.30
75-69-4	Trichlorofluoromethane	18.1		1.0	0.20
75-01-4	Vinyl chloride	14.2		1.0	0.20
1330-20-7	Xylenes, Total	54.6		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 24-Aug-2022 10:10:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-005
Misc. Info.: LCSD
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:36:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: TQ4J Date: 24-Aug-2022 10:48:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	2.007	1.989	0.018	99	143401	20.0	17.6	
4 Chloromethane	50	2.208	2.196	0.012	99	156476	20.0	15.1	
5 Vinyl chloride	62	2.311	2.299	0.012	98	144549	20.0	14.2	
6 Butadiene	39	2.324	2.318	0.006	94	221381	20.0	25.2	
8 Bromomethane	94	2.652	2.640	0.012	92	98249	20.0	14.9	
9 Chloroethane	64	2.737	2.725	0.012	99	83790	20.0	16.7	
10 Dichlorofluoromethane	67	2.981	2.962	0.019	97	213771	20.0	16.7	
11 Trichlorofluoromethane	101	3.054	3.048	0.006	66	186810	20.0	18.1	
12 Pentane	43	3.060	3.048	0.012	97	156991	20.0	15.7	
14 Ethyl ether	59	3.273	3.254	0.019	92	88630	19.9	18.8	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.370	3.352	0.018	94	131145	20.0	18.5	
16 Acrolein	56	3.431	3.419	0.012	100	335206	150.0	143.1	
17 1,1-Dichloroethene	96	3.589	3.577	0.012	67	98927	20.0	19.7	
18 Acetone	58	3.601	3.577	0.024	100	291348	250.0	249.9	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.638	3.638	0.000	92	108519	20.0	18.2	
20 Isopropyl alcohol	45	3.765	3.741	0.024	79	153511	150.0	121.9	
21 Iodomethane	142	3.808	3.790	0.018	99	184710	20.0	20.2	
22 Carbon disulfide	76	3.918	3.899	0.019	99	341062	20.0	18.7	
24 Methyl acetate	43	4.027	4.015	0.012	97	152015	20.0	20.2	
25 3-Chloro-1-propene	41	4.070	4.051	0.019	91	149504	20.0	19.0	
* 26 t-Butyl alcohol-d10 (IS)	65	4.264	4.222	0.042	98	366213	250.0	250.0	M
27 Methylene Chloride	84	4.258	4.240	0.018	92	117837	20.0	19.8	
28 2-Methyl-2-propanol	59	4.398	4.349	0.049	98	396255	200.0	201.9	
29 Acrylonitrile	53	4.568	4.550	0.018	99	401481	100.0	99.7	
31 Methyl tert-butyl ether	73	4.666	4.654	0.012	95	340071	20.0	19.0	
32 trans-1,2-Dichloroethene	96	4.684	4.672	0.012	97	103740	20.0	19.7	
33 Hexane	57	5.110	5.092	0.018	94	128565	20.0	15.9	
35 1,1-Dichloroethane	63	5.335	5.317	0.018	96	184776	20.0	19.2	
36 Isopropyl ether	45	5.390	5.378	0.012	93	307699	20.0	17.5	
38 2-Chloro-1,3-butadiene	53	5.438	5.432	0.006	91	145563	20.0	19.6	
39 Tert-butyl ethyl ether	59	5.931	5.919	0.012	96	306467	20.0	18.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	43	6.120	6.114	0.006	100	1376247	250.0	242.3	
42 cis-1,2-Dichloroethene	96	6.156	6.150	0.006	81	119962	20.0	20.8	
43 Propionitrile	54	6.187	6.174	0.013	97	285077	150.0	149.7	
44 2,2-Dichloropropane	77	6.187	6.181	0.006	77	175044	20.0	21.2	
47 Methacrylonitrile	67	6.418	6.406	0.012	92	583594	150.0	150.0	
48 Chlorobromomethane	128	6.497	6.485	0.012	92	61766	20.0	20.6	
49 Tetrahydrofuran	71	6.521	6.509	0.012	92	154416	100.0	100.6	
50 Chloroform	83	6.643	6.637	0.006	93	186192	20.0	20.1	
$ 51 Dibromofluoromethane (Surr)	113	6.856	6.856	0.000	93	208844	50.0	54.4	
52 1,1,1-Trichloroethane	97	6.886	6.880	0.006	98	176859	20.0	20.7	
53 Cyclohexane	56	7.002	7.002	0.000	91	177610	20.0	15.9	
54 1,1-Dichloropropene	75	7.093	7.087	0.006	97	138447	20.0	18.4	
55 Carbon tetrachloride	117	7.111	7.099	0.012	96	154103	20.0	21.8	
56 Isobutyl alcohol	41	7.221	7.209	0.012	94	293872	500.0	453.2	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.318	7.312	0.006	92	51023	50.0	51.8	
58 Benzene	78	7.361	7.349	0.012	97	429702	20.0	18.8	
60 1,2-Dichloroethane	62	7.428	7.422	0.006	98	154620	20.0	20.5	
61 Tert-amyl methyl ether	73	7.556	7.543	0.013	97	305506	20.0	18.5	
* 62 Fluorobenzene (IS)	96	7.762	7.756	0.006	98	799207	50.0	50.0	
63 n-Heptane	43	7.781	7.774	0.007	92	145137	20.0	15.7	
65 n-Butanol	56	8.097	8.097	0.000	91	479458	1000.0	851.8	
66 Trichloroethene	95	8.249	8.243	0.006	99	109343	20.0	19.2	
67 Methylcyclohexane	83	8.571	8.565	0.006	91	189326	20.0	16.7	
68 1,2-Dichloropropane	63	8.578	8.571	0.007	73	112422	20.0	18.3	
69 2-ethoxy-2-methyl butane	87	8.590	8.578	0.012	89	145661	20.0	19.2	
70 Methyl methacrylate	69	8.651	8.651	0.001	92	101319	20.0	18.6	
71 1,4-Dioxane	88	8.669	8.657	0.012	66	77878	500.0	414.6	
72 Dibromomethane	93	8.693	8.687	0.006	97	76248	20.0	19.5	
74 Dichlorobromomethane	83	8.918	8.918	0.000	99	136587	20.0	19.6	
75 2-Nitropropane	41	9.168	9.162	0.006	98	49101	20.0	20.5	
76 2-Chloroethyl vinyl ether	63	9.283	9.277	0.006	92	68114	20.0	16.6	
77 cis-1,3-Dichloropropene	75	9.466	9.460	0.006	96	157981	20.0	17.5	
78 4-Methyl-2-pentanone (MIBK)	43	9.624	9.618	0.006	97	2686336	250.0	245.3	
$ 79 Toluene-d8 (Surr)	98	9.776	9.776	0.000	94	817759	50.0	50.9	
80 Toluene	92	9.855	9.849	0.006	98	258813	20.0	18.3	
102 trans-1,3-Dichloropropene	75	10.105	10.098	0.007	93	152798	20.0	18.9	
103 Ethyl methacrylate	69	10.165	10.159	0.006	90	155771	20.0	17.8	
104 1,1,2-Trichloroethane	97	10.305	10.305	0.000	91	102930	20.0	18.9	
105 Tetrachloroethene	166	10.409	10.409	0.000	95	109173	20.0	19.0	
106 1,3-Dichloropropane	76	10.470	10.470	0.000	92	168116	20.0	18.5	
108 2-Hexanone	43	10.512	10.512	0.000	97	1943331	250.0	259.9	
110 Chlorodibromomethane	129	10.695	10.689	0.007	89	113298	20.0	19.2	
111 Ethylene Dibromide	107	10.804	10.804	0.000	99	109213	20.0	18.8	
* 112 Chlorobenzene-d5 (IS)	117	11.236	11.230	0.006	86	603457	50.0	50.0	
113 1-Chlorohexane	91	11.242	11.236	0.006	98	124784	20.0	16.5	
115 Chlorobenzene	112	11.260	11.260	0.000	96	303212	20.0	18.4	
116 1,1,1,2-Tetrachloroethane	131	11.339	11.339	0.000	96	116171	20.0	19.3	
117 Ethylbenzene	91	11.346	11.346	0.000	98	509313	20.0	18.3	
118 m-Xylene & p-Xylene	106	11.461	11.461	0.000	100	399524	40.0	36.8	
119 o-Xylene	106	11.790	11.790	0.000	96	201288	20.0	17.8	
120 Styrene	104	11.808	11.802	0.006	95	315934	20.0	18.6	
121 Bromoform	173	11.966	11.966	0.000	95	84677	20.0	18.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
122 Isopropylbenzene	105	12.088	12.088	0.000	96	532655	20.0	17.9	
124 Cyclohexanone	55	12.161	12.161	0.000	93	221773	500.1	289.9	
$ 125 4-Bromofluorobenzene (Surr)	95	12.234	12.234	0.000	87	304634	50.0	50.4	
126 1,1,2,2-Tetrachloroethane	83	12.325	12.325	0.000	94	204488	20.0	17.9	
127 trans-1,4-Dichloro-2-butene	53	12.349	12.349	0.000	81	175512	100.0	57.2	
128 Bromobenzene	156	12.355	12.349	0.006	94	133653	20.0	19.0	
129 1,2,3-Trichloropropane	110	12.374	12.374	0.000	82	62806	20.0	19.2	
130 N-Propylbenzene	91	12.416	12.416	0.000	99	645274	20.0	17.9	
131 2-Chlorotoluene	126	12.495	12.495	0.000	97	134945	20.0	17.9	
132 1,3,5-Trimethylbenzene	105	12.556	12.550	0.006	94	471676	20.0	17.6	
133 4-Chlorotoluene	126	12.587	12.587	0.000	98	134409	20.0	18.3	
135 tert-Butylbenzene	134	12.793	12.793	0.000	93	88242	20.0	17.3	
137 1,2,4-Trimethylbenzene	105	12.836	12.836	0.000	98	493904	20.0	18.0	
138 sec-Butylbenzene	105	12.958	12.958	0.000	95	598865	20.0	17.2	
139 1,3-Dichlorobenzene	146	13.067	13.061	0.006	98	268853	20.0	18.7	
140 4-Isopropyltoluene	119	13.067	13.067	0.000	97	525918	20.0	17.6	
* 141 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	96	364108	50.0	50.0	
142 1,4-Dichlorobenzene	146	13.140	13.134	0.006	94	284585	20.0	18.7	
143 1,2,3-Trimethylbenzene	105	13.140	13.140	0.000	98	522287	20.0	17.8	
144 Benzyl chloride	91	13.207	13.207	0.000	99	372171	20.0	19.3	
145 1,3-Diethylbenzene	119	13.268	13.268	0.000	95	319359	20.0	17.6	
146 p-Diethylbenzene	119	13.341	13.341	0.000	95	340949	20.0	17.8	
147 n-Butylbenzene	92	13.359	13.359	0.000	97	273823	20.0	17.6	
148 1,2-Dichlorobenzene	146	13.396	13.396	0.000	98	284296	20.0	18.4	
149 o-diethylbenzene	119	13.414	13.414	0.000	95	277232	20.0	16.9	
151 1,2-Dibromo-3-Chloropropane	75	13.943	13.937	0.006	83	55880	20.0	16.0	
152 1,3,5-Trichlorobenzene	180	14.071	14.071	0.000	97	214828	20.0	17.1	
153 1,2,4-Trichlorobenzene	180	14.497	14.491	0.006	94	202859	20.0	16.2	
154 Hexachlorobutadiene	225	14.576	14.570	0.006	98	85261	20.0	17.2	
155 Naphthalene	128	14.673	14.673	0.000	97	716528	20.0	15.8	
156 1,2,3-Trichlorobenzene	180	14.819	14.813	0.006	96	215832	20.0	16.3	
157 2-Methylnaphthalene	142	15.458	15.452	0.006	92	342590	20.0	13.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_ACROL_00072	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00074	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00069	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00101	Amount Added: 50.00	Units: uL	
MSV_LCS_CYC_00002	Amount Added: 50.00	Units: uL	
MSV_LCS_EE_00003	Amount Added: 50.00	Units: uL	
MSV_HP20_ISSS_00083	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2022 10:39:02 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X04.D

Injection Date: 24-Aug-2022 10:10:30 Instrument ID: 9355 Operator ID: CLM27445

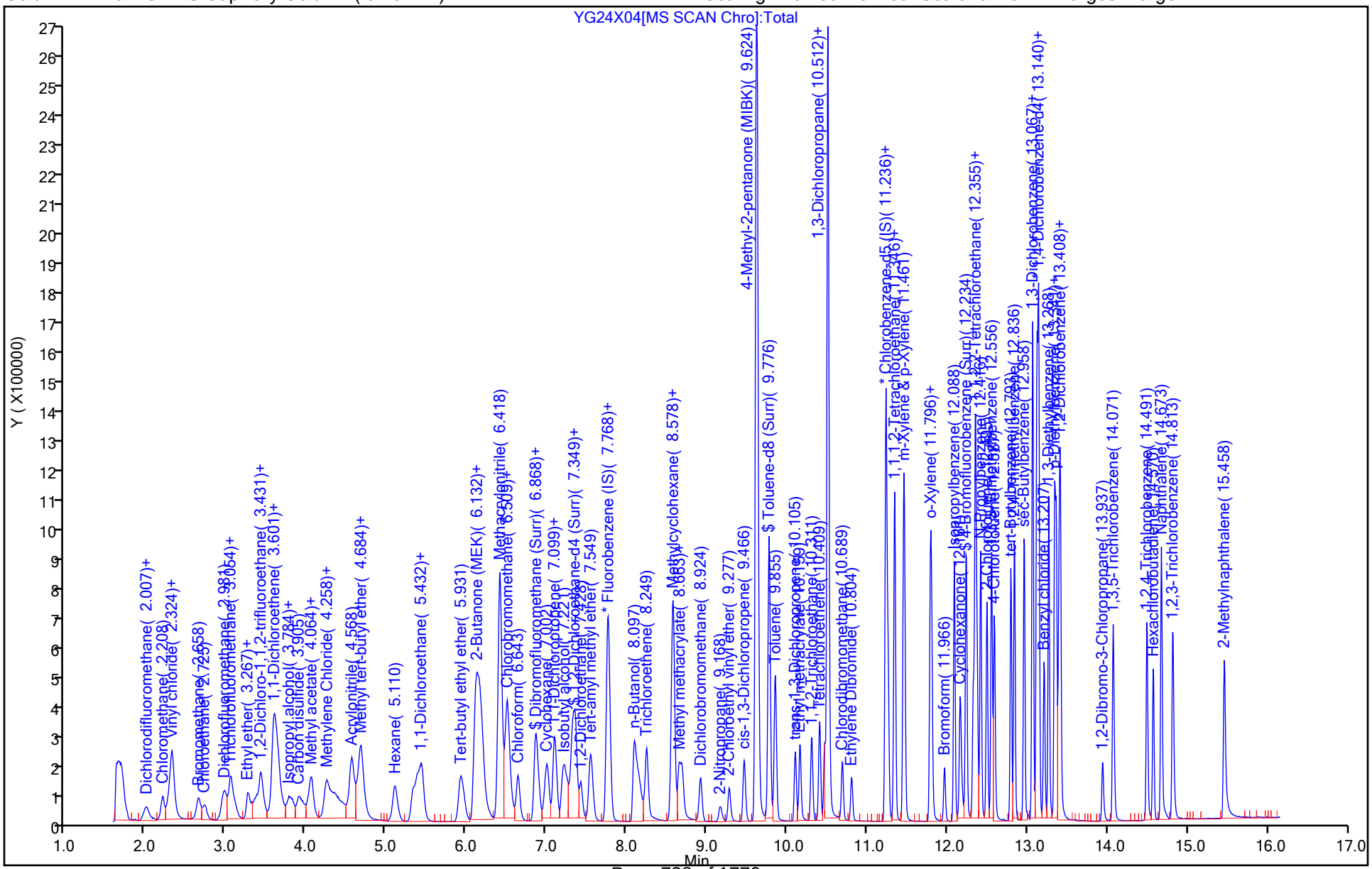
Lims ID: LCSD Worklist Smp#: 5

Client ID:

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

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 24-Aug-2022 10:10:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-005
Misc. Info.: LCSD
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:36:25 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: TQ4J Date: 24-Aug-2022 10:48:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	54.4	108.89
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	51.8	103.53
$ 79 Toluene-d8 (Surr)	50.0	50.9	101.80
$ 125 4-Bromofluorobenzene (Surr)	50.0	50.4	100.78

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

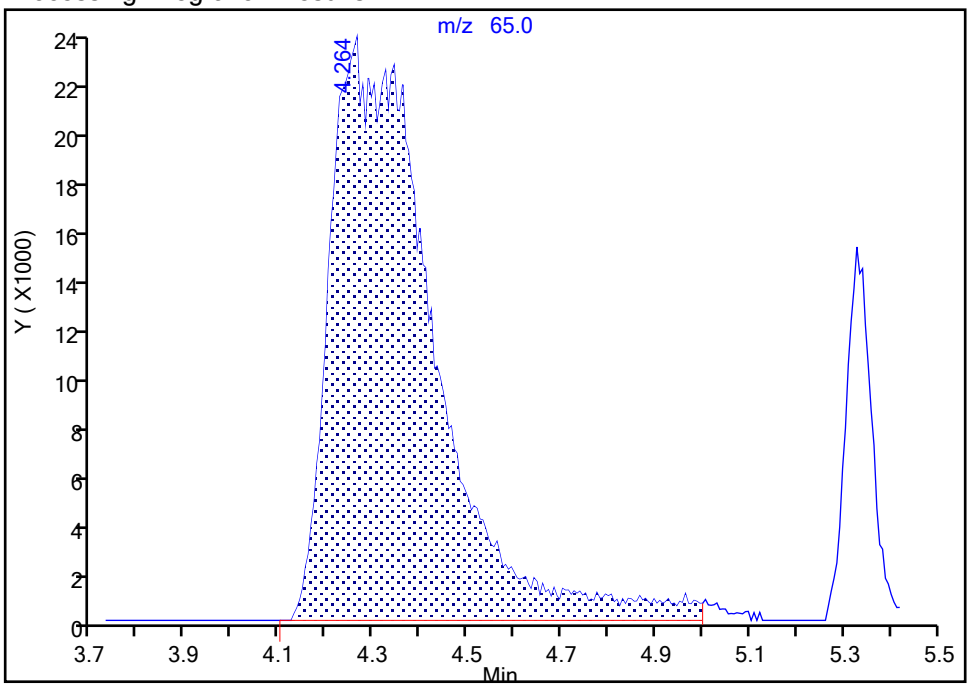
Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X04.D
Injection Date: 24-Aug-2022 10:10:30 Instrument ID: 9355
Lims ID: LCSD
Client ID:
Operator ID: CLM27445 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

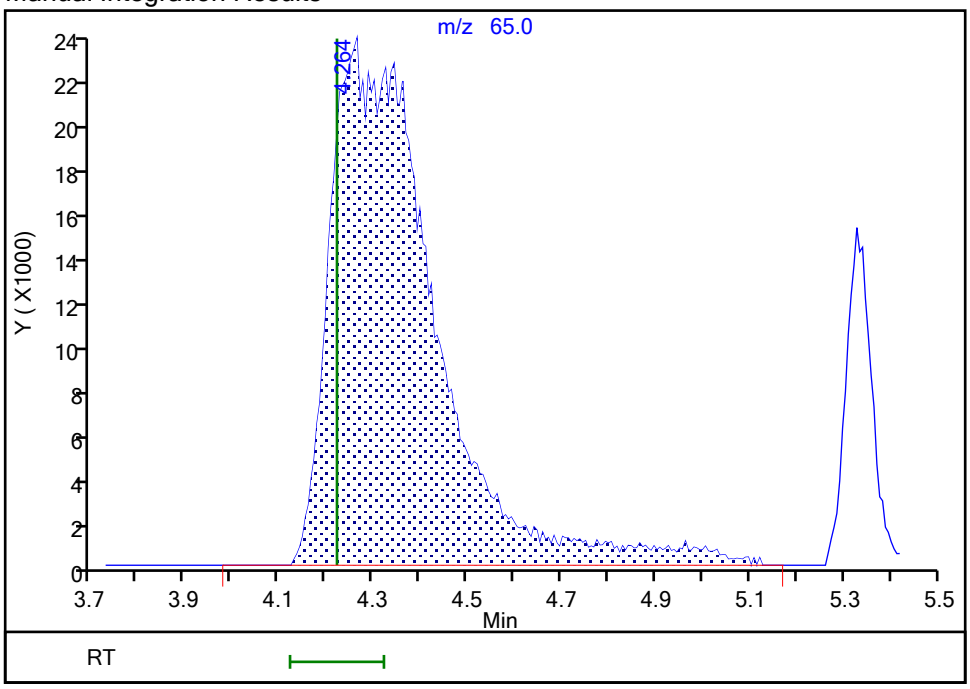
Processing Integration Results

RT: 4.26
Area: 363330
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.26
Area: 366213
Amount: 250.0000
Amount Units: ug/l



Reviewer: TQ4J, 24-Aug-2022 10:47:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MS_082022 MS Lab Sample ID: 410-94417-1 MS

Matrix: Water Lab File ID: YG24X21.D

Analysis Method: 8260C Date Collected: 08/11/2022 12:05

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 16:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.7		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.0	0.30
79-00-5	1,1,2-Trichloroethane	21.6		1.0	0.30
75-34-3	1,1-Dichloroethane	21.9		1.0	0.30
75-35-4	1,1-Dichloroethene	23.3		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	16.7		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	20.0		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	17.5		5.0	0.30
106-93-4	1,2-Dibromoethane	21.4		1.0	0.20
95-50-1	1,2-Dichlorobenzene	20.3		5.0	0.20
107-06-2	1,2-Dichloroethane	23.7		1.0	0.30
78-87-5	1,2-Dichloropropane	21.2		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	20.0		5.0	0.30
541-73-1	1,3-Dichlorobenzene	21.0		5.0	0.68
106-46-7	1,4-Dichlorobenzene	20.8		5.0	0.30
78-93-3	2-Butanone	264		10	0.50
591-78-6	2-Hexanone	291		10	0.85
108-10-1	4-Methyl-2-pentanone	269		10	0.50
67-64-1	Acetone	280		20	0.70
71-43-2	Benzene	22.2		1.0	0.30
75-27-4	Bromodichloromethane	22.6		1.0	0.20
75-25-2	Bromoform	21.4		4.0	1.0
74-83-9	Bromomethane	18.6		1.0	0.30
75-15-0	Carbon disulfide	23.1		5.0	0.30
56-23-5	Carbon tetrachloride	26.8		1.0	0.30
108-90-7	Chlorobenzene	21.5		1.0	0.30
75-00-3	Chloroethane	19.9		1.0	0.20
67-66-3	Chloroform	23.4		1.0	0.30
74-87-3	Chloromethane	19.3		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	23.9		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	19.0		1.0	0.20
110-82-7	Cyclohexane	20.1		5.0	1.0
124-48-1	Dibromochloromethane	21.9		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MS_082022 MS Lab Sample ID: 410-94417-1 MS

Matrix: Water Lab File ID: YG24X21.D

Analysis Method: 8260C Date Collected: 08/11/2022 12:05

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 16:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	24.2		1.0	0.20
100-41-4	Ethylbenzene	21.5		1.0	0.40
76-13-1	Freon 113	23.6		10	0.30
98-82-8	Isopropylbenzene	21.0		5.0	0.20
79-20-9	Methyl acetate	25.2		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	20.4		1.0	0.20
108-87-2	Methylcyclohexane	21.4		5.0	0.50
75-09-2	Methylene Chloride	22.8		1.0	0.30
100-42-5	Styrene	21.8		5.0	0.30
127-18-4	Tetrachloroethene	23.6		1.0	0.30
108-88-3	Toluene	21.6		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	23.1		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	21.0		1.0	0.20
79-01-6	Trichloroethene	22.3		1.0	0.30
75-69-4	Trichlorofluoromethane	23.7		1.0	0.20
75-01-4	Vinyl chloride	18.4		1.0	0.20
1330-20-7	Xylenes, Total	63.9		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X21.D
Lims ID: 410-94417-A-1 MS
Client ID: FBS010-MS_082022
Sample Type: MS
Inject. Date: 24-Aug-2022 16:33:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-021
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:55:27 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:55:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	2.001	1.989	0.012	99	175590	20.0	24.2	
4 Chloromethane	50	2.196	2.196	0.000	99	178815	20.0	19.3	
5 Vinyl chloride	62	2.305	2.299	0.006	97	167637	20.0	18.4	
6 Butadiene	39	2.318	2.318	0.000	95	240337	20.0	30.6	
8 Bromomethane	94	2.652	2.640	0.012	91	109704	20.0	18.6	
9 Chloroethane	64	2.737	2.725	0.012	100	89280	20.0	19.9	
10 Dichlorofluoromethane	67	2.968	2.962	0.006	97	227718	20.0	19.9	
11 Trichlorofluoromethane	101	3.060	3.048	0.012	67	218639	20.0	23.7	
12 Pentane	43	3.054	3.048	0.006	95	172777	20.0	19.3	
14 Ethyl ether	59	3.260	3.254	0.006	93	83615	19.9	19.8	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.358	3.352	0.006	96	145509	20.0	22.9	
16 Acrolein	56	3.425	3.419	0.006	99	298058	150.0	149.6	
17 1,1-Dichloroethene	96	3.577	3.577	0.000	97	104793	20.0	23.3	
18 Acetone	58	3.589	3.577	0.012	100	277907	250.0	280.2	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.632	3.638	-0.006	93	125551	20.0	23.6	
20 Isopropyl alcohol	45	3.747	3.741	0.006	96	111710	150.0	104.2	
21 Iodomethane	142	3.802	3.790	0.012	100	185342	20.0	22.7	
22 Carbon disulfide	76	3.905	3.899	0.006	99	375173	20.0	23.1	M
24 Methyl acetate	43	4.021	4.015	0.006	98	169790	20.0	25.2	
25 3-Chloro-1-propene	41	4.051	4.051	0.000	88	145605	20.0	20.8	
* 26 t-Butyl alcohol-d10 (IS)	65	4.228	4.222	0.006	99	311619	250.0	250.0	M
27 Methylene Chloride	84	4.240	4.240	0.000	93	121219	20.0	22.8	
28 2-Methyl-2-propanol	59	4.356	4.349	0.007	98	281032	200.0	168.2	
29 Acrylonitrile	53	4.562	4.550	0.012	99	388011	100.0	107.8	
31 Methyl tert-butyl ether	73	4.666	4.654	0.012	97	326581	20.0	20.4	
32 trans-1,2-Dichloroethene	96	4.672	4.672	0.000	98	108389	20.0	23.1	
33 Hexane	57	5.104	5.092	0.012	95	141560	20.0	19.6	
35 1,1-Dichloroethane	63	5.323	5.317	0.006	96	188468	20.0	21.9	
36 Isopropyl ether	45	5.384	5.378	0.006	91	303238	20.0	19.3	
38 2-Chloro-1,3-butadiene	53	5.432	5.432	0.000	92	151967	20.0	22.9	
39 Tert-butyl ethyl ether	59	5.925	5.919	0.006	96	292145	20.0	19.5	
40 2-Butanone (MEK)	43	6.114	6.114	0.000	100	1341586	250.0	264.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	6.156	6.150	0.006	82	123251	20.0	23.9	
43 Propionitrile	54	6.181	6.174	0.007	97	272819	150.0	168.3	
44 2,2-Dichloropropane	77	6.181	6.181	0.000	89	182236	20.0	24.7	
47 Methacrylonitrile	67	6.412	6.406	0.006	92	566598	150.0	163.0	
48 Chlorobromomethane	128	6.497	6.485	0.012	92	63534	20.0	23.8	
49 Tetrahydrofuran	71	6.509	6.509	0.000	92	150486	100.0	115.2	
50 Chloroform	83	6.637	6.637	0.000	94	194164	20.0	23.4	
$ 51 Dibromofluoromethane (Surr)	113	6.856	6.856	0.000	93	186426	50.0	54.4	
52 1,1,1-Trichloroethane	97	6.880	6.880	0.000	99	188710	20.0	24.7	
53 Cyclohexane	56	7.002	7.002	0.000	91	200762	20.0	20.1	
54 1,1-Dichloropropene	75	7.093	7.087	0.006	96	151890	20.0	22.6	
55 Carbon tetrachloride	117	7.099	7.099	0.000	88	169238	20.0	26.8	
56 Isobutyl alcohol	41	7.209	7.209	0.000	92	247618	500.0	448.8	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.312	7.312	0.000	93	46405	50.0	52.7	
58 Benzene	78	7.355	7.349	0.006	97	452940	20.0	22.2	
60 1,2-Dichloroethane	62	7.422	7.422	0.000	98	160019	20.0	23.7	
61 Tert-amyl methyl ether	73	7.543	7.543	0.000	97	299514	20.0	20.3	
* 62 Fluorobenzene (IS)	96	7.756	7.756	0.000	98	714038	50.0	50.0	
63 n-Heptane	43	7.781	7.774	0.007	84	160050	20.0	19.4	
65 n-Butanol	56	8.091	8.097	-0.006	90	443270	1000.0	925.5	
66 Trichloroethene	95	8.243	8.243	0.000	98	113162	20.0	22.3	
67 Methylcyclohexane	83	8.565	8.565	0.000	92	215722	20.0	21.4	
68 1,2-Dichloropropane	63	8.571	8.571	0.000	75	115831	20.0	21.2	
69 2-ethoxy-2-methyl butane	87	8.584	8.578	0.006	90	147736	20.0	21.7	
70 Methyl methacrylate	69	8.651	8.651	0.001	90	100236	20.0	20.5	
71 1,4-Dioxane	88	8.657	8.657	0.000	67	69236	500.0	433.1	
72 Dibromomethane	93	8.687	8.687	0.000	96	78095	20.0	22.4	
74 Dichlorobromomethane	83	8.918	8.918	0.000	99	141135	20.0	22.6	
75 2-Nitropropane	41	9.162	9.162	0.000	98	46679	20.0	22.9	
76 2-Chloroethyl vinyl ether	63		9.277				ND	ND	
77 cis-1,3-Dichloropropene	75	9.460	9.460	0.000	96	152716	20.0	19.0	
78 4-Methyl-2-pentanone (MIBK)	43	9.618	9.618	0.000	97	2632086	250.0	269.0	
$ 79 Toluene-d8 (Surr)	98	9.776	9.776	0.000	93	724581	50.0	50.5	
80 Toluene	92	9.855	9.849	0.006	98	271978	20.0	21.6	
102 trans-1,3-Dichloropropene	75	10.105	10.098	0.006	93	151218	20.0	21.0	
103 Ethyl methacrylate	69	10.159	10.159	0.000	90	145705	20.0	18.7	
104 1,1,2-Trichloroethane	97	10.305	10.305	0.000	91	105192	20.0	21.6	
105 Tetrachloroethene	166	10.409	10.409	0.000	91	121160	20.0	23.6	
106 1,3-Dichloropropane	76	10.470	10.470	0.000	91	169676	20.0	20.9	
108 2-Hexanone	43	10.506	10.512	-0.006	97	1939526	250.0	290.7	
110 Chlorodibromomethane	129	10.689	10.689	0.001	89	115408	20.0	21.9	
111 Ethylene Dibromide	107	10.804	10.804	0.000	98	111241	20.0	21.4	
* 112 Chlorobenzene-d5 (IS)	117	11.236	11.230	0.006	86	538555	50.0	50.0	
113 1-Chlorohexane	91	11.236	11.236	0.000	96	133459	20.0	19.8	
115 Chlorobenzene	112	11.260	11.260	0.000	95	315567	20.0	21.5	
116 1,1,1,2-Tetrachloroethane	131	11.339	11.339	0.000	95	120817	20.0	22.5	
117 Ethylbenzene	91	11.346	11.346	0.000	98	534441	20.0	21.5	
118 m-Xylene & p-Xylene	106	11.461	11.461	0.000	100	422942	40.0	43.6	
119 o-Xylene	106	11.790	11.790	0.000	96	205114	20.0	20.3	
120 Styrene	104	11.802	11.802	0.000	95	330820	20.0	21.8	
121 Bromoform	173	11.966	11.966	0.000	96	85525	20.0	21.4	
122 Isopropylbenzene	105	12.088	12.088	0.000	96	557748	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 Cyclohexanone	55	12.161	12.161	0.000	92	221583	500.1	340.4	
$ 125 4-Bromofluorobenzene (Surr)	95	12.234	12.234	0.000	88	274829	50.0	50.9	
126 1,1,2,2-Tetrachloroethane	83	12.325	12.325	0.000	94	203095	20.0	19.2	
127 trans-1,4-Dichloro-2-butene	53	12.349	12.349	0.000	81	179027	100.0	63.1	
128 Bromobenzene	156	12.355	12.349	0.006	90	138835	20.0	21.4	
129 1,2,3-Trichloropropane	110	12.374	12.374	0.000	83	63883	20.0	21.1	
130 N-Propylbenzene	91	12.416	12.416	0.000	99	693872	20.0	20.9	
131 2-Chlorotoluene	126	12.495	12.495	0.000	97	141737	20.0	20.3	
132 1,3,5-Trimethylbenzene	105	12.550	12.550	0.000	93	496248	20.0	20.0	
133 4-Chlorotoluene	126	12.587	12.587	0.000	98	141216	20.0	20.8	
135 tert-Butylbenzene	134	12.793	12.793	0.000	93	91139	20.0	19.3	
137 1,2,4-Trimethylbenzene	105	12.836	12.836	0.000	98	504892	20.0	20.0	
138 sec-Butylbenzene	105	12.958	12.958	0.000	95	643502	20.0	20.0	
139 1,3-Dichlorobenzene	146	13.061	13.061	0.000	97	279871	20.0	21.0	
140 4-Isopropyltoluene	119	13.067	13.067	0.000	97	554566	20.0	20.1	
* 141 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	336603	50.0	50.0	
142 1,4-Dichlorobenzene	146	13.140	13.134	0.006	94	292153	20.0	20.8	
143 1,2,3-Trimethylbenzene	105	13.140	13.140	0.000	98	537392	20.0	19.8	
144 Benzyl chloride	91	13.207	13.207	0.000	98	359847	20.0	20.2	
145 1,3-Diethylbenzene	119	13.268	13.268	0.000	95	330617	20.0	19.7	
146 p-Diethylbenzene	119	13.341	13.341	0.000	94	355491	20.0	20.1	
147 n-Butylbenzene	92	13.359	13.359	0.000	96	287968	20.0	20.0	
148 1,2-Dichlorobenzene	146	13.396	13.396	0.000	99	289625	20.0	20.3	
149 o-diethylbenzene	119	13.414	13.414	0.000	95	293702	20.0	19.4	
151 1,2-Dibromo-3-Chloropropane	75	13.937	13.937	0.000	83	56653	20.0	17.5	
152 1,3,5-Trichlorobenzene	180	14.071	14.071	0.000	97	216162	20.0	18.6	
153 1,2,4-Trichlorobenzene	180	14.491	14.491	0.000	94	193134	20.0	16.7	
154 Hexachlorobutadiene	225	14.570	14.570	0.000	98	86599	20.0	18.9	
155 Naphthalene	128	14.673	14.673	0.000	97	665284	20.0	15.9	
156 1,2,3-Trichlorobenzene	180	14.813	14.813	0.000	95	200581	20.0	16.4	
157 2-Methylnaphthalene	142	15.458	15.452	0.006	92	267993	20.0	11.1	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_CYC_00002	Amount Added: 21.50	Units: uL	
MSV_LCS_Gases_00101	Amount Added: 21.50	Units: uL	
MSV_LCS_VOC#1_00069	Amount Added: 21.50	Units: uL	
MSV_LCS_2CEVE_00074	Amount Added: 21.50	Units: uL	
MSV_LCS_ACROL_00072	Amount Added: 21.50	Units: uL	
MSV_LCS_EE_00003	Amount Added: 21.50	Units: uL	
MSV_HP20_ISSS_00083	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2022 10:55:27 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X21.D

Injection Date: 24-Aug-2022 16:33:30 Instrument ID: 9355 Operator ID: CLM27445

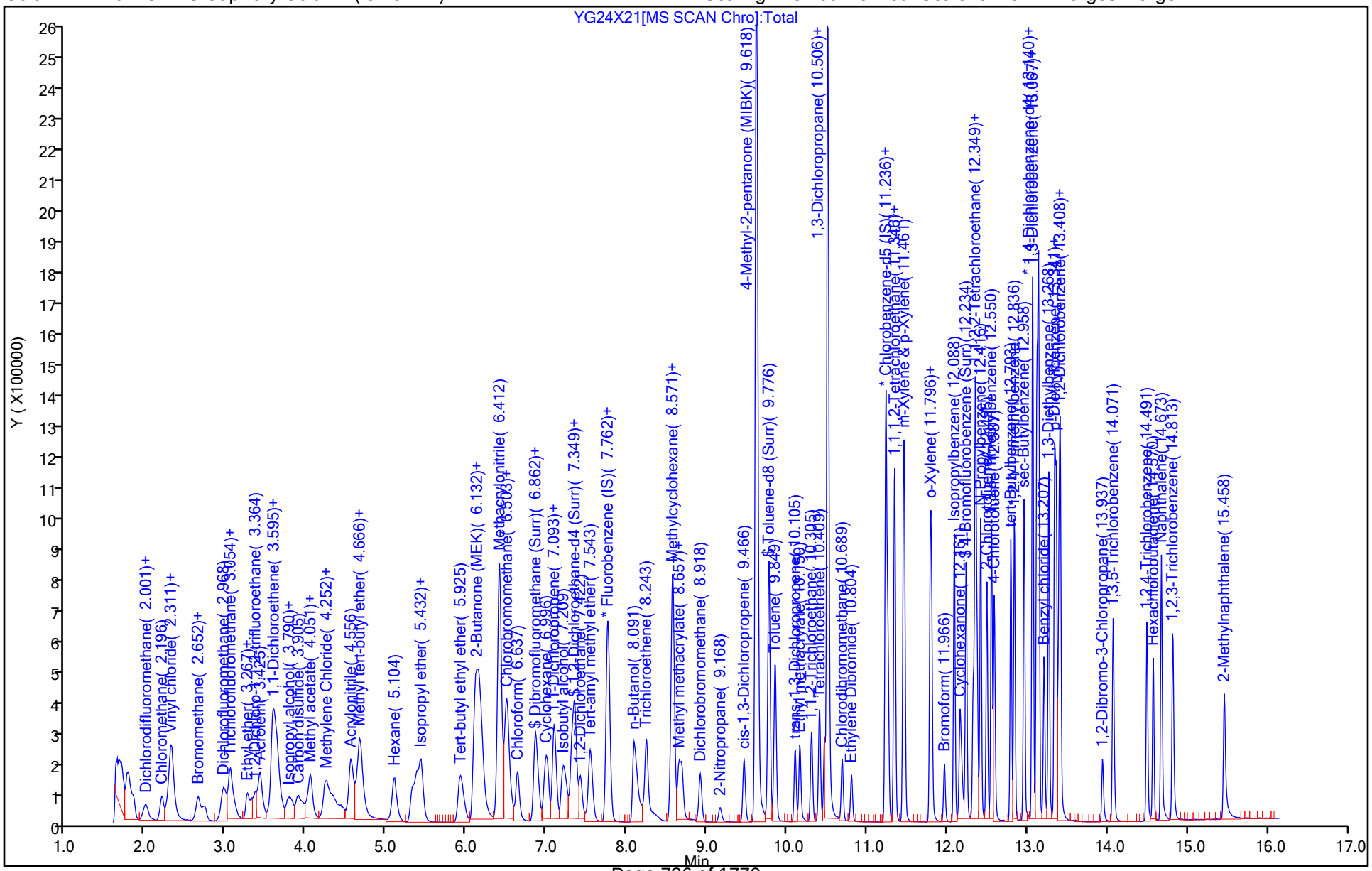
Lims ID: 410-94417-A-1 MS Worklist Smp#: 21

Client ID: FBS010-MS_082022

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 21

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X21.D
Lims ID: 410-94417-A-1 MS
Client ID: FBS010-MS_082022
Sample Type: MS
Inject. Date: 24-Aug-2022 16:33:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-021
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:55:27 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:55:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	54.4	108.80
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	52.7	105.39
$ 79 Toluene-d8 (Surr)	50.0	50.5	101.07
$ 125 4-Bromofluorobenzene (Surr)	50.0	50.9	101.88

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

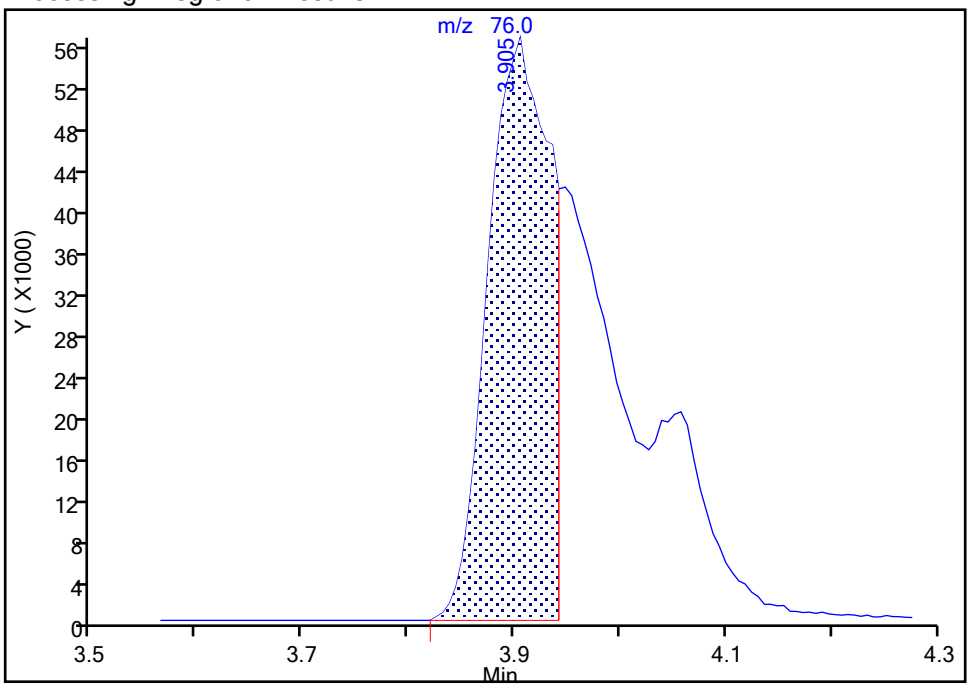
Data File:	\\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X21.D				
Injection Date:	24-Aug-2022 16:33:30	Instrument ID:	9355		
Lims ID:	410-94417-A-1 MS				
Client ID:	FBS010-MS_082022				
Operator ID:	CLM27445	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

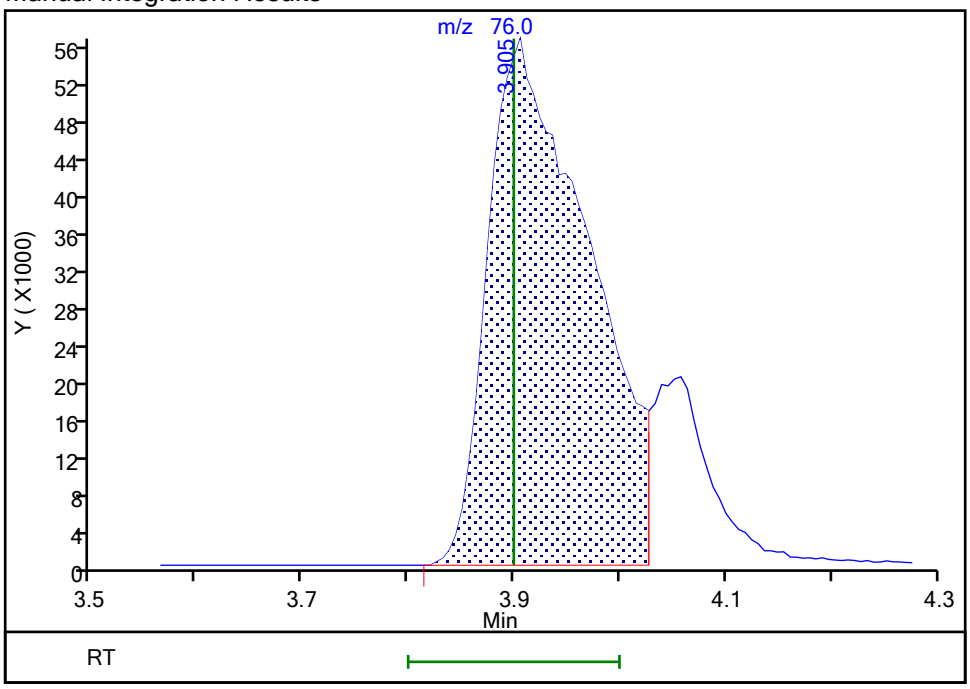
Processing Integration Results

RT: 3.91
Area: 232097
Amount: 14.265560
Amount Units: ug/l



Manual Integration Results

RT: 3.91
Area: 375173
Amount: 23.059552
Amount Units: ug/l



Reviewer: pongsawatp, 25-Aug-2022 10:54:44
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

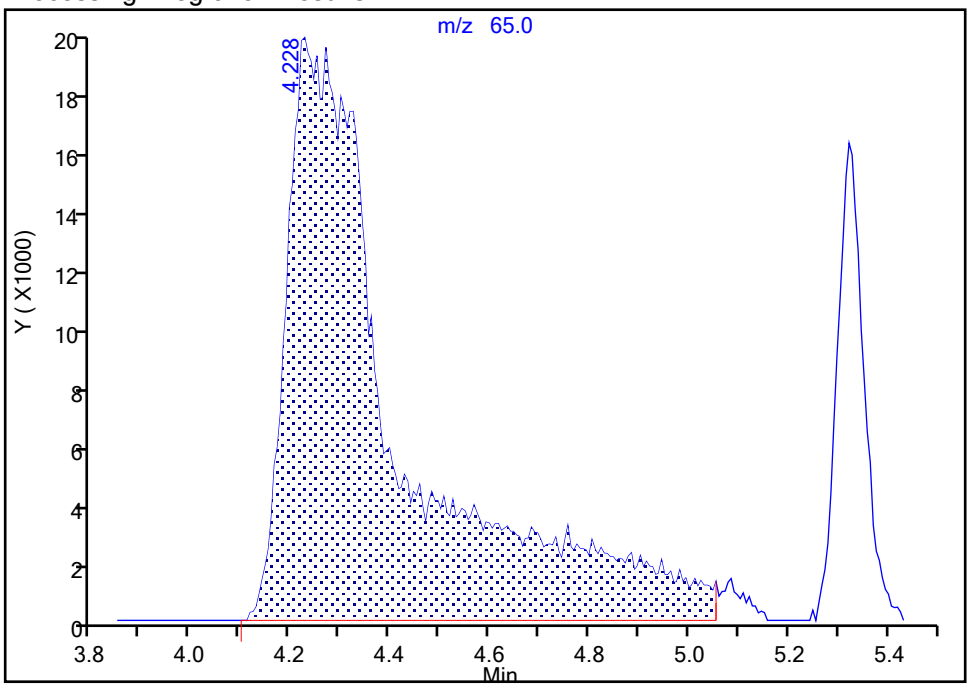
Data File:	\\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X21.D				
Injection Date:	24-Aug-2022 16:33:30	Instrument ID:	9355		
Lims ID:	410-94417-A-1 MS				
Client ID:	FBS010-MS_082022				
Operator ID:	CLM27445	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

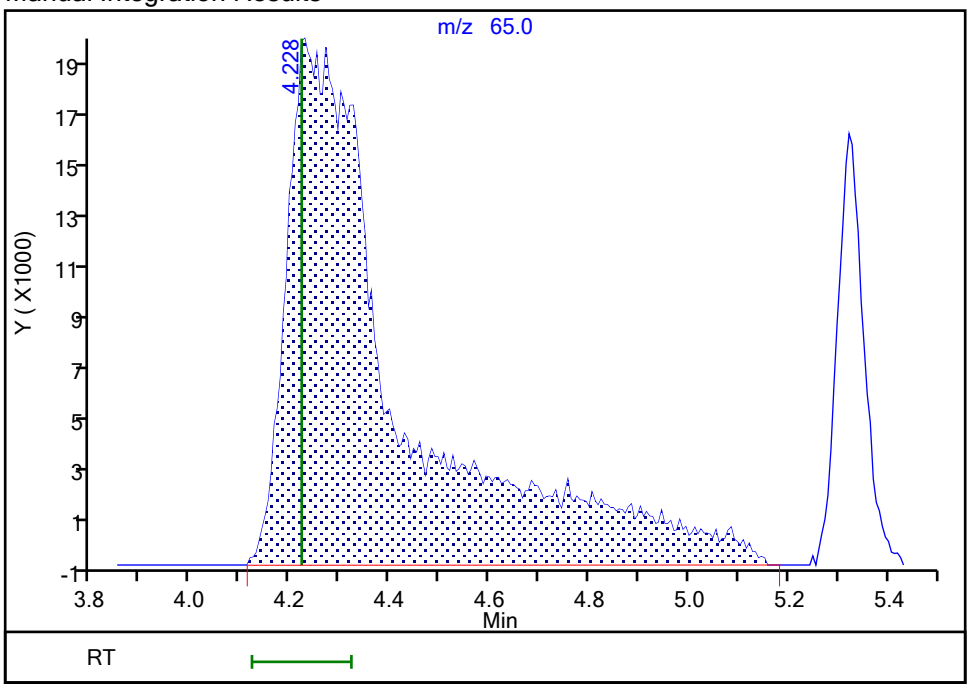
Processing Integration Results

RT: 4.23
Area: 306906
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.23
Area: 311619
Amount: 250.0000
Amount Units: ug/l



Reviewer: pongsawatp, 25-Aug-2022 10:53:32

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MSD_082022 MSD Lab Sample ID: 410-94417-1 MSD

Matrix: Water Lab File ID: YG24X22.D

Analysis Method: 8260C Date Collected: 08/11/2022 12:05

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 16:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.7		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1.0	0.30
79-00-5	1,1,2-Trichloroethane	20.6		1.0	0.30
75-34-3	1,1-Dichloroethane	21.2		1.0	0.30
75-35-4	1,1-Dichloroethene	22.6		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	17.1		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	19.4		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	16.6		5.0	0.30
106-93-4	1,2-Dibromoethane	20.7		1.0	0.20
95-50-1	1,2-Dichlorobenzene	19.7		5.0	0.20
107-06-2	1,2-Dichloroethane	22.5		1.0	0.30
78-87-5	1,2-Dichloropropane	20.2		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	19.3		5.0	0.30
541-73-1	1,3-Dichlorobenzene	20.1		5.0	0.68
106-46-7	1,4-Dichlorobenzene	19.8		5.0	0.30
78-93-3	2-Butanone	253		10	0.50
591-78-6	2-Hexanone	275		10	0.85
108-10-1	4-Methyl-2-pentanone	254		10	0.50
67-64-1	Acetone	277		20	0.70
71-43-2	Benzene	21.2		1.0	0.30
75-27-4	Bromodichloromethane	21.5		1.0	0.20
75-25-2	Bromoform	20.3		4.0	1.0
74-83-9	Bromomethane	17.1		1.0	0.30
75-15-0	Carbon disulfide	21.5		5.0	0.30
56-23-5	Carbon tetrachloride	25.7		1.0	0.30
108-90-7	Chlorobenzene	20.6		1.0	0.30
75-00-3	Chloroethane	19.3		1.0	0.20
67-66-3	Chloroform	22.4		1.0	0.30
74-87-3	Chloromethane	18.1		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	22.7		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.0		1.0	0.20
110-82-7	Cyclohexane	19.2		5.0	1.0
124-48-1	Dibromochloromethane	20.9		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MSD_082022 MSD Lab Sample ID: 410-94417-1 MSD

Matrix: Water Lab File ID: YG24X22.D

Analysis Method: 8260C Date Collected: 08/11/2022 12:05

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2022 16:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

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

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

Analysis Batch No.: 289040 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	23.2		1.0	0.20
100-41-4	Ethylbenzene	20.5		1.0	0.40
76-13-1	Freon 113	22.6		10	0.30
98-82-8	Isopropylbenzene	20.4		5.0	0.20
79-20-9	Methyl acetate	18.7		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	19.7		1.0	0.20
108-87-2	Methylcyclohexane	20.4		5.0	0.50
75-09-2	Methylene Chloride	22.0		1.0	0.30
100-42-5	Styrene	20.4		5.0	0.30
127-18-4	Tetrachloroethene	22.4		1.0	0.30
108-88-3	Toluene	20.6		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	22.0		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	20.1		1.0	0.20
79-01-6	Trichloroethene	21.5		1.0	0.30
75-69-4	Trichlorofluoromethane	22.1		1.0	0.20
75-01-4	Vinyl chloride	17.9		1.0	0.20
1330-20-7	Xylenes, Total	60.8		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X22.D
Lims ID: 410-94417-A-1 MSD
Client ID: FBS010-MSD_082022
Sample Type: MSD
Inject. Date: 24-Aug-2022 16:55:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-022
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:56:41 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:56:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.989	1.989	0.000	99	180033	20.0	23.2	
4 Chloromethane	50	2.202	2.196	0.006	98	178682	20.0	18.1	
5 Vinyl chloride	62	2.311	2.299	0.012	98	173905	20.0	17.9	
6 Butadiene	39	2.324	2.318	0.006	93	234622	20.0	28.1	
8 Bromomethane	94	2.646	2.640	0.006	91	107300	20.0	17.1	
9 Chloroethane	64	2.737	2.725	0.012	99	92411	20.0	19.3	
10 Dichlorofluoromethane	67	2.981	2.962	0.019	97	233000	20.0	19.1	
11 Trichlorofluoromethane	101	3.041	3.048	-0.007	83	217711	20.0	22.1	
12 Pentane	43	3.054	3.048	0.006	96	170671	20.0	17.9	
14 Ethyl ether	59	3.267	3.254	0.013	91	87307	19.9	19.4	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.370	3.352	0.018	92	149662	20.0	22.1	
16 Acrolein	56	3.431	3.419	0.012	99	305605	150.0	142.2	
17 1,1-Dichloroethene	96	3.589	3.577	0.012	75	108101	20.0	22.6	
18 Acetone	58	3.595	3.577	0.018	100	296184	250.0	276.8	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.638	3.638	0.000	92	127791	20.0	22.6	
20 Isopropyl alcohol	45	3.765	3.741	0.024	96	138823	150.0	120.1	
21 Iodomethane	142	3.820	3.790	0.030	99	190502	20.0	21.9	
22 Carbon disulfide	76	3.911	3.899	0.012	99	371949	20.0	21.5	
24 Methyl acetate	43	4.027	4.015	0.012	97	134210	20.0	18.7	
25 3-Chloro-1-propene	41	4.057	4.051	0.006	88	157232	20.0	21.0	
* 26 t-Butyl alcohol-d10 (IS)	65	4.240	4.222	0.018	98	336192	250.0	250.0	M
27 Methylene Chloride	84	4.246	4.240	0.006	92	124831	20.0	22.0	
28 2-Methyl-2-propanol	59	4.368	4.349	0.019	96	371406	200.0	206.1	
29 Acrylonitrile	53	4.562	4.550	0.012	98	399206	100.0	104.1	
31 Methyl tert-butyl ether	73	4.672	4.654	0.018	96	337212	20.0	19.7	
32 trans-1,2-Dichloroethene	96	4.678	4.672	0.006	98	110123	20.0	22.0	
33 Hexane	57	5.104	5.092	0.012	94	140446	20.0	18.2	
35 1,1-Dichloroethane	63	5.329	5.317	0.012	96	194167	20.0	21.2	
36 Isopropyl ether	45	5.390	5.378	0.012	94	310633	20.0	18.5	
38 2-Chloro-1,3-butadiene	53	5.438	5.432	0.006	91	158794	20.0	22.4	
39 Tert-butyl ethyl ether	59	5.931	5.919	0.012	96	303101	20.0	19.0	
40 2-Butanone (MEK)	43	6.120	6.114	0.006	100	1368075	250.0	252.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	6.156	6.150	0.006	82	125173	20.0	22.7	
43 Propionitrile	54	6.193	6.174	0.019	97	289029	150.0	165.3	
44 2,2-Dichloropropane	77	6.187	6.181	0.006	78	187591	20.0	23.9	
47 Methacrylonitrile	67	6.418	6.406	0.012	92	570098	150.0	153.9	
48 Chlorobromomethane	128	6.497	6.485	0.012	92	64505	20.0	22.6	
49 Tetrahydrofuran	71	6.515	6.509	0.006	92	152708	100.0	108.4	
50 Chloroform	83	6.637	6.637	0.000	93	197600	20.0	22.4	
$ 51 Dibromofluoromethane (Surr)	113	6.856	6.856	0.000	93	196015	50.0	53.7	
52 1,1,1-Trichloroethane	97	6.886	6.880	0.006	98	192740	20.0	23.7	
53 Cyclohexane	56	7.002	7.002	0.000	92	205148	20.0	19.2	
54 1,1-Dichloropropene	75	7.093	7.087	0.006	98	152555	20.0	21.3	
55 Carbon tetrachloride	117	7.105	7.099	0.006	97	173117	20.0	25.7	
56 Isobutyl alcohol	41	7.215	7.209	0.006	93	288723	500.0	485.1	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.324	7.312	0.012	98	49388	50.0	52.6	
58 Benzene	78	7.355	7.349	0.006	97	460486	20.0	21.2	
60 1,2-Dichloroethane	62	7.428	7.422	0.006	97	161699	20.0	22.5	
61 Tert-amyl methyl ether	73	7.543	7.543	0.000	97	304334	20.0	19.4	
* 62 Fluorobenzene (IS)	96	7.762	7.756	0.006	98	760963	50.0	50.0	
63 n-Heptane	43	7.774	7.774	0.000	85	158239	20.0	18.0	
65 n-Butanol	56	8.097	8.097	0.000	91	464394	1000.0	898.7	
66 Trichloroethene	95	8.249	8.243	0.006	99	116367	20.0	21.5	
67 Methylcyclohexane	83	8.565	8.565	0.000	95	219461	20.0	20.4	
68 1,2-Dichloropropane	63	8.578	8.571	0.007	79	118116	20.0	20.2	
69 2-ethoxy-2-methyl butane	87	8.584	8.578	0.006	92	151839	20.0	21.0	
70 Methyl methacrylate	69	8.651	8.651	0.001	92	96736	20.0	18.6	
71 1,4-Dioxane	88	8.663	8.657	0.006	46	76514	500.0	443.7	
72 Dibromomethane	93	8.693	8.687	0.006	96	77938	20.0	21.0	
74 Dichlorobromomethane	83	8.924	8.918	0.006	99	142990	20.0	21.5	
75 2-Nitropropane	41	9.168	9.162	0.006	97	45983	20.0	20.9	
76 2-Chloroethyl vinyl ether	63		9.277				ND	ND	
77 cis-1,3-Dichloropropene	75	9.466	9.460	0.006	96	154233	20.0	18.0	
78 4-Methyl-2-pentanone (MIBK)	43	9.624	9.618	0.006	97	2652679	250.0	254.4	
$ 79 Toluene-d8 (Surr)	98	9.776	9.776	0.000	94	770654	50.0	50.7	
80 Toluene	92	9.855	9.849	0.006	98	275439	20.0	20.6	
102 trans-1,3-Dichloropropene	75	10.105	10.098	0.006	93	153235	20.0	20.1	
103 Ethyl methacrylate	69	10.165	10.159	0.006	89	151721	20.0	18.3	
104 1,1,2-Trichloroethane	97	10.311	10.305	0.006	91	106194	20.0	20.6	
105 Tetrachloroethene	166	10.409	10.409	0.000	96	121940	20.0	22.4	
106 1,3-Dichloropropane	76	10.470	10.470	0.000	91	171489	20.0	19.9	
108 2-Hexanone	43	10.512	10.512	0.000	97	1945388	250.0	275.1	
110 Chlorodibromomethane	129	10.689	10.689	0.001	89	116927	20.0	20.9	
111 Ethylene Dibromide	107	10.804	10.804	0.000	98	114206	20.0	20.7	
* 112 Chlorobenzene-d5 (IS)	117	11.236	11.230	0.006	87	570878	50.0	50.0	
113 1-Chlorohexane	91	11.242	11.236	0.006	96	136446	20.0	19.0	
115 Chlorobenzene	112	11.260	11.260	0.000	95	320443	20.0	20.6	
116 1,1,1,2-Tetrachloroethane	131	11.339	11.339	0.000	96	119920	20.0	21.1	
117 Ethylbenzene	91	11.346	11.346	0.000	98	540670	20.0	20.5	
118 m-Xylene & p-Xylene	106	11.461	11.461	0.000	100	426239	40.0	41.5	
119 o-Xylene	106	11.790	11.790	0.000	97	207175	20.0	19.3	
120 Styrene	104	11.808	11.802	0.006	94	327890	20.0	20.4	
121 Bromoform	173	11.966	11.966	0.000	96	86036	20.0	20.3	
122 Isopropylbenzene	105	12.088	12.088	0.000	96	572730	20.0	20.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 Cyclohexanone	55	12.161	12.161	0.000	93	230301	500.1	328.0	
$ 125 4-Bromofluorobenzene (Surr)	95	12.234	12.234	0.000	88	289460	50.0	50.6	
126 1,1,2,2-Tetrachloroethane	83	12.325	12.325	0.000	94	203014	20.0	18.2	
127 trans-1,4-Dichloro-2-butene	53	12.349	12.349	0.000	84	193420	100.0	64.6	
128 Bromobenzene	156	12.355	12.349	0.006	90	139524	20.0	20.4	
129 1,2,3-Trichloropropane	110	12.374	12.374	0.000	82	63113	20.0	19.7	
130 N-Propylbenzene	91	12.416	12.416	0.000	99	698538	20.0	19.9	
131 2-Chlorotoluene	126	12.495	12.495	0.000	97	144631	20.0	19.6	
132 1,3,5-Trimethylbenzene	105	12.556	12.550	0.006	94	504891	20.0	19.3	
133 4-Chlorotoluene	126	12.587	12.587	0.000	97	143253	20.0	20.0	
135 tert-Butylbenzene	134	12.793	12.793	0.000	93	94485	20.0	19.0	
137 1,2,4-Trimethylbenzene	105	12.836	12.836	0.000	98	517545	20.0	19.4	
138 sec-Butylbenzene	105	12.958	12.958	0.000	95	661638	20.0	19.5	
139 1,3-Dichlorobenzene	146	13.061	13.061	0.000	97	282157	20.0	20.1	
140 4-Isopropyltoluene	119	13.067	13.067	0.000	97	567415	20.0	19.4	
* 141 1,4-Dichlorobenzene-d4	152	13.122	13.122	0.000	95	355309	50.0	50.0	
142 1,4-Dichlorobenzene	146	13.134	13.134	0.000	91	292958	20.0	19.8	
143 1,2,3-Trimethylbenzene	105	13.140	13.140	0.000	98	551134	20.0	19.3	
144 Benzyl chloride	91	13.207	13.207	0.000	99	366528	20.0	19.5	
145 1,3-Diethylbenzene	119	13.268	13.268	0.000	95	341313	20.0	19.2	
146 p-Diethylbenzene	119	13.341	13.341	0.000	95	361118	20.0	19.3	
147 n-Butylbenzene	92	13.359	13.359	0.000	97	291602	20.0	19.2	
148 1,2-Dichlorobenzene	146	13.396	13.396	0.000	98	296619	20.0	19.7	
149 o-diethylbenzene	119	13.414	13.414	0.000	95	294492	20.0	18.4	
151 1,2-Dibromo-3-Chloropropane	75	13.937	13.937	0.000	84	56715	20.0	16.6	
152 1,3,5-Trichlorobenzene	180	14.071	14.071	0.000	98	227191	20.0	18.5	
153 1,2,4-Trichlorobenzene	180	14.491	14.491	0.000	95	209217	20.0	17.1	
154 Hexachlorobutadiene	225	14.570	14.570	0.000	98	92802	20.0	19.2	
155 Naphthalene	128	14.673	14.673	0.000	97	722855	20.0	16.4	
156 1,2,3-Trichlorobenzene	180	14.813	14.813	0.000	95	222494	20.0	17.2	
157 2-Methylnaphthalene	142	15.458	15.452	0.006	92	340741	20.0	13.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_EE_00003	Amount Added: 21.50	Units: uL	
MSV_LCS_CYC_00002	Amount Added: 21.50	Units: uL	
MSV_LCS_Gases_00101	Amount Added: 21.50	Units: uL	
MSV_LCS_VOC#1_00069	Amount Added: 21.50	Units: uL	
MSV_LCS_2CEVE_00074	Amount Added: 21.50	Units: uL	
MSV_LCS_ACROL_00072	Amount Added: 21.50	Units: uL	
MSV_HP20_ISSS_00083	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2022 10:56:42 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X22.D

Injection Date: 24-Aug-2022 16:55:30 Instrument ID: 9355 Operator ID: CLM27445

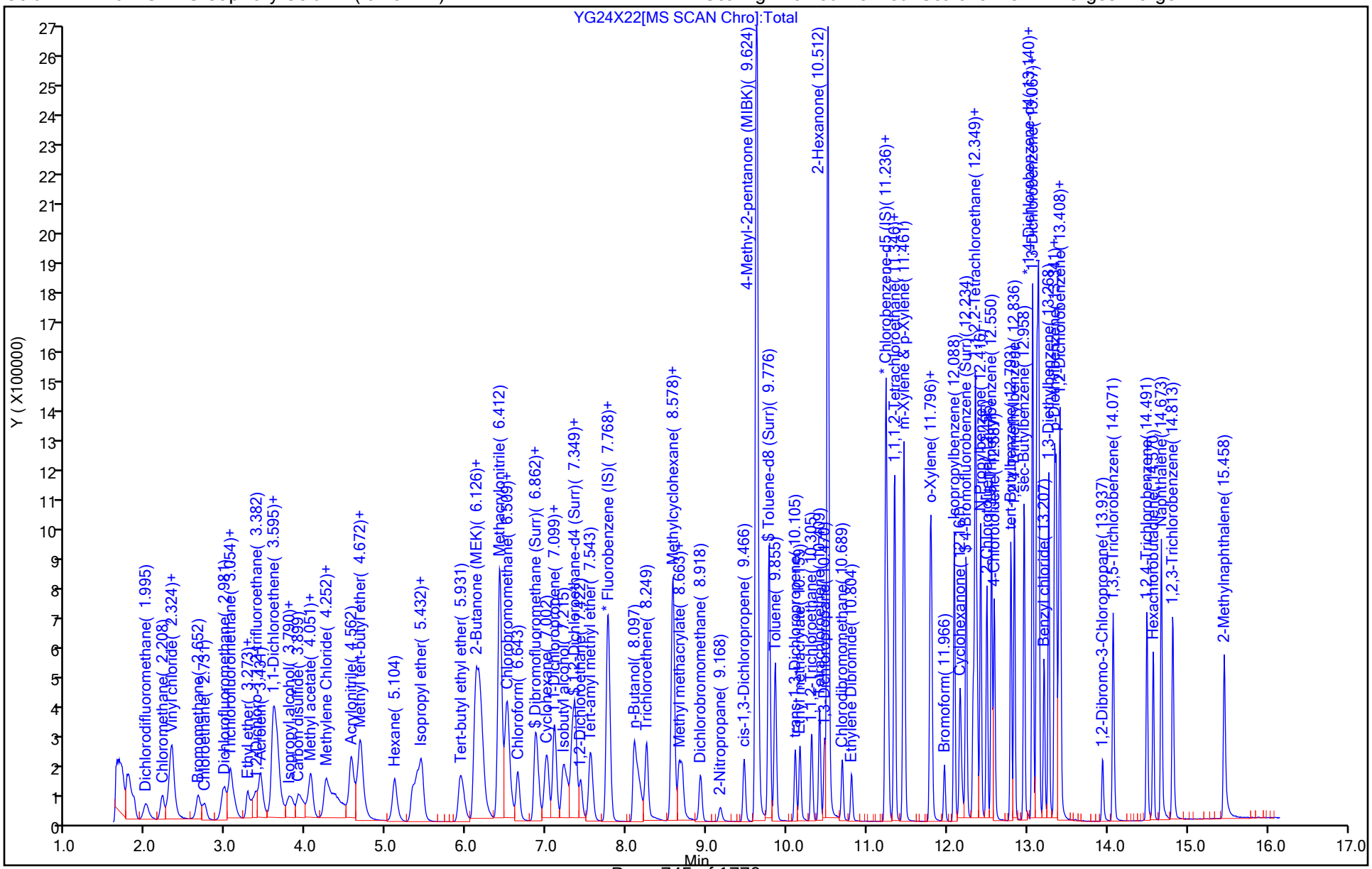
Lims ID: 410-94417-A-1 MSD Worklist Smp#: 22

Client ID: FBS010-MSD_082022

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 22

Method: MSVoa_9355 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X22.D
Lims ID: 410-94417-A-1 MSD
Client ID: FBS010-MSD_082022
Sample Type: MSD
Inject. Date: 24-Aug-2022 16:55:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0064841-022
Operator ID: CLM27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20220824-64841.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 25-Aug-2022 10:56:41 Calib Date: 07-Jun-2022 17:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20220607-58956.b\YU07X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: pongsawatp Date: 25-Aug-2022 10:56:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	53.7	107.34
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	52.6	105.25
$ 79 Toluene-d8 (Surr)	50.0	50.7	101.41
$ 125 4-Bromofluorobenzene (Surr)	50.0	50.6	101.23

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

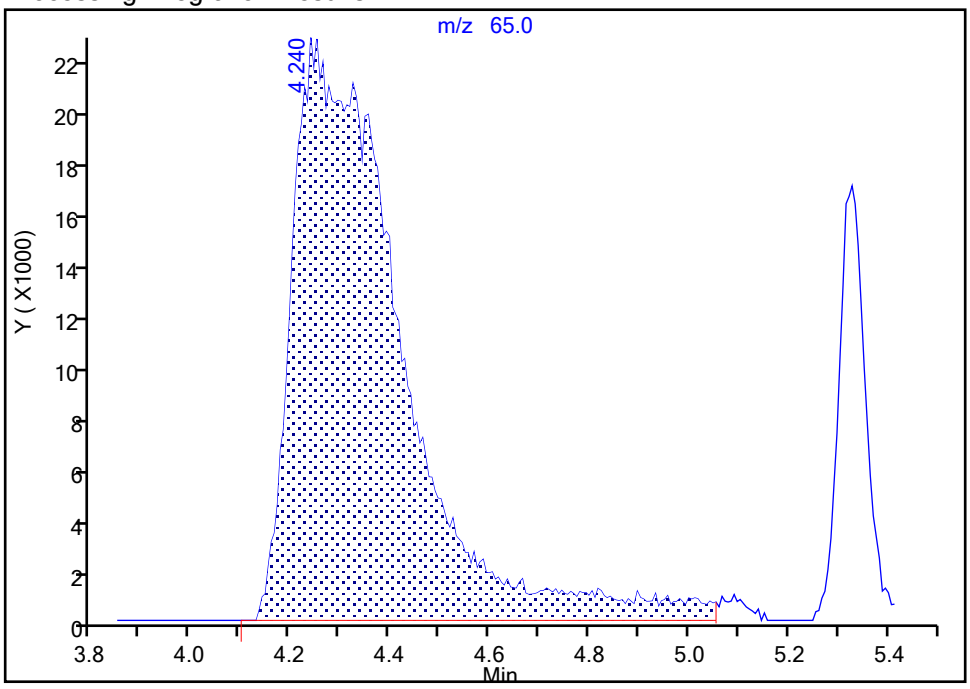
Data File:	\\chromfs\Lancaster\ChromData\9355\20220824-64841.b\YG24X22.D				
Injection Date:	24-Aug-2022 16:55:30	Instrument ID:	9355		
Lims ID:	410-94417-A-1 MSD				
Client ID:	FBS010-MSD_082022				
Operator ID:	CLM27445	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

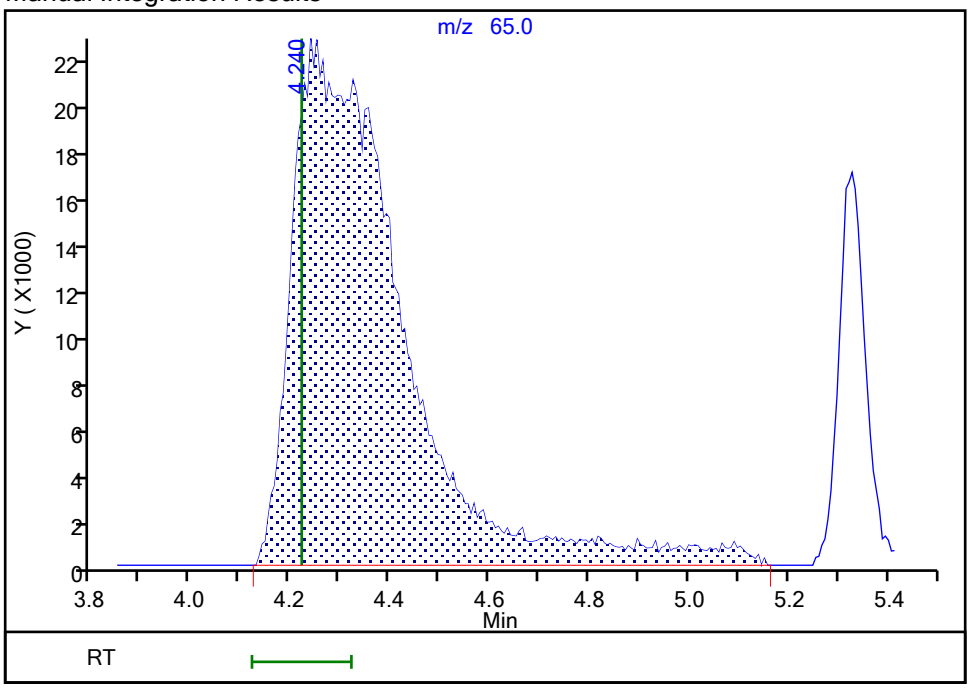
Processing Integration Results

RT: 4.24
Area: 332921
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.24
Area: 336192
Amount: 250.0000
Amount Units: ug/l



Reviewer: pongsawatp, 25-Aug-2022 10:55:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: 9355 Start Date: 06/07/2022 14:38

Analysis Batch Number: 262892 End Date: 06/07/2022 18:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-262892/1		06/07/2022 14:38	1	YU07T01.D	R-624SilMS 30m 0.25(mm)
IC 410-262892/18		06/07/2022 15:15	1	YU07X12.D	R-624SilMS 30m 0.25(mm)
IC 410-262892/17		06/07/2022 15:37	1	YU07X13.D	R-624SilMS 30m 0.25(mm)
ICIS 410-262892/16		06/07/2022 16:00	1	YU07X14.D	R-624SilMS 30m 0.25(mm)
IC 410-262892/15		06/07/2022 16:22	1	YU07X15.D	R-624SilMS 30m 0.25(mm)
IC 410-262892/14		06/07/2022 16:44	1	YU07X16.D	R-624SilMS 30m 0.25(mm)
IC 410-262892/13		06/07/2022 17:06	1	YU07X17.D	R-624SilMS 30m 0.25(mm)
IC 410-262892/12		06/07/2022 17:28	1	YU07X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-262892/20		06/07/2022 18:12	1	YU07X20.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: 9355 Start Date: 08/24/2022 08:33

Analysis Batch Number: 289040 End Date: 08/24/2022 18:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-289040/1		08/24/2022 08:33	1	YG24T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-289040/3		08/24/2022 09:26	1	YG24X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-289040/4		08/24/2022 09:48	1	YG24X03.D	R-624SilMS 30m 0.25(mm)
LCSD 410-289040/5		08/24/2022 10:10	1	YG24X04.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 10:33	1		R-624SilMS 30m 0.25(mm)
MB 410-289040/7		08/24/2022 10:55	1	YG24X06.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 11:24	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 11:46	1		R-624SilMS 30m 0.25(mm)
410-94417-4	FB-01_082022	08/24/2022 12:08	1	YG24X09.D	R-624SilMS 30m 0.25(mm)
410-94417-5	Trip Blank	08/24/2022 12:30	1	YG24X10.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 12:52	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 13:14	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 13:36	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 13:58	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 14:21	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 14:43	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 15:05	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 15:27	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 15:48	1		R-624SilMS 30m 0.25(mm)
410-94417-1	FBS010_082022	08/24/2022 16:10	1	YG24X20.D	R-624SilMS 30m 0.25(mm)
410-94417-1 MS	FBS010-MS_082022 MS	08/24/2022 16:33	1	YG24X21.D	R-624SilMS 30m 0.25(mm)
410-94417-1 MSD	FBS010-MSD_082022 MSD	08/24/2022 16:55	1	YG24X22.D	R-624SilMS 30m 0.25(mm)
410-94417-2	FBW001_082022	08/24/2022 17:17	1	YG24X23.D	R-624SilMS 30m 0.25(mm)
410-94417-3	DUP-01_082022	08/24/2022 17:39	1	YG24X24.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		08/24/2022 18:01	10		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 262892 Batch Start Date: 06/07/22 14:38 Batch Analyst: Mellinger, Corie M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEE 00416	MSV_CCV_2CEVE 00069	MSV_CCV_CYC 00001
BFB 410-262892/1		8260C		1 uL	1 uL				
IC 410-262892/12		8260C		5 mL	5 mL	2646	12.5 mL		
IC 410-262892/13		8260C		5 mL	5 mL	2646		4 uL	32 uL
IC 410-262892/14		8260C		5 mL	5 mL	2646		2 uL	8 uL
IC 410-262892/15		8260C		5 mL	5 mL	2646		4 uL	16 uL
ICIS 410-262892/16		8260C		5 mL	5 mL	2646		5 uL	10 uL
IC 410-262892/17		8260C		5 mL	5 mL	2646		5 uL	10 uL
IC 410-262892/18		8260C		5 mL	5 mL	2646		15 uL	30 uL
ICV 410-262892/20		8260C		5 mL	5 mL	2646			

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_EE 00003	MSV_CCV_GASES 00251	MSV_CCV_VOC#1 00073	MSV_CCV_VOC#3 00073	MSV_HP20_ISSS 00076	MSV_LCS_2CEVE 00063
BFB 410-262892/1		8260C							
IC 410-262892/12		8260C						1 uL	
IC 410-262892/13		8260C		4 uL	2 uL	4 uL	3.2 uL	1 uL	
IC 410-262892/14		8260C		2 uL	1 uL	2 uL	1.6 uL	1 uL	
IC 410-262892/15		8260C		4 uL	2 uL	4 uL	3.2 uL	1 uL	
ICIS 410-262892/16		8260C		5 uL	2.5 uL	5 uL	4 uL	1 uL	
IC 410-262892/17		8260C		5 uL	2.5 uL	5 uL	4 uL	1 uL	
IC 410-262892/18		8260C		15 uL	7.5 uL	15 uL	12 uL	1 uL	
ICV 410-262892/20		8260C						1 uL	50 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 Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 262892 Batch Start Date: 06/07/22 14:38 Batch Analyst: Mellinger, Corie M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_ACROL 00061	MSV_LCS_CYC 00001	MSV_LCS_EE 00003	MSV_LCS_Gases 00090	MSV_LCS_VOC#1 00058	MSV_V_BFB 00007
BFB 410-262892/1		8260C							1 uL
IC 410-262892/12		8260C							
IC 410-262892/13		8260C							
IC 410-262892/14		8260C							
IC 410-262892/15		8260C							
ICIS 410-262892/16		8260C							
IC 410-262892/17		8260C							
IC 410-262892/18		8260C							
ICV 410-262892/20		8260C		50 uL	50 uL	50 uL	50 uL	50 uL	

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 289040 Batch Start Date: 08/24/22 08:33 Batch Analyst: Mellinger, Corie M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-289040/1		8260C		1 uL	1 uL				
CCVIS 410-289040/3		8260C		5 mL	5 mL				2656
LCS 410-289040/4		8260C		5 mL	5 mL				2656
LCSD 410-289040/5		8260C		5 mL	5 mL				2656
MB 410-289040/7		8260C		5 mL	5 mL				2656
410-94417-A-4	FB-01_082022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-94417-A-5	Trip Blank	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-94417-A-1	FBS010_082022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-94417-A-1 MS	FBS010-MS_082022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-94417-A-1 MSD	FBS010-MSD_082022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-94417-A-2	FBW001_082022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-94417-A-3	DUP-01_082022	8260C	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_2CEVE 00080	MSV_CCV_CYC 00004	MSV_CCV_EE 00003	MSV_CCV_GASES 00258	MSV_CCV_VOC#1 00084	MSV_CCV_VOC#3 00085
BFB 410-289040/1		8260C							
CCVIS 410-289040/3		8260C		5 uL	10 uL	5 uL	2.5 uL	5 uL	4 uL
LCS 410-289040/4		8260C							
LCSD 410-289040/5		8260C							
MB 410-289040/7		8260C							
410-94417-A-4	FB-01_082022	8260C	T						
410-94417-A-5	Trip Blank	8260C	T						
410-94417-A-1	FBS010_082022	8260C	T						
410-94417-A-1 MS	FBS010-MS_082022	8260C	T						
410-94417-A-1 MSD	FBS010-MSD_082022	8260C	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 289040 Batch Start Date: 08/24/22 08:33 Batch Analyst: Mellinger, Corie M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_2CEVE 00080	MSV_CCV_CYC 00004	MSV_CCV_EE 00003	MSV_CCV_GASES 00258	MSV_CCV_VOC#1 00084	MSV_CCV_VOC#3 00085
410-94417-A-2	FBW001_082022	8260C	T						
410-94417-A-3	DUP-01_082022	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_HP20_ISSS 00083	MSV_LCS_2CEVE 00074	MSV_LCS_ACROL 00072	MSV_LCS_CYC 00002	MSV_LCS_EE 00003	MSV_LCS_Gases 00101
BFB 410-289040/1		8260C							
CCVIS 410-289040/3		8260C		1 uL					
LCS 410-289040/4		8260C		1 uL	50 uL	50 uL	50 uL	50 uL	50 uL
LCSD 410-289040/5		8260C		1 uL	50 uL	50 uL	50 uL	50 uL	50 uL
MB 410-289040/7		8260C		1 uL					
410-94417-A-4	FB-01_082022	8260C	T	1 uL					
410-94417-A-5	Trip Blank	8260C	T	1 uL					
410-94417-A-1	FBS010_082022	8260C	T	1 uL					
410-94417-A-1 MS	FBS010-MS_082022	8260C	T	1 uL	21.5 uL	21.5 uL	21.5 uL	21.5 uL	21.5 uL
410-94417-A-1 MSD	FBS010-MSD_082022	8260C	T	1 uL	21.5 uL	21.5 uL	21.5 uL	21.5 uL	21.5 uL
410-94417-A-2	FBW001_082022	8260C	T	1 uL					
410-94417-A-3	DUP-01_082022	8260C	T	1 uL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_VOC#1 00069	MSV_V_BFB 00008				
BFB 410-289040/1		8260C			1 uL				
CCVIS 410-289040/3		8260C							
LCS 410-289040/4		8260C		50 uL					
LCSD 410-289040/5		8260C		50 uL					
MB 410-289040/7		8260C							
410-94417-A-4	FB-01_082022	8260C	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 289040 Batch Start Date: 08/24/22 08:33 Batch Analyst: Mellinger, Corie M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_VOC#1 00069	MSV_V_BFB 00008				
410-94417-A-5	Trip Blank	8260C	T						
410-94417-A-1	FBS010_082022	8260C	T						
410-94417-A-1 MS	FBS010-MS_082022	8260C	T	21.5 uL					
410-94417-A-1 MSD	FBS010-MSD_082022	8260C	T	21.5 uL					
410-94417-A-2	FBW001_082022	8260C	T						
410-94417-A-3	DUP-01_082022	8260C	T						

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.

Method 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 20m ID: 0.18(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
FBS010_082022	410-94417-1	47	35	86	71	87	96
FBW001_082022	410-94417-2	43	32	80	66	81	90
DUP-01_082022	410-94417-3	46	35	82	67	91	100
FB-01_082022	410-94417-4	51	40	73	75	97	98
	MB 410-286371/1-A	49	36	71	70	92	95
	MB 410-287252/1-A	46	35	75	69	83	94
	LCS 410-286371/2-A	51	39	78	81	95	101
	LCS 410-287252/2-A	55	44	78	72	88	94
	LCSD 410-286371/3-A	52	40	69	69	81	80
	LCSD 410-287252/3-A	58	45	84	80	96	102
FBS010-MS_082022 MS	410-94417-1 MS	60	48	87	78	95	87
FBS010-MSD_082022 MSD	410-94417-1 MSD	60	48	86	79	90	87

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	10-120
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	25-125
FBP = 2-Fluorobiphenyl (Surr)	44-120
TBP = 2,4,6-Tribromophenol (Surr)	10-150
TPHd14 = p-Terphenyl-d14 (Surr)	37-120

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LH1653.D

Lab ID: LCS 410-286371/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	50.0	42	85	62-120	
2,4-Dinitrophenol	100	120	121	43-146	
2-Chlorophenol	50.0	39	77	57-120	
Carbazole	50.0	47	95	74-120	
Phenol	50.0	23	45	22-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LH1854.D

Lab ID: LCS 410-287252/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	50.0	47	94	62-120	
2,4-Dinitrophenol	100	120	117	43-146	
2-Chlorophenol	50.0	41	82	57-120	
Carbazole	50.0	47	95	74-120	
Phenol	50.0	27	53	22-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LH1654.D

Lab ID: LCSD 410-286371/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dimethylphenol	50.0	38	75	12	30	62-120	
2,4-Dinitrophenol	100	97	97	22	30	43-146	
2-Chlorophenol	50.0	37	75	4	30	57-120	
Carbazole	50.0	43	87	9	30	74-120	
Phenol	50.0	24	48	6	30	22-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LH1855.D

Lab ID: LCSD 410-287252/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dimethylphenol	50.0	50	100	7	30	62-120	
2,4-Dinitrophenol	100	130	125	7	30	43-146	
2-Chlorophenol	50.0	42	83	1	30	57-120	
Carbazole	50.0	51	103	8	30	74-120	
Phenol	50.0	26	53	1	30	22-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LH1876.D

Lab ID: 410-94417-1 MS Client ID: FBS010-MS_082022 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	52.1	ND	52	99	62-120	
2,4-Dinitrophenol	104	ND	110	108	43-146	
2-Chlorophenol	52.1	ND	44	85	57-120	
Carbazole	52.1	ND	51	98	74-120	
Phenol	52.1	ND	30	57	22-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LH1877.D

Lab ID: 410-94417-1 MSD Client ID: FBS010-MSD_082022 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dimethylphenol	52.9	53	100	2	30	62-120	
2,4-Dinitrophenol	106	110	104	2	30	43-146	
2-Chlorophenol	52.9	43	82	3	30	57-120	
Carbazole	52.9	51	97	0	30	74-120	
Phenol	52.9	31	59	5	30	22-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Lab File ID: LH1652.D Lab Sample ID: MB 410-286371/1-A

Matrix: Water Date Extracted: 08/16/2022 09:10

Instrument ID: HP20296 Date Analyzed: 08/16/2022 15:51

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-286371/2-A	LH1653.D	08/16/2022 16:12
	LCSD 410-286371/3-A	LH1654.D	08/16/2022 16:32
FB-01_082022	410-94417-4	LH1673.D	08/16/2022 23:11

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Lab File ID: LH1853.D Lab Sample ID: MB 410-287252/1-A

Matrix: Water Date Extracted: 08/18/2022 09:50

Instrument ID: HP20296 Date Analyzed: 08/18/2022 17:10

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-287252/2-A	LH1854.D	08/18/2022 17:31
	LCSD 410-287252/3-A	LH1855.D	08/18/2022 17:52
FBS010_082022	410-94417-1	LH1875.D	08/19/2022 00:52
FBS010-MS_082022 MS	410-94417-1 MS	LH1876.D	08/19/2022 01:13
FBS010-MSD_082022 MSD	410-94417-1 MSD	LH1877.D	08/19/2022 01:34
FBW001_082022	410-94417-2	LH1878.D	08/19/2022 01:55
DUP-01_082022	410-94417-3	LH1879.D	08/19/2022 02:16

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: LG2210.D DFTPP Injection Date: 07/22/2022

Instrument ID: HP20296 DFTPP Injection Time: 13:35

Analysis Batch No.: 278565

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	41.2	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	49.9	
70	Less than 2% of mass 69	0.0	(0.0) 1
127	10-80% of Base Peak	45.4	
197	Less than 2% of mass 198	0.3	
198	Base peak	100.0	
199	5-9% of mass 198	7.2	
275	10-60% of Base Peak	22.7	
365	Greater than 1% of mass 198	2.7	
441	present but less than 24% of mass 442	16.4	(19.8) 2
442	Greater than 50% of mass 198	82.5	
443	15-24% of mass 442	16.3	(19.7) 2

1-Value is % mass 69 2-Value is % mass 442

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
	ICIS 410-278565/2	LG2211.D	07/22/2022	13:57
	IC 410-278565/3	LG2212.D	07/22/2022	14:18
	IC 410-278565/4	LG2213.D	07/22/2022	14:40
	IC 410-278565/5	LG2214.D	07/22/2022	15:01
	IC 410-278565/6	LG2215.D	07/22/2022	15:23
	IC 410-278565/7	LG2216.D	07/22/2022	15:44
	IC 410-278565/8	LG2217.D	07/22/2022	16:06
	IC 410-278565/9	LG2218.D	07/22/2022	16:27
	ICV 410-278565/12	LG2221.D	07/22/2022	17:31
	ICV 410-278565/13	LG2222.D	07/22/2022	17:53
	ICV 410-278565/14	LG2223.D	07/22/2022	18:14

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: LG2550.D DFTPP Injection Date: 07/25/2022

Instrument ID: HP20296 DFTPP Injection Time: 18:30

Analysis Batch No.: 279302

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	43.4	
68	Less than 2% of mass 69	0.2	(0.5) 1
69	Mass 69 Relative abundance	48.3	
70	Less than 2% of mass 69	0.4	(0.8) 1
127	10-80% of Base Peak	41.4	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	5.7	
275	10-60% of Base Peak	24.3	
365	Greater than 1% of mass 198	3.3	
441	present but less than 24% of mass 442	18.8	(19.1) 2
442	Greater than 50% of mass 198	98.5	
443	15-24% of mass 442	19.9	(20.2) 2

1-Value is % mass 69 2-Value is % mass 442

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
	ICV 410-279302/22	LG2559.D	07/25/2022	21:57

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: LH1650.D DFTPP Injection Date: 08/16/2022

Instrument ID: HP20296 DFTPP Injection Time: 14:48

Analysis Batch No.: 286564

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	41.8	
68	Less than 2% of mass 69	0.9	(1.9) 1
69	Mass 69 Relative abundance	50.2	
70	Less than 2% of mass 69	0.0	(0.0) 1
127	10-80% of Base Peak	44.8	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.1	
275	10-60% of Base Peak	26.9	
365	Greater than 1% of mass 198	3.3	
441	present but less than 24% of mass 442	18.4	(19.9) 2
442	Greater than 50% of mass 198	92.9	
443	15-24% of mass 442	18.8	(20.2) 2

1-Value is % mass 69 2-Value is % mass 442

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 410-286564/2	LH1651.D	08/16/2022	15:05
	MB 410-286371/1-A	LH1652.D	08/16/2022	15:51
	LCS 410-286371/2-A	LH1653.D	08/16/2022	16:12
	LCSD 410-286371/3-A	LH1654.D	08/16/2022	16:32
FB-01_082022	410-94417-4	LH1673.D	08/16/2022	23:11

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: LH1850a.D DFTPP Injection Date: 08/18/2022

Instrument ID: HP20296 DFTPP Injection Time: 15:49

Analysis Batch No.: 287356

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	61.9	
68	Less than 2% of mass 69	0.8	(1.2) 1
69	Mass 69 Relative abundance	70.3	
70	Less than 2% of mass 69	0.6	(0.9) 1
127	10-80% of Base Peak	59.1	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.3	
275	10-60% of Base Peak	21.2	
365	Greater than 1% of mass 198	4.1	
441	present but less than 24% of mass 442	15.8	(19.1) 2
442	Greater than 50% of mass 198	83.0	
443	15-24% of mass 442	15.5	(18.7) 2

1-Value is % mass 69 2-Value is % mass 442

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 410-287356/2	LH1851.D	08/18/2022	16:08
	MB 410-287252/1-A	LH1853.D	08/18/2022	17:10
	LCS 410-287252/2-A	LH1854.D	08/18/2022	17:31
	LCSD 410-287252/3-A	LH1855.D	08/18/2022	17:52
FBS010_082022	410-94417-1	LH1875.D	08/19/2022	0:52
FBS010-MS_082022 MS	410-94417-1 MS	LH1876.D	08/19/2022	1:13
FBS010-MSD_082022 MSD	410-94417-1 MSD	LH1877.D	08/19/2022	1:34
FBW001_082022	410-94417-2	LH1878.D	08/19/2022	1:55
DUP-01_082022	410-94417-3	LH1879.D	08/19/2022	2:16

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: ICIS 410-278565/2 Date Analyzed: 07/22/2022 13:57

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LG2211.D Heated Purge: (Y/N) N

Calibration ID: 41241

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		163248	4.48	603022	5.70	405500	7.36
UPPER LIMIT		326496	4.98	1206044	6.20	811000	7.86
LOWER LIMIT		81624	3.98	301511	5.20	202750	6.86
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-278565/12		280552	4.48	1029109	5.70	699924	7.36
ICV 410-278565/13		205762	4.48	727158	5.70	457393	7.36
ICV 410-278565/14		185341	4.48	665516	5.70	416911	7.36
CCVIS 410-286564/2		198542	4.35	709965	5.56	478424	7.23
CCVIS 410-287356/2		135643	4.32	525340	5.53	380250	7.21

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: ICIS 410-278565/2 Date Analyzed: 07/22/2022 13:57

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LG2211.D Heated Purge: (Y/N) N

Calibration ID: 41241

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		827272	8.77	918112	10.12	746120	13.35
UPPER LIMIT		1654544	9.27	1836224	10.62	1492240	13.85
LOWER LIMIT		413636	8.27	459056	9.62	373060	12.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-278565/12		1505685	8.77	1640726	10.12	1345549	13.35
ICV 410-278565/13		978675	8.77	1080038	10.11	818833	13.34
ICV 410-278565/14		874123	8.77	951458	10.11	755478	13.34
CCVIS 410-286564/2		1045299	8.64	1190672	9.99	992799	13.14
CCVIS 410-287356/2		880817	8.61	1001751	9.96	773963	13.09

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

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 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-286564/2 Date Analyzed: 08/16/2022 15:05

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LH1651.D Heated Purge: (Y/N) N

Calibration ID: 41519

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		198542	4.35	709965	5.56	478424	7.23
UPPER LIMIT		397084	4.85	1419930	6.06	956848	7.73
LOWER LIMIT		99271	3.85	354983	5.06	239212	6.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-286371/1-A		225037	4.35	862019	5.56	545429	7.23
LCS 410-286371/2-A		187136	4.35	678100	5.56	417766	7.23
LCSD 410-286371/3-A		164040	4.35	612651	5.56	397904	7.23
410-94417-4	FB-01_082022	172071	4.35	634552	5.56	389770	7.23

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-286564/2 Date Analyzed: 08/16/2022 15:05

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LH1651.D Heated Purge: (Y/N) N

Calibration ID: 41519

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1045299	8.64	1190672	9.99	992799	13.14
UPPER LIMIT		2090598	9.14	2381344	10.49	1985598	13.64
LOWER LIMIT		522650	8.14	595336	9.49	496400	12.64
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-286371/1-A		1135663	8.64	1240248	9.99	1067675	13.14
LCS 410-286371/2-A		917385	8.64	979129	9.99	776301	13.14
LCSD 410-286371/3-A		835286	8.64	957242	9.98	807568	13.14
410-94417-4	FB-01_082022	865824	8.63	920904	9.98	719855	13.14

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

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 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-287356/2 Date Analyzed: 08/18/2022 16:08

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LH1851.D Heated Purge: (Y/N) N

Calibration ID: 41519

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		135643	4.32	525340	5.53	380250	7.21
UPPER LIMIT		271286	4.82	1050680	6.03	760500	7.71
LOWER LIMIT		67822	3.82	262670	5.03	190125	6.71
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-287252/1-A		131005	4.31	498823	5.53	344579	7.20
LCS 410-287252/2-A		105408	4.32	413934	5.53	292932	7.20
LCSD 410-287252/3-A		109295	4.32	403808	5.53	284144	7.20
410-94417-1	FBS010_082022	120675	4.32	435233	5.53	308753	7.20
410-94417-1 MS	FBS010-MS_082022 MS	121860	4.32	483653	5.53	353077	7.20
410-94417-1 MSD	FBS010-MSD_082022 MSD	106145	4.32	419233	5.53	304841	7.20
410-94417-2	FBW001_082022	107882	4.32	406639	5.53	280421	7.20
410-94417-3	DUP-01_082022	100803	4.32	399203	5.53	261802	7.20

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-287356/2 Date Analyzed: 08/18/2022 16:08

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LH1851.D Heated Purge: (Y/N) N

Calibration ID: 41519

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		880817	8.61	1001751	9.96	773963	13.09
UPPER LIMIT		1761634	9.11	2003502	10.46	1547926	13.59
LOWER LIMIT		440409	8.11	500876	9.46	386982	12.59
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-287252/1-A		757135	8.61	874718	9.96	628765	13.09
LCS 410-287252/2-A		628041	8.61	731848	9.96	595137	13.09
LCSD 410-287252/3-A		626724	8.61	704582	9.96	577288	13.09
410-94417-1	FBS010_082022	729755	8.61	851156	9.95	600192	13.09
410-94417-1 MS	FBS010-MS_082022 MS	808798	8.61	933133	9.95	743371	13.09
410-94417-1 MSD	FBS010-MSD_082022 MSD	706470	8.61	799234	9.95	621694	13.09
410-94417-2	FBW001_082022	663419	8.60	781874	9.95	581449	13.09
410-94417-3	DUP-01_082022	633702	8.61	728037	9.95	527306	13.09

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

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 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010_082022
Lab Sample ID: 410-94417-1

Matrix: Water
Lab File ID: LH1875.D

Analysis Method: 8270D
Date Collected: 08/11/2022 12:05

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:50

Sample wt/vol: 240.9(mL)
Date Analyzed: 08/19/2022 00:52

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287356
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	ND		10	3
51-28-5	2,4-Dinitrophenol	ND	cn	30	10
95-57-8	2-Chlorophenol	ND		2	0.5
86-74-8	Carbazole	ND		2	0.5
108-95-2	Phenol	ND		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	87		10-150
321-60-8	2-Fluorobiphenyl (Surr)	71		44-120
367-12-4	2-Fluorophenol (Surr)	47		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	86		25-125
4165-62-2	Phenol-d5 (Surr)	35		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	96		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1875.D
Lims ID: 410-94417-G-1-D
Client ID: FBS010_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 00:52:34 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-D
Misc. Info.: 410-0064445-026
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 21-Aug-2022 20:32:01 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: P7EB Date: 21-Aug-2022 20:30:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	3.049	3.059	-0.006	94	795525	23.4	
$ 16 Phenol-d5	99	3.953	3.958	0.000	98	806950	17.6	
17 Phenol	94		3.964				ND	7
20 2-Chlorophenol	128		4.109				ND	7
* 24 1,4-Dichlorobenzene-d4	152	4.317	4.312	0.005	96	120675	5.00	
$ 41 Nitrobenzene-d5	82	4.846	4.847	-0.001	86	977613	21.4	
48 2,4-Dimethylphenol	107		5.210				ND	7
* 55 Naphthalene-d8	136	5.531	5.531	0.000	99	435233	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.569	6.569	0.000	99	1684021	17.8	
* 92 Acenaphthene-d10	164	7.200	7.200	0.000	96	308753	5.00	
94 2,4-Dinitrophenol	184		7.270				ND	U
$ 113 2,4,6-Tribromophenol	330	7.949	7.949	0.000	93	651795	43.5	
* 127 Phenanthrene-d10	188	8.607	8.607	0.000	97	729755	5.00	
131 Carbazole	167		8.837				ND	7
* 140 Pyrene-d10 (IS)	212	9.949	9.955	-0.006	95	851156	5.00	
$ 142 p-Terphenyl-d14	244	10.131	10.131	-0.005	97	3846458	24.0	
* 159 Perylene-d12	264	13.089	13.094	-0.005	98	600192	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected

Reagents:

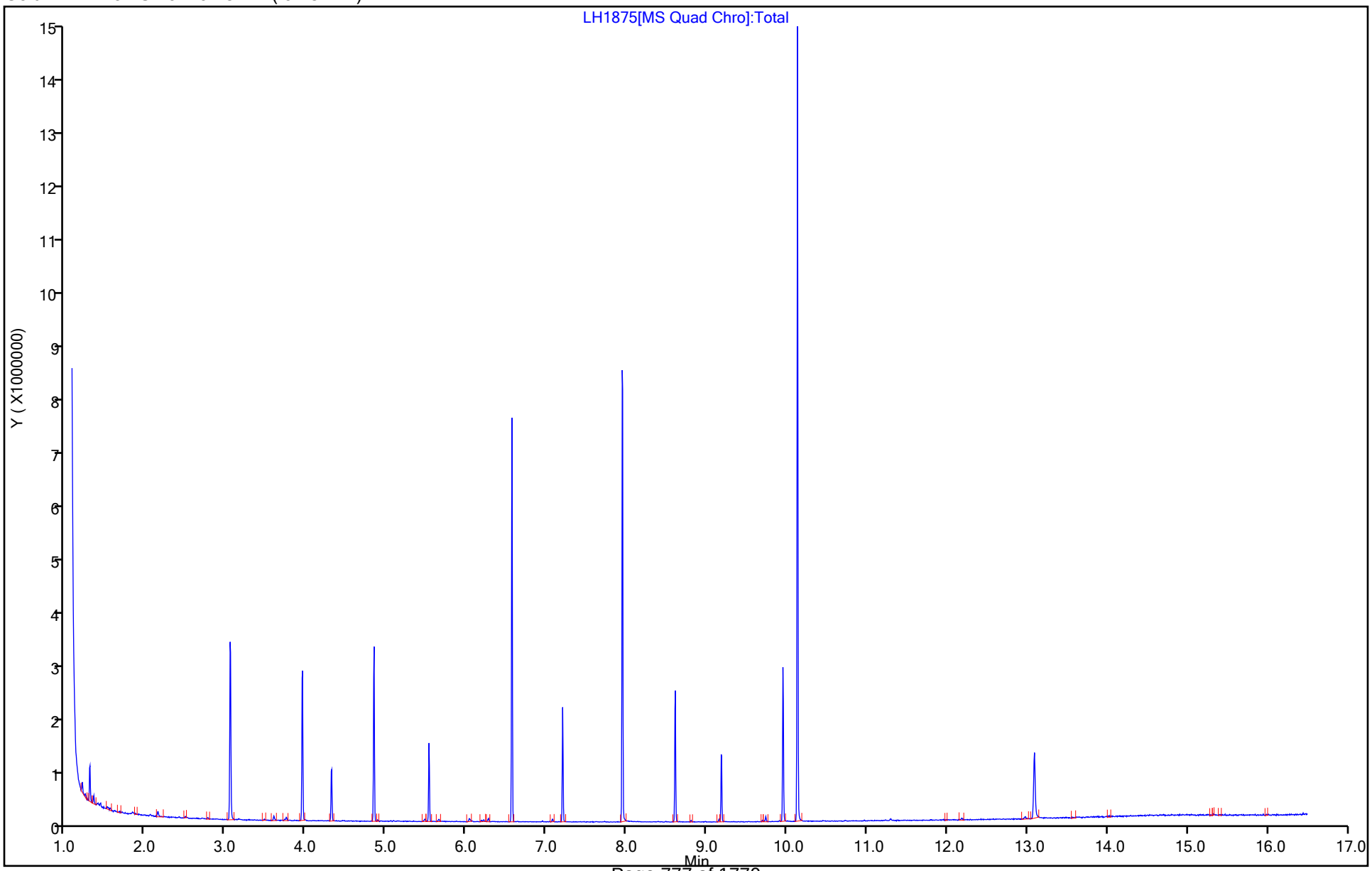
MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 21-Aug-2022 20:32:09 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1875.D				
Injection Date:	19-Aug-2022 00:52:34	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-94417-G-1-D	Lab Sample ID:	410-94417-1	Worklist Smp#:	26
Client ID:	FBS010_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1875.D
Lims ID: 410-94417-G-1-D
Client ID: FBS010_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 00:52:34 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-D
Misc. Info.: 410-0064445-026
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 21-Aug-2022 20:32:01 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: P7EB Date: 21-Aug-2022 20:30:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	23.4	46.82
$ 16 Phenol-d5	50.0	17.6	35.18
$ 41 Nitrobenzene-d5	25.0	21.4	85.57
$ 76 2-Fluorobiphenyl (Surr)	25.0	17.8	71.24
$ 113 2,4,6-Tribromophenol	50.0	43.5	87.01
$ 142 p-Terphenyl-d14	25.0	24.0	95.96

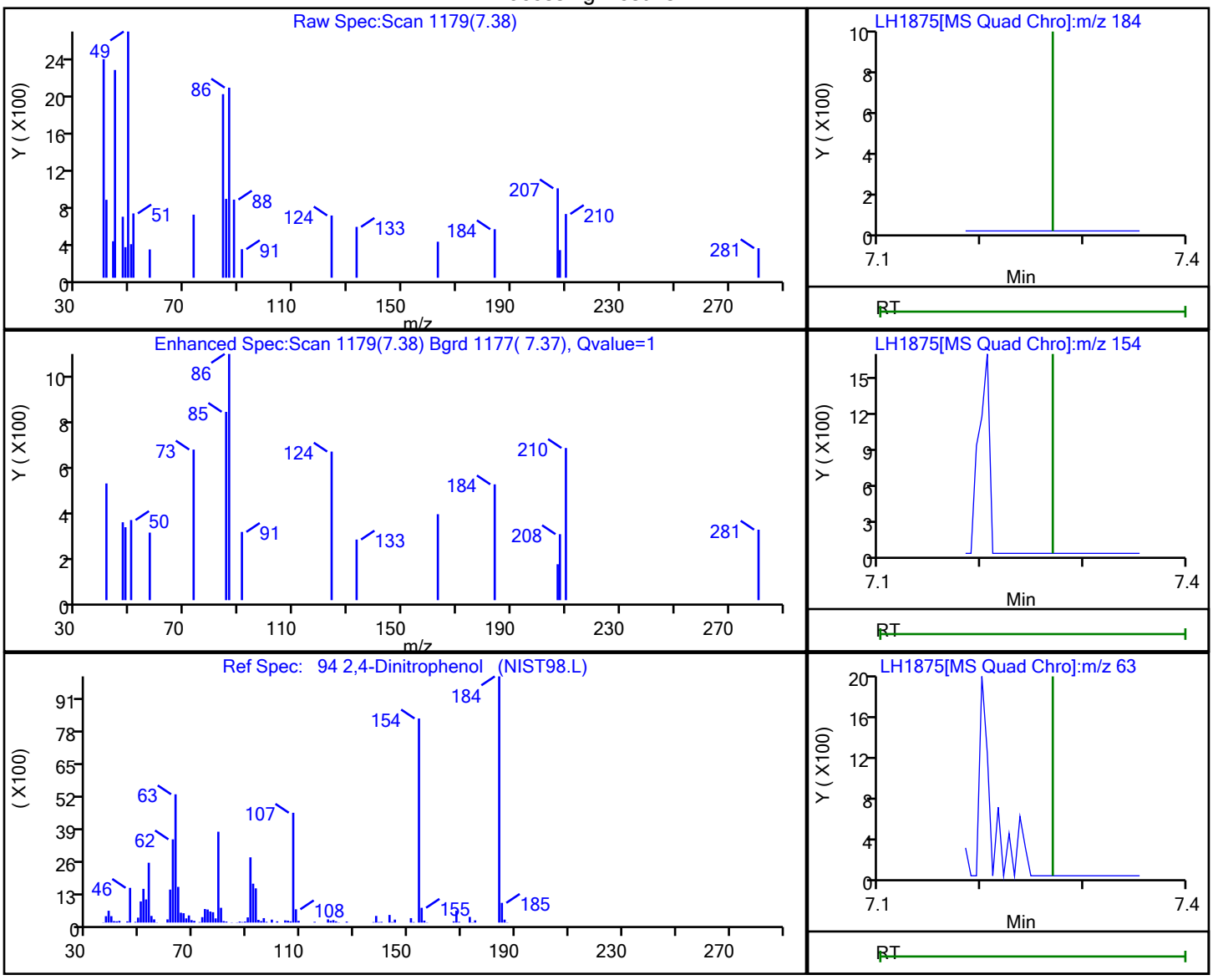
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1875.D				
Injection Date:	19-Aug-2022 00:52:34	Instrument ID:	HP20296		
Lims ID:	410-94417-G-1-D	Lab Sample ID:	410-94417-1		
Client ID:	FBS010_082022				
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

94 2,4-Dinitrophenol, CAS: 51-28-5

Processing Results



RT	Mass	Response	Amount
7.38	184.00	269	3.022187
7.27	154.00	0	
7.27	63.00	0	
7.27	107.00	0	

Reviewer: P7EB, 21-Aug-2022 20:30:37

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBW001_082022
Lab Sample ID: 410-94417-2

Matrix: Water
Lab File ID: LH1878.D

Analysis Method: 8270D
Date Collected: 08/11/2022 11:43

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:50

Sample wt/vol: 246.6(mL)
Date Analyzed: 08/19/2022 01:55

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287356
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	ND		10	3
51-28-5	2,4-Dinitrophenol	ND	cn	30	10
95-57-8	2-Chlorophenol	ND		2	0.5
86-74-8	Carbazole	ND		2	0.5
108-95-2	Phenol	ND		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	81		10-150
321-60-8	2-Fluorobiphenyl (Surr)	66		44-120
367-12-4	2-Fluorophenol (Surr)	43		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	80		25-125
4165-62-2	Phenol-d5 (Surr)	32		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	90		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1878.D
Lims ID: 410-94417-G-2-B
Client ID: FBW001_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 01:55:33 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-2-B
Misc. Info.: 410-0064445-029
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 21-Aug-2022 20:32:01 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: P7EB Date: 21-Aug-2022 20:31:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	3.050	3.059	-0.005	93	649357	21.4	
$ 16 Phenol-d5	99	3.948	3.958	-0.005	97	649698	15.8	
17 Phenol	94		3.964				ND	7
20 2-Chlorophenol	128		4.109				ND	7
* 24 1,4-Dichlorobenzene-d4	152	4.317	4.312	0.005	96	107882	5.00	
$ 41 Nitrobenzene-d5	82	4.847	4.847	0.000	86	851313	19.9	
48 2,4-Dimethylphenol	107		5.210				ND	7
* 55 Naphthalene-d8	136	5.531	5.531	0.000	99	406639	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.569	6.569	0.000	100	1409733	16.4	
* 92 Acenaphthene-d10	164	7.200	7.200	0.000	96	280421	5.00	
94 2,4-Dinitrophenol	184		7.270				ND	
$ 113 2,4,6-Tribromophenol	330	7.949	7.949	0.000	91	551735	40.5	
* 127 Phenanthrene-d10	188	8.601	8.607	-0.006	97	663419	5.00	
131 Carbazole	167		8.837				ND	7
* 140 Pyrene-d10 (IS)	212	9.949	9.955	-0.006	95	781874	5.00	
$ 142 p-Terphenyl-d14	244	10.131	10.131	-0.005	97	3329301	22.6	
* 159 Perylene-d12	264	13.089	13.094	-0.005	98	581449	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

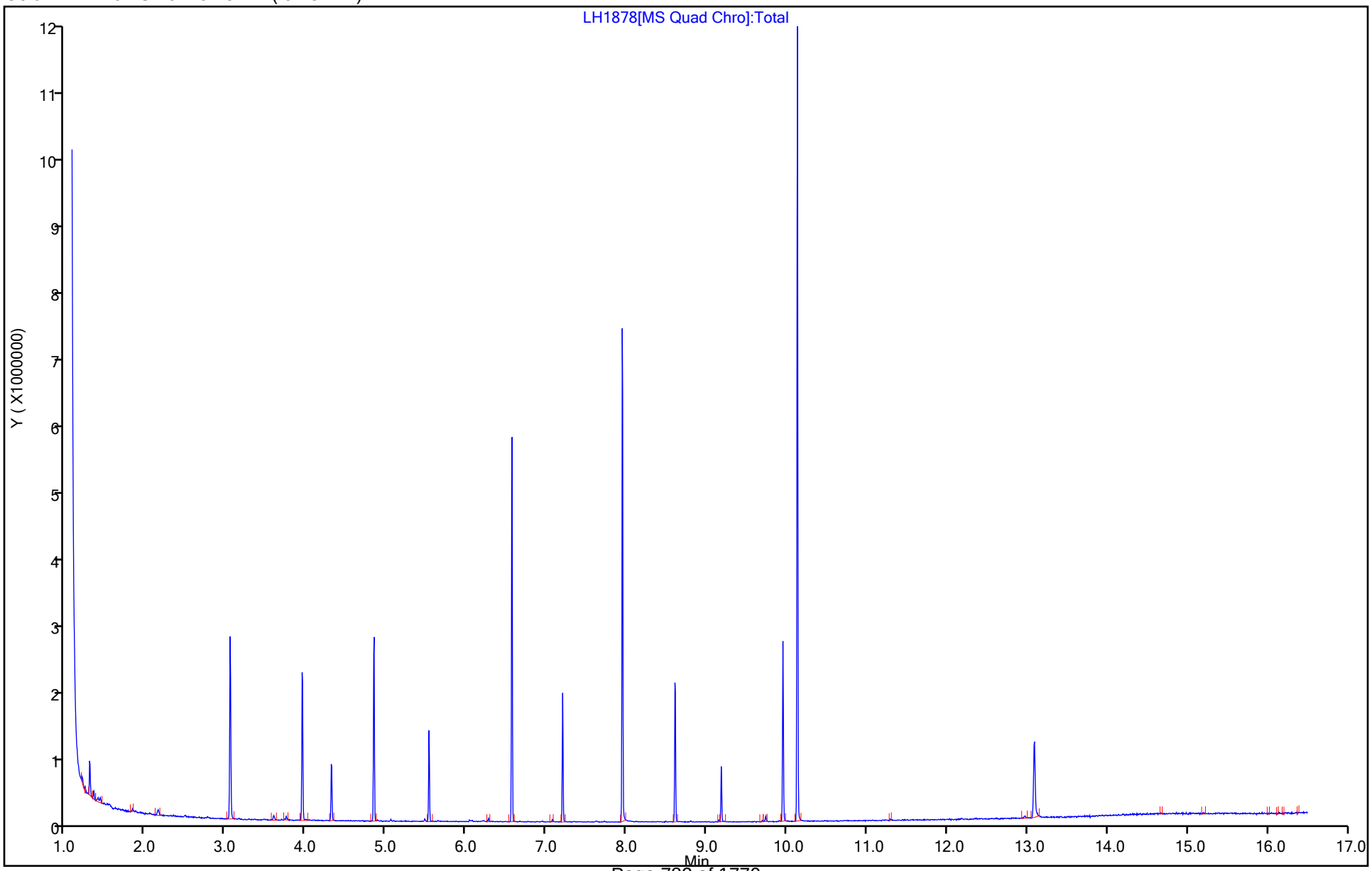
MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 21-Aug-2022 20:32:16 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1878.D				
Injection Date:	19-Aug-2022 01:55:33	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-94417-G-2-B	Lab Sample ID:	410-94417-2	Worklist Smp#:	29
Client ID:	FBW001_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1878.D
Lims ID: 410-94417-G-2-B
Client ID: FBW001_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 01:55:33 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-2-B
Misc. Info.: 410-0064445-029
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 21-Aug-2022 20:32:01 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: P7EB Date: 21-Aug-2022 20:31:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	21.4	42.75
$ 16 Phenol-d5	50.0	15.8	31.69
$ 41 Nitrobenzene-d5	25.0	19.9	79.76
$ 76 2-Fluorobiphenyl (Surr)	25.0	16.4	65.66
$ 113 2,4,6-Tribromophenol	50.0	40.5	81.10
$ 142 p-Terphenyl-d14	25.0	22.6	90.42

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: DUP-01_082022
Lab Sample ID: 410-94417-3

Matrix: Water
Lab File ID: LH1879.D

Analysis Method: 8270D
Date Collected: 08/11/2022 08:00

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:50

Sample wt/vol: 240.9(mL)
Date Analyzed: 08/19/2022 02:16

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287356
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	ND		10	3
51-28-5	2,4-Dinitrophenol	ND	cn	30	10
95-57-8	2-Chlorophenol	ND		2	0.5
86-74-8	Carbazole	ND		2	0.5
108-95-2	Phenol	ND		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	91		10-150
321-60-8	2-Fluorobiphenyl (Surr)	67		44-120
367-12-4	2-Fluorophenol (Surr)	46		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	82		25-125
4165-62-2	Phenol-d5 (Surr)	35		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	100		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1879.D
Lims ID: 410-94417-G-3-B
Client ID: DUP-01_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 02:16:33 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-3-B
Misc. Info.: 410-0064445-030
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 21-Aug-2022 20:32:01 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: P7EB Date: 21-Aug-2022 20:32:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	3.049	3.059	-0.006	94	648265	22.8	
$ 16 Phenol-d5	99	3.948	3.958	-0.005	98	667962	17.4	
17 Phenol	94		3.964				ND	7
20 2-Chlorophenol	128		4.109				ND	7
* 24 1,4-Dichlorobenzene-d4	152	4.317	4.312	0.005	96	100803	5.00	
$ 41 Nitrobenzene-d5	82	4.847	4.847	0.000	86	854958	20.4	
48 2,4-Dimethylphenol	107		5.210				ND	7
* 55 Naphthalene-d8	136	5.531	5.531	0.000	99	399203	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.569	6.569	0.000	99	1350588	16.8	
* 92 Acenaphthene-d10	164	7.200	7.200	0.000	96	261802	5.00	
94 2,4-Dinitrophenol	184		7.270				ND	U
$ 113 2,4,6-Tribromophenol	330	7.949	7.949	0.000	93	578269	45.5	
* 127 Phenanthrene-d10	188	8.607	8.607	0.000	97	633702	5.00	
131 Carbazole	167		8.837				ND	7
* 140 Pyrene-d10 (IS)	212	9.949	9.955	-0.006	96	728037	5.00	
$ 142 p-Terphenyl-d14	244	10.131	10.131	-0.005	97	3441805	25.1	
* 159 Perylene-d12	264	13.089	13.094	-0.005	98	527306	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected

Reagents:

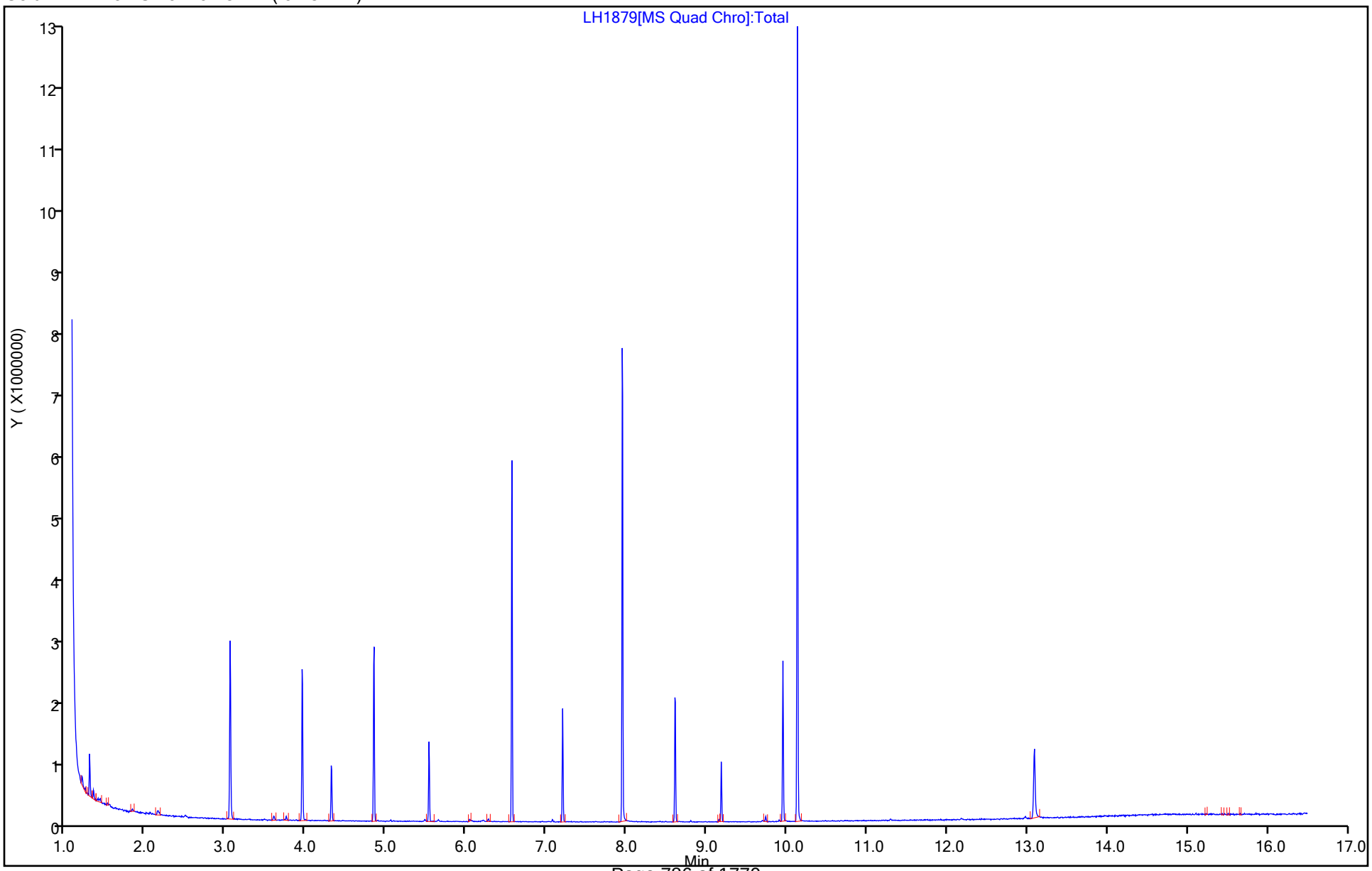
MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 21-Aug-2022 20:32:18 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1879.D				
Injection Date:	19-Aug-2022 02:16:33	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-94417-G-3-B	Lab Sample ID:	410-94417-3	Worklist Smp#:	30
Client ID:	DUP-01_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1879.D
Lims ID: 410-94417-G-3-B
Client ID: DUP-01_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 02:16:33 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-3-B
Misc. Info.: 410-0064445-030
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 21-Aug-2022 20:32:01 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: P7EB Date: 21-Aug-2022 20:32:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	22.8	45.67
$ 16 Phenol-d5	50.0	17.4	34.87
$ 41 Nitrobenzene-d5	25.0	20.4	81.59
$ 76 2-Fluorobiphenyl (Surr)	25.0	16.8	67.38
$ 113 2,4,6-Tribromophenol	50.0	45.5	91.04
$ 142 p-Terphenyl-d14	25.0	25.1	100.39

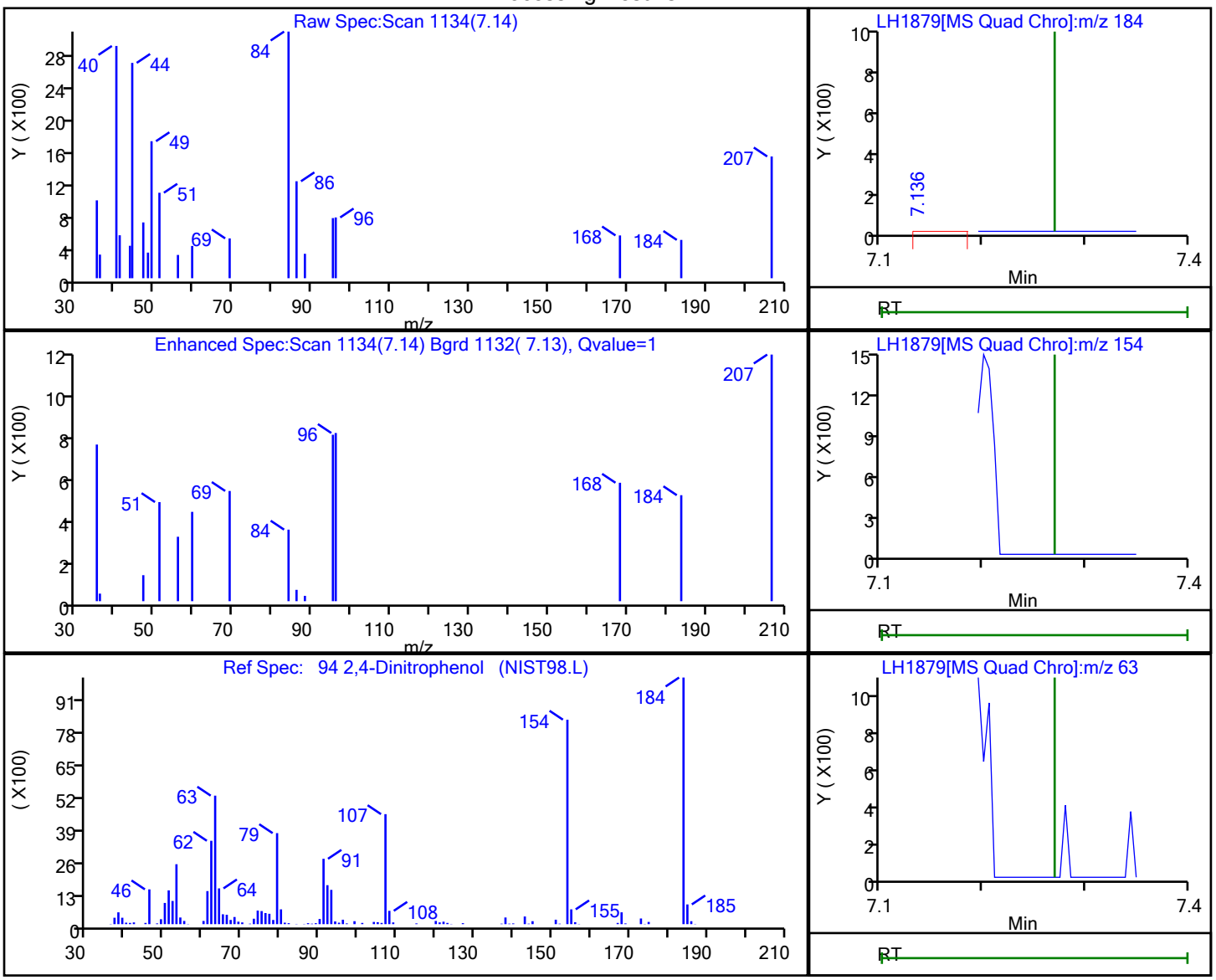
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1879.D				
Injection Date:	19-Aug-2022 02:16:33	Instrument ID:	HP20296		
Lims ID:	410-94417-G-3-B	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

94 2,4-Dinitrophenol, CAS: 51-28-5

Processing Results



RT	Mass	Response	Amount
7.14	184.00	153	3.013491
7.27	154.00	0	
7.27	63.00	0	
7.27	107.00	0	

Reviewer: P7EB, 21-Aug-2022 20:31:45

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FB-01_082022 Lab Sample ID: 410-94417-4

Matrix: Water Lab File ID: LH1673.D

Analysis Method: 8270D Date Collected: 08/11/2022 11:45

Extract. Method: 3510C Date Extracted: 08/16/2022 09:10

Sample wt/vol: 188.7(mL) Date Analyzed: 08/16/2022 23:11

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 286564 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	ND		10	4
51-28-5	2,4-Dinitrophenol	ND	cn	40	20
95-57-8	2-Chlorophenol	ND		3	0.7
86-74-8	Carbazole	ND		3	0.7
108-95-2	Phenol	ND		3	0.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	97		10-150
321-60-8	2-Fluorobiphenyl (Surr)	75		44-120
367-12-4	2-Fluorophenol (Surr)	51		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	73		25-125
4165-62-2	Phenol-d5 (Surr)	40		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	98		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1673.D
Lims ID: 410-94417-G-4-B
Client ID: FB-01_082022
Sample Type: Client
Inject. Date: 16-Aug-2022 23:11:57 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-4-B
Misc. Info.: 410-0064288-025
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 17-Aug-2022 12:46:16 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: AH7C Date: 17-Aug-2022 11:51:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	3.087	3.092	-0.005	95	1239493	25.6	
$ 16 Phenol-d5	99	3.986	3.986	0.000	98	1299630	19.9	
17 Phenol	94		3.996				ND	7
20 2-Chlorophenol	128		4.146				ND	7
* 24 1,4-Dichlorobenzene-d4	152	4.349	4.349	0.000	97	172071	5.00	
$ 41 Nitrobenzene-d5	82	4.879	4.879	0.000	89	1217024	18.3	
48 2,4-Dimethylphenol	107		5.242				ND	7
* 55 Naphthalene-d8	136	5.563	5.563	0.000	99	634552	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.596	6.601	-0.005	99	2229859	18.7	
* 92 Acenaphthene-d10	164	7.232	7.232	0.000	96	389770	5.00	
94 2,4-Dinitrophenol	184		7.296				ND	
$ 113 2,4,6-Tribromophenol	330	7.976	7.981	-0.005	94	916060	48.4	
* 127 Phenanthrene-d10	188	8.633	8.639	-0.006	98	865824	5.00	
131 Carbazole	167		8.869				ND	7
* 140 Pyrene-d10 (IS)	212	9.981	9.987	-0.006	96	920904	5.00	
$ 142 p-Terphenyl-d14	244	10.163	10.163	-0.006	98	4243298	24.5	
* 159 Perylene-d12	264	13.137	13.142	-0.005	98	719855	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

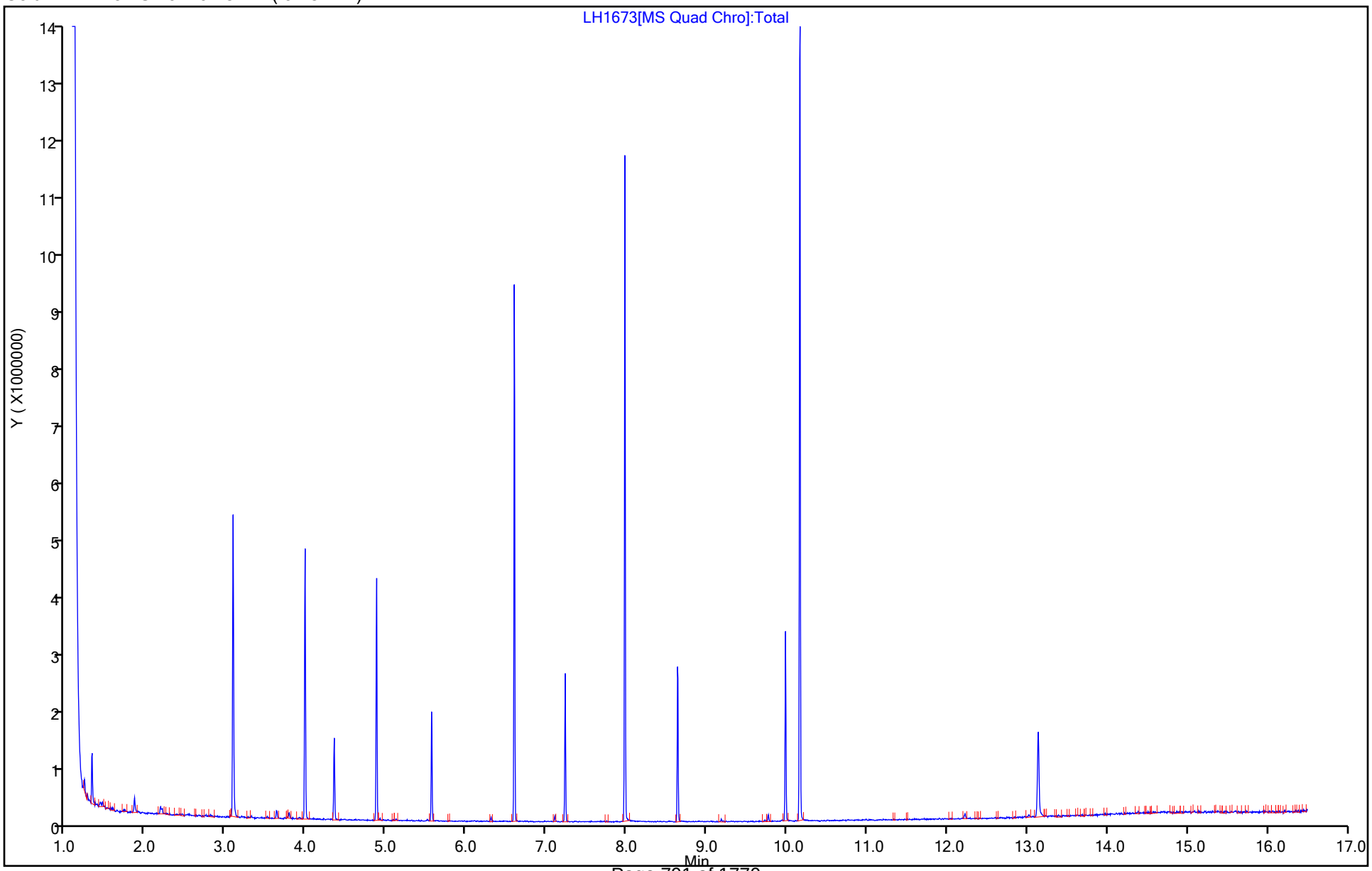
MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 17-Aug-2022 12:46:39 Chrom Revision: 2.3 16-Aug-2022 20:53:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1673.D				
Injection Date:	16-Aug-2022 23:11:57	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-94417-G-4-B	Lab Sample ID:	410-94417-4	Worklist Smp#:	25
Client ID:	FB-01_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1673.D				
Lims ID:	410-94417-G-4-B				
Client ID:	FB-01_082022				
Sample Type:	Client				
Inject. Date:	16-Aug-2022 23:11:57	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-94417-G-4-B				
Misc. Info.:	410-0064288-025				
Operator ID:	mem41592	Instrument ID:	HP20296		
Method:	\\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\MSSemi_HP20296.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	17-Aug-2022 12:46:16	Calib Date:	04-Aug-2022 18:23:28		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D				
Column 1 :	DB-5MS 20m 0.18mm (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1627				

First Level Reviewer: AH7C Date: 17-Aug-2022 11:51:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	25.6	51.16
$ 16 Phenol-d5	50.0	19.9	39.74
$ 41 Nitrobenzene-d5	25.0	18.3	73.07
$ 76 2-Fluorobiphenyl (Surr)	25.0	18.7	74.72
$ 113 2,4,6-Tribromophenol	50.0	48.4	96.87
$ 142 p-Terphenyl-d14	25.0	24.5	97.84

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-278565/4	LG2213.D
Level 2	IC 410-278565/5	LG2214.D
Level 3	IC 410-278565/9	LG2218.D
Level 4	IC 410-278565/8	LG2217.D
Level 5	IC 410-278565/7	LG2216.D
Level 6	ICIS 410-278565/2	LG2211.D
Level 7	IC 410-278565/6	LG2215.D
Level 8	IC 410-278565/3	LG2212.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								
1,4-Dioxane	+++++ 0.6469	0.8862 0.6457	0.8051 0.6246	0.6336	0.6544	Ave		0.6995				14.7		20.0			
N-Nitrosodimethylamine	+++++ 1.0998	0.7561 1.1590	1.1455 1.0867	0.9956	1.1207	Ave		1.0519				13.4		20.0			
Pyridine	+++++ 1.8111	1.8063 1.8182	1.8074 1.7538	1.5569	1.7483	Ave		1.7574				5.3		20.0			
N,N-dimethylformamide	+++++ 1.2315	+++++ 1.2823	1.3551 1.1773	1.0198	1.1877	Ave		1.2090				9.4		20.0			
2-Picoline	+++++ 1.8227	1.5786 1.7615	1.7139 1.7010	1.5139	1.7544	Ave		1.6923				6.4		20.0			
N-Nitrosomethylethylamine	+++++ 0.7546	+++++ 0.7385	0.9334 0.7531	0.7434	0.8435	Ave		0.7944				9.9		20.0			
Methyl methanesulfonate	+++++ 1.0804	1.1918 1.0862	1.0493 0.9887	0.9266	1.0487	Ave		1.0531				7.9		20.0			
N-Nitrosodiethylamine	+++++ 0.7334	0.6003 0.7187	0.7042 0.7036	0.6182	0.7143	Ave		0.6847				7.7		20.0			
Ethyl methanesulfonate	+++++ 0.7818	0.8904 0.7853	0.7209 0.7257	0.6832	0.7561	Ave		0.7634				8.7		20.0			
Benzaldehyde	1.4875	1.6170 1.6499	1.5846 1.2897	1.6086	1.5150	Ave		1.5360			0.0100	8.0		20.0			
Phenol	+++++ 2.0449	2.0993 2.1715	1.8931 2.0324	1.8577	1.9991	Ave		2.0140			0.8000	5.5		20.0			
Aniline	+++++ 2.5542	2.4563 2.6128	2.4841 2.4629	2.1875	2.4472	Ave		2.4578				5.4		20.0			
Bis(2-chloroethyl)ether	+++++ 1.6447	1.7252 1.6700	1.7707 1.6122	1.4134	1.6171	Ave		1.6362			0.7000	7.0		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

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								
2-Chlorophenol	+++++ 1.4113	1.4198 1.4467	1.3899 1.3614	1.2074	1.4043	Ave		1.3773			0.8000	5.8		20.0			
1,3-Dichlorobenzene	+++++ 1.6141	1.6085 1.6991	1.5972 1.5760	1.4026	1.5552	Ave		1.5789				5.7		20.0			
1,4-Dichlorobenzene	+++++ 1.6474	1.7186 1.6795	1.6518 1.6031	1.4219	1.6194	Ave		1.6203				5.9		20.0			
Benzyl alcohol	+++++ 1.0622	1.0065 1.0891	0.9178 1.0513	0.9376	1.0186	Ave		1.0119				6.3		20.0			
1,2-Dichlorobenzene	+++++ 1.5893	1.5059 1.6135	1.5708 1.5408	1.4097	1.5144	Ave		1.5349				4.4		20.0			
2-Methylphenol	+++++ 1.4786	1.2085 1.4640	1.3020 1.3763	1.1942	1.3475	Ave		1.3387			0.7000	8.4		20.0			
2,2'-oxybis[1-chloropropane]	+++++ 1.8725	2.0398 1.9453	1.9433 1.8163	1.6938	1.8997	Ave		1.8872			0.0100	5.8		20.0			
N-Nitrosopyrrolidine	+++++ 0.8400	0.8019 0.8416	0.8523 0.8365	0.7310	0.8465	Ave		0.8214				5.2		20.0			
4-Methylphenol (and/or 3-Methylphenol)	+++++ 1.5512	1.6990 1.5842	1.4064 1.5247	1.2582	1.4632	Ave		1.4981			0.6000	9.4		20.0			
Acetophenone	+++++ 2.3797	2.4437 2.3979	2.2834 2.3087	2.0922	2.3495	Ave		2.3222			0.0100	4.9		20.0			
N-Nitrosodi-n-propylamine	+++++ 1.4075	1.4973 1.5117	1.3555 1.4359	1.1935	1.3515	Ave		1.3933			0.5000	7.7		20.0			
N-Nitrosomorpholine	+++++ 1.0527	1.0024 1.0322	0.9867 0.9978	0.9173	0.9658	Ave		0.9935				4.4		20.0			
o-Toluidine	+++++ 2.5405	2.6098 2.5666	2.4576 2.5204	2.1524	2.4594	Ave		2.4724				6.1		20.0			
Hexachloroethane	+++++ 0.6714	0.7332 0.6989	0.7496 0.6756	0.5832	0.6619	Ave		0.6820			0.3000	8.0		20.0			
Nitrobenzene	+++++ 0.5661	0.7452 0.5425	0.5081 0.5440	0.4933	0.5223	Ave		0.5602			0.2000	15.2		20.0			
N-Nitrosopiperidine	+++++ 0.1993	0.2069 0.2024	0.1863 0.1948	0.1782	0.1960	Ave		0.1948				5.0		20.0			
Isophorone	+++++ 0.9969	0.9686 0.9727	0.9126 0.9758	0.8458	0.9669	Ave		0.9485			0.4000	5.5		20.0			
2-Nitrophenol	+++++ 0.1893	0.1375 0.1771	0.1553 0.1854	0.1393	0.1741	Ave		0.1654			0.1000	12.9		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

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								
2,4-Dimethylphenol	+++++ 0.4440	0.4648 0.4475	0.4323 0.4447	0.3829	0.4266	Ave		0.4347			0.2000	6.0		20.0			
o,o',o''-Triethylphosphorothioate	+++++ 0.2357	0.2450 0.2288	0.2185 0.2317	0.1883	0.2327	Ave		0.2258				8.1		20.0			
Bis(2-chloroethoxy)methane	+++++ 0.5629	0.5949 0.5577	0.5497 0.5581	0.5012	0.5378	Ave		0.5518			0.3000	5.1		20.0			
2,4-Dichlorophenol	+++++ 0.3633	0.3683 0.3559	0.3152 0.3631	0.3100	0.3496	Ave		0.3465			0.2000	6.9		20.0			
1,2,4-Trichlorobenzene	+++++ 0.4362	0.4052 0.4235	0.4359 0.4135	0.3845	0.4227	Ave		0.4174				4.4		20.0			
Naphthalene	1.3510 1.1306	1.1650 1.1436	1.1411 1.1289	0.9950	1.0997	Ave		1.1444			0.7000	8.6		20.0			
a-Terpineol	+++++ 0.4038	0.4243 0.3982	0.3902 0.4099	0.3413	0.3823	Ave		0.3929				6.7		20.0			
4-Chloroaniline	+++++ 0.5149	0.5520 0.5145	0.4557 0.5174	0.4421	0.5033	Ave		0.5000			0.0100	7.6		20.0			
2,6-Dichlorophenol	+++++ 0.3703	0.3917 0.3768	0.3325 0.3639	0.3139	0.3533	Ave		0.3575				7.5		20.0			
Hexachloropropene	+++++ 0.3032	0.2603 0.3014	0.2828 0.3169	0.2723	0.3189	Ave		0.2937				7.6		20.0			
Hexachlorobutadiene	+++++ 0.2687	0.3110 0.2737	0.2493 0.2735	0.2474	0.2791	Ave		0.2718			0.0100	7.8		20.0			
Quinoline	+++++ 0.7234	0.6472 0.7081	0.6821 0.7277	0.6295	0.7316	Ave		0.6928				5.9		20.0			
Caprolactam	0.1293	+++++ 0.1387	0.1226 0.1318	0.1255	0.1232	Ave		0.1285			0.0100	4.7		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.4437	0.4109 0.4594	0.3438 0.4463	0.3185	0.4655	Ave		0.4126				14.2		20.0			
1,4-phenylenediamine	+++++ 0.5833	0.4953 0.5559	0.4910 0.5352	0.4819	0.5460	Ave		0.5269				7.3		20.0			
4-Chloro-3-methylphenol	+++++ 0.3872	0.3264 0.3795	0.3292 0.3783	0.3222	0.3777	Ave		0.3572			0.2000	8.3		20.0			
Safrole, Total	+++++ 0.3034	0.3511 0.3126	0.3092 0.3152	0.2778	0.3057	Ave		0.3107				7.0		20.0			
2-Methylnaphthalene	0.8427 0.7877	0.7146 0.7667	0.7457 0.7766	0.6902	0.7389	Ave		0.7579			0.4000	6.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

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-Methylnaphthalene	0.7034 0.7391	0.7739 0.7517	0.6870 0.7491	0.6555	0.7091	Ave		0.7211				5.4		20.0			
Hexachlorocyclopentadiene	+++++ 0.5175	+++++ 0.5238	0.4629 0.5093	0.4314	0.5312	Ave		0.4960			0.0500	8.0		20.0			
1,2,4,5-Tetrachlorobenzene	+++++ 0.7662	0.7954 0.8037	0.8239 0.7578	0.6620	0.7574	Ave		0.7666			0.0100	6.9		20.0			
Isosafrole Peak 1	+++++ 0.5244	+++++ 0.5049	0.6630 0.5222	0.4997	0.6125	Ave		0.5544				12.1		20.0			
2,4,6-Trichlorophenol	+++++ 0.4621	0.4749 0.4713	0.4441 0.4692	0.3792	0.4507	Ave		0.4502			0.2000	7.4		20.0			
2,4,5-Trichlorophenol	+++++ 0.5094	0.3876 0.5467	0.5037 0.5045	0.4388	0.5353	Ave		0.4894			0.2000	11.5		20.0			
Isosafrole Peak 2	+++++ 0.5974	0.6531 0.6047	0.6163 0.5962	0.5208	0.6268	Ave		0.6022				6.8		20.0			
1,1'-Biphenyl	+++++ 1.5457	1.4613 1.6079	1.5025 1.6052	1.3909	1.5588	Ave		1.5246			0.0100	5.2		20.0			
2-Chloronaphthalene	+++++ 1.2101	1.0342 1.2331	1.3357 1.3005	1.1142	1.2717	Ave		1.2142			0.8000	8.8		20.0			
1-Chloronaphthalene	+++++ 1.1862	1.1530 1.2326	1.1602 1.1098	1.0029	1.2012	Ave		1.1494				6.6		20.0			
Diphenyl ether	+++++ 0.8640	0.7330 0.8776	0.9482 0.8436	0.7553	0.8726	Ave		0.8421				8.9		20.0			
2-Nitroaniline	+++++ 0.3788	0.3108 0.3867	0.3143 0.3801	0.3104	0.3711	Ave		0.3503			0.0100	10.4		20.0			
1,4-Naphthoquinone	+++++ 0.4921	0.4819 0.5046	0.4670 0.4699	0.4050	0.4984	Ave		0.4742				7.1		20.0			
1,4-Dinitrobenzene	+++++ 0.1778	+++++ 0.1757	0.1166 0.1794	0.1474	0.1763	Ave		0.1622				15.6		20.0			
Dimethyl phthalate	+++++ 1.4894	1.4581 1.5325	1.4989 1.4644	1.3104	1.5301	Ave		1.4691			0.0100	5.2		20.0			
1,3-Dinitrobenzene	+++++ 0.2229	0.1707 0.2254	0.1806 0.2216	0.1574	0.2224	Ave		0.2001				14.7		20.0			
2,6-Dinitrotoluene	+++++ 0.3207	0.2753 0.3209	0.2740 0.3254	0.2716	0.3204	Ave		0.3012			0.2000	8.6		20.0			
Acenaphthylene	2.1984 1.8215	1.6669 1.9241	1.8445 1.8838	1.6283	1.8746	Ave		1.8553			0.9000	9.4		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

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								
3-Nitroaniline	+++++ 0.3332	0.2438 0.3312	0.2843 0.3284	0.2863	0.3151	Ave		0.3032			0.0100	11.0		20.0			
Acenaphthene	1.3870 1.3081	1.2536 1.3123	1.3335 1.3212	1.1357	1.3448	Ave		1.2995			0.9000	5.9		20.0			
2,4-Dinitrophenol	+++++ 0.1449	+++++ 0.1454	0.0957 0.1666	0.1031	0.1226	Lin1	-0.494	0.1649			0.0100				0.9910		0.9900
4-Nitrophenol	+++++ 0.2408	0.1948 0.2391	0.2155 0.2404	0.2071	0.2366	Ave		0.2249			0.0100	8.4		20.0			
Pentachlorobenzene	+++++ 0.6387	0.6578 0.6294	0.6770 0.6172	0.5574	0.6671	Ave		0.6349				6.3		20.0			
2,4-Dinitrotoluene	+++++ 0.4185	0.3226 0.4485	0.4183 0.4315	0.3564	0.4358	Ave		0.4045			0.2000	11.5		20.0			
Dibenzofuran	+++++ 1.8362	1.8244 1.9134	1.9112 1.8372	1.5980	1.8830	Ave		1.8291			0.8000	5.9		20.0			
1-Naphthylamine	+++++ 1.2277	1.3324 1.2810	1.2300 1.2634	1.0753	1.2765	Ave		1.2409				6.5		20.0			
2,3,4,6-Tetrachlorophenol	+++++ 0.4439	0.4043 0.4669	0.3908 0.4584	0.3764	0.4571	Ave		0.4283			0.0100	8.6		20.0			
2-Naphthylamine	+++++ 1.2801	1.1569 1.3475	1.2561 1.3072	1.1282	1.3216	Ave		1.2568				6.7		20.0			
Diethyl phthalate	+++++ 1.4278	1.3513 1.4938	1.5515 1.4309	1.2371	1.4493	Ave		1.4202			0.0100	7.2		20.0			
Thionazin	+++++ 0.2319	0.1806 0.2404	0.2162 0.2187	0.1841	0.2436	Ave		0.2165				11.8		20.0			
Fluorene	1.8566 1.4969	1.2950 1.5828	1.5321 1.5807	1.3263	1.5202	Ave		1.5238			0.9000	11.4		20.0			
4-Chlorophenyl-phenyl ether	+++++ 0.8538	0.8347 0.8690	0.8110 0.8408	0.7554	0.8675	Ave		0.8332			0.4000	4.8		20.0			
5-Nitro-o-toluidine	+++++ 0.4058	0.3712 0.4108	0.3919 0.4086	0.3424	0.4211	Ave		0.3931				7.0		20.0			
4-Nitroaniline	+++++ 0.3774	0.3578 0.3899	0.3685 0.3736	0.3136	0.3905	Ave		0.3673			0.0100	7.2		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0974	+++++ 0.0977	0.0641 0.1085	0.0641	0.0920	Lin1	-0.224	0.1077			0.0100				0.9960		0.9900
N-Nitrosodiphenylamine	+++++ 0.6329	0.5961 0.6232	0.5473 0.5991	0.5473	0.6234	Ave		0.5956			0.0100	6.0		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

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-Diphenylhydrazine	+++++ 0.9114	0.7895 0.8970	0.9060 0.8667	0.7859	0.9199	Ave		0.8681				6.6		20.0			
Sulfotepp	+++++ 0.1357	0.1492 0.1349	0.1285 0.1275	0.1150	0.1358	Ave		0.1324				7.9		20.0			
1,3,5-Trinitrobenzene	+++++ 0.0725	+++++ 0.0727	0.0625 0.0747	0.0456	0.0654	Ave		0.0656				16.5		20.0			
cis-Diallate	+++++ 0.3212	0.3521 0.3118	0.3464 0.2950	0.2678	0.3214	Ave		0.3165				9.2		20.0			
Phorate	+++++ 0.5210	0.4349 0.5115	0.4496 0.5037	0.4254	0.5297	Ave		0.4822				9.1		20.0			
Phenacetin	+++++ 0.3903	0.2918 0.3829	0.3175 0.3765	0.3231	0.3871	Ave		0.3527				11.5		20.0			
4-Bromophenyl-phenylether	+++++ 0.2327	0.2527 0.2365	0.2356 0.2242	0.1950	0.2394	Ave		0.2309			0.1000	7.8		20.0			
trans-Diallate	+++++ 0.3327	+++++ 0.2986	0.3304 0.2981	0.2617	0.3346	Ave		0.3093				9.3		20.0			
Hexachlorobenzene	0.3234 0.2706	0.2217 0.2588	0.2669 0.2512	0.2136	0.2585	Ave		0.2581			0.1000	13.0		20.0			
Dimethoate	+++++ 0.3044	0.2452 0.2932	0.2532 0.2877	0.2486	0.2914	Ave		0.2748				9.0		20.0			
Atrazine	0.2329	0.2265 0.2651	0.2430 0.2202	0.2368	0.2416	Ave		0.2380			0.0100	6.1		20.0			
Pentachlorophenol	+++++ 0.1694	0.1192 0.1666	0.1354 0.1677	0.1262	0.1567	Ave		0.1488			0.0500	14.3		20.0			
4-Aminobiphenyl	+++++ 0.9034	0.8223 0.8952	0.7748 0.9058	0.7430	0.9127	Ave		0.8510				8.3		20.0			
Pentachloronitrobenzene	+++++ 0.1298	0.1439 0.1230	0.1041 0.1217	0.0997	0.1248	Ave		0.1210				12.4		20.0			
Pronamide	+++++ 0.3721	+++++ 0.3690	0.3399 0.3611	0.2922	0.3805	Ave		0.3525				9.2		20.0			
Dinoseb	+++++ 0.1422	+++++ 0.1455	0.0686 0.1579	0.0921	0.1295	Lin1	-0.148	0.1562							0.9950		0.9900
Disulfoton	+++++ 0.5113	+++++ 0.5131	0.5207 0.5021	0.4263	0.5223	Ave		0.4993				7.3		20.0			
Phenanthrene	1.2444 1.1533	0.9926 1.1561	1.1265 1.1302	1.0124	1.1627	Ave		1.1223			0.7000	7.3		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

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								
Anthracene	1.2661 1.1833	1.0934 1.1882	1.0622 1.1583	0.9966	1.1636	Ave		1.1390			0.7000	7.4		20.0			
Carbazole	+++++ 1.0321	1.0404 1.0361	0.9853 1.0151	0.9052	1.0367	Ave		1.0073			0.0100	4.9		20.0			
Methyl parathion	+++++ 0.2246	+++++ 0.2246	0.1538 0.2297	0.1705	0.2244	Ave		0.2046				16.3		20.0			
Di-n-butyl phthalate	+++++ 1.2275	0.9328 1.2471	1.0733 1.1977	0.9654	1.1697	Ave		1.1162			0.0100	11.4		20.0			
Parathion	+++++ 0.1486	+++++ 0.1451	0.1030 0.1503	0.1112	0.1423	Ave		0.1334				15.5		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.0953	+++++ 0.0986	0.0432 0.1151	0.0593	0.0832	Qua2	-0.043	0.0742	0.0014480						0.9960		0.9900
Octachlorostyrene	+++++ 0.0996	0.1254 0.0987	0.1020 0.1038	0.0892	0.1048	Ave		0.1033				10.7		20.0			
Isodrin	+++++ 0.1390	0.1851 0.1444	0.1440 0.1343	0.1243	0.1455	Ave		0.1452				13.2		20.0			
Fluoranthene	1.2253 1.3952	1.3795 1.4023	1.2482 1.3408	1.1620	1.3627	Ave		1.3145			0.6000	6.9		20.0			
Benzidine	+++++ 0.8948	+++++ 0.7481	0.6916 0.5983	0.6995	0.8216	Ave		0.7423				14.1		20.0			
Pyrene	1.4581 1.3343	1.0765 1.2940	1.1993 1.2828	1.1072	1.2538	Ave		1.2508			0.6000	9.9		20.0			
p-Dimethylamino azobenzene	+++++ 0.2418	0.1910 0.2284	0.1901 0.2368	0.1814	0.2242	Ave		0.2134				11.7		20.0			
Chlorobenzilate	+++++ 0.3237	0.2481 0.3256	0.2573 0.3276	0.2718	0.3126	Ave		0.2952				11.8		20.0			
3,3'-Dimethylbenzidine	+++++ 0.8655	+++++ 0.7957	0.6647 0.8060	0.6668	0.8166	Ave		0.7692				10.9		20.0			
Butylbenzylphthalate	+++++ 0.4756	0.3499 0.4905	0.3882 0.4958	0.3757	0.4462	Ave		0.4317			0.0100	13.8		20.0			
2-Acetylaminofluorene	+++++ 0.4401	+++++ 0.4292	+++++ 0.4847	0.3105	0.4099	Ave		0.4149				15.5		20.0			
3,3'-Dichlorobenzidine	+++++ 0.5084	0.4143 0.4923	0.3795 0.5146	0.4028	0.4704	Ave		0.4546			0.0100	12.1		20.0			
4,4'-Methylene bis(2-chloroaniline)	+++++ 0.2694	0.1996 0.2695	0.2159 0.2724	0.2204	0.2521	Ave		0.2427				12.4		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

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								
Benzo[a]anthracene	1.2491 1.3086	1.0625 1.3109	1.0991 1.3304	1.0866	1.2301	Ave		1.2097			0.8000	9.1		20.0			
Chrysene	1.3801 1.2310	1.0453 1.2319	1.1642 1.2436	1.0627	1.1778	Ave		1.1921			0.7000	9.0		20.0			
Bis(2-ethylhexyl) phthalate	+++++ 0.6988	+++++ 0.7037	0.5117 0.7172	0.5263	0.6386	Ave		0.6327			0.0100	14.6		20.0			
6-Methylchrysene	+++++ 0.8264	0.6362 0.8330	0.7211 0.8601	0.7070	0.7764	Ave		0.7658				10.6		20.0			
Di-n-octyl phthalate	+++++ 1.4133	+++++ 1.3657	0.8522 1.4377	0.9384	1.2166	Lin1	-1.043	1.4411			0.0100				0.9960		0.9900
7,12-Dimethylbenz(a)anthracene	+++++ 0.6637	0.5408 0.6384	0.4793 0.6578	0.4876	0.5919	Ave		0.5799				13.5		20.0			
Benzo[b]fluoranthene	1.2891 1.5444	1.2868 1.5083	1.2611 1.5269	1.1775	1.4436	Ave		1.3797			0.7000	10.3		20.0			
Benzo[k]fluoranthene	1.5316 1.5132	1.3149 1.5097	1.4276 1.5164	1.2853	1.4220	Ave		1.4401			0.7000	6.7		20.0			
Benzo[a]pyrene	1.2880 1.2610	0.9193 1.2328	1.0428 1.2521	0.9812	1.1508	Ave		1.1410			0.7000	12.4		20.0			
3-Methylcholanthrene	+++++ 0.6817	0.5033 0.6805	0.5056 0.7099	0.5318	0.6328	Ave		0.6065				14.9		20.0			
Dibenz[a,h]acridine	+++++ 0.9640	+++++ 0.9252	0.7053 0.9913	0.7032	0.8832	Ave		0.8620				14.8		20.0			
Dibenz[a,j]acridine	+++++ 1.0995	0.9051 1.1003	0.9278 1.1098	0.8427	1.0298	Ave		1.0021				10.9		20.0			
Indeno[1,2,3-cd]pyrene	1.0196 1.0954	0.8638 1.0675	0.8396 1.1286	0.8416	0.9947	Ave		0.9814			0.5000	12.0		20.0			
Dibenz(a,h)anthracene	1.0696 1.2187	0.9705 1.2081	0.9468 1.2823	0.9078	1.1339	Ave		1.0922			0.4000	12.8		20.0			
Benzo[g,h,i]perylene	1.1178 1.2579	1.0187 1.2433	1.1081 1.2822	1.0088	1.1684	Ave		1.1507			0.5000	9.2		20.0			
2-Fluorophenol (Surr)	+++++ 1.4889	1.3132 1.5061	1.4273 1.4315	1.2467	1.4433	Ave		1.4081				6.7		20.0			
Phenol-d5 (Surr)	+++++ 1.9740	1.7585 2.0207	1.9128 1.9581	1.7357	1.9438	Ave		1.9005				5.8		20.0			
Nitrobenzene-d5 (Surr)	+++++ 0.5607	0.4856 0.5476	0.5133 0.5430	0.4887	0.5359	Ave		0.5250				5.6		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

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								
2-Fluorobiphenyl (Surr)	+++++ 1.5753	1.5255 1.6493	1.5918 1.4465	1.3532	1.5773	Ave		1.5313				6.6		20.0			
2,4,6-Tribromophenol (Surr)	+++++ 0.2556	0.2161 0.2678	0.2282 0.2683	0.2091	0.2531	Ave		0.2426				10.1		20.0			
p-Terphenyl-d14 (Surr)	+++++ 1.0425	0.9849 1.0241	0.9111 0.7856	0.8617	0.9831	Ave		0.9419				9.9		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-278565/4	LG2213.D
Level 2	IC 410-278565/5	LG2214.D
Level 3	IC 410-278565/9	LG2218.D
Level 4	IC 410-278565/8	LG2217.D
Level 5	IC 410-278565/7	LG2216.D
Level 6	ICIS 410-278565/2	LG2211.D
Level 7	IC 410-278565/6	LG2215.D
Level 8	IC 410-278565/3	LG2212.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	+++++ 264031	8194 370597	36688 615514	91008	180746	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd 4	Ave	+++++ 448862	6991 665227	52196 1070889	143005	309531	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd 4	Ave	+++++ 1478279	33403 2087191	164717 3456637	447267	965703	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd 4	Ave	+++++ 502599	+++++ 735988	61751 1160128	146481	328029	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd 4	Ave	+++++ 743891	14596 1011022	78100 1676267	217452	484542	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd 4	Ave	+++++ 307980	+++++ 423874	42533 742162	106787	232954	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd 4	Ave	+++++ 440951	11019 623429	47815 974346	133089	289635	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd 4	Ave	+++++ 299313	5550 412522	32089 693394	88793	197288	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd 4	Ave	+++++	8233	32850	98136	208837	+++++	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			319077	450757	715117			12.5	20.0	30.0		
Benzaldehyde	DCBd 4	Ave		14951	72209	231053	418409		0.250	1.25	3.75	7.50
			607094	946987	1270901			12.5	20.0	30.0		
Phenol	DCBd 4	Ave	+++++	19410	86263	266841	552132	+++++	0.250	1.25	3.75	7.50
			834545	1246343	2002819			12.5	20.0	30.0		
Aniline	DCBd 4	Ave	+++++	22711	113195	314201	675882	+++++	0.250	1.25	3.75	7.50
			1042420	1499635	2427011			12.5	20.0	30.0		
Bis(2-chloroethyl)ether	DCBd 4	Ave	+++++	15951	80688	203017	446619	+++++	0.250	1.25	3.75	7.50
			671240	958494	1588718			12.5	20.0	30.0		
2-Chlorophenol	DCBd 4	Ave	+++++	13128	63333	173428	387859	+++++	0.250	1.25	3.75	7.50
			575993	830366	1341592			12.5	20.0	30.0		
1,3-Dichlorobenzene	DCBd 4	Ave	+++++	14872	72780	201464	429517	+++++	0.250	1.25	3.75	7.50
			658762	975224	1553055			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd 4	Ave	+++++	15890	75270	204241	447256	+++++	0.250	1.25	3.75	7.50
			672355	963981	1579746			12.5	20.0	30.0		
Benzyl alcohol	DCBd 4	Ave	+++++	9306	41821	134674	281332	+++++	0.250	1.25	3.75	7.50
			433500	625112	1036047			12.5	20.0	30.0		
1,2-Dichlorobenzene	DCBd 4	Ave	+++++	13924	71577	202487	418257	+++++	0.250	1.25	3.75	7.50
			648629	926085	1518423			12.5	20.0	30.0		
2-Methylphenol	DCBd 4	Ave	+++++	11174	59330	171528	372166	+++++	0.250	1.25	3.75	7.50
			603440	840278	1356269			12.5	20.0	30.0		
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	+++++	18860	88552	243287	524661	+++++	0.250	1.25	3.75	7.50
			764190	1116532	1789873			12.5	20.0	30.0		
N-Nitrosopyrrolidine	DCBd 4	Ave	+++++	7414	38836	104996	233780	+++++	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			342828	483041	824287			12.5	20.0	30.0		
4-Methylphenol (and/or 3-Methylphenol)	DCBd 4	Ave	+++++ 633095	15709 909258	64088 1502512	180727	404112	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd 4	Ave	+++++ 971207	22595 1376283	104048 2275138	300518	648910	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd 4	Ave	+++++ 574426	13844 867652	61767 1415041	171428	373275	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd 4	Ave	+++++ 429630	9268 592413	44963 983239	131758	266750	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o-Toluidine	DCBd 4	Ave	+++++ 1036812	24130 1473121	111989 2483691	309171	679257	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd 4	Ave	+++++ 274011	6779 401116	34157 665768	83771	182803	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	+++++ 853380	23653 1201814	86187 1982797	258444	536103	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	+++++ 300417	6567 448344	31598 709936	93339	201217	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	+++++ 1502807	30747 2154913	154796 3556266	443092	992584	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	+++++ 285372	4365 392293	26344 675863	73003	178670	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	+++++ 669403	14754 991379	73320 1620833	200592	437887	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	+++++ 355399	7778 506868	37054 844407	98641	238908	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	+++++ 848669	18883 1235639	93237 2033994	262581	552095	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	+++++ 547671	11691 788433	53469 1323442	162404	358892	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trichlorobenzene	NPT	Ave	+++++ 657526	12863 938276	73942 1507055	201437	433953	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	21610 1704438	36980 2533606	193555 4114335	521260	1128828	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	+++++ 608795	13467 882264	66177 1493913	178822	392463	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	+++++ 776216	17521 1139828	77288 1885678	231628	516626	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	+++++ 558184	12433 834804	56404 1326279	164439	362667	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	+++++ 457058	8262 667657	47963 1154947	142668	327395	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	+++++ 405008	9872 606304	42287 996663	129600	286499	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	+++++ 1090599	20544 1568695	115693 2651961	329789	751003	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	 194950	+++++ 307192	20797 480286	65752	126495	 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 668940	13043 1017708	58309 1626396	166887	477826	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 879305	15722 1231514	83288 1950709	252466	560480	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	+++++ 583796	10361 840724	55834 1378687	168797	387765	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	+++++ 457358	11144 692646	52439 1148630	145563	313809	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	13480 1187501	22682 1698527	126487 2830356	361595	758499	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	11251 1114176	24565 1665447	116527 2730101	343412	727911	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	+++++ 524660	+++++ 757395	48475 1249318	151698	343796	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	+++++ 776709	16880 1162061	86288 1858871	232768	490188	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	+++++ 85060	+++++ 116795	11110 204958	28112	63427	+++++ 2.00	+++++ 3.20	0.200 4.80	0.600	1.20

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
2,4,6-Trichlorophenol	ANT	Ave	+++++ 468484	10079 681398	46509 1151003	133344	291706	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	+++++ 516354	8225 790472	52748 1237620	154282	346442	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	+++++ 508681	11643 734391	54213 1228612	153820	340797	+++++ 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	+++++ 1566976	31012 2324788	157352 3937569	489044	1008927	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	+++++ 1226708	21948 1782878	139890 3190336	391765	823075	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	+++++ 1202556	24469 1782120	121501 2722432	352617	777476	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	+++++ 875929	15557 1268861	99300 2069470	265587	564755	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	+++++ 383988	6597 559101	32918 932502	109132	240198	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	+++++ 498895	10228 729565	48912 1152627	142418	322611	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 180198	+++++ 254057	12211 440081	51814	114128	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	+++++ 1509920	30944 2215782	156982 3592337	460750	990324	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	+++++ 225967	3623 325854	18909 543520	55338	143939	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	+++++ 325062	5842 463920	28695 798337	95512	207345	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	22341 1846531	35375 2782043	193168 4621182	572519	1213297	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 337762	5174 478823	29771 805519	100680	203947	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	14096 1326118	26604 1897437	139656 3240946	399309	870414	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Lin1	+++++ 293834	+++++ 420430	40080 817391	108731	185146	+++++ 25.0	+++++ 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	+++++ 488168	24799 691454	67713 1179621	145638	306224	+++++ 25.0	1.50 40.0	3.75 60.0	7.50	15.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Pentachlorobenzene	ANT	Ave	+++++ 647488	13960 910040	70897 1513953	195984	431774	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	+++++ 424246	6846 648412	43812 1058514	125322	282070	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	+++++ 1861450	38718 2766594	200158 4506755	561853	1218736	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	+++++ 1244572	28277 1852100	128820 3099187	378096	826167	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	+++++ 450040	8581 675009	40929 1124534	132347	295850	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	+++++ 1297682	24552 1948345	131554 3206732	396688	855356	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	+++++ 1447428	28678 2159823	162489 3510068	434960	938048	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	+++++ 235118	3833 347569	22644 536414	64717	157658	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	18868 1517448	27483 2288528	160454 3877538	466330	983913	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	+++++ 865540	17714 1256484	84933 2062592	265622	561464	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	+++++ 411343	7877 593981	41046 1002364	120398	272581	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 382549	7594 563680	38595 916436	110271	252767	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Lin1	+++++ 402960	+++++ 601687	43376 1135088	93972	249829	+++++ 25.0	+++++ 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	+++++ 1112542	22215 1631099	104977 2664301	340964	719249	+++++ 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	+++++ 1884943	34619 2762318	204447 4534273	576035	1248647	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	+++++ 280601	6543 415327	28992 667253	84309	184325	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	+++++ 150016	+++++ 223760	14099 390688	33455	88709	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 491536	11426 710392	57850 1142165	145248	322826	+++++ 9.25	0.185 14.8	0.925 22.2	2.78	5.55

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Phorate	PHN	Ave	+++++ 1077419	19068 1575180	101445 2635033	311758	719040	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	+++++ 807141	12793 1179134	71651 1969563	236821	525457	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	+++++ 481354	11079 728340	53173 1173133	142896	324991	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 178886	+++++ 239075	19383 405417	49878	118096	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	7007 559554	9720 797013	60221 1314232	156521	350872	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	+++++ 629535	10751 902735	57140 1505179	182241	395578	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	 481728	9933 816382	54822 1151903	173523	327950	 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 700827	26143 1026035	61107 1754996	185036	425294	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
4-Aminobiphenyl	PHN	Ave	+++++ 1868412	36055 2756599	174831 4738700	544562	1238885	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	+++++ 268432	6309 378866	23484 636765	73056	169435	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	+++++ 769619	+++++ 1136389	76704 1889097	214140	516508	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Lin1	+++++ 293999	+++++ 447963	15482 826300	67497	175754	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	+++++ 1057477	+++++ 1580067	117504 2626829	312478	708965	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	26961 2385169	43522 3560087	254203 5912942	742039	1578273	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	27431 2447294	47941 3658950	239683 6059502	730413	1579579	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	+++++ 2134485	45618 3190511	222339 5310354	663447	1407205	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	+++++ 464553	+++++ 691667	34704 1201924	124984	304583	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	+++++ 2538652	40899 3840400	242191 6266033	707594	1587740	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Parathion	PHN	Ave	+++++ 307248	+++++ 446834	23248 786538	81506	193219	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Qua2	+++++ 197014	+++++ 303691	9758 601974	43476	112914	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	+++++ 205943	5498 303979	23007 543295	65343	142230	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	+++++ 287470	8116 444684	32501 702690	91077	197545	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	26547 2885605	60485 4318030	281661 7014369	851643	1849813	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 6161596	+++++ 7832457	541064 10284785	1702354	3881706	+++++ 37.5	+++++ 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	35148 3062635	51697 4516302	312764 7349729	898118	1974738	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR10	Ave	+++++ 554900	9174 797177	49574 1356803	147139	353054	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	+++++ 742935	11916 1136283	67090 1877187	220482	492283	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	+++++ 1986574	+++++ 2777259	173335 4618245	540876	1286047	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Butylbenzylphthalate	PYR10	Ave	+++++ 1091584	16801 1711793	101223 2840973	304801	702695	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 1010038	+++++ 1498078	+++++ 2777141	251886	645534	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	+++++ 1166974	19897 1718091	98960 2948296	326790	740840	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	+++++	9585	56313	178777	396998	+++++	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			618241	940643	1560547			12.5	20.0	30.0		
Benzo[a]anthracene	PYR10	Ave	30109 3003717	51026 4575045	286618 7622632	881413	1937351	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	33266 2825427	50200 4299593	303595 7125040	862064	1854920	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	+++++ 1604026	+++++ 2455975	133429 4109130	426930	1005736	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	+++++ 1896927	30551 2907389	188061 4927923	573521	1222859	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Lin1	+++++ 2636307	+++++ 3937630	176610 7006314	631185	1586106	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	+++++ 1238086	20621 1840597	99328 3205610	327962	771627	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	25809 2880806	49066 4348729	261365 7440722	791974	1881963	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	30664 2822617	50138 4352739	295869 7389733	864471	1853833	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	25787 2352221	35053 3554358	216117 6101599	659921	1500334	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	+++++ 1271580	19193 1962090	104780 3459497	357654	824985	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	+++++ 1798141	+++++ 2667489	146166 4830981	472935	1151467	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	+++++ 2050861	34512 3172479	192287 5408055	566762	1342591	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	20414 2043334	32939 3077841	173998 5499952	566038	1296832	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	21414 2273280	37008 3483087	196222 6249150	610594	1478300	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	22380 2346314	38845 3584715	229651 6248414	678479	1523232	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
2-Fluorophenol (Surr)	DCBd 4	Ave	+++++ 1215333	24284 1728873	130075 2821425	358137	797236	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd 4	Ave	+++++ 1611286	32519 2319604	174325 3859152	498613	1073725	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	+++++ 1690702	30831 2426332	174127 3958263	512018	1100186	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	+++++ 3193933	64748 4769371	333415 7096572	951570	2041743	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	+++++ 518196	9174 774514	47801 1316227	147059	327660	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	+++++ 4785755	94597 7148518	475170 9002251	1397995	3096676	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua2 = Quadratic 1/conc^2 ISTD

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 278565

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/22/2022 13:57 Calibration End Date: 07/22/2022 16:27 Calibration ID: 41241

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-278565/4	LG2213.D
Level 2	IC 410-278565/5	LG2214.D
Level 3	IC 410-278565/9	LG2218.D
Level 4	IC 410-278565/8	LG2217.D
Level 5	IC 410-278565/7	LG2216.D
Level 6	ICIS 410-278565/2	LG2211.D
Level 7	IC 410-278565/6	LG2215.D
Level 8	IC 410-278565/3	LG2212.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
2,4-Dinitrophenol	+++++ -4.4	+++++ 6.0	17.9	-10.9	-8.6	-0.1	30	30	50	30	30	30
4,6-Dinitro-2-methylphenol	+++++ -4.1	+++++ 4.2	14.8	-12.8	-0.8	-1.3	30	30	50	30	30	30
Dinoseb	+++++ -2.1	+++++ 4.3	19.6	-15.8	-4.5	-1.4	30	30	50	30	30	30
4-Nitroquinoline-1-oxide	+++++ -1.8	+++++ -0.7	2.3	-10.4	4.1	5.8	30	30	50	30	30	30
Di-n-octyl phthalate	+++++ -1.6	+++++ 2.2	17.1	-15.6	-5.9	3.9	30	30	50	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2211.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 22-Jul-2022 13:57:42 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: apb10206 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub40

Method: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Jul-2022 18:04:58 Calib Date: 22-Jul-2022 16:27:33
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: P7EB Date: 24-Jul-2022 15:32:16

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.838	1.838	0.000	93	264031	12.5	11.6	
	2 N-Nitrosodimethylamine	74	2.063	2.063	0.000	93	448862	12.5	13.1	
	3 Pyridine	79	2.106	2.106	0.000	97	1478279	25.0	25.8	
	4 Dimethylformamide	73	2.389	2.389	0.000	93	502599	12.5	12.7	
	5 2-Picoline	93	2.710	2.710	0.000	94	743891	12.5	13.5	
	6 N-Nitrosomethylethylamine	88	2.796	2.796	0.000	96	307980	12.5	11.9	
	9 Methyl methanesulfonate	80	3.063	3.063	0.000	86	440951	12.5	12.8	
$	10 2-Fluorophenol	112	3.218	3.218	0.000	95	1215333	25.0	26.4	
	11 N-Nitrosodiethylamine	102	3.448	3.448	0.000	95	299313	12.5	13.4	
	13 Ethyl methanesulfonate	109	3.732	3.732	0.000	96	319077	12.5	12.8	
	15 Benzaldehyde	77	4.064	4.064	0.000	92	607094	12.5	12.1	
$	16 Phenol-d5	99	4.101	4.101	0.000	97	1611286	25.0	26.0	
	17 Phenol	94	4.117	4.117	0.000	99	834545	12.5	12.7	
	18 Aniline	93	4.160	4.160	0.000	97	1042420	12.5	13.0	
	19 Bis(2-chloroethyl)ether	93	4.224	4.224	0.000	94	671240	12.5	12.6	
	20 2-Chlorophenol	128	4.272	4.272	0.000	94	575993	12.5	12.8	
	22 1,3-Dichlorobenzene	146	4.427	4.427	0.000	95	658762	12.5	12.8	
*	24 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	96	163248	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.497	4.497	0.000	91	672355	12.5	12.7	
	27 Benzyl alcohol	108	4.604	4.604	0.000	89	433500	12.5	13.1	
	29 1,2-Dichlorobenzene	146	4.641	4.641	0.000	93	648629	12.5	12.9	
	31 2-Methylphenol	108	4.700	4.700	0.000	98	603440	12.5	13.8	
	32 2,2'-oxybis[1-chloropropane]	45	4.737	4.737	0.000	91	764190	12.5	12.4	
	34 N-Nitrosopyrrolidine	100	4.839	4.839	0.000	91	342828	12.5	12.8	
	36 4-Methylphenol	108	4.850	4.850	0.000	96	633095	12.5	12.9	
	37 N-Nitrosodi-n-propylamine	70	4.860	4.860	0.000	70	574426	12.5	12.6	
	35 Acetophenone	105	4.860	4.860	0.000	90	971207	12.5	12.8	
	38 N-Nitrosomorpholine	56	4.877	4.877	0.000	86	429630	12.5	13.2	
	39 2-Toluidine	106	4.893	4.893	0.000	95	1036812	12.5	12.8	
	23 alpha,alpha-Dimethyl phenethylam	58		4.967				ND	ND	U
	40 Hexachloroethane	117	4.967	4.967	0.000	89	274011	12.5	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	5.005	5.005	0.000	87	1690702	25.0	26.7	
42 Nitrobenzene	77	5.026	5.026	0.000	85	853380	12.5	12.6	
44 N-Nitrosopiperidine	114	5.171	5.171	0.000	83	300417	12.5	12.8	
46 Isophorone	82	5.251	5.251	0.000	99	1502807	12.5	13.1	
47 2-Nitrophenol	139	5.326	5.326	0.000	96	285372	12.5	14.3	
48 2,4-Dimethylphenol	107	5.363	5.363	0.000	97	669403	12.5	12.8	
49 o,o',o''-Triethylphosphorothioat	198	5.433	5.433	0.000	84	355399	12.5	13.0	
51 Bis(2-chloroethoxy)methane	93	5.460	5.460	0.000	99	848669	12.5	12.8	
52 2,4-Dichlorophenol	162	5.550	5.550	0.000	95	547671	12.5	13.1	
54 1,2,4-Trichlorobenzene	180	5.636	5.636	0.000	92	657526	12.5	13.1	
* 55 Naphthalene-d8	136	5.695	5.695	0.000	99	603022	5.00	5.00	
56 Naphthalene	128	5.716	5.716	0.000	99	1704438	12.5	12.3	
26 Alpha-Terpineol	59	5.722	5.722	0.000	92	608795	12.5	12.8	a
57 4-Chloroaniline	127	5.764	5.764	0.000	93	776216	12.5	12.9	
58 2,6-Dichlorophenol	162	5.770	5.770	0.000	95	558184	12.5	12.9	
59 Hexachloropropene	213	5.796	5.796	0.000	88	457058	12.5	12.9	
60 Hexachlorobutadiene	225	5.834	5.834	0.000	94	405008	12.5	12.4	
62 Quinoline	129	6.032	6.032	0.000	94	1090599	12.5	13.1	
64 Caprolactam	113	6.080	6.080	0.000	76	194950	12.5	12.6	
65 N-Nitrosodi-n-butylamine	84	6.085	6.085	0.000	92	668940	12.5	13.4	
33 p-Phenylene diamine	108	6.101	6.101	0.000	94	879305	12.5	13.8	
66 4-Chloro-3-methylphenol	107	6.219	6.219	0.000	94	583796	12.5	13.6	
67 Safrole, Total	162	6.294	6.294	0.000	85	457358	12.5	12.2	
69 2-Methylnaphthalene	142	6.374	6.374	0.000	91	1187501	12.5	13.0	
70 1-Methylnaphthalene	142	6.465	6.465	0.000	92	1114176	12.5	12.8	
71 Hexachlorocyclopentadiene	237	6.524	6.524	0.000	95	524660	12.5	13.0	
72 1,2,4,5-Tetrachlorobenzene	216	6.529	6.529	0.000	96	776709	12.5	12.5	
73 Isosafrole Peak 1	162	6.572	6.572	0.000	89	85060	2.00	1.89	
74 2,4,6-Trichlorophenol	196	6.636	6.636	0.000	85	468484	12.5	12.8	
75 2,4,5-Trichlorophenol	196	6.668	6.668	0.000	94	516354	12.5	13.0	
$ 76 2-Fluorobiphenyl (Surr)	172	6.722	6.722	0.000	99	3193933	25.0	25.7	
77 Isosafrole Peak 2	162	6.786	6.786	0.000	91	508681	10.5	10.4	
79 1,1'-Biphenyl	154	6.818	6.818	0.000	96	1566976	12.5	12.7	
80 2-Chloronaphthalene	162	6.834	6.834	0.000	97	1226708	12.5	12.5	
81 1-Chloronaphthalene	162	6.856	6.856	0.000	98	1202556	12.5	12.9	
82 Phenyl ether	170	6.920	6.920	0.000	91	875929	12.5	12.8	
83 2-Nitroaniline	138	6.930	6.930	0.000	77	383988	12.5	13.5	
84 1,4-Naphthoquinone	158	7.005	7.005	0.000	84	498895	12.5	13.0	
85 1,4-Dinitrobenzene	168	7.064	7.064	0.000	87	180198	12.5	13.7	
86 Dimethyl phthalate	163	7.107	7.107	0.000	98	1509920	12.5	12.7	
87 1,3-Dinitrobenzene	168	7.134	7.134	0.000	85	225967	12.5	13.9	
88 2,6-Dinitrotoluene	165	7.160	7.160	0.000	92	325062	12.5	13.3	
90 Acenaphthylene	152	7.230	7.230	0.000	98	1846531	12.5	12.3	
91 3-Nitroaniline	138	7.315	7.315	0.000	89	337762	12.5	13.7	
* 92 Acenaphthene-d10	164	7.364	7.364	0.000	95	405500	5.00	5.00	
93 Acenaphthene	153	7.390	7.390	0.000	98	1326118	12.5	12.6	
94 2,4-Dinitrophenol	184	7.417	7.417	0.000	85	293834	25.0	25.0	
96 4-Nitrophenol	109	7.471	7.471	0.000	93	488168	25.0	26.8	
98 Pentachlorobenzene	250	7.513	7.513	0.000	98	647488	12.5	12.6	
99 2,4-Dinitrotoluene	165	7.540	7.540	0.000	88	424246	12.5	12.9	
100 Dibenzofuran	168	7.556	7.556	0.000	97	1861450	12.5	12.5	
101 1-Naphthylamine	143	7.631	7.631	0.000	98	1244572	12.5	12.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.669	7.669	0.000	72	450040	12.5	13.0	a
103 2-Naphthylamine	143	7.706	7.706	0.000	95	1297682	12.5	12.7	
104 Diethyl phthalate	149	7.781	7.781	0.000	98	1447428	12.5	12.6	
106 Thionazin	107	7.856	7.856	0.000	77	235118	12.5	13.4	
105 Fluorene	166	7.882	7.882	0.000	91	1517448	12.5	12.3	
108 4-Chlorophenyl phenyl ether	204	7.888	7.888	0.000	89	865540	12.5	12.8	
107 N-Nitro-o-toluidine	152	7.888	7.888	0.000	89	411343	12.5	12.9	
109 4-Nitroaniline	138	7.893	7.893	0.000	78	382549	12.5	12.8	
110 4,6-Dinitro-2-methylphenol	198	7.925	7.925	0.000	85	402960	25.0	24.7	
111 N-Nitrosodiphenylamine	169	7.995	7.995	0.000	99	1112542	10.6	11.3	
112 1,2-Diphenylhydrazine	77	8.038	8.038	0.000	98	1884943	12.5	13.1	a
$ 113 2,4,6-Tribromophenol	330	8.107	8.107	0.000	95	518196	25.0	26.3	
114 Sulfotepp	97	8.155	8.155	0.000	77	280601	12.5	12.8	
175 1,3,5-Trinitrobenzene	213	8.241	8.241	0.000	83	150016	12.5	13.8	
115 cis-Diallate	86	8.273	8.273	0.000	74	491536	9.25	9.39	
116 Phorate	75	8.284	8.284	0.000	95	1077419	12.5	13.5	
117 Phenacetin	108	8.289	8.289	0.000	94	807141	12.5	13.8	
118 4-Bromophenyl phenyl ether	248	8.348	8.348	0.000	67	481354	12.5	12.6	
119 trans-Diallate	86	8.358	8.358	0.000	93	178886	3.25	3.50	
120 Hexachlorobenzene	284	8.396	8.396	0.000	96	559554	12.5	13.1	
121 Dimethoate	87	8.439	8.439	0.000	95	629535	12.5	13.8	
122 Atrazine	200	8.508	8.508	0.000	94	481728	12.5	12.2	
123 Pentachlorophenol	266	8.583	8.583	0.000	93	700827	25.0	28.5	
124 4-Aminobiphenyl	169	8.594	8.594	0.000	91	1868412	12.5	13.3	
125 Pentachloronitrobenzene	237	8.594	8.594	0.000	87	268432	12.5	13.4	
126 Pronamide	173	8.653	8.653	0.000	91	769619	12.5	13.2	
128 Dinoseb	211	8.765	8.765	0.000	96	293999	12.5	12.3	
* 127 Phenanthrene-d10	188	8.770	8.770	0.000	97	827272	5.00	5.00	
68 Disulfoton	88	8.781	8.781	0.000	97	1057477	12.5	12.8	
129 Phenanthrene	178	8.792	8.792	0.000	97	2385169	12.5	12.8	
130 Anthracene	178	8.840	8.840	0.000	98	2447294	12.5	13.0	
131 Carbazole	167	8.995	8.995	0.000	96	2134485	12.5	12.8	
132 Methyl parathion	109	9.129	9.129	0.000	94	464553	12.5	13.7	
133 Di-n-butyl phthalate	149	9.337	9.337	0.000	100	2538652	12.5	13.7	
134 Ethyl Parathion	109	9.503	9.503	0.000	83	307248	12.5	13.9	
135 4-Nitroquinoline-1-oxide	190	9.524	9.524	0.000	87	197014	12.5	13.2	
S 63 Diallate	86				0		12.5	12.9	
136 Octachlorostyrene	308	9.738	9.738	0.000	91	205943	12.5	12.0	
137 Isodrin	193	9.781	9.781	0.000	93	287470	12.5	12.0	
138 Fluoranthene	202	9.920	9.920	0.000	98	2885605	12.5	13.3	
139 Benzidine	184	10.059	10.059	0.000	99	6161596	37.5	45.2	
* 140 Pyrene-d10 (IS)	212	10.118	10.118	0.000	96	918112	5.00	5.00	
141 Pyrene	202	10.140	10.140	0.000	97	3062635	12.5	13.3	
$ 142 p-Terphenyl-d14	244	10.300	10.300	0.000	99	4785755	25.0	27.7	
143 p-Dimethylamino azobenzene	225	10.439	10.439	0.000	89	554900	12.5	14.2	
144 Chlorobenzilate	139	10.487	10.487	0.000	93	742935	12.5	13.7	
145 3,3'-Dimethylbenzidine	212	10.787	10.787	0.000	98	1986574	12.5	14.1	
146 Butyl benzyl phthalate	149	10.814	10.814	0.000	96	1091584	12.5	13.8	
147 2-Acetylaminofluorene	181	11.060	11.060	0.000	91	1010038	12.5	13.3	
148 3,3'-Dichlorobenzidine	252	11.397	11.397	0.000	73	1166974	12.5	14.0	
150 4,4'-Methylene bis(2-chloroani	231	11.407	11.407	0.000	95	618241	12.5	13.9	
149 Benzo[a]anthracene	228	11.413	11.413	0.000	97	3003717	12.5	13.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
151 Chrysene	228	11.455	11.455	0.000	95	2825427	12.5	12.9	
152 Bis(2-ethylhexyl) phthalate	149	11.493	11.493	0.000	97	1604026	12.5	13.8	
153 6-Methylchrysene	242	12.022	12.022	0.000	97	1896927	12.5	13.5	
154 Di-n-octyl phthalate	149	12.354	12.354	0.000	99	2636307	12.5	13.0	
156 7,12-Dimethylbenz(a)anthracene	256	12.814	12.814	0.000	78	1238086	12.5	14.3	
155 Benzo[b]fluoranthene	252	12.814	12.814	0.000	95	2880806	12.5	14.0	
157 Benzo[k]fluoranthene	252	12.851	12.851	0.000	97	2822617	12.5	13.1	
158 Benzo[a]pyrene	252	13.269	13.269	0.000	76	2352221	12.5	13.8	
* 159 Perylene-d12	264	13.349	13.349	0.000	98	746120	5.00	5.00	
160 3-Methylcholanthrene	268	13.787	13.787	0.000	89	1271580	12.5	14.0	
161 Dibenz[a,h]acridine	279	14.600	14.600	0.000	90	1798141	12.5	14.0	a
162 Dibenz[a,j]acridine	279	14.681	14.681	0.000	95	2050861	12.5	13.7	a
163 Indeno[1,2,3-cd]pyrene	276	14.959	14.959	0.000	98	2043334	12.5	14.0	
164 Dibenz(a,h)anthracene	278	15.007	15.007	0.000	92	2273280	12.5	13.9	
165 Benzo[g,h,i]perylene	276	15.408	15.408	0.000	97	2346314	12.5	13.7	
S 166 Isosafrole	162				0		12.5	12.3	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_6_00031 Amount Added: 1.00 Units: mL

Report Date: 25-Jul-2022 18:04:59 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2211.D

Injection Date: 22-Jul-2022 13:57:42 Instrument ID: HP20296 Operator ID: apb10206

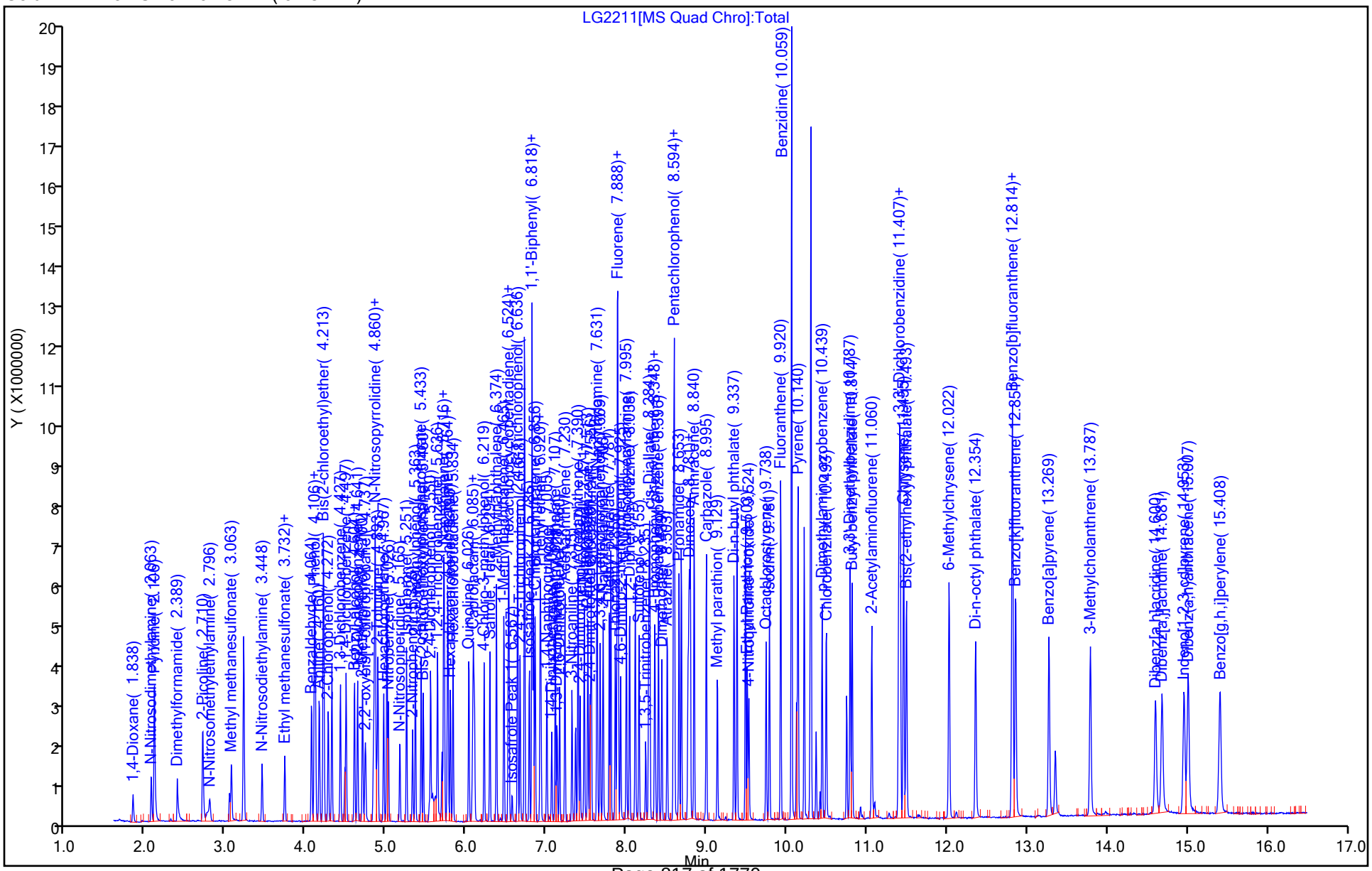
Lims ID: ICIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

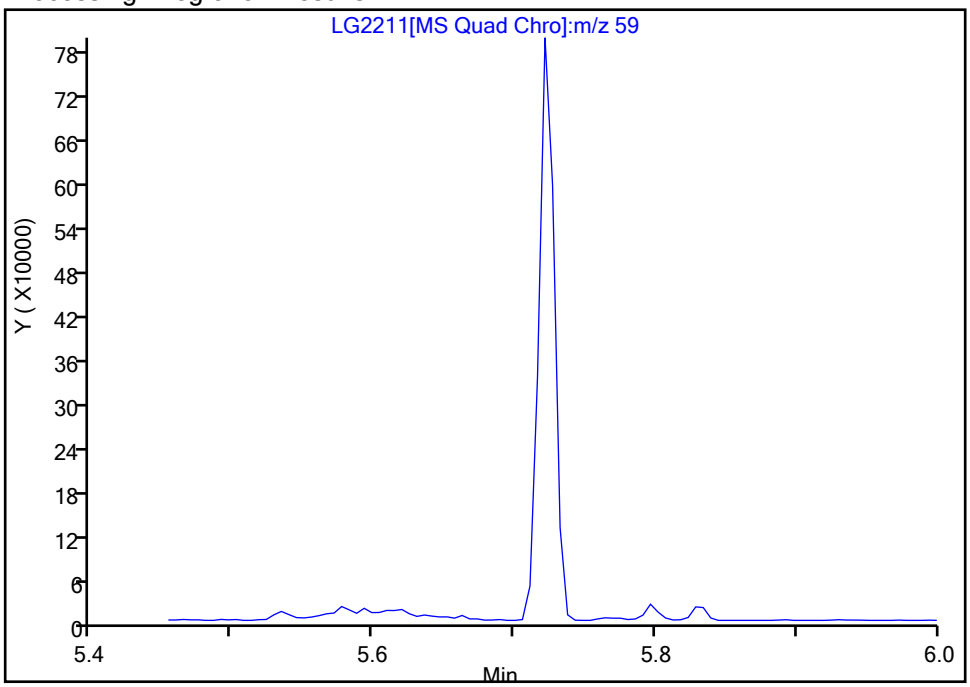
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2211.D				
Injection Date:	22-Jul-2022 13:57:42	Instrument ID:	HP20296		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

26 Alpha-Terpineol, CAS: 98-55-5

Signal: 1

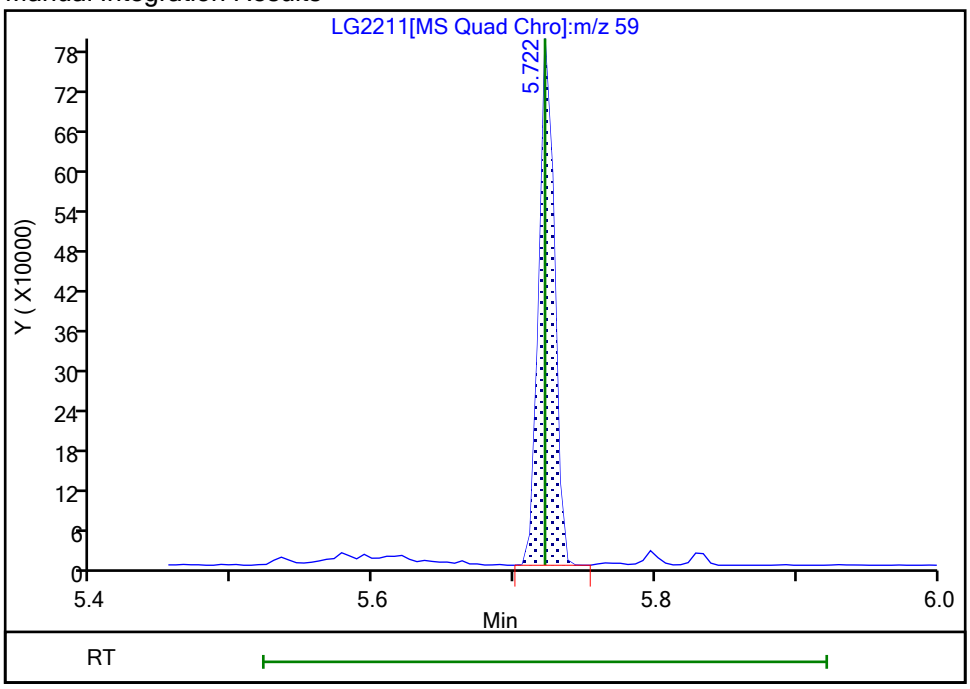
Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results

RT: 5.72
Area: 608795
Amount: 12.848988
Amount Units: ug/ml



Reviewer: bauera, 23-Jul-2022 09:06:29
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

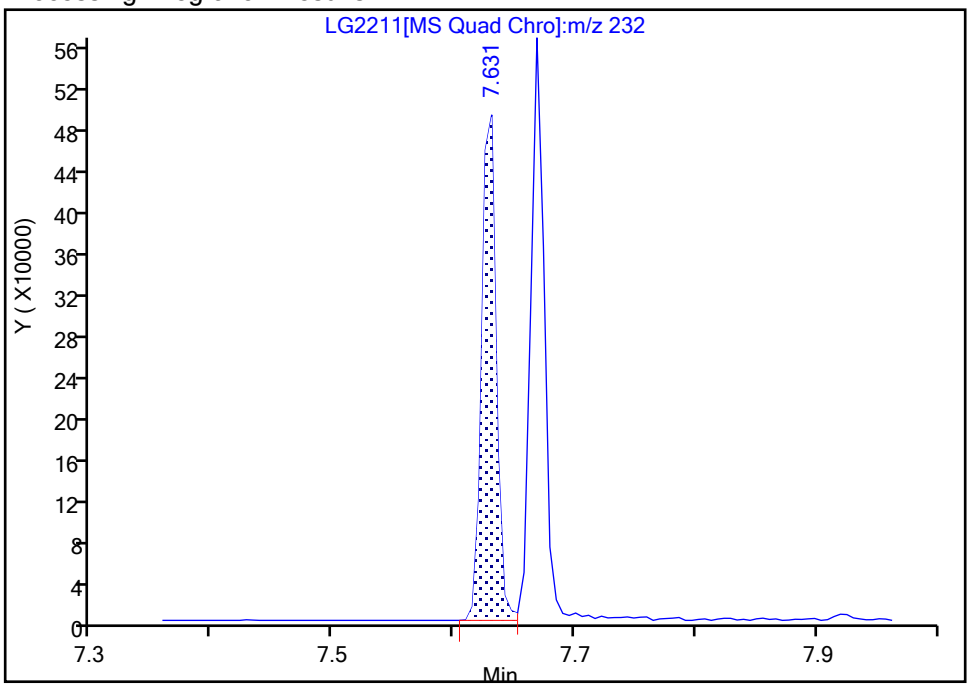
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2211.D				
Injection Date:	22-Jul-2022 13:57:42	Instrument ID:	HP20296		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

102 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

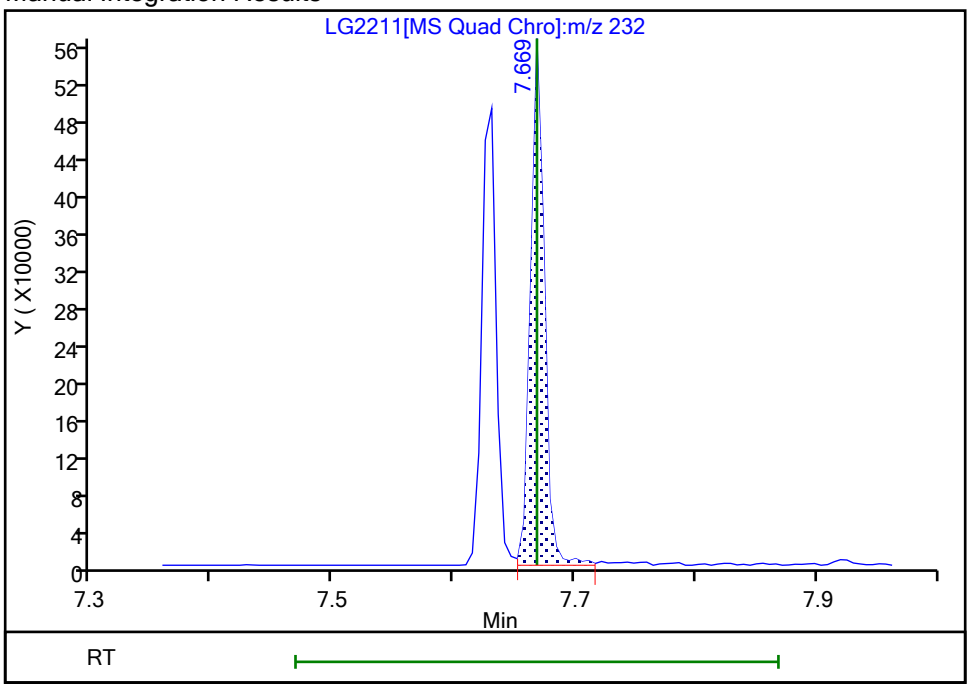
Processing Integration Results

RT: 7.63
Area: 413436
Amount: 12.849142
Amount Units: ug/ml



Manual Integration Results

RT: 7.67
Area: 450040
Amount: 12.957385
Amount Units: ug/ml



Reviewer: P7EB, 25-Jul-2022 14:44:40

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

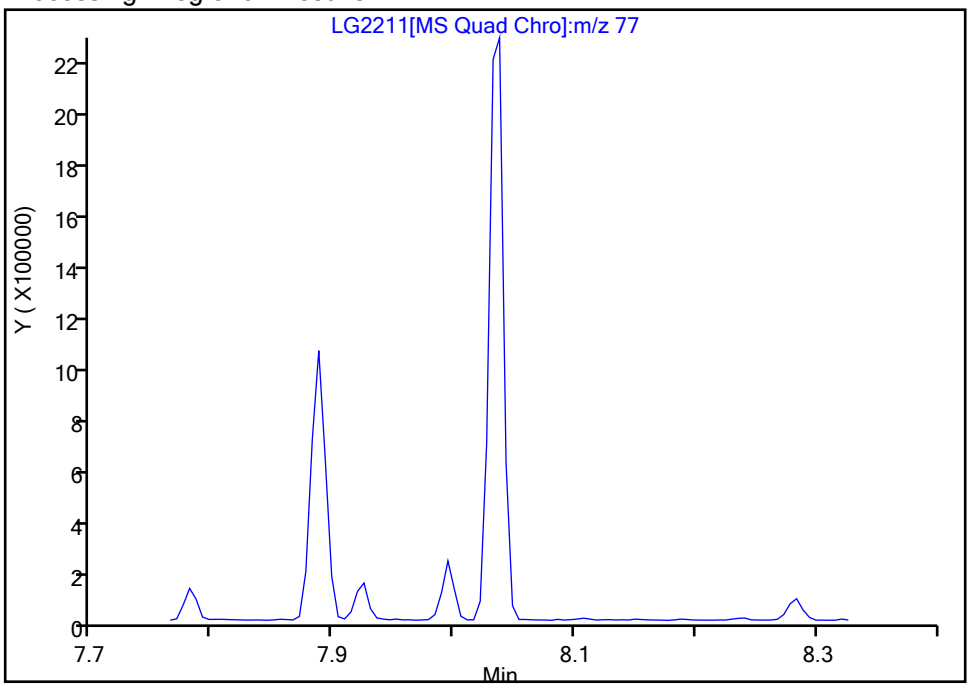
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2211.D				
Injection Date:	22-Jul-2022 13:57:42	Instrument ID:	HP20296		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

112 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

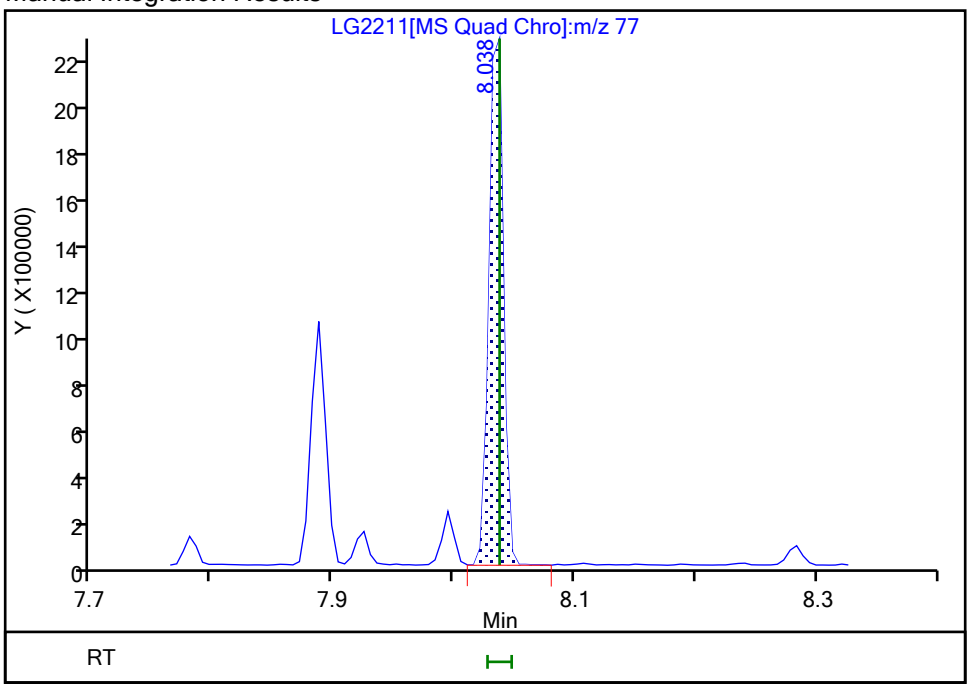
Not Detected
Expected RT: 8.04

Processing Integration Results



Manual Integration Results

RT: 8.04
Area: 1884943
Amount: 13.123872
Amount Units: ug/ml



Reviewer: bauera, 23-Jul-2022 09:06:17
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

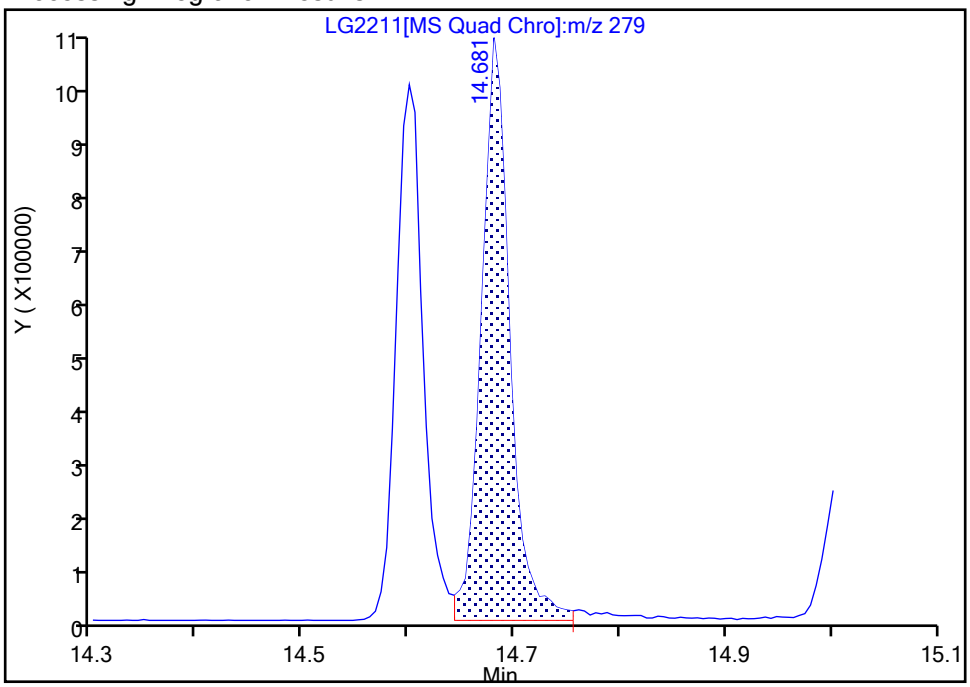
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2211.D
Injection Date: 22-Jul-2022 13:57:42 Instrument ID: HP20296
Lims ID: ICIS L6
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

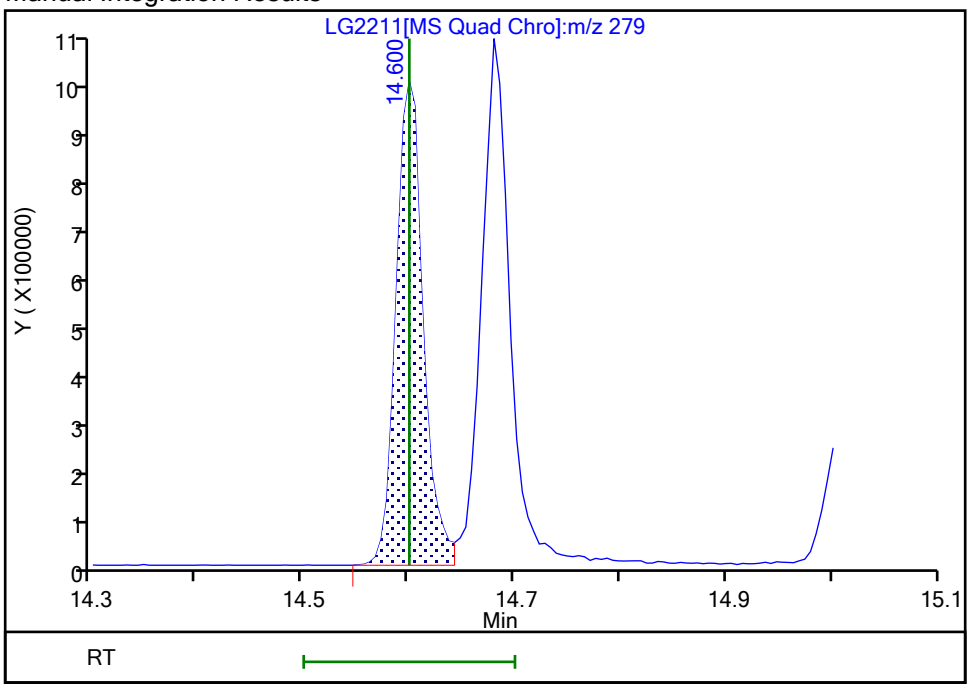
Processing Integration Results

RT: 14.68
Area: 2050861
Amount: 14.251643
Amount Units: ug/ml



Manual Integration Results

RT: 14.60
Area: 1798141
Amount: 13.978554
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:15:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

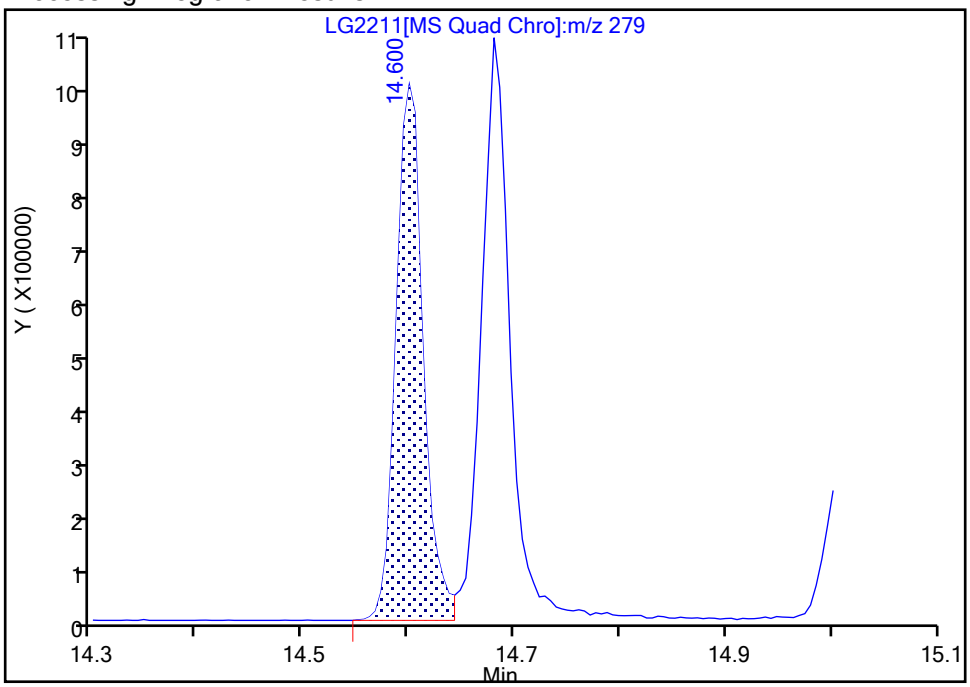
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2211.D				
Injection Date:	22-Jul-2022 13:57:42	Instrument ID:	HP20296		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

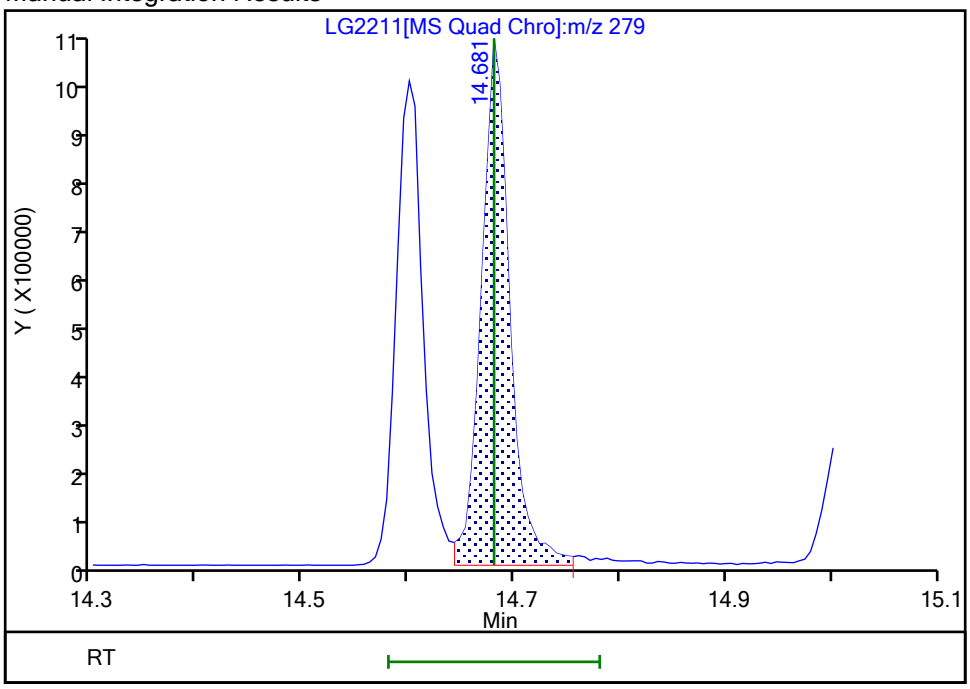
Processing Integration Results

RT: 14.60
Area: 1798141
Amount: 12.101581
Amount Units: ug/ml



Manual Integration Results

RT: 14.68
Area: 2050861
Amount: 13.714182
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:15:16

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2212.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-Jul-2022 14:18:58 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Operator ID: apb10206 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub40

Method: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Jul-2022 18:05:06 Calib Date: 22-Jul-2022 16:27:33
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: bauera Date: 22-Jul-2022 15:10:24

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.839	1.838	0.001	94	615514	30.0	26.8	
	2 N-Nitrosodimethylamine	74	2.069	2.063	0.005	94	1070889	30.0	31.0	
	3 Pyridine	79	2.106	2.106	0.000	97	3456637	60.0	59.9	
	4 Dimethylformamide	73	2.389	2.389	0.000	93	1160128	30.0	29.2	
	5 2-Picoline	93	2.710	2.710	0.000	94	1676267	30.0	30.2	
	6 N-Nitrosomethylethylamine	88	2.801	2.796	0.005	95	742162	30.0	28.4	
	9 Methyl methanesulfonate	80	3.074	3.063	0.011	86	974346	30.0	28.2	
$	10 2-Fluorophenol	112	3.229	3.218	0.011	94	2821425	60.0	61.0	
	11 N-Nitrosodiethylamine	102	3.454	3.448	0.006	95	693394	30.0	30.8	
	13 Ethyl methanesulfonate	109	3.737	3.732	0.005	96	715117	30.0	28.5	
	15 Benzaldehyde	77	4.069	4.064	0.005	93	1270901	30.0	25.2	
$	16 Phenol-d5	99	4.112	4.101	0.011	97	3859152	60.0	61.8	
	17 Phenol	94	4.122	4.117	0.005	99	2002819	30.0	30.3	
	18 Aniline	93	4.165	4.160	0.005	96	2427011	30.0	30.1	
	19 Bis(2-chloroethyl)ether	93	4.224	4.224	0.000	93	1588718	30.0	29.6	
	20 2-Chlorophenol	128	4.278	4.272	0.006	94	1341592	30.0	29.7	
	22 1,3-Dichlorobenzene	146	4.427	4.427	0.000	95	1553055	30.0	29.9	
*	24 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	98	164241	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.502	4.497	0.005	92	1579746	30.0	29.7	
	27 Benzyl alcohol	108	4.609	4.604	0.005	90	1036047	30.0	31.2	
	29 1,2-Dichlorobenzene	146	4.641	4.641	0.000	94	1518423	30.0	30.1	
	31 2-Methylphenol	108	4.705	4.700	0.005	97	1356269	30.0	30.8	
	32 2,2'-oxybis[1-chloropropane]	45	4.737	4.737	0.000	92	1789873	30.0	28.9	
	34 N-Nitrosopyrrolidine	100	4.844	4.839	0.005	91	824287	30.0	30.6	
	36 4-Methylphenol	108	4.855	4.850	0.005	97	1502512	30.0	30.5	
	37 N-Nitrosodi-n-propylamine	70	4.866	4.860	0.006	87	1415041	30.0	30.9	
	35 Acetophenone	105	4.866	4.860	0.006	93	2275138	30.0	29.8	
	38 N-Nitrosomorpholine	56	4.887	4.877	0.011	92	983239	30.0	30.1	
	39 2-Toluidine	106	4.898	4.893	0.005	95	2483691	30.0	30.6	
	23 alpha,alpha-Dimethyl phenethylam	58		4.967				ND	ND	U
	40 Hexachloroethane	117	4.967	4.967	0.000	90	665768	30.0	29.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	5.010	5.005	0.005	87	3958263	60.0	62.1	
42 Nitrobenzene	77	5.032	5.026	0.006	85	1982797	30.0	29.1	
44 N-Nitrosopiperidine	114	5.171	5.171	0.000	83	709936	30.0	30.0	
46 Isophorone	82	5.256	5.251	0.005	99	3556266	30.0	30.9	
47 2-Nitrophenol	139	5.331	5.326	0.005	96	675863	30.0	33.6	
48 2,4-Dimethylphenol	107	5.363	5.363	0.000	98	1620833	30.0	30.7	
49 o,o',o''-Triethylphosphorothioat	198	5.438	5.433	0.005	81	844407	30.0	30.8	
51 Bis(2-chloroethoxy)methane	93	5.465	5.460	0.005	98	2033994	30.0	30.3	
52 2,4-Dichlorophenol	162	5.556	5.550	0.006	96	1323442	30.0	31.4	
54 1,2,4-Trichlorobenzene	180	5.641	5.636	0.005	92	1507055	30.0	29.7	
* 55 Naphthalene-d8	136	5.695	5.695	0.000	99	607420	5.00	5.00	a
56 Naphthalene	128	5.716	5.716	0.000	99	4114335	30.0	29.6	
26 Alpha-Terpineol	59	5.727	5.722	0.005	92	1493913	30.0	31.3	a
57 4-Chloroaniline	127	5.764	5.764	0.000	94	1885678	30.0	31.0	
58 2,6-Dichlorophenol	162	5.775	5.770	0.005	95	1326279	30.0	30.5	
59 Hexachloropropene	213	5.802	5.796	0.006	87	1154947	30.0	32.4	
60 Hexachlorobutadiene	225	5.834	5.834	0.000	94	996663	30.0	30.2	
62 Quinoline	129	6.032	6.032	0.000	94	2651961	30.0	31.5	
64 Caprolactam	113	6.096	6.080	0.016	72	480286	30.0	30.8	
65 N-Nitrosodi-n-butylamine	84	6.091	6.085	0.006	90	1626396	30.0	32.4	
33 p-Phenylene diamine	108	6.107	6.101	0.006	94	1950709	30.0	30.5	
66 4-Chloro-3-methylphenol	107	6.224	6.219	0.005	94	1378687	30.0	31.8	
67 Safrole, Total	162	6.294	6.294	0.000	88	1148630	30.0	30.4	
69 2-Methylnaphthalene	142	6.374	6.374	0.000	91	2830356	30.0	30.7	
70 1-Methylnaphthalene	142	6.470	6.465	0.005	92	2730101	30.0	31.2	
71 Hexachlorocyclopentadiene	237	6.524	6.524	0.000	95	1249318	30.0	30.8	
72 1,2,4,5-Tetrachlorobenzene	216	6.529	6.529	0.000	97	1858871	30.0	29.7	
73 Isosafrole Peak 1	162	6.572	6.572	0.000	87	204958	4.80	4.52	
74 2,4,6-Trichlorophenol	196	6.642	6.636	0.006	84	1151003	30.0	31.3	
75 2,4,5-Trichlorophenol	196	6.674	6.668	0.006	93	1237620	30.0	30.9	
$ 76 2-Fluorobiphenyl (Surr)	172	6.727	6.722	0.005	96	7096572	60.0	56.7	
77 Isosafrole Peak 2	162	6.786	6.786	0.000	91	1228612	25.2	25.0	
79 1,1'-Biphenyl	154	6.818	6.818	0.000	95	3937569	30.0	31.6	
80 2-Chloronaphthalene	162	6.839	6.834	0.005	96	3190336	30.0	32.1	
81 1-Chloronaphthalene	162	6.861	6.856	0.005	99	2722432	30.0	29.0	
82 Phenyl ether	170	6.920	6.920	0.000	90	2069470	30.0	30.1	
83 2-Nitroaniline	138	6.930	6.930	0.000	76	932502	30.0	32.6	
84 1,4-Naphthoquinone	158	7.005	7.005	0.000	82	1152627	30.0	29.7	
85 1,4-Dinitrobenzene	168	7.069	7.064	0.005	87	440081	30.0	33.2	
86 Dimethyl phthalate	163	7.112	7.107	0.005	98	3592337	30.0	29.9	
87 1,3-Dinitrobenzene	168	7.134	7.134	0.000	84	543520	30.0	33.2	
88 2,6-Dinitrotoluene	165	7.166	7.160	0.006	92	798337	30.0	32.4	
90 Acenaphthylene	152	7.230	7.230	0.000	98	4621182	30.0	30.5	
91 3-Nitroaniline	138	7.321	7.315	0.006	90	805519	30.0	32.5	
* 92 Acenaphthene-d10	164	7.364	7.364	0.000	96	408845	5.00	5.00	
93 Acenaphthene	153	7.396	7.390	0.006	97	3240946	30.0	30.5	
94 2,4-Dinitrophenol	184	7.422	7.417	0.005	85	817391	60.0	63.6	
96 4-Nitrophenol	109	7.476	7.471	0.005	92	1179621	60.0	64.1	
98 Pentachlorobenzene	250	7.513	7.513	0.000	98	1513953	30.0	29.2	
99 2,4-Dinitrotoluene	165	7.546	7.540	0.006	90	1058514	30.0	32.0	
100 Dibenzofuran	168	7.556	7.556	0.000	97	4506755	30.0	30.1	
101 1-Naphthylamine	143	7.636	7.631	0.005	99	3099187	30.0	30.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.669	7.669	0.001	71	1124534	30.0	32.1	a
103 2-Naphthylamine	143	7.706	7.706	0.000	96	3206732	30.0	31.2	
104 Diethyl phthalate	149	7.786	7.781	0.005	98	3510068	30.0	30.2	
106 Thionazin	107	7.861	7.856	0.005	77	536414	30.0	30.3	
105 Fluorene	166	7.882	7.882	0.000	93	3877538	30.0	31.1	
108 4-Chlorophenyl phenyl ether	204	7.888	7.888	0.000	91	2062592	30.0	30.3	
107 N-Nitro-o-toluidine	152	7.893	7.888	0.005	90	1002364	30.0	31.2	
109 4-Nitroaniline	138	7.904	7.893	0.011	80	916436	30.0	30.5	
110 4,6-Dinitro-2-methylphenol	198	7.931	7.925	0.006	86	1135088	60.0	62.5	
111 N-Nitrosodiphenylamine	169	8.000	7.995	0.005	98	2664301	25.5	25.7	
112 1,2-Diphenylhydrazine	77	8.038	8.038	0.000	98	4534273	30.0	30.0	a
$ 113 2,4,6-Tribromophenol	330	8.107	8.107	0.000	94	1316227	60.0	66.3	
114 Sulfotepp	97	8.155	8.155	0.000	77	667253	30.0	28.9	
175 1,3,5-Trinitrobenzene	213	8.246	8.241	0.005	83	390688	30.0	34.2	
115 cis-Diallate	86	8.273	8.273	0.000	84	1142165	22.2	20.7	
116 Phorate	75	8.284	8.284	0.000	95	2635033	30.0	31.3	
117 Phenacetin	108	8.294	8.289	0.005	88	1969563	30.0	32.0	
118 4-Bromophenyl phenyl ether	248	8.348	8.348	0.000	67	1173133	30.0	29.1	
119 trans-Diallate	86	8.359	8.358	0.000	94	405417	7.80	7.52	
120 Hexachlorobenzene	284	8.396	8.396	0.000	95	1314232	30.0	29.2	
121 Dimethoate	87	8.444	8.439	0.005	96	1505179	30.0	31.4	a
122 Atrazine	200	8.508	8.508	0.000	93	1151903	30.0	27.8	
123 Pentachlorophenol	266	8.589	8.583	0.005	93	1754996	60.0	67.7	
124 4-Aminobiphenyl	169	8.594	8.594	0.000	91	4738700	30.0	31.9	
125 Pentachloronitrobenzene	237	8.599	8.594	0.005	86	636765	30.0	30.2	
126 Pronamide	173	8.653	8.653	0.000	90	1889097	30.0	30.7	
128 Dinoseb	211	8.765	8.765	0.000	97	826300	30.0	31.3	
* 127 Phenanthrene-d10	188	8.770	8.770	0.000	97	871925	5.00	5.00	
68 Disulfoton	88	8.781	8.781	0.000	96	2626829	30.0	30.2	
129 Phenanthrene	178	8.792	8.792	0.000	97	5912942	30.0	30.2	
130 Anthracene	178	8.840	8.840	0.000	98	6059502	30.0	30.5	
S 53 Dinitrotoluene	165				0			64.4	
131 Carbazole	167	8.995	8.995	0.000	96	5310354	30.0	30.2	
132 Methyl parathion	109	9.129	9.129	0.000	94	1201924	30.0	33.7	
133 Di-n-butyl phthalate	149	9.337	9.337	0.000	100	6266033	30.0	32.2	
134 Ethyl Parathion	109	9.503	9.503	0.000	84	786538	30.0	33.8	
135 4-Nitroquinoline-1-oxide	190	9.530	9.524	0.006	95	601974	30.0	29.8	
S 63 Diallate	86				0		30.0	28.2	
136 Octachlorostyrene	308	9.738	9.738	0.000	89	543295	30.0	30.1	
137 Isodrin	193	9.781	9.781	0.000	94	702690	30.0	27.7	
138 Fluoranthene	202	9.920	9.920	0.000	98	7014369	30.0	30.6	
139 Benzidine	184	10.065	10.059	0.006	96	10284785	90.0	72.5	
* 140 Pyrene-d10 (IS)	212	10.118	10.118	0.000	95	954928	5.00	5.00	
141 Pyrene	202	10.140	10.140	0.000	97	7349729	30.0	30.8	
$ 142 p-Terphenyl-d14	244	10.300	10.300	0.000	96	9002251	60.0	50.0	
143 p-Dimethylamino azobenzene	225	10.439	10.439	0.000	91	1356803	30.0	33.3	
144 Chlorobenzilate	139	10.487	10.487	0.000	94	1877187	30.0	33.3	
145 3,3'-Dimethylbenzidine	212	10.787	10.787	0.000	99	4618245	30.0	31.4	
146 Butyl benzyl phthalate	149	10.814	10.814	0.000	96	2840973	30.0	34.5	
147 2-Acetylaminofluorene	181	11.060	11.060	0.000	93	2777141	30.0	35.0	
148 3,3'-Dichlorobenzidine	252	11.397	11.397	0.001	74	2948296	30.0	34.0	
150 4,4'-Methylene bis(2-chloroani	231	11.402	11.407	-0.005	95	1560547	30.0	33.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.413	11.413	0.000	98	7622632	30.0	33.0	
151 Chrysene	228	11.455	11.455	0.000	96	7125040	30.0	31.3	
152 Bis(2-ethylhexyl) phthalate	149	11.487	11.493	-0.006	97	4109130	30.0	34.0	
S 89 Aramite, Total	185		11.583				30.0	ND	
153 6-Methylchrysene	242	12.022	12.022	0.000	97	4927923	30.0	33.7	
154 Di-n-octyl phthalate	149	12.354	12.354	0.000	99	7006314	30.0	30.7	
156 7,12-Dimethylbenz(a)anthracene	256	12.814	12.814	0.000	74	3205610	30.0	34.0	
155 Benzo[b]fluoranthene	252	12.814	12.814	0.000	96	7440722	30.0	33.2	
157 Benzo[k]fluoranthene	252	12.857	12.851	0.006	98	7389733	30.0	31.6	
158 Benzo[a]pyrene	252	13.274	13.269	0.005	76	6101599	30.0	32.9	
* 159 Perylene-d12	264	13.349	13.349	0.000	98	812202	5.00	5.00	
160 3-Methylcholanthrene	268	13.793	13.787	0.006	89	3459497	30.0	35.1	
161 Dibenz[a,h]acridine	279	14.606	14.600	0.006	89	4830981	30.0	34.5	a
162 Dibenz[a,j]acridine	279	14.686	14.681	0.005	95	5408055	30.0	33.2	a
163 Indeno[1,2,3-cd]pyrene	276	14.964	14.959	0.005	98	5499952	30.0	34.5	
164 Dibenz(a,h)anthracene	278	15.012	15.007	0.005	91	6249150	30.0	35.2	
165 Benzo[g,h,i]perylene	276	15.413	15.408	0.005	97	6248414	30.0	33.4	
S 166 Isosafrole	162				0		30.0	29.5	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_8_00025 Amount Added: 1.00 Units: mL

Report Date: 25-Jul-2022 18:05:07 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2212.D

Injection Date: 22-Jul-2022 14:18:58 Instrument ID: HP20296 Operator ID: apb10206

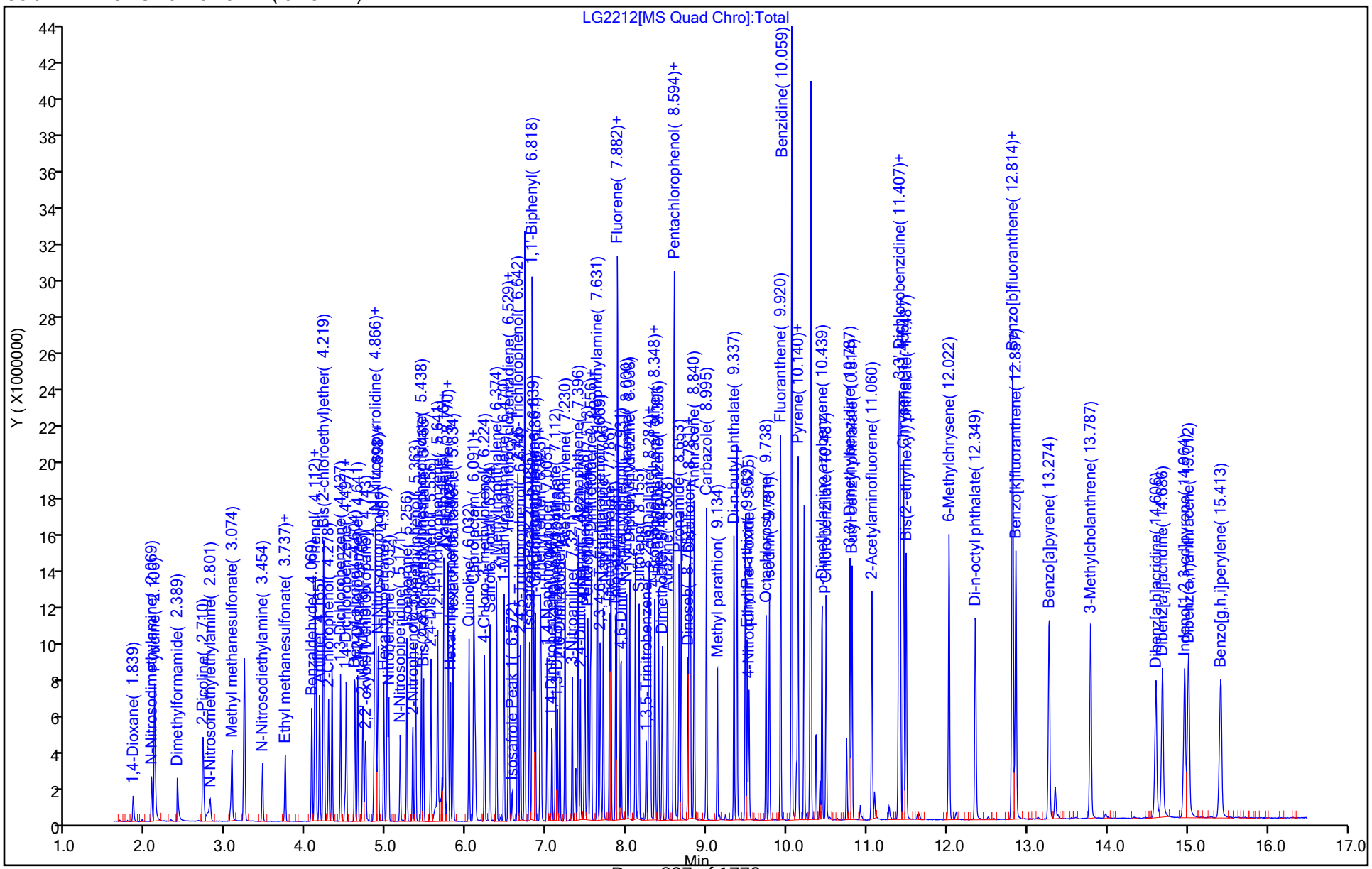
Lims ID: IC L8 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

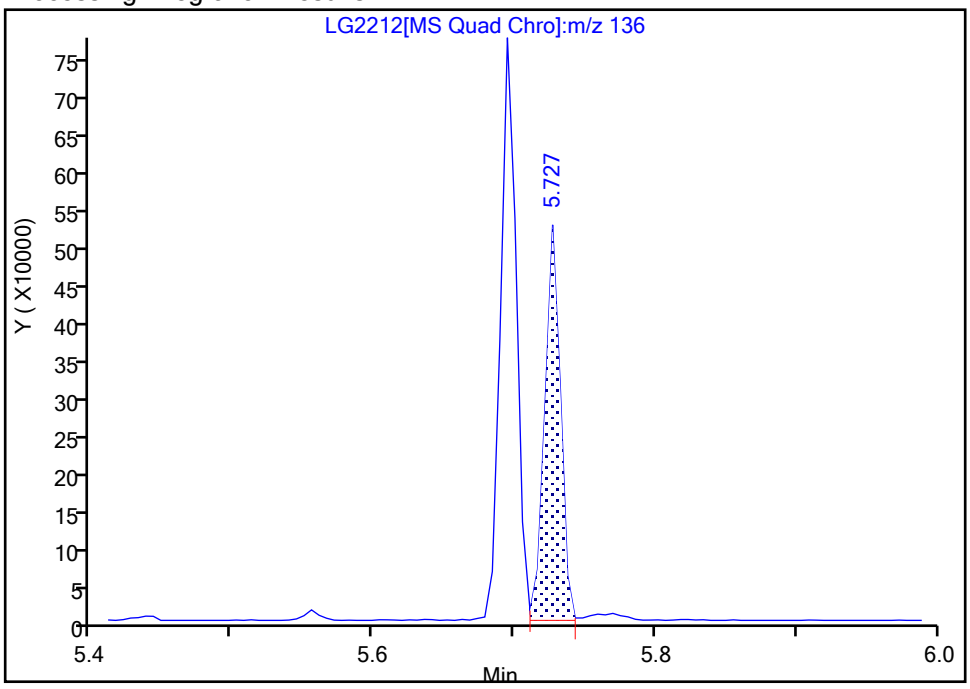
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2212.D
Injection Date: 22-Jul-2022 14:18:58 Instrument ID: HP20296
Lims ID: IC L8
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

* 55 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

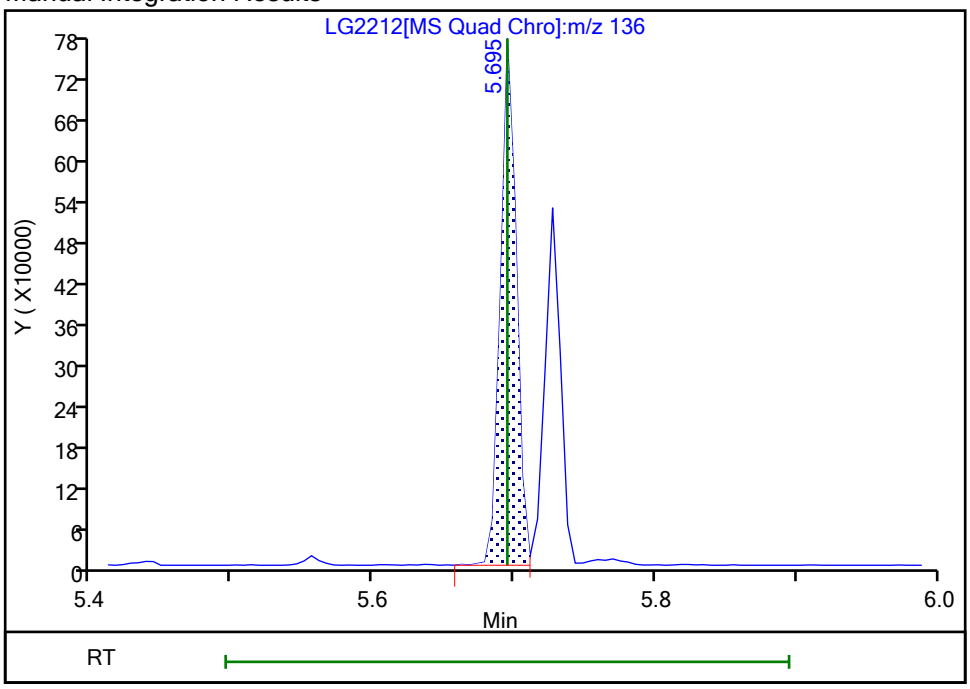
Processing Integration Results

RT: 5.73
Area: 405353
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.69
Area: 607420
Amount: 5.000000
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 12:58:42
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

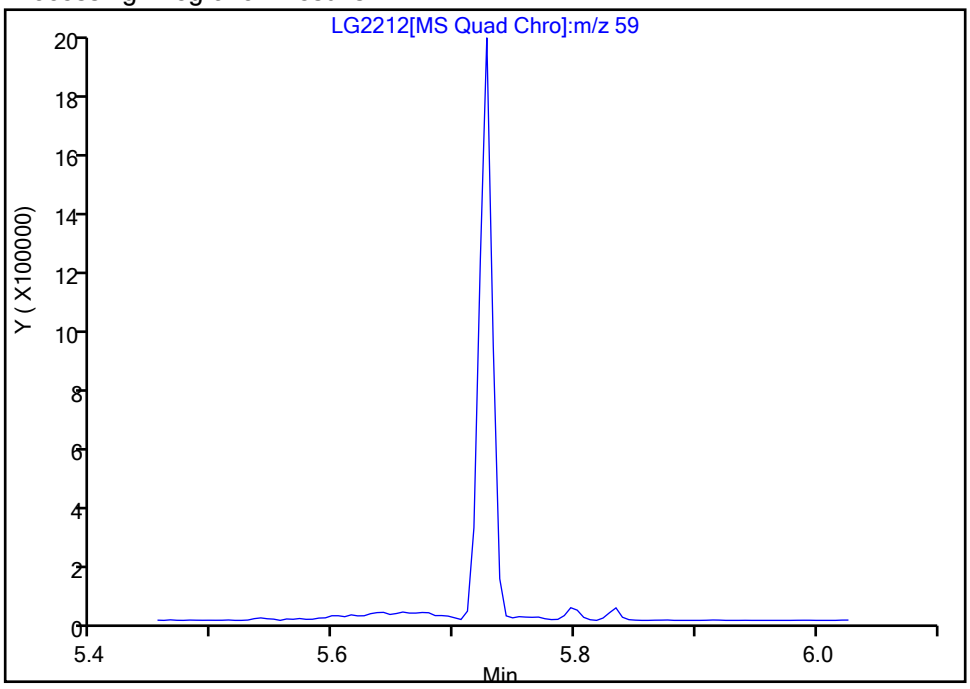
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2212.D				
Injection Date:	22-Jul-2022 14:18:58	Instrument ID:	HP20296		
Lims ID:	IC L8				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

26 Alpha-Terpineol, CAS: 98-55-5

Signal: 1

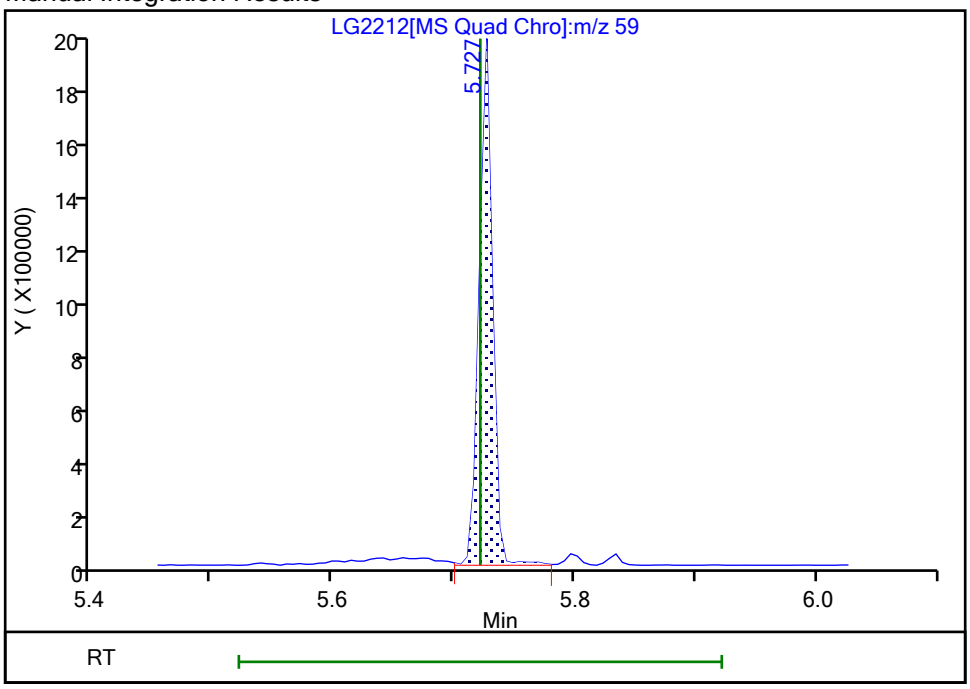
Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results

RT: 5.73
Area: 1493913
Amount: 31.301649
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 12:58:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

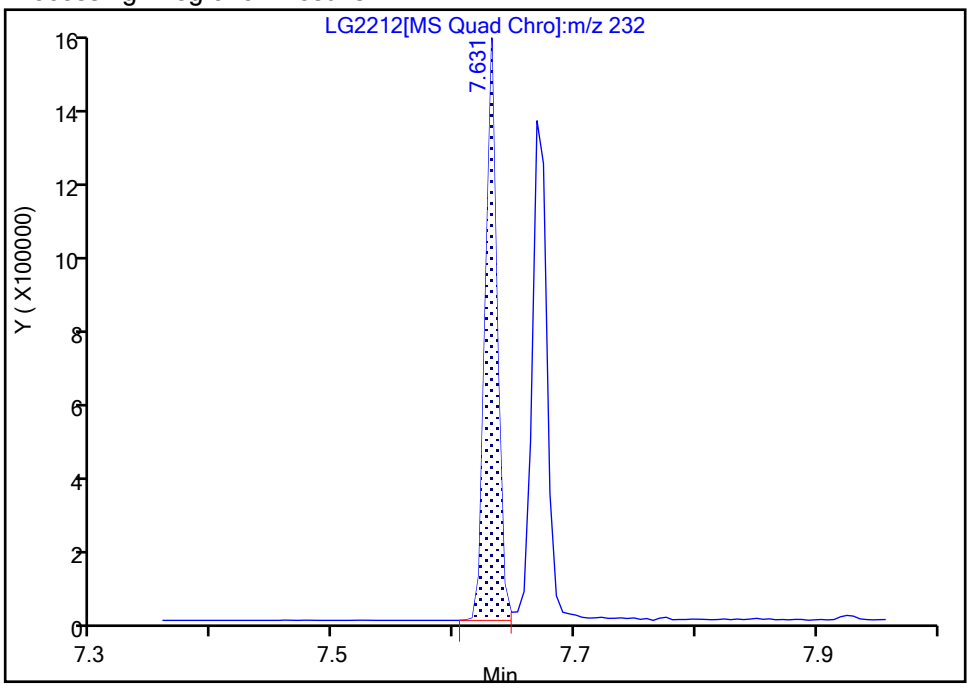
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2212.D				
Injection Date:	22-Jul-2022 14:18:58	Instrument ID:	HP20296		
Lims ID:	IC L8				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

102 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

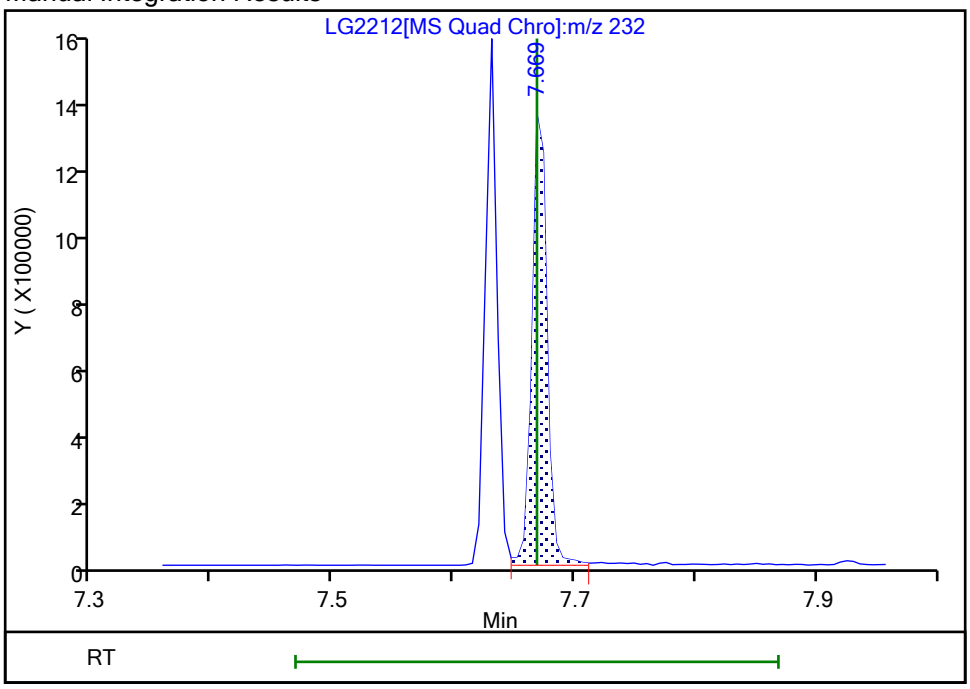
Processing Integration Results

RT: 7.63
Area: 1031026
Amount: 31.781004
Amount Units: ug/ml



Manual Integration Results

RT: 7.67
Area: 1124534
Amount: 32.112269
Amount Units: ug/ml



Reviewer: P7EB, 25-Jul-2022 14:45:15

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

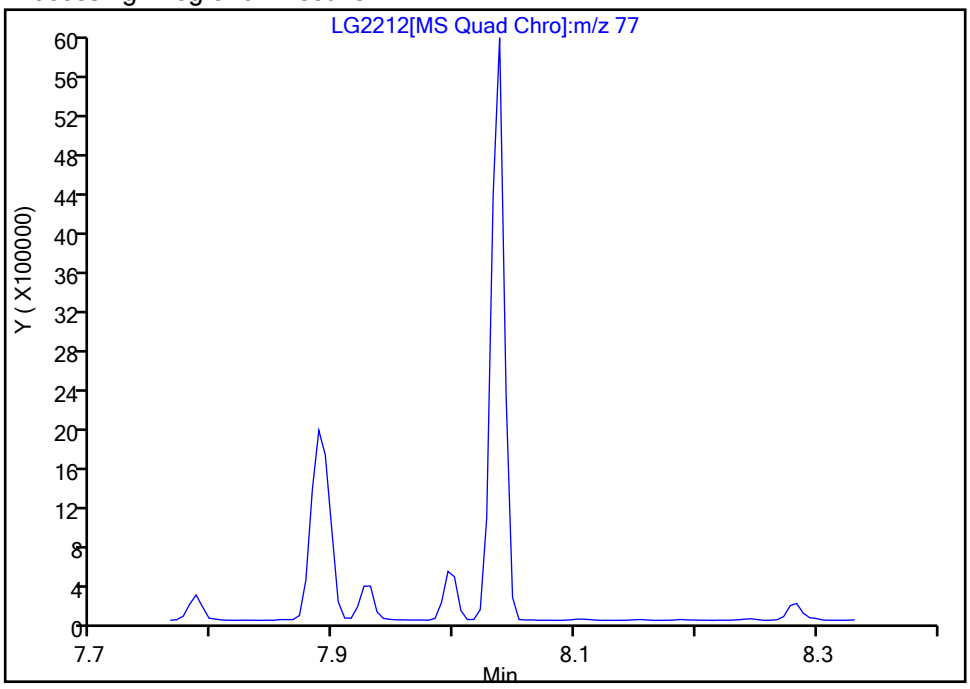
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2212.D				
Injection Date:	22-Jul-2022 14:18:58	Instrument ID:	HP20296		
Lims ID:	IC L8				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

112 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

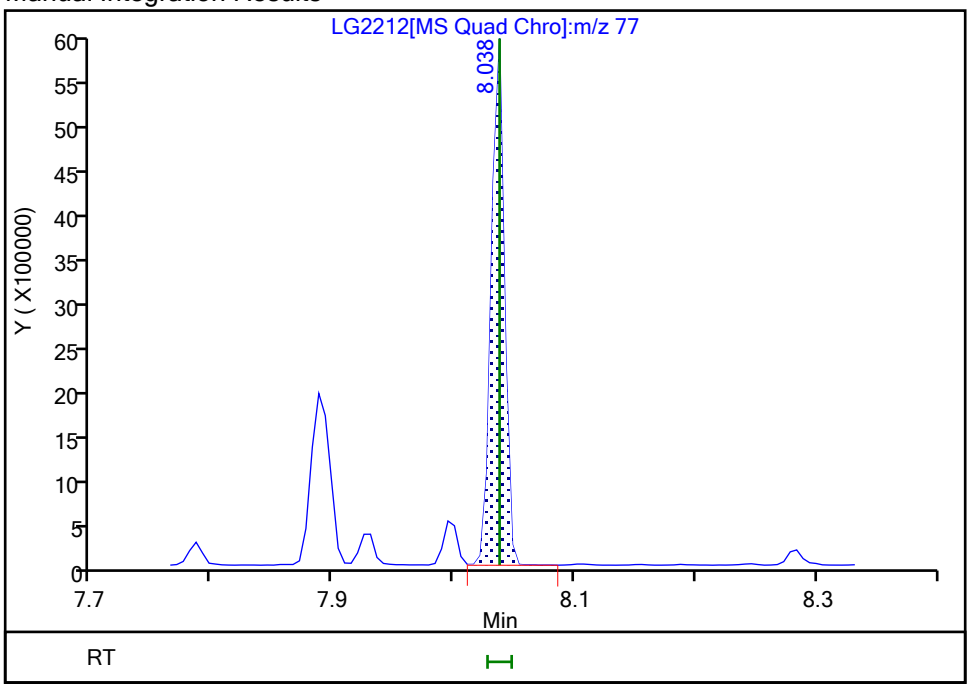
Not Detected
Expected RT: 8.04

Processing Integration Results



Manual Integration Results

RT: 8.04
Area: 4534273
Amount: 29.953022
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 12:59:03
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

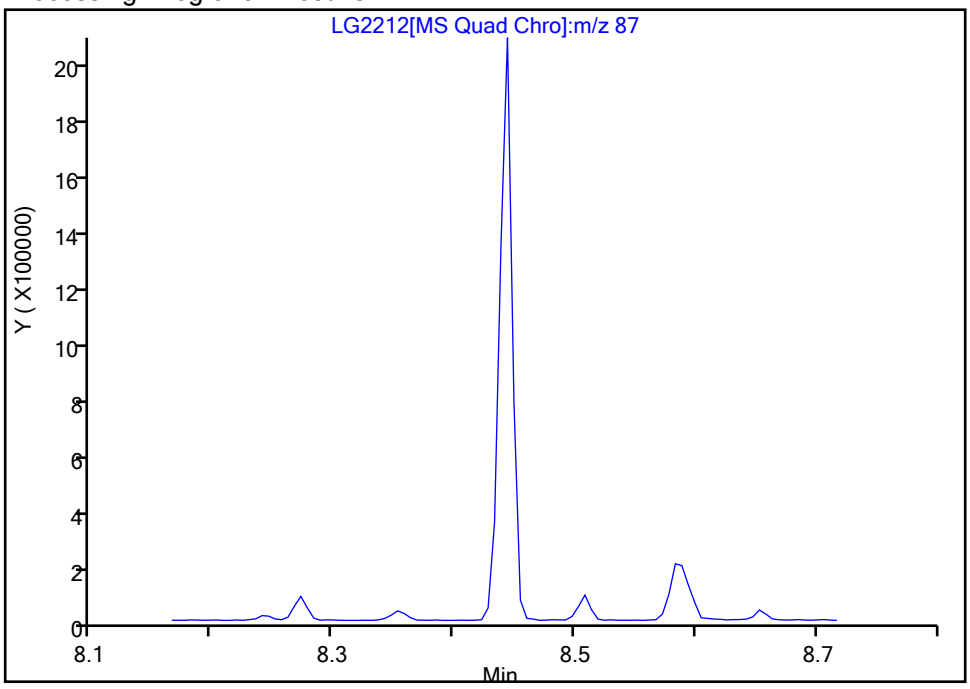
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2212.D				
Injection Date:	22-Jul-2022 14:18:58	Instrument ID:	HP20296		
Lims ID:	IC L8				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

121 Dimethoate, CAS: 60-51-5

Signal: 1

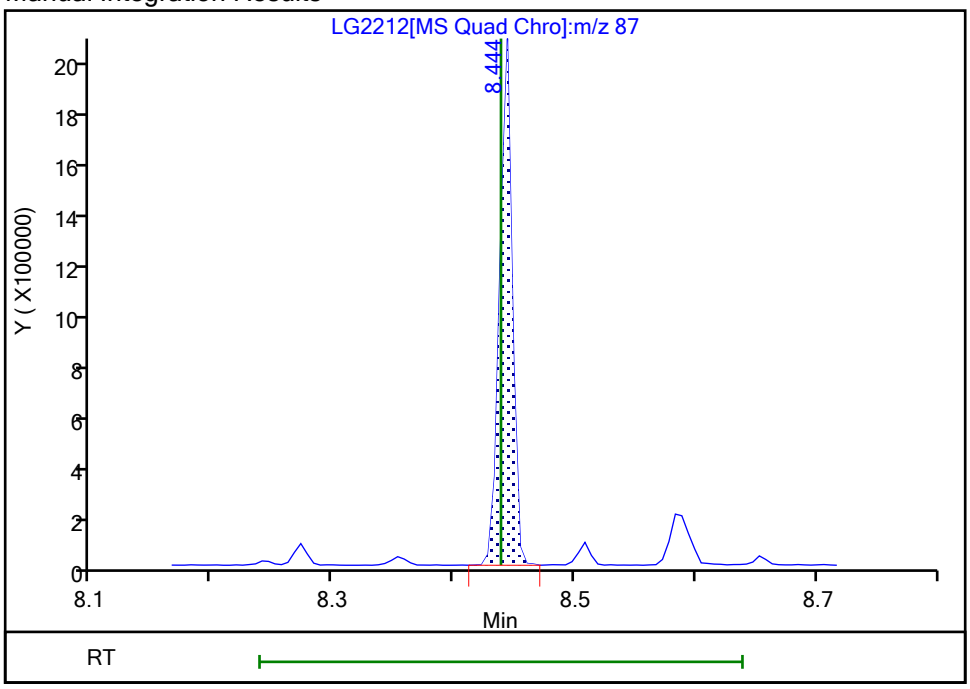
Not Detected
Expected RT: 8.44

Processing Integration Results



Manual Integration Results

RT: 8.44
Area: 1505179
Amount: 31.407293
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 12:59:12
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

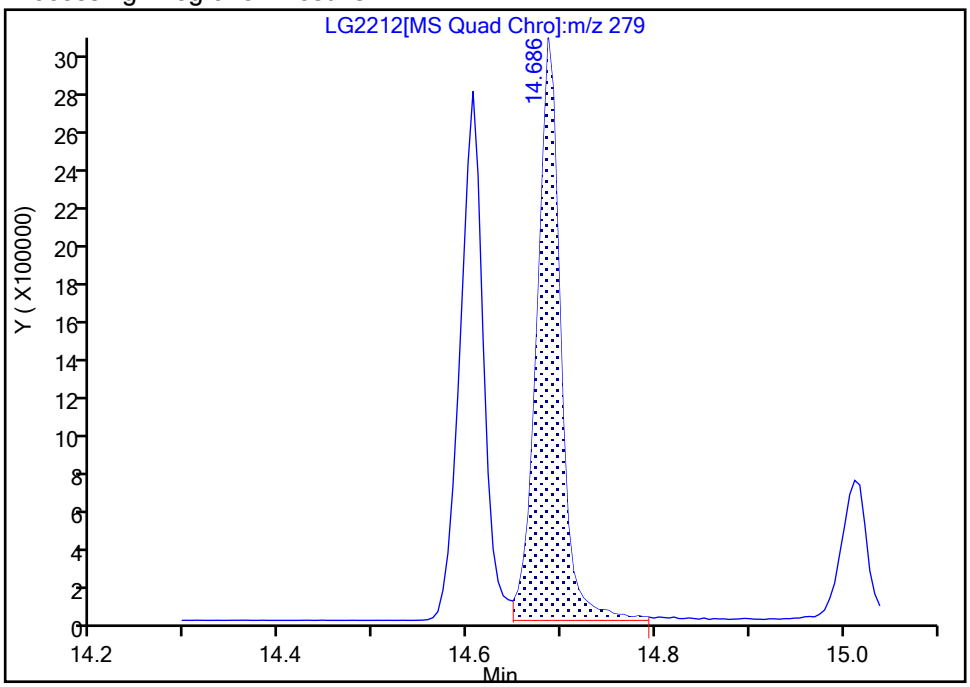
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2212.D				
Injection Date:	22-Jul-2022 14:18:58	Instrument ID:	HP20296		
Lims ID:	IC L8				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

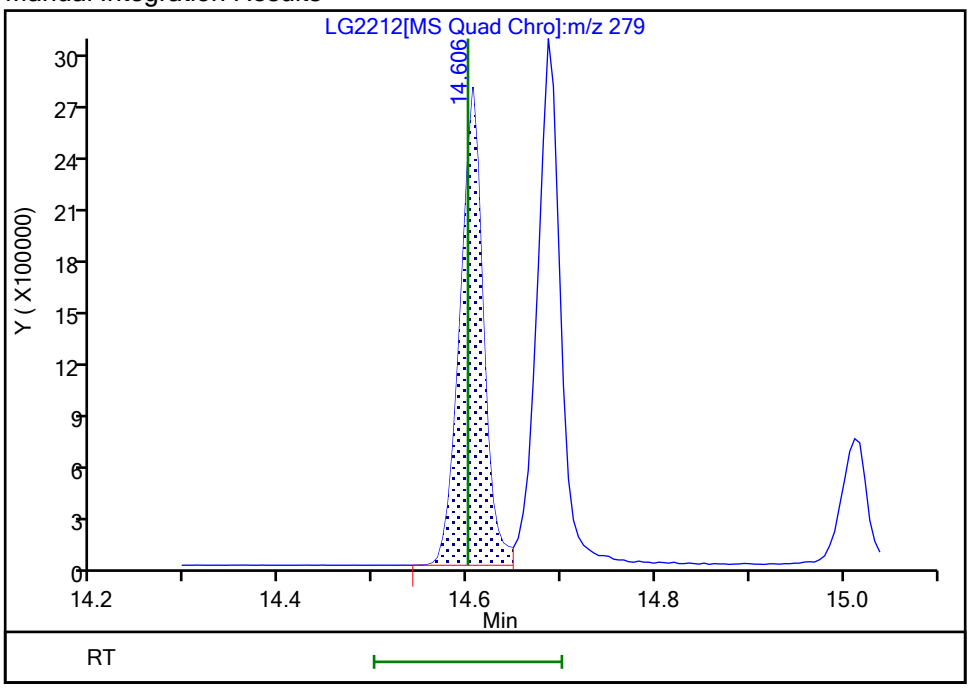
Processing Integration Results

RT: 14.69
Area: 5408055
Amount: 33.075061
Amount Units: ug/ml



Manual Integration Results

RT: 14.61
Area: 4830981
Amount: 34.499951
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:09:50

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

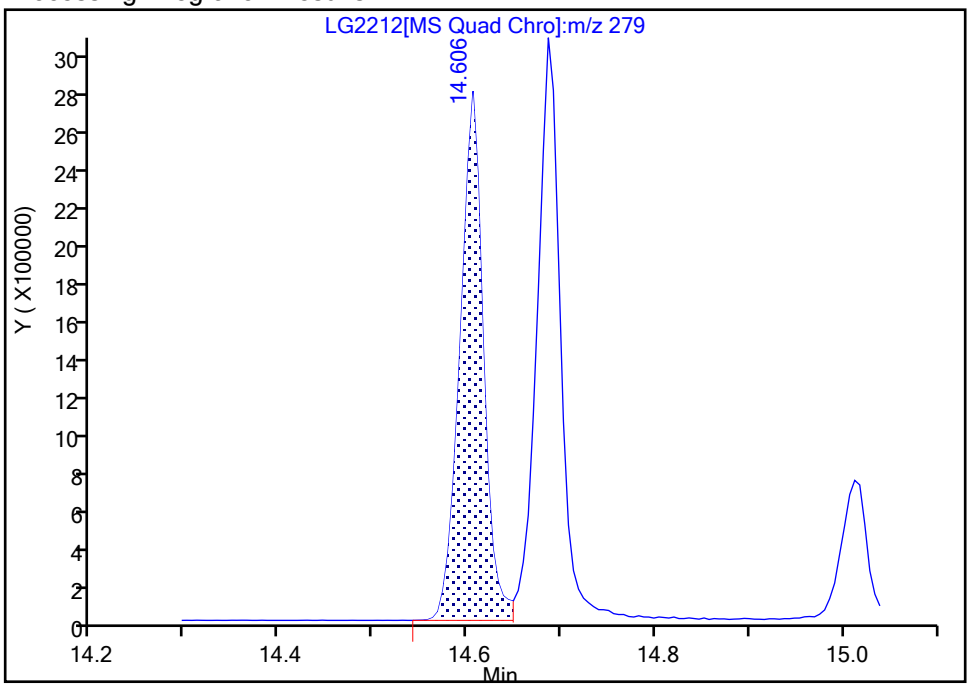
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2212.D				
Injection Date:	22-Jul-2022 14:18:58	Instrument ID:	HP20296		
Lims ID:	IC L8				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

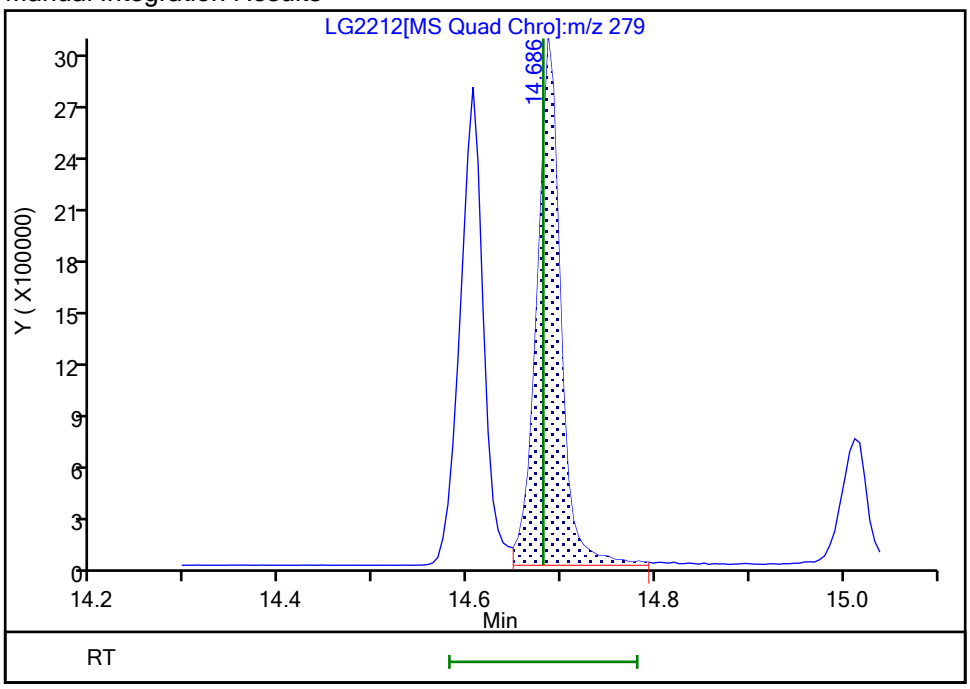
Processing Integration Results

RT: 14.61
Area: 4830981
Amount: 34.548200
Amount Units: ug/ml



Manual Integration Results

RT: 14.69
Area: 5408055
Amount: 33.221512
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:09:53

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Jul-2022 14:40:23 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Operator ID: apb10206 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub40

Method: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Jul-2022 18:05:14 Calib Date: 22-Jul-2022 16:27:33
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: bauera Date: 22-Jul-2022 15:16:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.844	1.838	0.006	62	4007	0.1250	0.1527	M
2 N-Nitrosodimethylamine	74	2.079	2.063	0.016	69	5311	0.1250	0.1346	
3 Pyridine	79	2.122	2.106	0.016	97	19253	0.2500	0.2921	
4 Dimethylformamide	73	2.373	2.389	-0.016	28	787	0.1250	0.0174	
5 2-Picoline	93	2.726	2.710	0.016	57	9640	0.1250	0.1519	
6 N-Nitrosomethylethylamine	88	2.801	2.796	0.005	31	17143	0.1250	0.5753	
9 Methyl methanesulfonate	80	3.074	3.063	0.011	13	7916	0.1250	0.2004	
$ 10 2-Fluorophenol	112	3.208	3.218	-0.010	87	12969	0.2500	0.2456	
11 N-Nitrosodiethylamine	102	3.448	3.448	0.000	63	4648	0.1250	0.1810	
13 Ethyl methanesulfonate	109	3.737	3.732	0.005	72	4913	0.1250	0.1716	
$ 16 Phenol-d5	99	4.101	4.101	0.000	67	18336	0.2500	0.2572	
17 Phenol	94	4.112	4.117	-0.005	43	12103	0.1250	0.1602	a
18 Aniline	93	4.165	4.160	0.005	96	12386	0.1250	0.1344	
19 Bis(2-chloroethyl)ether	93	4.219	4.224	-0.005	76	8730	0.1250	0.1423	
20 2-Chlorophenol	128	4.272	4.272	0.000	60	7272	0.1250	0.1408	
22 1,3-Dichlorobenzene	146	4.427	4.427	0.000	88	7815	0.1250	0.1320	
* 24 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	96	187535	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.497	4.497	0.000	84	7440	0.1250	0.1224	
27 Benzyl alcohol	108	4.604	4.604	0.000	81	7407	0.1250	0.1952	
29 1,2-Dichlorobenzene	146	4.641	4.641	0.000	83	9288	0.1250	0.1613	
31 2-Methylphenol	108	4.700	4.700	0.000	76	6680	0.1250	0.1330	
32 2,2'-oxybis[1-chloropropane]	45	4.732	4.737	-0.005	37	11316	0.1250	0.1599	
34 N-Nitrosopyrrolidine	100	4.839	4.839	0.000	74	2930	0.1250	0.0951	
36 4-Methylphenol	108	4.844	4.850	-0.006	91	8240	0.1250	0.1466	
37 N-Nitrosodi-n-propylamine	70	4.861	4.860	0.001	75	8435	0.1250	0.1614	
35 Acetophenone	105	4.861	4.860	0.001	89	11046	0.1250	0.1268	
38 N-Nitrosomorpholine	56	4.877	4.877	0.001	43	7225	0.1250	0.1939	
39 2-Toluidine	106	4.893	4.893	0.000	90	9887	0.1250	0.1066	
23 alpha,alpha-Dimethyl phenethylam	58	4.968	4.967	0.001	44	641	0.1250	0	
40 Hexachloroethane	117	4.968	4.967	0.001	47	3893	0.1250	0.1522	
$ 41 Nitrobenzene-d5	82	5.005	5.005	0.000	84	20712	0.2500	0.3083	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Nitrobenzene	77	5.021	5.026	-0.005	77	10496	0.1250	0.1464	
44 N-Nitrosopiperidine	114	5.165	5.171	-0.006	65	4857	0.1250	0.1948	
46 Isophorone	82	5.251	5.251	0.000	95	18008	0.1250	0.1484	
47 2-Nitrophenol	139	5.326	5.326	0.000	55	2899	0.1250	0.1369	
48 2,4-Dimethylphenol	107	5.363	5.363	0.000	87	7211	0.1250	0.1296	
49 o,o',o''-Triethylphosphorothioat	198	5.433	5.433	0.000	76	3966	0.1250	0.1372	
51 Bis(2-chloroethoxy)methane	93	5.460	5.460	0.000	96	11140	0.1250	0.1578	
52 2,4-Dichlorophenol	162	5.551	5.550	0.000	73	6650	0.1250	0.1500	
54 1,2,4-Trichlorobenzene	180	5.636	5.636	0.000	86	8092	0.1250	0.1515	
* 55 Naphthalene-d8	136	5.695	5.695	0.000	99	639836	5.00	5.00	
56 Naphthalene	128	5.711	5.716	-0.005	94	21610	0.1250	0.1476	
26 Alpha-Terpineol	59	5.722	5.722	0.000	82	6977	0.1250	0.1388	
57 4-Chloroaniline	127	5.764	5.764	0.000	69	7880	0.1250	0.1232	
58 2,6-Dichlorophenol	162	5.770	5.770	0.000	85	6527	0.1250	0.1427	
59 Hexachloropropene	213	5.797	5.796	0.001	79	6314	0.1250	0.1680	
60 Hexachlorobutadiene	225	5.834	5.834	0.000	78	4240	0.1250	0.1219	
62 Quinoline	129	6.027	6.032	-0.005	97	14948	0.1250	0.1686	
65 N-Nitrosodi-n-butylamine	84	6.085	6.085	0.000	40	9010	0.1250	0.1707	a
33 p-Phenylene diamine	108	6.096	6.101	-0.005	93	11999	0.1250	0.1779	
66 4-Chloro-3-methylphenol	107	6.219	6.219	0.000	78	8013	0.1250	0.1753	
67 Safrole, Total	162	6.289	6.294	-0.005	74	4703	0.1250	0.1183	
69 2-Methylnaphthalene	142	6.374	6.374	0.000	88	13480	0.1250	0.1390	
70 1-Methylnaphthalene	142	6.465	6.465	0.000	86	11251	0.1250	0.1219	
71 Hexachlorocyclopentadiene	237	6.524	6.524	0.000	69	6280	0.1250	0.1557	
72 1,2,4,5-Tetrachlorobenzene	216	6.529	6.529	0.000	92	8396	0.1250	0.1347	
73 Isosafrole Peak 1	162	6.567	6.572	-0.005	1	2256	0.0200	0.0500	a
74 2,4,6-Trichlorophenol	196	6.636	6.636	0.000	76	4351	0.1250	0.1189	
75 2,4,5-Trichlorophenol	196	6.668	6.668	0.000	85	5843	0.1250	0.1468	
$ 76 2-Fluorobiphenyl (Surr)	172	6.722	6.722	0.000	98	38960	0.2500	0.3130	
77 Isosafrole Peak 2	162	6.781	6.786	-0.005	88	5703	0.1050	0.1165	
79 1,1'-Biphenyl	154	6.818	6.818	0.000	92	16465	0.1250	0.1328	
80 2-Chloronaphthalene	162	6.834	6.834	0.000	92	14858	0.1250	0.1505	
81 1-Chloronaphthalene	162	6.856	6.856	0.000	85	11707	0.1250	0.1253	
82 Phenyl ether	170	6.920	6.920	0.000	87	11547	0.1250	0.1687	
83 2-Nitroaniline	138	6.920	6.930	-0.010	67	4332	0.1250	0.1521	
84 1,4-Naphthoquinone	158	7.000	7.005	-0.005	64	5321	0.1250	0.1380	
85 1,4-Dinitrobenzene	168	7.064	7.064	0.000	37	1509	0.1250	0.1144	
86 Dimethyl phthalate	163	7.107	7.107	0.000	94	17344	0.1250	0.1452	
87 1,3-Dinitrobenzene	168	7.128	7.134	-0.006	11	2930	0.1250	0.1801	
88 2,6-Dinitrotoluene	165	7.160	7.160	0.000	41	3775	0.1250	0.1542	a
90 Acenaphthylene	152	7.225	7.230	-0.005	97	22341	0.1250	0.1481	
91 3-Nitroaniline	138	7.316	7.315	0.001	58	3419	0.1250	0.1387	
* 92 Acenaphthene-d10	164	7.358	7.364	-0.006	95	406504	5.00	5.00	
93 Acenaphthene	153	7.390	7.390	0.000	88	14096	0.1250	0.1334	
94 2,4-Dinitrophenol	184	7.412	7.417	-0.005	72	9031	1.25	3.67	
96 4-Nitrophenol	109	7.465	7.471	-0.006	90	11932	0.7500	0.6526	
98 Pentachlorobenzene	250	7.513	7.513	0.000	82	6456	0.1250	0.1251	
99 2,4-Dinitrotoluene	165	7.535	7.540	-0.005	49	4601	0.1250	0.1399	a
100 Dibenzofuran	168	7.556	7.556	0.000	94	20210	0.1250	0.1359	
101 1-Naphthylamine	143	7.626	7.631	-0.005	94	12196	0.1250	0.1209	
102 2,3,4,6-Tetrachlorophenol	232	7.663	7.669	-0.005	40	5022	0.1250	0.1442	a
103 2-Naphthylamine	143	7.701	7.706	-0.005	93	15516	0.1250	0.1519	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 Diethyl phthalate	149	7.776	7.781	-0.005	95	14471	0.1250	0.1253	
106 Thionazin	107	7.856	7.856	0.000	44	4343	0.1250	0.2467	
105 Fluorene	166	7.877	7.882	-0.005	91	18868	0.1250	0.1523	
108 4-Chlorophenyl phenyl ether	204	7.883	7.888	-0.006	78	9930	0.1250	0.1466	
107 N-Nitro-o-toluidine	152	7.883	7.888	-0.006	57	3241	0.1250	0.1014	
109 4-Nitroaniline	138	7.883	7.893	-0.011	59	2424	0.1250	0.0812	
110 4,6-Dinitro-2-methylphenol	198	7.915	7.925	-0.010	73	6952	0.7500	2.45	
111 N-Nitrosodiphenylamine	169	7.989	7.995	-0.006	94	15104	0.1063	0.1463	
112 1,2-Diphenylhydrazine	77	8.032	8.038	-0.006	93	19956	0.1250	0.1326	a
$ 113 2,4,6-Tribromophenol	330	8.102	8.107	-0.005	87	5125	0.2500	0.2598	
114 Sulfotepp	97	8.150	8.155	-0.005	70	4988	0.1250	0.2174	
175 1,3,5-Trinitrobenzene	213	8.230	8.241	-0.011	1	1441	0.1250	0.1268	a
115 cis-Diallate	86	8.268	8.273	-0.005	71	7998	0.0925	0.1458	
116 Phorate	75	8.278	8.284	-0.006	88	11813	0.1250	0.1413	
117 Phenacetin	108	8.241	8.289	-0.048	80	9325	0.1250	0.1525	
118 4-Bromophenyl phenyl ether	248	8.348	8.348	0.000	63	6238	0.1250	0.1559	Ma
119 trans-Diallate	86	8.353	8.358	-0.005	39	2885	0.0325	0.0538	Ma
120 Hexachlorobenzene	284	8.396	8.396	0.000	88	7007	0.1250	0.1566	
121 Dimethoate	87	8.428	8.439	-0.011	20	6000	0.1250	0.1260	a
123 Pentachlorophenol	266	8.583	8.583	0.000	67	9512	0.6250	0.3689	
124 4-Aminobiphenyl	169	8.589	8.594	-0.005	88	22644	0.1250	0.1535	
125 Pentachloronitrobenzene	237	8.583	8.594	-0.011	46	3344	0.1250	0.1594	
126 Pronamide	173	8.647	8.653	-0.006	80	6371	0.1250	0.1043	
128 Dinoseb	211	8.765	8.765	0.000	60	2159	0.1250	1.03	
* 127 Phenanthrene-d10	188	8.765	8.770	-0.005	97	866647	5.00	5.00	
68 Disulfoton	88	8.765	8.781	-0.016	55	22406	0.1250	0.2589	
129 Phenanthrene	178	8.786	8.792	-0.006	91	26961	0.1250	0.1386	
130 Anthracene	178	8.835	8.840	-0.005	94	27431	0.1250	0.1390	
S 53 Dinitrotoluene	165				0			0.2941	
131 Carbazole	167	8.990	8.995	-0.005	95	24844	0.1250	0.1423	
132 Methyl parathion	109	9.129	9.129	0.000	26	3513	0.1250	0.0991	
133 Di-n-butyl phthalate	149	9.337	9.337	0.000	99	28739	0.1250	0.1485	
134 Ethyl Parathion	109	9.498	9.503	-0.005	1	2423	0.1250	0.1048	a
135 4-Nitroquinoline-1-oxide	190	9.487	9.524	-0.037	1	1675	0.1250	0.7028	
S 63 Diallate	86				0		0.1250	0.1996	
136 Octachlorostyrene	308	9.738	9.738	0.000	62	1786	0.1250	0.0997	
137 Isodrin	193	9.781	9.781	0.000	71	3813	0.1250	0.1515	
138 Fluoranthene	202	9.915	9.920	-0.005	94	26547	0.1250	0.1165	
139 Benzidine	184	10.049	10.059	-0.010	98	38702	0.3750	0.2704	
* 140 Pyrene-d10 (IS)	212	10.113	10.118	-0.005	96	964190	5.00	5.00	
141 Pyrene	202	10.134	10.140	-0.006	95	35148	0.1250	0.1457	
$ 142 p-Terphenyl-d14	244	10.295	10.300	-0.005	96	45039	0.2500	0.2480	
143 p-Dimethylamino azobenzene	225	10.428	10.439	-0.011	47	4839	0.1250	0.1176	
144 Chlorobenzilate	139	10.482	10.487	-0.005	88	6199	0.1250	0.1089	
145 3,3'-Dimethylbenzidine	212	10.781	10.787	-0.006	97	13240	0.1250	0.0893	
146 Butyl benzyl phthalate	149	10.808	10.814	-0.006	46	6887	0.1250	0.0827	
147 2-Acetylaminofluorene	181	11.049	11.060	-0.011	79	11483	0.1250	0.1435	
148 3,3'-Dichlorobenzidine	252	11.391	11.397	-0.005	68	11084	0.1250	0.1264	
150 4,4'-Methylene bis(2-chloroani	231	11.397	11.407	-0.010	66	6117	0.1250	0.1307	
149 Benzo[a]anthracene	228	11.407	11.413	-0.006	96	30109	0.1250	0.1291	
151 Chrysene	228	11.450	11.455	-0.005	92	33266	0.1250	0.1447	
152 Bis(2-ethylhexyl) phthalate	149	11.482	11.493	-0.011	88	12814	0.1250	0.1050	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 6-Methylchrysene	242	12.017	12.022	-0.005	94	22520	0.1250	0.1525	
154 Di-n-octyl phthalate	149	12.338	12.354	-0.016	92	16612	0.1250	0.7960	
156 7,12-Dimethylbenz(a)anthracene	256	12.803	12.814	-0.011	74	10537	0.1250	0.1134	
155 Benzo[b]fluoranthene	252	12.814	12.814	0.000	90	25809	0.1250	0.1168	M
157 Benzo[k]fluoranthene	252	12.846	12.851	-0.005	50	30664	0.1250	0.1329	
158 Benzo[a]pyrene	252	13.263	13.269	-0.006	72	25787	0.1250	0.1411	
* 159 Perylene-d12	264	13.343	13.349	-0.006	98	800827	5.00	5.00	
160 3-Methylcholanthrene	268	13.777	13.787	-0.010	48	11969	0.1250	0.1232	
161 Dibenz[a,h]acridine	279	14.590	14.600	-0.010	19	16207	0.1250	0.1174	Ma
162 Dibenz[a,j]acridine	279	14.675	14.681	-0.006	29	18616	0.1250	0.1160	Ma
163 Indeno[1,2,3-cd]pyrene	276	14.953	14.959	-0.006	63	20414	0.1250	0.1299	
164 Dibenz(a,h)anthracene	278	15.007	15.007	0.000	1	21414	0.1250	0.1224	M
165 Benzo[g,h,i]perylene	276	15.387	15.408	-0.021	57	22380	0.1250	0.1214	
S 166 Isosafrole	162				0		0.1250	0.1665	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_1_00024 Amount Added: 1.00 Units: mL

Report Date: 25-Jul-2022 18:05:15 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D

Injection Date: 22-Jul-2022 14:40:23 Instrument ID: HP20296 Operator ID: apb10206

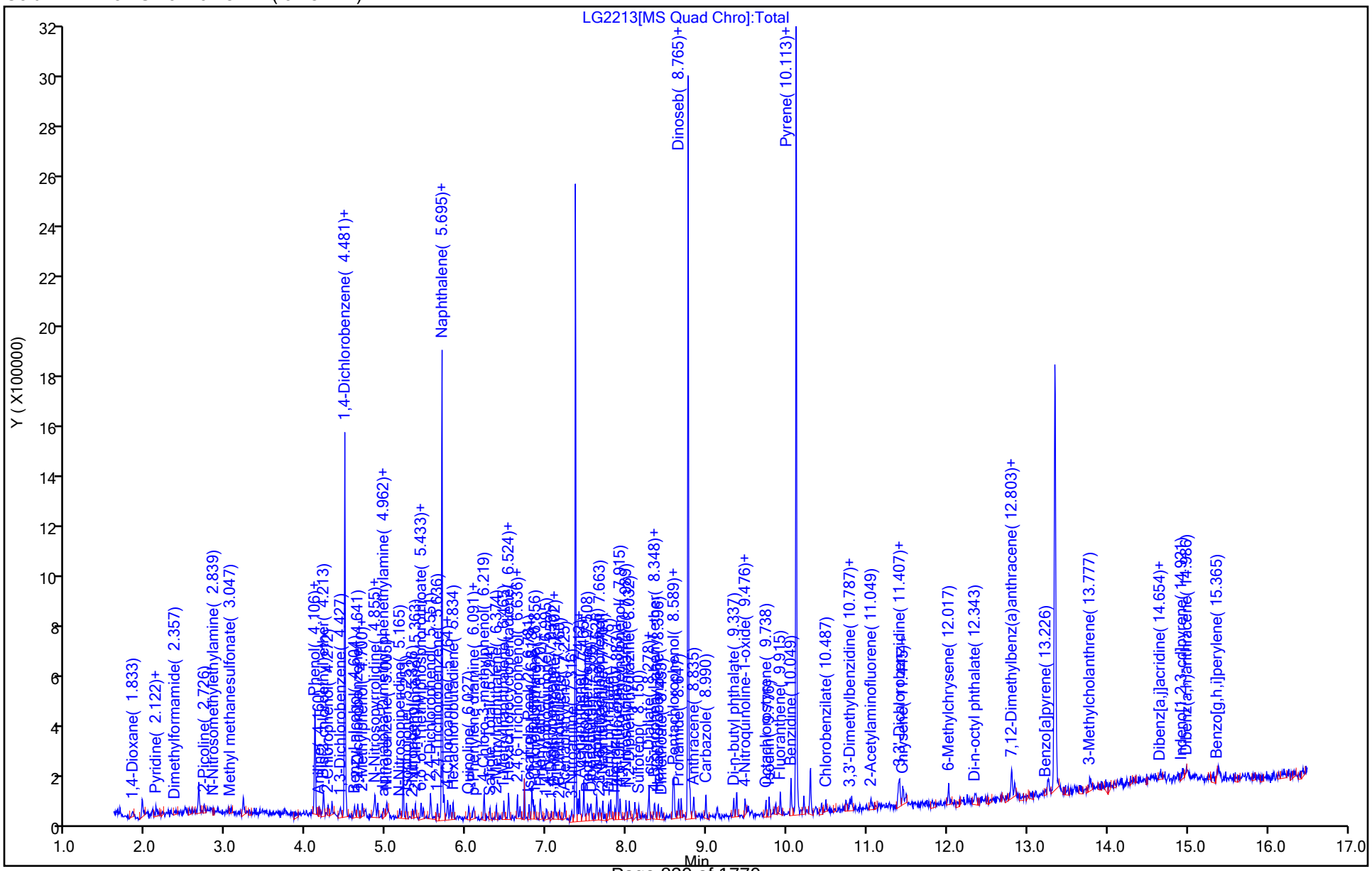
Lims ID: IC L1 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

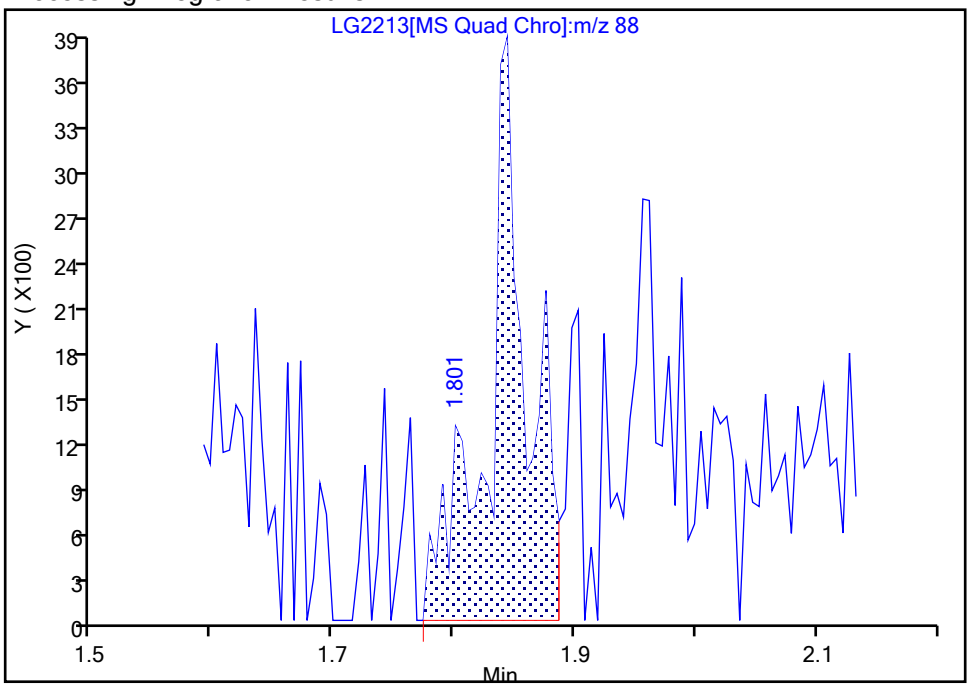
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

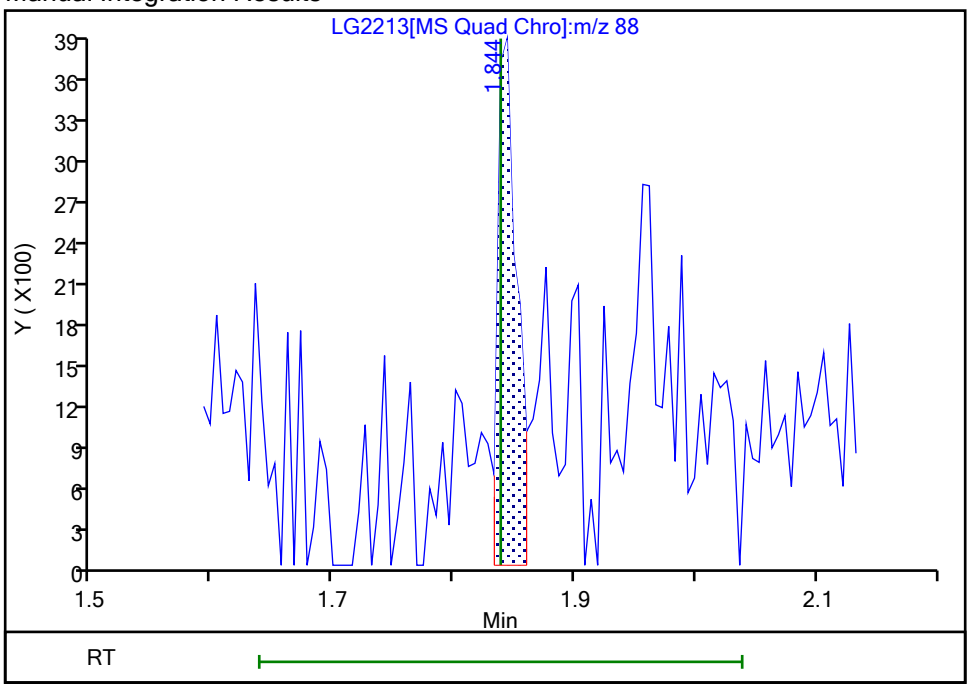
Processing Integration Results

RT: 1.80
Area: 8690
Amount: 0.274591
Amount Units: ug/ml



Manual Integration Results

RT: 1.84
Area: 4007
Amount: 0.152725
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:00:20
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

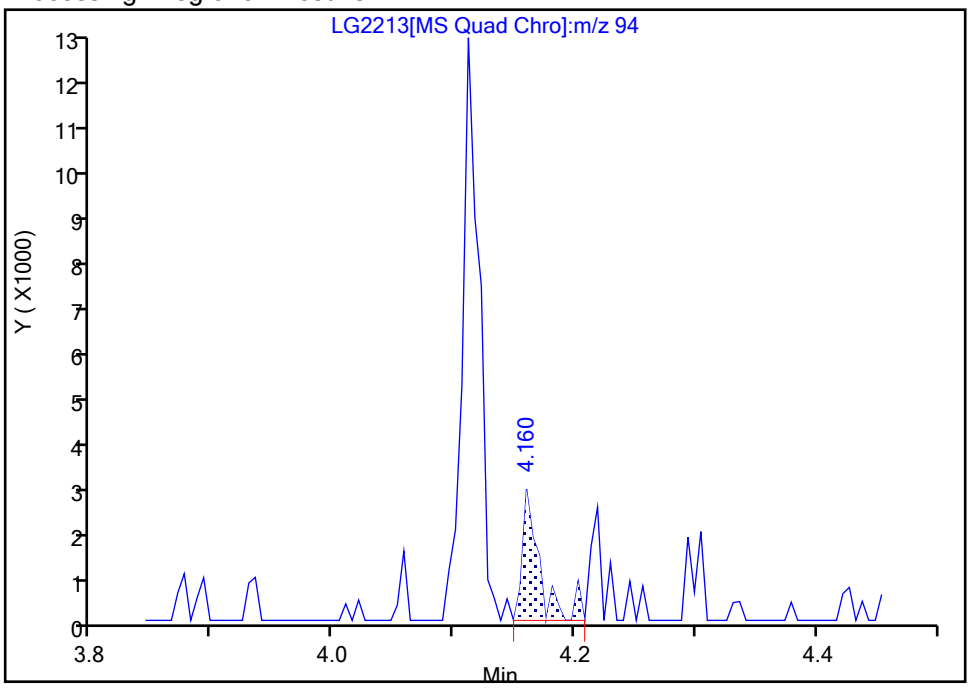
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

17 Phenol, CAS: 108-95-2

Signal: 1

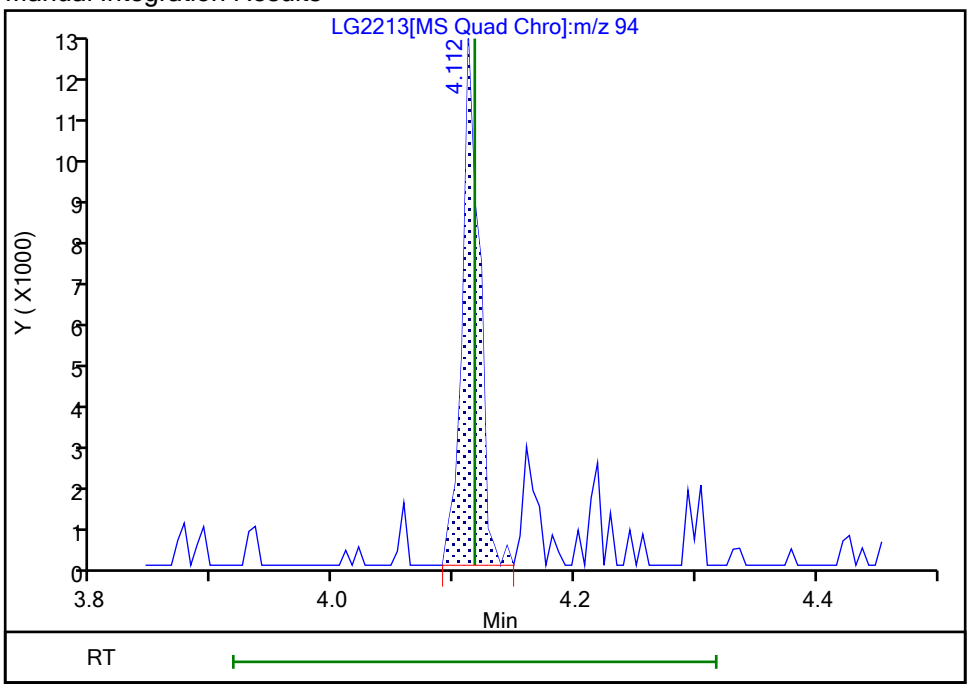
Processing Integration Results

RT: 4.16
Area: 2706
Amount: 0.102951
Amount Units: ug/ml



Manual Integration Results

RT: 4.11
Area: 12103
Amount: 0.160222
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:00:30
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

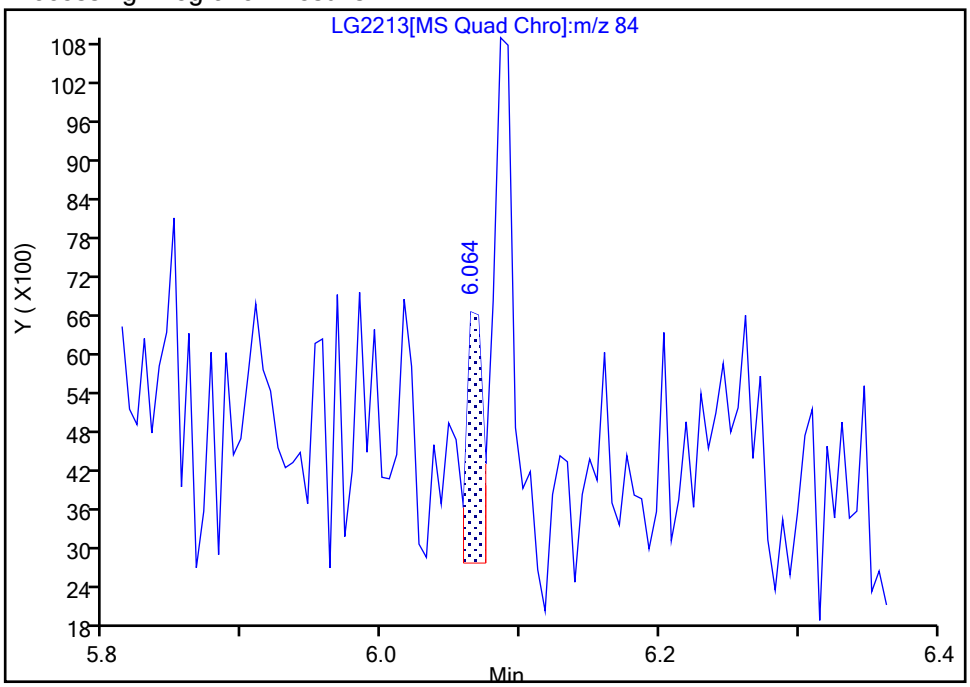
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

65 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Signal: 1

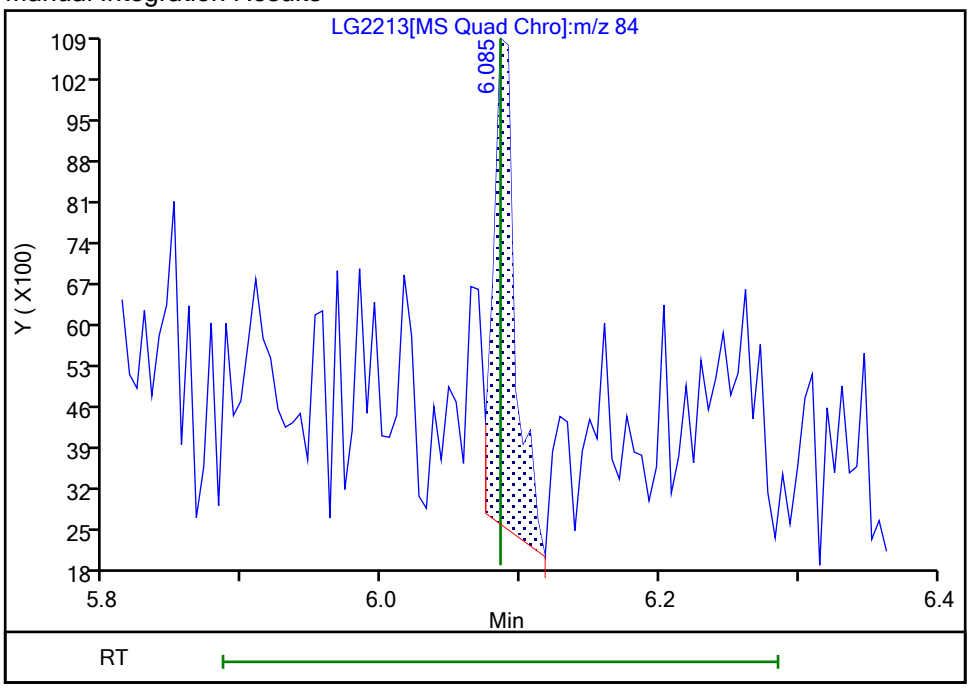
Processing Integration Results

RT: 6.06
Area: 2856
Amount: 0.007515
Amount Units: ug/ml



Manual Integration Results

RT: 6.09
Area: 9010
Amount: 0.170656
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:00:56
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

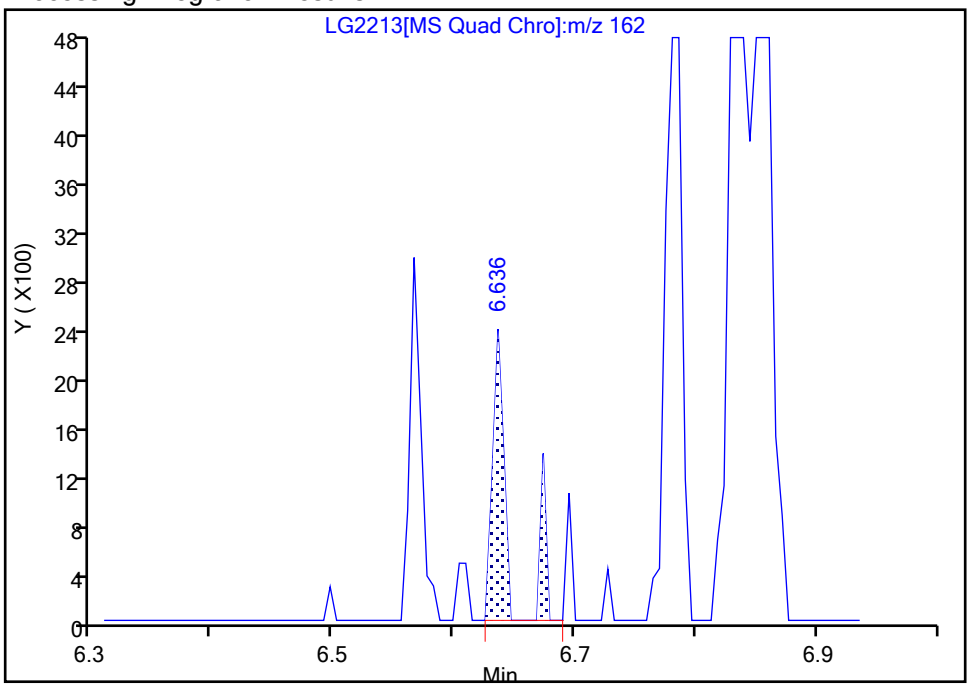
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

73 Isosafrole Peak 1, CAS: 120-58-1

Signal: 1

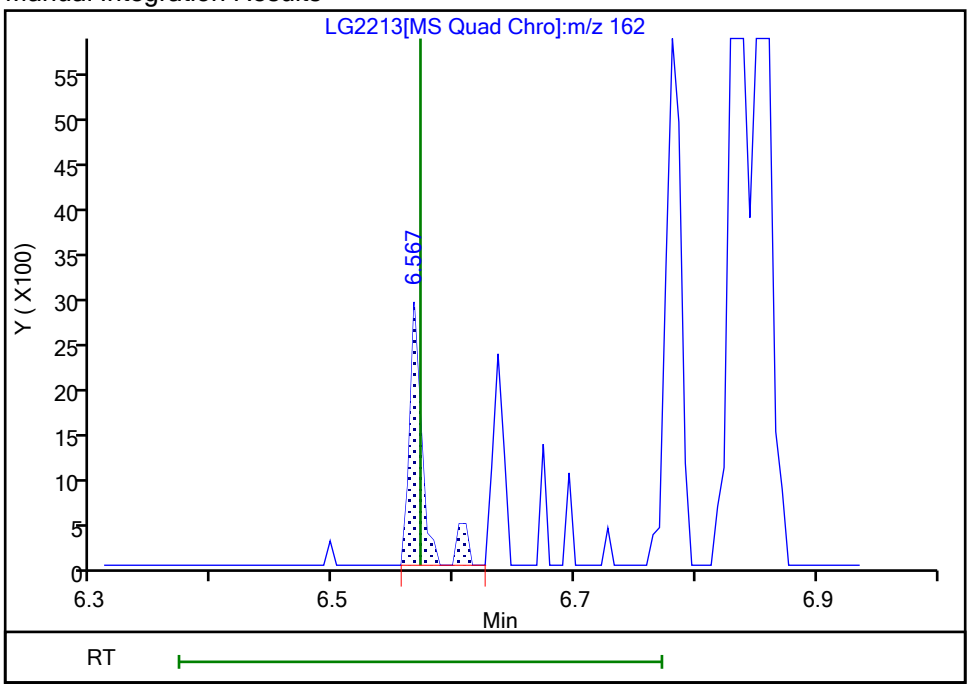
Processing Integration Results

RT: 6.64
Area: 1931
Amount: 0.041437
Amount Units: ug/ml



Manual Integration Results

RT: 6.57
Area: 2256
Amount: 0.050048
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:01:04
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

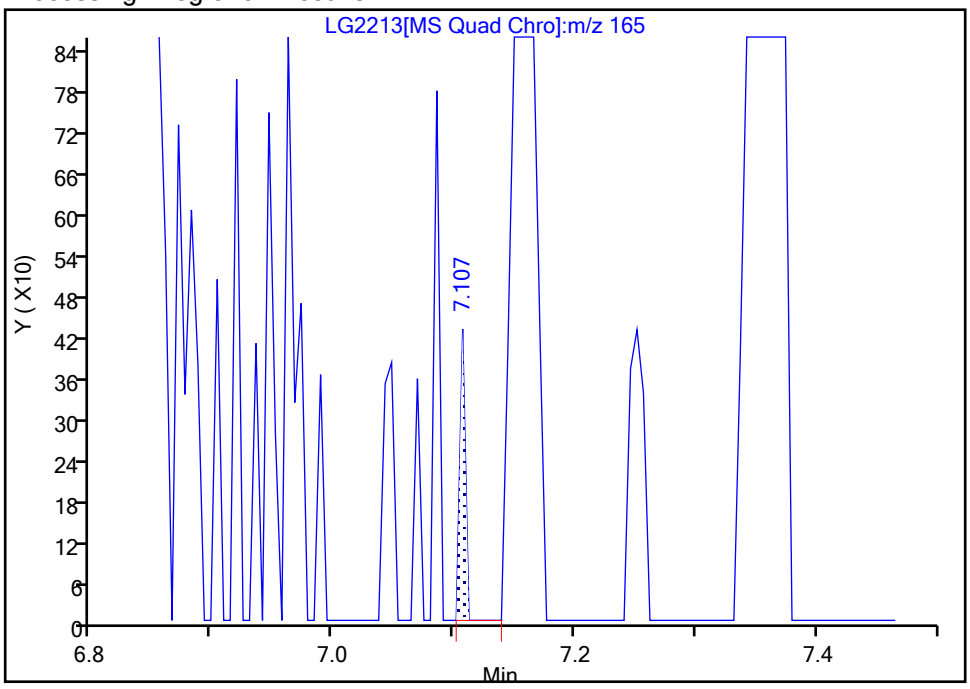
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

88 2,6-Dinitrotoluene, CAS: 606-20-2

Signal: 1

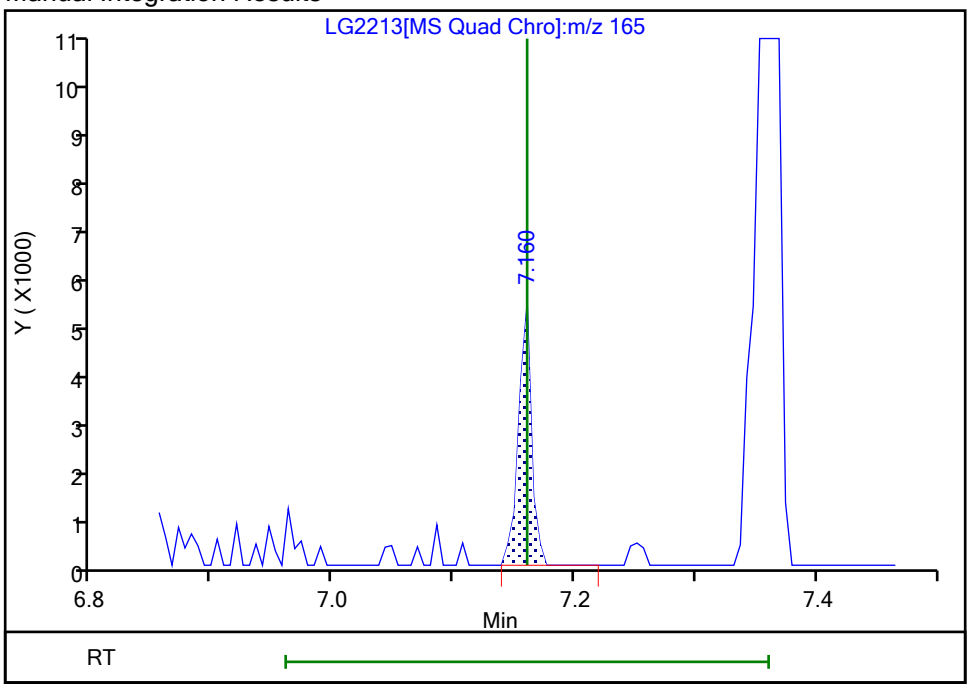
Processing Integration Results

RT: 7.11
Area: 137
Amount: 0.111329
Amount Units: ug/ml



Manual Integration Results

RT: 7.16
Area: 3775
Amount: 0.154171
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:01:15
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

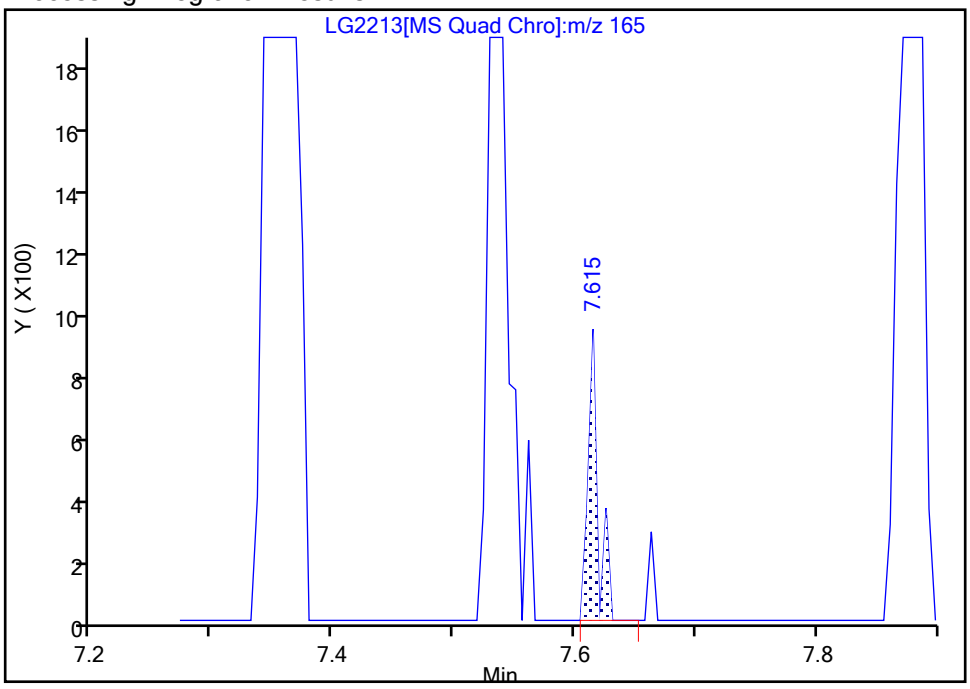
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D
Injection Date: 22-Jul-2022 14:40:23 Instrument ID: HP20296
Lims ID: IC L1
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

99 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

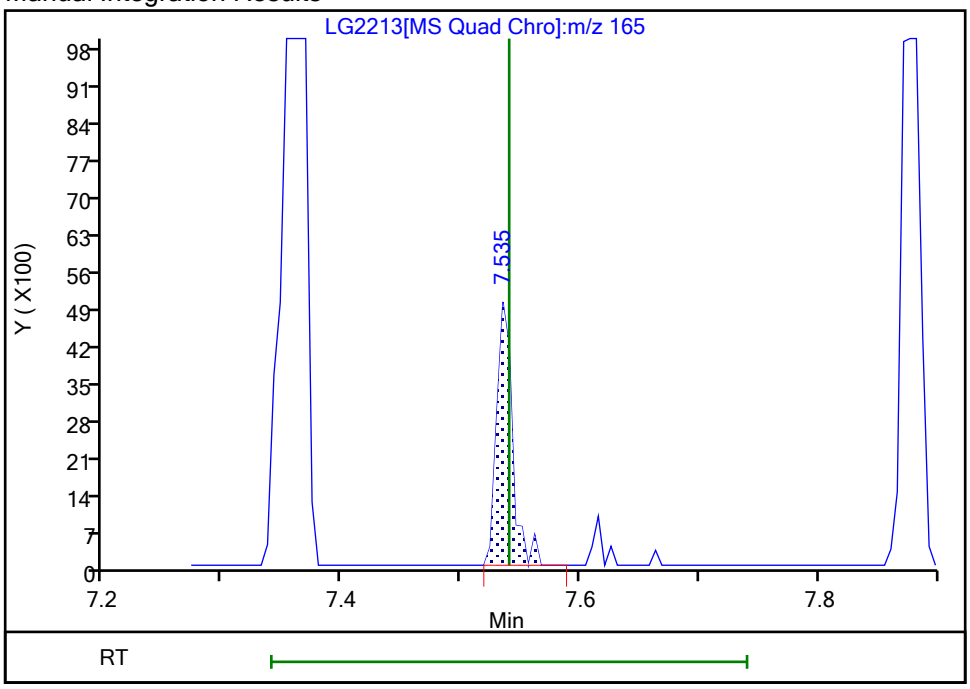
Processing Integration Results

RT: 7.62
Area: 525
Amount: 0.115784
Amount Units: ug/ml



Manual Integration Results

RT: 7.53
Area: 4601
Amount: 0.139901
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:01:23
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

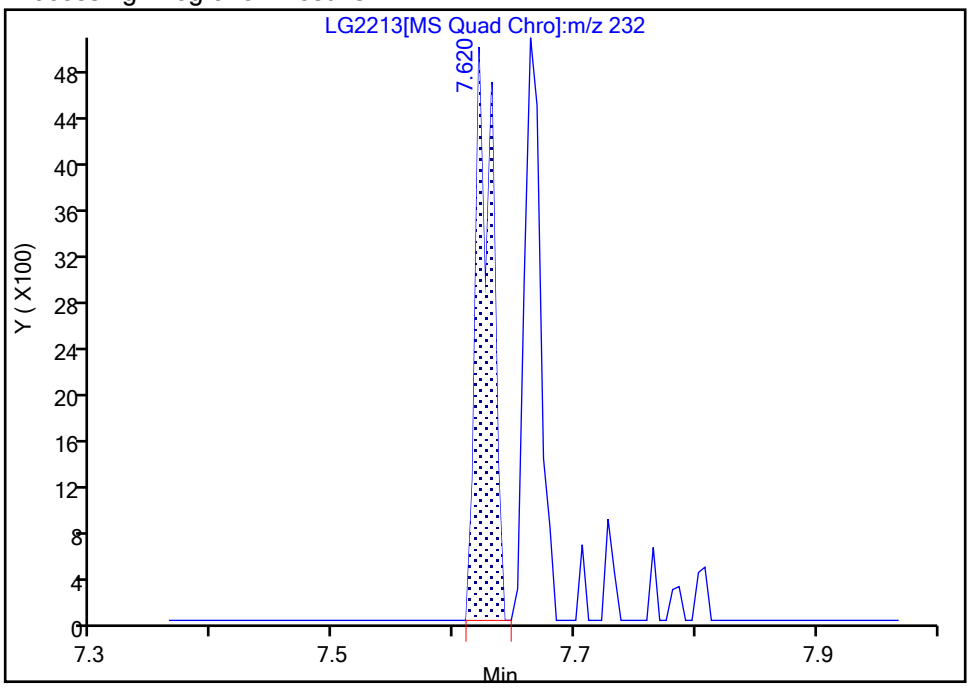
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

102 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

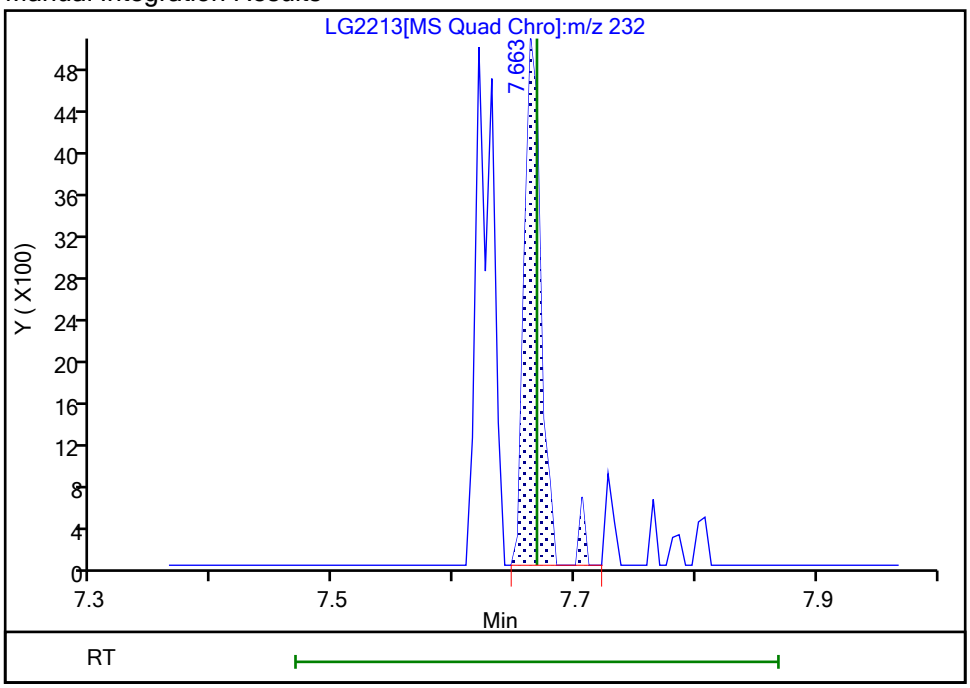
Processing Integration Results

RT: 7.62
Area: 4848
Amount: 0.148515
Amount Units: ug/ml



Manual Integration Results

RT: 7.66
Area: 5022
Amount: 0.144234
Amount Units: ug/ml



Reviewer: P7EB, 25-Jul-2022 14:45:29

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

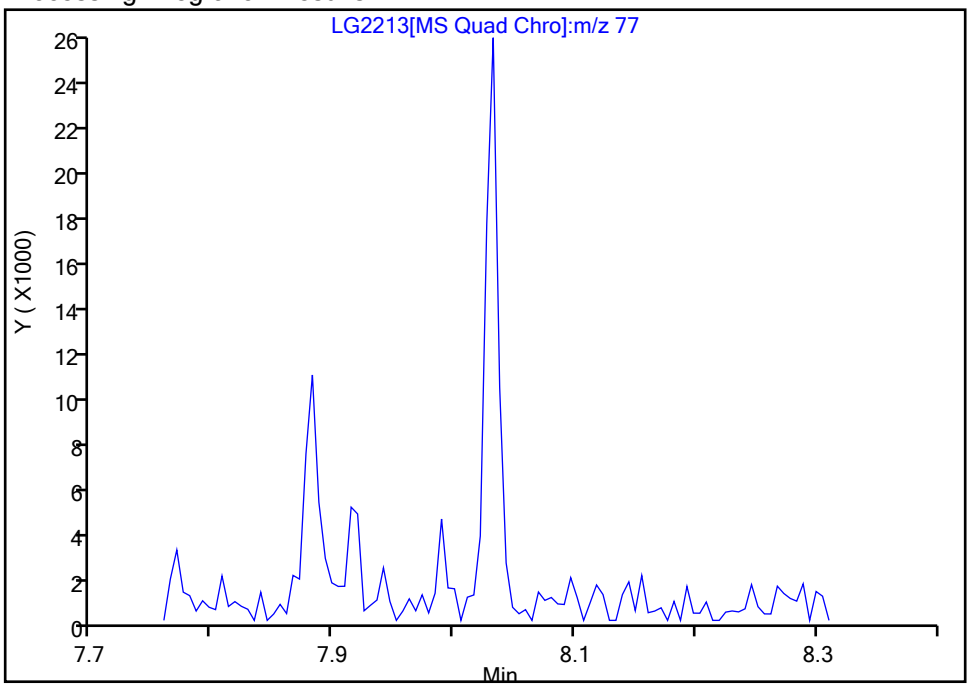
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

112 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

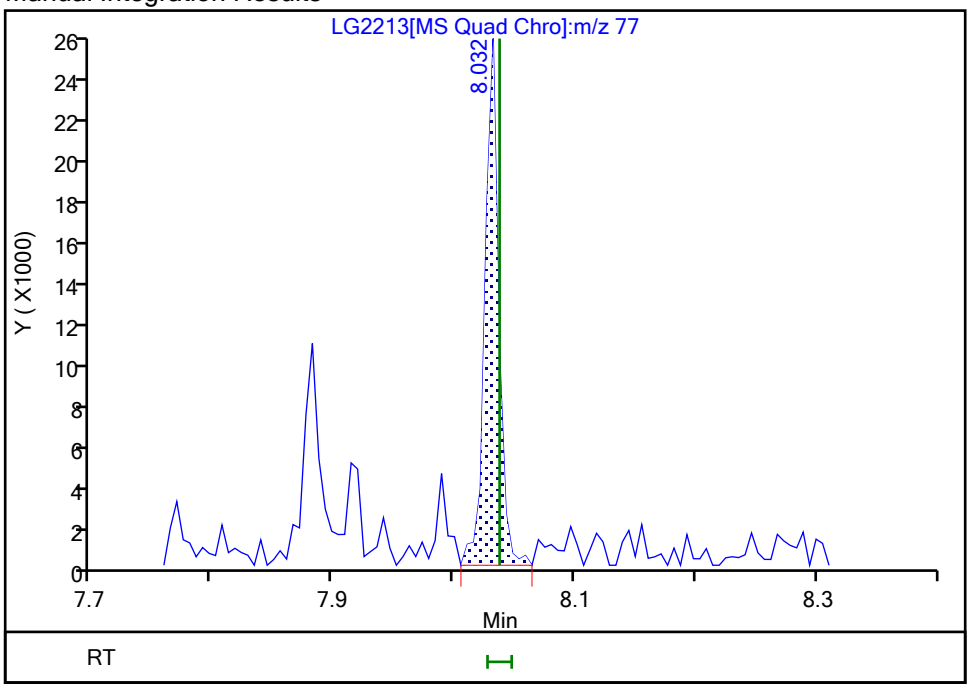
Not Detected
Expected RT: 8.04

Processing Integration Results



Manual Integration Results

RT: 8.03
Area: 19956
Amount: 0.132630
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:01:33
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

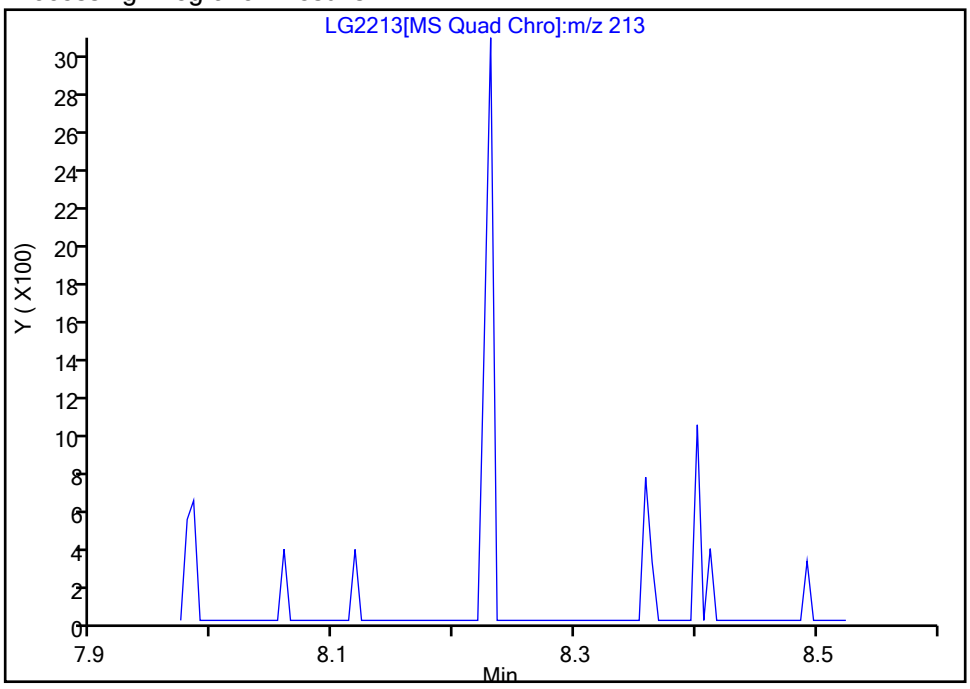
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

175 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

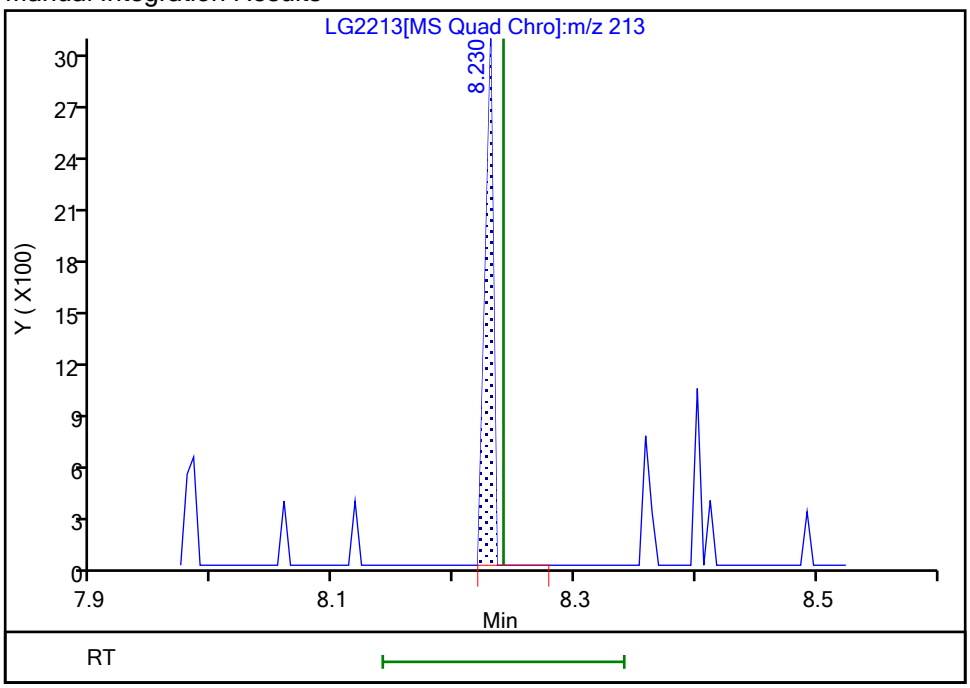
Not Detected
Expected RT: 8.24

Processing Integration Results



Manual Integration Results

RT: 8.23
Area: 1441
Amount: 0.126811
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:01:40
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

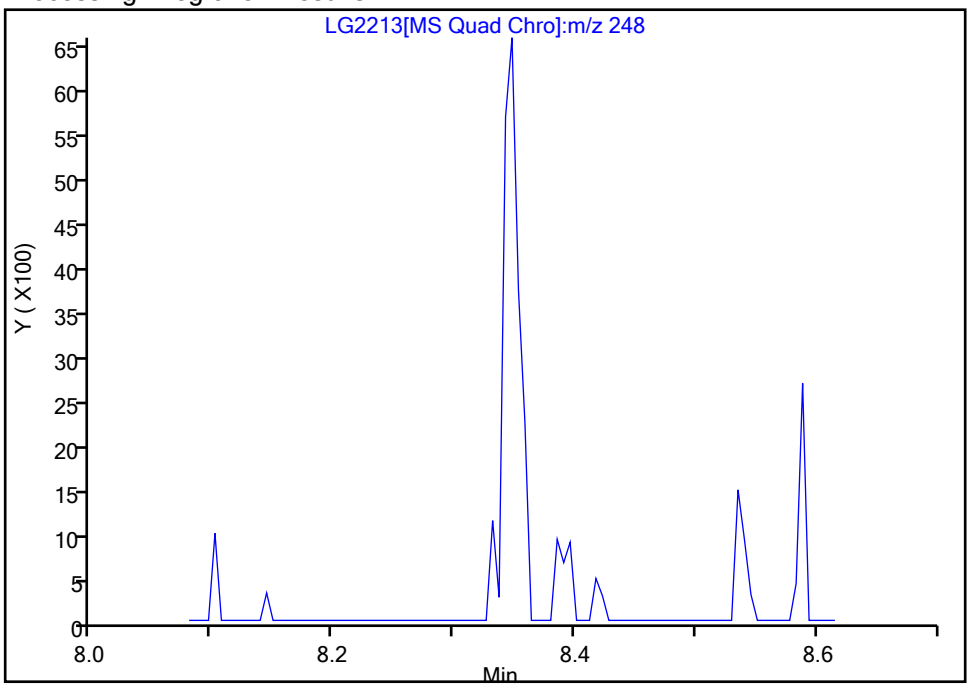
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

118 4-Bromophenyl phenyl ether, CAS: 101-55-3

Signal: 1

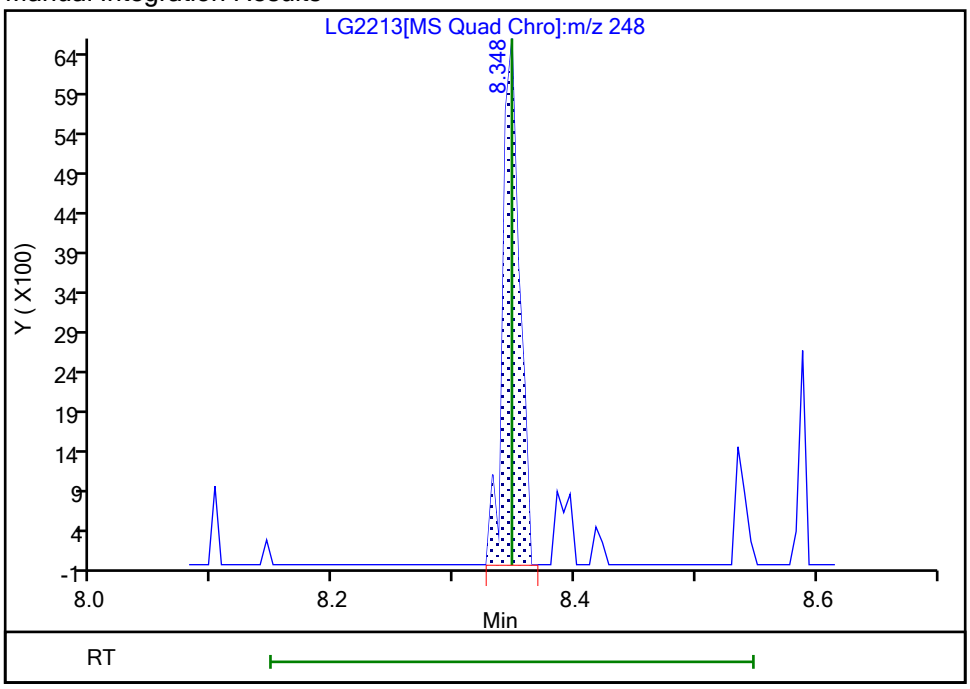
Not Detected
Expected RT: 8.35

Processing Integration Results



Manual Integration Results

RT: 8.35
Area: 6238
Amount: 0.155874
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:01:54
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

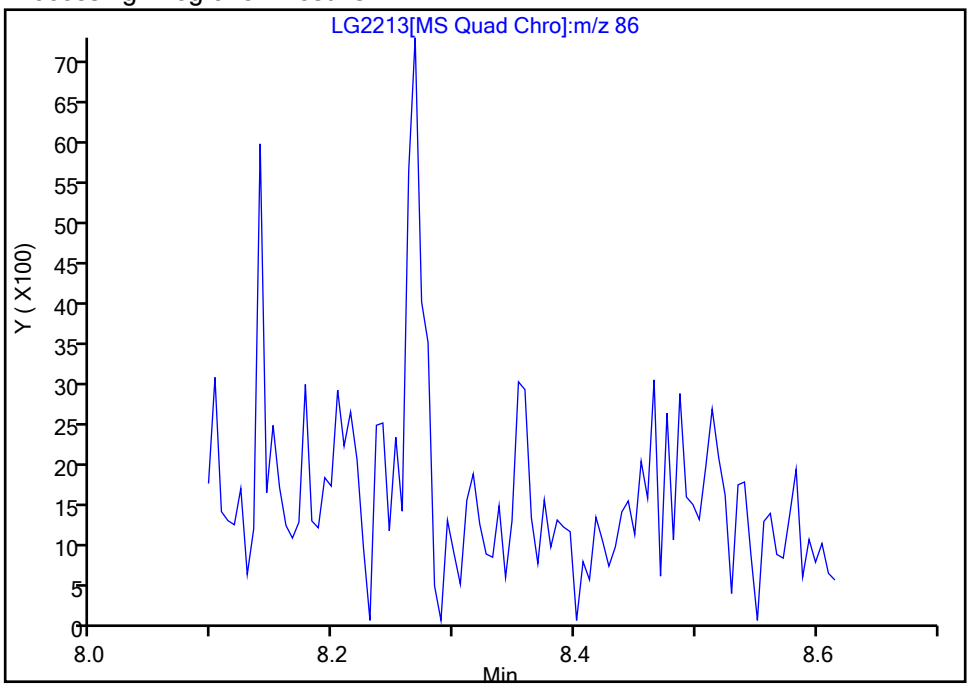
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

119 trans-Diallate, CAS: 17708-58-6

Signal: 1

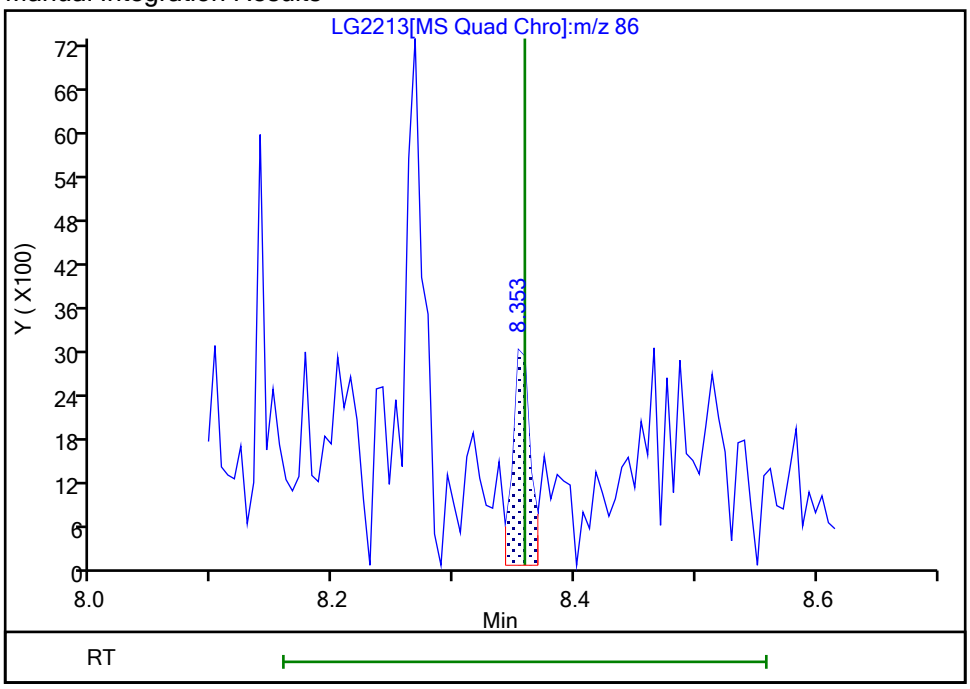
Not Detected
Expected RT: 8.36

Processing Integration Results



Manual Integration Results

RT: 8.35
Area: 2885
Amount: 0.053806
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:02:06
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

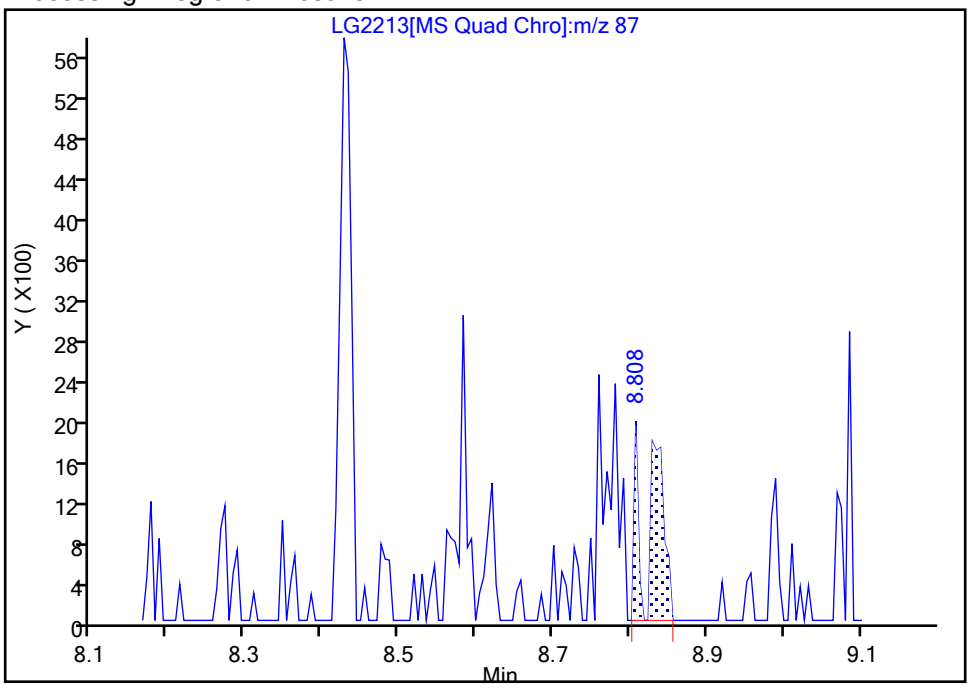
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

121 Dimethoate, CAS: 60-51-5

Signal: 1

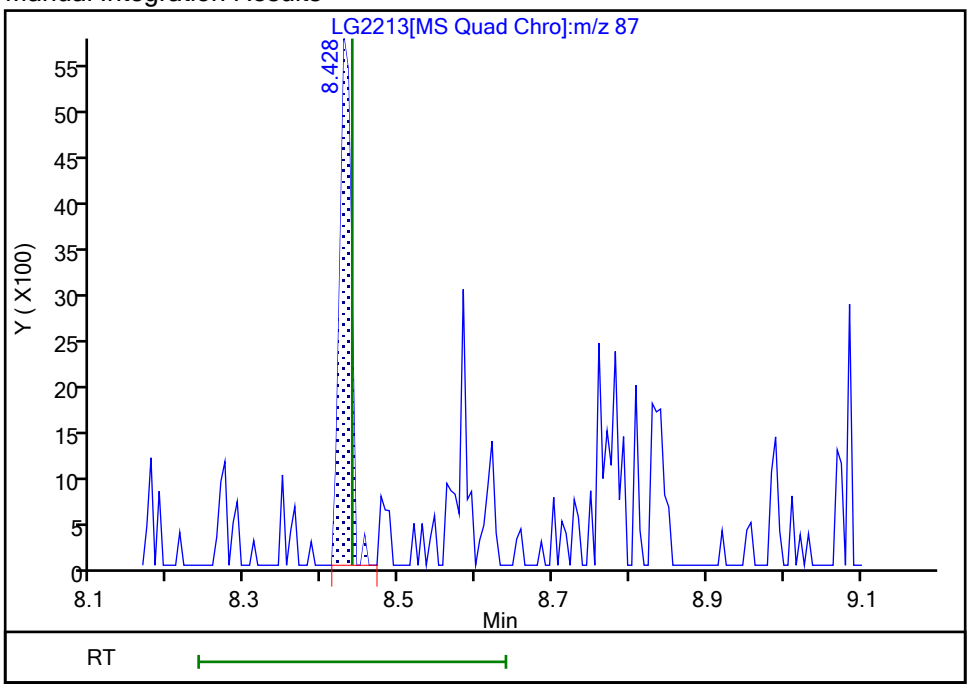
Processing Integration Results

RT: 8.81
Area: 2845
Amount: 0.149878
Amount Units: ug/ml



Manual Integration Results

RT: 8.43
Area: 6000
Amount: 0.125959
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:02:14
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

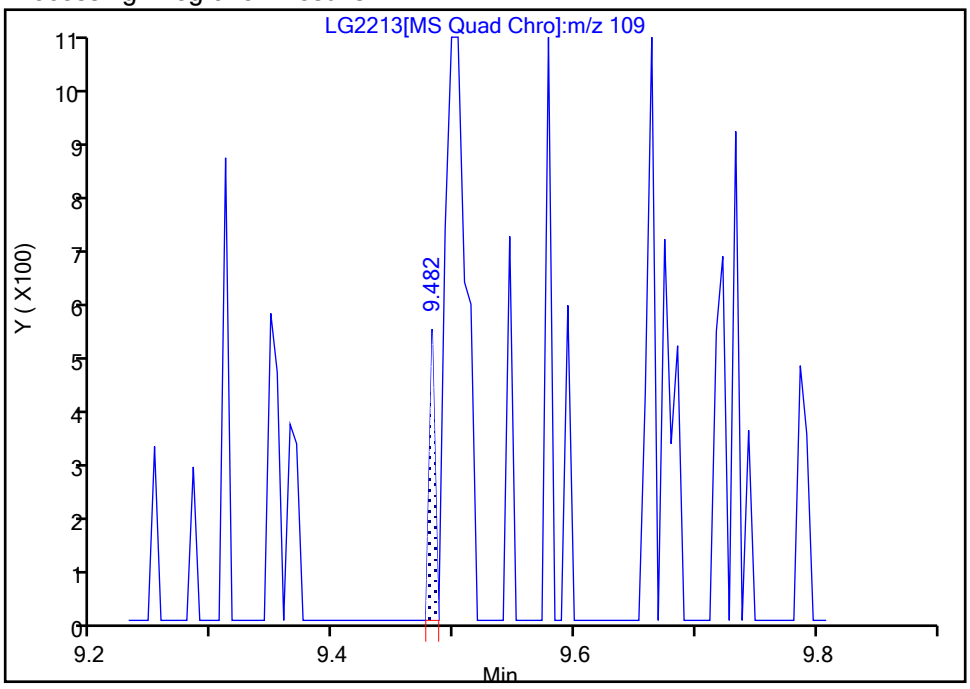
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

134 Ethyl Parathion, CAS: 56-38-2

Signal: 1

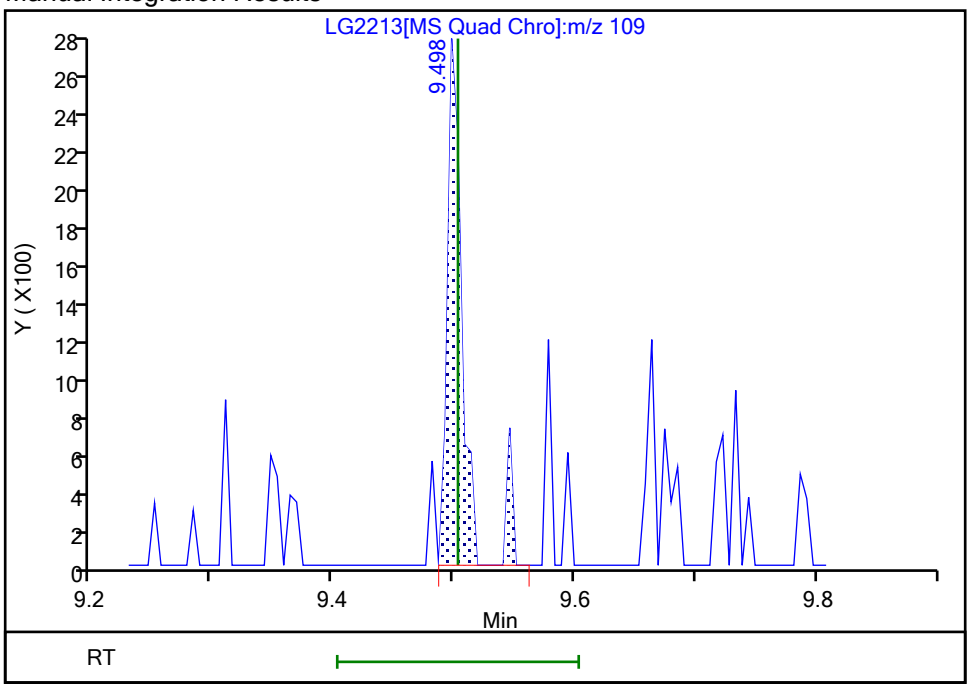
Processing Integration Results

RT: 9.48
Area: 173
Amount: 0.135066
Amount Units: ug/ml



Manual Integration Results

RT: 9.50
Area: 2423
Amount: 0.104767
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:02:25
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

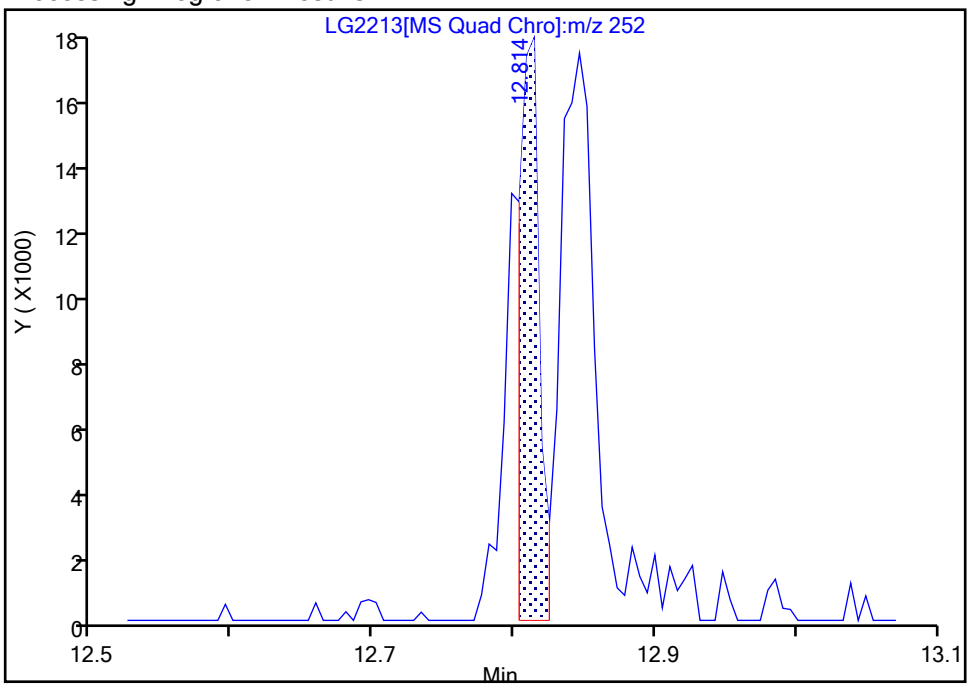
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

155 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

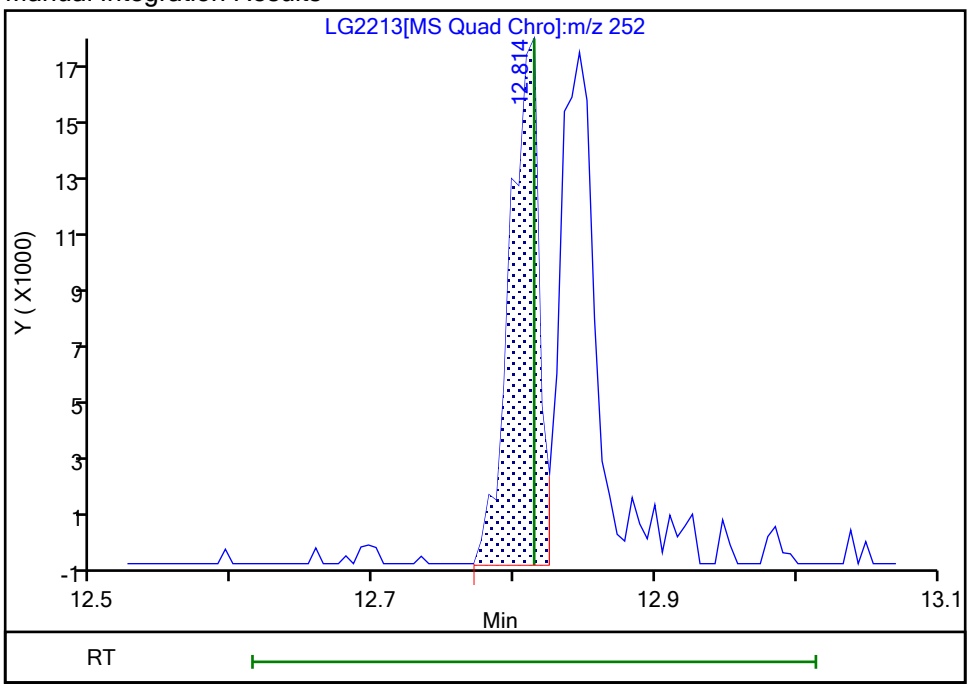
Processing Integration Results

RT: 12.81
Area: 15661
Amount: 0.074281
Amount Units: ug/ml



Manual Integration Results

RT: 12.81
Area: 25809
Amount: 0.116793
Amount Units: ug/ml



Reviewer: bauera, 23-Jul-2022 09:00:15

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

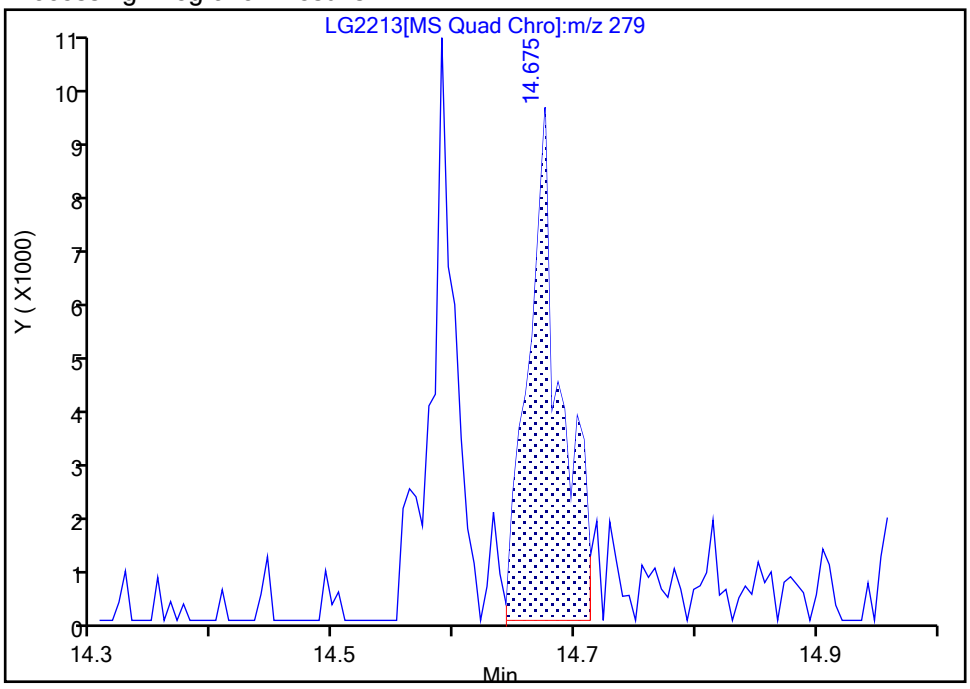
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

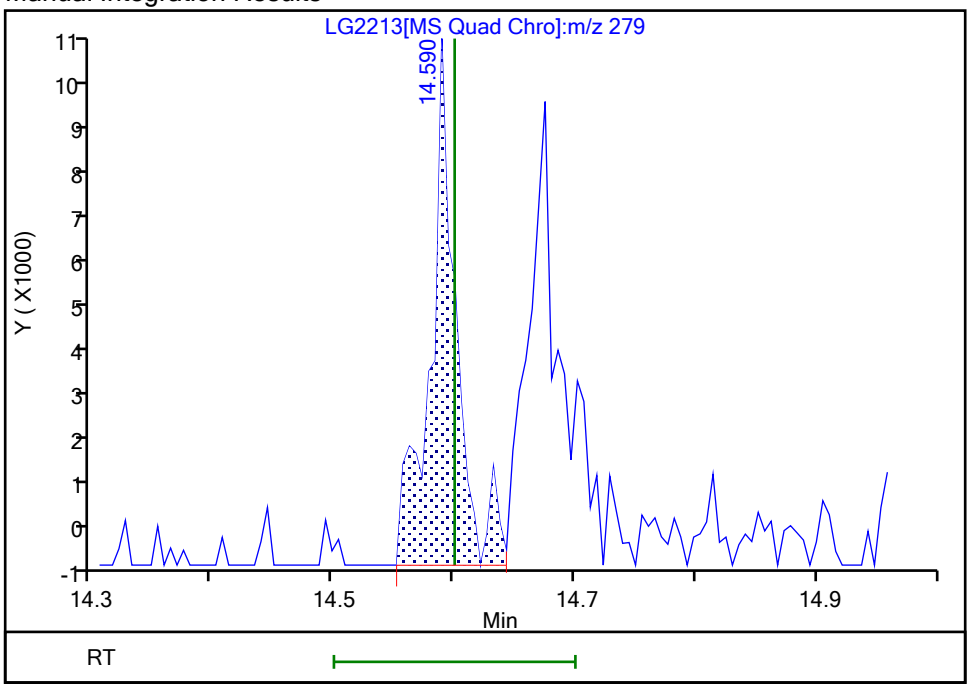
Processing Integration Results

RT: 14.68
Area: 17720
Amount: 0.109913
Amount Units: ug/ml



Manual Integration Results

RT: 14.59
Area: 16207
Amount: 0.117385
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:10:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

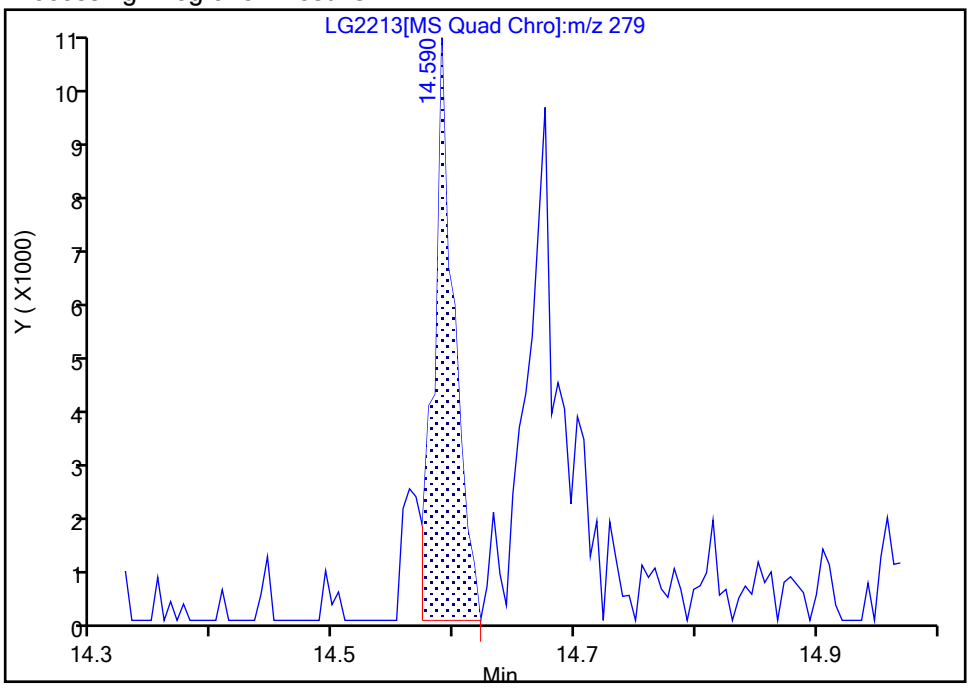
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D
Injection Date: 22-Jul-2022 14:40:23 Instrument ID: HP20296
Lims ID: IC L1
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

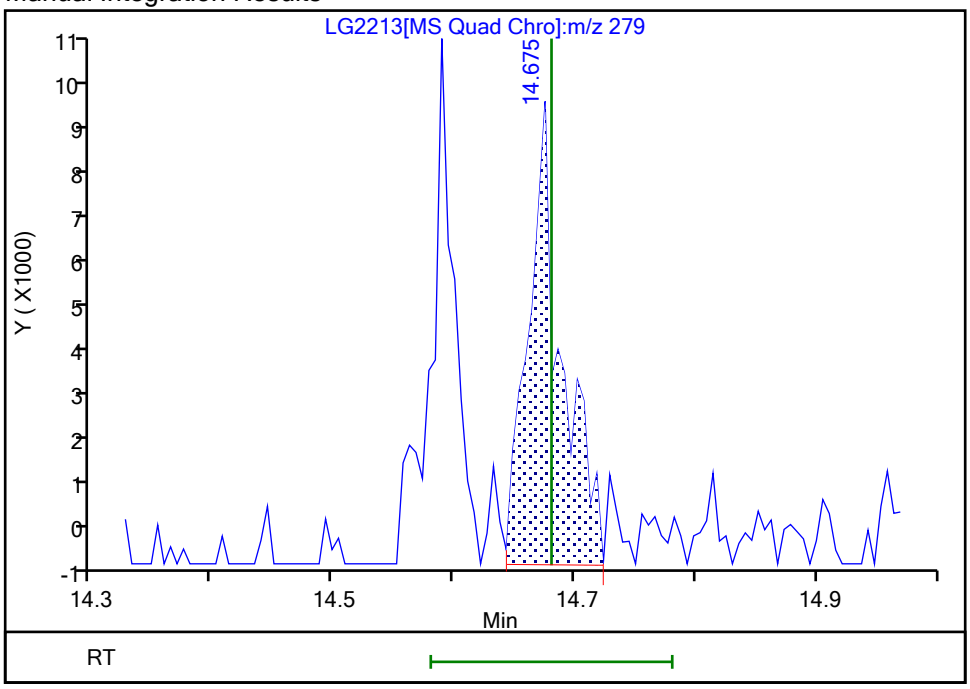
Processing Integration Results

RT: 14.59
Area: 12505
Amount: 0.238126
Amount Units: ug/ml



Manual Integration Results

RT: 14.68
Area: 18616
Amount: 0.115982
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:10:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

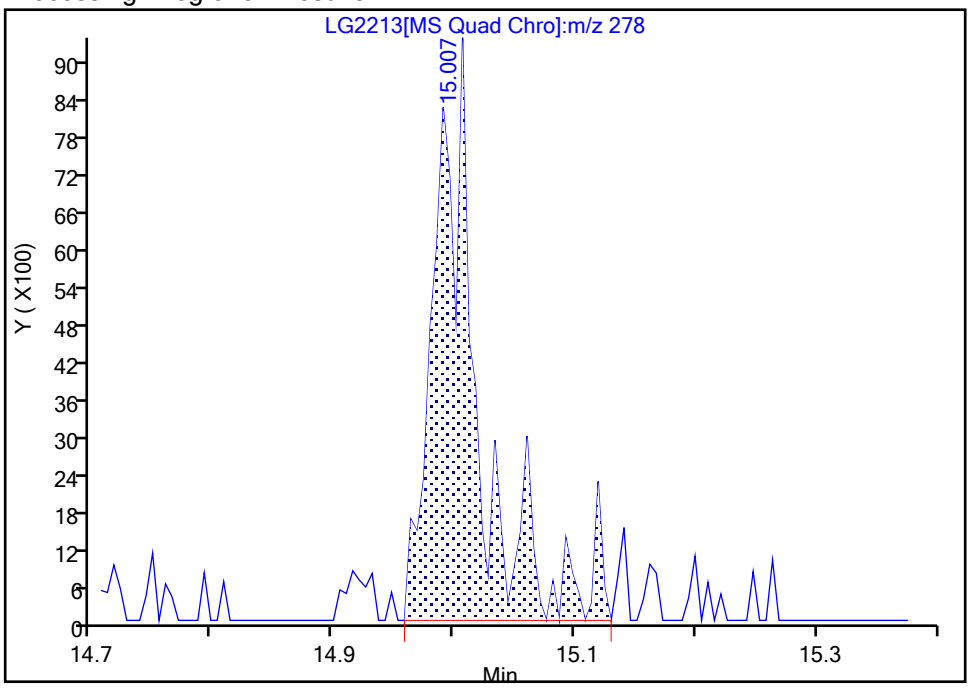
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2213.D				
Injection Date:	22-Jul-2022 14:40:23	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

164 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

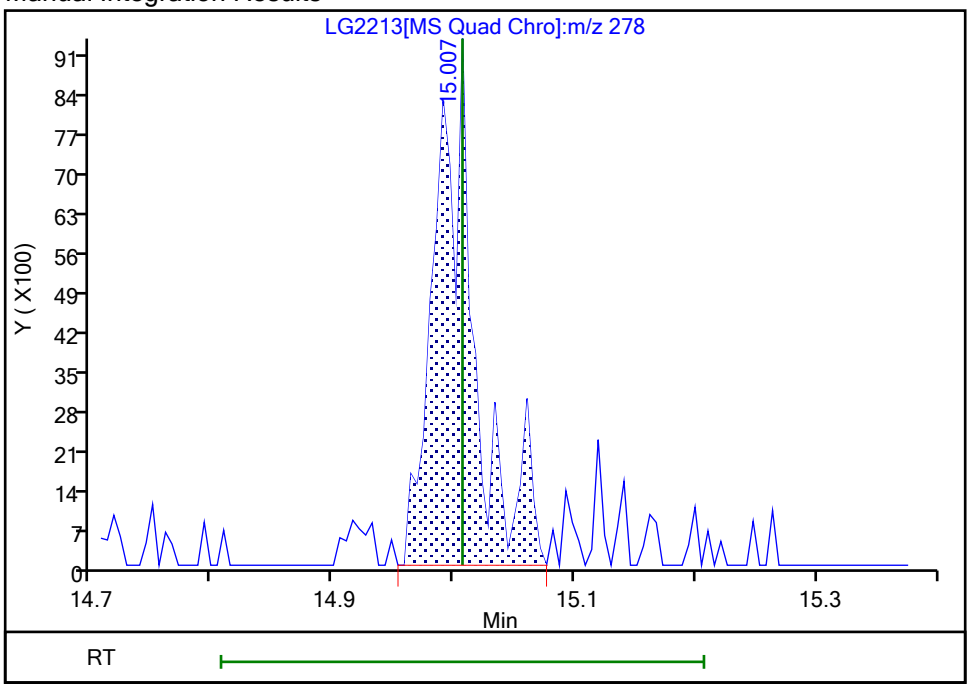
Processing Integration Results

RT: 15.01
Area: 23393
Amount: 0.119407
Amount Units: ug/ml



Manual Integration Results

RT: 15.01
Area: 21414
Amount: 0.122409
Amount Units: ug/ml



Reviewer: bauera, 22-Jul-2022 15:12:48

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Jul-2022 15:01:53 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Operator ID: apb10206 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub40

Method: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Jul-2022 18:05:22 Calib Date: 22-Jul-2022 16:27:33
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: bauera Date: 22-Jul-2022 15:37:16

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.817	1.838	-0.021	1	8194	0.2500	0.3167	
	2 N-Nitrosodimethylamine	74	2.074	2.063	0.011	91	6991	0.2500	0.1797	
	3 Pyridine	79	2.117	2.106	0.011	95	33403	0.5000	0.5139	
	4 Dimethylformamide	73	2.486	2.389	0.097	62	7195	0.2500	0.1609	
	5 2-Picoline	93	2.721	2.710	0.011	87	14596	0.2500	0.2332	
	6 N-Nitrosomethylethylamine	88	2.775	2.796	-0.021	22	20540	0.2500	0.6991	
	9 Methyl methanesulfonate	80	3.074	3.063	0.011	85	11019	0.2500	0.2829	
$	10 2-Fluorophenol	112	3.219	3.218	0.000	90	24284	0.5000	0.4663	
	11 N-Nitrosodiethylamine	102	3.448	3.448	0.000	61	5550	0.2500	0.2192	
	13 Ethyl methanesulfonate	109	3.737	3.732	0.005	94	8233	0.2500	0.2916	
	15 Benzaldehyde	77	4.069	4.064	0.005	90	14951	0.2500	0.2632	
$	16 Phenol-d5	99	4.101	4.101	0.000	96	32519	0.5000	0.4626	
	17 Phenol	94	4.112	4.117	-0.005	95	19410	0.2500	0.2606	
	18 Aniline	93	4.160	4.160	0.000	97	22711	0.2500	0.2498	
	19 Bis(2-chloroethyl)ether	93	4.224	4.224	0.000	98	15951	0.2500	0.2636	
	20 2-Chlorophenol	128	4.272	4.272	0.000	87	13128	0.2500	0.2577	
	22 1,3-Dichlorobenzene	146	4.427	4.427	0.000	90	14872	0.2500	0.2547	
*	24 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	96	184921	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.497	4.497	0.000	87	15890	0.2500	0.2652	
	27 Benzyl alcohol	108	4.604	4.604	0.000	90	9306	0.2500	0.2487	
	29 1,2-Dichlorobenzene	146	4.641	4.641	0.000	89	13924	0.2500	0.2453	
	31 2-Methylphenol	108	4.700	4.700	0.000	89	11174	0.2500	0.2257	
	32 2,2'-oxybis[1-chloropropane]	45	4.743	4.737	0.006	92	18860	0.2500	0.2702	
	34 N-Nitrosopyrrolidine	100	4.834	4.839	-0.005	72	7414	0.2500	0.2441	
	36 4-Methylphenol	108	4.844	4.850	-0.006	89	15709	0.2500	0.2835	
	37 N-Nitrosodi-n-propylamine	70	4.861	4.860	0.001	68	13844	0.2500	0.2687	
	35 Acetophenone	105	4.861	4.860	0.001	87	22595	0.2500	0.2631	
	38 N-Nitrosomorpholine	56	4.877	4.877	0.001	6	9268	0.2500	0.2522	
	39 2-Toluidine	106	4.893	4.893	0.000	88	24130	0.2500	0.2639	
	23 alpha,alpha-Dimethyl phenethylam	58		4.967				ND	ND	U
	40 Hexachloroethane	117	4.962	4.967	-0.005	85	6779	0.2500	0.2688	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	5.005	5.005	0.000	87	30831	0.5000	0.4625	
42 Nitrobenzene	77	5.021	5.026	-0.005	78	23653	0.2500	0.3325	
44 N-Nitrosopiperidine	114	5.171	5.171	0.000	81	6567	0.2500	0.2655	
46 Isophorone	82	5.251	5.251	0.000	97	30747	0.2500	0.2553	
47 2-Nitrophenol	139	5.331	5.326	0.005	51	4365	0.2500	0.2078	
48 2,4-Dimethylphenol	107	5.358	5.363	-0.005	92	14754	0.2500	0.2673	
49 o,o',o''-Triethylphosphorothioat	198	5.433	5.433	0.000	73	7778	0.2500	0.2713	
51 Bis(2-chloroethoxy)methane	93	5.460	5.460	0.000	91	18883	0.2500	0.2695	
52 2,4-Dichlorophenol	162	5.551	5.550	0.000	87	11691	0.2500	0.2657	
54 1,2,4-Trichlorobenzene	180	5.636	5.636	0.000	91	12863	0.2500	0.2427	
* 55 Naphthalene-d8	136	5.695	5.695	0.000	99	634851	5.00	5.00	
56 Naphthalene	128	5.711	5.716	-0.005	94	36980	0.2500	0.2545	
26 Alpha-Terpineol	59	5.722	5.722	0.000	84	13467	0.2500	0.2700	
57 4-Chloroaniline	127	5.759	5.764	-0.005	91	17521	0.2500	0.2760	
58 2,6-Dichlorophenol	162	5.764	5.770	-0.006	79	12433	0.2500	0.2739	
59 Hexachloropropene	213	5.802	5.796	0.006	80	8262	0.2500	0.2216	
60 Hexachlorobutadiene	225	5.834	5.834	0.000	85	9872	0.2500	0.2861	
62 Quinoline	129	6.032	6.032	0.000	91	20544	0.2500	0.2336	
64 Caprolactam	113	6.064	6.080	-0.016	56	2333	0.2500	0.1430	
65 N-Nitrosodi-n-butylamine	84	6.085	6.085	0.000	40	13043	0.2500	0.2490	a
33 p-Phenylene diamine	108	6.096	6.101	-0.005	91	15722	0.2500	0.2350	
66 4-Chloro-3-methylphenol	107	6.219	6.219	0.000	88	10361	0.2500	0.2284	
67 Safrole, Total	162	6.294	6.294	0.000	85	11144	0.2500	0.2825	
69 2-Methylnaphthalene	142	6.374	6.374	0.000	91	22682	0.2500	0.2357	
70 1-Methylnaphthalene	142	6.465	6.465	0.000	94	24565	0.2500	0.2683	
71 Hexachlorocyclopentadiene	237	6.513	6.524	-0.011	87	1593	0.2500	0.0378	
72 1,2,4,5-Tetrachlorobenzene	216	6.529	6.529	0.000	92	16880	0.2500	0.2594	
73 Isosafrole Peak 1	162	6.567	6.572	-0.005	15	3540	0.0400	0.0752	a
74 2,4,6-Trichlorophenol	196	6.636	6.636	0.000	76	10079	0.2500	0.2637	
75 2,4,5-Trichlorophenol	196	6.668	6.668	0.000	86	8225	0.2500	0.1980	
$ 76 2-Fluorobiphenyl (Surr)	172	6.722	6.722	0.000	98	64748	0.5000	0.4981	
77 Isosafrole Peak 2	162	6.781	6.786	-0.005	89	11643	0.2100	0.2278	
79 1,1'-Biphenyl	154	6.818	6.818	0.000	92	31012	0.2500	0.2396	
80 2-Chloronaphthalene	162	6.834	6.834	0.000	92	21948	0.2500	0.2129	
81 1-Chloronaphthalene	162	6.856	6.856	0.000	96	24469	0.2500	0.2508	
82 Phenyl ether	170	6.920	6.920	0.000	90	15557	0.2500	0.2176	
83 2-Nitroaniline	138	6.925	6.930	-0.005	63	6597	0.2500	0.2218	
84 1,4-Naphthoquinone	158	6.995	7.005	-0.010	77	10228	0.2500	0.2541	
85 1,4-Dinitrobenzene	168	7.053	7.064	-0.011	35	1907	0.2500	0.1385	a
86 Dimethyl phthalate	163	7.107	7.107	0.000	95	30944	0.2500	0.2481	
87 1,3-Dinitrobenzene	168	7.123	7.134	-0.011	15	3623	0.2500	0.2133	
88 2,6-Dinitrotoluene	165	7.155	7.160	-0.005	64	5842	0.2500	0.2285	
90 Acenaphthylene	152	7.225	7.230	-0.005	96	35375	0.2500	0.2246	
91 3-Nitroaniline	138	7.316	7.315	0.001	88	5174	0.2500	0.2010	
* 92 Acenaphthene-d10	164	7.358	7.364	-0.006	94	424450	5.00	5.00	
93 Acenaphthene	153	7.390	7.390	0.000	97	26604	0.2500	0.2412	
94 2,4-Dinitrophenol	184	7.412	7.417	-0.005	67	16333	2.50	4.16	
96 4-Nitrophenol	109	7.465	7.471	-0.006	87	24799	1.50	1.30	
98 Pentachlorobenzene	250	7.508	7.513	-0.005	94	13960	0.2500	0.2590	
99 2,4-Dinitrotoluene	165	7.540	7.540	0.000	83	6846	0.2500	0.1994	
100 Dibenzofuran	168	7.556	7.556	0.000	97	38718	0.2500	0.2494	
101 1-Naphthylamine	143	7.626	7.631	-0.005	95	28277	0.2500	0.2684	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.669	7.669	0.001	71	8581	0.2500	0.2360	a
103 2-Naphthylamine	143	7.701	7.706	-0.005	92	24552	0.2500	0.2301	
104 Diethyl phthalate	149	7.776	7.781	-0.005	97	28678	0.2500	0.2379	
106 Thionazin	107	7.845	7.856	-0.011	69	3833	0.2500	0.2086	Ma
105 Fluorene	166	7.877	7.882	-0.005	93	27483	0.2500	0.2125	
108 4-Chlorophenyl phenyl ether	204	7.883	7.888	-0.005	81	17714	0.2500	0.2505	
107 N-Nitro-o-toluidine	152	7.888	7.888	0.000	68	7877	0.2500	0.2360	
109 4-Nitroaniline	138	7.888	7.893	-0.005	73	7594	0.2500	0.2435	
110 4,6-Dinitro-2-methylphenol	198	7.920	7.925	-0.005	80	12458	1.50	2.74	
111 N-Nitrosodiphenylamine	169	7.989	7.995	-0.006	94	22215	0.2125	0.2127	
112 1,2-Diphenylhydrazine	77	8.032	8.038	-0.006	96	34619	0.2500	0.2274	a
$ 113 2,4,6-Tribromophenol	330	8.107	8.107	0.000	88	9174	0.5000	0.4454	
114 Sulfotepp	97	8.150	8.155	-0.005	77	6543	0.2500	0.2818	
175 1,3,5-Trinitrobenzene	213	8.219	8.241	-0.022	1	1487	0.2500	0.1293	
115 cis-Diallate	86	8.268	8.273	-0.005	30	11426	0.1850	0.2058	
116 Phorate	75	8.278	8.284	-0.006	92	19068	0.2500	0.2254	
117 Phenacetin	108	8.278	8.289	-0.011	70	12793	0.2500	0.2068	
118 4-Bromophenyl phenyl ether	248	8.348	8.348	0.000	70	11079	0.2500	0.2736	
119 trans-Diallate	86	8.353	8.358	-0.005	38	8595	0.0650	0.1584	a
120 Hexachlorobenzene	284	8.391	8.396	-0.005	86	9720	0.2500	0.2147	
121 Dimethoate	87	8.428	8.439	-0.011	89	10751	0.2500	0.2230	a
122 Atrazine	200	8.498	8.508	-0.010	85	9933	0.2500	0.2380	
123 Pentachlorophenol	266	8.578	8.583	-0.005	92	26143	1.25	1.00	
124 4-Aminobiphenyl	169	8.589	8.594	-0.005	90	36055	0.2500	0.2416	
125 Pentachloronitrobenzene	237	8.594	8.594	0.000	48	6309	0.2500	0.2973	
126 Pronamide	173	8.647	8.653	-0.006	87	10526	0.2500	0.1703	
128 Dinoseb	211	8.760	8.765	-0.005	60	3289	0.2500	1.07	
* 127 Phenanthrene-d10	188	8.765	8.770	-0.005	97	876941	5.00	5.00	
68 Disulfoton	88	8.776	8.781	-0.005	54	30664	0.2500	0.3501	
129 Phenanthrene	178	8.786	8.792	-0.006	93	43522	0.2500	0.2211	
130 Anthracene	178	8.840	8.840	0.000	95	47941	0.2500	0.2400	
S 53 Dinitrotoluene	165				0			0.4279	
131 Carbazole	167	8.990	8.995	-0.005	95	45618	0.2500	0.2582	
132 Methyl parathion	109	9.123	9.129	-0.006	76	5444	0.2500	0.1517	
133 Di-n-butyl phthalate	149	9.337	9.337	0.000	99	40899	0.2500	0.2089	
134 Ethyl Parathion	109	9.503	9.503	0.000	52	5000	0.2500	0.2137	
135 4-Nitroquinoline-1-oxide	190	9.525	9.524	0.001	15	2170	0.2500	0.7383	
S 63 Diallate	86				0		0.2500	0.3642	
136 Octachlorostyrene	308	9.722	9.738	-0.016	74	5498	0.2500	0.3033	
137 Isodrin	193	9.781	9.781	0.000	80	8116	0.2500	0.3186	
138 Fluoranthene	202	9.915	9.920	-0.005	96	60485	0.2500	0.2624	
139 Benzidine	184	10.049	10.059	-0.010	97	72148	0.7500	0.5060	
* 140 Pyrene-d10 (IS)	212	10.113	10.118	-0.005	95	960447	5.00	5.00	
141 Pyrene	202	10.134	10.140	-0.006	95	51697	0.2500	0.2152	
$ 142 p-Terphenyl-d14	244	10.295	10.300	-0.005	97	94597	0.5000	0.5229	
143 p-Dimethylamino azobenzene	225	10.428	10.439	-0.011	91	9174	0.2500	0.2238	
144 Chlorobenzilate	139	10.487	10.487	0.000	79	11916	0.2500	0.2101	
145 3,3'-Dimethylbenzidine	212	10.781	10.787	-0.006	96	22529	0.2500	0.1525	
146 Butyl benzyl phthalate	149	10.808	10.814	-0.006	92	16801	0.2500	0.2026	
147 2-Acetylaminofluorene	181	11.049	11.060	-0.011	92	14185	0.2500	0.1780	
148 3,3'-Dichlorobenzidine	252	11.386	11.397	-0.010	65	19897	0.2500	0.2278	
150 4,4'-Methylene bis(2-chloroani	231	11.402	11.407	-0.005	66	9585	0.2500	0.2056	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.407	11.413	-0.006	96	51026	0.2500	0.2196	
151 Chrysene	228	11.450	11.455	-0.005	95	50200	0.2500	0.2192	
152 Bis(2-ethylhexyl) phthalate	149	11.482	11.493	-0.011	92	18300	0.2500	0.1506	
153 6-Methylchrysene	242	12.017	12.022	-0.005	94	30551	0.2500	0.2077	
154 Di-n-octyl phthalate	149	12.349	12.354	-0.005	95	27433	0.2500	0.8489	
156 7,12-Dimethylbenz(a)anthracene	256	12.798	12.814	-0.016	69	20621	0.2500	0.2331	
155 Benzo[b]fluoranthene	252	12.809	12.814	-0.005	96	49066	0.2500	0.2332	
157 Benzo[k]fluoranthene	252	12.841	12.851	-0.010	98	50138	0.2500	0.2283	
158 Benzo[a]pyrene	252	13.263	13.269	-0.006	79	35053	0.2500	0.2014	
* 159 Perylene-d12	264	13.343	13.349	-0.006	98	762625	5.00	5.00	
160 3-Methylcholanthrene	268	13.782	13.787	-0.005	87	19193	0.2500	0.2075	
161 Dibenz[a,h]acridine	279	14.590	14.600	-0.010	12	26692	0.2500	0.2030	Ma
162 Dibenz[a,j]acridine	279	14.665	14.681	-0.016	20	34512	0.2500	0.2258	Ma
163 Indeno[1,2,3-cd]pyrene	276	14.943	14.959	-0.016	94	32939	0.2500	0.2201	M
164 Dibenz(a,h)anthracene	278	14.996	15.007	-0.011	78	37008	0.2500	0.2221	M
165 Benzo[g,h,i]perylene	276	15.381	15.408	-0.027	84	38845	0.2500	0.2213	M
S 166 Isosafrole	162				0		0.2500	0.3030	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_2_00023 Amount Added: 1.00 Units: mL

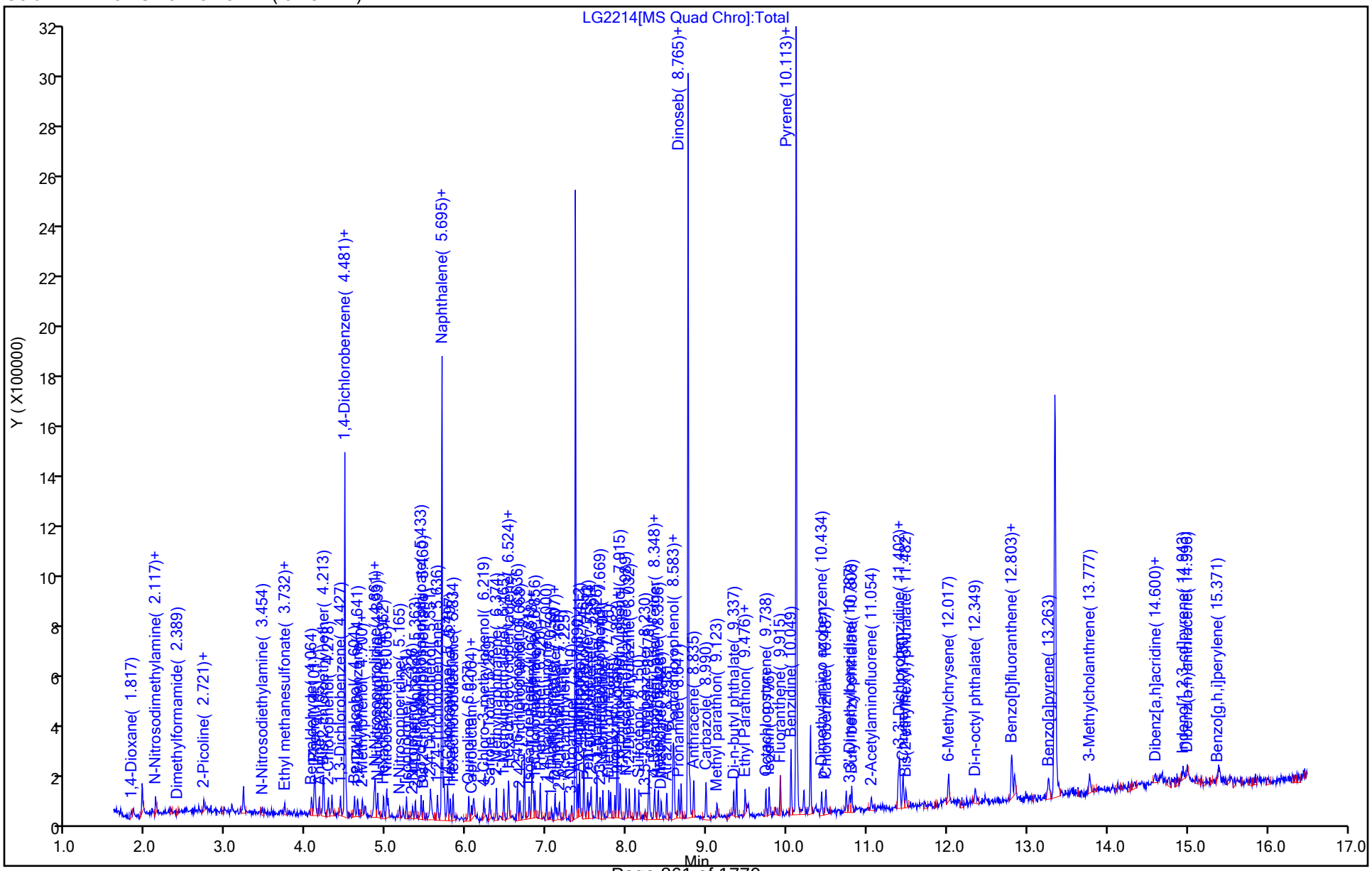
Report Date: 25-Jul-2022 18:05:23 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D

Injection Date:	22-Jul-2022 15:01:53	Instrument ID:	HP20296	Operator ID:	apb10206
Lims ID:	IC L2			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

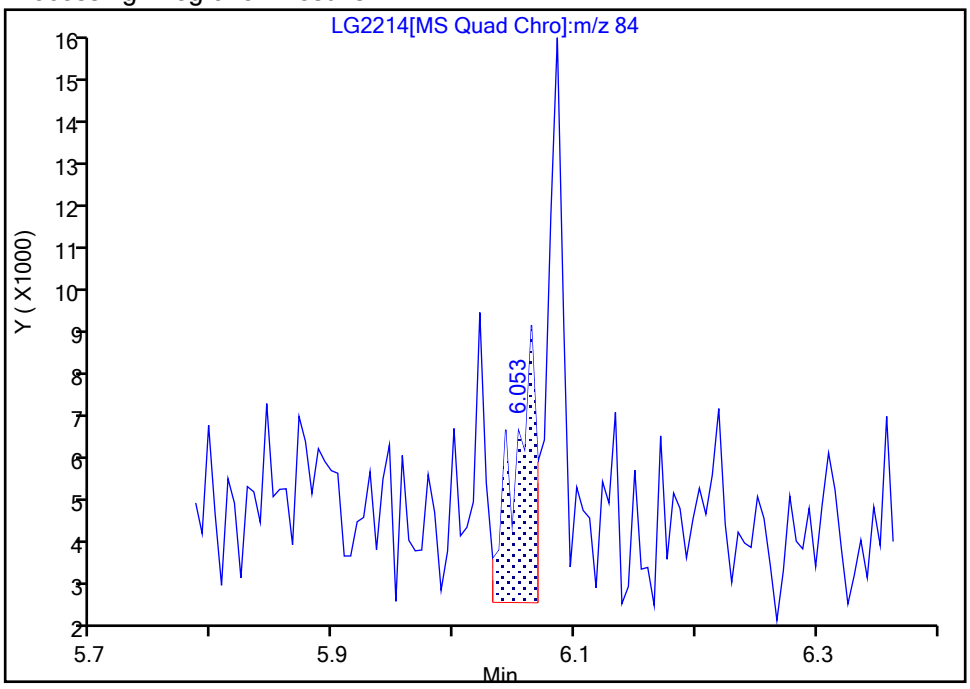
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D
Injection Date: 22-Jul-2022 15:01:53 Instrument ID: HP20296
Lims ID: IC L2
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

65 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Signal: 1

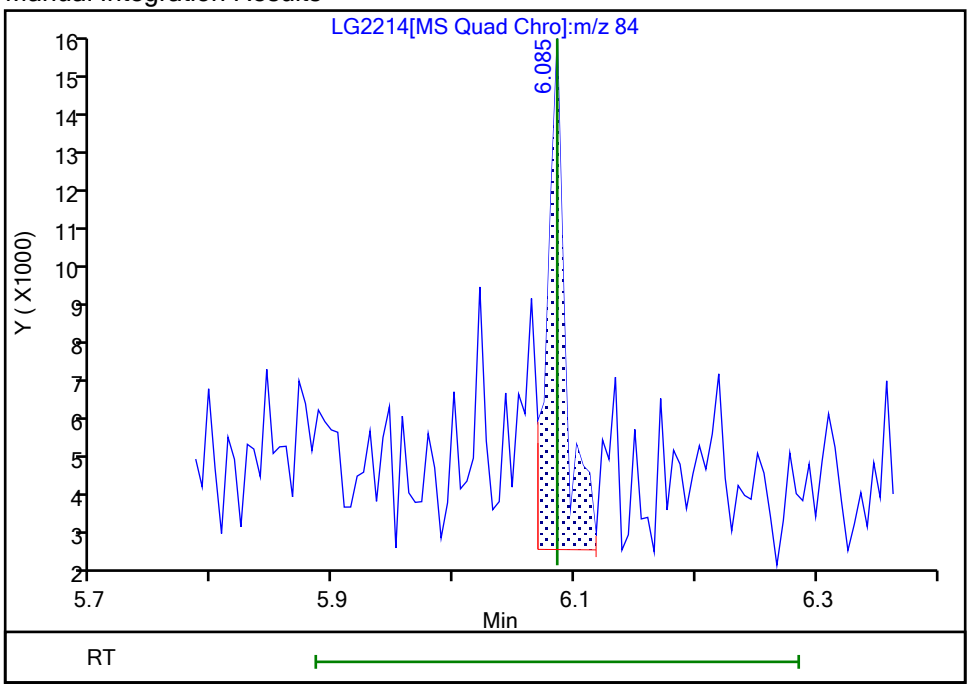
Processing Integration Results

RT: 6.05
Area: 7122
Amount: 0.018586
Amount Units: ug/ml



Manual Integration Results

RT: 6.09
Area: 13043
Amount: 0.248983
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:05:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

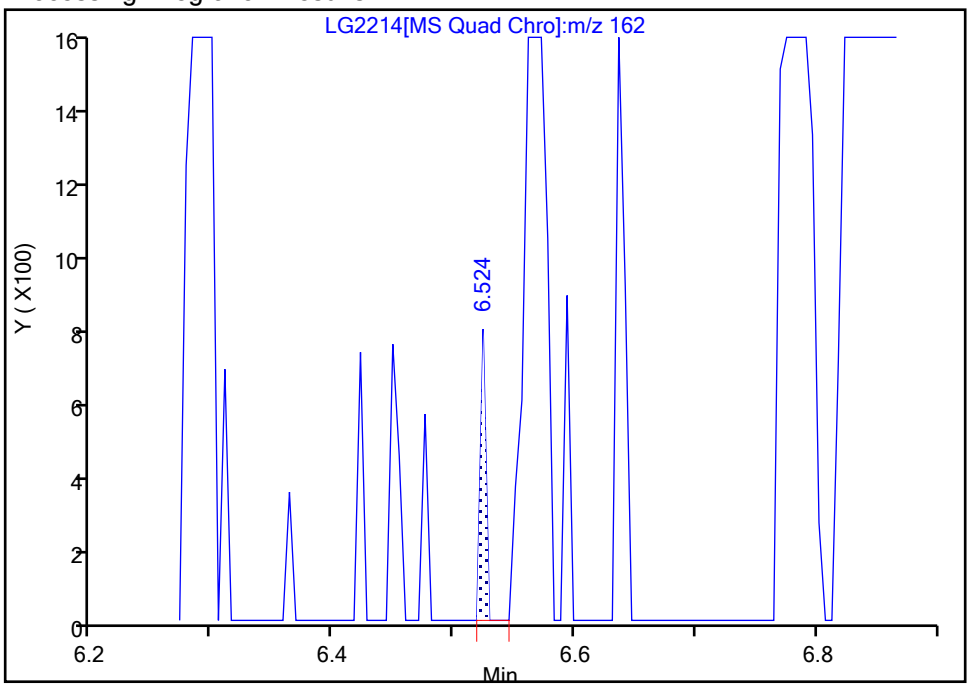
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D				
Injection Date:	22-Jul-2022 15:01:53	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

73 Isosafrole Peak 1, CAS: 120-58-1

Signal: 1

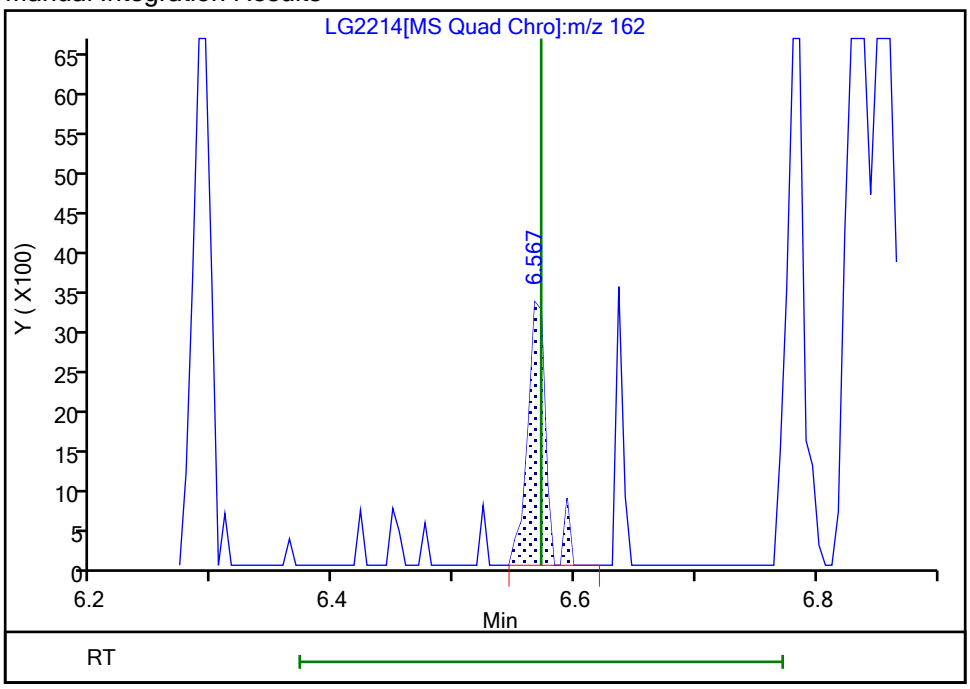
Processing Integration Results

RT: 6.52
Area: 242
Amount: 0.004766
Amount Units: ug/ml



Manual Integration Results

RT: 6.57
Area: 3540
Amount: 0.075212
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:05:14
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

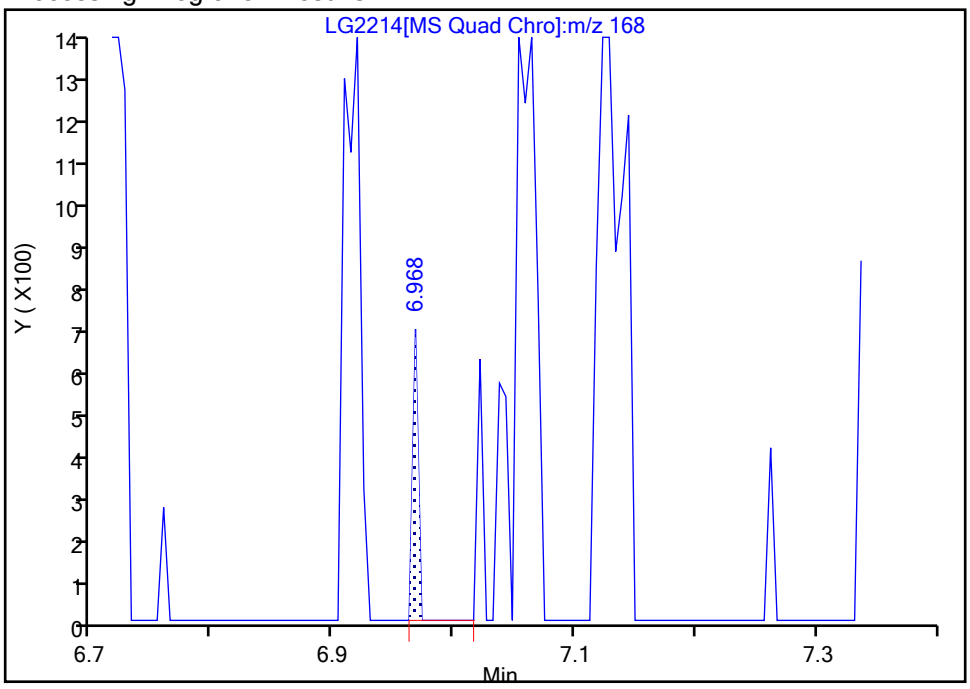
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D				
Injection Date:	22-Jul-2022 15:01:53	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

85 1,4-Dinitrobenzene, CAS: 100-25-4

Signal: 1

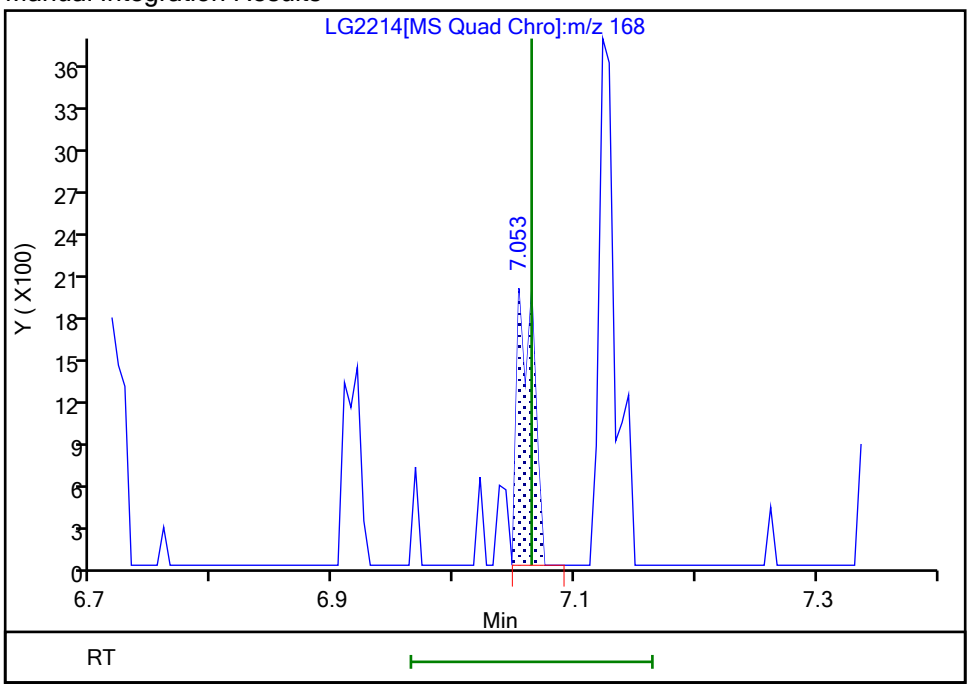
Processing Integration Results

RT: 6.97
Area: 224
Amount: 0.018645
Amount Units: ug/ml



Manual Integration Results

RT: 7.05
Area: 1907
Amount: 0.138504
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:05:22
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

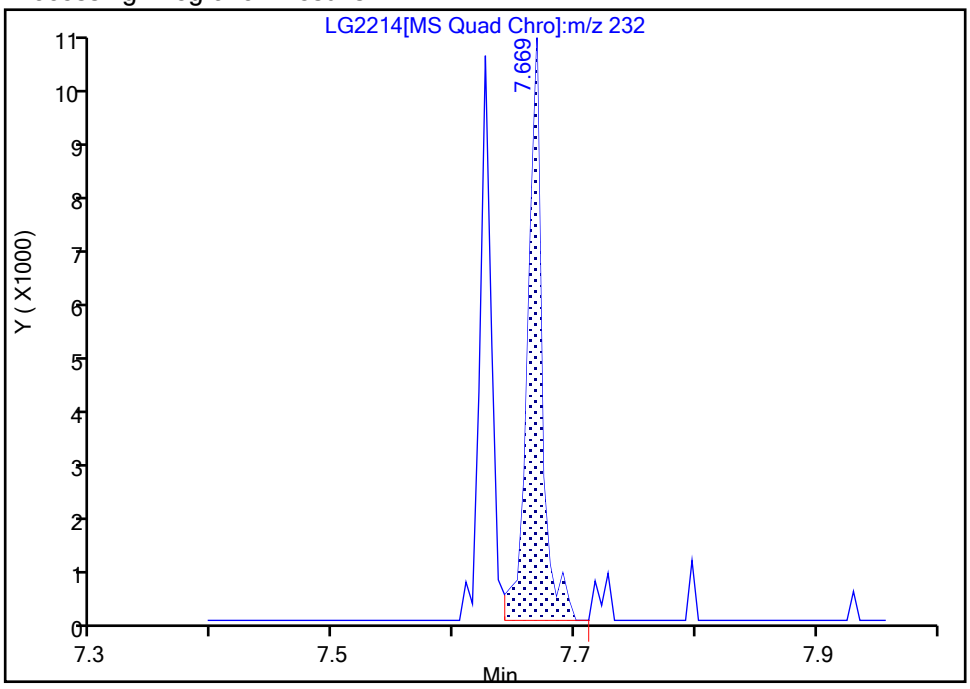
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D				
Injection Date:	22-Jul-2022 15:01:53	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

102 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

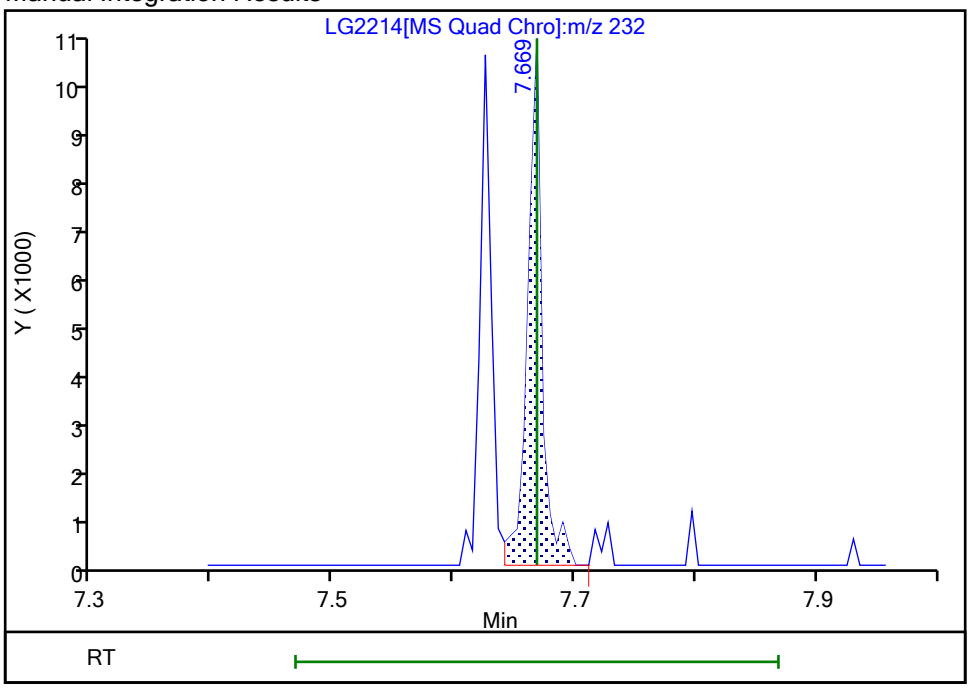
Processing Integration Results

RT: 7.67
Area: 8581
Amount: 0.247096
Amount Units: ug/ml



Manual Integration Results

RT: 7.67
Area: 8581
Amount: 0.236031
Amount Units: ug/ml



Reviewer: P7EB, 25-Jul-2022 14:45:44

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

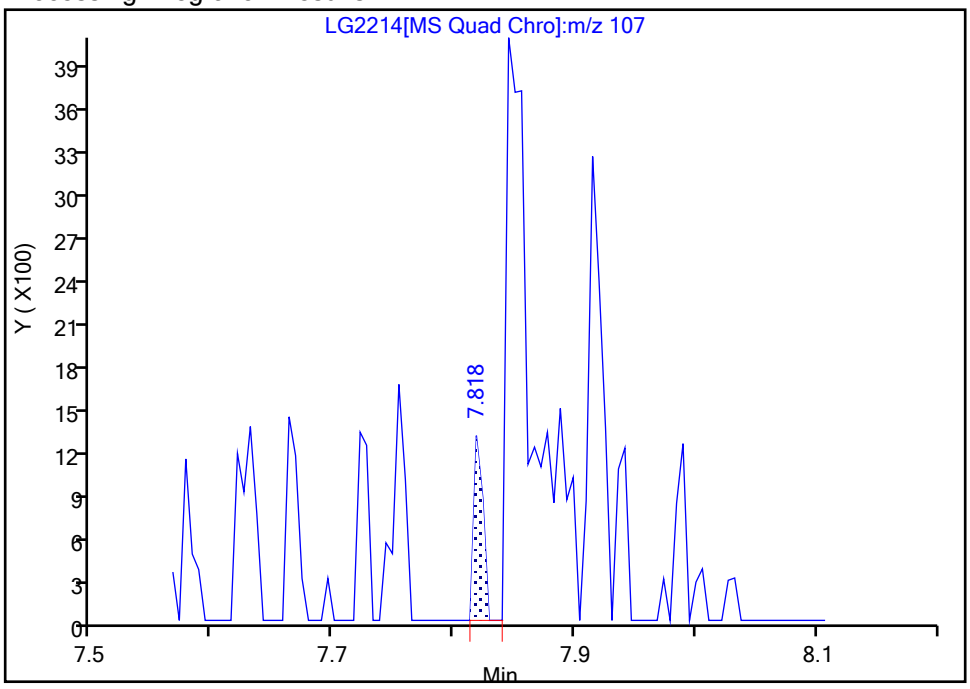
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D
Injection Date: 22-Jul-2022 15:01:53 Instrument ID: HP20296
Lims ID: IC L2
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

106 Thionazin, CAS: 297-97-2

Signal: 1

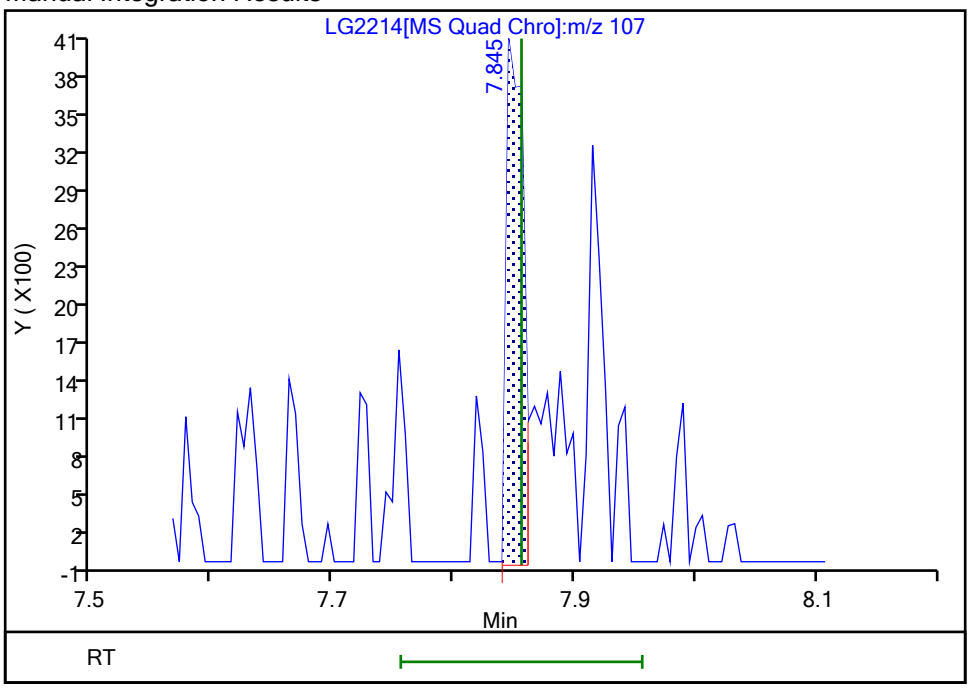
Processing Integration Results

RT: 7.82
Area: 678
Amount: 0.035613
Amount Units: ug/ml



Manual Integration Results

RT: 7.85
Area: 3833
Amount: 0.208562
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:05:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

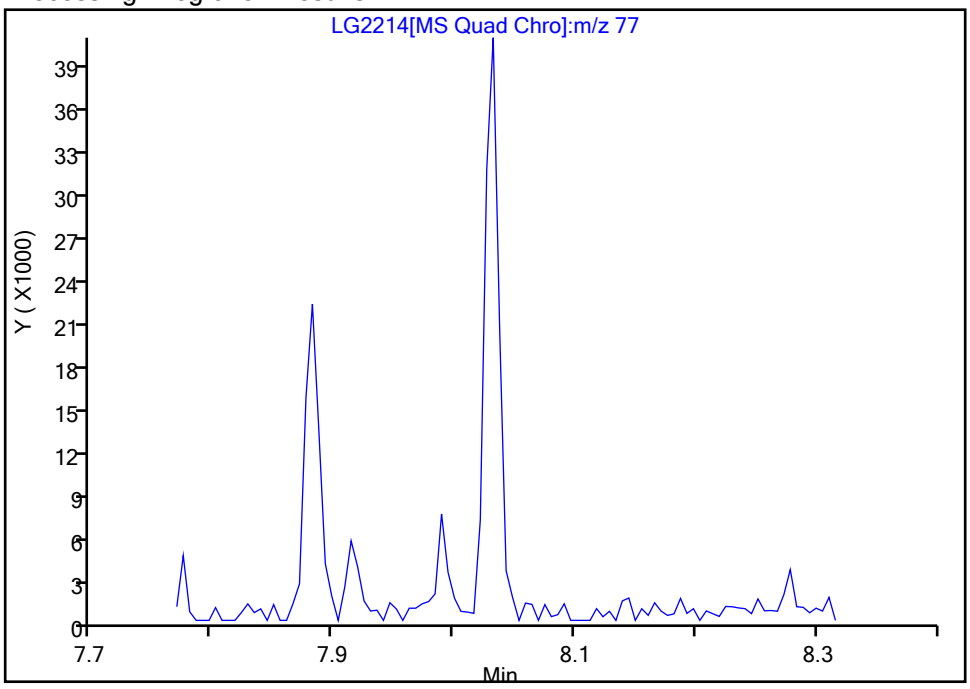
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D
Injection Date: 22-Jul-2022 15:01:53 Instrument ID: HP20296
Lims ID: IC L2
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

112 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

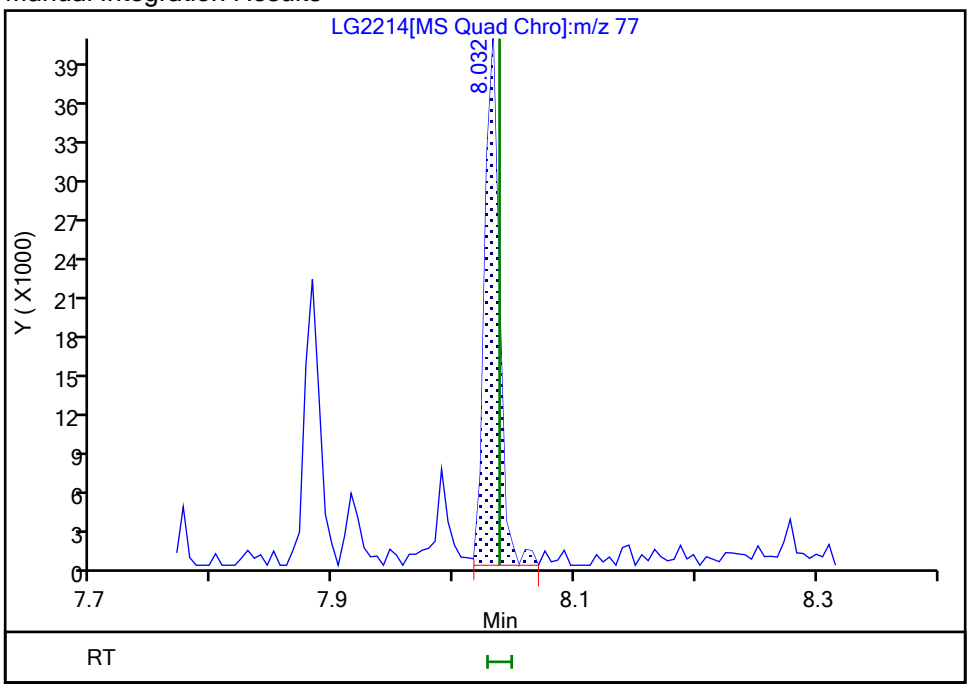
Not Detected
Expected RT: 8.04

Processing Integration Results



Manual Integration Results

RT: 8.03
Area: 34619
Amount: 0.227382
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:05:59
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

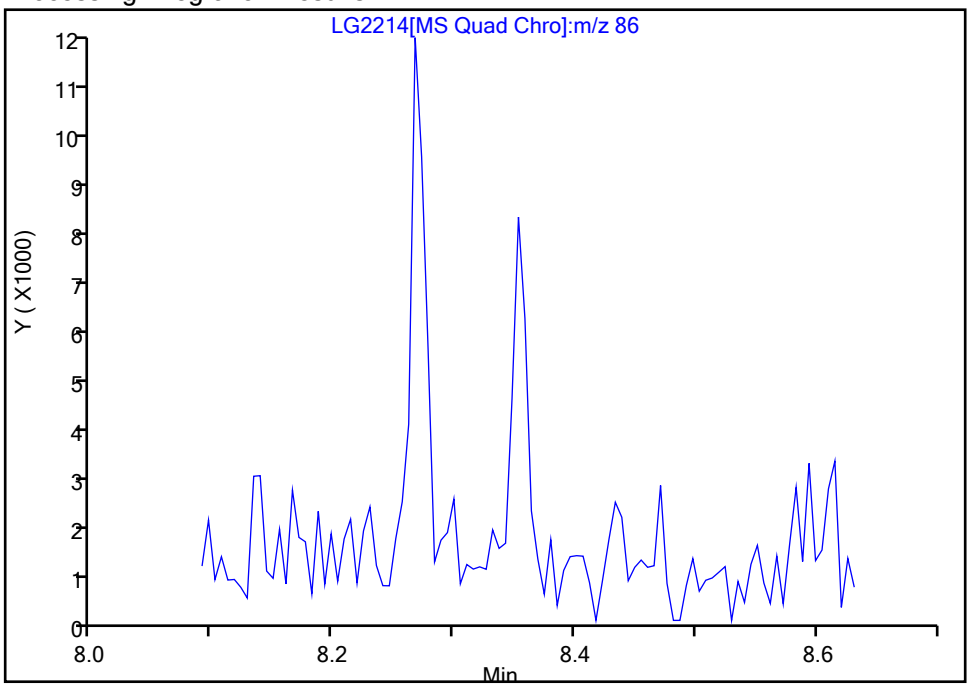
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D				
Injection Date:	22-Jul-2022 15:01:53	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

119 trans-Diallate, CAS: 17708-58-6

Signal: 1

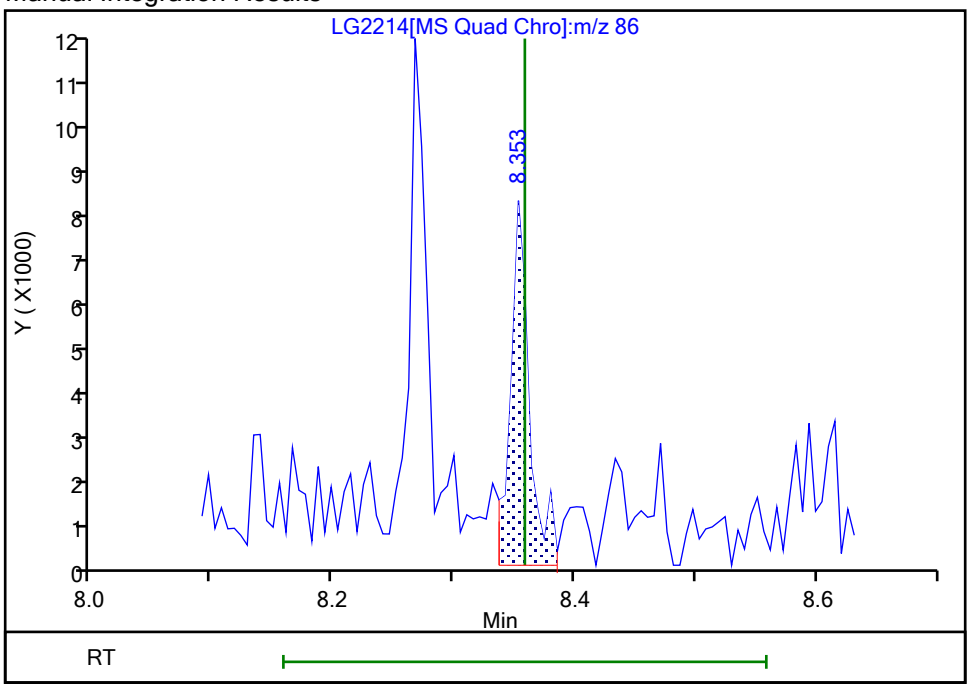
Not Detected
Expected RT: 8.36

Processing Integration Results



Manual Integration Results

RT: 8.35
Area: 8595
Amount: 0.158417
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:06:07
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

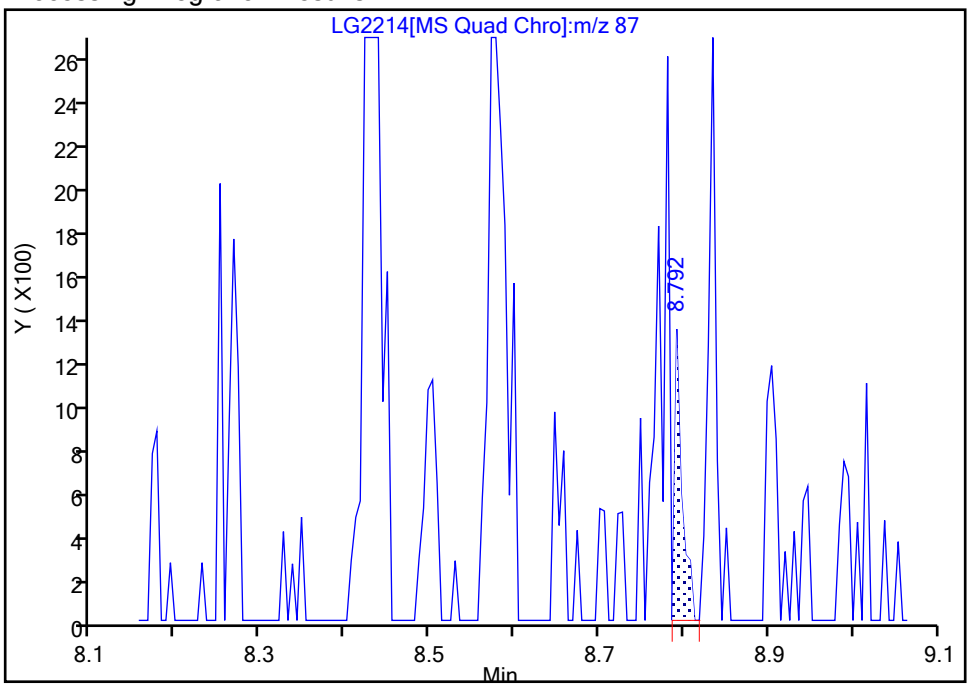
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D				
Injection Date:	22-Jul-2022 15:01:53	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

121 Dimethoate, CAS: 60-51-5

Signal: 1

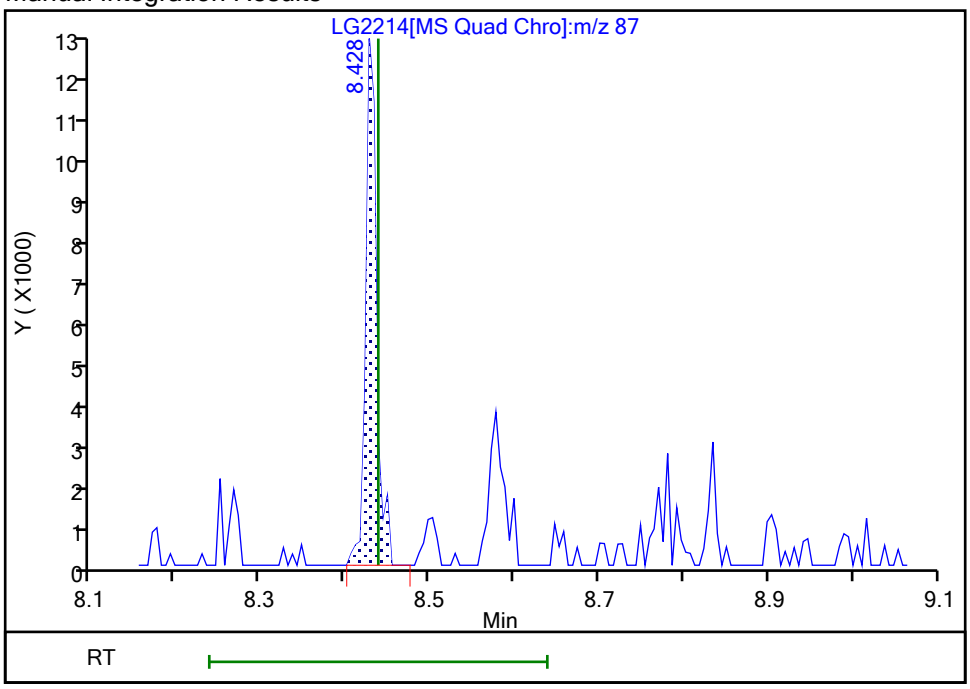
Processing Integration Results

RT: 8.79
Area: 798
Amount: 0.035625
Amount Units: ug/ml



Manual Integration Results

RT: 8.43
Area: 10751
Amount: 0.223049
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:06:14
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

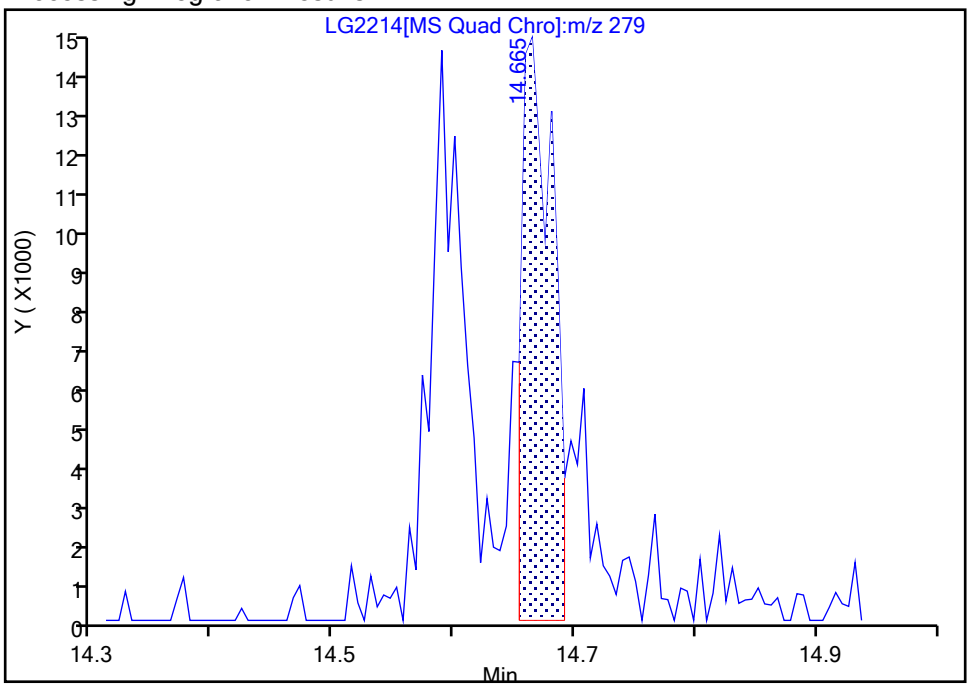
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D
Injection Date: 22-Jul-2022 15:01:53 Instrument ID: HP20296
Lims ID: IC L2
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

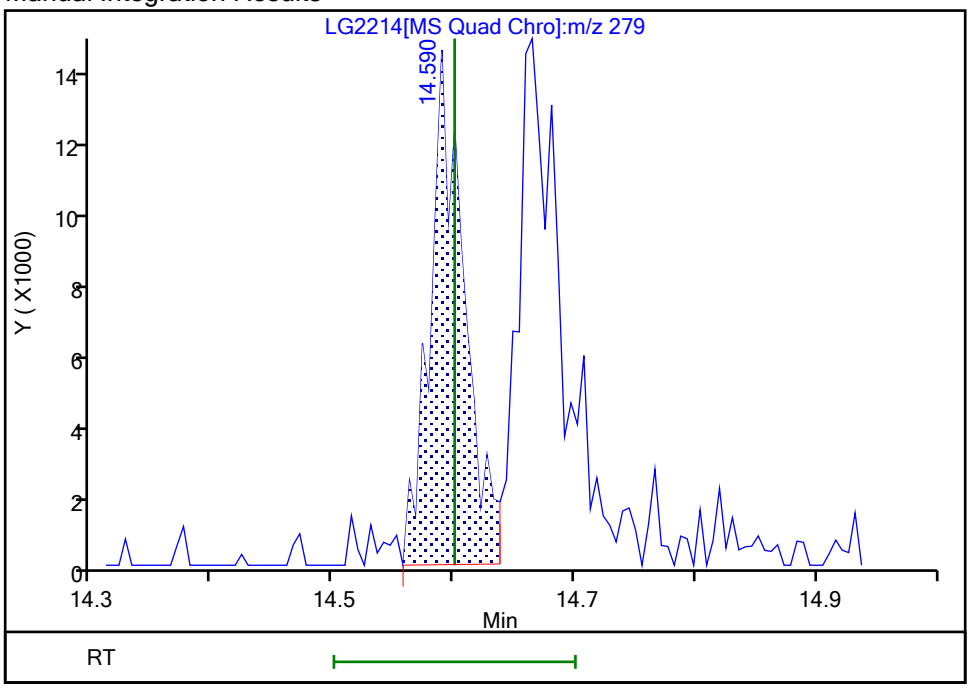
Processing Integration Results

RT: 14.66
Area: 23565
Amount: 0.253157
Amount Units: ug/ml



Manual Integration Results

RT: 14.59
Area: 26692
Amount: 0.203010
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:11:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

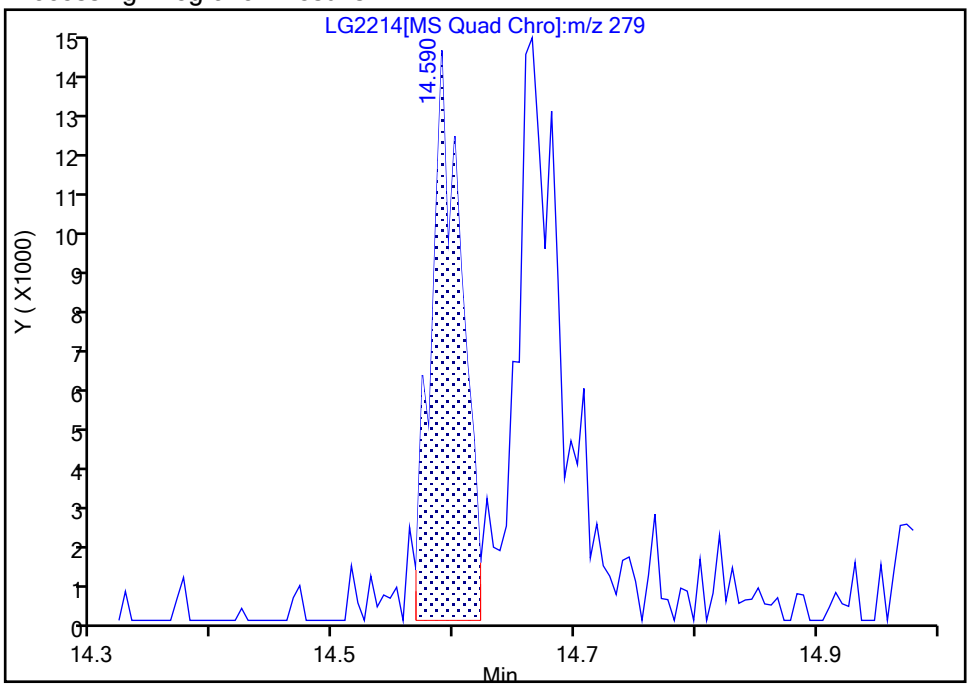
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D
Injection Date: 22-Jul-2022 15:01:53 Instrument ID: HP20296
Lims ID: IC L2
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

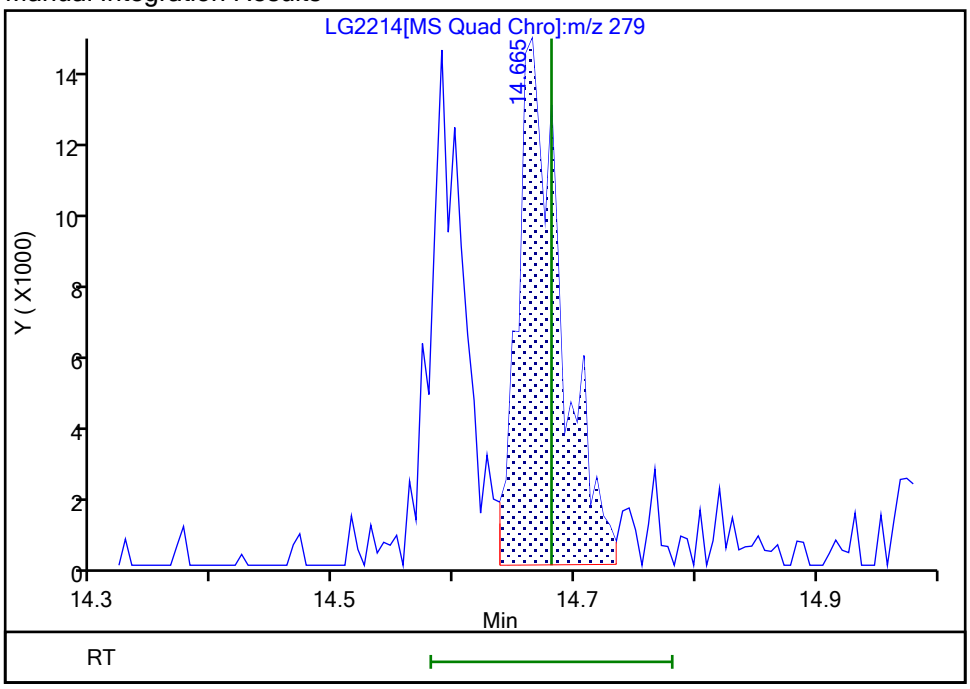
Processing Integration Results

RT: 14.59
Area: 23871
Amount: 0.336689
Amount Units: ug/ml



Manual Integration Results

RT: 14.66
Area: 34512
Amount: 0.225788
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:10:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

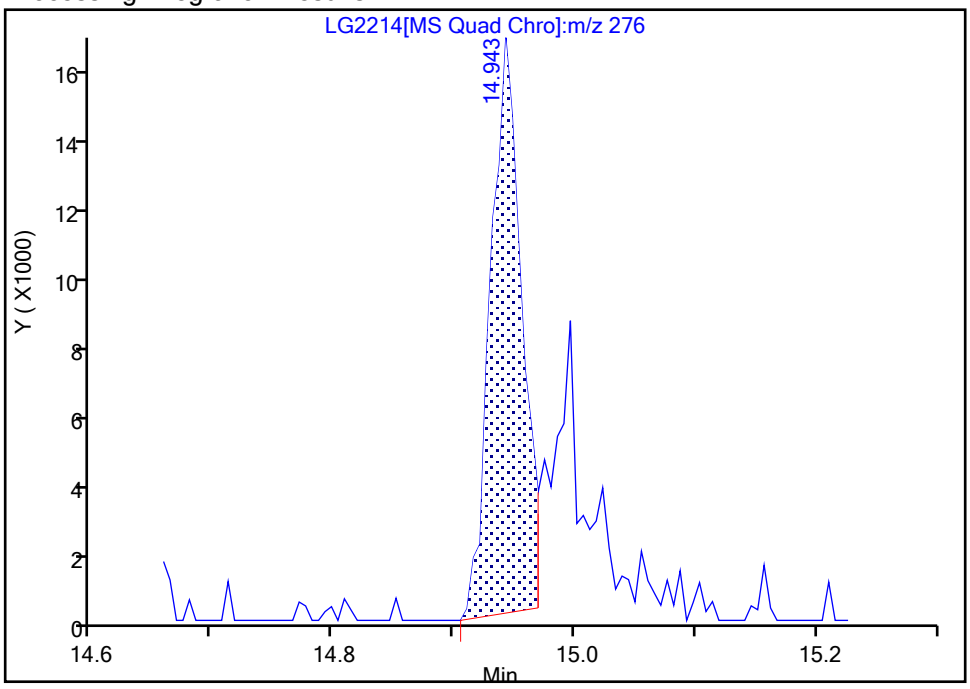
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D				
Injection Date:	22-Jul-2022 15:01:53	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

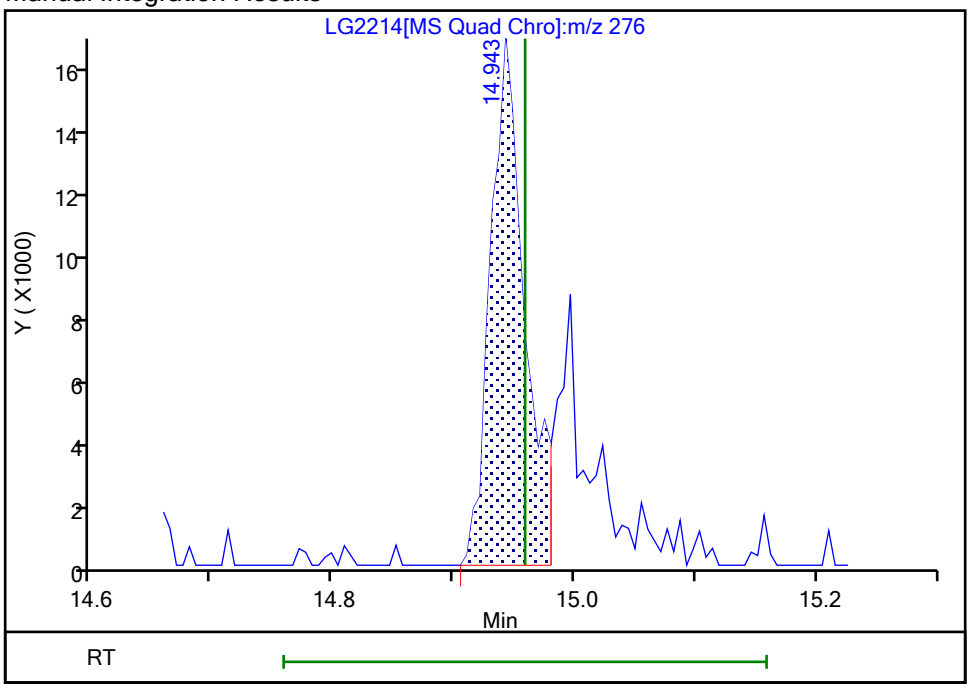
Processing Integration Results

RT: 14.94
Area: 29518
Amount: 0.192671
Amount Units: ug/ml



Manual Integration Results

RT: 14.94
Area: 32939
Amount: 0.220058
Amount Units: ug/ml



Reviewer: bauera, 22-Jul-2022 15:37:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

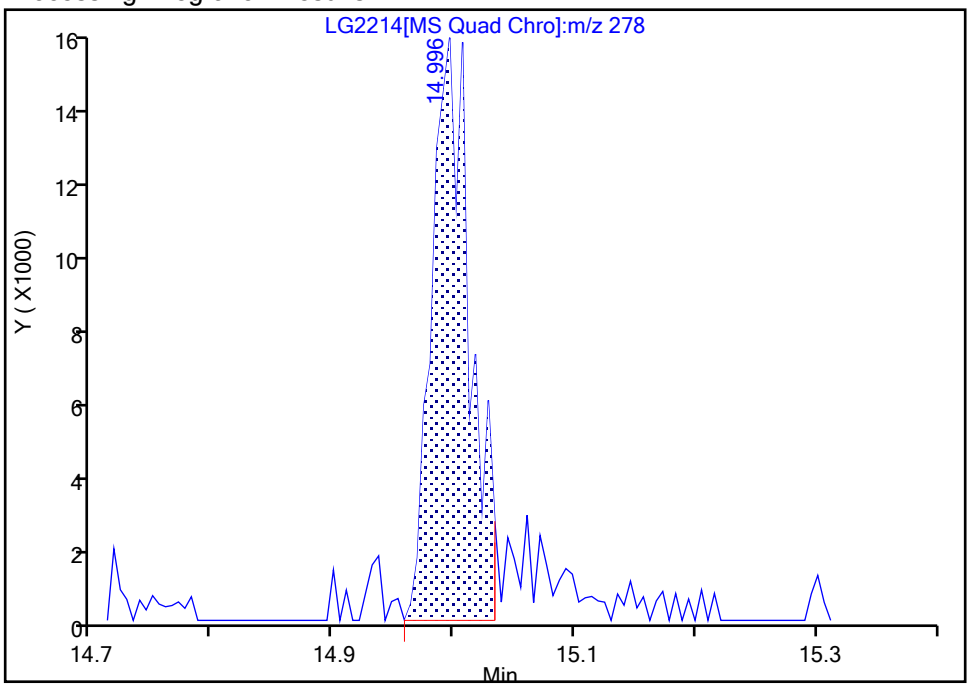
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D				
Injection Date:	22-Jul-2022 15:01:53	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

164 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

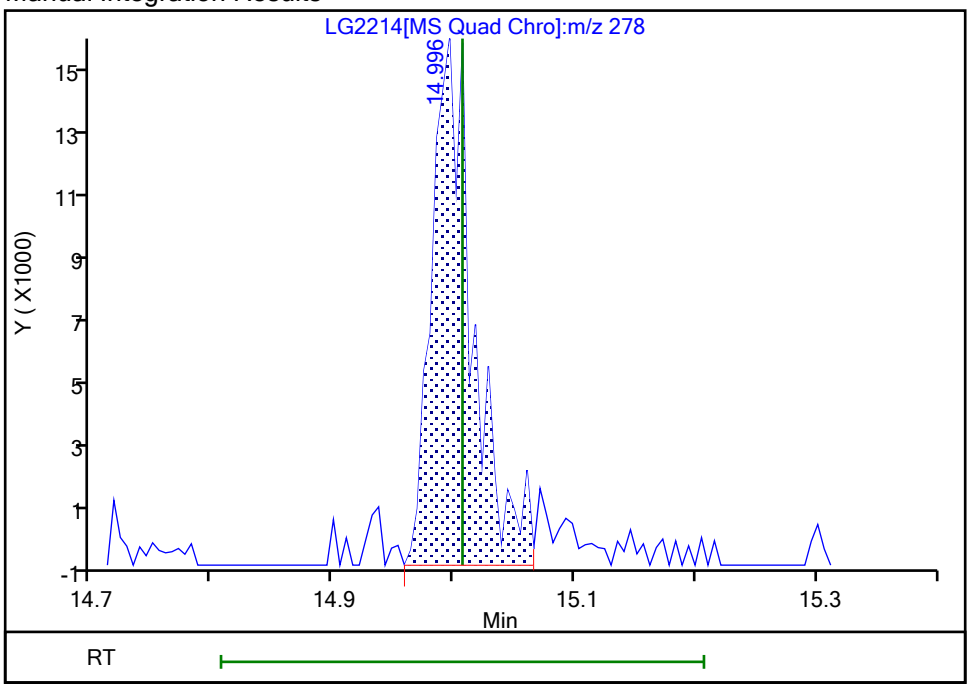
Processing Integration Results

RT: 15.00
Area: 33896
Amount: 0.199330
Amount Units: ug/ml



Manual Integration Results

RT: 15.00
Area: 37008
Amount: 0.222147
Amount Units: ug/ml



Reviewer: bauera, 22-Jul-2022 15:36:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

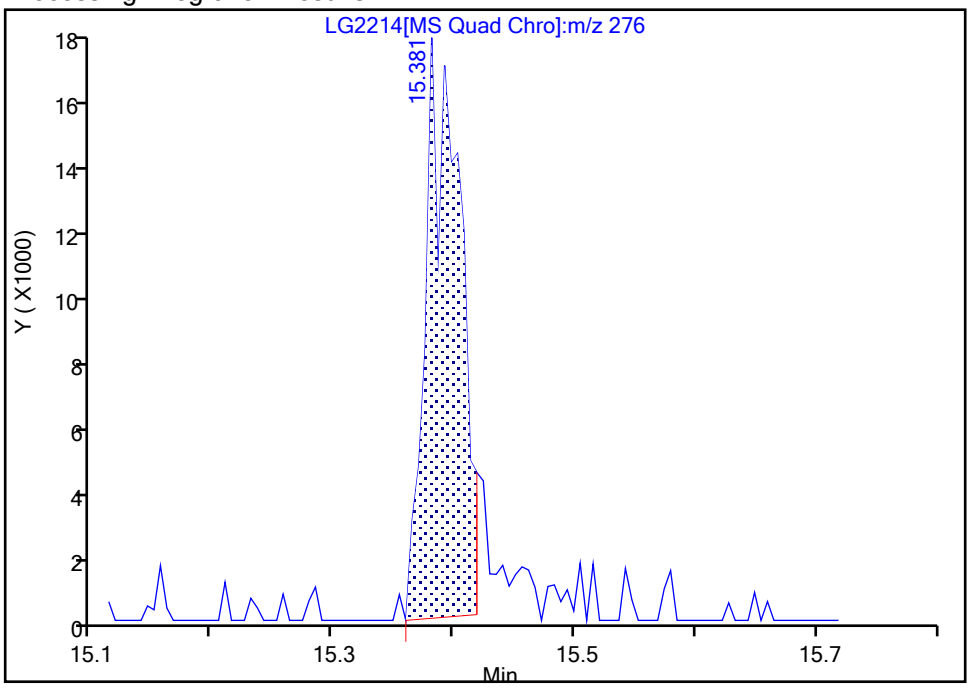
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2214.D				
Injection Date:	22-Jul-2022 15:01:53	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

165 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

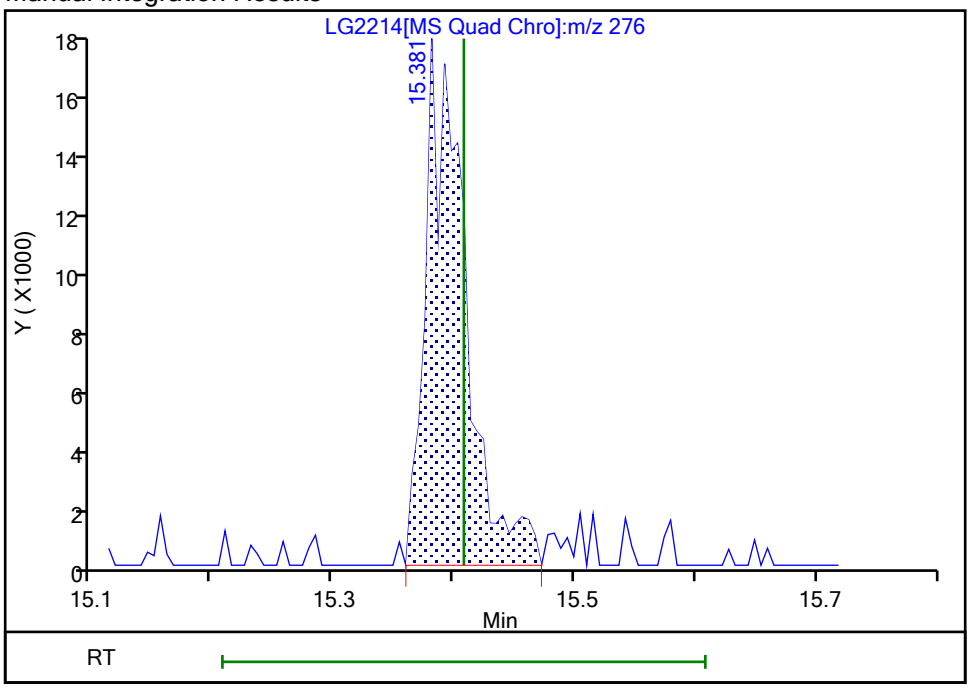
Processing Integration Results

RT: 15.38
Area: 33119
Amount: 0.191883
Amount Units: ug/ml



Manual Integration Results

RT: 15.38
Area: 38845
Amount: 0.221335
Amount Units: ug/ml



Reviewer: bauera, 22-Jul-2022 15:36:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2215.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 22-Jul-2022 15:23:18 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Operator ID: apb10206 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub40

Method: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Jul-2022 18:05:30 Calib Date: 22-Jul-2022 16:27:33
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: P7EB Date: 24-Jul-2022 13:07:59

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.833	1.838	-0.005	93	370597	20.0	18.5	
	2 N-Nitrosodimethylamine	74	2.063	2.063	0.000	95	665227	20.0	22.0	
	3 Pyridine	79	2.101	2.106	-0.005	97	2087191	40.0	41.4	
	4 Dimethylformamide	73	2.390	2.389	0.001	92	735988	20.0	21.2	
	5 2-Picoline	93	2.705	2.710	-0.005	93	1011022	20.0	20.8	
	6 N-Nitrosomethylethylamine	88	2.796	2.796	0.000	95	423874	20.0	18.6	
	9 Methyl methanesulfonate	80	3.069	3.063	0.006	86	623429	20.0	20.6	
$	10 2-Fluorophenol	112	3.224	3.218	0.006	94	1728873	40.0	42.8	
	11 N-Nitrosodiethylamine	102	3.449	3.448	0.001	94	412522	20.0	21.0	
	13 Ethyl methanesulfonate	109	3.732	3.732	0.000	97	450757	20.0	20.6	
	15 Benzaldehyde	77	4.069	4.064	0.005	92	946987	20.0	21.5	
$	16 Phenol-d5	99	4.106	4.101	0.005	97	2319604	40.0	42.5	
	17 Phenol	94	4.117	4.117	0.000	99	1246343	20.0	21.6	
	18 Aniline	93	4.165	4.160	0.005	96	1499635	20.0	21.3	
	19 Bis(2-chloroethyl)ether	93	4.224	4.224	0.000	94	958494	20.0	20.4	
	20 2-Chlorophenol	128	4.278	4.272	0.006	96	830366	20.0	21.0	
	22 1,3-Dichlorobenzene	146	4.427	4.427	0.000	96	975224	20.0	21.5	
*	24 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	95	143490	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.497	4.497	0.000	90	963981	20.0	20.7	
	27 Benzyl alcohol	108	4.604	4.604	0.000	89	625112	20.0	21.5	
	29 1,2-Dichlorobenzene	146	4.641	4.641	0.000	93	926085	20.0	21.0	
	31 2-Methylphenol	108	4.706	4.700	0.006	97	840278	20.0	21.9	
	32 2,2'-oxybis[1-chloropropane]	45	4.738	4.737	0.001	91	1116532	20.0	20.6	
	34 N-Nitrosopyrrolidine	100	4.839	4.839	0.000	88	483041	20.0	20.5	
	36 4-Methylphenol	108	4.855	4.850	0.005	93	909258	20.0	21.1	
	37 N-Nitrosodi-n-propylamine	70	4.866	4.860	0.006	78	867652	20.0	21.7	
	35 Acetophenone	105	4.861	4.860	0.001	90	1376283	20.0	20.7	
	38 N-Nitrosomorpholine	56	4.882	4.877	0.006	90	592413	20.0	20.8	
	39 2-Toluidine	106	4.898	4.893	0.005	95	1473121	20.0	20.8	
	23 alpha,alpha-Dimethyl phenethylam	58		4.967				ND	ND	U
	40 Hexachloroethane	117	4.968	4.967	0.001	91	401116	20.0	20.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	5.010	5.005	0.005	88	2426332	40.0	41.7	
42 Nitrobenzene	77	5.026	5.026	0.000	86	1201814	20.0	19.4	
44 N-Nitrosopiperidine	114	5.171	5.171	0.000	85	448344	20.0	20.8	
46 Isophorone	82	5.251	5.251	0.000	99	2154913	20.0	20.5	
47 2-Nitrophenol	139	5.331	5.326	0.005	97	392293	20.0	21.4	
48 2,4-Dimethylphenol	107	5.363	5.363	0.000	98	991379	20.0	20.6	
49 o,o',o''-Triethylphosphorothioat	198	5.438	5.433	0.005	81	506868	20.0	20.3	
51 Bis(2-chloroethoxy)methane	93	5.465	5.460	0.005	98	1235639	20.0	20.2	
52 2,4-Dichlorophenol	162	5.556	5.550	0.006	96	788433	20.0	20.5	
54 1,2,4-Trichlorobenzene	180	5.642	5.636	0.006	93	938276	20.0	20.3	
* 55 Naphthalene-d8	136	5.695	5.695	0.000	99	553874	5.00	5.00	a
56 Naphthalene	128	5.716	5.716	0.000	99	2533606	20.0	20.0	
26 Alpha-Terpineol	59	5.727	5.722	0.005	93	882264	20.0	20.3	a
57 4-Chloroaniline	127	5.765	5.764	0.001	93	1139828	20.0	20.6	
58 2,6-Dichlorophenol	162	5.770	5.770	0.000	95	834804	20.0	21.1	
59 Hexachloropropene	213	5.802	5.796	0.006	88	667657	20.0	20.5	
60 Hexachlorobutadiene	225	5.834	5.834	0.000	95	606304	20.0	20.1	
62 Quinoline	129	6.032	6.032	0.000	94	1568695	20.0	20.4	
64 Caprolactam	113	6.085	6.080	0.005	72	307192	20.0	21.6	
65 N-Nitrosodi-n-butylamine	84	6.091	6.085	0.006	89	1017708	20.0	22.3	
33 p-Phenylene diamine	108	6.102	6.101	0.001	93	1231514	20.0	21.1	
66 4-Chloro-3-methylphenol	107	6.225	6.219	0.006	95	840724	20.0	21.2	
67 Safrole, Total	162	6.294	6.294	0.000	87	692646	20.0	20.1	
69 2-Methylnaphthalene	142	6.374	6.374	0.000	90	1698527	20.0	20.2	
70 1-Methylnaphthalene	142	6.465	6.465	0.000	93	1665447	20.0	20.8	
71 Hexachlorocyclopentadiene	237	6.524	6.524	0.000	94	757395	20.0	21.1	
72 1,2,4,5-Tetrachlorobenzene	216	6.529	6.529	0.000	96	1162061	20.0	21.0	
73 Isosafrole Peak 1	162	6.572	6.572	0.000	85	116795	3.20	2.91	
74 2,4,6-Trichlorophenol	196	6.636	6.636	0.000	93	681398	20.0	20.9	
75 2,4,5-Trichlorophenol	196	6.668	6.668	0.000	94	790472	20.0	22.3	
$ 76 2-Fluorobiphenyl (Surr)	172	6.727	6.722	0.005	99	4769371	40.0	43.1	
77 Isosafrole Peak 2	162	6.786	6.786	0.000	90	734391	16.8	16.9	
79 1,1'-Biphenyl	154	6.818	6.818	0.000	95	2324788	20.0	21.1	
80 2-Chloronaphthalene	162	6.834	6.834	0.000	96	1782878	20.0	20.3	
81 1-Chloronaphthalene	162	6.856	6.856	0.000	99	1782120	20.0	21.4	
82 Phenyl ether	170	6.920	6.920	0.000	90	1268861	20.0	20.8	
83 2-Nitroaniline	138	6.931	6.930	0.001	76	559101	20.0	22.1	
84 1,4-Naphthoquinone	158	7.005	7.005	0.000	84	729565	20.0	21.3	
85 1,4-Dinitrobenzene	168	7.064	7.064	0.000	87	254057	20.0	21.7	
86 Dimethyl phthalate	163	7.107	7.107	0.000	98	2215782	20.0	20.9	
87 1,3-Dinitrobenzene	168	7.134	7.134	0.000	86	325854	20.0	22.5	
88 2,6-Dinitrotoluene	165	7.161	7.160	0.001	90	463920	20.0	21.3	
90 Acenaphthylene	152	7.230	7.230	0.000	98	2782043	20.0	20.7	
91 3-Nitroaniline	138	7.316	7.315	0.001	88	478823	20.0	21.8	
* 92 Acenaphthene-d10	164	7.364	7.364	0.000	96	361467	5.00	5.00	
93 Acenaphthene	153	7.391	7.390	0.001	97	1897437	20.0	20.2	
94 2,4-Dinitrophenol	184	7.417	7.417	0.000	85	420430	40.0	38.3	
96 4-Nitrophenol	109	7.471	7.471	0.000	92	691454	40.0	42.5	
98 Pentachlorobenzene	250	7.514	7.513	0.001	97	910040	20.0	19.8	
99 2,4-Dinitrotoluene	165	7.540	7.540	0.000	91	648412	20.0	22.2	
100 Dibenzofuran	168	7.556	7.556	0.000	97	2766594	20.0	20.9	
101 1-Naphthylamine	143	7.631	7.631	0.000	98	1852100	20.0	20.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.669	7.669	0.001	71	675009	20.0	21.8	a
103 2-Naphthylamine	143	7.706	7.706	0.000	96	1948345	20.0	21.4	
104 Diethyl phthalate	149	7.781	7.781	0.000	97	2159823	20.0	21.0	
106 Thionazin	107	7.856	7.856	0.000	79	347569	20.0	22.2	
105 Fluorene	166	7.883	7.882	0.001	92	2288528	20.0	20.8	
108 4-Chlorophenyl phenyl ether	204	7.888	7.888	0.000	89	1256484	20.0	20.9	
107 N-Nitro-o-toluidine	152	7.893	7.888	0.005	90	593981	20.0	20.9	
109 4-Nitroaniline	138	7.899	7.893	0.006	78	563680	20.0	21.2	
110 4,6-Dinitro-2-methylphenol	198	7.925	7.925	0.000	85	601687	40.0	38.3	
111 N-Nitrosodiphenylamine	169	7.995	7.995	0.000	99	1631099	17.0	17.8	
112 1,2-Diphenylhydrazine	77	8.032	8.038	-0.006	98	2762318	20.0	20.7	a
$ 113 2,4,6-Tribromophenol	330	8.107	8.107	0.000	95	774514	40.0	44.2	
114 Sulfotepp	97	8.150	8.155	-0.005	77	415327	20.0	20.4	
175 1,3,5-Trinitrobenzene	213	8.241	8.241	0.000	83	223760	20.0	22.2	
115 cis-Diallate	86	8.273	8.273	0.000	74	710392	14.8	14.6	
116 Phorate	75	8.278	8.284	-0.006	95	1575180	20.0	21.2	
117 Phenacetin	108	8.289	8.289	0.000	90	1179134	20.0	21.7	
118 4-Bromophenyl phenyl ether	248	8.348	8.348	0.000	67	728340	20.0	20.5	
119 trans-Diallate	86	8.359	8.358	0.001	94	239075	5.20	5.02	
120 Hexachlorobenzene	284	8.396	8.396	0.000	95	797013	20.0	20.1	
121 Dimethoate	87	8.439	8.439	0.000	96	902735	20.0	21.3	a
122 Atrazine	200	8.508	8.508	0.000	94	816382	20.0	22.3	
123 Pentachlorophenol	266	8.583	8.583	0.000	92	1026035	40.0	44.8	
124 4-Aminobiphenyl	169	8.594	8.594	0.000	94	2756599	20.0	21.0	
125 Pentachloronitrobenzene	237	8.594	8.594	0.000	53	378866	20.0	20.3	
126 Pronamide	173	8.653	8.653	0.000	90	1136389	20.0	20.9	
128 Dinoseb	211	8.765	8.765	0.000	97	447963	20.0	19.6	
* 127 Phenanthrene-d10	188	8.770	8.770	0.000	97	769837	5.00	5.00	
68 Disulfoton	88	8.776	8.781	-0.005	96	1580067	20.0	20.6	
129 Phenanthrene	178	8.792	8.792	0.000	97	3560087	20.0	20.6	
130 Anthracene	178	8.840	8.840	0.000	98	3658950	20.0	20.9	
S 53 Dinitrotoluene	165				0			43.5	
131 Carbazole	167	8.995	8.995	0.000	96	3190511	20.0	20.6	
132 Methyl parathion	109	9.129	9.129	0.000	93	691667	20.0	22.0	
133 Di-n-butyl phthalate	149	9.337	9.337	0.000	100	3840400	20.0	22.3	
134 Ethyl Parathion	109	9.503	9.503	0.000	84	446834	20.0	21.8	
135 4-Nitroquinoline-1-oxide	190	9.525	9.524	0.001	89	303691	20.0	19.6	
S 63 Diallate	86				0		20.0	19.6	
136 Octachlorostyrene	308	9.739	9.738	0.001	92	303979	20.0	19.1	
137 Isodrin	193	9.781	9.781	0.000	93	444684	20.0	19.9	
138 Fluoranthene	202	9.920	9.920	0.000	98	4318030	20.0	21.3	
139 Benzidine	184	10.059	10.059	0.000	98	7832457	60.0	60.5	
* 140 Pyrene-d10 (IS)	212	10.118	10.118	0.000	96	872534	5.00	5.00	
141 Pyrene	202	10.134	10.140	-0.006	97	4516302	20.0	20.7	
$ 142 p-Terphenyl-d14	244	10.295	10.300	-0.005	99	7148518	40.0	43.5	
143 p-Dimethylamino azobenzene	225	10.439	10.439	0.000	91	797177	20.0	21.4	
144 Chlorobenzilate	139	10.487	10.487	0.000	93	1136283	20.0	22.1	
145 3,3'-Dimethylbenzidine	212	10.787	10.787	0.000	98	2777259	20.0	20.7	
146 Butyl benzyl phthalate	149	10.808	10.814	-0.006	96	1711793	20.0	22.7	
147 2-Acetylaminofluorene	181	11.054	11.060	-0.006	91	1498078	20.0	20.7	
148 3,3'-Dichlorobenzidine	252	11.391	11.397	-0.005	76	1718091	20.0	21.7	
150 4,4'-Methylene bis(2-chloroani	231	11.402	11.407	-0.005	96	940643	20.0	22.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.413	11.413	0.000	98	4575045	20.0	21.7	
151 Chrysene	228	11.455	11.455	0.000	96	4299593	20.0	20.7	
152 Bis(2-ethylhexyl) phthalate	149	11.488	11.493	-0.005	97	2455975	20.0	22.2	
153 6-Methylchrysene	242	12.022	12.022	0.000	97	2907389	20.0	21.8	
154 Di-n-octyl phthalate	149	12.349	12.354	-0.005	99	3937630	20.0	19.7	
156 7,12-Dimethylbenz(a)anthracene	256	12.814	12.814	0.000	74	1840597	20.0	22.0	
155 Benzo[b]fluoranthene	252	12.814	12.814	0.000	96	4348729	20.0	21.9	
157 Benzo[k]fluoranthene	252	12.851	12.851	0.000	97	4352739	20.0	21.0	
158 Benzo[a]pyrene	252	13.269	13.269	0.000	76	3554358	20.0	21.6	
* 159 Perylene-d12	264	13.349	13.349	0.000	98	720804	5.00	5.00	
160 3-Methylcholanthrene	268	13.787	13.787	0.000	90	1962090	20.0	22.4	
161 Dibenz[a,h]acridine	279	14.600	14.600	0.000	90	2667489	20.0	21.5	a
162 Dibenz[a,j]acridine	279	14.681	14.681	0.000	96	3172479	20.0	22.0	a
163 Indeno[1,2,3-cd]pyrene	276	14.959	14.959	0.000	98	3077841	20.0	21.8	
164 Dibenz(a,h)anthracene	278	15.007	15.007	0.000	93	3483087	20.0	22.1	
165 Benzo[g,h,i]perylene	276	15.408	15.408	0.000	97	3584715	20.0	21.6	
S 166 Isosafrole	162				0		20.0	19.8	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_7_00024 Amount Added: 1.00 Units: mL

Report Date: 25-Jul-2022 18:05:32 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2215.D

Injection Date: 22-Jul-2022 15:23:18 Instrument ID: HP20296 Operator ID: apb10206

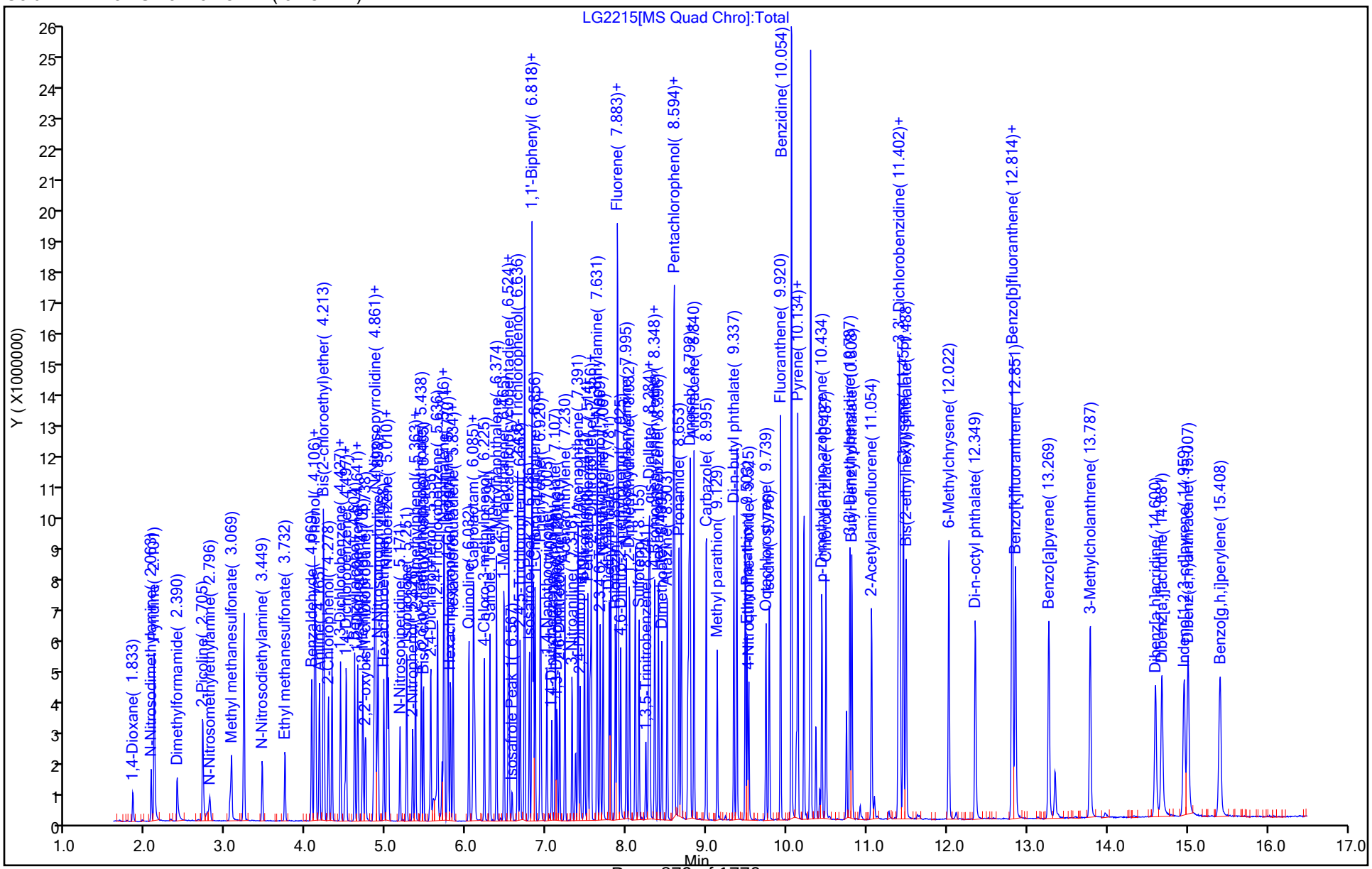
Lims ID: IC L7 Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

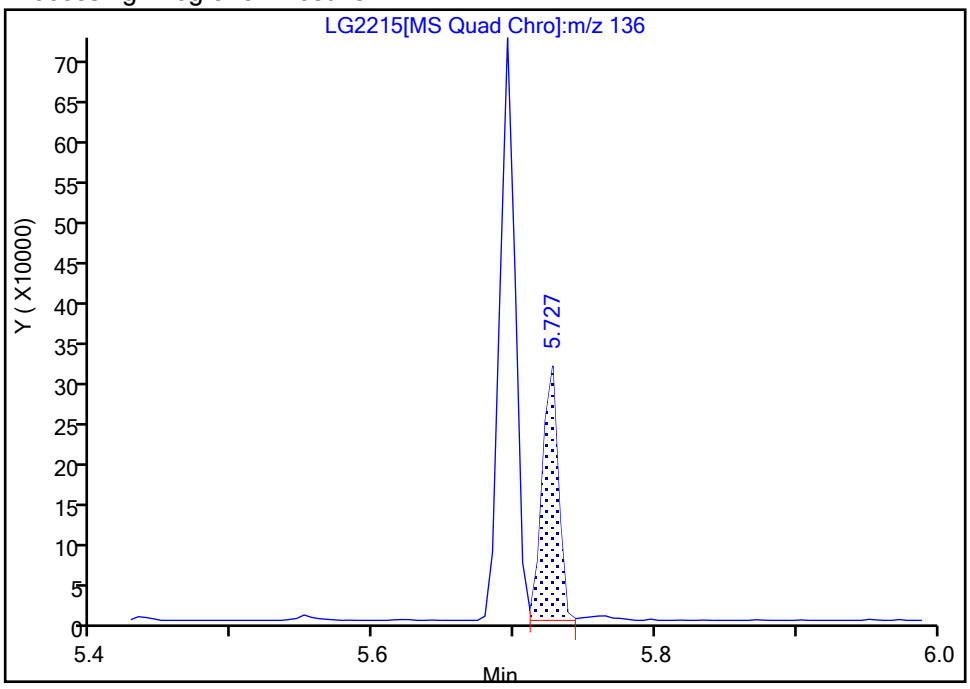
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2215.D				
Injection Date:	22-Jul-2022 15:23:18	Instrument ID:	HP20296		
Lims ID:	IC L7				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

* 55 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

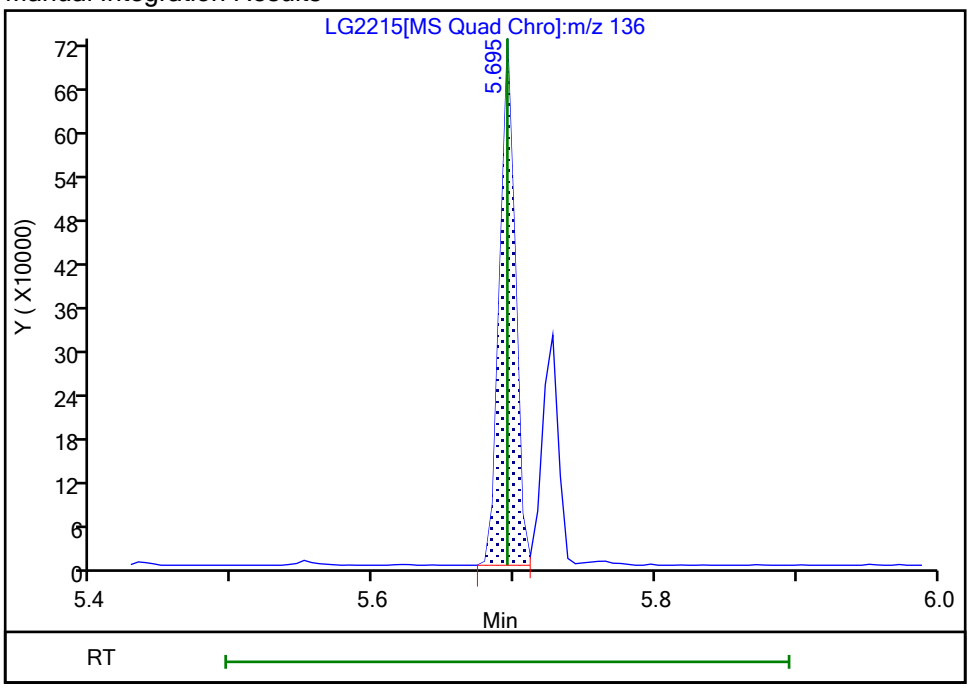
Processing Integration Results

RT: 5.73
Area: 248484
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.70
Area: 553874
Amount: 5.000000
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:07:07

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

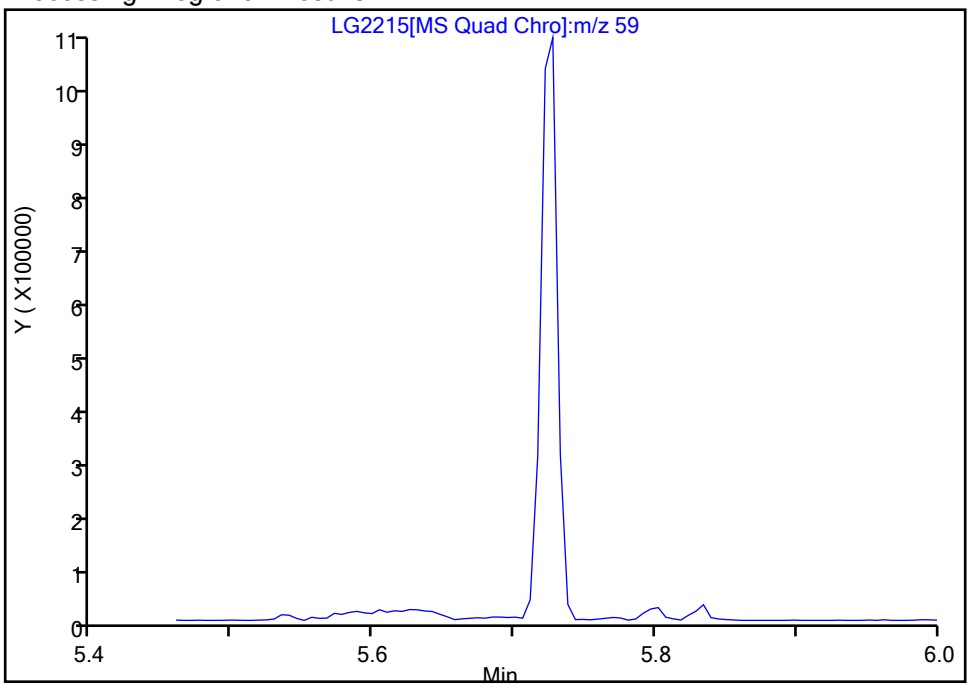
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2215.D				
Injection Date:	22-Jul-2022 15:23:18	Instrument ID:	HP20296		
Lims ID:	IC L7				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

26 Alpha-Terpineol, CAS: 98-55-5

Signal: 1

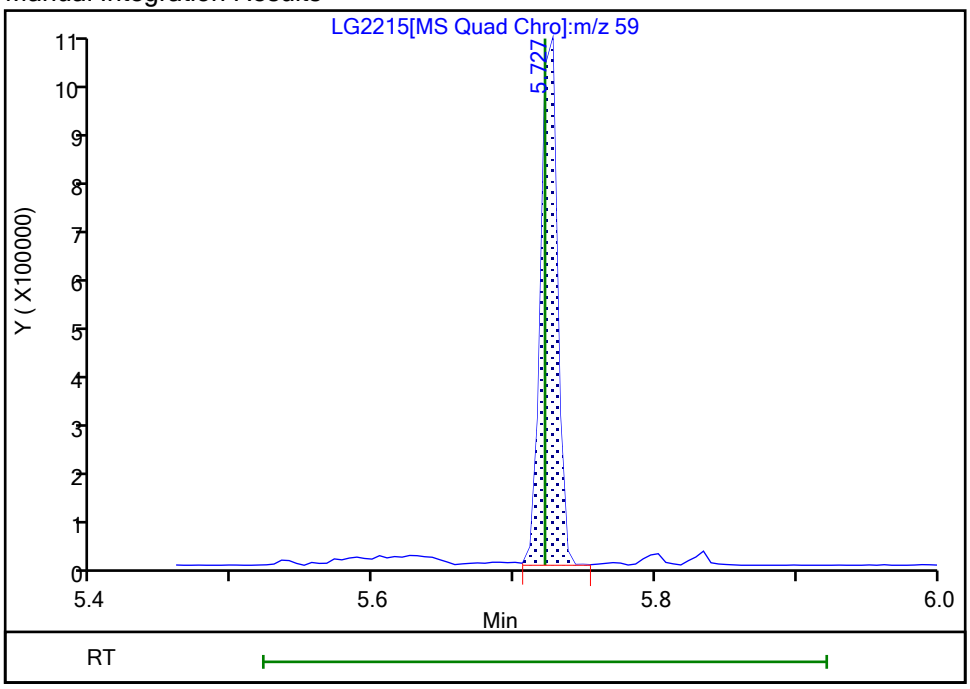
Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results

RT: 5.73
Area: 882264
Amount: 20.273026
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:07:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

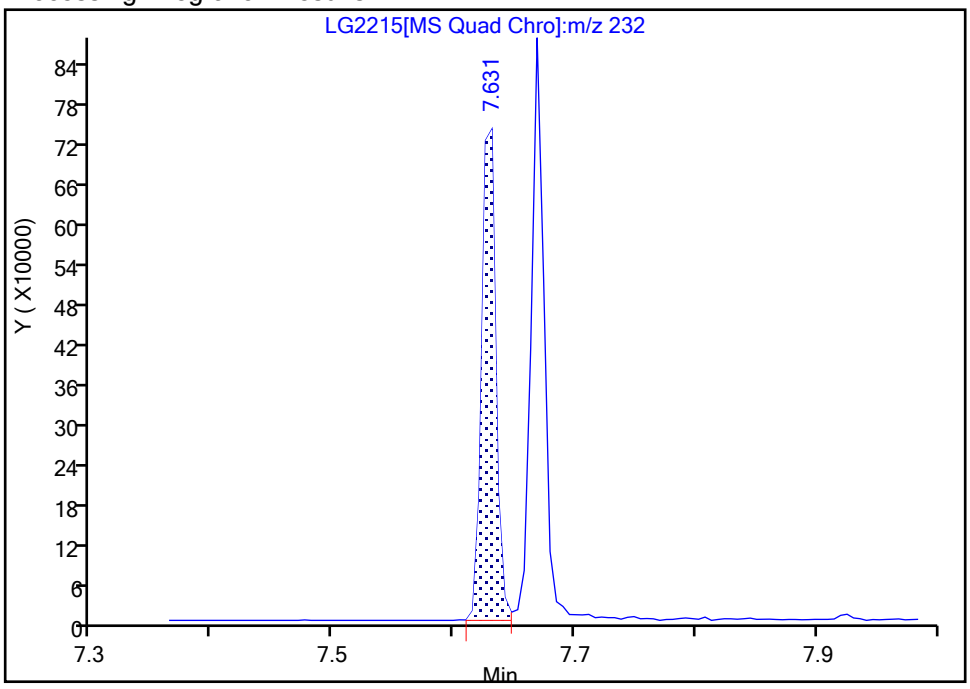
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2215.D				
Injection Date:	22-Jul-2022 15:23:18	Instrument ID:	HP20296		
Lims ID:	IC L7				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

102 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

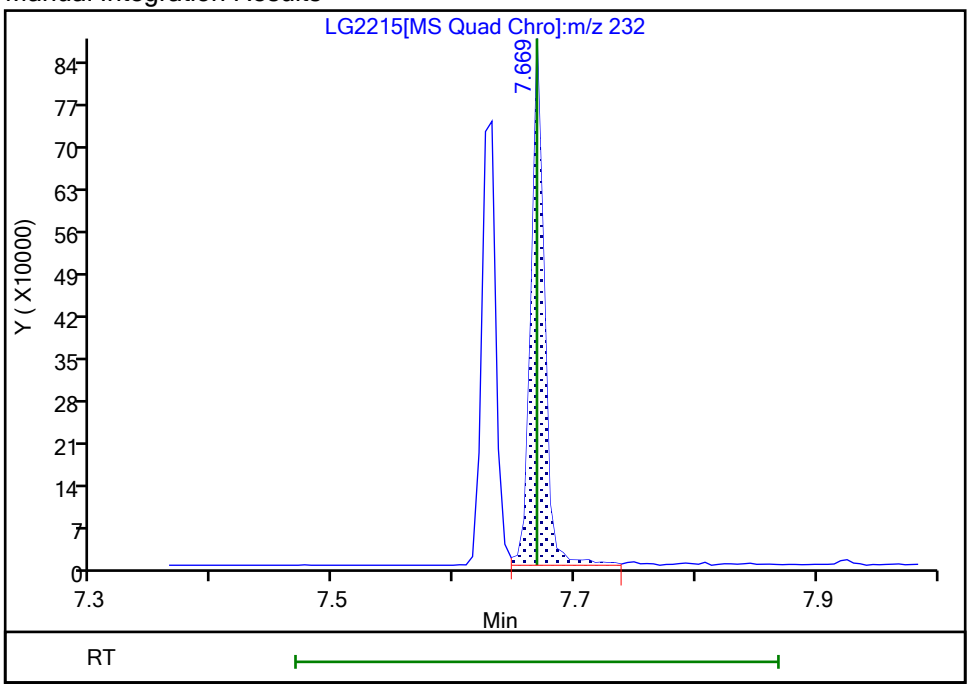
Processing Integration Results

RT: 7.63
Area: 608486
Amount: 20.233348
Amount Units: ug/ml



Manual Integration Results

RT: 7.67
Area: 675009
Amount: 21.802084
Amount Units: ug/ml



Reviewer: P7EB, 25-Jul-2022 14:45:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

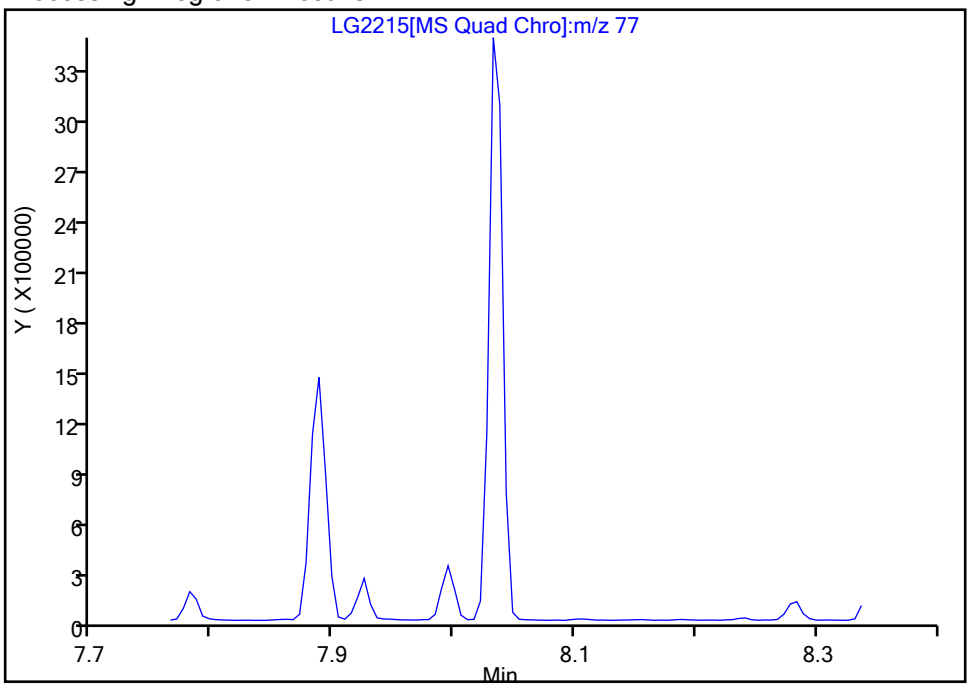
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2215.D				
Injection Date:	22-Jul-2022 15:23:18	Instrument ID:	HP20296		
Lims ID:	IC L7				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

112 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

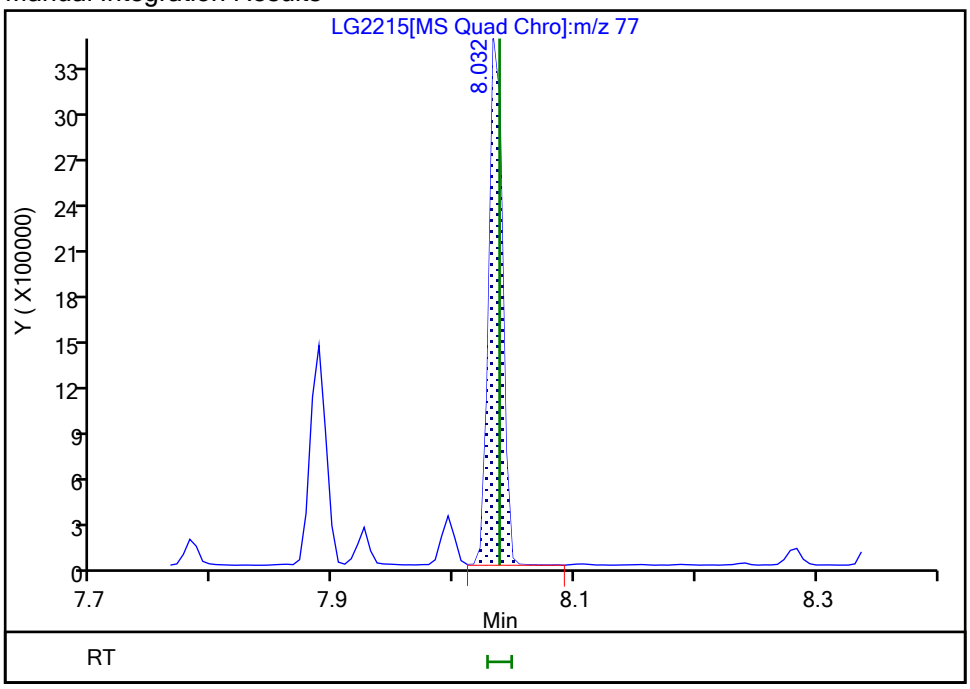
Not Detected
Expected RT: 8.04

Processing Integration Results



Manual Integration Results

RT: 8.03
Area: 2762318
Amount: 20.667455
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:07:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

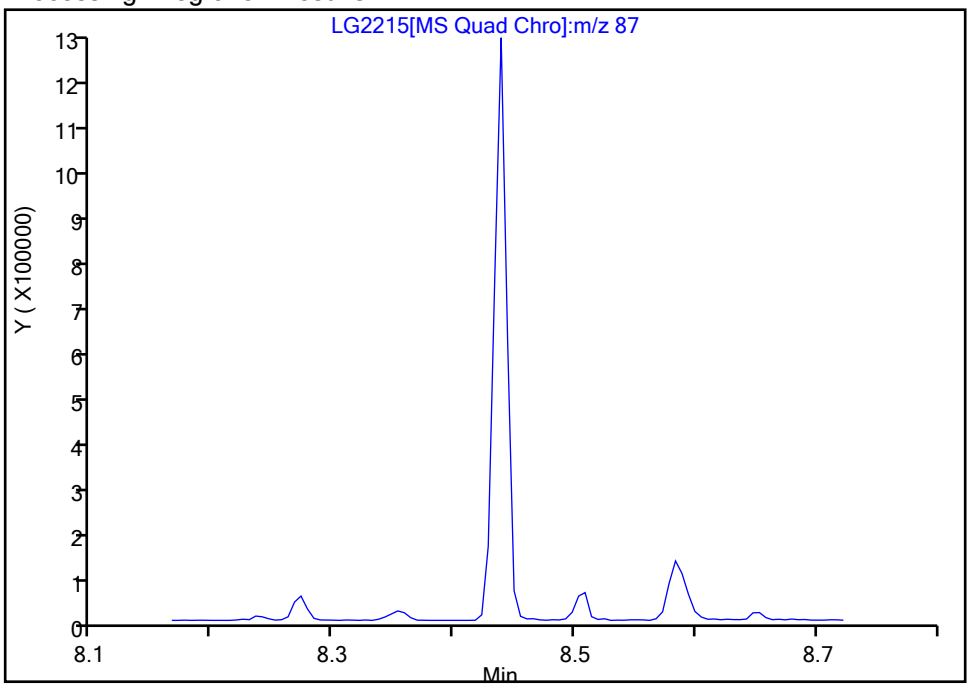
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2215.D				
Injection Date:	22-Jul-2022 15:23:18	Instrument ID:	HP20296		
Lims ID:	IC L7				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

121 Dimethoate, CAS: 60-51-5

Signal: 1

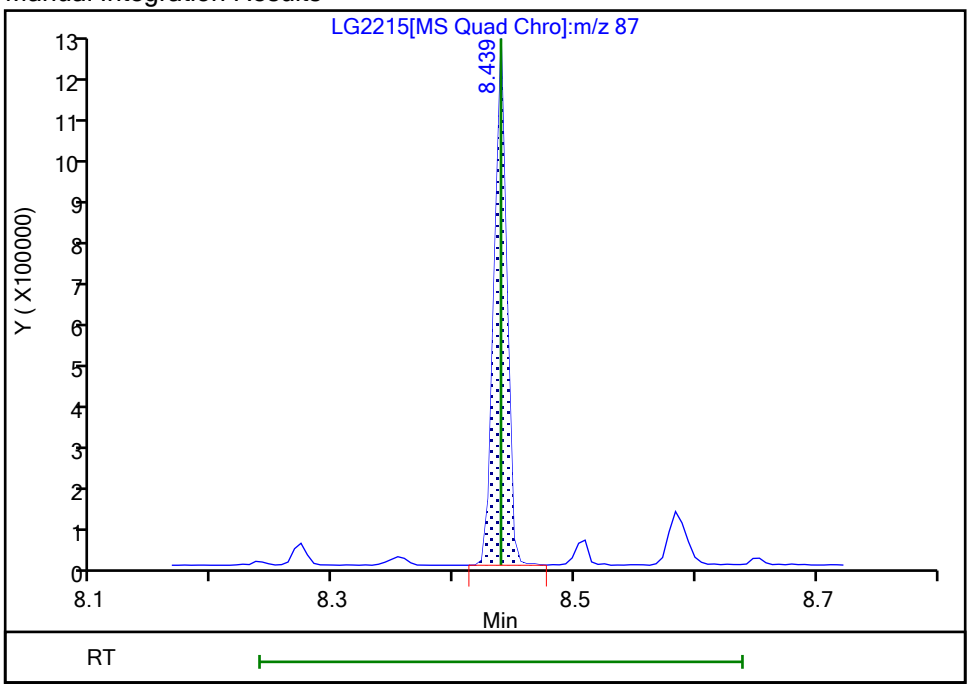
Not Detected
Expected RT: 8.44

Processing Integration Results



Manual Integration Results

RT: 8.44
Area: 902735
Amount: 21.334526
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:07:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

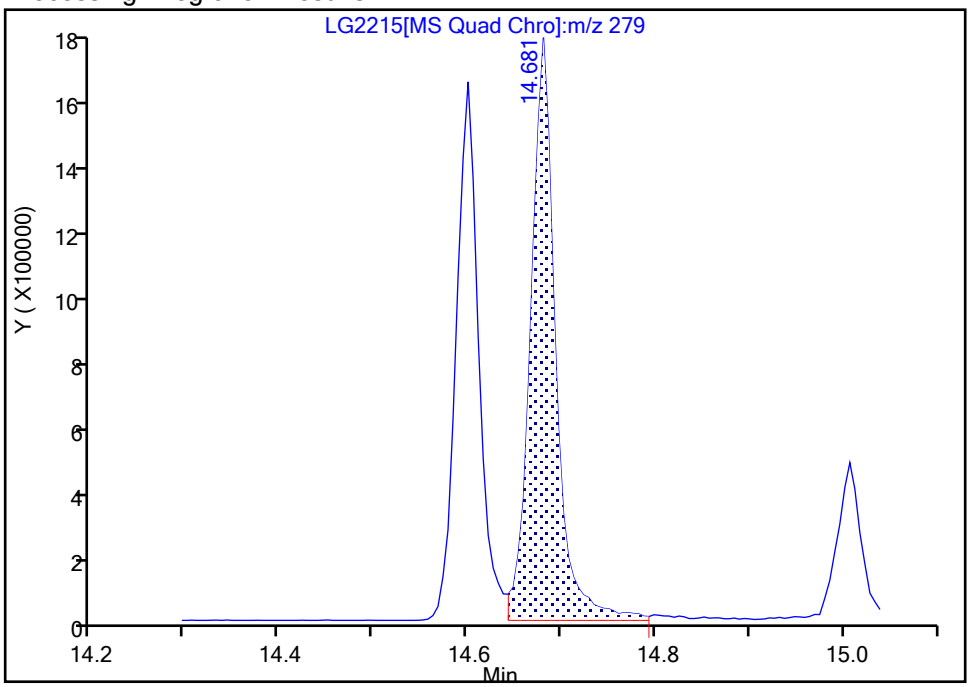
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2215.D
Injection Date: 22-Jul-2022 15:23:18 Instrument ID: HP20296
Lims ID: IC L7
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

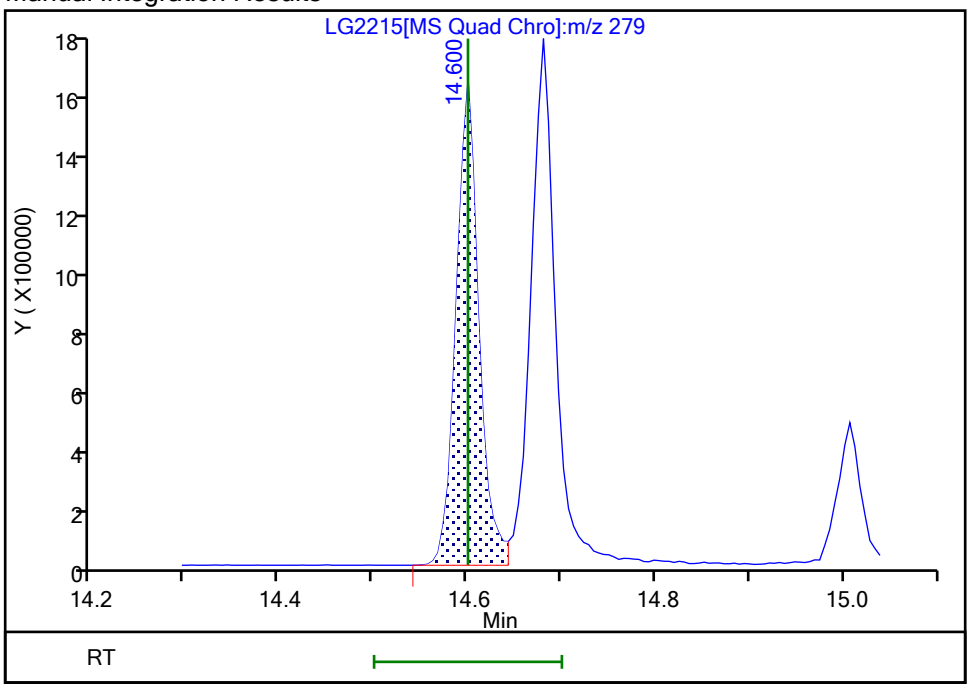
Processing Integration Results

RT: 14.68
Area: 3172479
Amount: 21.633994
Amount Units: ug/ml



Manual Integration Results

RT: 14.60
Area: 2667489
Amount: 21.465087
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:11:22
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

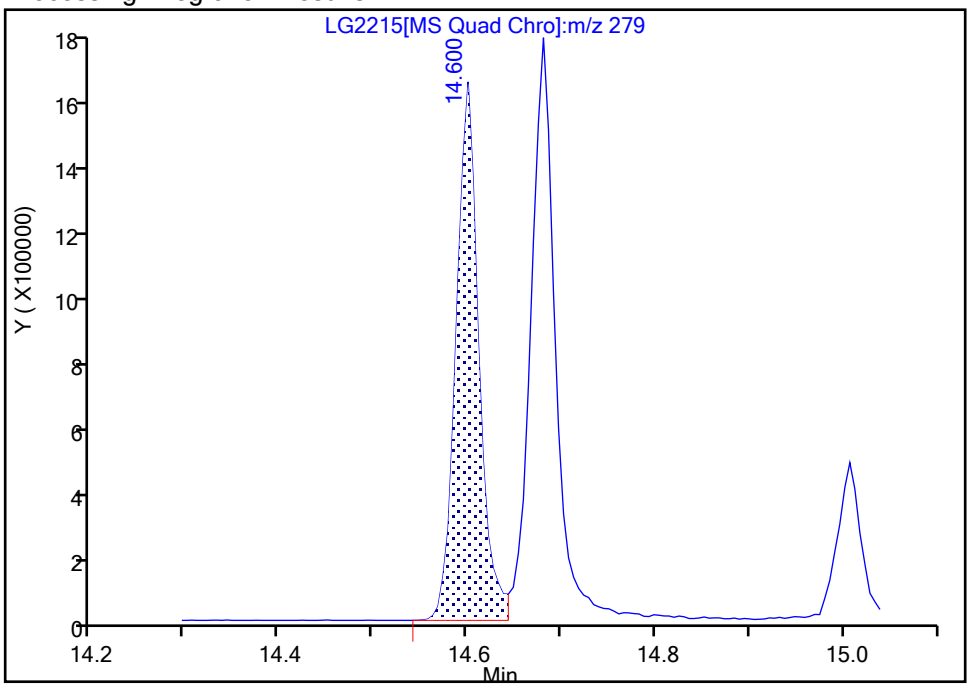
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2215.D				
Injection Date:	22-Jul-2022 15:23:18	Instrument ID:	HP20296		
Lims ID:	IC L7				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

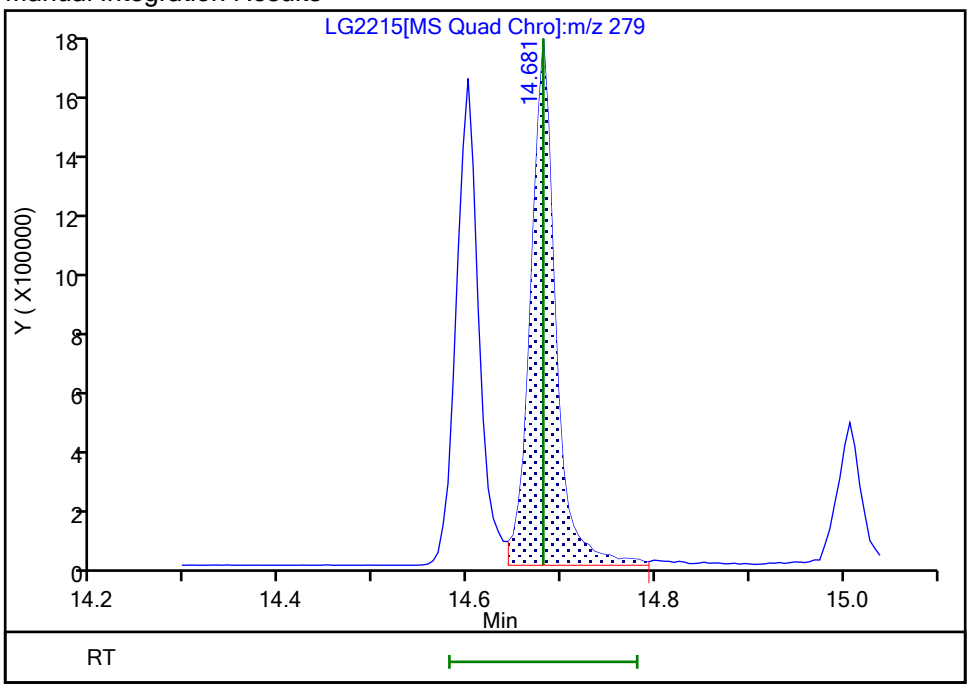
Processing Integration Results

RT: 14.60
Area: 2667489
Amount: 18.988470
Amount Units: ug/ml



Manual Integration Results

RT: 14.68
Area: 3172479
Amount: 21.959574
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:11:26

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2216.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Jul-2022 15:44:43 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Operator ID: apb10206 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub40

Method: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Jul-2022 18:05:37 Calib Date: 22-Jul-2022 16:27:33
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: P7EB Date: 24-Jul-2022 13:10:34

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.839	1.839	0.000	97	180746	7.50	7.02	
	2 N-Nitrosodimethylamine	74	2.069	2.069	0.000	94	309531	7.50	7.99	
	3 Pyridine	79	2.106	2.106	0.000	97	965703	15.0	14.9	
	4 Dimethylformamide	73	2.400	2.400	0.000	93	328029	7.50	7.37	
	5 2-Picoline	93	2.710	2.710	0.000	94	484542	7.50	7.78	
	6 N-Nitrosomethylethylamine	88	2.801	2.801	0.000	93	232954	7.50	7.96	
	9 Methyl methanesulfonate	80	3.069	3.069	0.000	87	289635	7.50	7.47	
$	10 2-Fluorophenol	112	3.219	3.219	0.000	95	797236	15.0	15.4	
	11 N-Nitrosodiethylamine	102	3.454	3.454	0.000	96	197288	7.50	7.82	
	13 Ethyl methanesulfonate	109	3.732	3.732	0.000	96	208837	7.50	7.43	
	15 Benzaldehyde	77	4.069	4.069	0.000	92	418409	7.50	7.40	
$	16 Phenol-d5	99	4.101	4.101	0.000	98	1073725	15.0	15.3	
	17 Phenol	94	4.117	4.117	0.000	98	552132	7.50	7.44	
	18 Aniline	93	4.165	4.165	0.000	98	675882	7.50	7.47	
	19 Bis(2-chloroethyl)ether	93	4.224	4.224	0.000	94	446619	7.50	7.41	
	20 2-Chlorophenol	128	4.278	4.278	0.000	96	387859	7.50	7.65	
	22 1,3-Dichlorobenzene	146	4.427	4.427	0.000	94	429517	7.50	7.39	
*	24 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	96	184124	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.497	4.497	0.000	91	447256	7.50	7.50	
	27 Benzyl alcohol	108	4.604	4.604	0.000	89	281332	7.50	7.55	
	29 1,2-Dichlorobenzene	146	4.641	4.641	0.000	94	418257	7.50	7.40	
	31 2-Methylphenol	108	4.705	4.705	0.000	97	372166	7.50	7.55	
	32 2,2'-oxybis[1-chloropropane]	45	4.738	4.738	0.000	91	524661	7.50	7.55	
	34 N-Nitrosopyrrolidine	100	4.839	4.839	0.000	92	233780	7.50	7.73	
	36 4-Methylphenol	108	4.850	4.850	0.000	95	404112	7.50	7.33	
	37 N-Nitrosodi-n-propylamine	70	4.861	4.861	0.000	75	373275	7.50	7.28	
	35 Acetophenone	105	4.861	4.861	0.000	91	648910	7.50	7.59	
	38 N-Nitrosomorpholine	56	4.877	4.877	0.000	89	266750	7.50	7.29	
	39 2-Toluidine	106	4.893	4.893	0.000	95	679257	7.50	7.46	
	23 alpha,alpha-Dimethyl phenethylam	58		4.967				ND	ND	U
	40 Hexachloroethane	117	4.968	4.968	0.000	89	182803	7.50	7.28	

Report Date: 25-Jul-2022 18:05:38 Chrom Revision: 2.3 19-Jul-2022 21:48:42
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2216.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	5.005	5.005	0.000	88	1100186	15.0	15.3	
42 Nitrobenzene	77	5.026	5.026	0.000	85	536103	7.50	6.99	
44 N-Nitrosopiperidine	114	5.171	5.171	0.000	83	201217	7.50	7.55	
46 Isophorone	82	5.251	5.251	0.000	99	992584	7.50	7.65	
47 2-Nitrophenol	139	5.326	5.326	0.000	97	178670	7.50	7.89	
48 2,4-Dimethylphenol	107	5.363	5.363	0.000	98	437887	7.50	7.36	
49 o,o',o''-Triethylphosphorothioat	198	5.433	5.433	0.000	85	238908	7.50	7.73	
51 Bis(2-chloroethoxy)methane	93	5.460	5.460	0.000	98	552095	7.50	7.31	
52 2,4-Dichlorophenol	162	5.551	5.551	0.000	95	358892	7.50	7.57	
54 1,2,4-Trichlorobenzene	180	5.636	5.636	0.000	92	433953	7.50	7.60	
* 55 Naphthalene-d8	136	5.695	5.695	0.000	99	684342	5.00	5.00	a
56 Naphthalene	128	5.716	5.716	0.000	99	1128828	7.50	7.21	
26 Alpha-Terpineol	59	5.722	5.722	0.000	92	392463	7.50	7.30	
57 4-Chloroaniline	127	5.765	5.765	0.000	94	516626	7.50	7.55	
58 2,6-Dichlorophenol	162	5.770	5.770	0.000	95	362667	7.50	7.41	
59 Hexachloropropene	213	5.802	5.802	0.000	87	327395	7.50	8.15	
60 Hexachlorobutadiene	225	5.834	5.834	0.000	94	286499	7.50	7.70	
62 Quinoline	129	6.032	6.032	0.000	95	751003	7.50	7.92	
64 Caprolactam	113	6.075	6.075	0.000	77	126495	7.50	7.19	
65 N-Nitrosodi-n-butylamine	84	6.085	6.085	0.000	89	477826	7.50	8.46	
33 p-Phenylene diamine	108	6.096	6.096	0.000	93	560480	7.50	7.77	
66 4-Chloro-3-methylphenol	107	6.219	6.219	0.000	94	387765	7.50	7.93	
67 Safrole, Total	162	6.294	6.294	0.000	89	313809	7.50	7.38	
69 2-Methylnaphthalene	142	6.374	6.374	0.000	91	758499	7.50	7.31	
70 1-Methylnaphthalene	142	6.465	6.465	0.000	91	727911	7.50	7.38	
71 Hexachlorocyclopentadiene	237	6.524	6.524	0.000	94	343796	7.50	8.03	
72 1,2,4,5-Tetrachlorobenzene	216	6.529	6.529	0.000	97	490188	7.50	7.41	
73 Isosafrole Peak 1	162	6.567	6.567	0.000	87	63427	1.20	1.33	
74 2,4,6-Trichlorophenol	196	6.636	6.636	0.000	85	291706	7.50	7.51	
75 2,4,5-Trichlorophenol	196	6.668	6.668	0.000	95	346442	7.50	8.20	
$ 76 2-Fluorobiphenyl (Surr)	172	6.722	6.722	0.000	99	2041743	15.0	15.5	
77 Isosafrole Peak 2	162	6.786	6.786	0.000	90	340797	6.30	6.56	
79 1,1'-Biphenyl	154	6.818	6.818	0.000	95	1008927	7.50	7.67	
80 2-Chloronaphthalene	162	6.834	6.834	0.000	97	823075	7.50	7.85	
81 1-Chloronaphthalene	162	6.856	6.856	0.000	98	777476	7.50	7.84	
82 Phenyl ether	170	6.920	6.920	0.000	90	564755	7.50	7.77	
83 2-Nitroaniline	138	6.931	6.931	0.000	75	240198	7.50	7.95	
84 1,4-Naphthoquinone	158	7.000	7.000	0.000	84	322611	7.50	7.88	
85 1,4-Dinitrobenzene	168	7.064	7.064	0.000	87	114128	7.50	8.15	
86 Dimethyl phthalate	163	7.107	7.107	0.000	98	990324	7.50	7.81	
87 1,3-Dinitrobenzene	168	7.128	7.128	0.000	85	143939	7.50	8.33	
88 2,6-Dinitrotoluene	165	7.161	7.161	0.000	91	207345	7.50	7.98	
90 Acenaphthylene	152	7.230	7.230	0.000	98	1213297	7.50	7.58	
91 3-Nitroaniline	138	7.316	7.316	0.000	89	203947	7.50	7.80	
* 92 Acenaphthene-d10	164	7.358	7.358	0.000	96	431490	5.00	5.00	
93 Acenaphthene	153	7.390	7.390	0.000	97	870414	7.50	7.76	
94 2,4-Dinitrophenol	184	7.417	7.417	0.000	86	185146	17.5	16.0	
96 4-Nitrophenol	109	7.471	7.471	0.000	93	306224	15.0	15.8	
98 Pentachlorobenzene	250	7.514	7.514	0.000	98	431774	7.50	7.88	
99 2,4-Dinitrotoluene	165	7.540	7.540	0.000	90	282070	7.50	8.08	
100 Dibenzofuran	168	7.556	7.556	0.000	97	1218736	7.50	7.72	
101 1-Naphthylamine	143	7.631	7.631	0.000	98	826167	7.50	7.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.669	7.669	0.000	71	295850	7.50	8.00	a
103 2-Naphthylamine	143	7.706	7.706	0.000	96	855356	7.50	7.89	
104 Diethyl phthalate	149	7.781	7.781	0.000	98	938048	7.50	7.65	
106 Thionazin	107	7.856	7.856	0.000	77	157658	7.50	8.44	
105 Fluorene	166	7.877	7.877	0.000	90	983913	7.50	7.48	
108 4-Chlorophenyl phenyl ether	204	7.888	7.888	0.000	89	561464	7.50	7.81	
107 N-Nitro-o-toluidine	152	7.888	7.888	0.000	79	272581	7.50	8.03	
109 4-Nitroaniline	138	7.893	7.893	0.000	79	252767	7.50	7.97	
110 4,6-Dinitro-2-methylphenol	198	7.920	7.920	0.000	86	249829	15.0	14.9	
111 N-Nitrosodiphenylamine	169	7.995	7.995	0.000	99	719249	6.38	6.67	
112 1,2-Diphenylhydrazine	77	8.032	8.032	0.000	98	1248647	7.50	7.95	a
$ 113 2,4,6-Tribromophenol	330	8.107	8.107	0.000	94	327660	15.0	15.6	
114 Sulfotepp	97	8.150	8.150	0.000	76	184325	7.50	7.69	
175 1,3,5-Trinitrobenzene	213	8.236	8.236	0.000	83	88709	7.50	7.48	
115 cis-Diallate	86	8.273	8.273	0.000	86	322826	5.55	5.63	
116 Phorate	75	8.278	8.278	0.000	95	719040	7.50	8.24	
117 Phenacetin	108	8.284	8.284	0.000	91	525457	7.50	8.23	
118 4-Bromophenyl phenyl ether	248	8.348	8.348	0.000	68	324991	7.50	7.78	
119 trans-Diallate	86	8.353	8.353	0.000	93	118096	1.95	2.11	
120 Hexachlorobenzene	284	8.396	8.396	0.000	94	350872	7.50	7.51	
121 Dimethoate	87	8.433	8.433	0.000	95	395578	7.50	7.95	a
122 Atrazine	200	8.503	8.503	0.000	92	327950	7.50	7.61	
123 Pentachlorophenol	266	8.583	8.583	0.000	93	425294	15.0	15.8	
124 4-Aminobiphenyl	169	8.589	8.589	0.000	91	1238885	7.50	8.04	
125 Pentachloronitrobenzene	237	8.594	8.594	0.000	84	169435	7.50	7.74	
126 Pronamide	173	8.647	8.647	0.000	90	516508	7.50	8.10	
128 Dinoseb	211	8.760	8.760	0.000	95	175754	7.50	7.16	
* 127 Phenanthrene-d10	188	8.765	8.765	0.000	98	904958	5.00	5.00	
68 Disulfoton	88	8.776	8.776	0.000	96	708965	7.50	7.84	
129 Phenanthrene	178	8.792	8.792	0.000	96	1578273	7.50	7.77	
130 Anthracene	178	8.840	8.840	0.000	98	1579579	7.50	7.66	
S 53 Dinitrotoluene	165				0			16.1	
131 Carbazole	167	8.990	8.990	0.000	96	1407205	7.50	7.72	
132 Methyl parathion	109	9.129	9.129	0.000	94	304583	7.50	8.22	
133 Di-n-butyl phthalate	149	9.337	9.337	0.000	100	1587740	7.50	7.86	
134 Ethyl Parathion	109	9.503	9.503	0.000	84	193219	7.50	8.00	
135 4-Nitroquinoline-1-oxide	190	9.525	9.525	0.000	78	112914	7.50	7.81	
S 63 Diallate	86				0		7.50	7.74	
136 Octachlorostyrene	308	9.739	9.739	0.000	89	142230	7.50	7.60	
137 Isodrin	193	9.776	9.776	0.000	92	197545	7.50	7.52	
138 Fluoranthene	202	9.920	9.920	0.000	98	1849813	7.50	7.78	
139 Benzidine	184	10.054	10.054	0.000	99	3881706	22.5	24.9	
* 140 Pyrene-d10 (IS)	212	10.118	10.118	0.000	96	1049962	5.00	5.00	
141 Pyrene	202	10.134	10.134	0.000	97	1974738	7.50	7.52	
$ 142 p-Terphenyl-d14	244	10.295	10.295	0.000	98	3096676	15.0	15.7	
143 p-Dimethylamino azobenzene	225	10.434	10.434	0.000	91	353054	7.50	7.88	
144 Chlorobenzilate	139	10.487	10.487	0.000	94	492283	7.50	7.94	
145 3,3'-Dimethylbenzidine	212	10.782	10.782	0.000	98	1286047	7.50	7.96	
146 Butyl benzyl phthalate	149	10.808	10.808	0.000	95	702695	7.50	7.75	
147 2-Acetylaminofluorene	181	11.054	11.054	0.000	93	645534	7.50	7.41	
148 3,3'-Dichlorobenzidine	252	11.386	11.386	0.000	73	740840	7.50	7.76	
150 4,4'-Methylene bis(2-chloroani	231	11.397	11.397	0.000	96	396998	7.50	7.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.407	11.407	0.000	97	1937351	7.50	7.63	
151 Chrysene	228	11.450	11.450	0.000	95	1854920	7.50	7.41	
152 Bis(2-ethylhexyl) phthalate	149	11.488	11.488	0.000	98	1005736	7.50	7.57	
S 89 Aramite, Total	185		11.583				7.50	ND	
153 6-Methylchrysene	242	12.017	12.017	0.000	96	1222859	7.50	7.60	
154 Di-n-octyl phthalate	149	12.349	12.349	0.000	99	1586106	7.50	7.06	
156 7,12-Dimethylbenz(a)anthracene	256	12.809	12.809	0.000	72	771627	7.50	7.65	
155 Benzo[b]fluoranthene	252	12.809	12.809	0.000	96	1881963	7.50	7.85	
157 Benzo[k]fluoranthene	252	12.846	12.846	0.000	97	1853833	7.50	7.41	
158 Benzo[a]pyrene	252	13.263	13.263	0.000	76	1500334	7.50	7.56	
* 159 Perylene-d12	264	13.344	13.344	0.000	98	869131	5.00	5.00	
160 3-Methylcholanthrene	268	13.782	13.782	0.000	89	824985	7.50	7.83	
161 Dibenz[a,h]acridine	279	14.595	14.595	0.000	89	1151467	7.50	7.68	a
162 Dibenz[a,j]acridine	279	14.675	14.675	0.000	95	1342591	7.50	7.71	a
163 Indeno[1,2,3-cd]pyrene	276	14.953	14.953	0.000	98	1296832	7.50	7.60	
164 Dibenz(a,h)anthracene	278	15.002	15.002	0.000	91	1478300	7.50	7.79	
165 Benzo[g,h,i]perylene	276	15.397	15.397	0.000	97	1523232	7.50	7.62	
S 166 Isosafrole	162				0		7.50	7.88	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_5_00031 Amount Added: 1.00 Units: mL

Report Date: 25-Jul-2022 18:05:39 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2216.D

Injection Date: 22-Jul-2022 15:44:43 Instrument ID: HP20296 Operator ID: apb10206

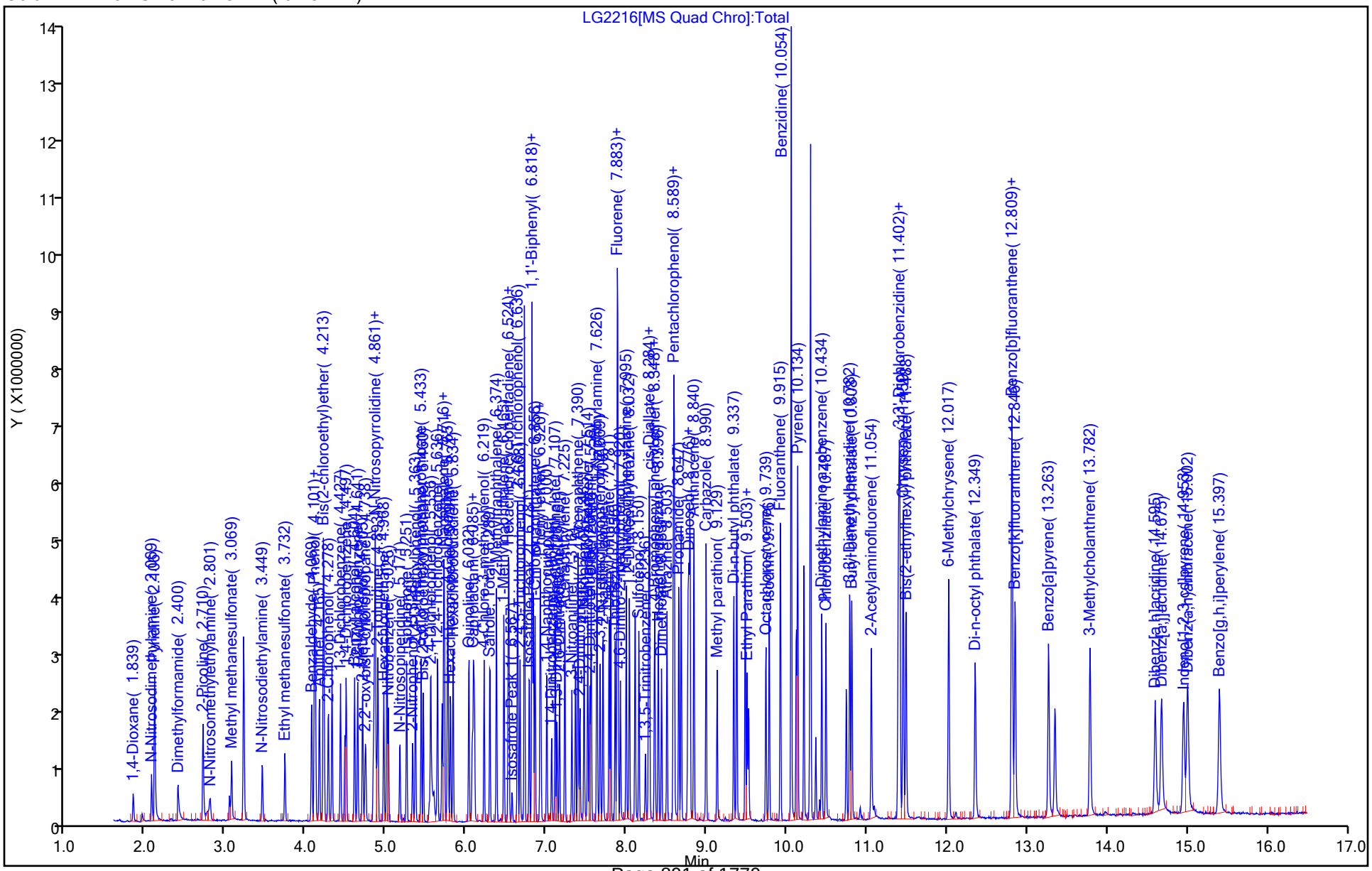
Lims ID: IC L5 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

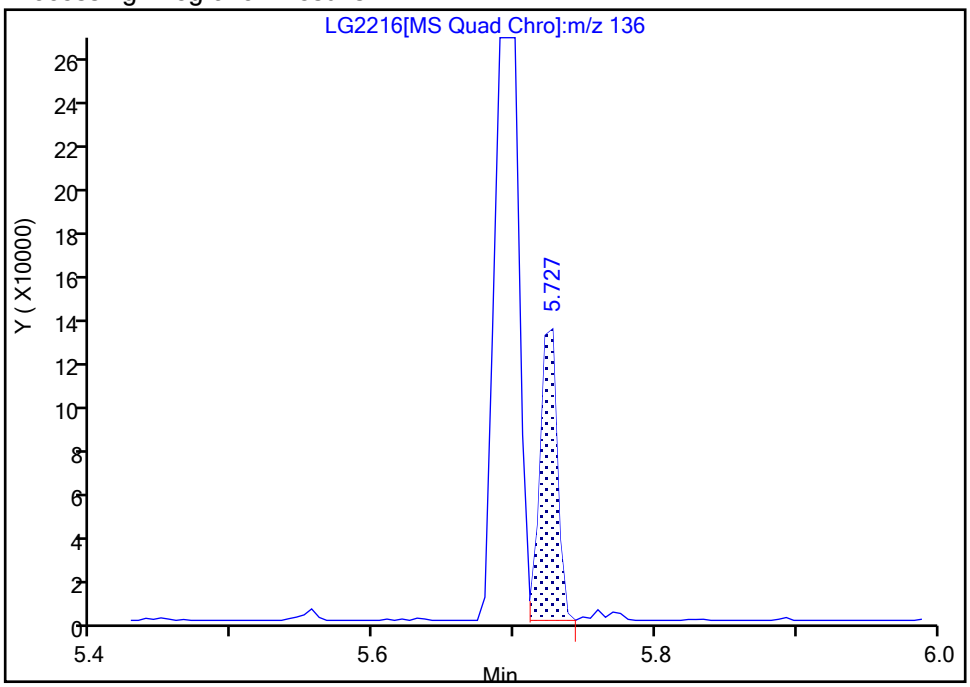
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2216.D
Injection Date: 22-Jul-2022 15:44:43 Instrument ID: HP20296
Lims ID: IC L5
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

* 55 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

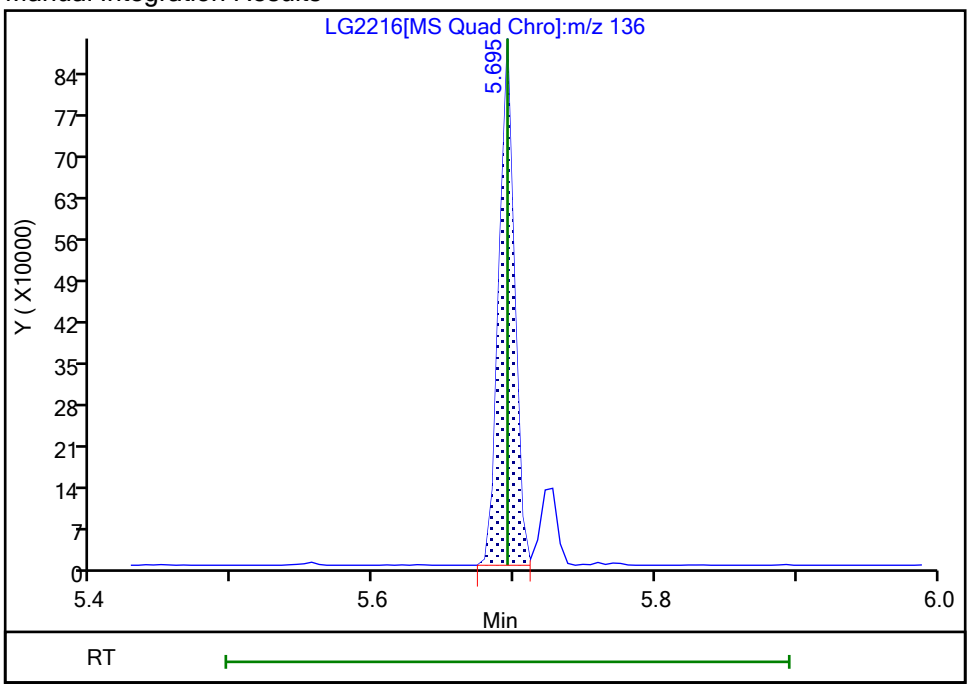
Processing Integration Results

RT: 5.73
Area: 111065
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.69
Area: 684342
Amount: 5.000000
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:09:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

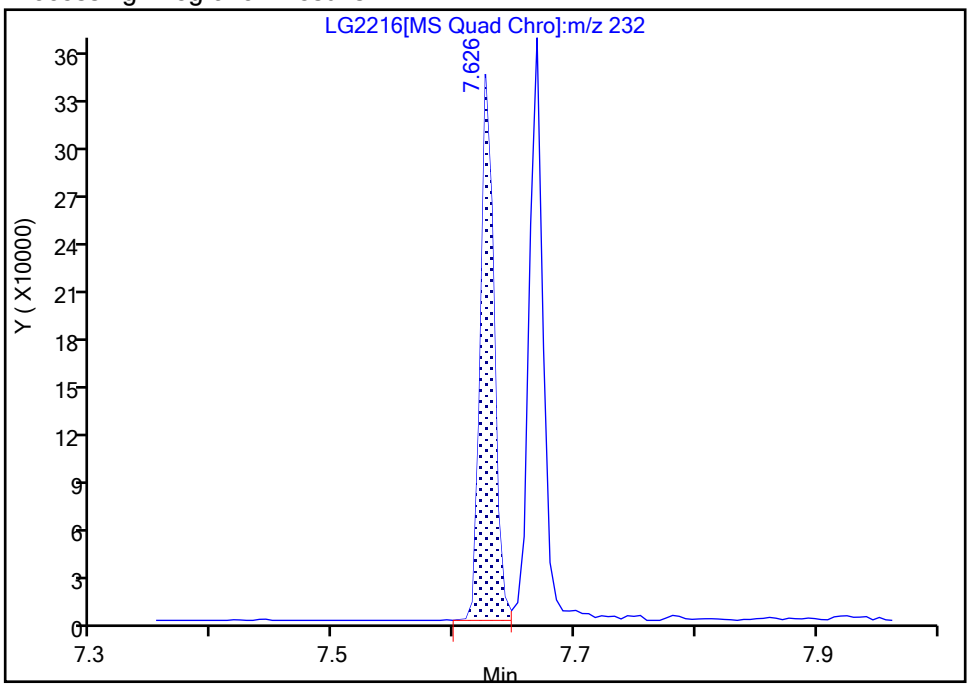
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2216.D				
Injection Date:	22-Jul-2022 15:44:43	Instrument ID:	HP20296		
Lims ID:	IC L5				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

102 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

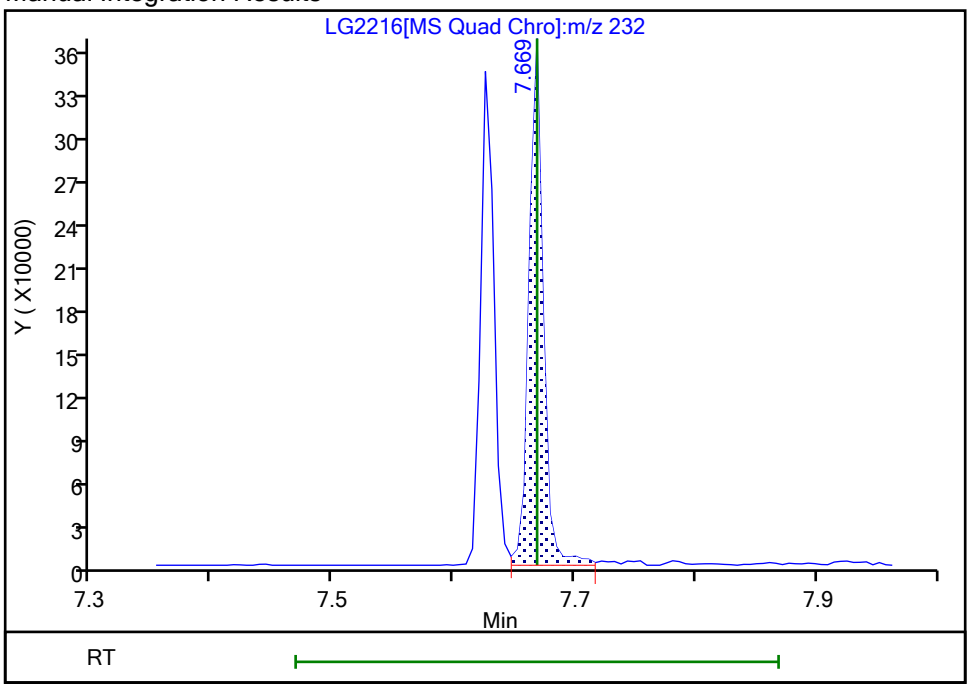
Processing Integration Results

RT: 7.63
Area: 265104
Amount: 7.283973
Amount Units: ug/ml



Manual Integration Results

RT: 7.67
Area: 295850
Amount: 8.004937
Amount Units: ug/ml



Reviewer: P7EB, 25-Jul-2022 14:46:12

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

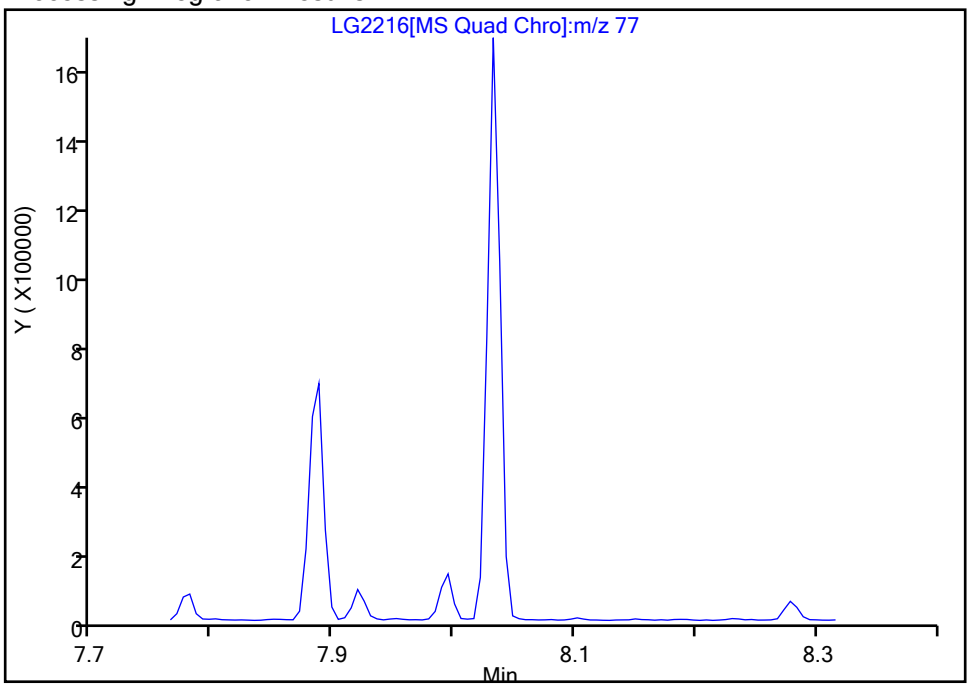
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2216.D				
Injection Date:	22-Jul-2022 15:44:43	Instrument ID:	HP20296		
Lims ID:	IC L5				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

112 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

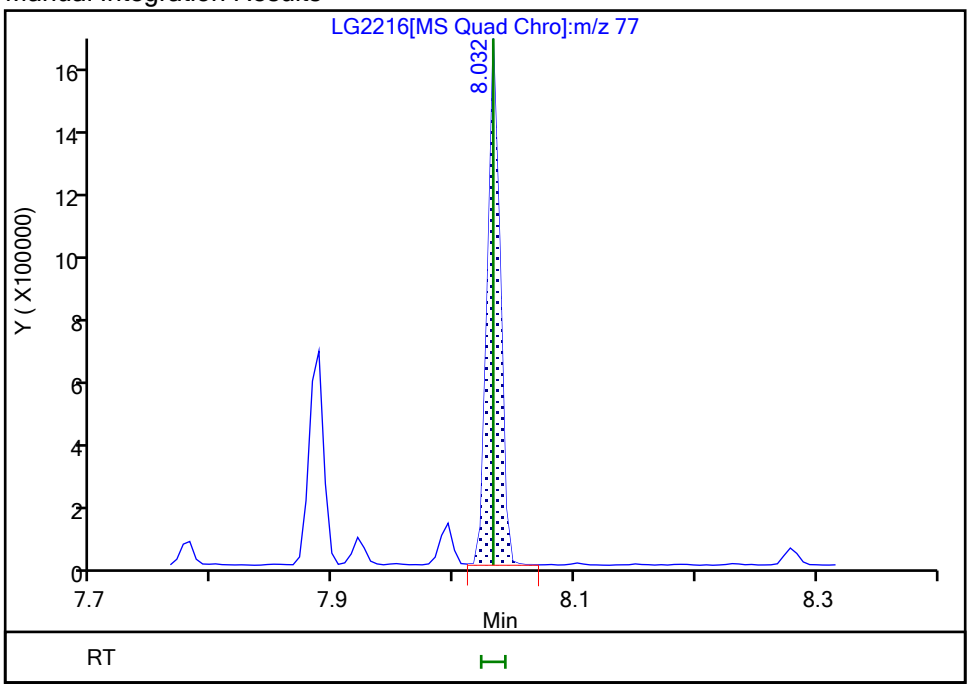
Not Detected
Expected RT: 8.03

Processing Integration Results



Manual Integration Results

RT: 8.03
Area: 1248647
Amount: 7.947369
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:10:09
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

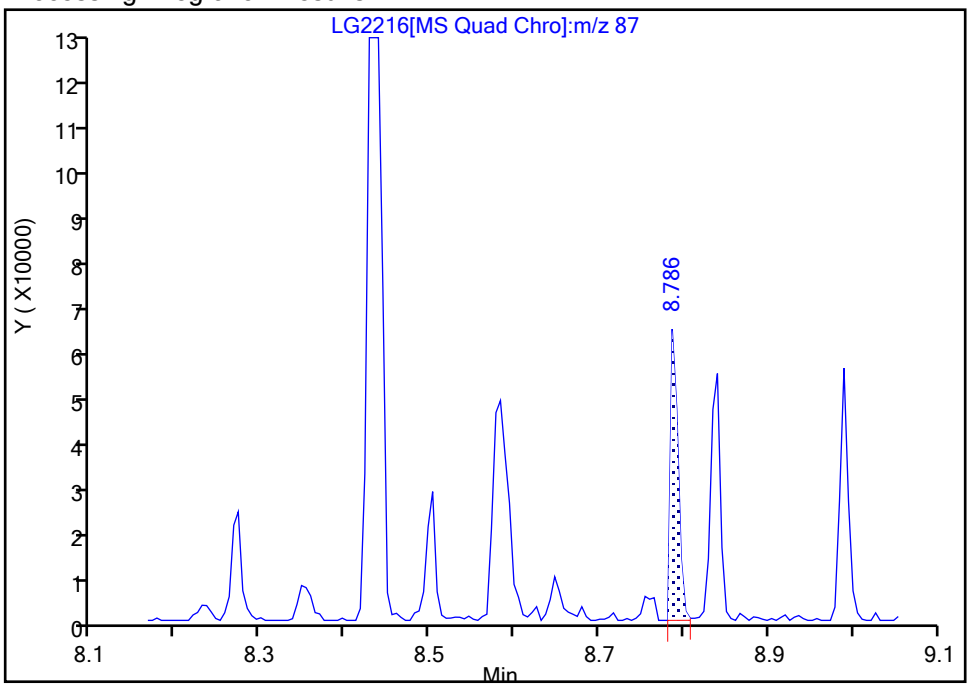
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2216.D				
Injection Date:	22-Jul-2022 15:44:43	Instrument ID:	HP20296		
Lims ID:	IC L5				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

121 Dimethoate, CAS: 60-51-5

Signal: 1

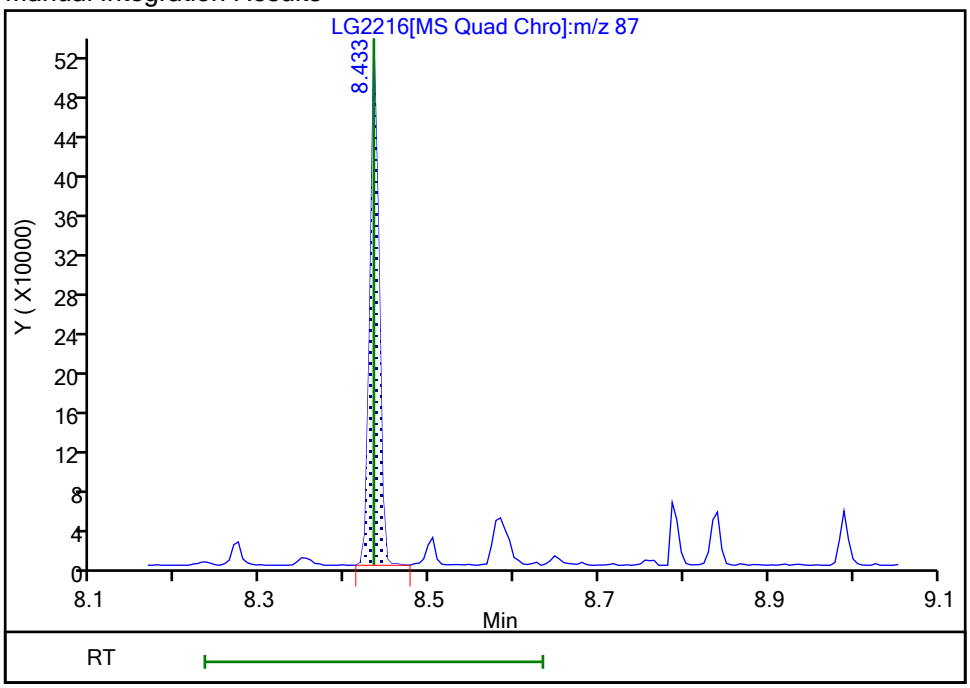
Processing Integration Results

RT: 8.79
Area: 40586
Amount: 1.189421
Amount Units: ug/ml



Manual Integration Results

RT: 8.43
Area: 395578
Amount: 7.952894
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:10:17
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

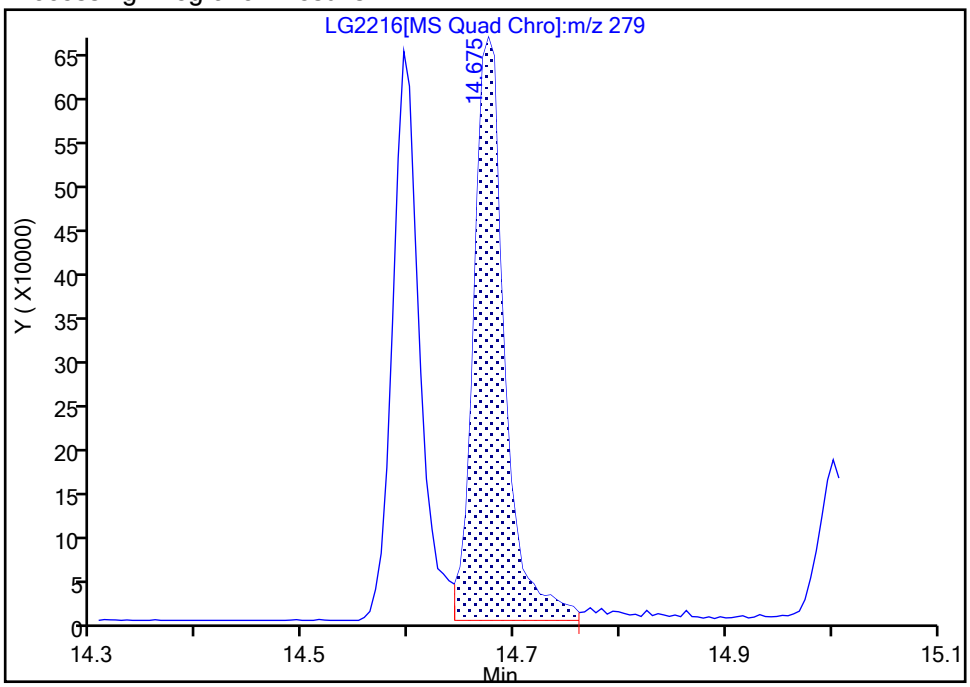
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2216.D				
Injection Date:	22-Jul-2022 15:44:43	Instrument ID:	HP20296		
Lims ID:	IC L5				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

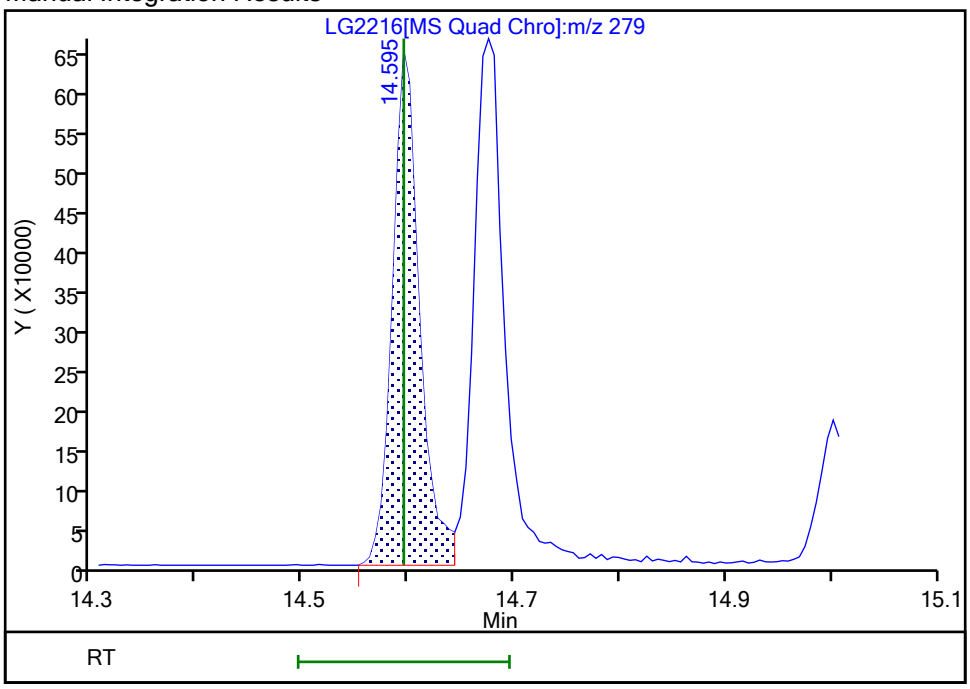
Processing Integration Results

RT: 14.68
Area: 1342591
Amount: 8.282344
Amount Units: ug/ml



Manual Integration Results

RT: 14.60
Area: 1151467
Amount: 7.684462
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:11:41

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

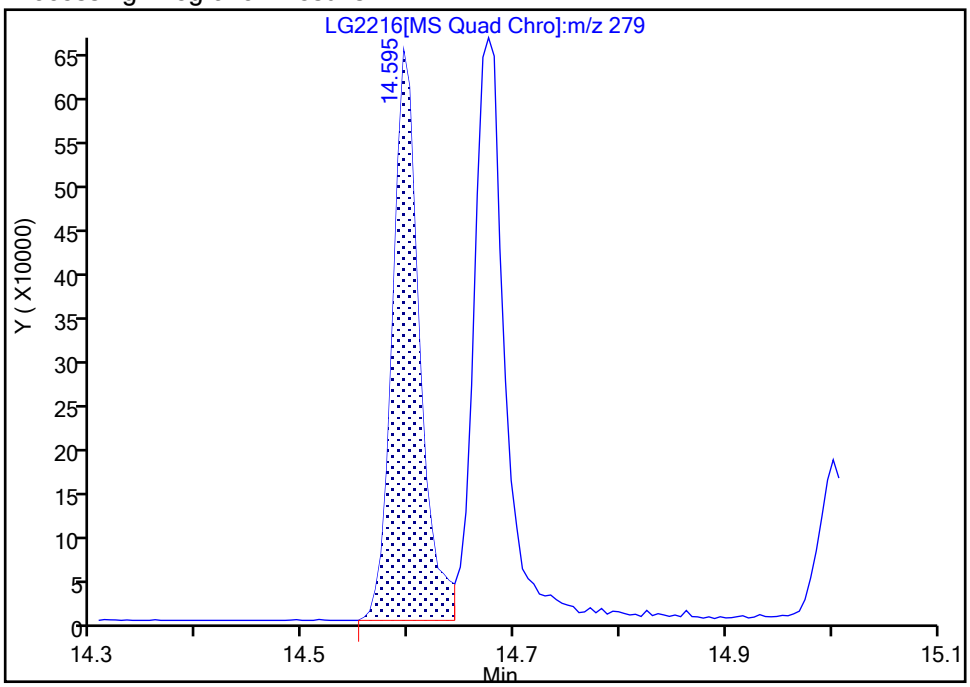
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2216.D				
Injection Date:	22-Jul-2022 15:44:43	Instrument ID:	HP20296		
Lims ID:	IC L5				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

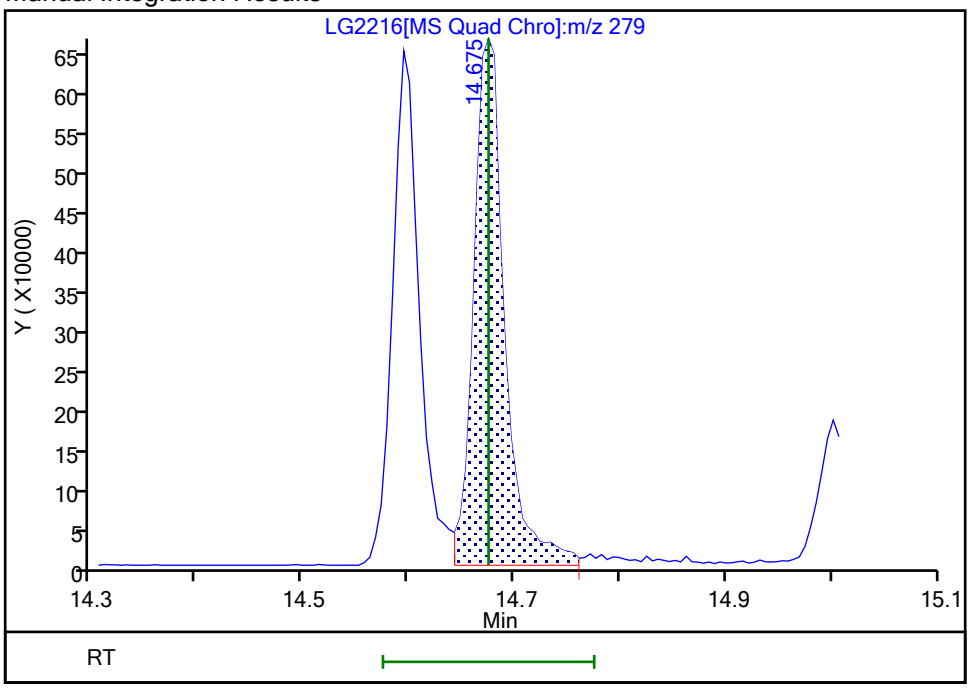
Processing Integration Results

RT: 14.60
Area: 1151467
Amount: 6.782910
Amount Units: ug/ml



Manual Integration Results

RT: 14.68
Area: 1342591
Amount: 7.707275
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:11:38

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2217.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Jul-2022 16:06:09 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Operator ID: apb10206 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub40

Method: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Jul-2022 18:05:45 Calib Date: 22-Jul-2022 16:27:33
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: bauera Date: 25-Jul-2022 18:04:04

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.844	1.839	0.005	95	91008	3.75	3.40	
	2 N-Nitrosodimethylamine	74	2.074	2.069	0.005	93	143005	3.75	3.55	
	3 Pyridine	79	2.111	2.106	0.005	98	447267	7.50	6.64	
	4 Dimethylformamide	73	2.411	2.400	0.011	91	146481	3.75	3.16	
	5 2-Picoline	93	2.716	2.710	0.006	93	217452	3.75	3.35	
	6 N-Nitrosomethylethylamine	88	2.801	2.801	0.000	93	106787	3.75	3.51	
	9 Methyl methanesulfonate	80	3.069	3.069	0.000	88	133089	3.75	3.30	
$	10 2-Fluorophenol	112	3.219	3.219	0.000	94	358137	7.50	6.64	
	11 N-Nitrosodiethylamine	102	3.449	3.454	-0.005	93	88793	3.75	3.39	
	13 Ethyl methanesulfonate	109	3.732	3.732	0.000	98	98136	3.75	3.36	
	15 Benzaldehyde	77	4.069	4.069	0.000	95	231053	3.75	3.93	
$	16 Phenol-d5	99	4.101	4.101	0.000	97	498613	7.50	6.85	
	17 Phenol	94	4.117	4.117	0.000	97	266841	3.75	3.46	
	18 Aniline	93	4.165	4.165	0.000	95	314201	3.75	3.34	
	19 Bis(2-chloroethyl)ether	93	4.224	4.224	0.000	96	203017	3.75	3.24	
	20 2-Chlorophenol	128	4.272	4.278	-0.006	93	173428	3.75	3.29	
	22 1,3-Dichlorobenzene	146	4.427	4.427	0.000	95	201464	3.75	3.33	
*	24 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	97	191517	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.497	4.497	0.000	90	204241	3.75	3.29	
	27 Benzyl alcohol	108	4.604	4.604	0.000	89	134674	3.75	3.47	
	29 1,2-Dichlorobenzene	146	4.641	4.641	0.000	93	202487	3.75	3.44	
	31 2-Methylphenol	108	4.700	4.705	-0.005	96	171528	3.75	3.35	
	32 2,2'-oxybis[1-chloropropane]	45	4.738	4.738	0.000	89	243287	3.75	3.37	
	34 N-Nitrosopyrrolidine	100	4.839	4.839	0.000	90	104996	3.75	3.34	
	36 4-Methylphenol	108	4.850	4.850	0.000	96	180727	3.75	3.15	
	37 N-Nitrosodi-n-propylamine	70	4.861	4.861	0.000	77	171428	3.75	3.21	
	35 Acetophenone	105	4.861	4.861	0.000	89	300518	3.75	3.38	
	38 N-Nitrosomorpholine	56	4.877	4.877	0.000	91	131758	3.75	3.46	
	39 2-Toluidine	106	4.893	4.893	0.000	94	309171	3.75	3.26	
	23 alpha,alpha-Dimethyl phenethylam	58		4.967				ND	ND	U
	40 Hexachloroethane	117	4.968	4.968	0.000	86	83771	3.75	3.21	

Report Date: 25-Jul-2022 18:05:46 Chrom Revision: 2.3 19-Jul-2022 21:48:42
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2217.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	5.005	5.005	0.000	89	512018	7.50	6.98	
42 Nitrobenzene	77	5.026	5.026	0.000	85	258444	3.75	3.30	
44 N-Nitrosopiperidine	114	5.166	5.171	-0.005	82	93339	3.75	3.43	
46 Isophorone	82	5.251	5.251	0.000	99	443092	3.75	3.34	
47 2-Nitrophenol	139	5.326	5.326	0.000	88	73003	3.75	3.16	
48 2,4-Dimethylphenol	107	5.363	5.363	0.000	97	200592	3.75	3.30	
49 o,o',o''-Triethylphosphorothioat	198	5.433	5.433	0.000	85	98641	3.75	3.13	
51 Bis(2-chloroethoxy)methane	93	5.460	5.460	0.000	98	262581	3.75	3.41	
52 2,4-Dichlorophenol	162	5.551	5.551	0.000	94	162404	3.75	3.35	
54 1,2,4-Trichlorobenzene	180	5.642	5.636	0.006	93	201437	3.75	3.45	
* 55 Naphthalene-d8	136	5.695	5.695	0.000	100	698531	5.00	5.00	a
56 Naphthalene	128	5.716	5.716	0.000	99	521260	3.75	3.26	
26 Alpha-Terpineol	59	5.722	5.722	0.000	92	178822	3.75	3.26	a
57 4-Chloroaniline	127	5.765	5.765	0.001	93	231628	3.75	3.32	
58 2,6-Dichlorophenol	162	5.770	5.770	0.000	93	164439	3.75	3.29	
59 Hexachloropropene	213	5.802	5.802	0.000	87	142668	3.75	3.48	
60 Hexachlorobutadiene	225	5.834	5.834	0.000	93	129600	3.75	3.41	
62 Quinoline	129	6.027	6.032	-0.005	93	329789	3.75	3.41	
64 Caprolactam	113	6.064	6.075	-0.011	77	65752	3.75	3.66	
65 N-Nitrosodi-n-butylamine	84	6.085	6.085	0.000	89	166887	3.75	2.90	
33 p-Phenylene diamine	108	6.096	6.096	0.000	93	252466	3.75	3.43	
66 4-Chloro-3-methylphenol	107	6.219	6.219	0.000	93	168797	3.75	3.38	
67 Safrole, Total	162	6.294	6.294	0.000	87	145563	3.75	3.35	
69 2-Methylnaphthalene	142	6.374	6.374	0.000	90	361595	3.75	3.42	
70 1-Methylnaphthalene	142	6.465	6.465	0.000	92	343412	3.75	3.41	
71 Hexachlorocyclopentadiene	237	6.524	6.524	0.000	95	151698	3.75	3.26	
72 1,2,4,5-Tetrachlorobenzene	216	6.529	6.529	0.000	96	232768	3.75	3.24	
73 Isosafrole Peak 1	162	6.572	6.567	0.005	89	28112	0.6000	0.5408	
74 2,4,6-Trichlorophenol	196	6.636	6.636	0.000	84	133344	3.75	3.16	
75 2,4,5-Trichlorophenol	196	6.668	6.668	0.000	93	154282	3.75	3.36	
$ 76 2-Fluorobiphenyl (Surr)	172	6.722	6.722	0.000	99	951570	7.50	6.63	
77 Isosafrole Peak 2	162	6.781	6.786	-0.005	90	153820	3.15	2.72	
79 1,1'-Biphenyl	154	6.818	6.818	0.000	95	489044	3.75	3.42	
80 2-Chloronaphthalene	162	6.834	6.834	0.000	93	391765	3.75	3.44	
81 1-Chloronaphthalene	162	6.856	6.856	0.000	97	352617	3.75	3.27	
82 Phenyl ether	170	6.920	6.920	0.000	89	265587	3.75	3.36	
83 2-Nitroaniline	138	6.925	6.931	-0.005	80	109132	3.75	3.32	
84 1,4-Naphthoquinone	158	7.000	7.000	0.000	84	142418	3.75	3.20	
85 1,4-Dinitrobenzene	168	7.064	7.064	0.000	88	51814	3.75	3.41	
86 Dimethyl phthalate	163	7.107	7.107	0.000	98	460750	3.75	3.34	
87 1,3-Dinitrobenzene	168	7.128	7.128	0.000	81	55338	3.75	2.95	
88 2,6-Dinitrotoluene	165	7.161	7.161	0.001	90	95512	3.75	3.38	
90 Acenaphthylene	152	7.225	7.230	-0.005	98	572519	3.75	3.29	
91 3-Nitroaniline	138	7.316	7.316	0.000	90	100680	3.75	3.54	
* 92 Acenaphthene-d10	164	7.358	7.358	0.000	95	468811	5.00	5.00	
93 Acenaphthene	153	7.391	7.390	0.001	97	399309	3.75	3.28	
94 2,4-Dinitrophenol	184	7.412	7.417	-0.005	85	108731	11.3	10.0	
96 4-Nitrophenol	109	7.465	7.471	-0.006	90	145638	7.50	6.91	
98 Pentachlorobenzene	250	7.514	7.514	0.000	97	195984	3.75	3.29	
99 2,4-Dinitrotoluene	165	7.540	7.540	0.000	89	125322	3.75	3.30	
100 Dibenzofuran	168	7.556	7.556	0.000	97	561853	3.75	3.28	
101 1-Naphthylamine	143	7.626	7.631	-0.005	98	378096	3.75	3.25	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.669	7.669	0.000	74	132347	3.75	3.30	a
103 2-Naphthylamine	143	7.701	7.706	-0.005	96	396688	3.75	3.37	
104 Diethyl phthalate	149	7.776	7.781	-0.005	97	434960	3.75	3.27	
106 Thionazin	107	7.856	7.856	0.000	77	64717	3.75	3.19	
105 Fluorene	166	7.877	7.877	0.000	93	466330	3.75	3.26	
108 4-Chlorophenyl phenyl ether	204	7.883	7.888	-0.005	89	265622	3.75	3.40	
107 N-Nitro-o-toluidine	152	7.888	7.888	0.000	73	120398	3.75	3.27	
109 4-Nitroaniline	138	7.888	7.893	-0.005	76	110271	3.75	3.20	
110 4,6-Dinitro-2-methylphenol	198	7.920	7.920	0.000	82	93972	7.50	6.54	
111 N-Nitrosodiphenylamine	169	7.995	7.995	0.000	98	340964	3.19	2.93	
112 1,2-Diphenylhydrazine	77	8.032	8.032	0.000	98	576035	3.75	3.40	a
$ 113 2,4,6-Tribromophenol	330	8.107	8.107	0.000	94	147059	7.50	6.46	
114 Sulfotepp	97	8.150	8.150	0.000	78	84309	3.75	3.26	
175 1,3,5-Trinitrobenzene	213	8.230	8.236	-0.006	82	33455	3.75	2.61	
115 cis-Diallate	86	8.268	8.273	-0.005	90	145248	2.78	2.35	
116 Phorate	75	8.278	8.278	0.000	94	311758	3.75	3.31	
117 Phenacetin	108	8.284	8.284	0.000	88	236821	3.75	3.44	
118 4-Bromophenyl phenyl ether	248	8.348	8.348	0.000	68	142896	3.75	3.17	
119 trans-Diallate	86	8.353	8.353	0.000	90	49878	0.9750	0.8250	
120 Hexachlorobenzene	284	8.396	8.396	0.000	94	156521	3.75	3.10	
121 Dimethoate	87	8.434	8.433	0.001	95	182241	3.75	3.39	a
122 Atrazine	200	8.503	8.503	0.000	94	173523	3.75	3.73	
123 Pentachlorophenol	266	8.583	8.583	0.000	92	185036	7.50	6.36	
124 4-Aminobiphenyl	169	8.589	8.589	0.000	92	544562	3.75	3.27	
125 Pentachloronitrobenzene	237	8.589	8.594	-0.005	76	73056	3.75	3.09	
126 Pronamide	173	8.647	8.647	0.000	90	214140	3.75	3.11	
128 Dinoseb	211	8.760	8.760	0.000	95	67497	3.75	3.16	
* 127 Phenanthrene-d10	188	8.765	8.765	0.000	97	977246	5.00	5.00	
68 Disulfoton	88	8.776	8.776	0.000	96	312478	3.75	3.20	
129 Phenanthrene	178	8.787	8.792	-0.005	97	742039	3.75	3.38	
130 Anthracene	178	8.840	8.840	0.000	98	730413	3.75	3.28	
S 53 Dinitrotoluene	165				0			6.69	
131 Carbazole	167	8.990	8.990	0.000	97	663447	3.75	3.37	
132 Methyl parathion	109	9.129	9.129	0.000	91	124984	3.75	3.13	
133 Di-n-butyl phthalate	149	9.337	9.337	0.000	100	707594	3.75	3.24	
134 Ethyl Parathion	109	9.503	9.503	0.000	82	81506	3.75	3.13	
135 4-Nitroquinoline-1-oxide	190	9.525	9.525	0.000	79	43476	3.75	3.36	
S 63 Diallate	86				0		3.75	3.17	
136 Octachlorostyrene	308	9.739	9.739	0.000	90	65343	3.75	3.23	
137 Isodrin	193	9.776	9.776	0.000	93	91077	3.75	3.21	
138 Fluoranthene	202	9.920	9.920	0.000	98	851643	3.75	3.31	
139 Benzidine	184	10.049	10.054	-0.005	99	1702354	11.3	10.6	
* 140 Pyrene-d10 (IS)	212	10.118	10.118	0.000	96	1081597	5.00	5.00	
141 Pyrene	202	10.134	10.134	0.000	97	898118	3.75	3.32	
$ 142 p-Terphenyl-d14	244	10.295	10.295	0.000	99	1397995	7.50	6.86	
143 p-Dimethylamino azobenzene	225	10.434	10.434	0.000	89	147139	3.75	3.19	
144 Chlorobenzilate	139	10.487	10.487	0.000	90	220482	3.75	3.45	
145 3,3'-Dimethylbenzidine	212	10.782	10.782	0.000	98	540876	3.75	3.25	
146 Butyl benzyl phthalate	149	10.808	10.808	0.000	95	304801	3.75	3.26	
147 2-Acetylaminofluorene	181	11.054	11.054	0.000	94	251886	3.75	2.81	
148 3,3'-Dichlorobenzidine	252	11.391	11.386	0.005	73	326790	3.75	3.32	
150 4,4'-Methylene bis(2-chloroani	231	11.397	11.397	0.000	95	178777	3.75	3.40	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.407	11.407	0.000	97	881413	3.75	3.37	
151 Chrysene	228	11.450	11.450	0.000	95	862064	3.75	3.34	
152 Bis(2-ethylhexyl) phthalate	149	11.488	11.488	0.000	97	426930	3.75	3.12	
S 89 Aramite, Total	185		11.583				3.75	ND	
153 6-Methylchrysene	242	12.017	12.017	0.000	98	573521	3.75	3.46	
154 Di-n-octyl phthalate	149	12.349	12.349	0.000	99	631185	3.75	3.17	
156 7,12-Dimethylbenz(a)anthracene	256	12.803	12.809	-0.006	73	327962	3.75	3.15	
155 Benzo[b]fluoranthene	252	12.809	12.809	0.000	96	791974	3.75	3.20	
157 Benzo[k]fluoranthene	252	12.846	12.846	0.000	97	864471	3.75	3.35	
158 Benzo[a]pyrene	252	13.263	13.263	0.000	76	659921	3.75	3.22	
* 159 Perylene-d12	264	13.349	13.344	0.005	99	896778	5.00	5.00	
160 3-Methylcholanthrene	268	13.782	13.782	0.000	89	357654	3.75	3.29	
161 Dibenz[a,h]acridine	279	14.595	14.595	0.000	89	472935	3.75	3.06	a
162 Dibenz[a,j]acridine	279	14.675	14.675	0.000	95	566762	3.75	3.15	a
163 Indeno[1,2,3-cd]pyrene	276	14.943	14.953	-0.010	97	566038	3.75	3.22	M
164 Dibenz(a,h)anthracene	278	14.996	15.002	-0.006	92	610594	3.75	3.12	
165 Benzo[g,h,i]perylene	276	15.392	15.397	-0.005	96	678479	3.75	3.29	
S 166 Isosafrole	162				0		3.75	3.27	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_4_00022 Amount Added: 1.00 Units: mL

Report Date: 25-Jul-2022 18:05:46 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2217.D

Injection Date: 22-Jul-2022 16:06:09 Instrument ID: HP20296 Operator ID: apb10206

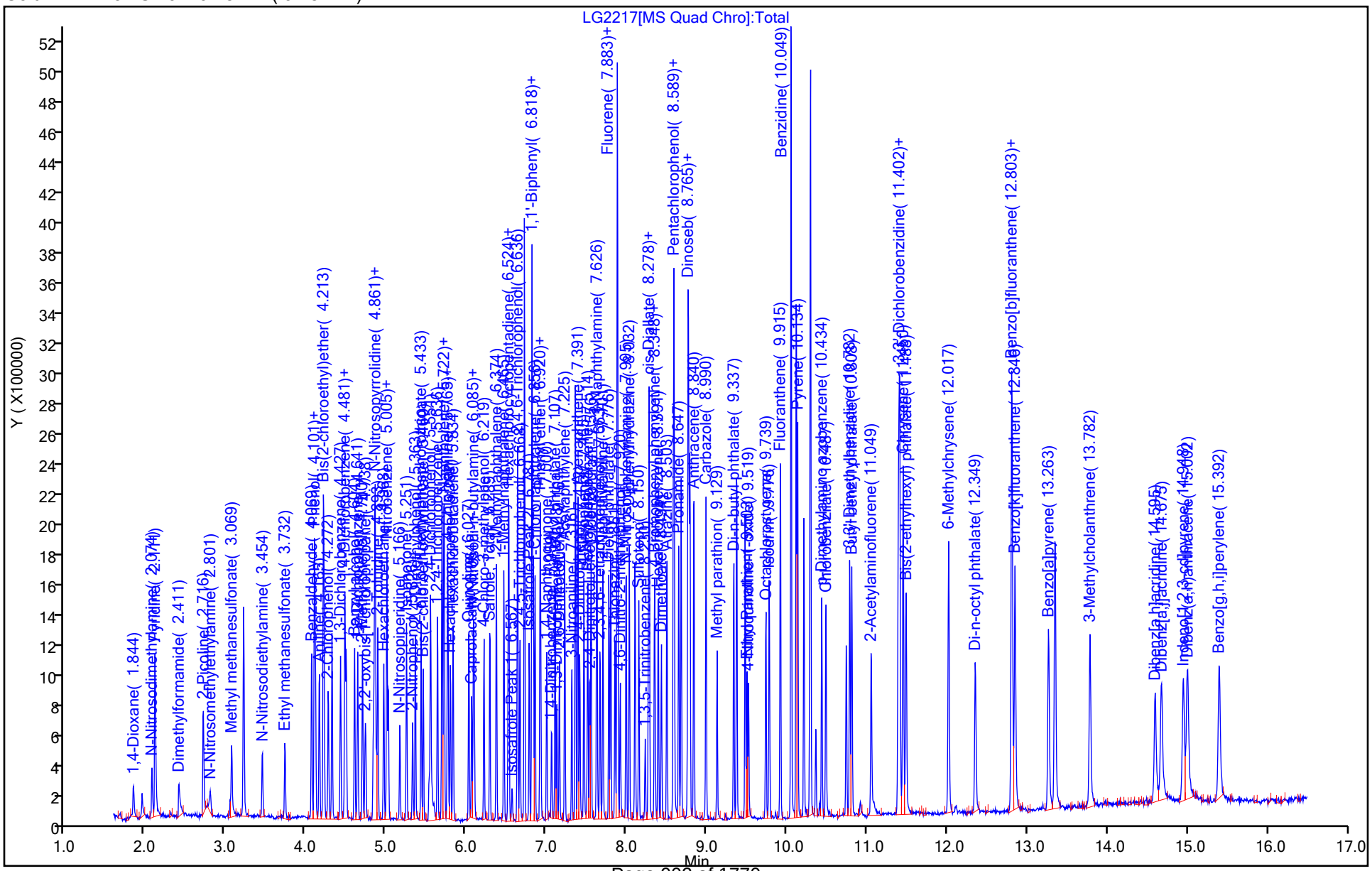
Lims ID: IC L4 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

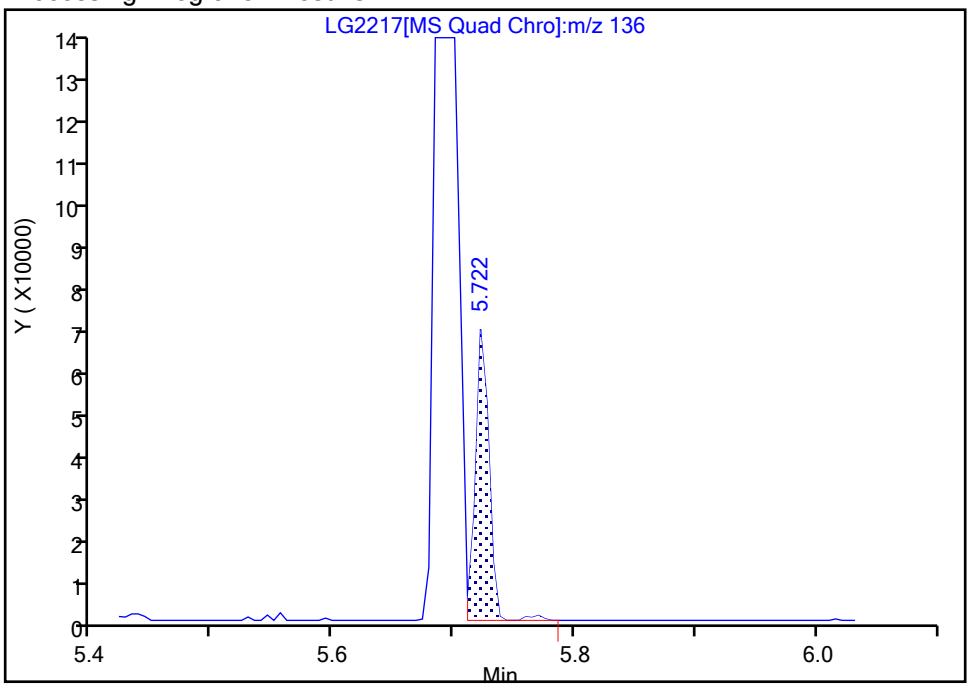
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2217.D
Injection Date: 22-Jul-2022 16:06:09 Instrument ID: HP20296
Lims ID: IC L4
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

* 55 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

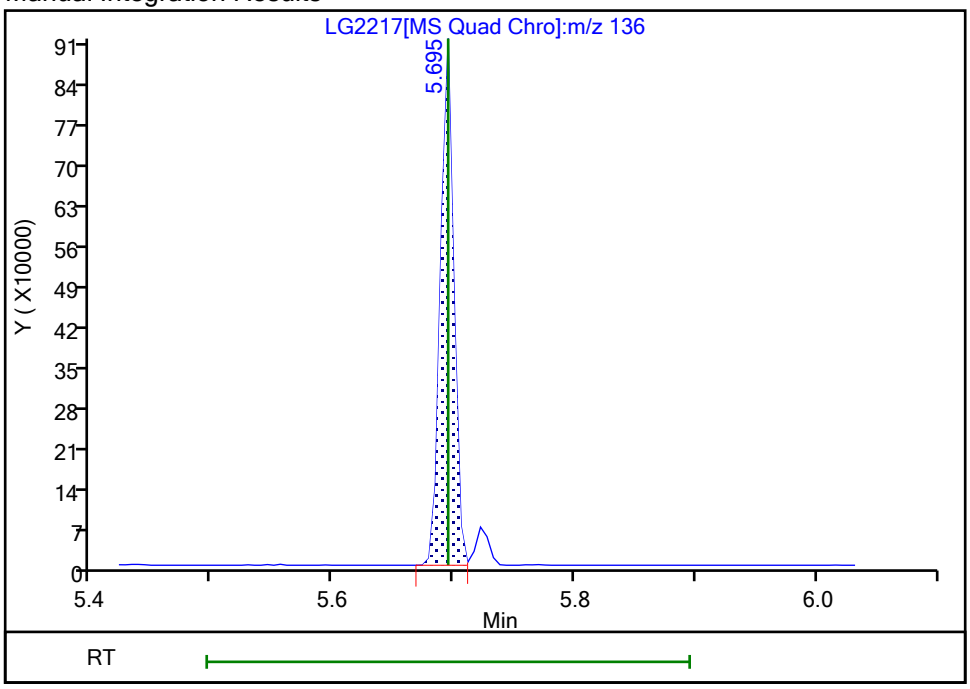
Processing Integration Results

RT: 5.72
Area: 51180
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.70
Area: 698531
Amount: 5.000000
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:11:03
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

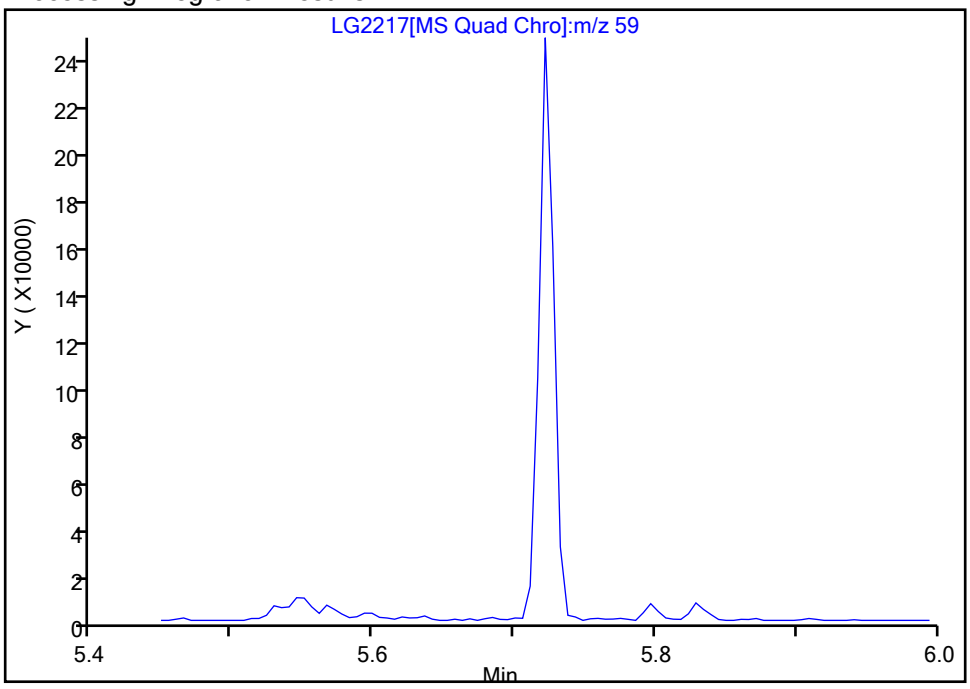
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2217.D				
Injection Date:	22-Jul-2022 16:06:09	Instrument ID:	HP20296		
Lims ID:	IC L4				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

26 Alpha-Terpineol, CAS: 98-55-5

Signal: 1

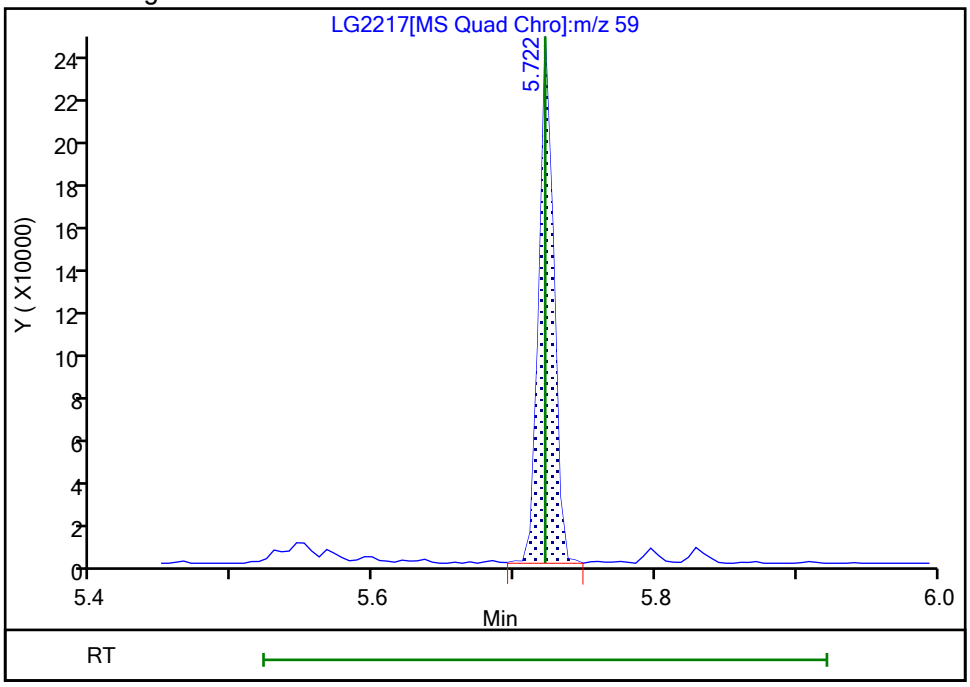
Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results

RT: 5.72
Area: 178822
Amount: 3.258114
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:11:08
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

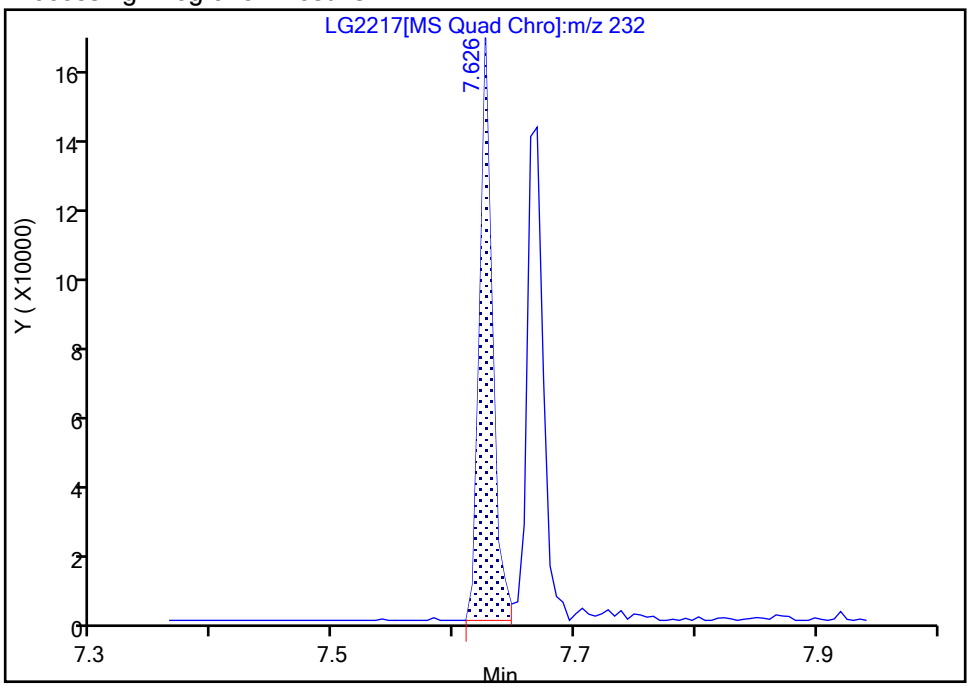
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2217.D				
Injection Date:	22-Jul-2022 16:06:09	Instrument ID:	HP20296		
Lims ID:	IC L4				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

102 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

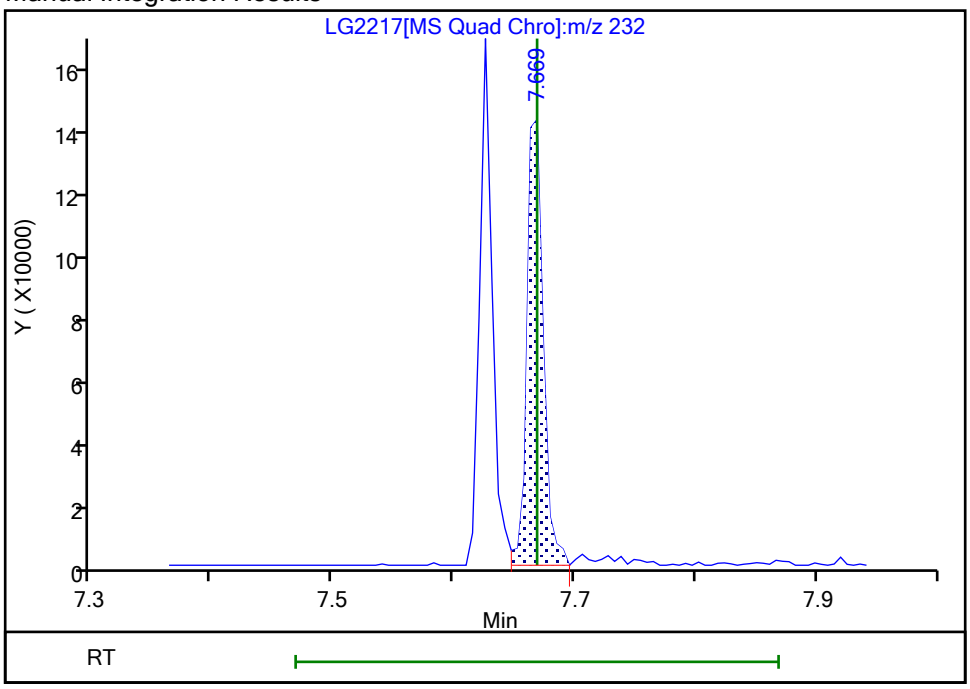
Processing Integration Results

RT: 7.63
Area: 122976
Amount: 3.066714
Amount Units: ug/ml



Manual Integration Results

RT: 7.67
Area: 132347
Amount: 3.295895
Amount Units: ug/ml



Reviewer: P7EB, 25-Jul-2022 14:46:25

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

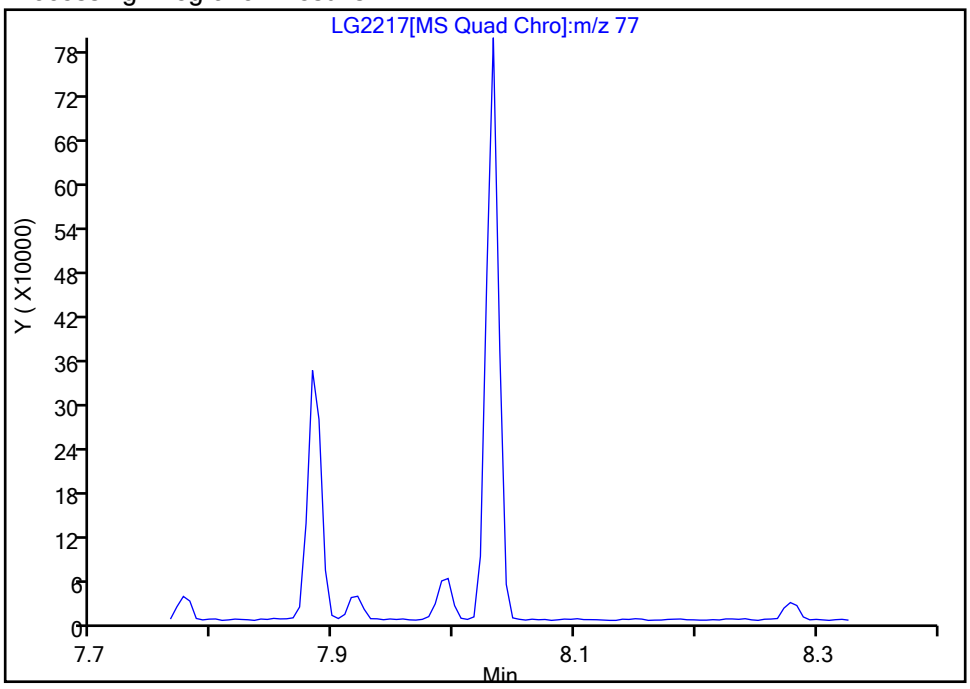
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2217.D				
Injection Date:	22-Jul-2022 16:06:09	Instrument ID:	HP20296		
Lims ID:	IC L4				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

112 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

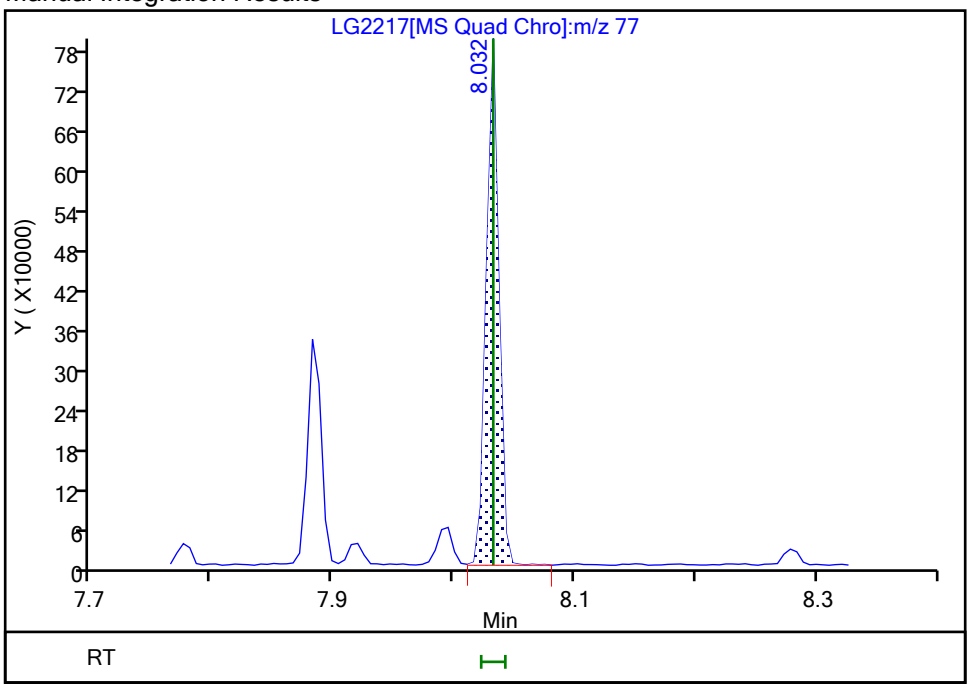
Not Detected
Expected RT: 8.03

Processing Integration Results



Manual Integration Results

RT: 8.03
Area: 576035
Amount: 3.395135
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:11:29
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

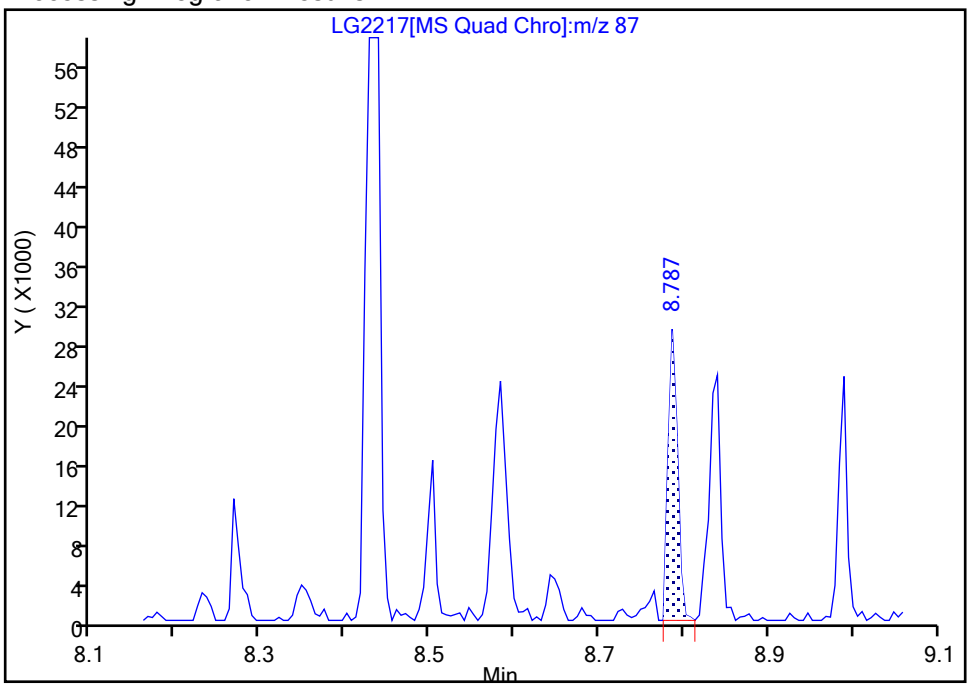
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2217.D				
Injection Date:	22-Jul-2022 16:06:09	Instrument ID:	HP20296		
Lims ID:	IC L4				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

121 Dimethoate, CAS: 60-51-5

Signal: 1

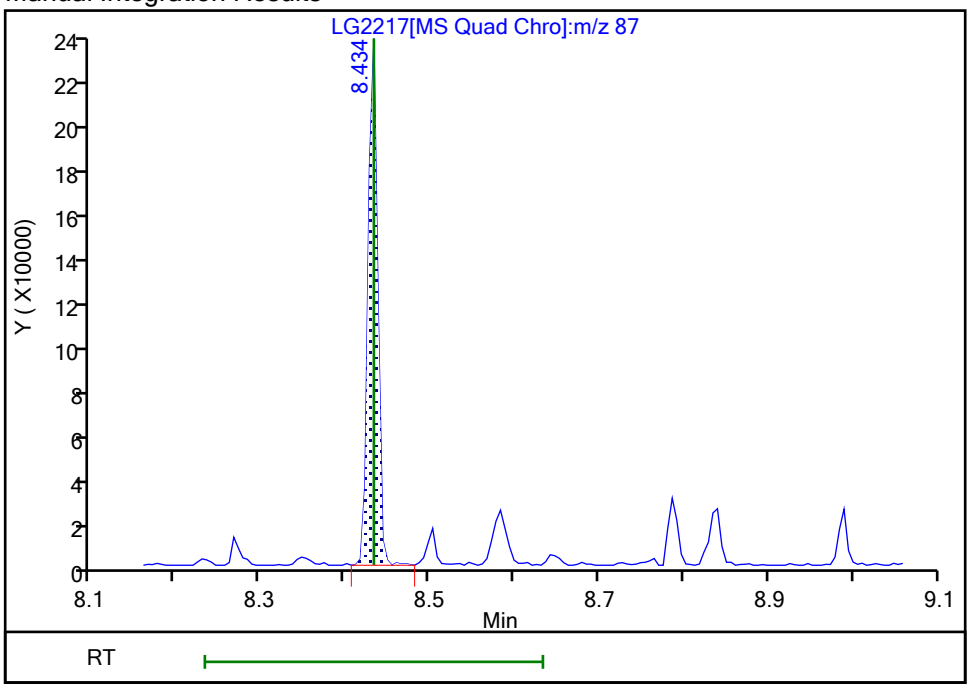
Processing Integration Results

RT: 8.79
Area: 22850
Amount: 0.528479
Amount Units: ug/ml



Manual Integration Results

RT: 8.43
Area: 182241
Amount: 3.392842
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:11:36

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

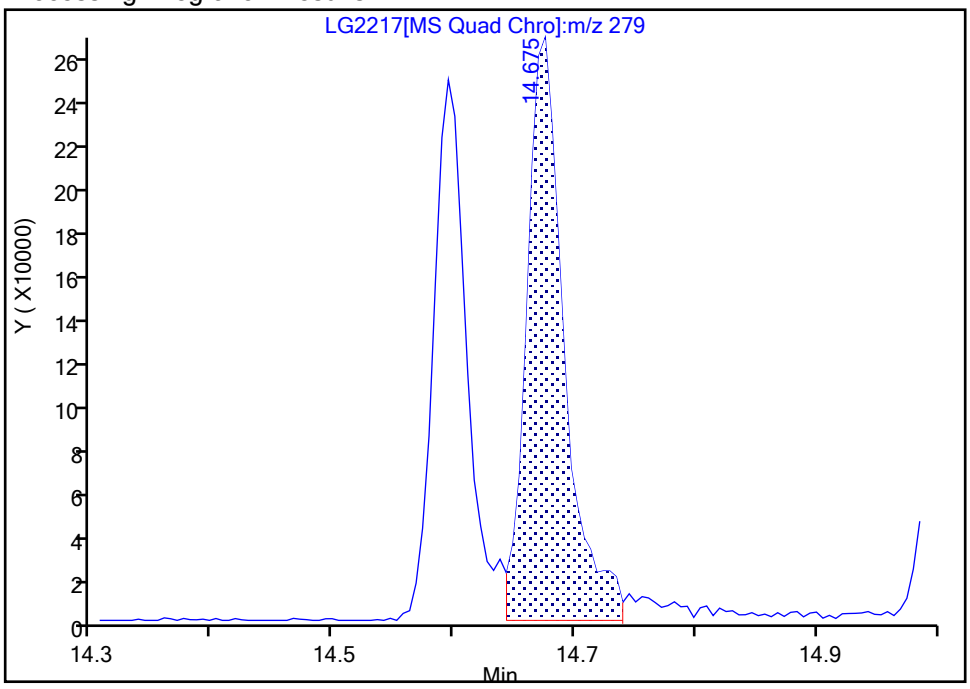
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2217.D
Injection Date: 22-Jul-2022 16:06:09 Instrument ID: HP20296
Lims ID: IC L4
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

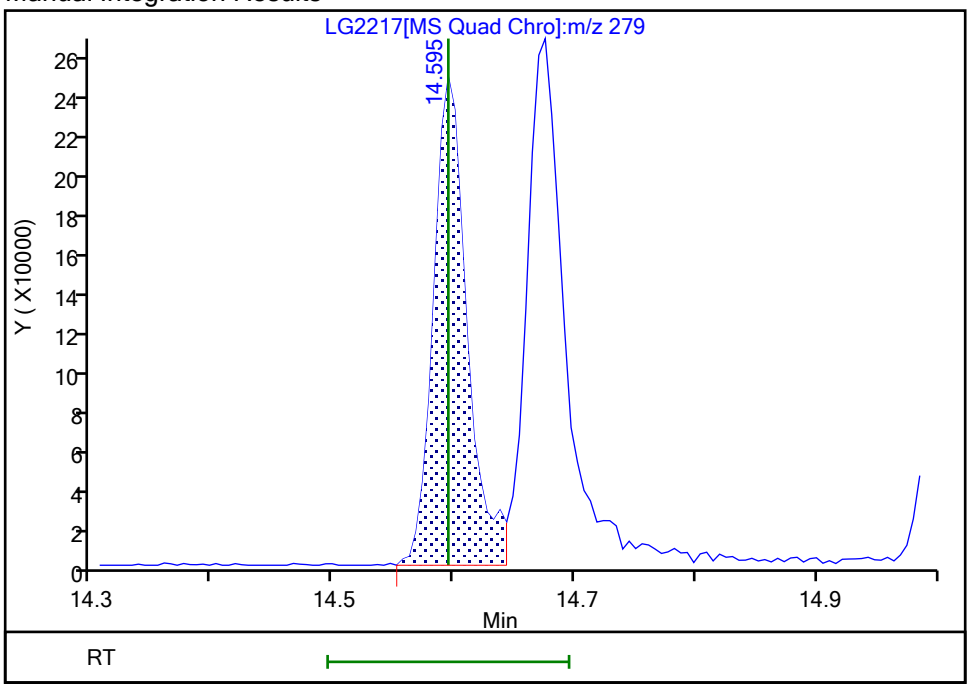
Processing Integration Results

RT: 14.68
Area: 566762
Amount: 3.466371
Amount Units: ug/ml



Manual Integration Results

RT: 14.60
Area: 472935
Amount: 3.058889
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:11:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

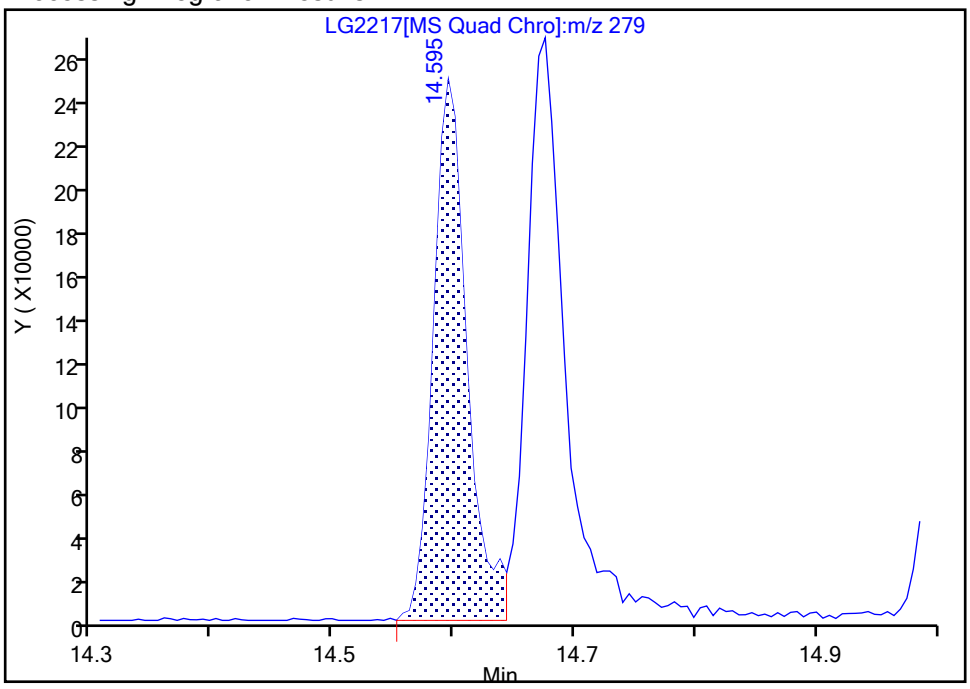
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2217.D
Injection Date: 22-Jul-2022 16:06:09 Instrument ID: HP20296
Lims ID: IC L4
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

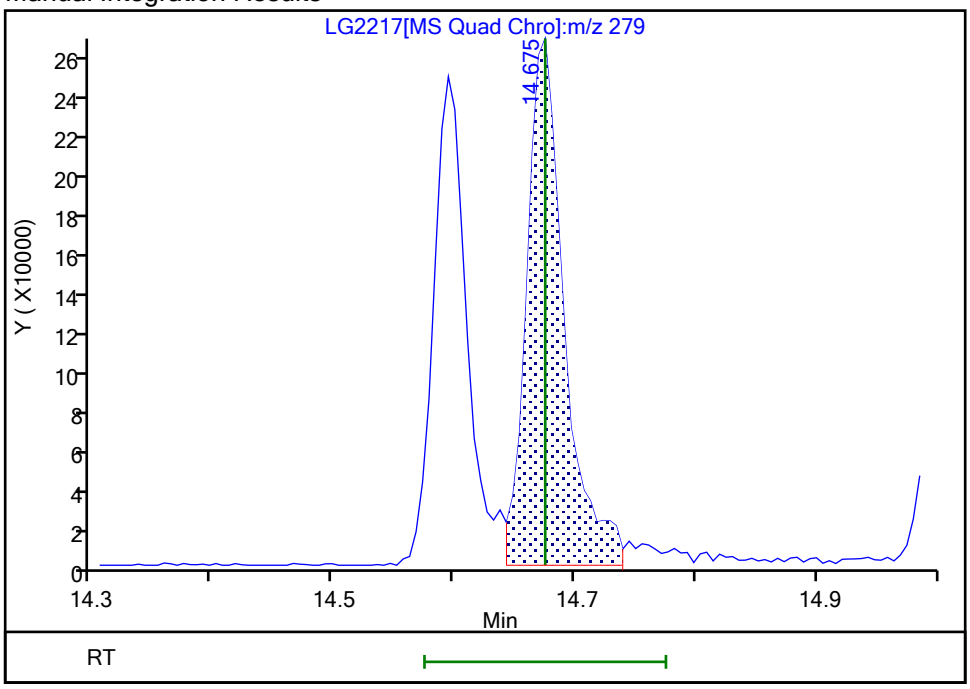
Processing Integration Results

RT: 14.60
Area: 472935
Amount: 3.071989
Amount Units: ug/ml



Manual Integration Results

RT: 14.68
Area: 566762
Amount: 3.153248
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:11:59
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

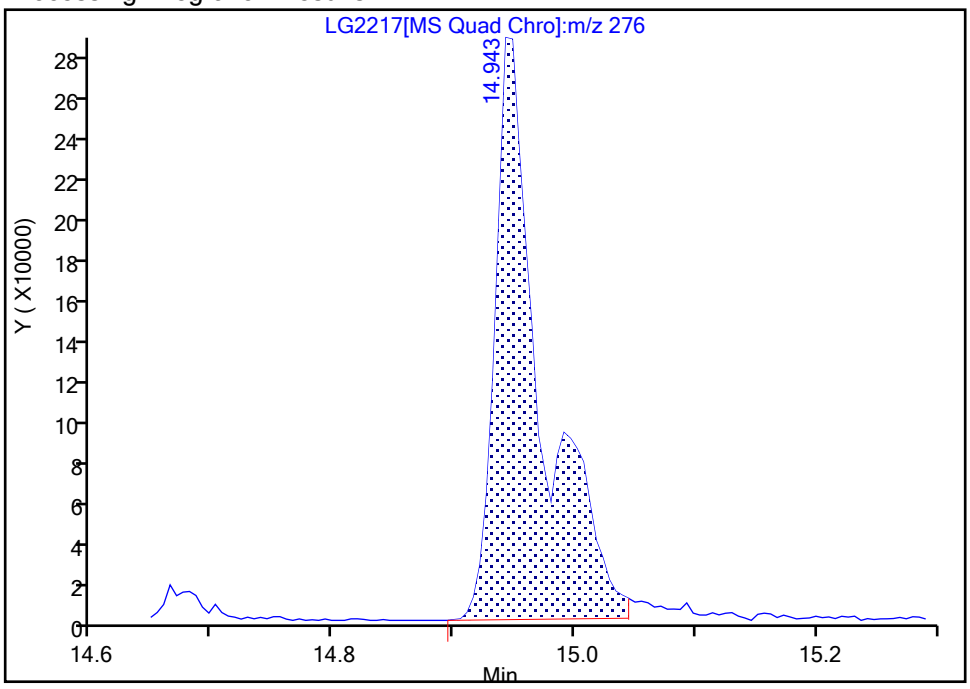
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2217.D				
Injection Date:	22-Jul-2022 16:06:09	Instrument ID:	HP20296		
Lims ID:	IC L4				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

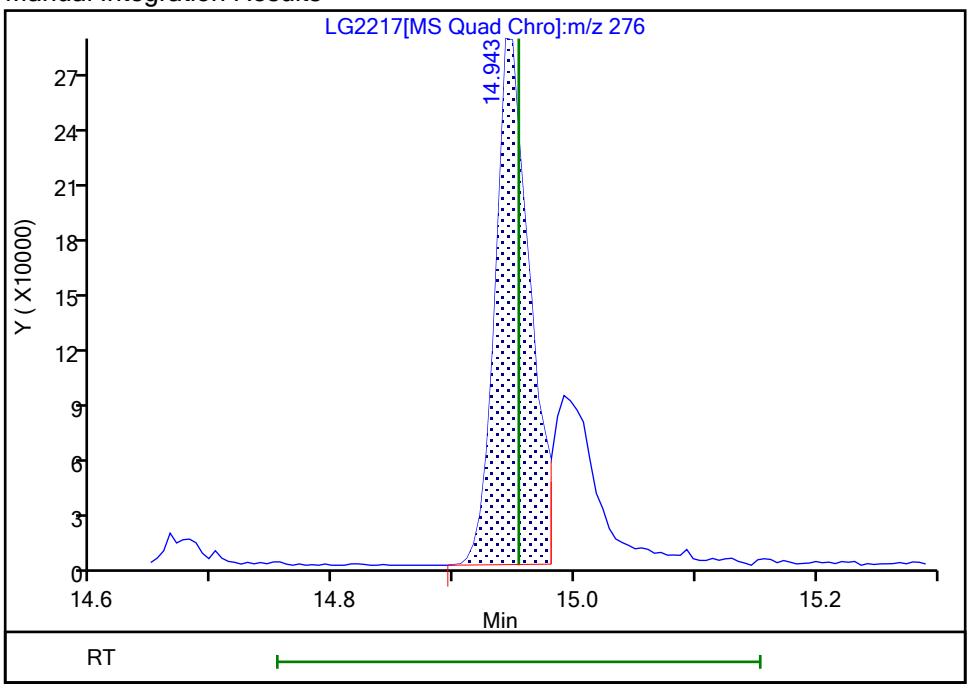
Processing Integration Results

RT: 14.94
Area: 766987
Amount: 4.038023
Amount Units: ug/ml



Manual Integration Results

RT: 14.94
Area: 566038
Amount: 3.215875
Amount Units: ug/ml



Reviewer: bauera, 23-Jul-2022 08:58:32

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Jul-2022 16:27:33 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Operator ID: apb10206 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub40

Method: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Jul-2022 18:05:52 Calib Date: 22-Jul-2022 16:27:33
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: bauera Date: 23-Jul-2022 08:58:59

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.844	1.839	0.005	87	36688	1.25	1.44	
	2 N-Nitrosodimethylamine	74	2.074	2.069	0.005	95	52196	1.25	1.36	
	3 Pyridine	79	2.111	2.106	0.005	97	164717	2.50	2.57	
	4 Dimethylformamide	73	2.427	2.400	0.027	93	61751	1.25	1.40	
	5 2-Picoline	93	2.716	2.710	0.006	94	78100	1.25	1.27	
	6 N-Nitrosomethylethylamine	88	2.796	2.801	-0.005	92	42533	1.25	1.47	
	9 Methyl methanesulfonate	80	3.069	3.069	0.000	83	47815	1.25	1.25	
$	10 2-Fluorophenol	112	3.218	3.219	-0.001	93	130075	2.50	2.53	
	11 N-Nitrosodiethylamine	102	3.454	3.454	0.000	95	32089	1.25	1.29	
	13 Ethyl methanesulfonate	109	3.737	3.732	0.005	97	32850	1.25	1.18	
	15 Benzaldehyde	77	4.064	4.069	-0.005	92	72209	1.25	1.29	
$	16 Phenol-d5	99	4.101	4.101	0.000	98	174325	2.50	2.52	
	17 Phenol	94	4.112	4.117	-0.005	96	86263	1.25	1.17	
	18 Aniline	93	4.160	4.165	-0.005	96	113195	1.25	1.26	
	19 Bis(2-chloroethyl)ether	93	4.224	4.224	0.000	92	80688	1.25	1.35	
	20 2-Chlorophenol	128	4.272	4.278	-0.006	95	63333	1.25	1.26	
	22 1,3-Dichlorobenzene	146	4.427	4.427	0.000	93	72780	1.25	1.26	
*	24 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	97	182272	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.497	4.497	0.000	90	75270	1.25	1.27	
	27 Benzyl alcohol	108	4.604	4.604	0.000	86	41821	1.25	1.13	
	29 1,2-Dichlorobenzene	146	4.641	4.641	0.000	94	71577	1.25	1.28	
	31 2-Methylphenol	108	4.700	4.705	-0.005	95	59330	1.25	1.22	
	32 2,2'-oxybis[1-chloropropane]	45	4.737	4.738	-0.001	88	88552	1.25	1.29	
	34 N-Nitrosopyrrolidine	100	4.834	4.839	-0.005	89	38836	1.25	1.30	
	36 4-Methylphenol	108	4.850	4.850	0.000	91	64088	1.25	1.17	
	37 N-Nitrosodi-n-propylamine	70	4.860	4.861	-0.001	79	61767	1.25	1.22	
	35 Acetophenone	105	4.860	4.861	-0.001	87	104048	1.25	1.23	
	38 N-Nitrosomorpholine	56	4.877	4.877	-0.001	89	44963	1.25	1.24	
	39 2-Toluidine	106	4.893	4.893	0.000	95	111989	1.25	1.24	
	23 alpha,alpha-Dimethyl phenethylam	58		4.967				ND	ND	U
	40 Hexachloroethane	117	4.967	4.968	-0.001	88	34157	1.25	1.37	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	5.005	5.005	0.000	89	174127	2.50	2.44	
42 Nitrobenzene	77	5.021	5.026	-0.005	89	86187	1.25	1.13	
44 N-Nitrosopiperidine	114	5.165	5.171	-0.006	82	31598	1.25	1.20	
46 Isophorone	82	5.251	5.251	0.000	98	154796	1.25	1.20	
47 2-Nitrophenol	139	5.326	5.326	0.000	94	26344	1.25	1.17	
48 2,4-Dimethylphenol	107	5.363	5.363	0.000	98	73320	1.25	1.24	
49 o,o',o''-Triethylphosphorothioat	198	5.433	5.433	0.000	84	37054	1.25	1.21	
51 Bis(2-chloroethoxy)methane	93	5.460	5.460	0.000	97	93237	1.25	1.25	
52 2,4-Dichlorophenol	162	5.550	5.551	-0.001	96	53469	1.25	1.14	
54 1,2,4-Trichlorobenzene	180	5.636	5.636	0.000	92	73942	1.25	1.31	
* 55 Naphthalene-d8	136	5.695	5.695	0.000	99	678470	5.00	5.00	a
56 Naphthalene	128	5.716	5.716	0.000	98	193555	1.25	1.25	
26 Alpha-Terpineol	59	5.722	5.722	0.000	90	66177	1.25	1.24	a
57 4-Chloroaniline	127	5.764	5.765	0.000	94	77288	1.25	1.14	
58 2,6-Dichlorophenol	162	5.770	5.770	0.000	91	56404	1.25	1.16	
59 Hexachloropropene	213	5.796	5.802	-0.006	86	47963	1.25	1.20	
60 Hexachlorobutadiene	225	5.834	5.834	0.000	94	42287	1.25	1.15	
62 Quinoline	129	6.026	6.032	-0.006	93	115693	1.25	1.23	
64 Caprolactam	113	6.064	6.075	-0.011	82	20797	1.25	1.19	
65 N-Nitrosodi-n-butylamine	84	6.085	6.085	0.000	92	58309	1.25	1.04	
33 p-Phenylene diamine	108	6.096	6.096	0.000	89	83288	1.25	1.16	
66 4-Chloro-3-methylphenol	107	6.219	6.219	0.000	92	55834	1.25	1.15	
67 Safrole, Total	162	6.289	6.294	-0.005	91	52439	1.25	1.24	
69 2-Methylnaphthalene	142	6.374	6.374	0.000	92	126487	1.25	1.23	
70 1-Methylnaphthalene	142	6.465	6.465	0.000	89	116527	1.25	1.19	
71 Hexachlorocyclopentadiene	237	6.524	6.524	0.000	95	48475	1.25	1.17	
72 1,2,4,5-Tetrachlorobenzene	216	6.529	6.529	0.000	95	86288	1.25	1.34	
73 Isosafrole Peak 1	162	6.567	6.567	0.000	87	11110	0.2000	0.2392	
74 2,4,6-Trichlorophenol	196	6.636	6.636	0.000	84	46509	1.25	1.23	
75 2,4,5-Trichlorophenol	196	6.668	6.668	0.000	93	52748	1.25	1.29	
$ 76 2-Fluorobiphenyl (Surr)	172	6.722	6.722	0.000	98	333415	2.50	2.60	
77 Isosafrole Peak 2	162	6.781	6.786	-0.005	91	54213	1.05	1.07	
79 1,1'-Biphenyl	154	6.818	6.818	0.000	99	157352	1.25	1.23	
80 2-Chloronaphthalene	162	6.834	6.834	0.000	94	139890	1.25	1.38	
81 1-Chloronaphthalene	162	6.855	6.856	-0.001	97	121501	1.25	1.26	
82 Phenyl ether	170	6.920	6.920	0.000	90	99300	1.25	1.41	
83 2-Nitroaniline	138	6.925	6.931	-0.005	70	32918	1.25	1.12	
84 1,4-Naphthoquinone	158	7.000	7.000	0.000	78	48912	1.25	1.23	
85 1,4-Dinitrobenzene	168	7.064	7.064	0.000	84	12211	1.25	0.8986	
86 Dimethyl phthalate	163	7.107	7.107	0.000	97	156982	1.25	1.28	
87 1,3-Dinitrobenzene	168	7.128	7.128	0.000	80	18909	1.25	1.13	
88 2,6-Dinitrotoluene	165	7.160	7.161	0.000	87	28695	1.25	1.14	
90 Acenaphthylene	152	7.225	7.230	-0.005	99	193168	1.25	1.24	
91 3-Nitroaniline	138	7.310	7.316	-0.006	89	29771	1.25	1.17	
* 92 Acenaphthene-d10	164	7.358	7.358	0.000	96	418914	5.00	5.00	
93 Acenaphthene	153	7.390	7.390	0.000	96	139656	1.25	1.28	
94 2,4-Dinitrophenol	184	7.412	7.417	-0.005	78	40080	5.00	5.90	
96 4-Nitrophenol	109	7.465	7.471	-0.006	88	67713	3.75	3.59	
98 Pentachlorobenzene	250	7.513	7.514	-0.001	95	70897	1.25	1.33	
99 2,4-Dinitrotoluene	165	7.540	7.540	0.000	92	43812	1.25	1.29	
100 Dibenzofuran	168	7.556	7.556	0.000	97	200158	1.25	1.31	
101 1-Naphthylamine	143	7.626	7.631	-0.005	98	128820	1.25	1.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.668	7.669	-0.001	69	40929	1.25	1.14	a
103 2-Naphthylamine	143	7.701	7.706	-0.005	95	131554	1.25	1.25	
104 Diethyl phthalate	149	7.775	7.781	-0.006	98	162489	1.25	1.37	
106 Thionazin	107	7.850	7.856	-0.006	75	22644	1.25	1.25	
105 Fluorene	166	7.877	7.877	0.000	97	160454	1.25	1.26	
108 4-Chlorophenyl phenyl ether	204	7.882	7.888	-0.006	84	84933	1.25	1.22	
107 N-Nitro-o-toluidine	152	7.882	7.888	-0.006	73	41046	1.25	1.25	
109 4-Nitroaniline	138	7.888	7.893	-0.005	78	38595	1.25	1.25	
110 4,6-Dinitro-2-methylphenol	198	7.920	7.920	0.000	81	43376	3.75	4.31	
111 N-Nitrosodiphenylamine	169	7.989	7.995	-0.006	97	104977	1.06	0.9764	
112 1,2-Diphenylhydrazine	77	8.032	8.032	0.000	98	204447	1.25	1.30	a
$ 113 2,4,6-Tribromophenol	330	8.102	8.107	-0.005	93	47801	2.50	2.35	
114 Sulfotepp	97	8.150	8.150	0.000	77	28992	1.25	1.21	
175 1,3,5-Trinitrobenzene	213	8.230	8.236	-0.006	85	14099	1.25	1.19	
115 cis-Diallate	86	8.268	8.273	-0.005	75	57850	0.9250	1.01	
116 Phorate	75	8.278	8.278	0.000	93	101445	1.25	1.17	
117 Phenacetin	108	8.278	8.284	-0.006	71	71651	1.25	1.13	
118 4-Bromophenyl phenyl ether	248	8.348	8.348	0.000	70	53173	1.25	1.28	
119 trans-Diallate	86	8.353	8.353	0.000	88	19383	0.3250	0.3471	
120 Hexachlorobenzene	284	8.391	8.396	-0.005	93	60221	1.25	1.29	
121 Dimethoate	87	8.433	8.433	0.000	96	57140	1.25	1.15	a
122 Atrazine	200	8.498	8.503	-0.005	91	54822	1.25	1.28	
123 Pentachlorophenol	266	8.578	8.583	-0.005	91	61107	2.50	2.28	
124 4-Aminobiphenyl	169	8.588	8.589	-0.001	91	174831	1.25	1.14	
125 Pentachloronitrobenzene	237	8.594	8.594	0.000	48	23484	1.25	1.08	
126 Pronamide	173	8.647	8.647	0.000	90	76704	1.25	1.21	
128 Dinoseb	211	8.760	8.760	0.000	60	15482	1.25	1.49	
* 127 Phenanthrene-d10	188	8.765	8.765	0.000	97	902593	5.00	5.00	
68 Disulfoton	88	8.776	8.776	0.000	95	117504	1.25	1.30	
129 Phenanthrene	178	8.786	8.792	-0.006	98	254203	1.25	1.25	
130 Anthracene	178	8.840	8.840	0.000	97	239683	1.25	1.17	
S 53 Dinitrotoluene	165				0			2.43	
131 Carbazole	167	8.990	8.990	0.000	96	222339	1.25	1.22	
132 Methyl parathion	109	9.129	9.129	0.000	91	34704	1.25	0.9396	
133 Di-n-butyl phthalate	149	9.337	9.337	0.000	100	242191	1.25	1.20	
134 Ethyl Parathion	109	9.503	9.503	0.000	81	23248	1.25	0.9652	
135 4-Nitroquinoline-1-oxide	190	9.519	9.525	-0.006	73	9758	1.25	1.28	
S 63 Diallate	86				0		1.25	1.36	
136 Octachlorostyrene	308	9.738	9.739	-0.001	88	23007	1.25	1.23	
137 Isodrin	193	9.776	9.776	0.000	90	32501	1.25	1.24	
138 Fluoranthene	202	9.915	9.920	-0.005	98	281661	1.25	1.19	
139 Benzidine	184	10.049	10.054	-0.005	99	541064	3.75	3.49	
* 140 Pyrene-d10 (IS)	212	10.113	10.118	-0.005	96	1043122	5.00	5.00	
141 Pyrene	202	10.134	10.134	0.000	96	312764	1.25	1.20	
$ 142 p-Terphenyl-d14	244	10.295	10.295	0.000	99	475170	2.50	2.42	
143 p-Dimethylamino azobenzene	225	10.434	10.434	0.000	89	49574	1.25	1.11	
144 Chlorobenzilate	139	10.487	10.487	0.000	92	67090	1.25	1.09	
145 3,3'-Dimethylbenzidine	212	10.781	10.782	-0.001	98	173335	1.25	1.08	
146 Butyl benzyl phthalate	149	10.808	10.808	0.000	94	101223	1.25	1.12	
147 2-Acetylaminofluorene	181	11.049	11.054	-0.005	90	68569	1.25	0.7922	
148 3,3'-Dichlorobenzidine	252	11.386	11.386	0.000	73	98960	1.25	1.04	
150 4,4'-Methylene bis(2-chloroani	231	11.402	11.397	0.005	93	56313	1.25	1.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.407	11.407	0.000	96	286618	1.25	1.14	
151 Chrysene	228	11.450	11.450	0.000	95	303595	1.25	1.22	
152 Bis(2-ethylhexyl) phthalate	149	11.487	11.488	-0.001	97	133429	1.25	1.01	
S 89 Aramite, Total	185		11.583				1.25	ND	
153 6-Methylchrysene	242	12.017	12.017	0.000	97	188061	1.25	1.18	
154 Di-n-octyl phthalate	149	12.349	12.349	0.000	99	176610	1.25	1.46	
156 7,12-Dimethylbenz(a)anthracene	256	12.803	12.809	-0.006	73	99328	1.25	1.03	
155 Benzo[b]fluoranthene	252	12.803	12.809	-0.006	95	261365	1.25	1.14	
157 Benzo[k]fluoranthene	252	12.846	12.846	0.000	97	295869	1.25	1.24	
158 Benzo[a]pyrene	252	13.263	13.263	0.000	77	216117	1.25	1.14	
* 159 Perylene-d12	264	13.349	13.344	0.005	98	828978	5.00	5.00	
160 3-Methylcholanthrene	268	13.782	13.782	0.000	90	104780	1.25	1.04	
161 Dibenz[a,h]acridine	279	14.590	14.595	-0.005	89	146166	1.25	1.02	Ma
162 Dibenz[a,j]acridine	279	14.665	14.675	-0.011	94	192287	1.25	1.16	Ma
163 Indeno[1,2,3-cd]pyrene	276	14.943	14.953	-0.010	97	173998	1.25	1.07	M
164 Dibenz(a,h)anthracene	278	14.996	15.002	-0.006	90	196222	1.25	1.08	
165 Benzo[g,h,i]perylene	276	15.397	15.397	0.000	95	229651	1.25	1.20	
S 166 Isosafrole	162				0		1.25	1.31	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_3_00022 Amount Added: 1.00 Units: mL

Report Date: 25-Jul-2022 18:05:53 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Injection Date: 22-Jul-2022 16:27:33 Instrument ID: HP20296 Operator ID: apb10206

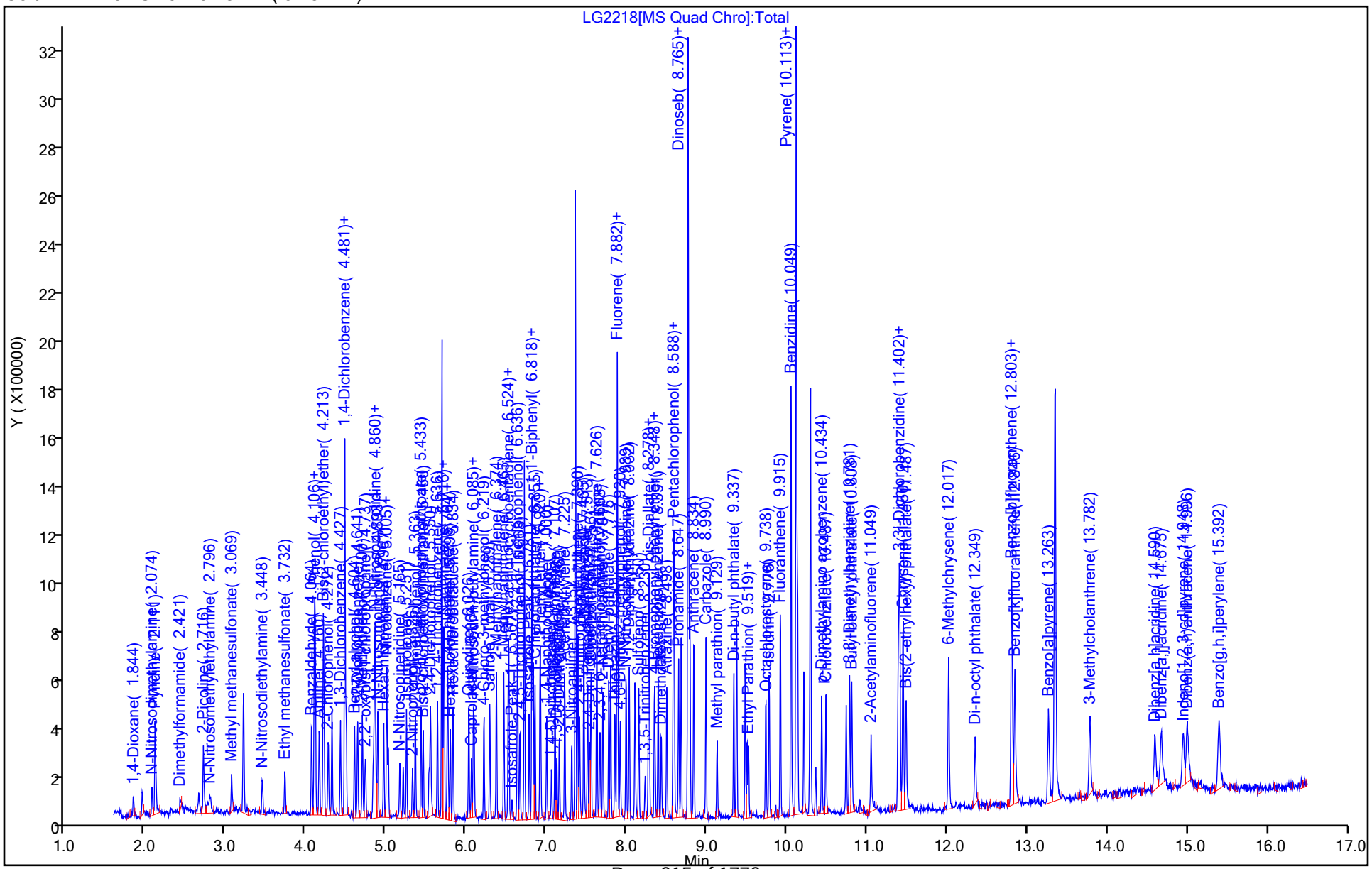
Lims ID: IC L3 Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

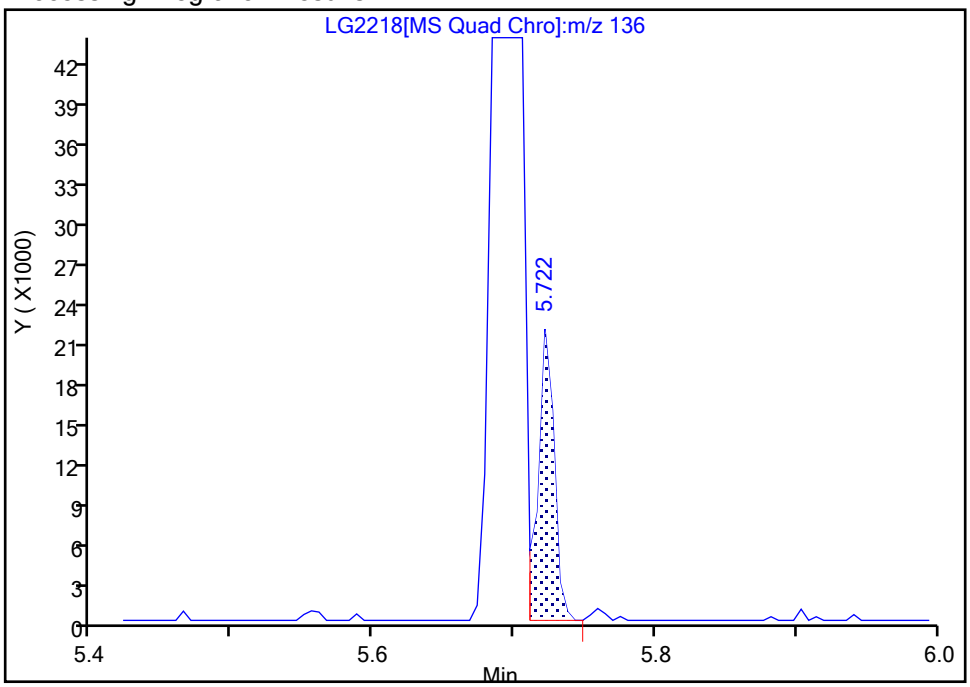
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D
Injection Date: 22-Jul-2022 16:27:33 Instrument ID: HP20296
Lims ID: IC L3
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

* 55 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

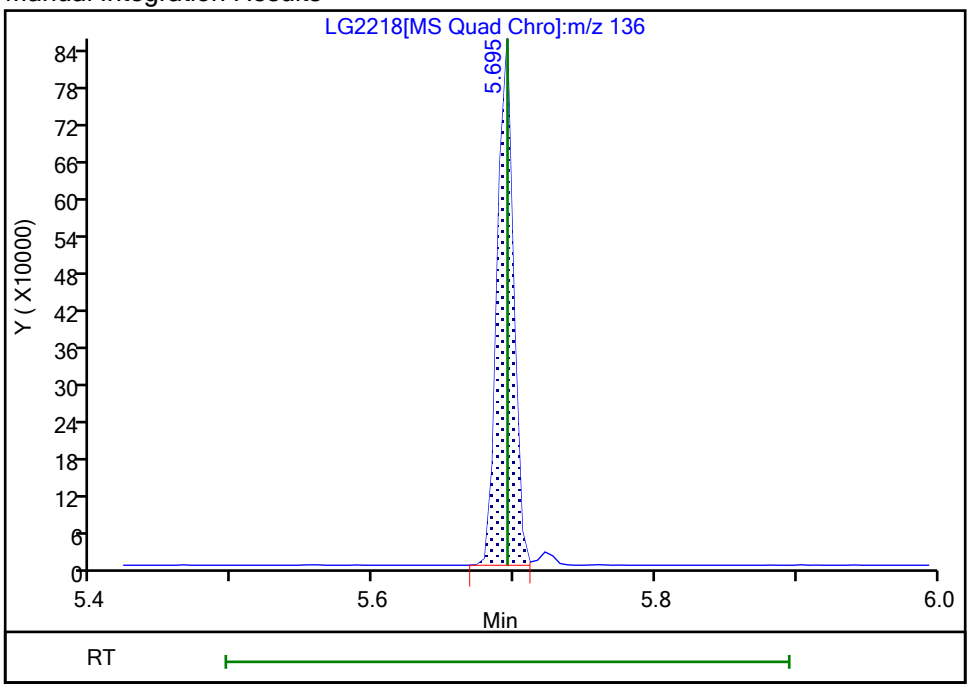
Processing Integration Results

RT: 5.72
Area: 16395
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.69
Area: 678470
Amount: 5.000000
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:12:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

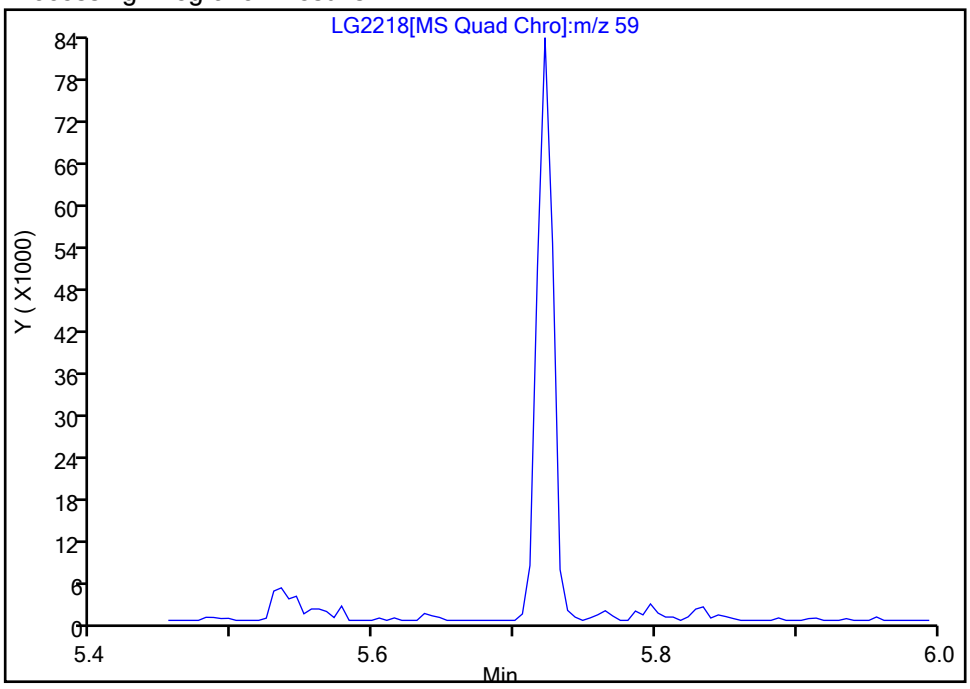
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D				
Injection Date:	22-Jul-2022 16:27:33	Instrument ID:	HP20296		
Lims ID:	IC L3				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

26 Alpha-Terpineol, CAS: 98-55-5

Signal: 1

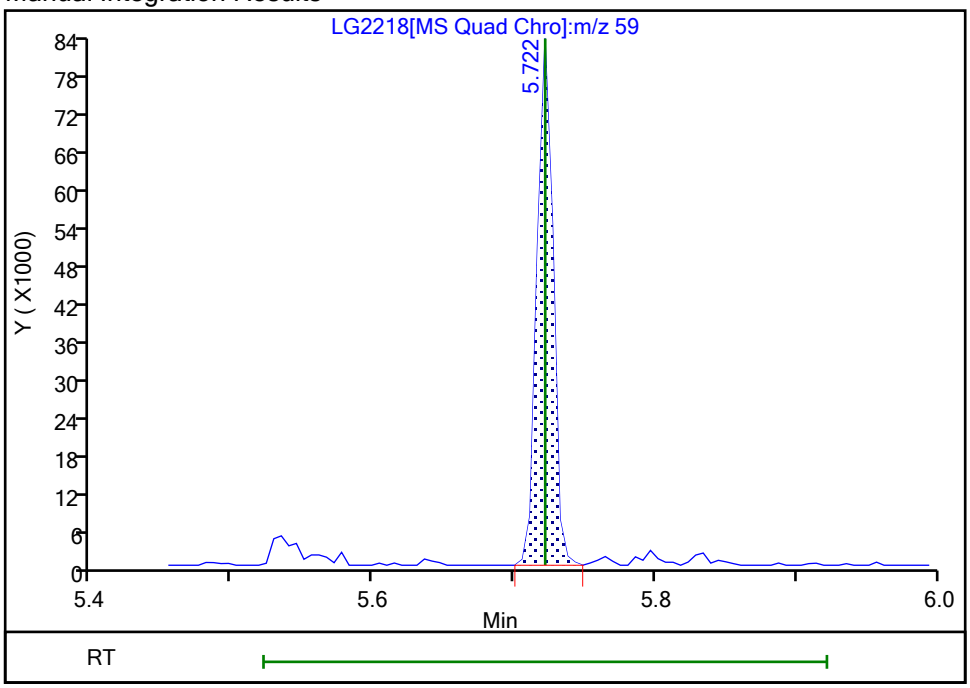
Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results

RT: 5.72
Area: 66177
Amount: 1.241388
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:12:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

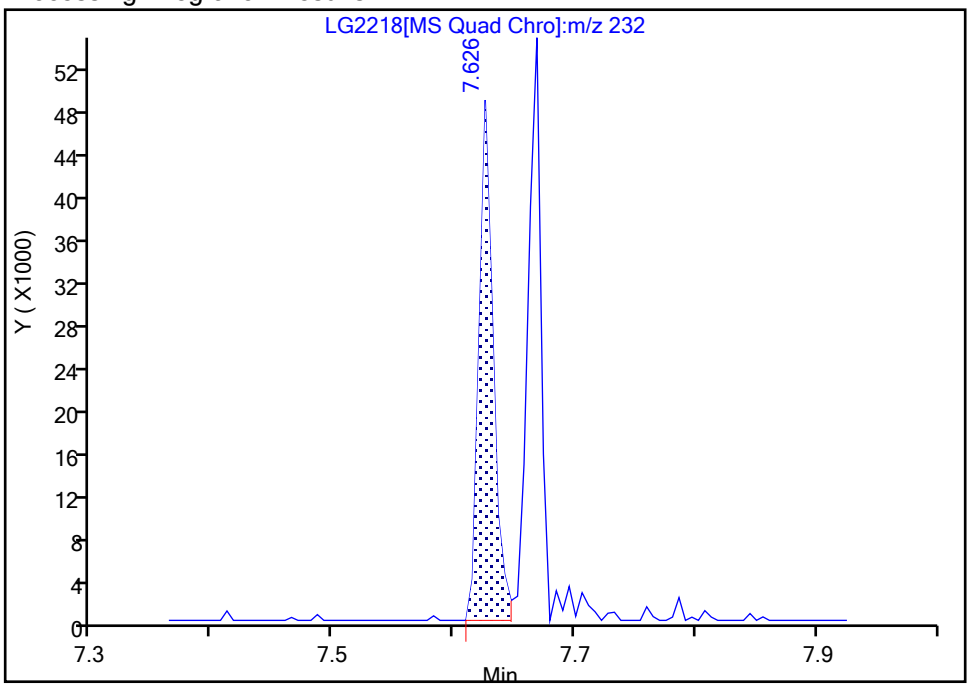
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D				
Injection Date:	22-Jul-2022 16:27:33	Instrument ID:	HP20296		
Lims ID:	IC L3				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

102 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

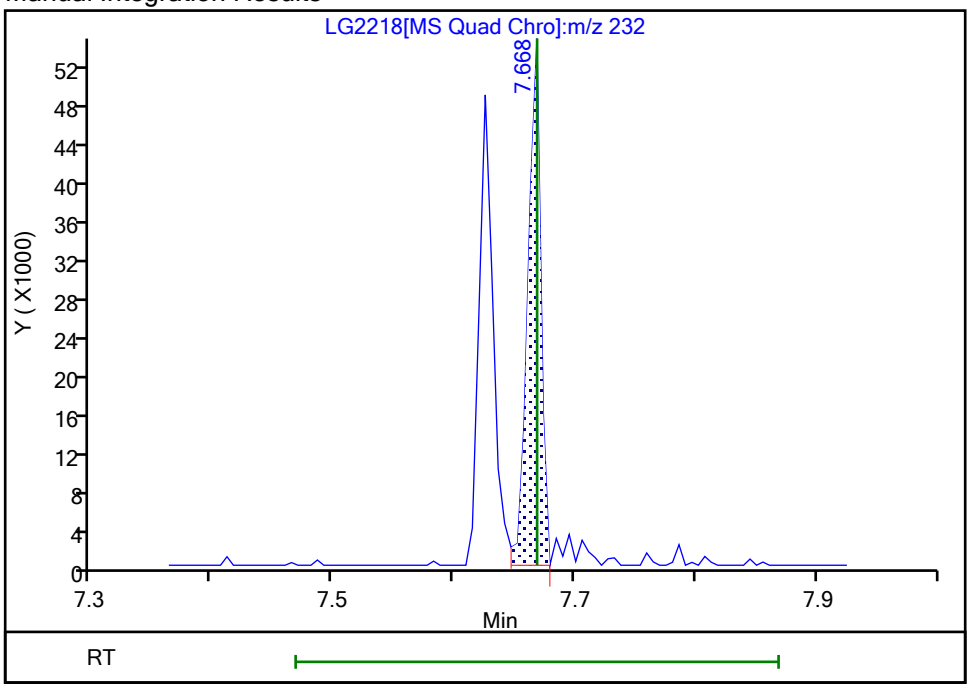
Processing Integration Results

RT: 7.63
Area: 40110
Amount: 1.110730
Amount Units: ug/ml



Manual Integration Results

RT: 7.67
Area: 40929
Amount: 1.140679
Amount Units: ug/ml



Reviewer: P7EB, 25-Jul-2022 14:46:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

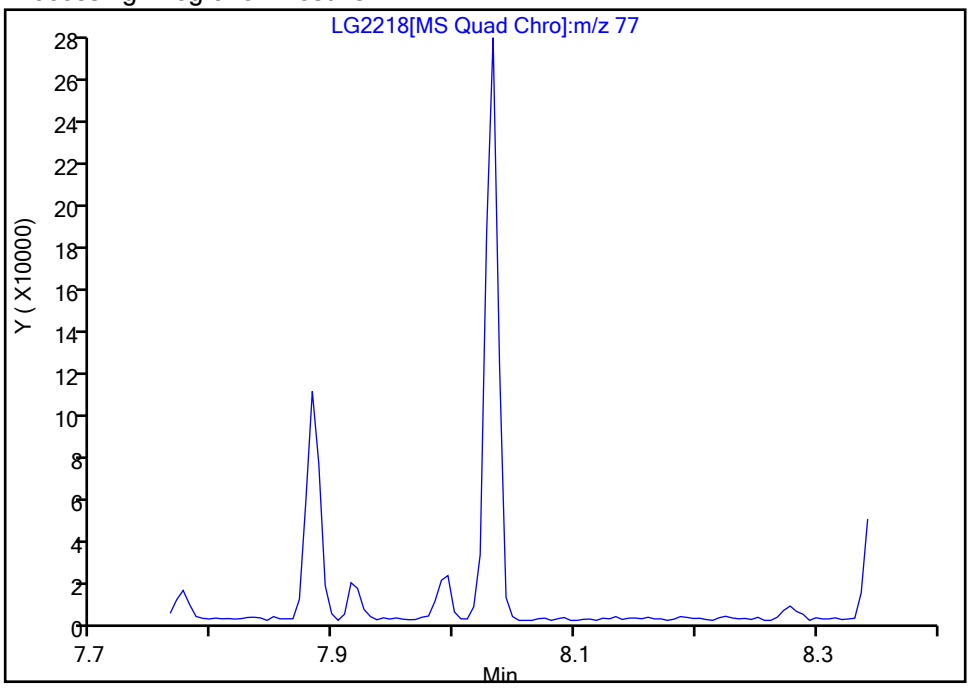
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D				
Injection Date:	22-Jul-2022 16:27:33	Instrument ID:	HP20296		
Lims ID:	IC L3				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

112 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

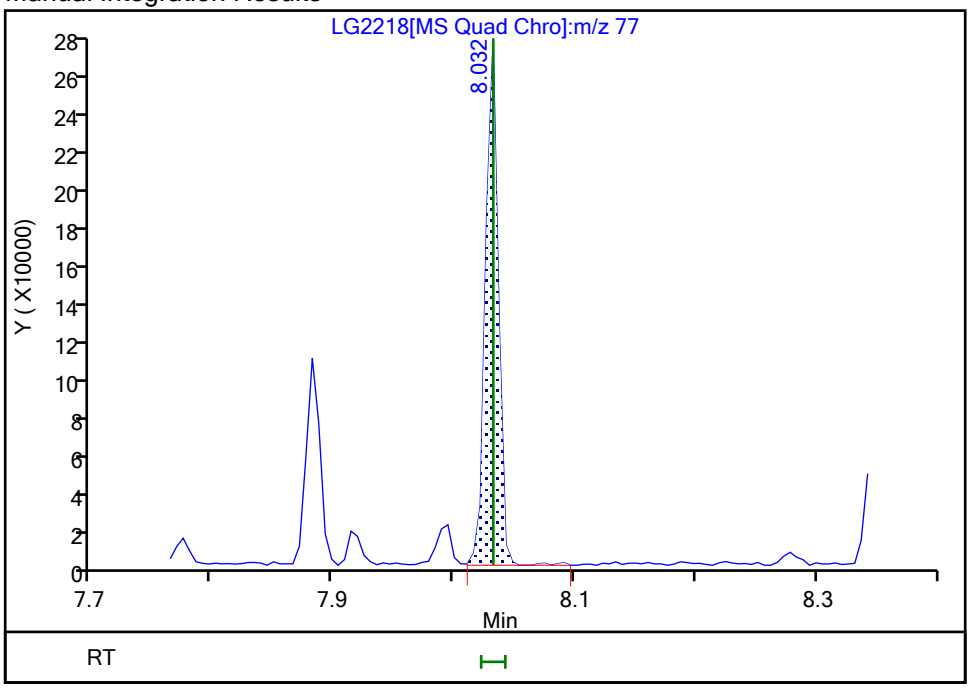
Not Detected
Expected RT: 8.03

Processing Integration Results



Manual Integration Results

RT: 8.03
Area: 204447
Amount: 1.304671
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:12:51
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

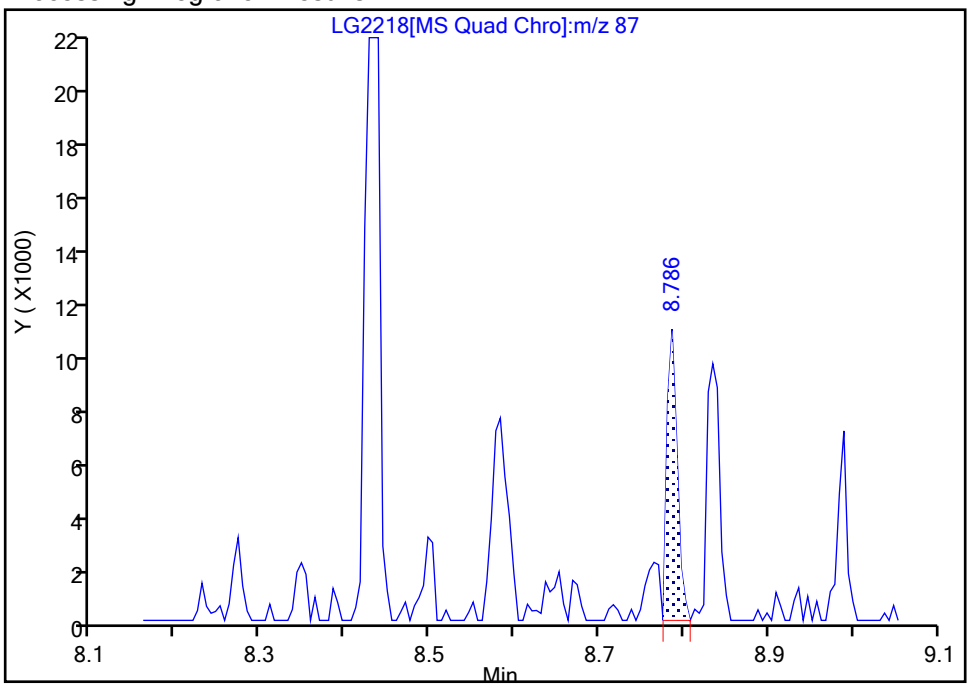
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D				
Injection Date:	22-Jul-2022 16:27:33	Instrument ID:	HP20296		
Lims ID:	IC L3				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

121 Dimethoate, CAS: 60-51-5

Signal: 1

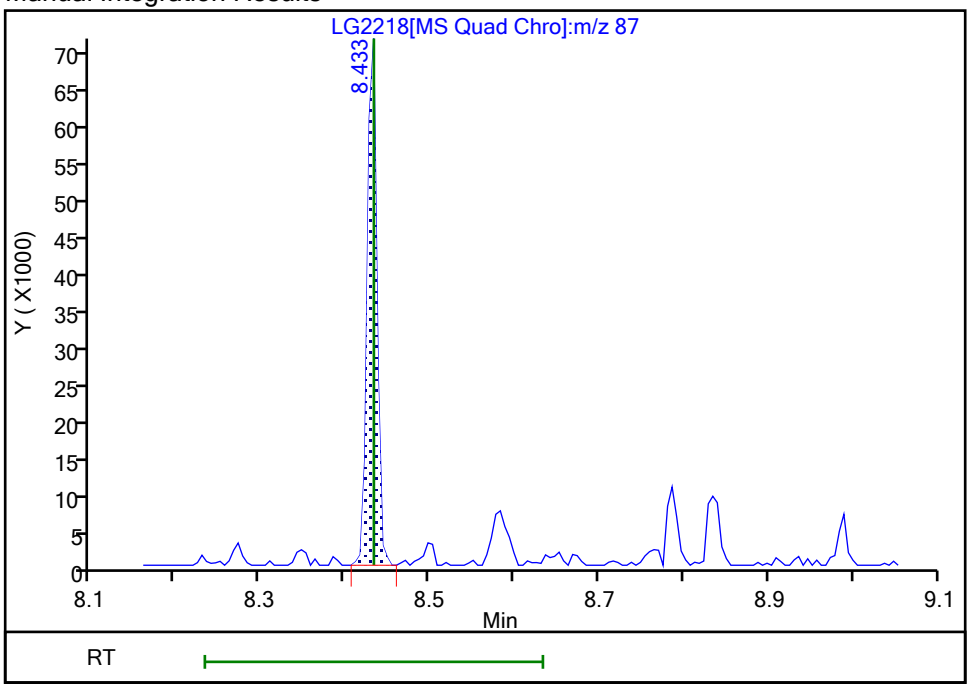
Processing Integration Results

RT: 8.79
Area: 8978
Amount: 0.200216
Amount Units: ug/ml



Manual Integration Results

RT: 8.43
Area: 57140
Amount: 1.151781
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:12:58

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

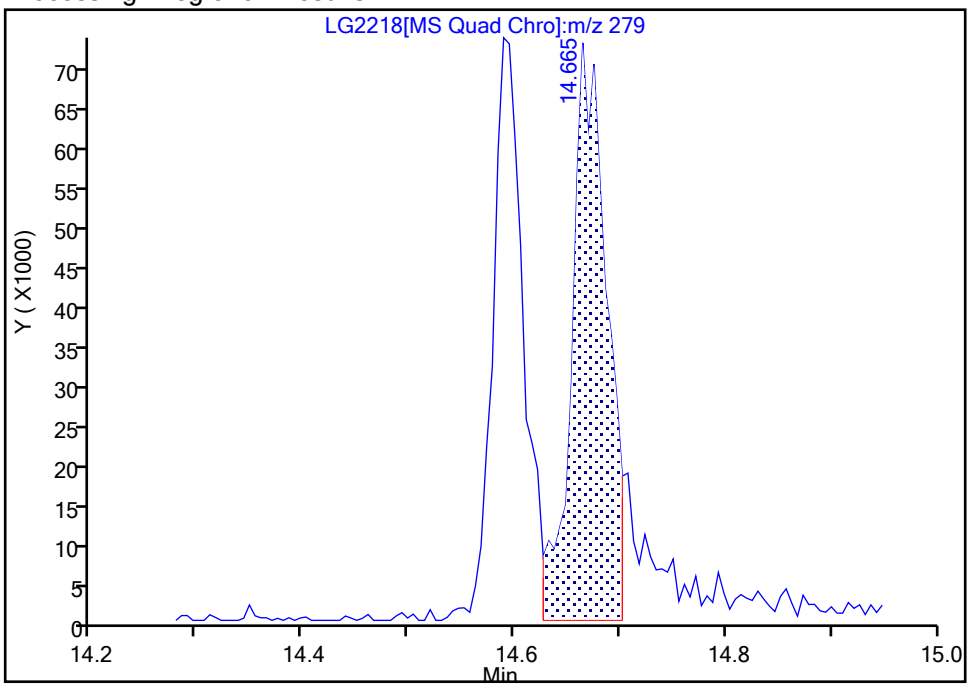
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D
Injection Date: 22-Jul-2022 16:27:33 Instrument ID: HP20296
Lims ID: IC L3
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

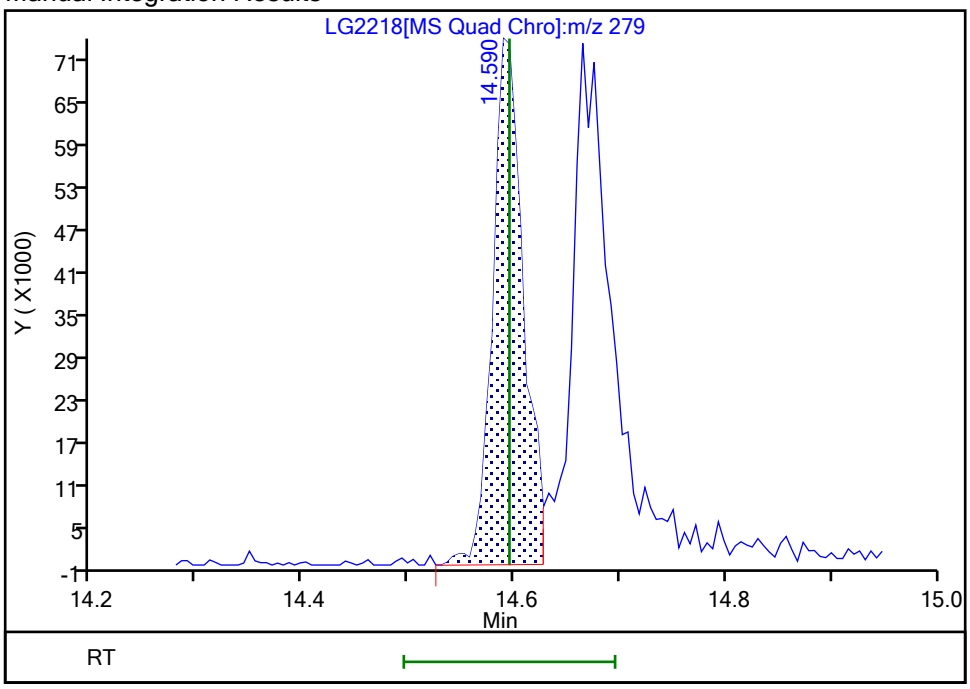
Processing Integration Results

RT: 14.66
Area: 163474
Amount: 1.055398
Amount Units: ug/ml



Manual Integration Results

RT: 14.59
Area: 146166
Amount: 1.022705
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:13:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

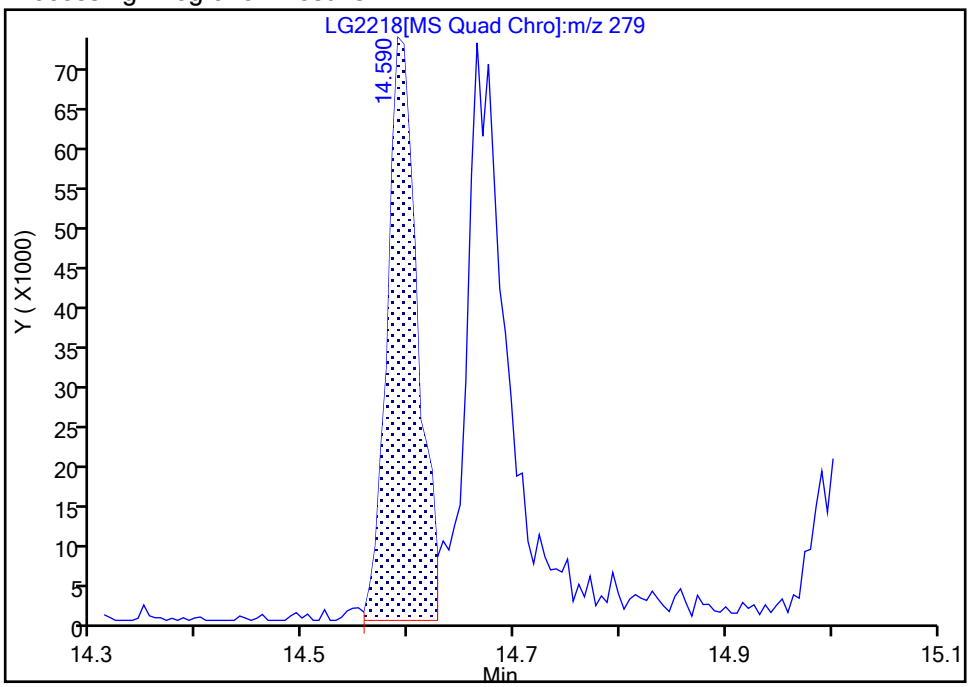
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D
Injection Date: 22-Jul-2022 16:27:33 Instrument ID: HP20296
Lims ID: IC L3
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

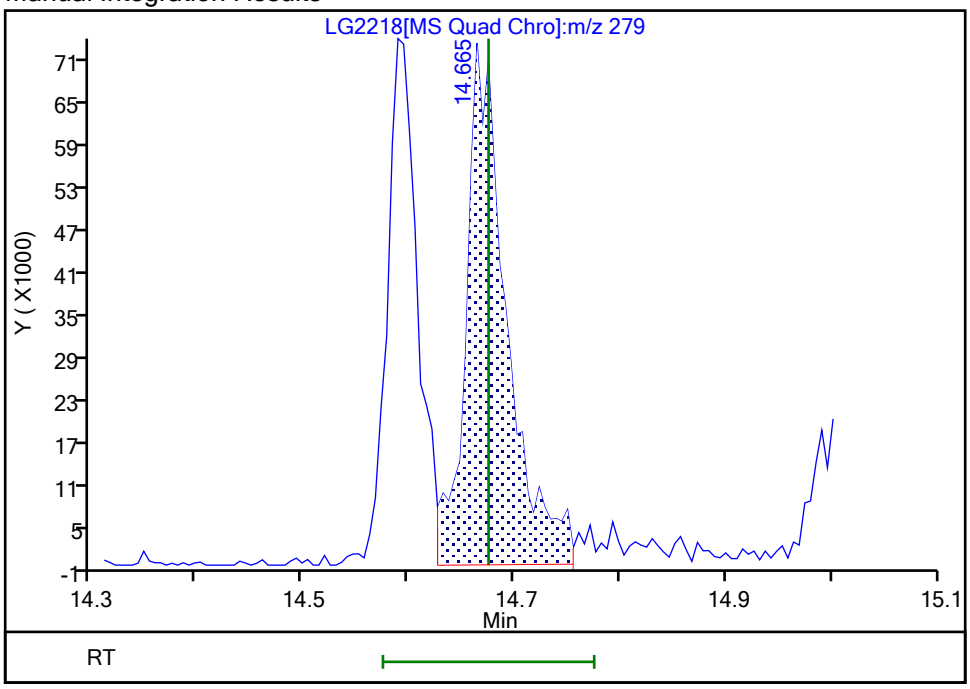
Processing Integration Results

RT: 14.59
Area: 144669
Amount: 1.283296
Amount Units: ug/ml



Manual Integration Results

RT: 14.66
Area: 192287
Amount: 1.157309
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 14:12:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

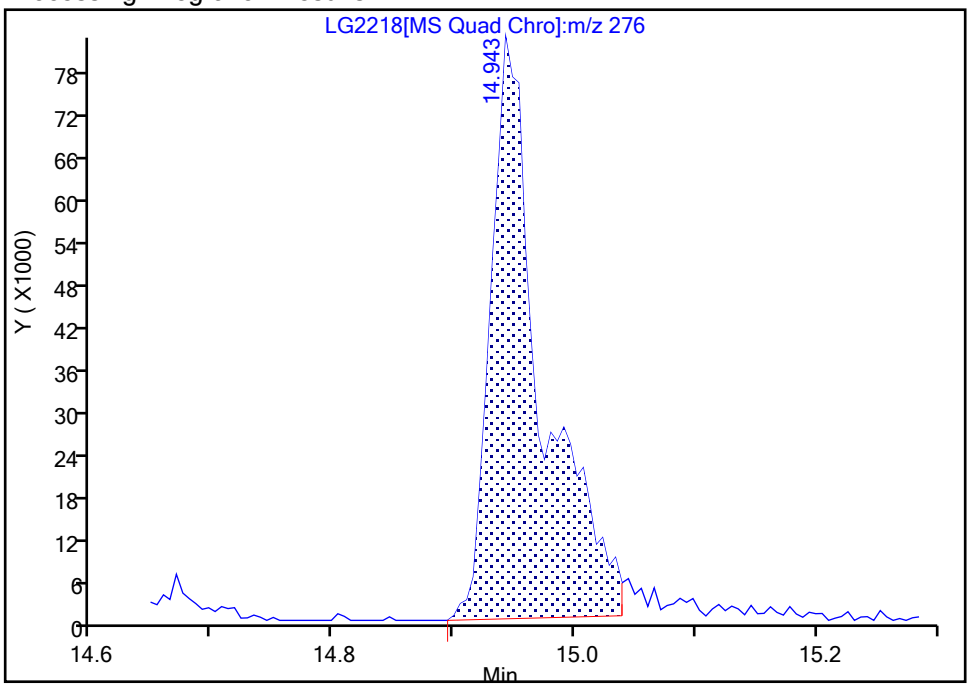
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D				
Injection Date:	22-Jul-2022 16:27:33	Instrument ID:	HP20296		
Lims ID:	IC L3				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

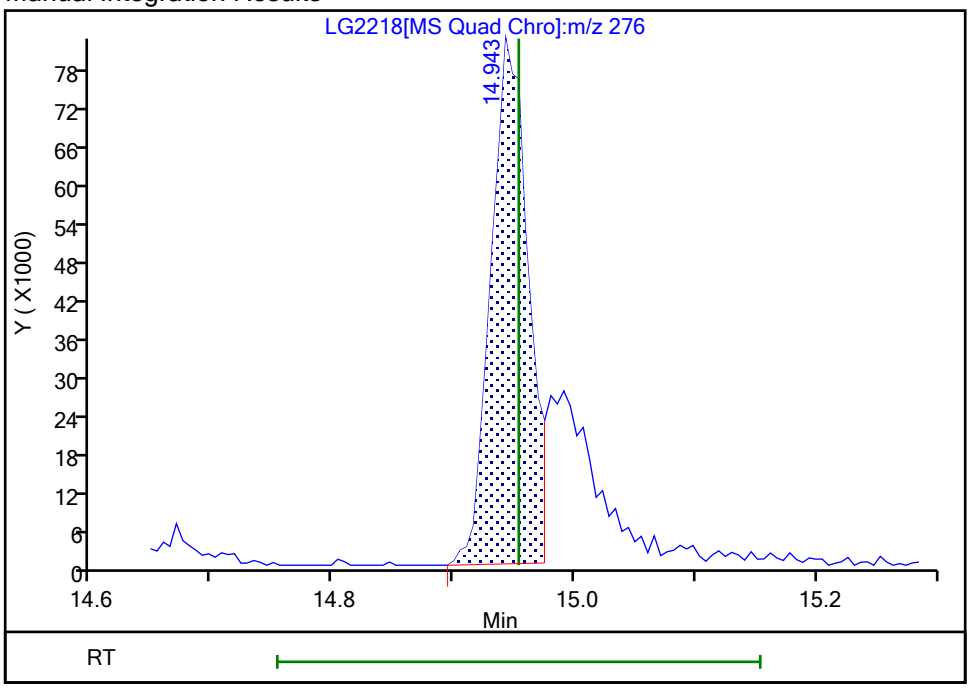
Processing Integration Results

RT: 14.94
Area: 240825
Amount: 1.421727
Amount Units: ug/ml



Manual Integration Results

RT: 14.94
Area: 173998
Amount: 1.069399
Amount Units: ug/ml



Reviewer: bauera, 23-Jul-2022 08:58:56
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Calibration / 1,4-Dioxane

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

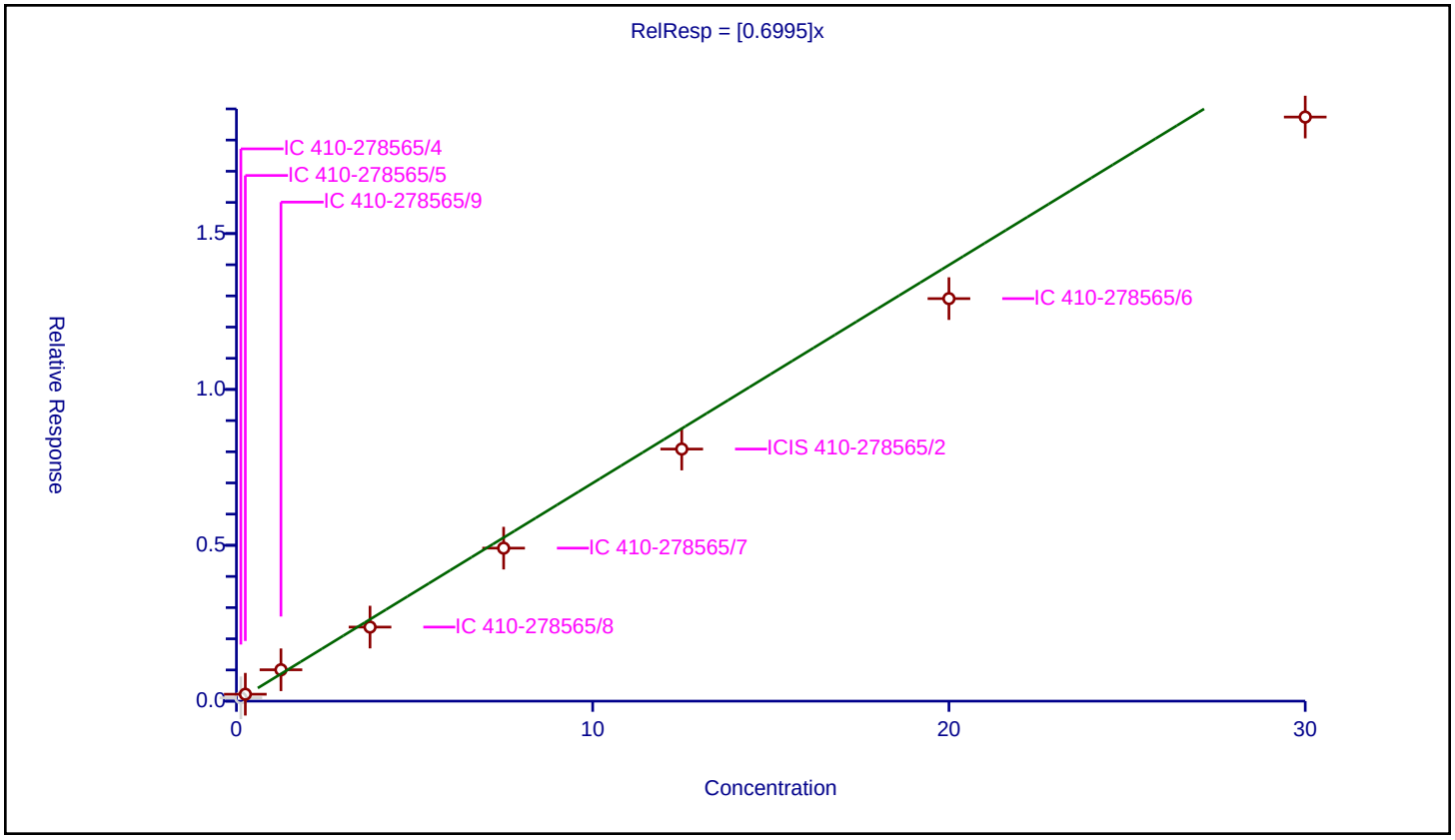
Curve Coefficients

Intercept:	0
Slope:	0.6995

Error Coefficients

Standard Error:	324000
Relative Standard Error:	14.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.106833	5.0	187535.0	0.854667	N
2	IC 410-278565/5	0.25	0.221554	5.0	184921.0	0.886216	Y
3	IC 410-278565/9	1.25	1.006408	5.0	182272.0	0.805126	Y
4	IC 410-278565/8	3.75	2.375977	5.0	191517.0	0.633594	Y
5	IC 410-278565/7	7.5	4.908268	5.0	184124.0	0.654436	Y
6	ICIS 410-278565/2	12.5	8.086807	5.0	163248.0	0.646945	Y
7	IC 410-278565/6	20.0	12.913687	5.0	143490.0	0.645684	Y
8	IC 410-278565/3	30.0	18.738135	5.0	164241.0	0.624604	Y



Calibration / N-Nitrosodimethylamine

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

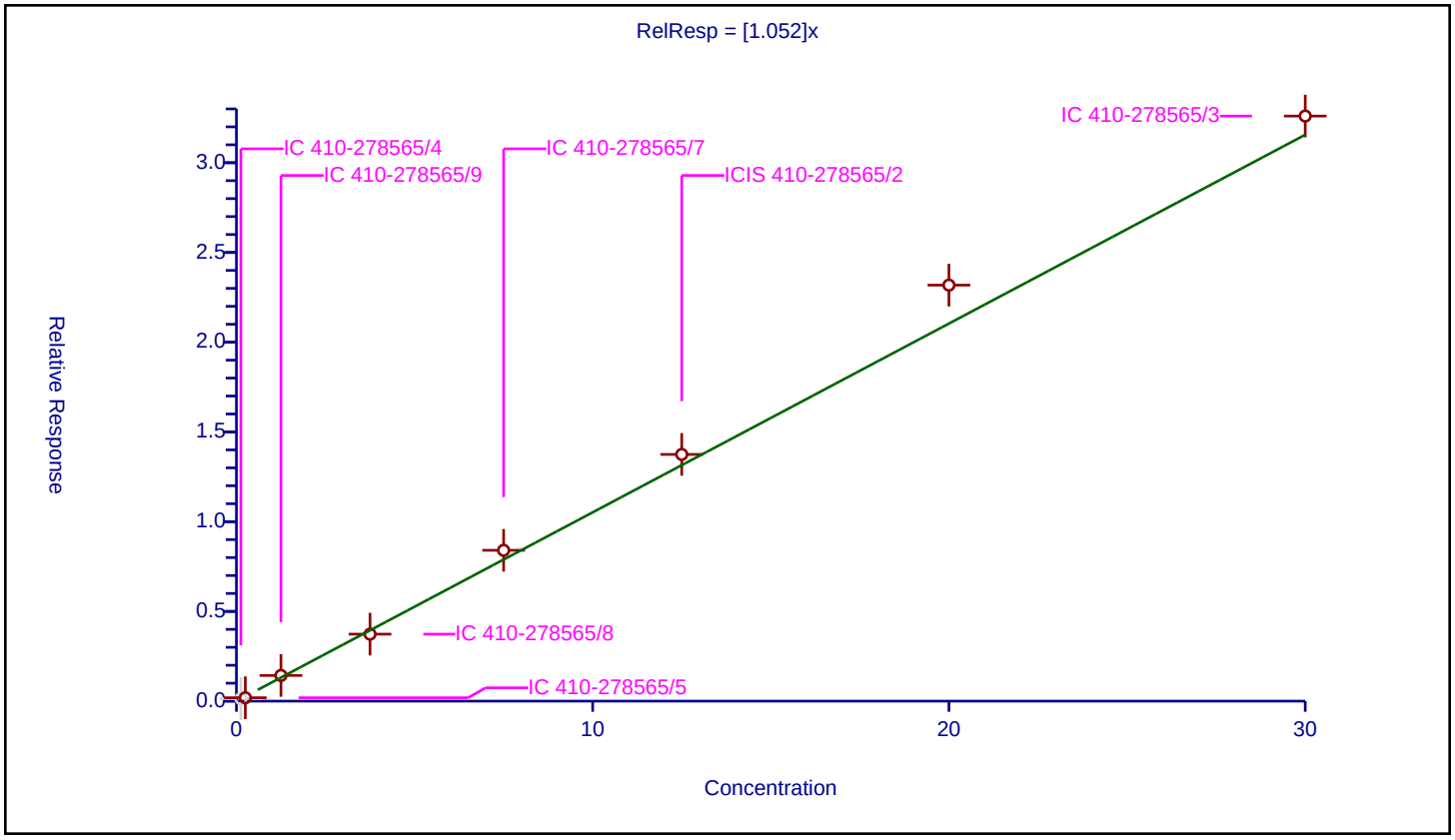
Curve Coefficients

Intercept:	0
Slope:	1.052

Error Coefficients

Standard Error:	564000
Relative Standard Error:	13.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.1416	5.0	187535.0	1.132802	N
2	IC 410-278565/5	0.25	0.189027	5.0	184921.0	0.756107	Y
3	IC 410-278565/9	1.25	1.431816	5.0	182272.0	1.145453	Y
4	IC 410-278565/8	3.75	3.733481	5.0	191517.0	0.995595	Y
5	IC 410-278565/7	7.5	8.405504	5.0	184124.0	1.120734	Y
6	ICIS 410-278565/2	12.5	13.747856	5.0	163248.0	1.099828	Y
7	IC 410-278565/6	20.0	23.180256	5.0	143490.0	1.159013	Y
8	IC 410-278565/3	30.0	32.601147	5.0	164241.0	1.086705	Y



Calibration / Pyridine

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

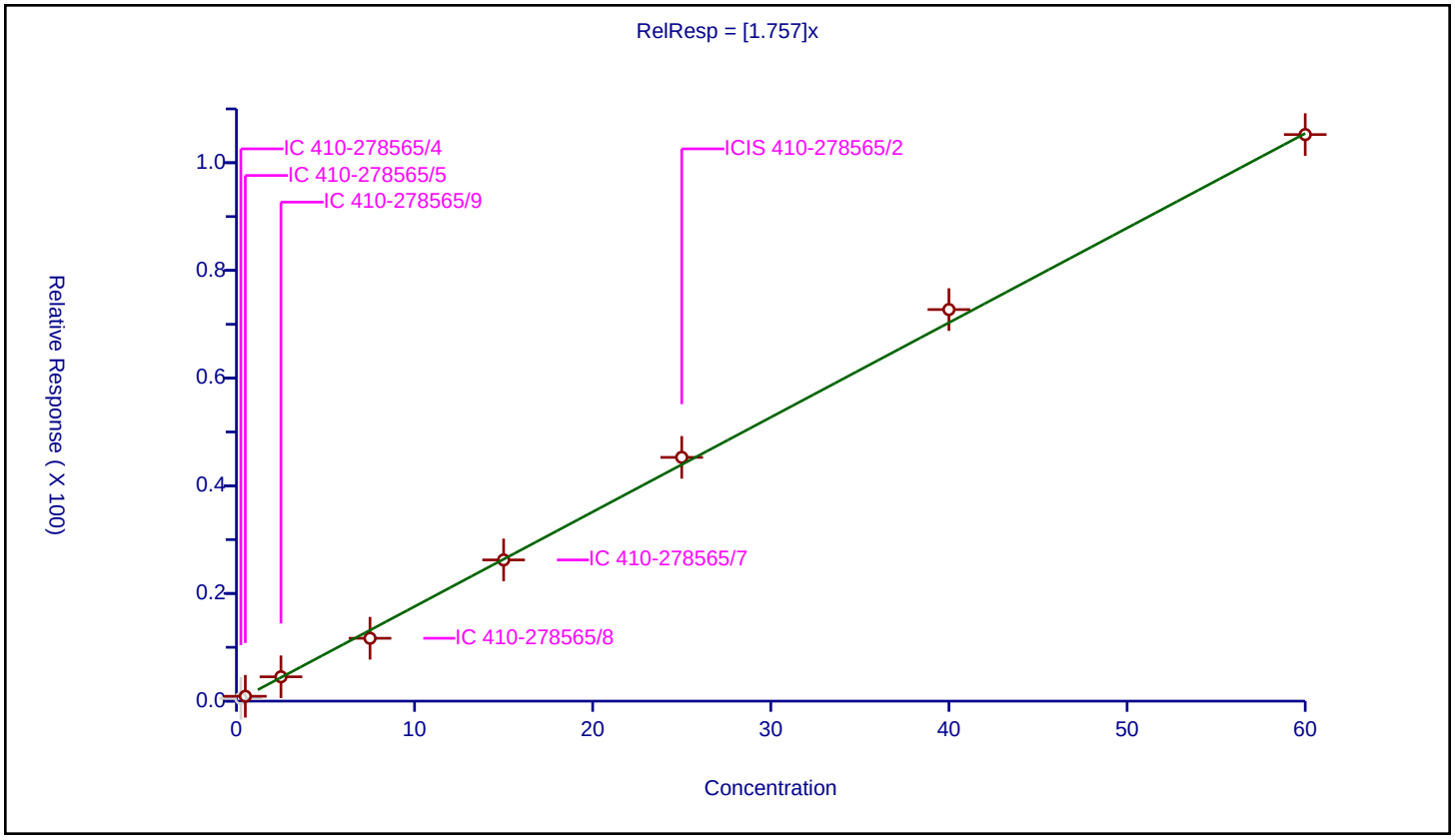
Curve Coefficients

Intercept:	0
Slope:	1.757

Error Coefficients

Standard Error:	1810000
Relative Standard Error:	5.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.25	0.513318	5.0	187535.0	2.05327	N
2	IC 410-278565/5	0.5	0.903169	5.0	184921.0	1.806339	Y
3	IC 410-278565/9	2.5	4.518439	5.0	182272.0	1.807376	Y
4	IC 410-278565/8	7.5	11.676953	5.0	191517.0	1.556927	Y
5	IC 410-278565/7	15.0	26.224256	5.0	184124.0	1.748284	Y
6	ICIS 410-278565/2	25.0	45.277094	5.0	163248.0	1.811084	Y
7	IC 410-278565/6	40.0	72.729493	5.0	143490.0	1.818237	Y
8	IC 410-278565/3	60.0	105.230637	5.0	164241.0	1.753844	Y



Calibration / Dimethylformamide

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

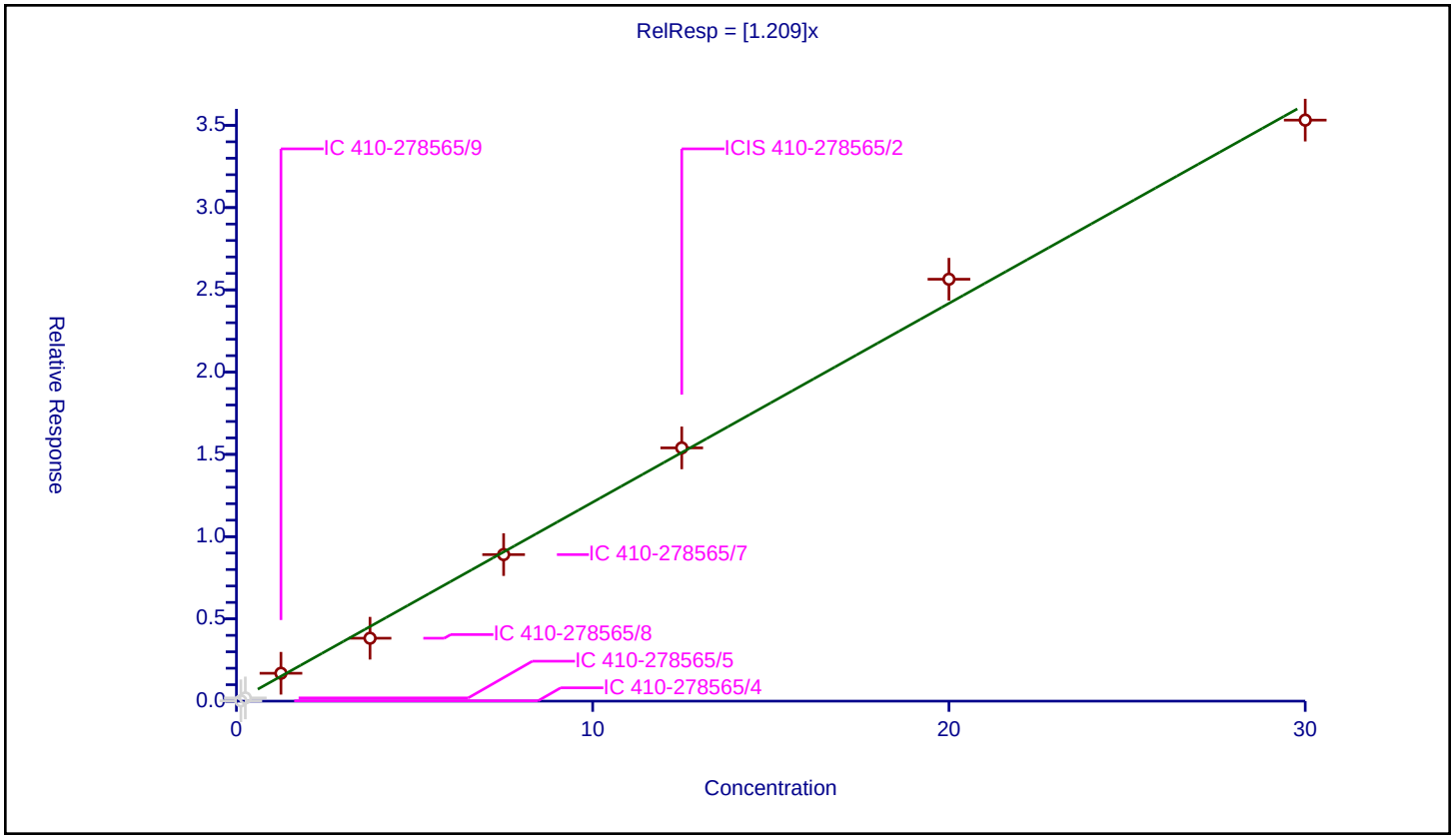
Curve Coefficients

Intercept:	0
Slope:	1.209

Error Coefficients

Standard Error:	674000
Relative Standard Error:	9.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.020983	5.0	187535.0	0.167862	N
2	IC 410-278565/5	0.25	0.194543	5.0	184921.0	0.77817	N
3	IC 410-278565/9	1.25	1.693924	5.0	182272.0	1.35514	Y
4	IC 410-278565/8	3.75	3.82423	5.0	191517.0	1.019795	Y
5	IC 410-278565/7	7.5	8.907828	5.0	184124.0	1.18771	Y
6	ICIS 410-278565/2	12.5	15.393726	5.0	163248.0	1.231498	Y
7	IC 410-278565/6	20.0	25.645968	5.0	143490.0	1.282298	Y
8	IC 410-278565/3	30.0	35.317856	5.0	164241.0	1.177262	Y



Calibration / 2-Picoline

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

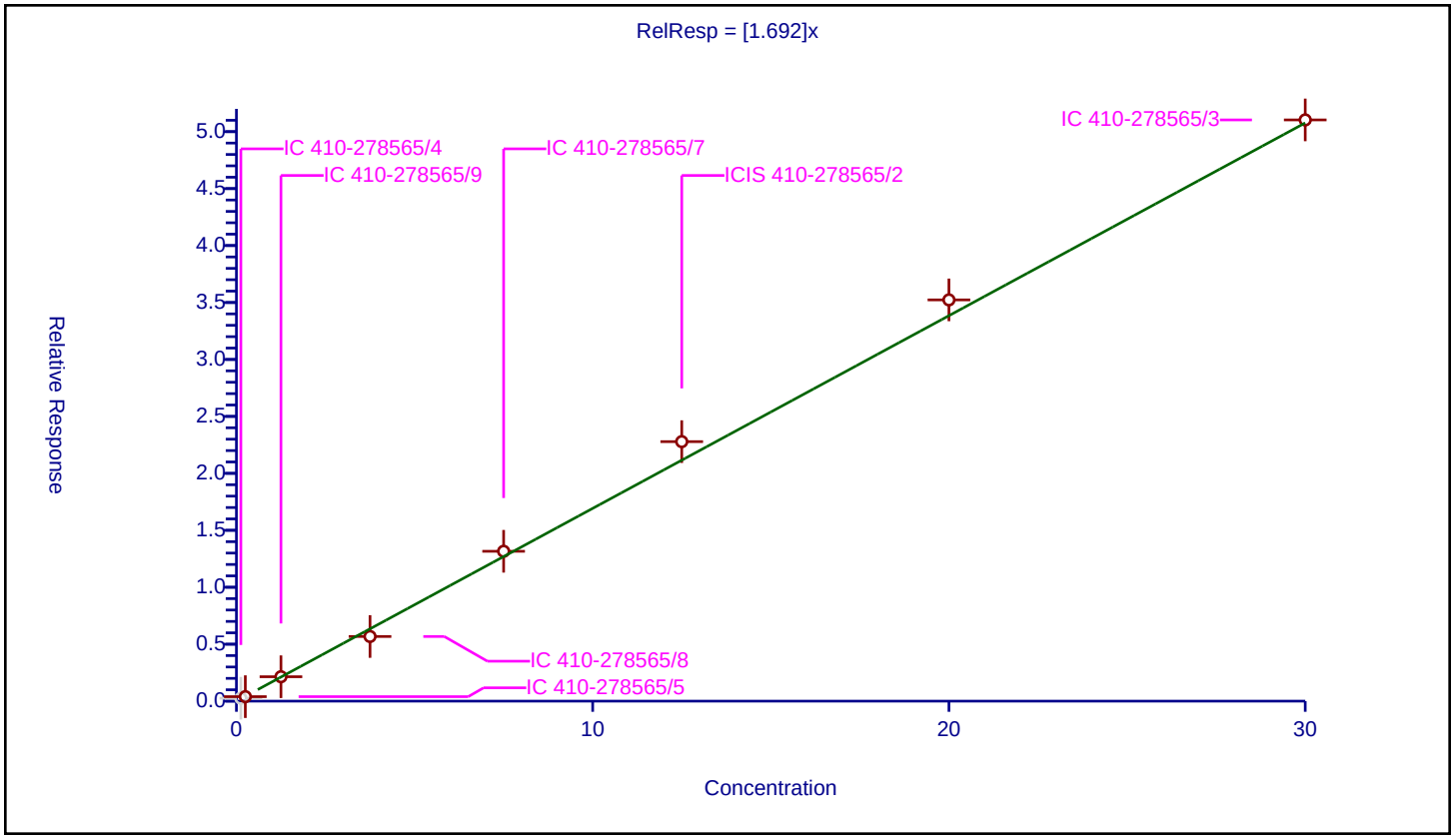
Curve Coefficients

Intercept:	0
Slope:	1.692

Error Coefficients

Standard Error:	883000
Relative Standard Error:	6.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.257019	5.0	187535.0	2.05615	N
2	IC 410-278565/5	0.25	0.394655	5.0	184921.0	1.57862	Y
3	IC 410-278565/9	1.25	2.142403	5.0	182272.0	1.713922	Y
4	IC 410-278565/8	3.75	5.677094	5.0	191517.0	1.513892	Y
5	IC 410-278565/7	7.5	13.158035	5.0	184124.0	1.754405	Y
6	ICIS 410-278565/2	12.5	22.784077	5.0	163248.0	1.822726	Y
7	IC 410-278565/6	20.0	35.229702	5.0	143490.0	1.761485	Y
8	IC 410-278565/3	30.0	51.030711	5.0	164241.0	1.701024	Y



Calibration / N-Nitrosomethylethylamine

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

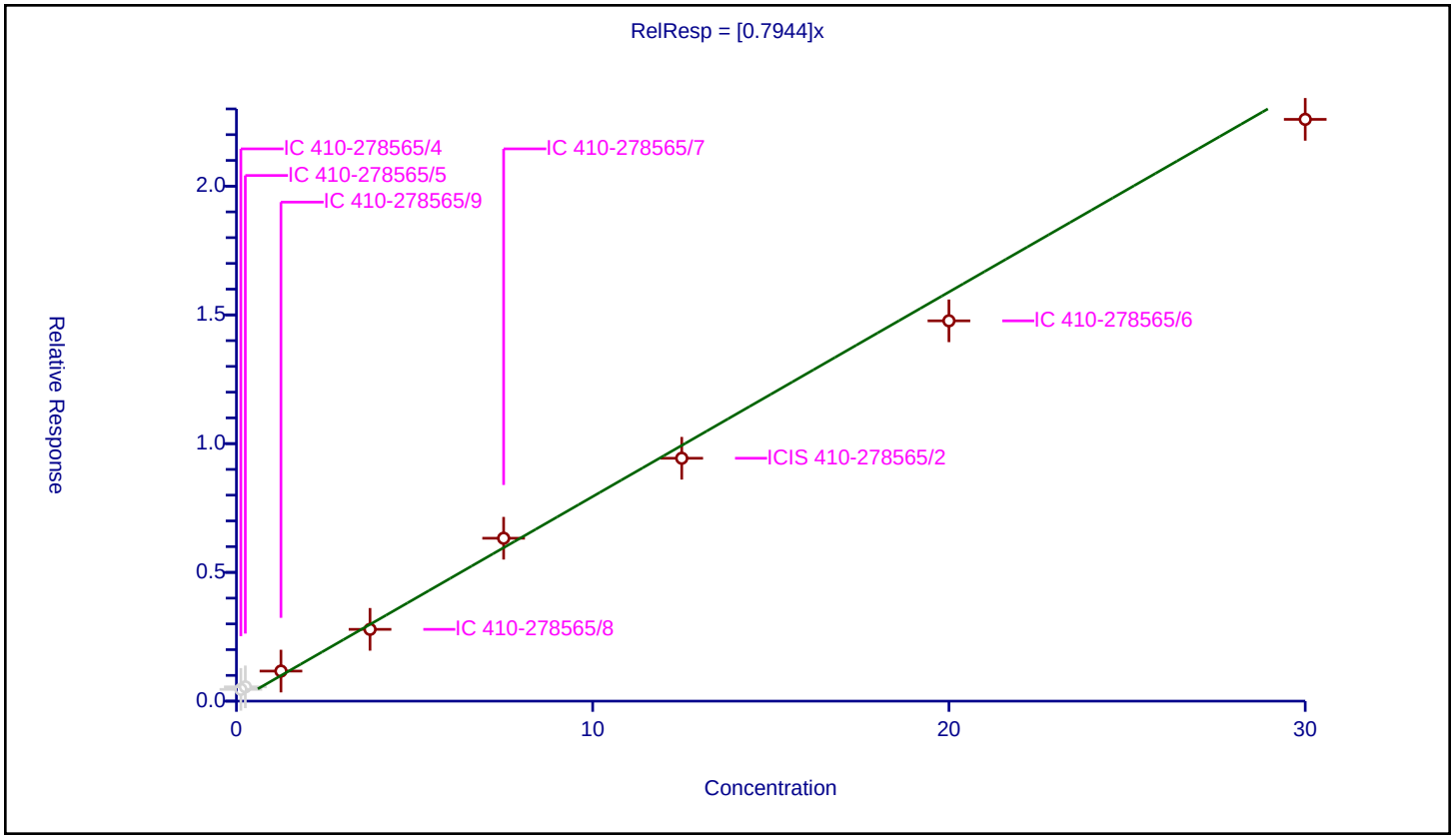
Curve Coefficients

Intercept:	0
Slope:	0.7944

Error Coefficients

Standard Error:	423000
Relative Standard Error:	9.9
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.457061	5.0	187535.0	3.656491	N
2	IC 410-278565/5	0.25	0.555372	5.0	184921.0	2.221489	N
3	IC 410-278565/9	1.25	1.166745	5.0	182272.0	0.933396	Y
4	IC 410-278565/8	3.75	2.787925	5.0	191517.0	0.743447	Y
5	IC 410-278565/7	7.5	6.326009	5.0	184124.0	0.843468	Y
6	ICIS 410-278565/2	12.5	9.432887	5.0	163248.0	0.754631	Y
7	IC 410-278565/6	20.0	14.770158	5.0	143490.0	0.738508	Y
8	IC 410-278565/3	30.0	22.593689	5.0	164241.0	0.753123	Y



Calibration / Methyl methanesulfonate

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

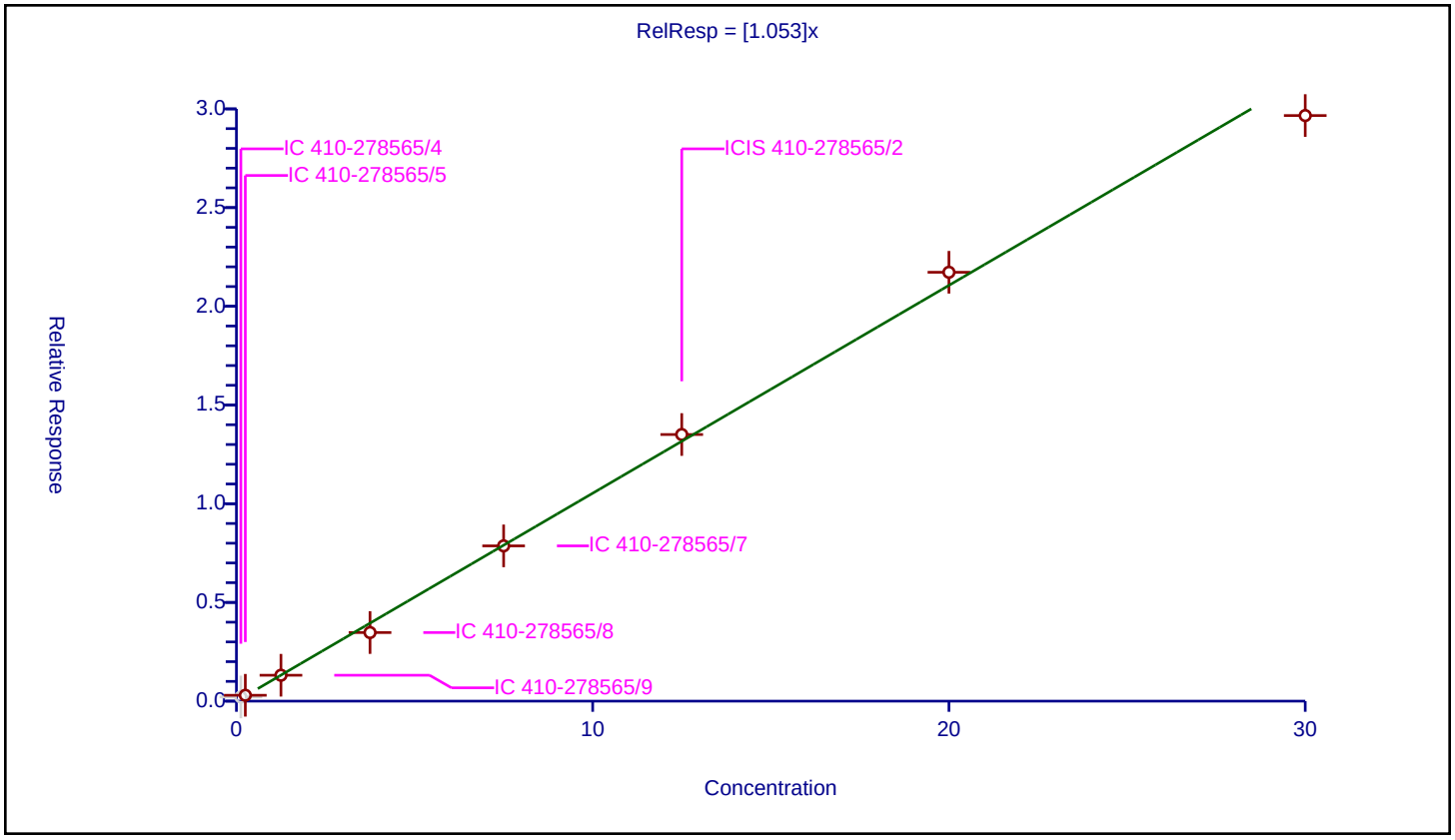
Curve Coefficients

Intercept:	0
Slope:	1.053

Error Coefficients

Standard Error:	522000
Relative Standard Error:	7.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.211054	5.0	187535.0	1.688431	N
2	IC 410-278565/5	0.25	0.297938	5.0	184921.0	1.191752	Y
3	IC 410-278565/9	1.25	1.311639	5.0	182272.0	1.049311	Y
4	IC 410-278565/8	3.75	3.4746	5.0	191517.0	0.92656	Y
5	IC 410-278565/7	7.5	7.865216	5.0	184124.0	1.048695	Y
6	ICIS 410-278565/2	12.5	13.505556	5.0	163248.0	1.080444	Y
7	IC 410-278565/6	20.0	21.723779	5.0	143490.0	1.086189	Y
8	IC 410-278565/3	30.0	29.662082	5.0	164241.0	0.988736	Y



Calibration / 2-Fluorophenol

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

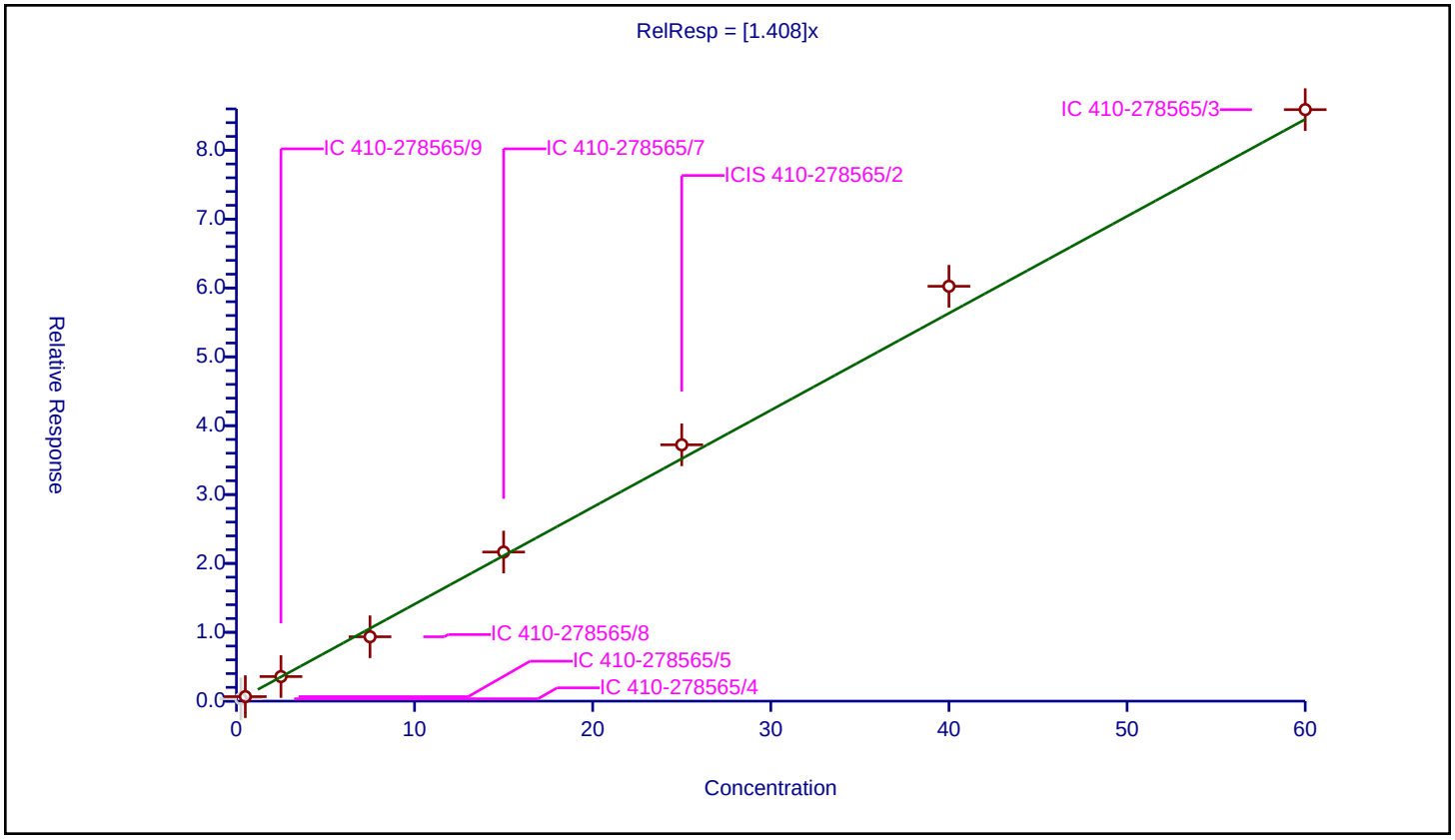
Curve Coefficients

Intercept:	0
Slope:	1.408

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	6.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.25	0.345775	5.0	187535.0	1.383102	N
2	IC 410-278565/5	0.5	0.656605	5.0	184921.0	1.313209	Y
3	IC 410-278565/9	2.5	3.568156	5.0	182272.0	1.427263	Y
4	IC 410-278565/8	7.5	9.350005	5.0	191517.0	1.246667	Y
5	IC 410-278565/7	15.0	21.649432	5.0	184124.0	1.443295	Y
6	ICIS 410-278565/2	25.0	37.223519	5.0	163248.0	1.488941	Y
7	IC 410-278565/6	40.0	60.243676	5.0	143490.0	1.506092	Y
8	IC 410-278565/3	60.0	85.892834	5.0	164241.0	1.431547	Y



Calibration / N-Nitrosodiethylamine

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

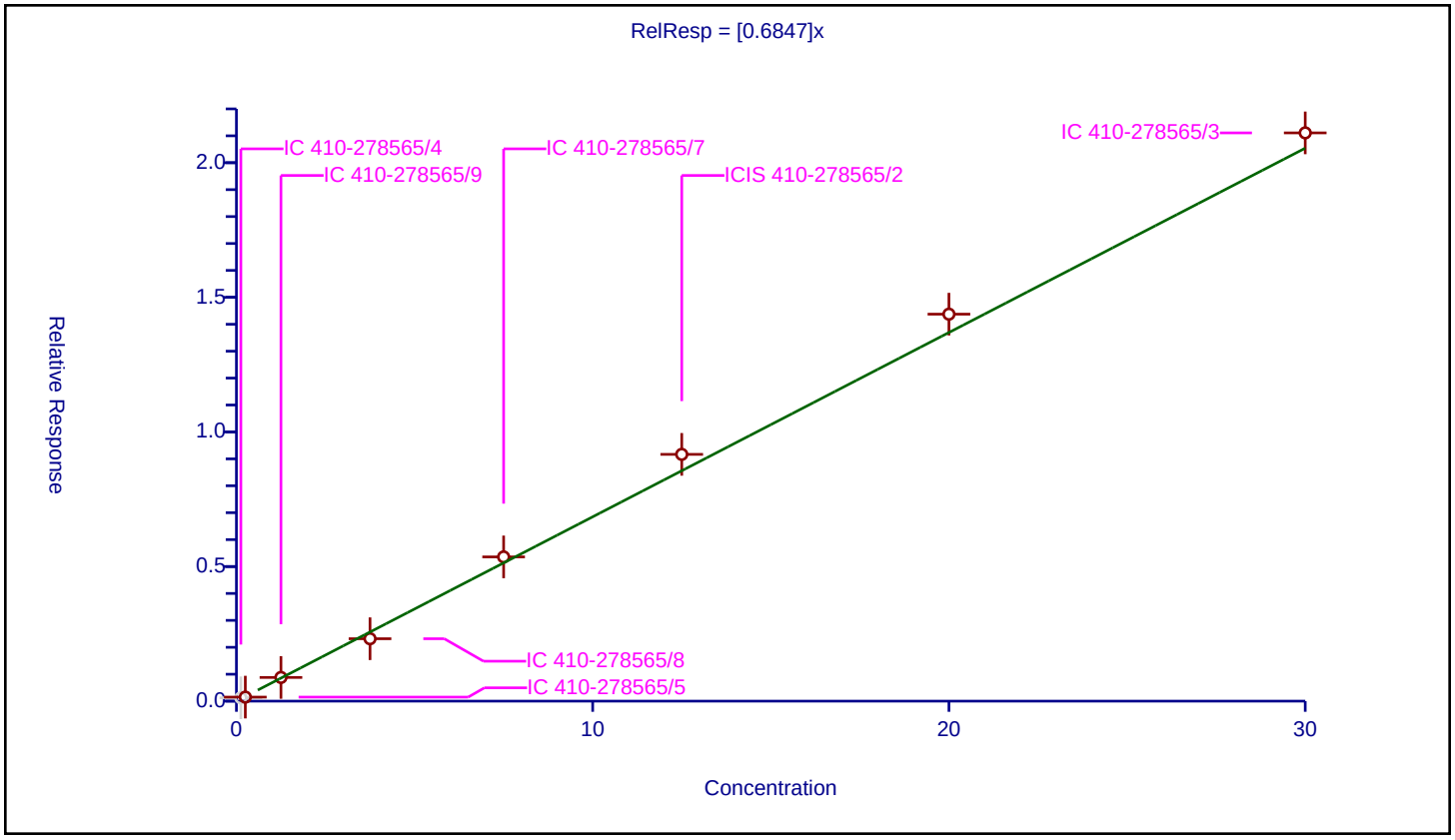
Curve Coefficients

Intercept:	0
Slope:	0.6847

Error Coefficients

Standard Error:	362000
Relative Standard Error:	7.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.123924	5.0	187535.0	0.991388	N
2	IC 410-278565/5	0.25	0.150064	5.0	184921.0	0.600256	Y
3	IC 410-278565/9	1.25	0.88025	5.0	182272.0	0.7042	Y
4	IC 410-278565/8	3.75	2.318149	5.0	191517.0	0.618173	Y
5	IC 410-278565/7	7.5	5.357476	5.0	184124.0	0.71433	Y
6	ICIS 410-278565/2	12.5	9.167432	5.0	163248.0	0.733395	Y
7	IC 410-278565/6	20.0	14.374591	5.0	143490.0	0.71873	Y
8	IC 410-278565/3	30.0	21.109041	5.0	164241.0	0.703635	Y



Calibration / Ethyl methanesulfonate

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

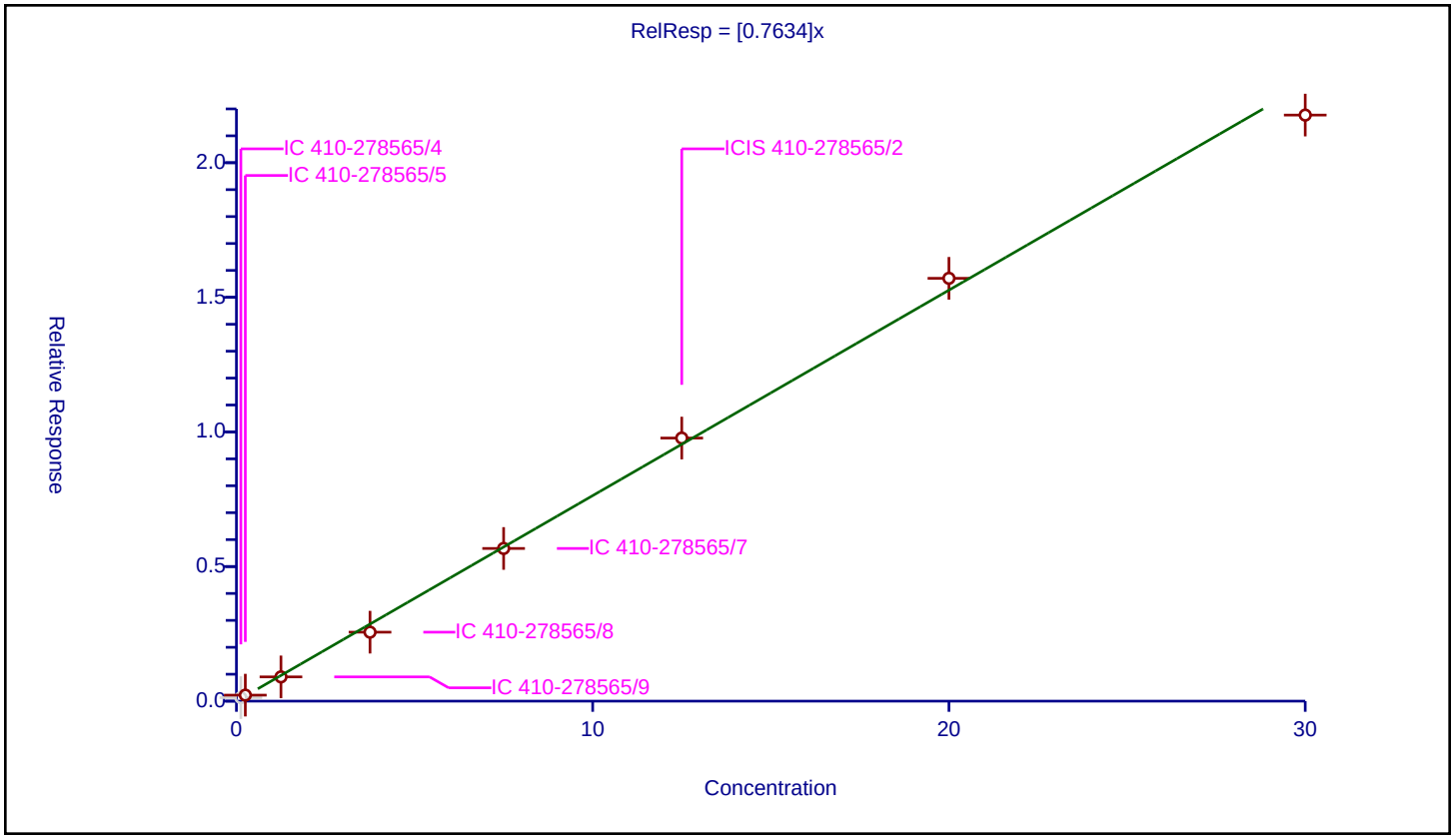
Curve Coefficients

Intercept:	0
Slope:	0.7634

Error Coefficients

Standard Error:	381000
Relative Standard Error:	8.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.130989	5.0	187535.0	1.047911	N
2	IC 410-278565/5	0.25	0.222609	5.0	184921.0	0.890434	Y
3	IC 410-278565/9	1.25	0.901126	5.0	182272.0	0.720901	Y
4	IC 410-278565/8	3.75	2.56207	5.0	191517.0	0.683219	Y
5	IC 410-278565/7	7.5	5.671097	5.0	184124.0	0.756146	Y
6	ICIS 410-278565/2	12.5	9.772769	5.0	163248.0	0.781822	Y
7	IC 410-278565/6	20.0	15.706913	5.0	143490.0	0.785346	Y
8	IC 410-278565/3	30.0	21.770356	5.0	164241.0	0.725679	Y



Calibration / Benzaldehyde

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

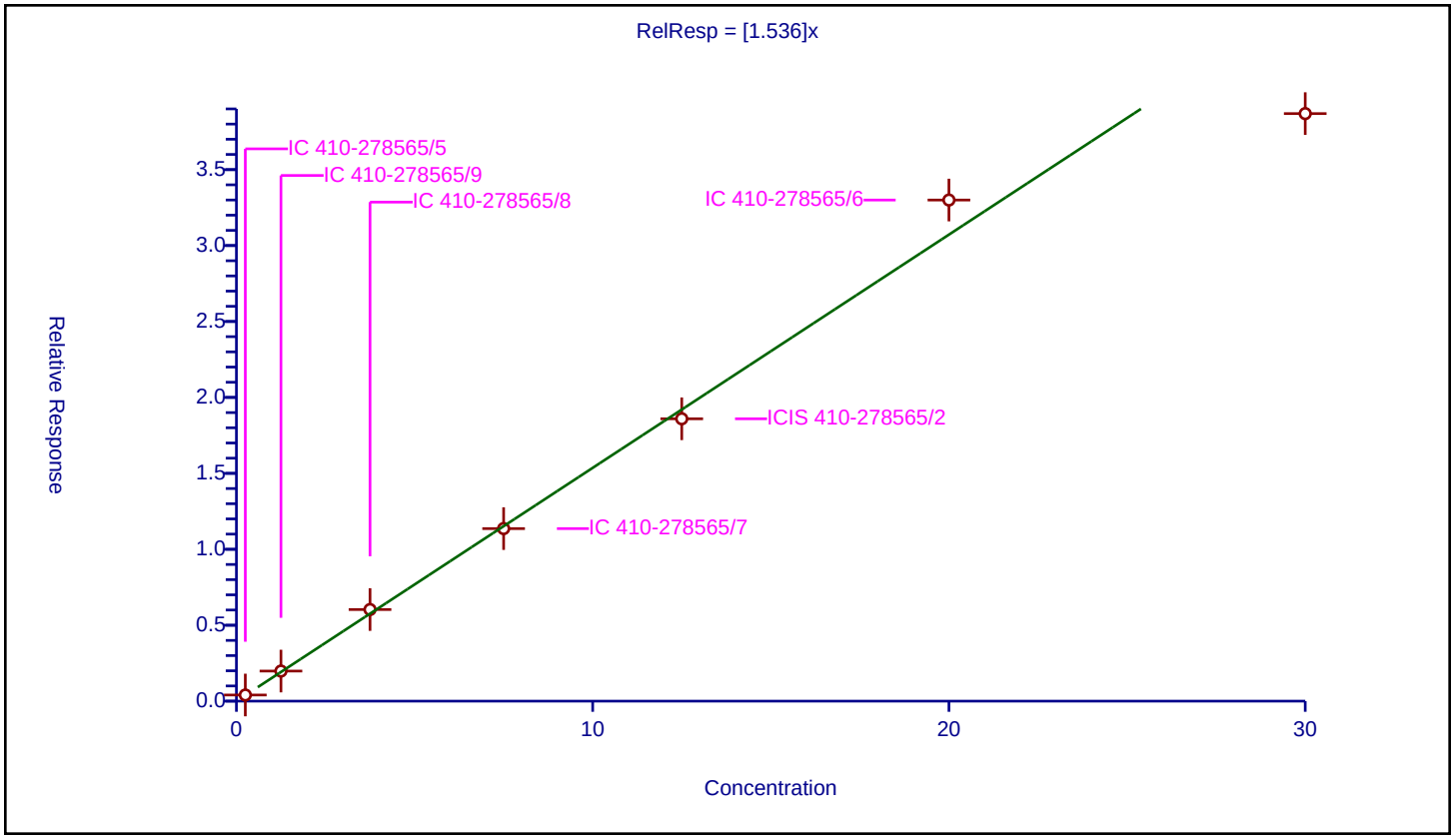
Curve Coefficients

Intercept:	0
Slope:	1.536

Error Coefficients

Standard Error:	720000
Relative Standard Error:	8.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/5	0.25	0.404254	5.0	184921.0	1.617015	Y
2	IC 410-278565/9	1.25	1.980803	5.0	182272.0	1.584643	Y
3	IC 410-278565/8	3.75	6.03218	5.0	191517.0	1.608581	Y
4	IC 410-278565/7	7.5	11.362153	5.0	184124.0	1.514954	Y
5	ICIS 410-278565/2	12.5	18.594225	5.0	163248.0	1.487538	Y
6	IC 410-278565/6	20.0	32.998362	5.0	143490.0	1.649918	Y
7	IC 410-278565/3	30.0	38.690126	5.0	164241.0	1.289671	Y



Calibration / Phenol-d5

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

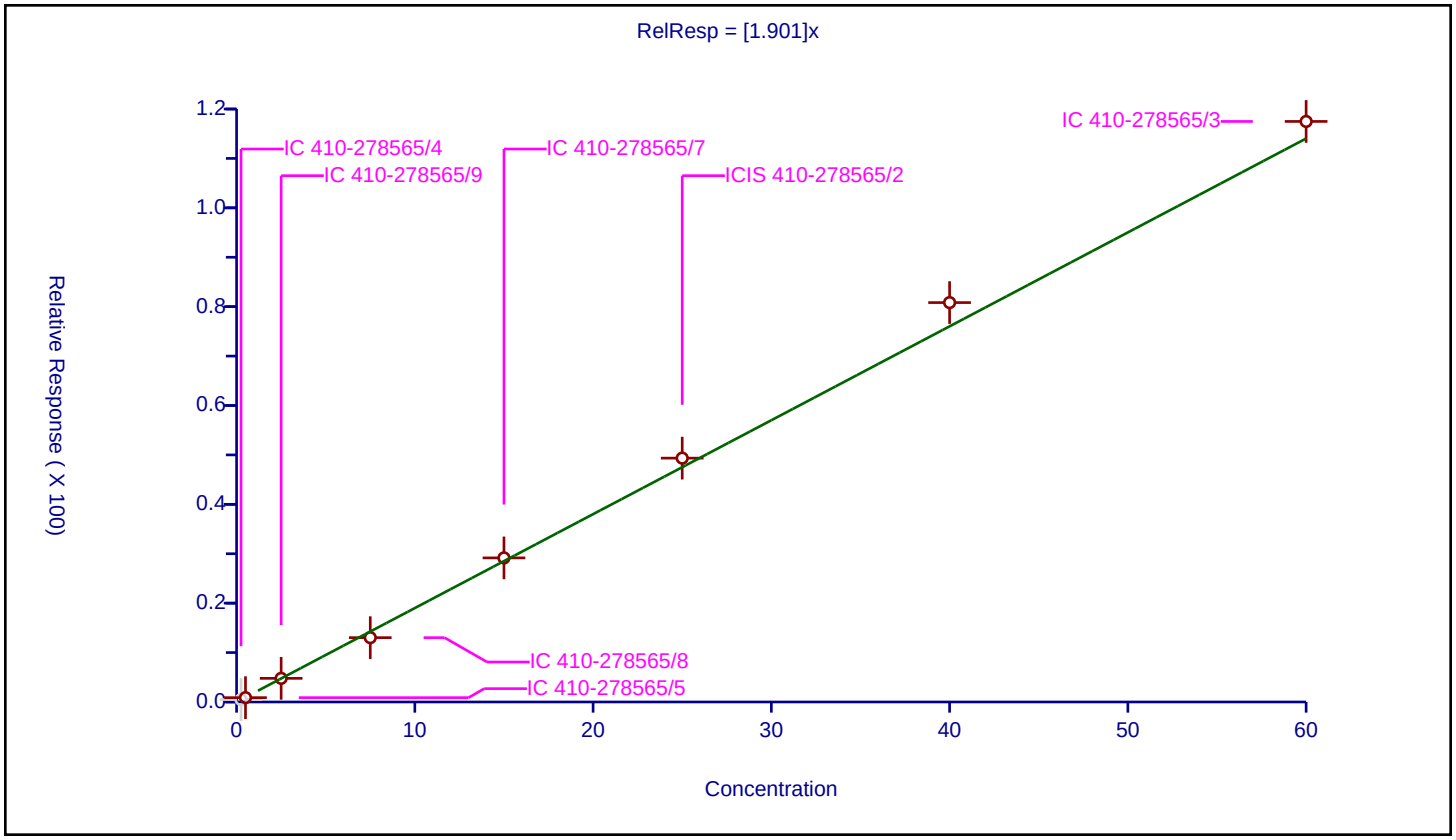
Curve Coefficients

Intercept:	0
Slope:	1.901

Error Coefficients

Standard Error:	2010000
Relative Standard Error:	5.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.25	0.488869	5.0	187535.0	1.955475	N
2	IC 410-278565/5	0.5	0.879267	5.0	184921.0	1.758535	Y
3	IC 410-278565/9	2.5	4.782002	5.0	182272.0	1.912801	Y
4	IC 410-278565/8	7.5	13.017461	5.0	191517.0	1.735661	Y
5	IC 410-278565/7	15.0	29.15766	5.0	184124.0	1.943844	Y
6	ICIS 410-278565/2	25.0	49.350865	5.0	163248.0	1.974035	Y
7	IC 410-278565/6	40.0	80.828072	5.0	143490.0	2.020702	Y
8	IC 410-278565/3	60.0	117.484428	5.0	164241.0	1.958074	Y



Calibration / Phenol

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

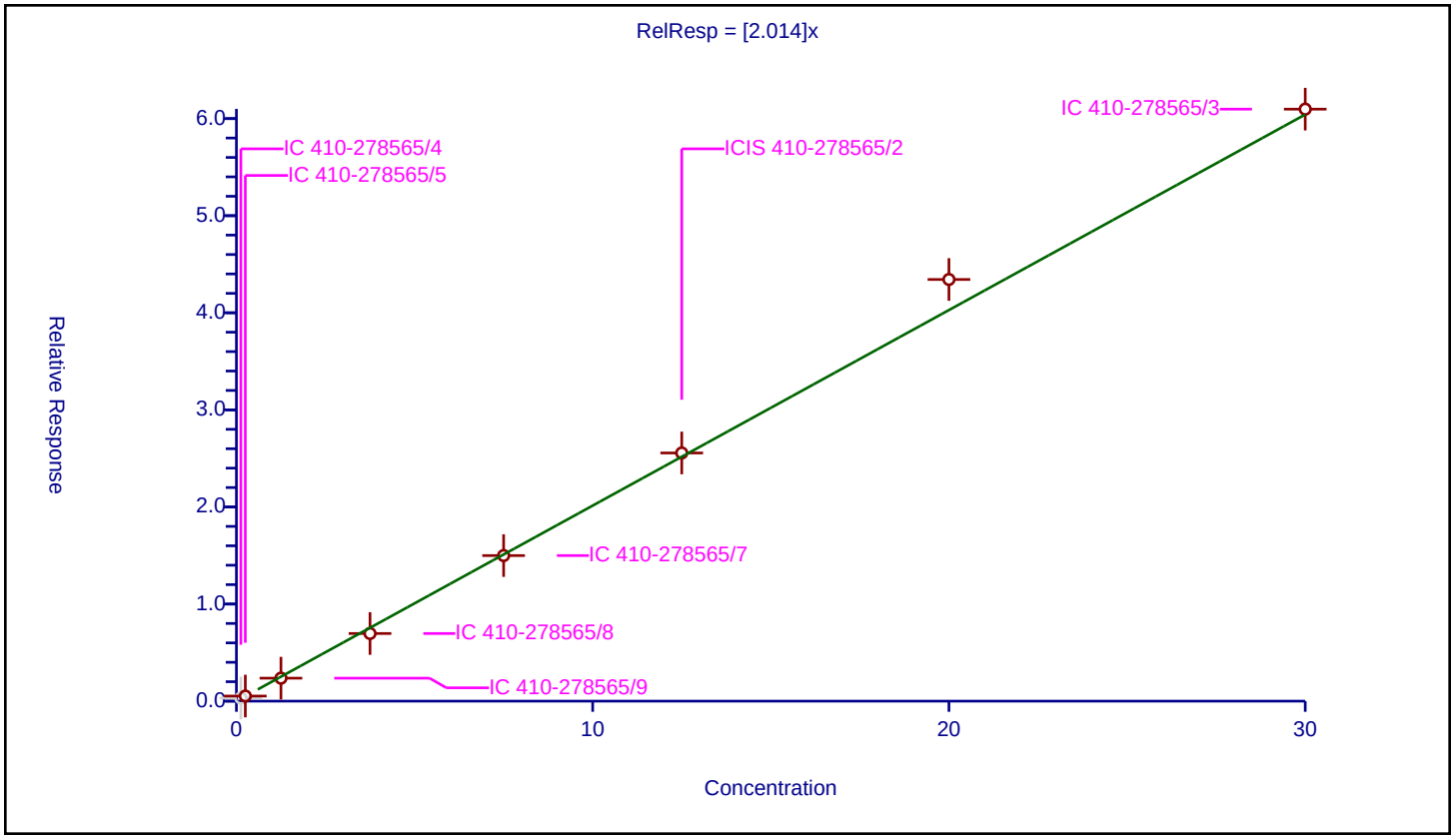
Curve Coefficients

Intercept:	0
Slope:	2.014

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	5.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.322686	5.0	187535.0	2.581491	N
2	IC 410-278565/5	0.25	0.524819	5.0	184921.0	2.099275	Y
3	IC 410-278565/9	1.25	2.366326	5.0	182272.0	1.893061	Y
4	IC 410-278565/8	3.75	6.96651	5.0	191517.0	1.857736	Y
5	IC 410-278565/7	7.5	14.993483	5.0	184124.0	1.999131	Y
6	ICIS 410-278565/2	12.5	25.56065	5.0	163248.0	2.044852	Y
7	IC 410-278565/6	20.0	43.429612	5.0	143490.0	2.171481	Y
8	IC 410-278565/3	30.0	60.971956	5.0	164241.0	2.032399	Y



Calibration / Aniline

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

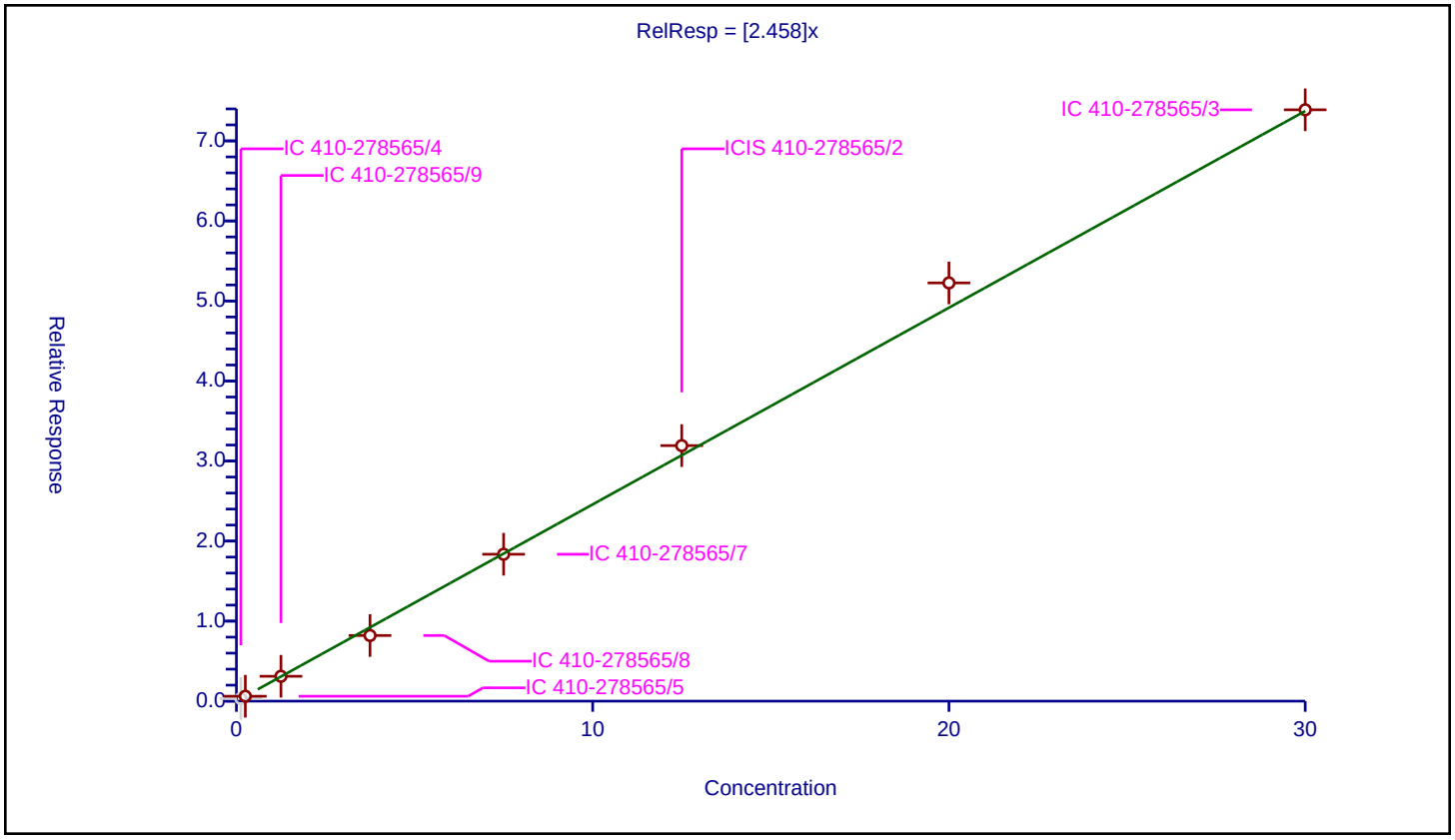
Curve Coefficients

Intercept:	0
Slope:	2.458

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	5.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.330232	5.0	187535.0	2.641854	N
2	IC 410-278565/5	0.25	0.614073	5.0	184921.0	2.456292	Y
3	IC 410-278565/9	1.25	3.105112	5.0	182272.0	2.48409	Y
4	IC 410-278565/8	3.75	8.202953	5.0	191517.0	2.187454	Y
5	IC 410-278565/7	7.5	18.35399	5.0	184124.0	2.447199	Y
6	ICIS 410-278565/2	12.5	31.927497	5.0	163248.0	2.5542	Y
7	IC 410-278565/6	20.0	52.255732	5.0	143490.0	2.612787	Y
8	IC 410-278565/3	30.0	73.885662	5.0	164241.0	2.462855	Y



Calibration / Bis(2-chloroethyl)ether

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

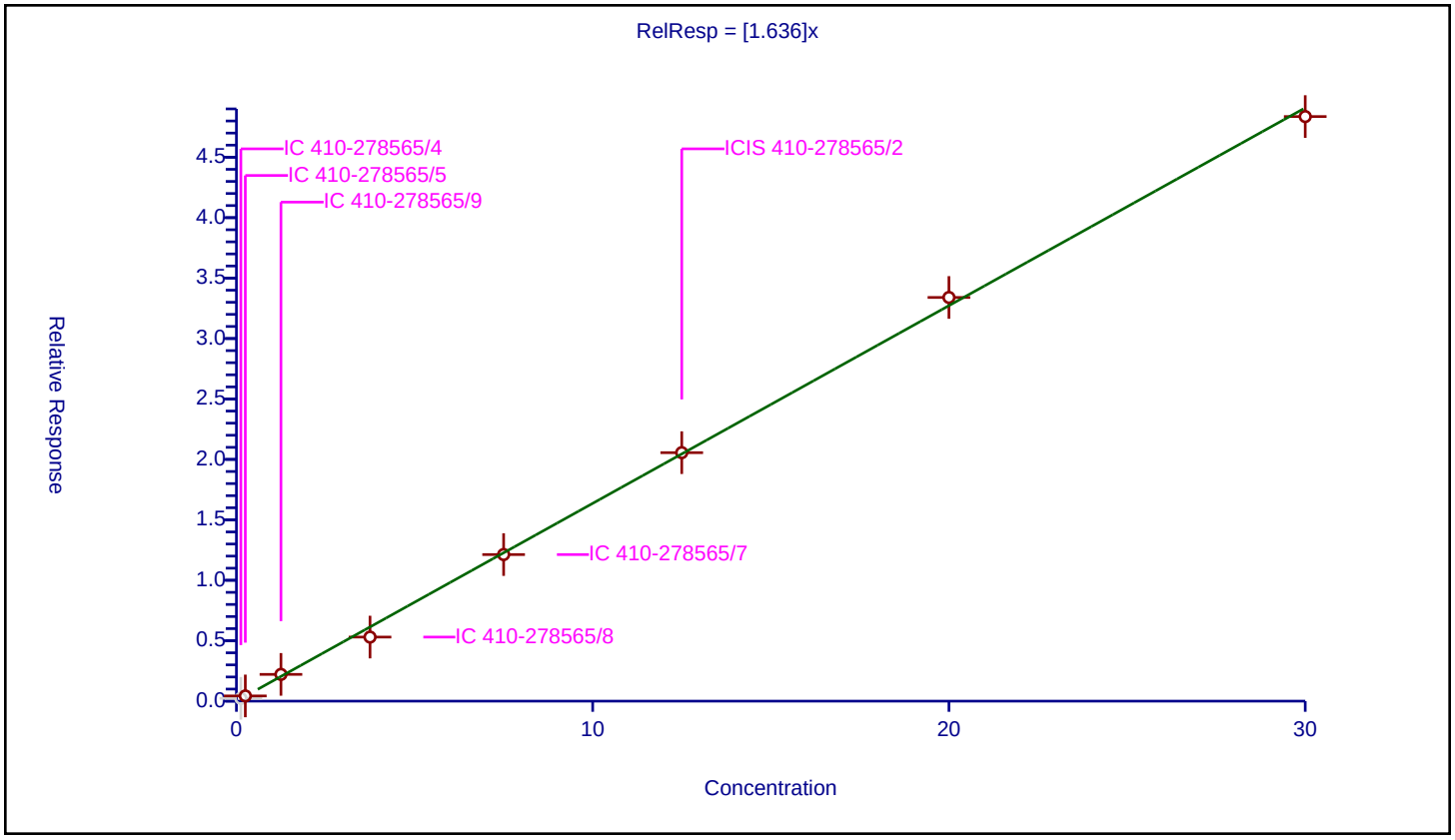
Curve Coefficients

Intercept:	0
Slope:	1.636

Error Coefficients

Standard Error:	831000
Relative Standard Error:	7.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.232757	5.0	187535.0	1.862052	N
2	IC 410-278565/5	0.25	0.431292	5.0	184921.0	1.725169	Y
3	IC 410-278565/9	1.25	2.213395	5.0	182272.0	1.770716	Y
4	IC 410-278565/8	3.75	5.300234	5.0	191517.0	1.413396	Y
5	IC 410-278565/7	7.5	12.128213	5.0	184124.0	1.617095	Y
6	ICIS 410-278565/2	12.5	20.558904	5.0	163248.0	1.644712	Y
7	IC 410-278565/6	20.0	33.399331	5.0	143490.0	1.669967	Y
8	IC 410-278565/3	30.0	48.365451	5.0	164241.0	1.612182	Y



Calibration / 2-Chlorophenol

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

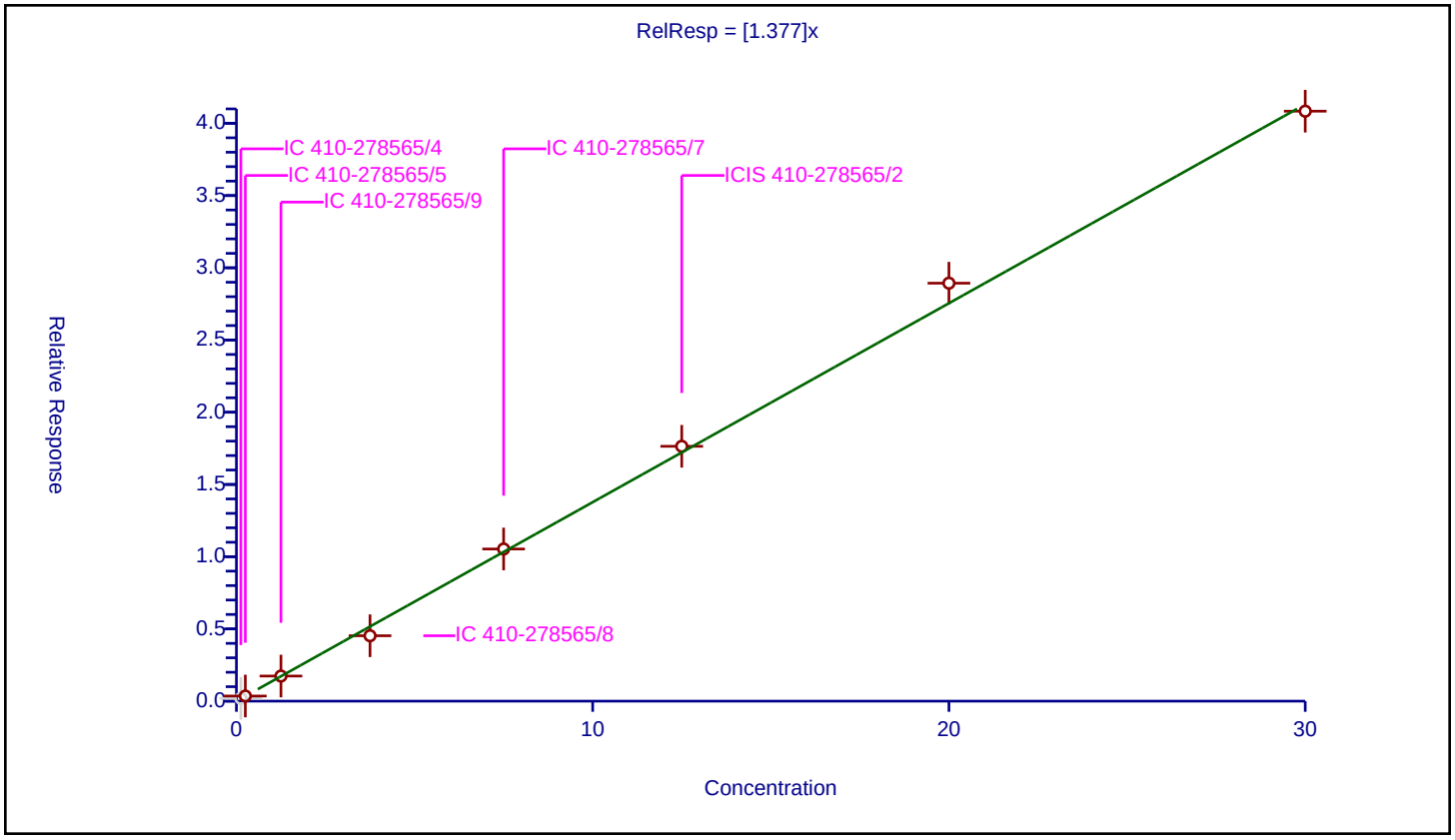
Curve Coefficients

Intercept:	0
Slope:	1.377

Error Coefficients

Standard Error:	708000
Relative Standard Error:	5.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.193884	5.0	187535.0	1.55107	N
2	IC 410-278565/5	0.25	0.354962	5.0	184921.0	1.41985	Y
3	IC 410-278565/9	1.25	1.737321	5.0	182272.0	1.389857	Y
4	IC 410-278565/8	3.75	4.527744	5.0	191517.0	1.207398	Y
5	IC 410-278565/7	7.5	10.532549	5.0	184124.0	1.40434	Y
6	ICIS 410-278565/2	12.5	17.641656	5.0	163248.0	1.411332	Y
7	IC 410-278565/6	20.0	28.93463	5.0	143490.0	1.446731	Y
8	IC 410-278565/3	30.0	40.842177	5.0	164241.0	1.361406	Y



Calibration / 1,3-Dichlorobenzene

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

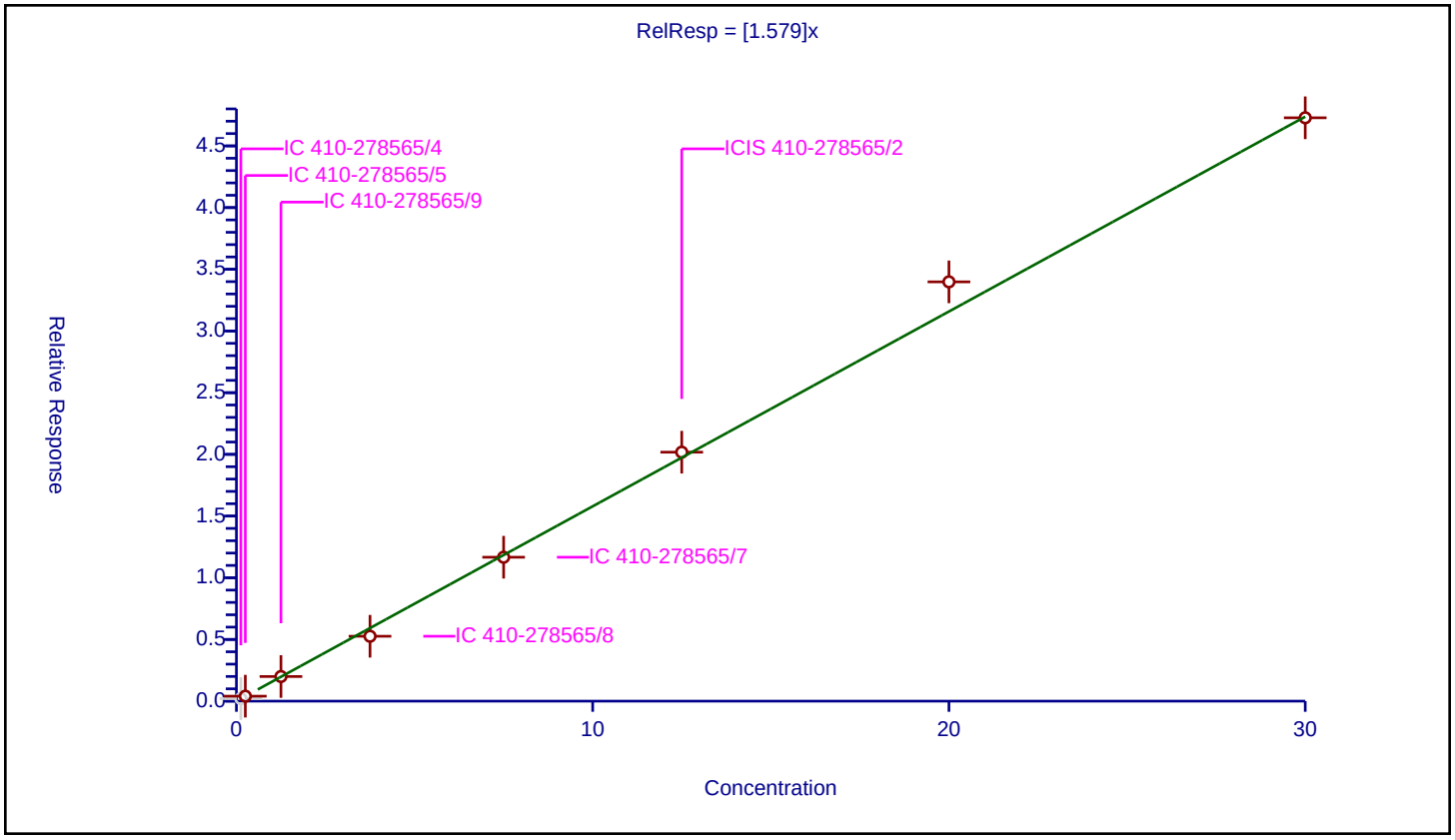
Curve Coefficients

Intercept:	0
Slope:	1.579

Error Coefficients

Standard Error:	819000
Relative Standard Error:	5.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.208361	5.0	187535.0	1.666889	N
2	IC 410-278565/5	0.25	0.402118	5.0	184921.0	1.608471	Y
3	IC 410-278565/9	1.25	1.996467	5.0	182272.0	1.597173	Y
4	IC 410-278565/8	3.75	5.25969	5.0	191517.0	1.402584	Y
5	IC 410-278565/7	7.5	11.663797	5.0	184124.0	1.555173	Y
6	ICIS 410-278565/2	12.5	20.176725	5.0	163248.0	1.614138	Y
7	IC 410-278565/6	20.0	33.982298	5.0	143490.0	1.699115	Y
8	IC 410-278565/3	30.0	47.27976	5.0	164241.0	1.575992	Y



Calibration / 1,4-Dichlorobenzene

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

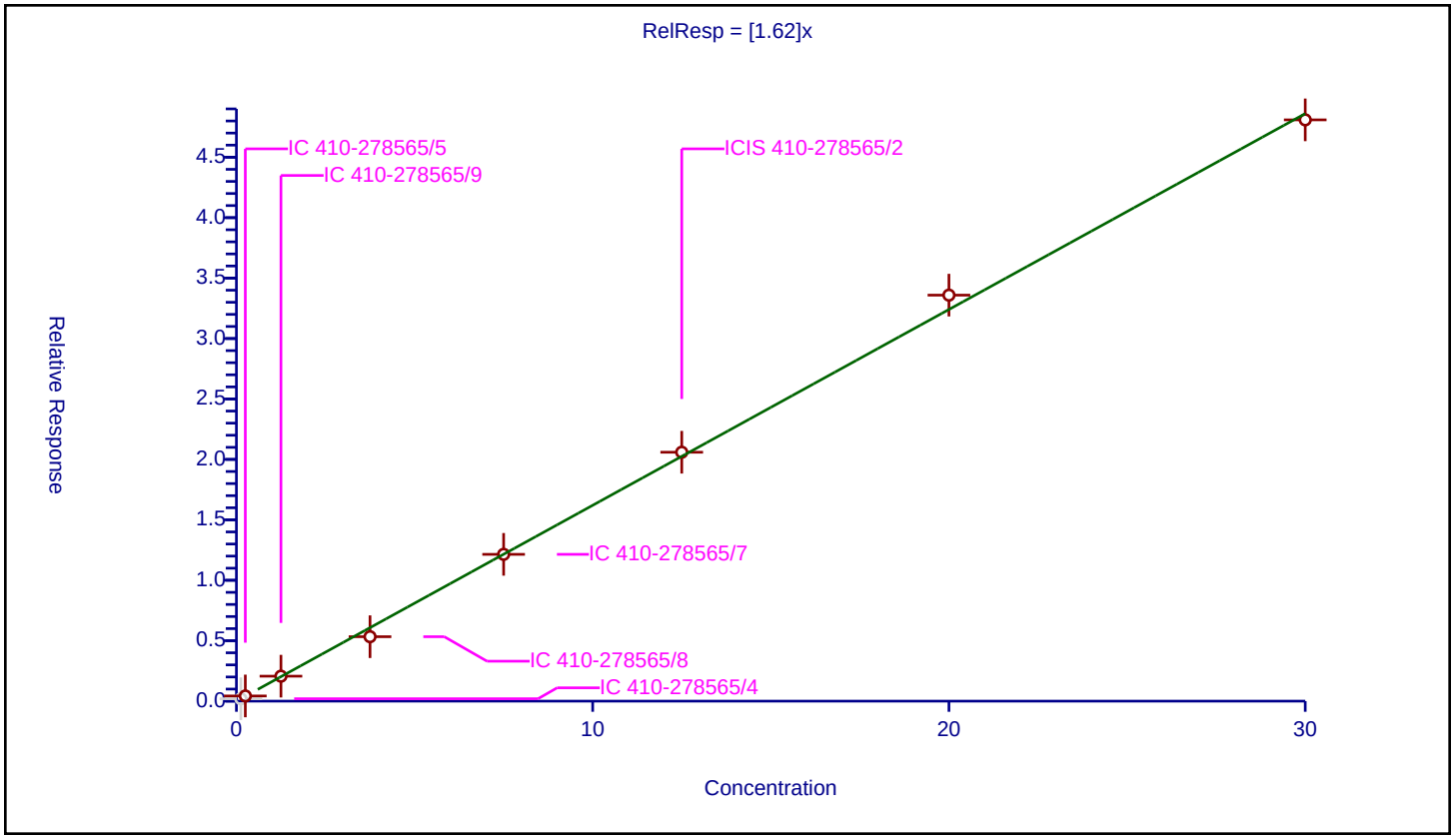
Curve Coefficients

Intercept:	0
Slope:	1.62

Error Coefficients

Standard Error:	829000
Relative Standard Error:	5.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.198363	5.0	187535.0	1.586904	N
2	IC 410-278565/5	0.25	0.429643	5.0	184921.0	1.718572	Y
3	IC 410-278565/9	1.25	2.064771	5.0	182272.0	1.651817	Y
4	IC 410-278565/8	3.75	5.33219	5.0	191517.0	1.421917	Y
5	IC 410-278565/7	7.5	12.145511	5.0	184124.0	1.619401	Y
6	ICIS 410-278565/2	12.5	20.593055	5.0	163248.0	1.647444	Y
7	IC 410-278565/6	20.0	33.590529	5.0	143490.0	1.679526	Y
8	IC 410-278565/3	30.0	48.092316	5.0	164241.0	1.603077	Y



Calibration / Benzyl alcohol

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

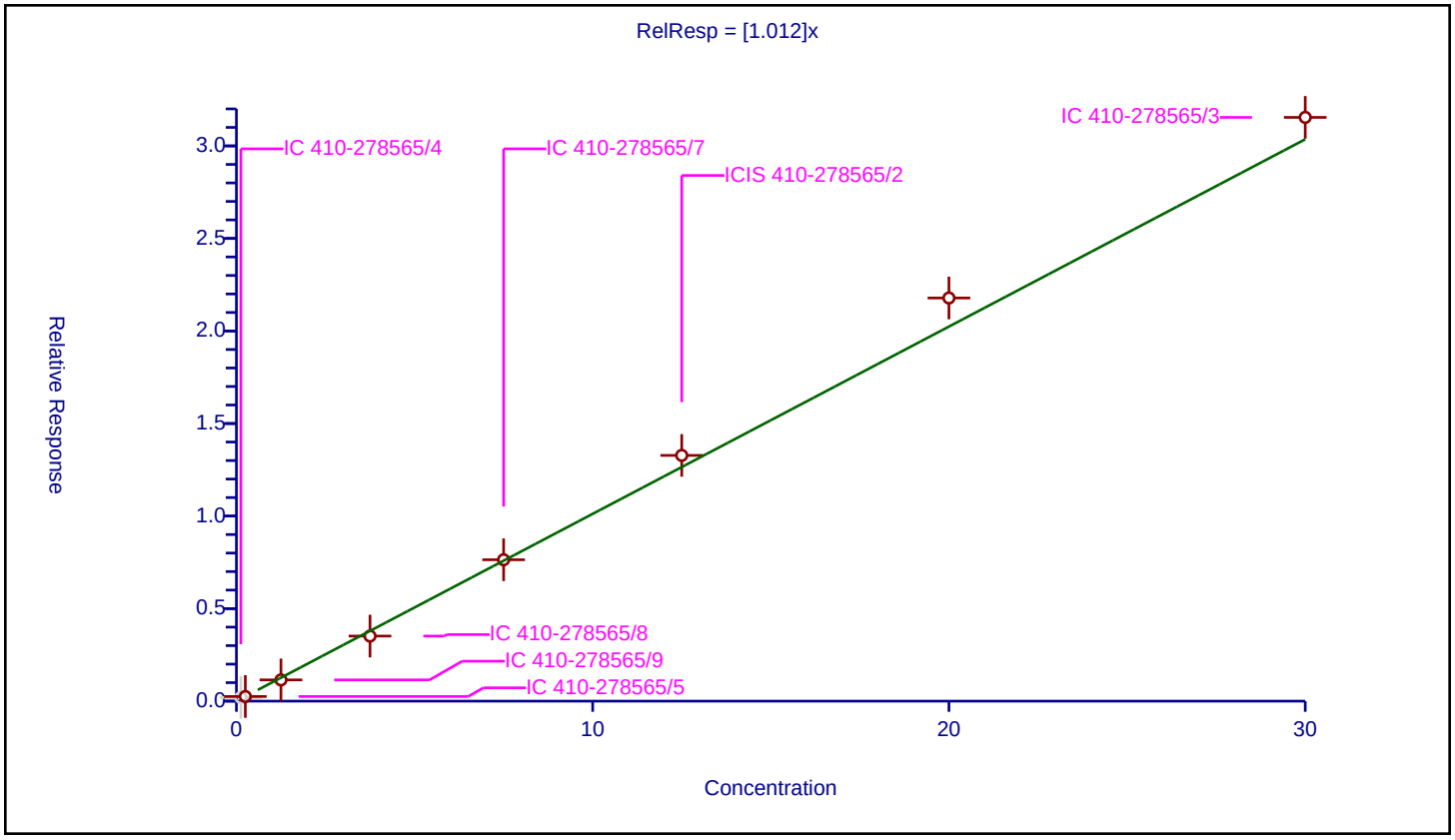
Curve Coefficients

Intercept:	0
Slope:	1.012

Error Coefficients

Standard Error:	540000
Relative Standard Error:	6.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.197483	5.0	187535.0	1.579865	N
2	IC 410-278565/5	0.25	0.251621	5.0	184921.0	1.006484	Y
3	IC 410-278565/9	1.25	1.147214	5.0	182272.0	0.917771	Y
4	IC 410-278565/8	3.75	3.51598	5.0	191517.0	0.937595	Y
5	IC 410-278565/7	7.5	7.639743	5.0	184124.0	1.018632	Y
6	ICIS 410-278565/2	12.5	13.277345	5.0	163248.0	1.062188	Y
7	IC 410-278565/6	20.0	21.782424	5.0	143490.0	1.089121	Y
8	IC 410-278565/3	30.0	31.54045	5.0	164241.0	1.051348	Y



Calibration / 1,2-Dichlorobenzene

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

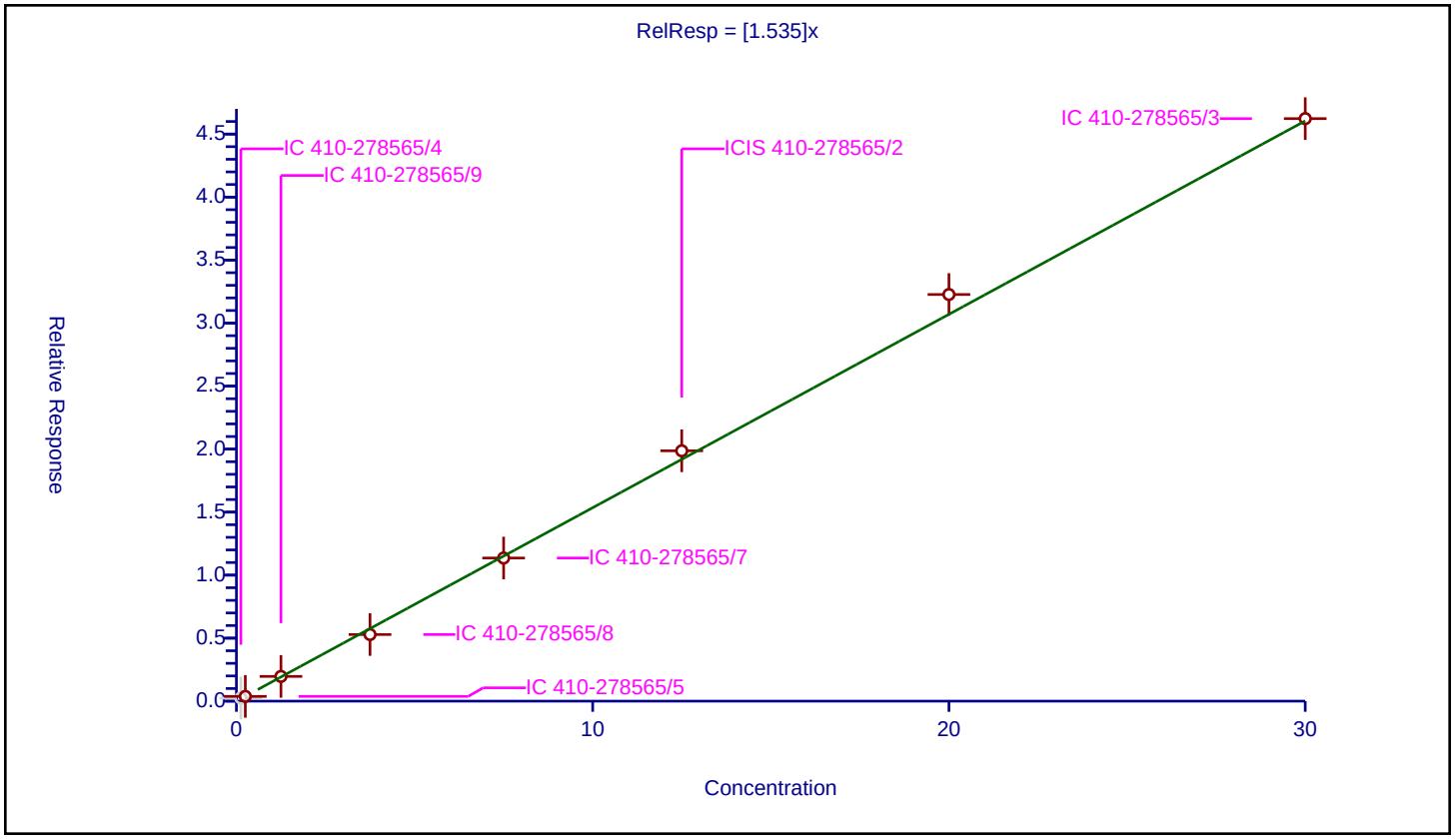
Curve Coefficients

Intercept:	0
Slope:	1.535

Error Coefficients

Standard Error:	796000
Relative Standard Error:	4.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.247634	5.0	187535.0	1.98107	N
2	IC 410-278565/5	0.25	0.376485	5.0	184921.0	1.50594	Y
3	IC 410-278565/9	1.25	1.963467	5.0	182272.0	1.570773	Y
4	IC 410-278565/8	3.75	5.286398	5.0	191517.0	1.409706	Y
5	IC 410-278565/7	7.5	11.358025	5.0	184124.0	1.514403	Y
6	ICIS 410-278565/2	12.5	19.866369	5.0	163248.0	1.58931	Y
7	IC 410-278565/6	20.0	32.270019	5.0	143490.0	1.613501	Y
8	IC 410-278565/3	30.0	46.225455	5.0	164241.0	1.540849	Y



Calibration / 2-Methylphenol

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

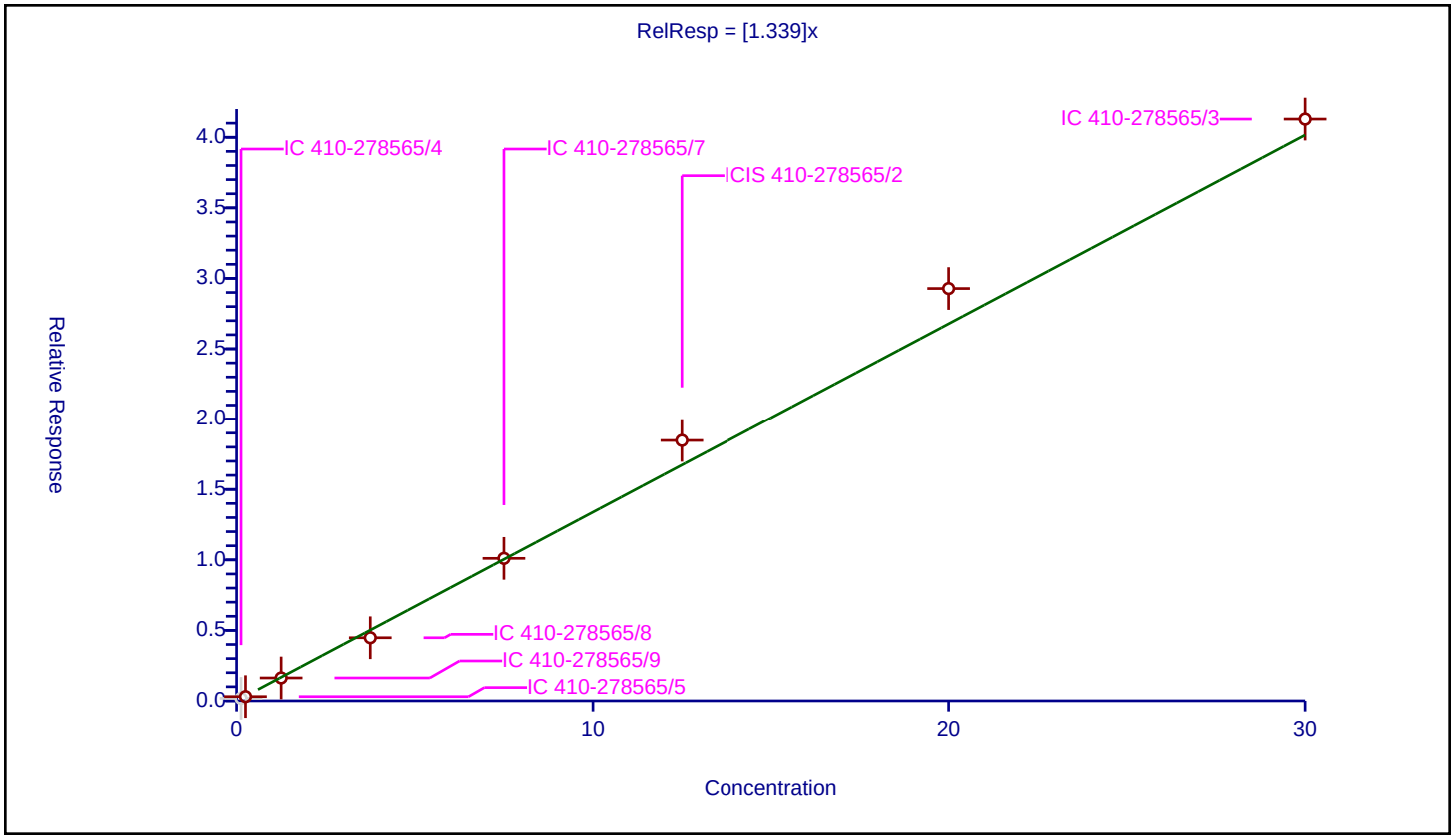
Curve Coefficients

Intercept:	0
Slope:	1.339

Error Coefficients

Standard Error:	717000
Relative Standard Error:	8.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.1781	5.0	187535.0	1.424801	N
2	IC 410-278565/5	0.25	0.302129	5.0	184921.0	1.208516	Y
3	IC 410-278565/9	1.25	1.627513	5.0	182272.0	1.30201	Y
4	IC 410-278565/8	3.75	4.47814	5.0	191517.0	1.194171	Y
5	IC 410-278565/7	7.5	10.106396	5.0	184124.0	1.347519	Y
6	ICIS 410-278565/2	12.5	18.482309	5.0	163248.0	1.478585	Y
7	IC 410-278565/6	20.0	29.28002	5.0	143490.0	1.464001	Y
8	IC 410-278565/3	30.0	41.28899	5.0	164241.0	1.3763	Y



Calibration / 2,2'-oxybis[1-chloropropane]

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

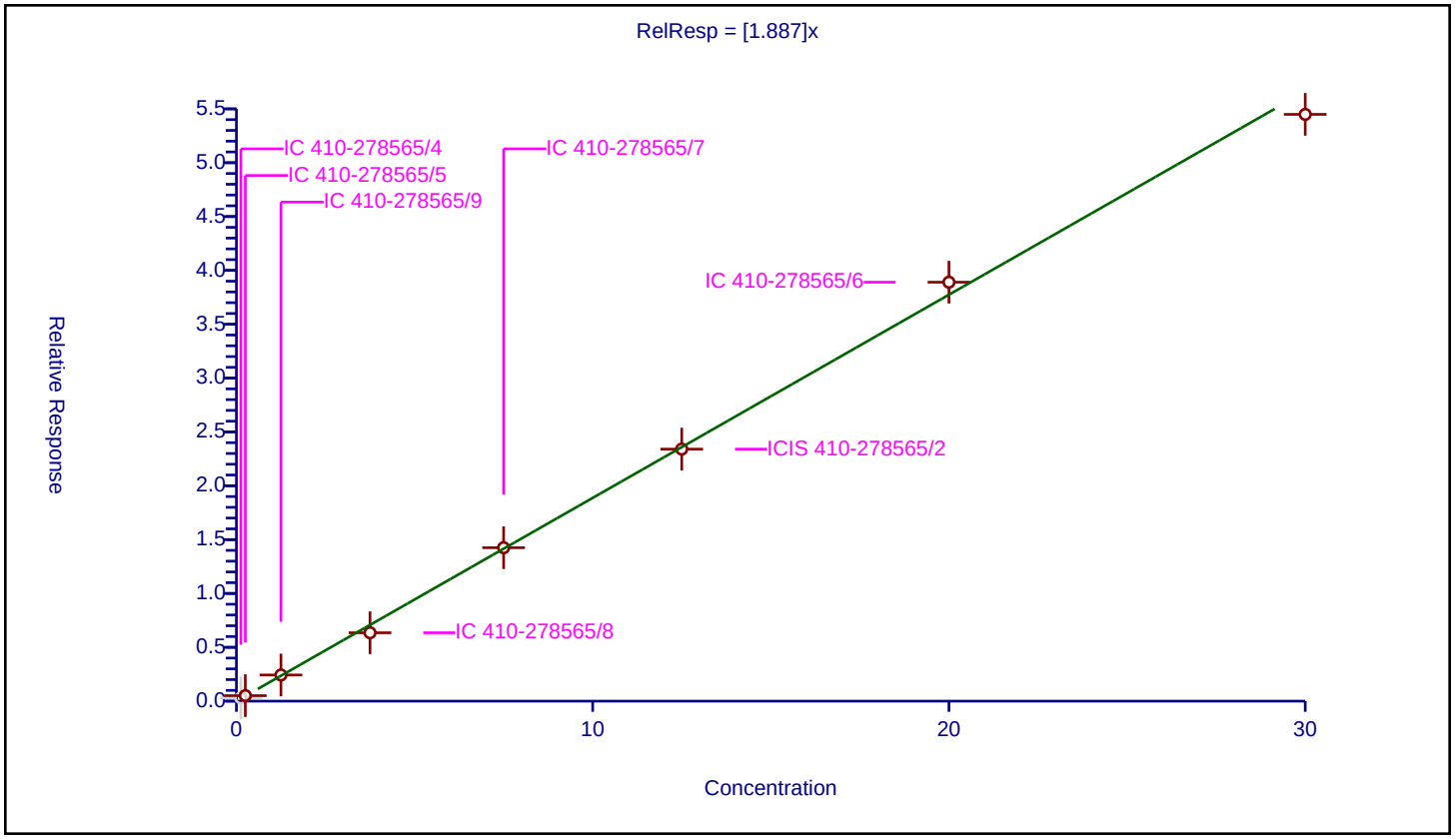
Curve Coefficients

Intercept:	0
Slope:	1.887

Error Coefficients

Standard Error:	947000
Relative Standard Error:	5.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.301704	5.0	187535.0	2.413629	N
2	IC 410-278565/5	0.25	0.509947	5.0	184921.0	2.03979	Y
3	IC 410-278565/9	1.25	2.429117	5.0	182272.0	1.943294	Y
4	IC 410-278565/8	3.75	6.351577	5.0	191517.0	1.693754	Y
5	IC 410-278565/7	7.5	14.247491	5.0	184124.0	1.899665	Y
6	ICIS 410-278565/2	12.5	23.4058	5.0	163248.0	1.872464	Y
7	IC 410-278565/6	20.0	38.906265	5.0	143490.0	1.945313	Y
8	IC 410-278565/3	30.0	54.489226	5.0	164241.0	1.816308	Y



Calibration / N-Nitrosopyrrolidine

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

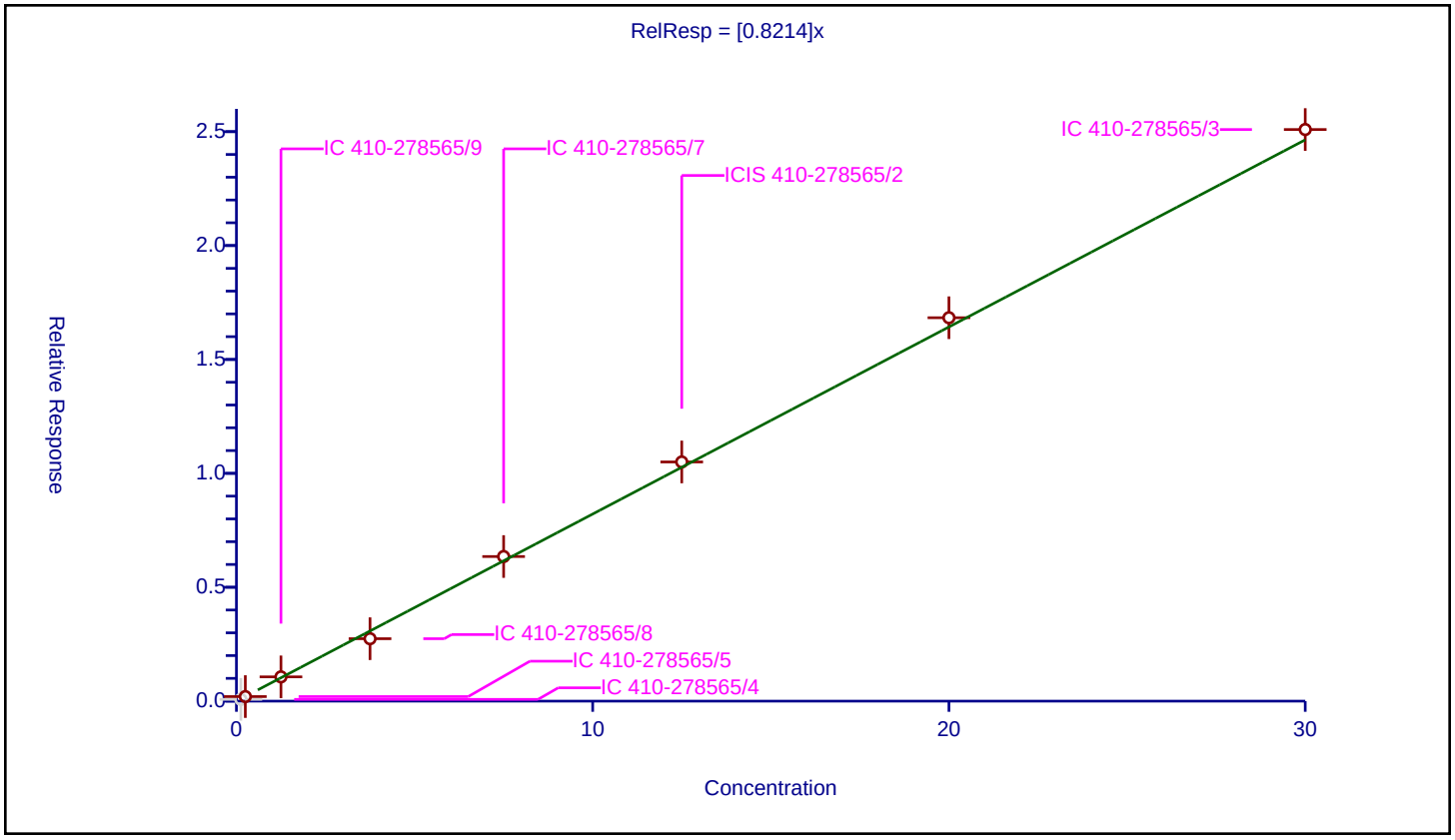
Curve Coefficients

Intercept:	0
Slope:	0.8214

Error Coefficients

Standard Error:	428000
Relative Standard Error:	5.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.078119	5.0	187535.0	0.62495	N
2	IC 410-278565/5	0.25	0.200464	5.0	184921.0	0.801856	Y
3	IC 410-278565/9	1.25	1.065331	5.0	182272.0	0.852265	Y
4	IC 410-278565/8	3.75	2.741167	5.0	191517.0	0.730978	Y
5	IC 410-278565/7	7.5	6.348439	5.0	184124.0	0.846459	Y
6	ICIS 410-278565/2	12.5	10.500221	5.0	163248.0	0.840018	Y
7	IC 410-278565/6	20.0	16.83187	5.0	143490.0	0.841593	Y
8	IC 410-278565/3	30.0	25.093826	5.0	164241.0	0.836461	Y



Calibration / 4-Methylphenol

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

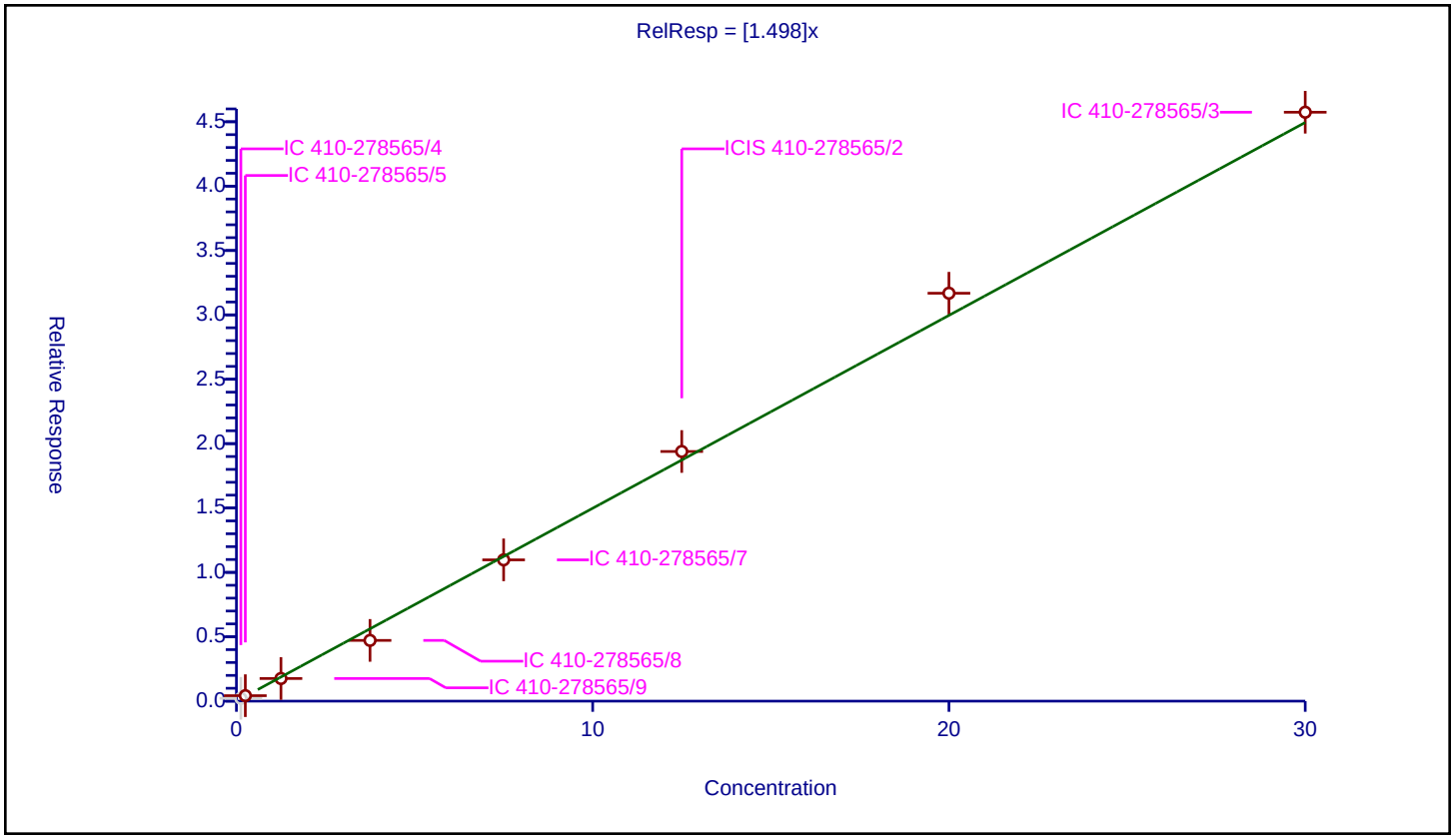
Curve Coefficients

Intercept:	0
Slope:	1.498

Error Coefficients

Standard Error:	784000
Relative Standard Error:	9.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.219692	5.0	187535.0	1.757539	N
2	IC 410-278565/5	0.25	0.424749	5.0	184921.0	1.698996	Y
3	IC 410-278565/9	1.25	1.758032	5.0	182272.0	1.406426	Y
4	IC 410-278565/8	3.75	4.718302	5.0	191517.0	1.258214	Y
5	IC 410-278565/7	7.5	10.973909	5.0	184124.0	1.463188	Y
6	ICIS 410-278565/2	12.5	19.39059	5.0	163248.0	1.551247	Y
7	IC 410-278565/6	20.0	31.683671	5.0	143490.0	1.584184	Y
8	IC 410-278565/3	30.0	45.741076	5.0	164241.0	1.524703	Y



Calibration / Acetophenone

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

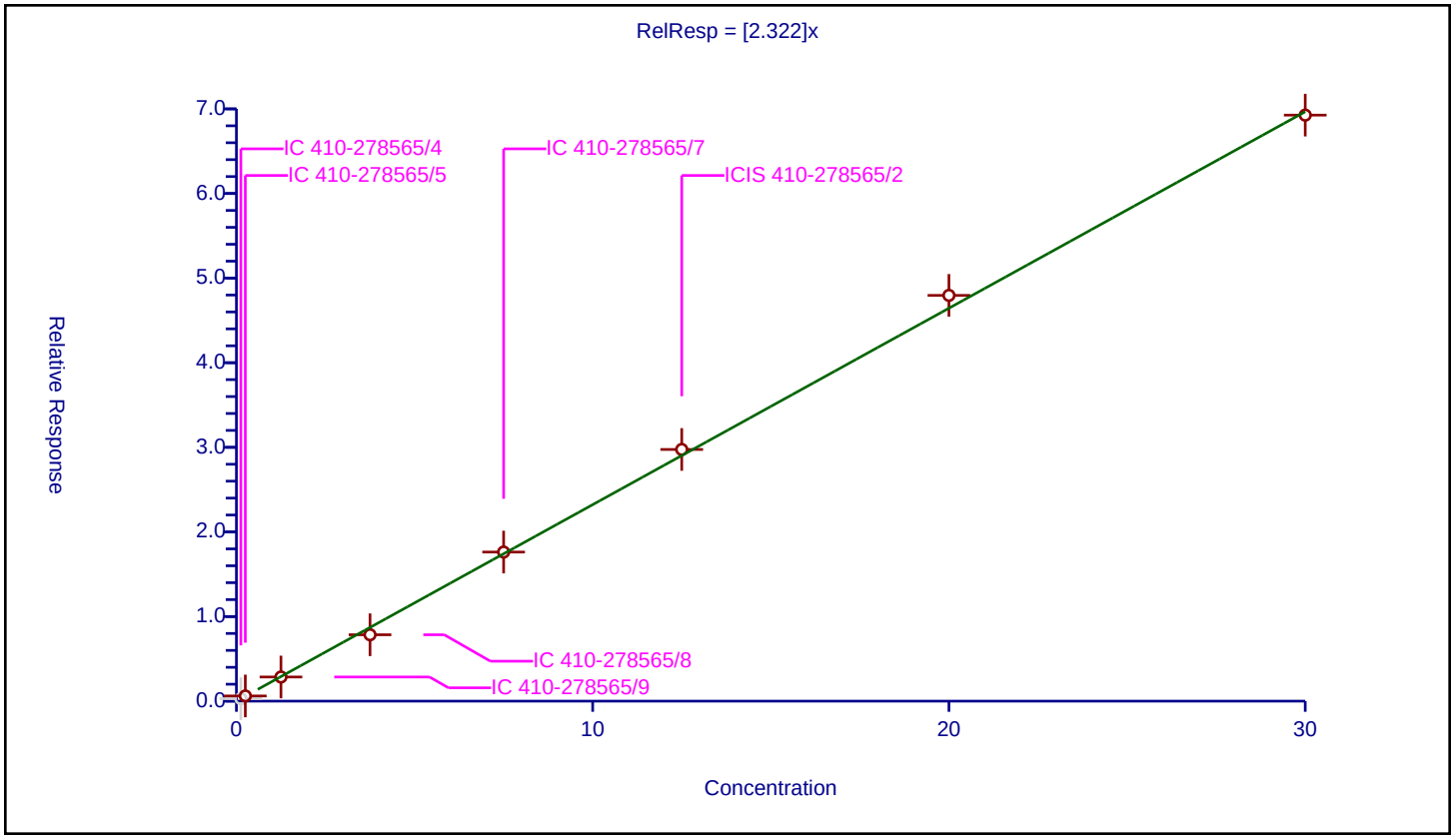
Curve Coefficients

Intercept:	0
Slope:	2.322

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	4.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.294505	5.0	187535.0	2.35604	N
2	IC 410-278565/5	0.25	0.610937	5.0	184921.0	2.443746	Y
3	IC 410-278565/9	1.25	2.854196	5.0	182272.0	2.283357	Y
4	IC 410-278565/8	3.75	7.845726	5.0	191517.0	2.092194	Y
5	IC 410-278565/7	7.5	17.621549	5.0	184124.0	2.34954	Y
6	ICIS 410-278565/2	12.5	29.746367	5.0	163248.0	2.379709	Y
7	IC 410-278565/6	20.0	47.957453	5.0	143490.0	2.397873	Y
8	IC 410-278565/3	30.0	69.262182	5.0	164241.0	2.308739	Y



Calibration / N-Nitrosodi-n-propylamine

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

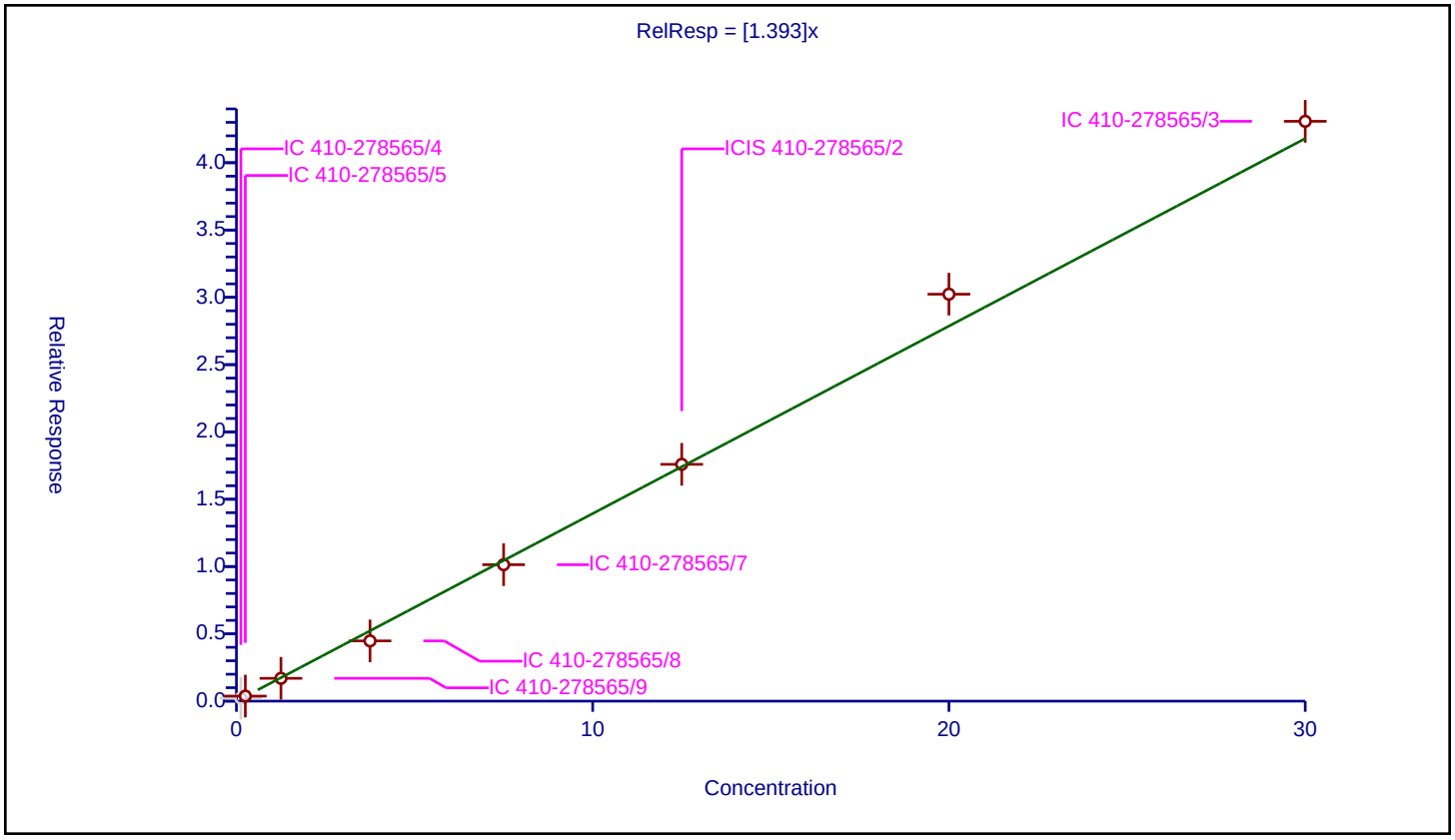
Curve Coefficients

Intercept:	0
Slope:	1.393

Error Coefficients

Standard Error:	737000
Relative Standard Error:	7.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.224891	5.0	187535.0	1.799131	N
2	IC 410-278565/5	0.25	0.374322	5.0	184921.0	1.497288	Y
3	IC 410-278565/9	1.25	1.694363	5.0	182272.0	1.355491	Y
4	IC 410-278565/8	3.75	4.47553	5.0	191517.0	1.193475	Y
5	IC 410-278565/7	7.5	10.136511	5.0	184124.0	1.351535	Y
6	ICIS 410-278565/2	12.5	17.593661	5.0	163248.0	1.407493	Y
7	IC 410-278565/6	20.0	30.233884	5.0	143490.0	1.511694	Y
8	IC 410-278565/3	30.0	43.07819	5.0	164241.0	1.43594	Y



Calibration / N-Nitrosomorpholine

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

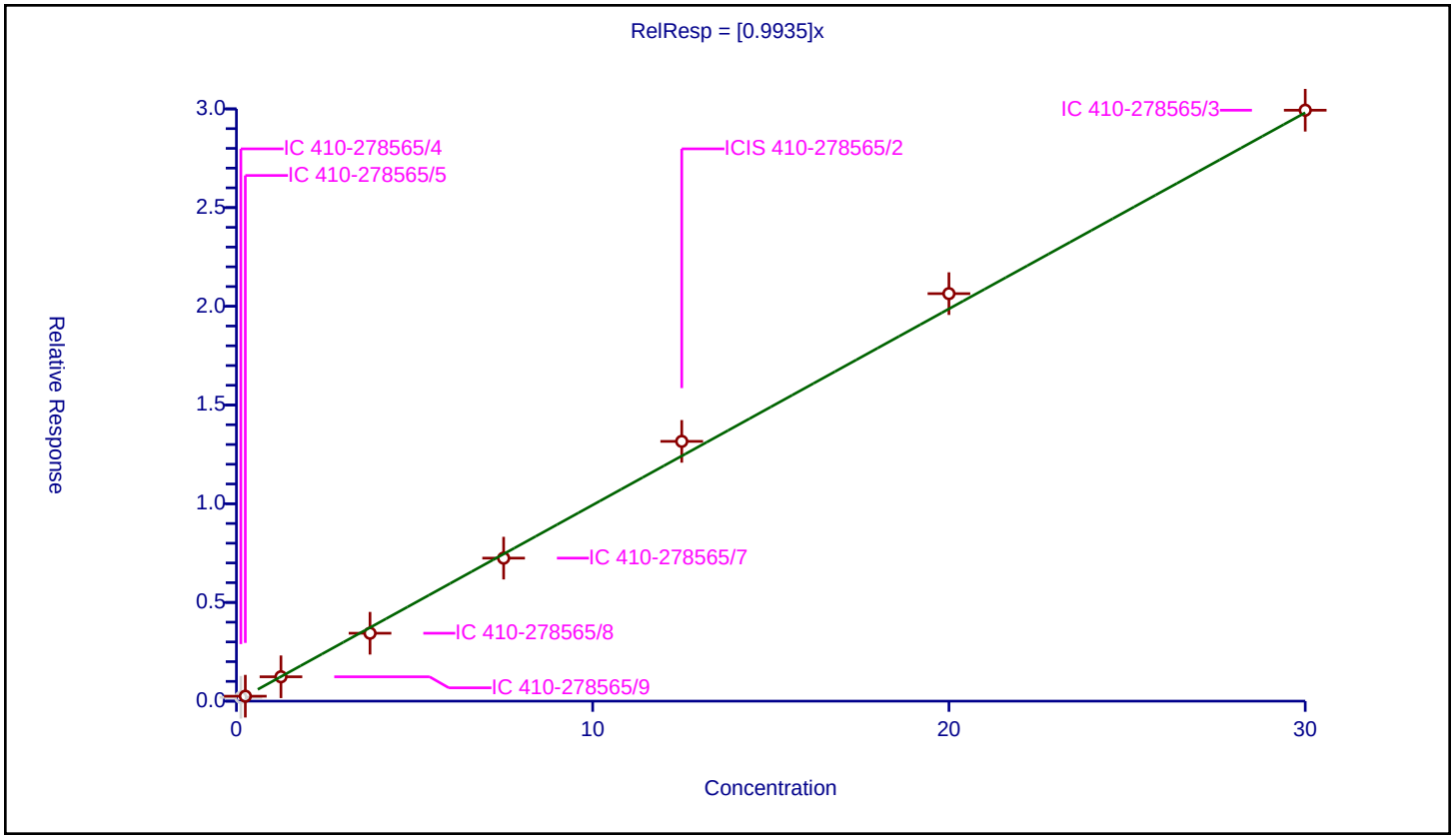
Curve Coefficients

Intercept:	0
Slope:	0.9935

Error Coefficients

Standard Error:	515000
Relative Standard Error:	4.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.192631	5.0	187535.0	1.541046	N
2	IC 410-278565/5	0.25	0.250593	5.0	184921.0	1.002374	Y
3	IC 410-278565/9	1.25	1.233404	5.0	182272.0	0.986723	Y
4	IC 410-278565/8	3.75	3.439851	5.0	191517.0	0.917294	Y
5	IC 410-278565/7	7.5	7.24376	5.0	184124.0	0.965835	Y
6	ICIS 410-278565/2	12.5	13.158814	5.0	163248.0	1.052705	Y
7	IC 410-278565/6	20.0	20.643006	5.0	143490.0	1.03215	Y
8	IC 410-278565/3	30.0	29.932812	5.0	164241.0	0.99776	Y



Calibration / 2-Toluidine

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

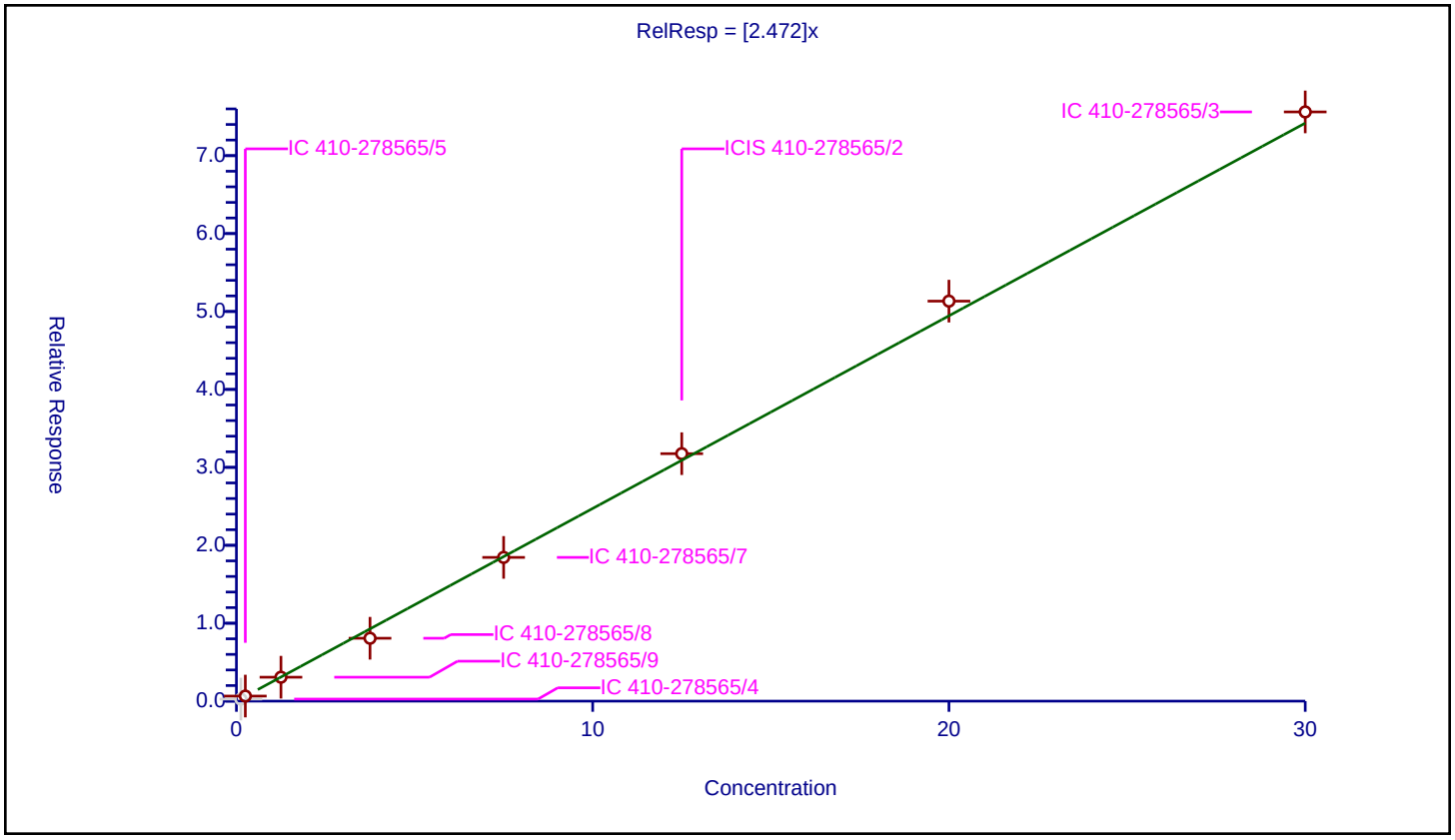
Curve Coefficients

Intercept:	0
Slope:	2.472

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	6.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.263604	5.0	187535.0	2.108833	N
2	IC 410-278565/5	0.25	0.652441	5.0	184921.0	2.609763	Y
3	IC 410-278565/9	1.25	3.07203	5.0	182272.0	2.457624	Y
4	IC 410-278565/8	3.75	8.071633	5.0	191517.0	2.152436	Y
5	IC 410-278565/7	7.5	18.44564	5.0	184124.0	2.459419	Y
6	ICIS 410-278565/2	12.5	31.755734	5.0	163248.0	2.540459	Y
7	IC 410-278565/6	20.0	51.331835	5.0	143490.0	2.566592	Y
8	IC 410-278565/3	30.0	75.611175	5.0	164241.0	2.520373	Y



Calibration / Hexachloroethane

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

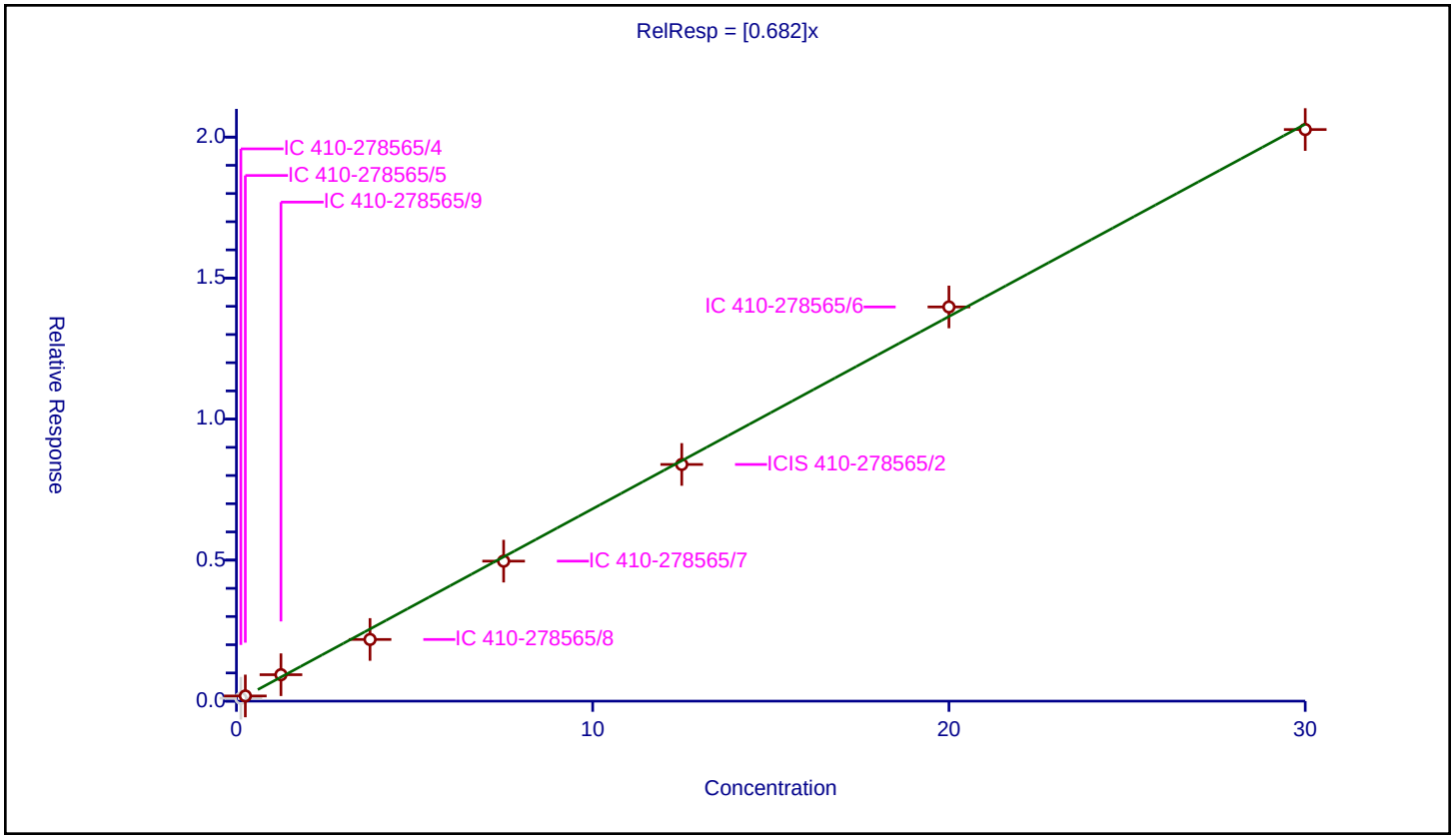
Curve Coefficients

Intercept:	0
Slope:	0.682

Error Coefficients

Standard Error:	347000
Relative Standard Error:	8.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.103794	5.0	187535.0	0.830352	N
2	IC 410-278565/5	0.25	0.183294	5.0	184921.0	0.733178	Y
3	IC 410-278565/9	1.25	0.936979	5.0	182272.0	0.749583	Y
4	IC 410-278565/8	3.75	2.187038	5.0	191517.0	0.58321	Y
5	IC 410-278565/7	7.5	4.964127	5.0	184124.0	0.661884	Y
6	ICIS 410-278565/2	12.5	8.392476	5.0	163248.0	0.671398	Y
7	IC 410-278565/6	20.0	13.977141	5.0	143490.0	0.698857	Y
8	IC 410-278565/3	30.0	20.268021	5.0	164241.0	0.675601	Y



Calibration / Nitrobenzene-d5

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

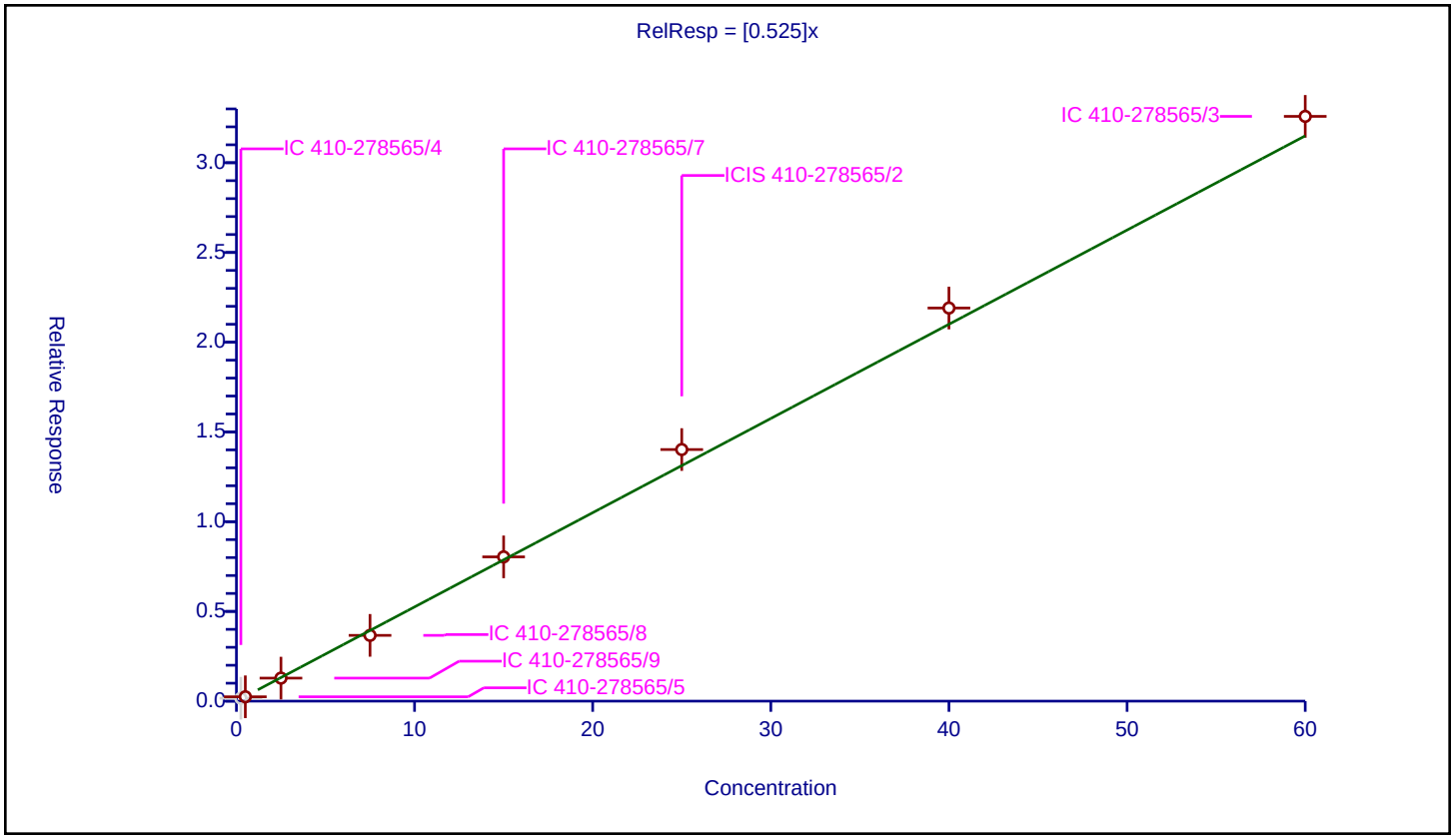
Curve Coefficients

Intercept:	0
Slope:	0.525

Error Coefficients

Standard Error:	2080000
Relative Standard Error:	5.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.25	0.161854	5.0	639836.0	0.647416	N
2	IC 410-278565/5	0.5	0.242821	5.0	634851.0	0.485642	Y
3	IC 410-278565/9	2.5	1.283233	5.0	678470.0	0.513293	Y
4	IC 410-278565/8	7.5	3.664963	5.0	698531.0	0.488662	Y
5	IC 410-278565/7	15.0	8.038276	5.0	684342.0	0.535885	Y
6	ICIS 410-278565/2	25.0	14.018576	5.0	603022.0	0.560743	Y
7	IC 410-278565/6	40.0	21.903285	5.0	553874.0	0.547582	Y
8	IC 410-278565/3	60.0	32.582587	5.0	607420.0	0.543043	Y



Calibration / Nitrobenzene

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

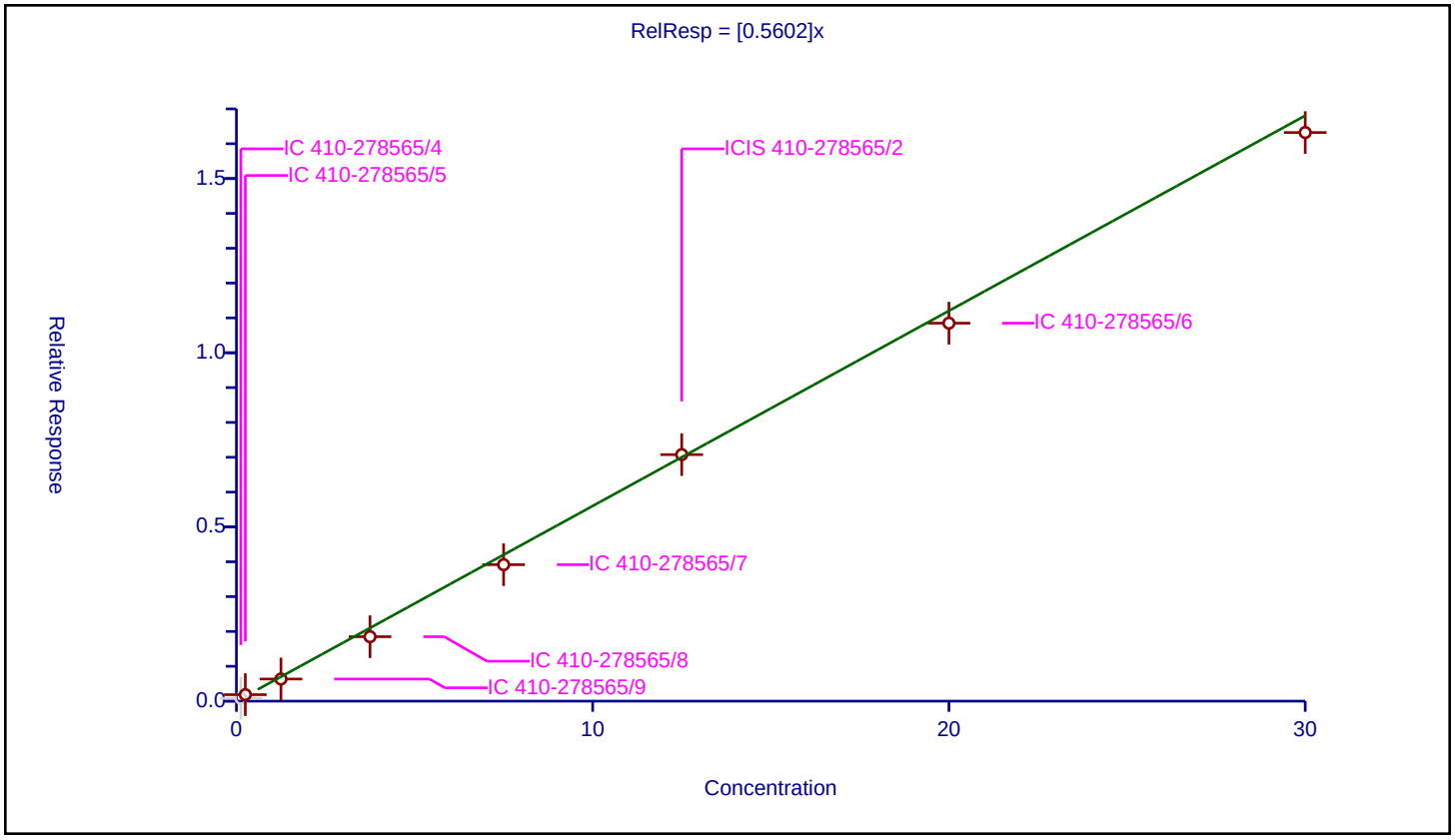
Curve Coefficients

Intercept:	0
Slope:	0.5602

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	15.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.082021	5.0	639836.0	0.656168	N
2	IC 410-278565/5	0.25	0.186288	5.0	634851.0	0.745151	Y
3	IC 410-278565/9	1.25	0.635157	5.0	678470.0	0.508126	Y
4	IC 410-278565/8	3.75	1.849911	5.0	698531.0	0.49331	Y
5	IC 410-278565/7	7.5	3.916923	5.0	684342.0	0.522256	Y
6	ICIS 410-278565/2	12.5	7.075861	5.0	603022.0	0.566069	Y
7	IC 410-278565/6	20.0	10.849164	5.0	553874.0	0.542458	Y
8	IC 410-278565/3	30.0	16.321466	5.0	607420.0	0.544049	Y



Calibration / N-Nitrosopiperidine

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

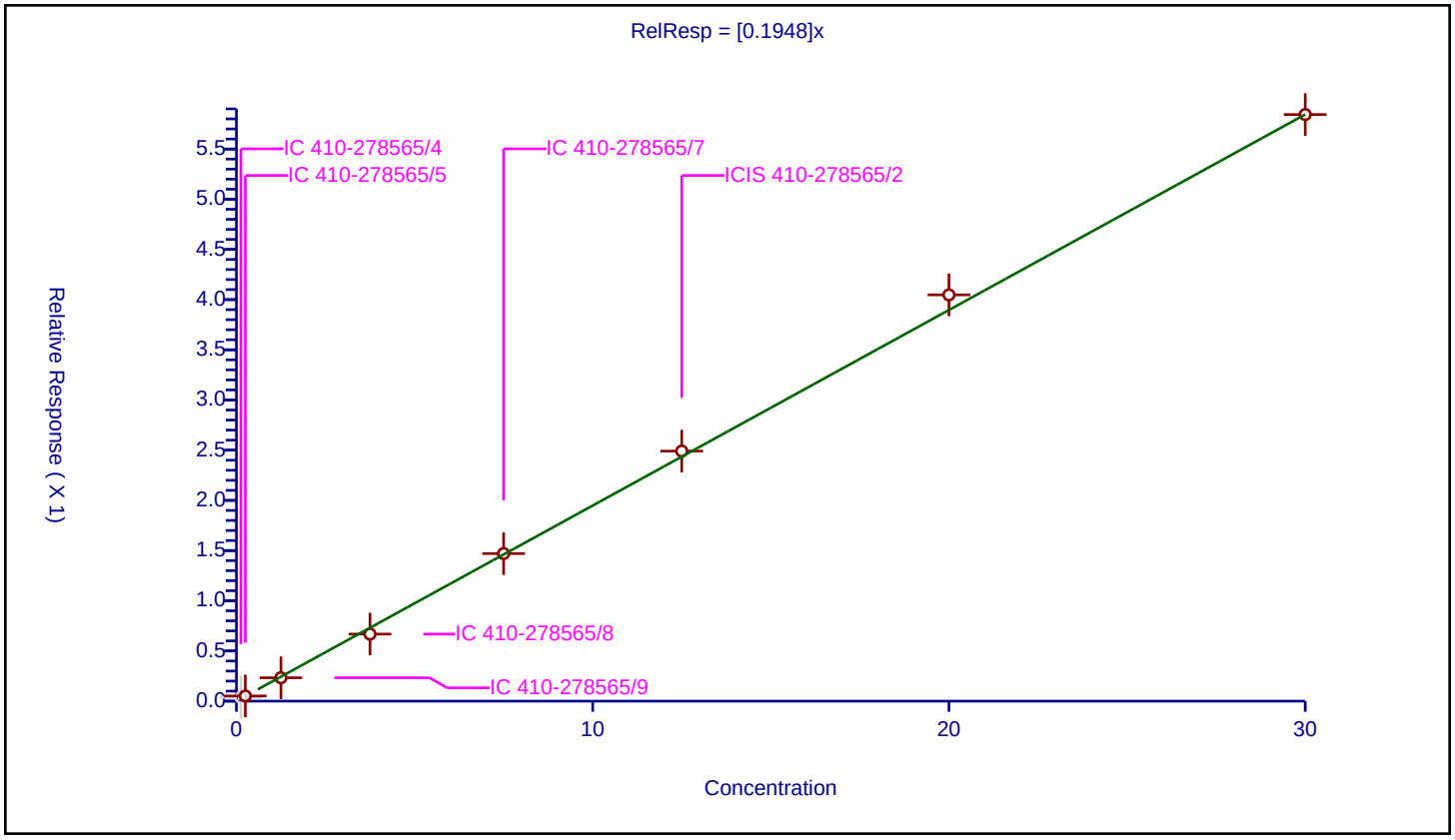
Curve Coefficients

Intercept:	0
Slope:	0.1948

Error Coefficients

Standard Error:	375000
Relative Standard Error:	5.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.037955	5.0	639836.0	0.30364	N
2	IC 410-278565/5	0.25	0.051721	5.0	634851.0	0.206883	Y
3	IC 410-278565/9	1.25	0.232862	5.0	678470.0	0.18629	Y
4	IC 410-278565/8	3.75	0.668109	5.0	698531.0	0.178162	Y
5	IC 410-278565/7	7.5	1.470149	5.0	684342.0	0.19602	Y
6	ICIS 410-278565/2	12.5	2.490929	5.0	603022.0	0.199274	Y
7	IC 410-278565/6	20.0	4.047347	5.0	553874.0	0.202367	Y
8	IC 410-278565/3	30.0	5.843864	5.0	607420.0	0.194795	Y



Calibration / Isophorone

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

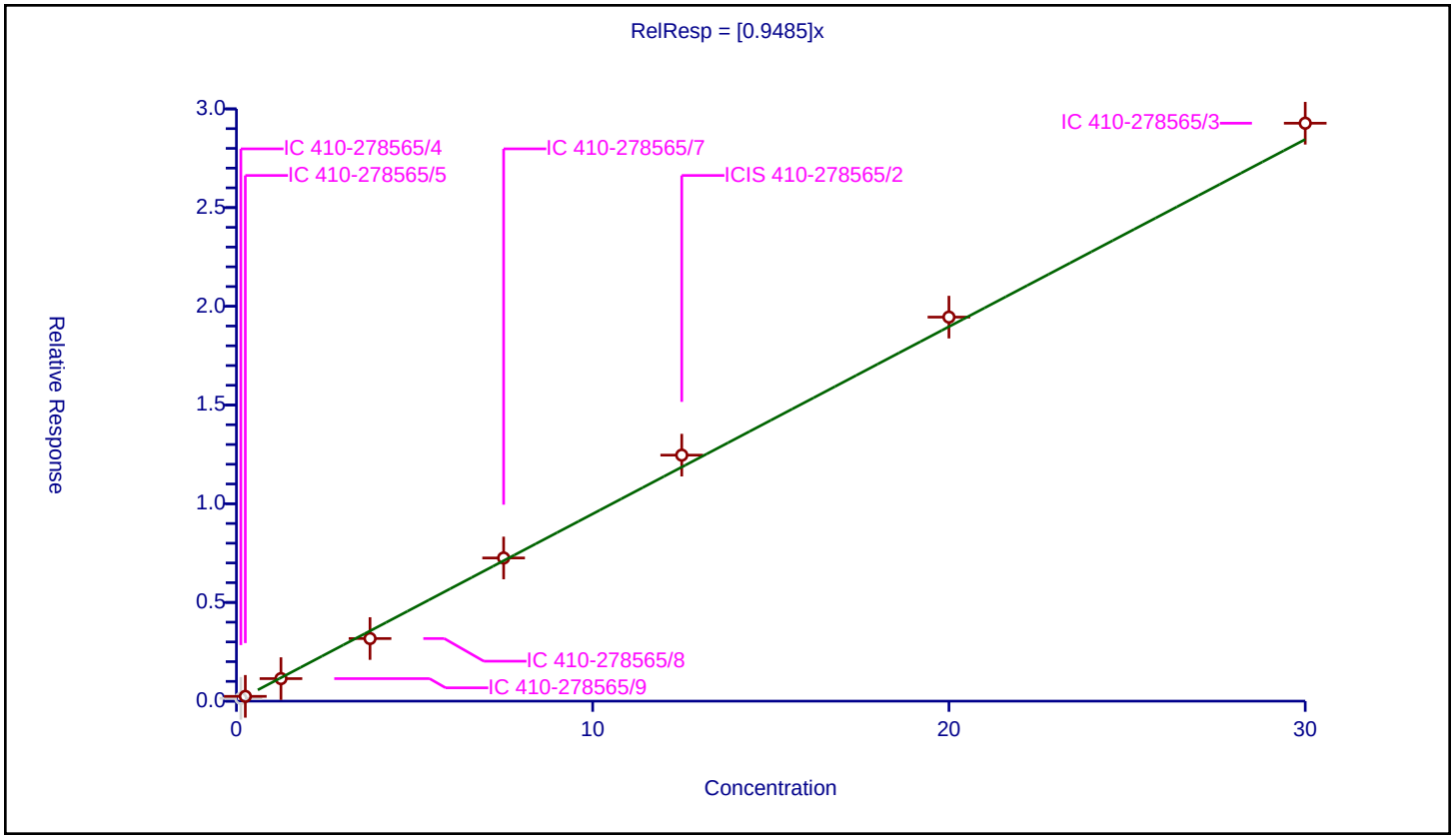
Curve Coefficients

Intercept:	0
Slope:	0.9485

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	5.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.140724	5.0	639836.0	1.125788	N
2	IC 410-278565/5	0.25	0.242159	5.0	634851.0	0.968637	Y
3	IC 410-278565/9	1.25	1.140773	5.0	678470.0	0.912618	Y
4	IC 410-278565/8	3.75	3.171599	5.0	698531.0	0.84576	Y
5	IC 410-278565/7	7.5	7.252105	5.0	684342.0	0.966947	Y
6	ICIS 410-278565/2	12.5	12.460632	5.0	603022.0	0.996851	Y
7	IC 410-278565/6	20.0	19.453098	5.0	553874.0	0.972655	Y
8	IC 410-278565/3	30.0	29.273534	5.0	607420.0	0.975784	Y



Calibration / 2-Nitrophenol

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

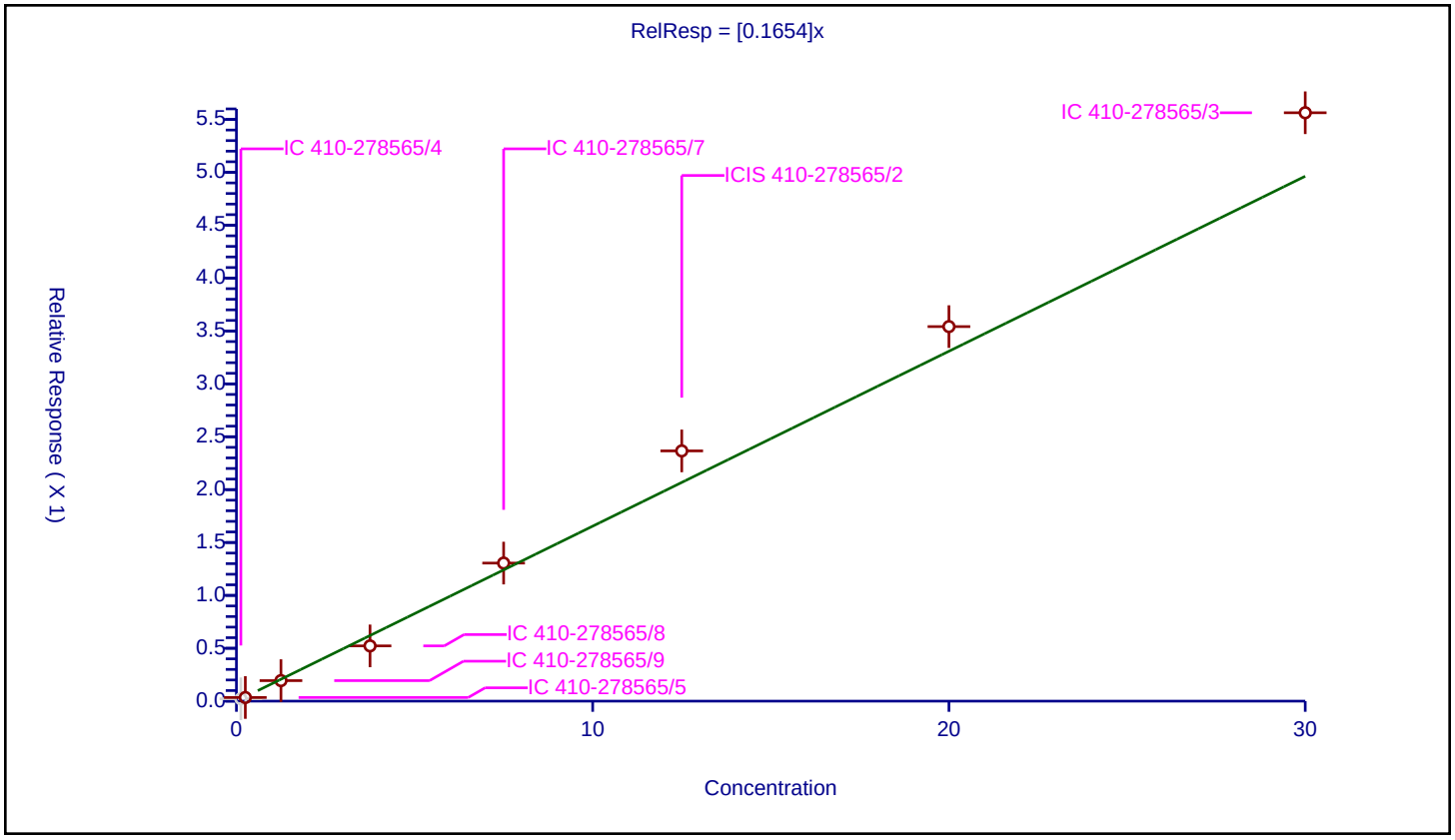
Curve Coefficients

Intercept:	0
Slope:	0.1654

Error Coefficients

Standard Error:	349000
Relative Standard Error:	12.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.022654	5.0	639836.0	0.181234	N
2	IC 410-278565/5	0.25	0.034378	5.0	634851.0	0.137513	Y
3	IC 410-278565/9	1.25	0.194143	5.0	678470.0	0.155314	Y
4	IC 410-278565/8	3.75	0.522547	5.0	698531.0	0.139346	Y
5	IC 410-278565/7	7.5	1.305415	5.0	684342.0	0.174055	Y
6	ICIS 410-278565/2	12.5	2.366182	5.0	603022.0	0.189295	Y
7	IC 410-278565/6	20.0	3.541356	5.0	553874.0	0.177068	Y
8	IC 410-278565/3	30.0	5.563391	5.0	607420.0	0.185446	Y



Calibration / 2,4-Dimethylphenol

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

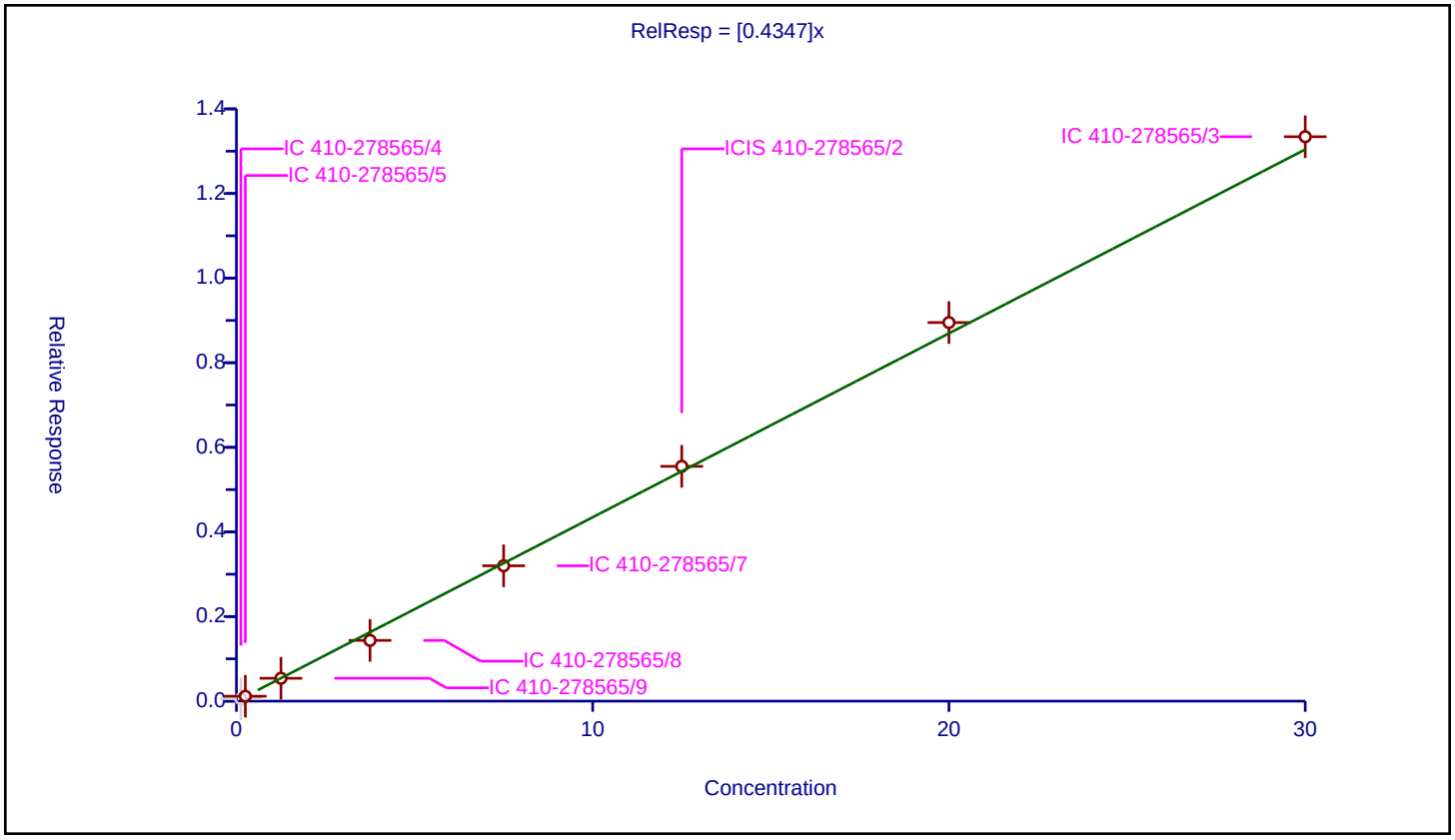
Curve Coefficients

Intercept:	0
Slope:	0.4347

Error Coefficients

Standard Error:	846000
Relative Standard Error:	6.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.05635	5.0	639836.0	0.450803	N
2	IC 410-278565/5	0.25	0.1162	5.0	634851.0	0.464802	Y
3	IC 410-278565/9	1.25	0.540333	5.0	678470.0	0.432267	Y
4	IC 410-278565/8	3.75	1.435813	5.0	698531.0	0.382884	Y
5	IC 410-278565/7	7.5	3.199329	5.0	684342.0	0.426577	Y
6	ICIS 410-278565/2	12.5	5.550403	5.0	603022.0	0.444032	Y
7	IC 410-278565/6	20.0	8.949499	5.0	553874.0	0.447475	Y
8	IC 410-278565/3	30.0	13.341946	5.0	607420.0	0.444732	Y



Calibration

/ o,o',o''-Triethylphosphorothioate

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

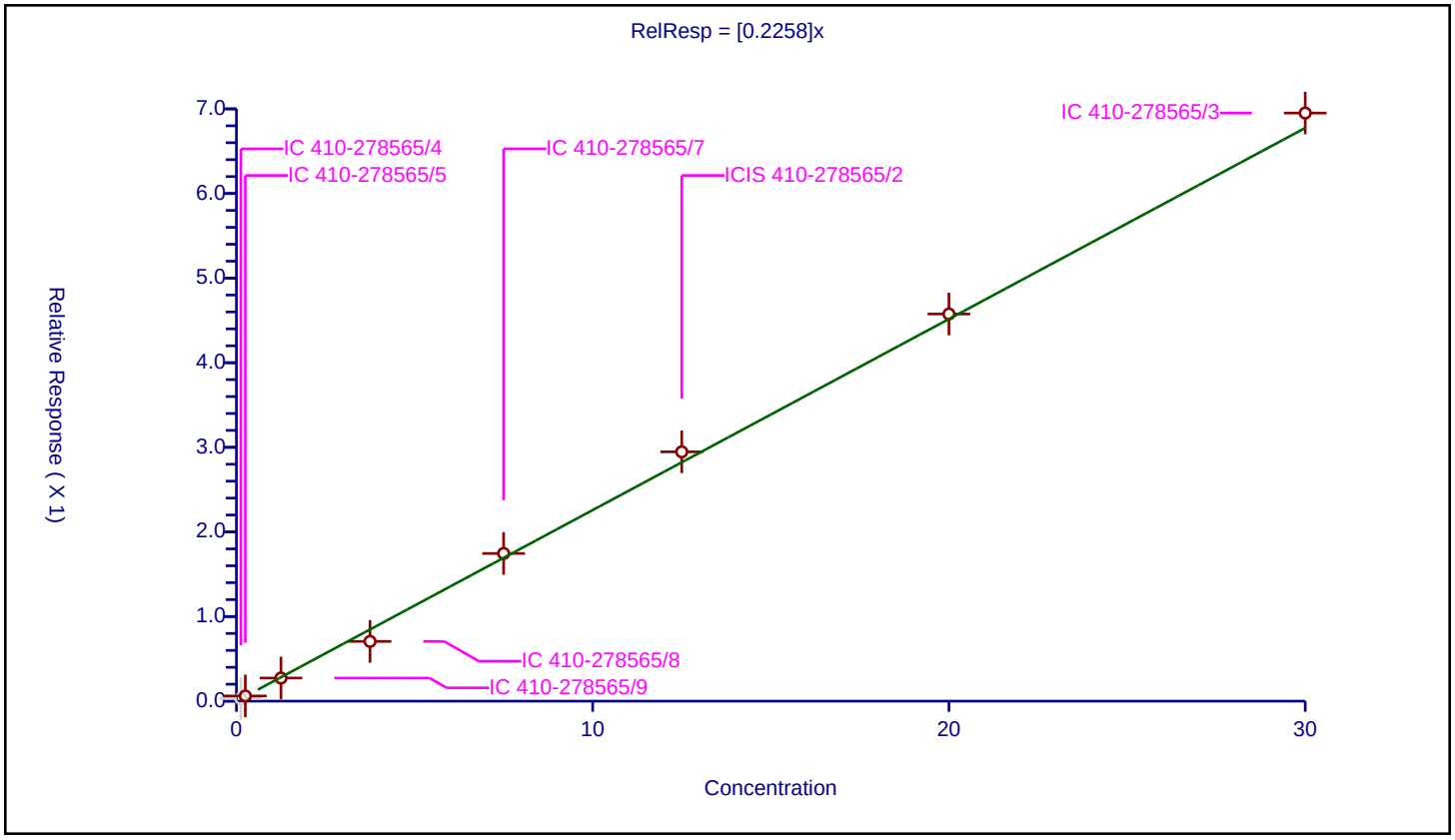
Curve Coefficients

Intercept:	0
Slope:	0.2258

Error Coefficients

Standard Error:	441000
Relative Standard Error:	8.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.030992	5.0	639836.0	0.247939	N
2	IC 410-278565/5	0.25	0.061258	5.0	634851.0	0.245034	Y
3	IC 410-278565/9	1.25	0.27307	5.0	678470.0	0.218456	Y
4	IC 410-278565/8	3.75	0.70606	5.0	698531.0	0.188283	Y
5	IC 410-278565/7	7.5	1.745531	5.0	684342.0	0.232737	Y
6	ICIS 410-278565/2	12.5	2.946816	5.0	603022.0	0.235745	Y
7	IC 410-278565/6	20.0	4.575662	5.0	553874.0	0.228783	Y
8	IC 410-278565/3	30.0	6.950767	5.0	607420.0	0.231692	Y



Calibration / Bis(2-chloroethoxy)methane

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

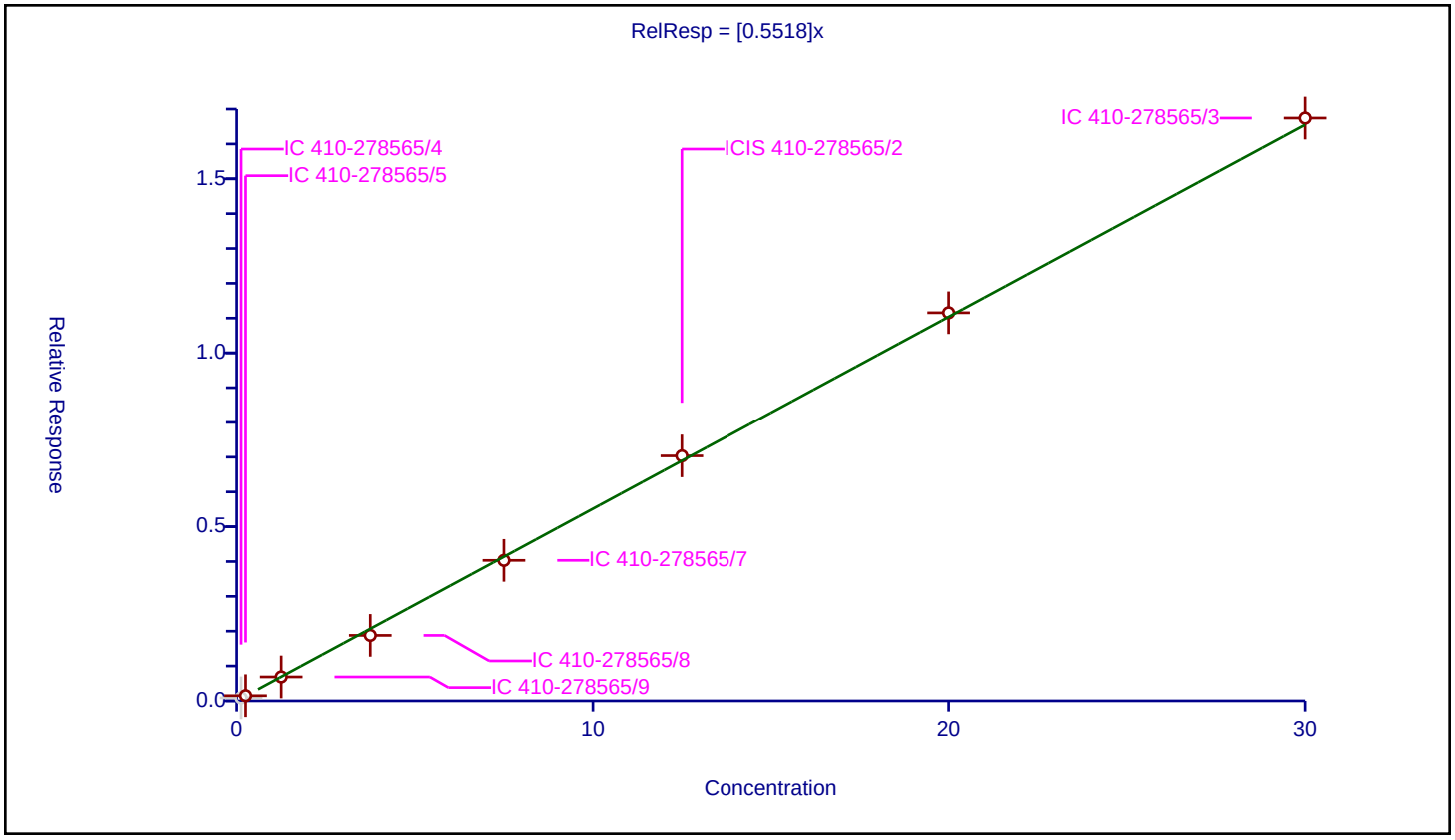
Curve Coefficients

Intercept:	0
Slope:	0.5518

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	5.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.087054	5.0	639836.0	0.696428	N
2	IC 410-278565/5	0.25	0.14872	5.0	634851.0	0.59488	Y
3	IC 410-278565/9	1.25	0.687112	5.0	678470.0	0.54969	Y
4	IC 410-278565/8	3.75	1.879523	5.0	698531.0	0.501206	Y
5	IC 410-278565/7	7.5	4.033765	5.0	684342.0	0.537835	Y
6	ICIS 410-278565/2	12.5	7.0368	5.0	603022.0	0.562944	Y
7	IC 410-278565/6	20.0	11.154513	5.0	553874.0	0.557726	Y
8	IC 410-278565/3	30.0	16.742896	5.0	607420.0	0.558097	Y



Calibration / 2,4-Dichlorophenol

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

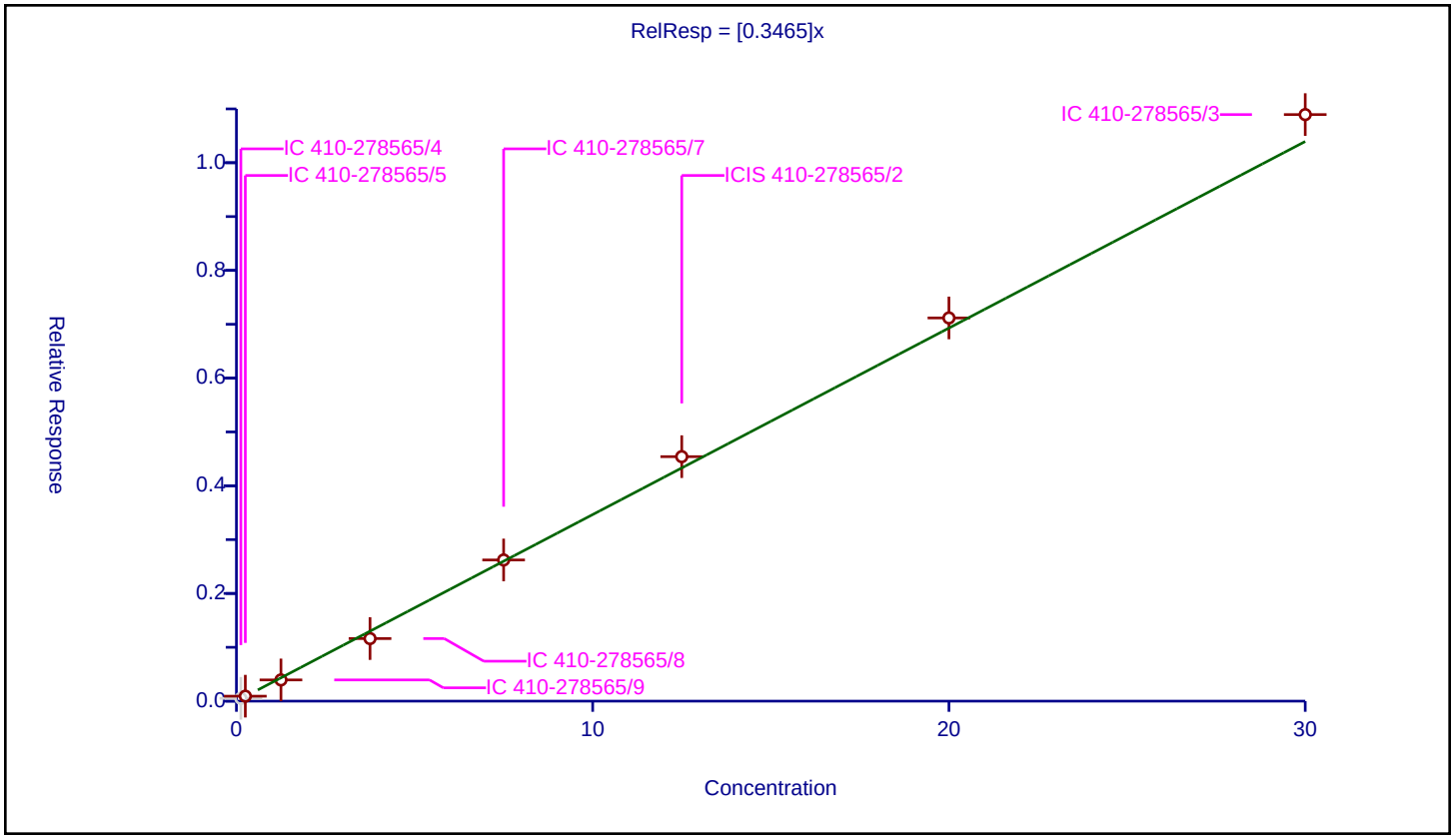
Curve Coefficients

Intercept:	0
Slope:	0.3465

Error Coefficients

Standard Error:	687000
Relative Standard Error:	6.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.051966	5.0	639836.0	0.415732	N
2	IC 410-278565/5	0.25	0.092077	5.0	634851.0	0.368307	Y
3	IC 410-278565/9	1.25	0.394041	5.0	678470.0	0.315233	Y
4	IC 410-278565/8	3.75	1.162468	5.0	698531.0	0.309991	Y
5	IC 410-278565/7	7.5	2.622168	5.0	684342.0	0.349622	Y
6	ICIS 410-278565/2	12.5	4.541053	5.0	603022.0	0.363284	Y
7	IC 410-278565/6	20.0	7.11744	5.0	553874.0	0.355872	Y
8	IC 410-278565/3	30.0	10.893961	5.0	607420.0	0.363132	Y



Calibration / 1,2,4-Trichlorobenzene

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

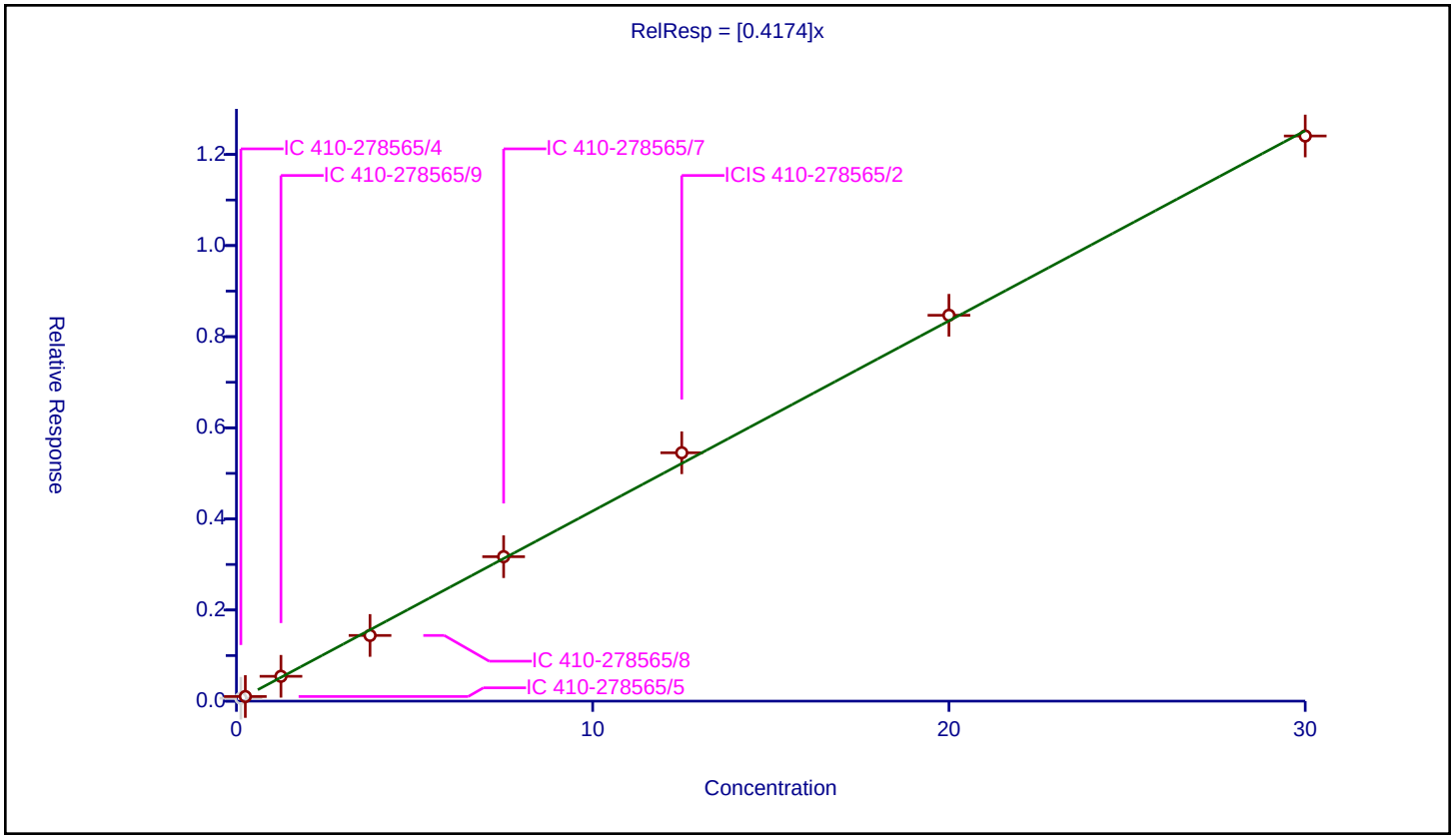
Curve Coefficients

Intercept:	0
Slope:	0.4174

Error Coefficients

Standard Error:	798000
Relative Standard Error:	4.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.063235	5.0	639836.0	0.50588	N
2	IC 410-278565/5	0.25	0.101307	5.0	634851.0	0.405229	Y
3	IC 410-278565/9	1.25	0.544917	5.0	678470.0	0.435934	Y
4	IC 410-278565/8	3.75	1.441862	5.0	698531.0	0.384496	Y
5	IC 410-278565/7	7.5	3.170586	5.0	684342.0	0.422745	Y
6	ICIS 410-278565/2	12.5	5.451924	5.0	603022.0	0.436154	Y
7	IC 410-278565/6	20.0	8.470121	5.0	553874.0	0.423506	Y
8	IC 410-278565/3	30.0	12.405378	5.0	607420.0	0.413513	Y



Calibration / Naphthalene

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

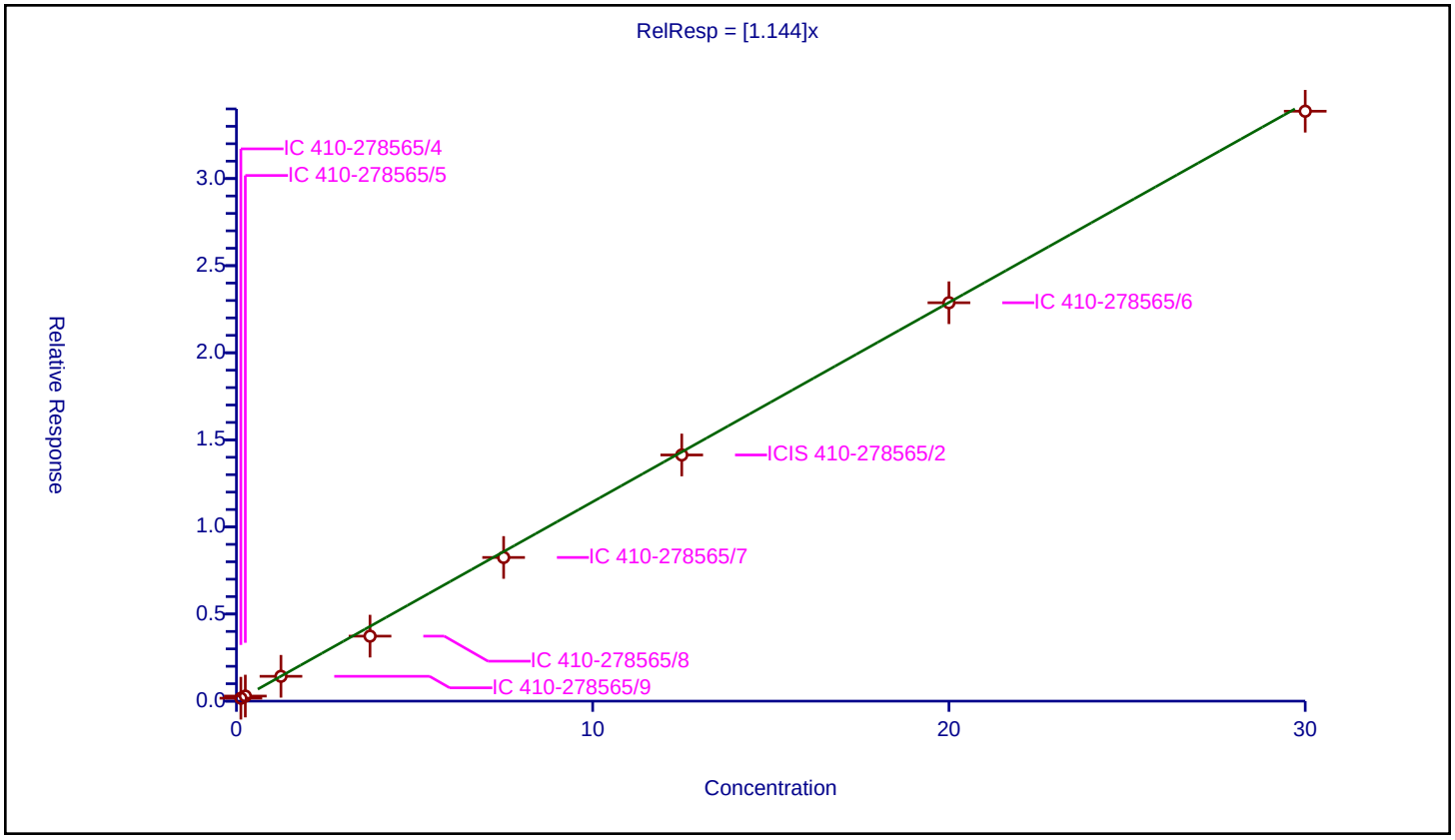
Curve Coefficients

Intercept:	0
Slope:	1.144

Error Coefficients

Standard Error:	1990000
Relative Standard Error:	8.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.168871	5.0	639836.0	1.350971	Y
2	IC 410-278565/5	0.25	0.291249	5.0	634851.0	1.164998	Y
3	IC 410-278565/9	1.25	1.426408	5.0	678470.0	1.141126	Y
4	IC 410-278565/8	3.75	3.731116	5.0	698531.0	0.994964	Y
5	IC 410-278565/7	7.5	8.247543	5.0	684342.0	1.099672	Y
6	ICIS 410-278565/2	12.5	14.132469	5.0	603022.0	1.130598	Y
7	IC 410-278565/6	20.0	22.871682	5.0	553874.0	1.143584	Y
8	IC 410-278565/3	30.0	33.867299	5.0	607420.0	1.12891	Y



Calibration / Alpha-Terpineol

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

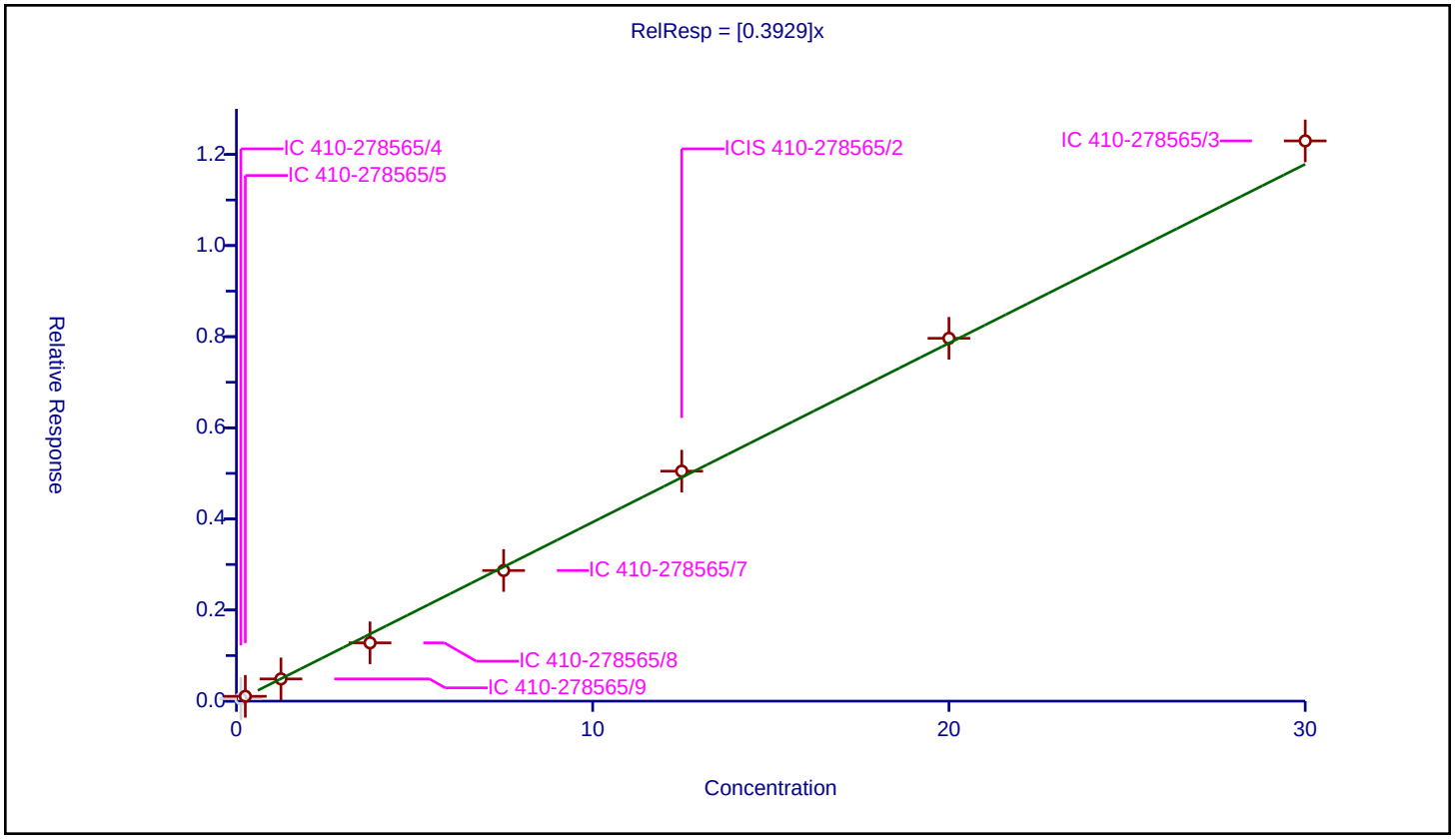
Curve Coefficients

Intercept:	0
Slope:	0.3929

Error Coefficients

Standard Error:	772000
Relative Standard Error:	6.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.054522	5.0	639836.0	0.436174	N
2	IC 410-278565/5	0.25	0.106064	5.0	634851.0	0.424257	Y
3	IC 410-278565/9	1.25	0.487693	5.0	678470.0	0.390154	Y
4	IC 410-278565/8	3.75	1.279986	5.0	698531.0	0.34133	Y
5	IC 410-278565/7	7.5	2.867448	5.0	684342.0	0.382326	Y
6	ICIS 410-278565/2	12.5	5.047867	5.0	603022.0	0.403829	Y
7	IC 410-278565/6	20.0	7.964483	5.0	553874.0	0.398224	Y
8	IC 410-278565/3	30.0	12.2972	5.0	607420.0	0.409907	Y



Calibration / 4-Chloroaniline

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

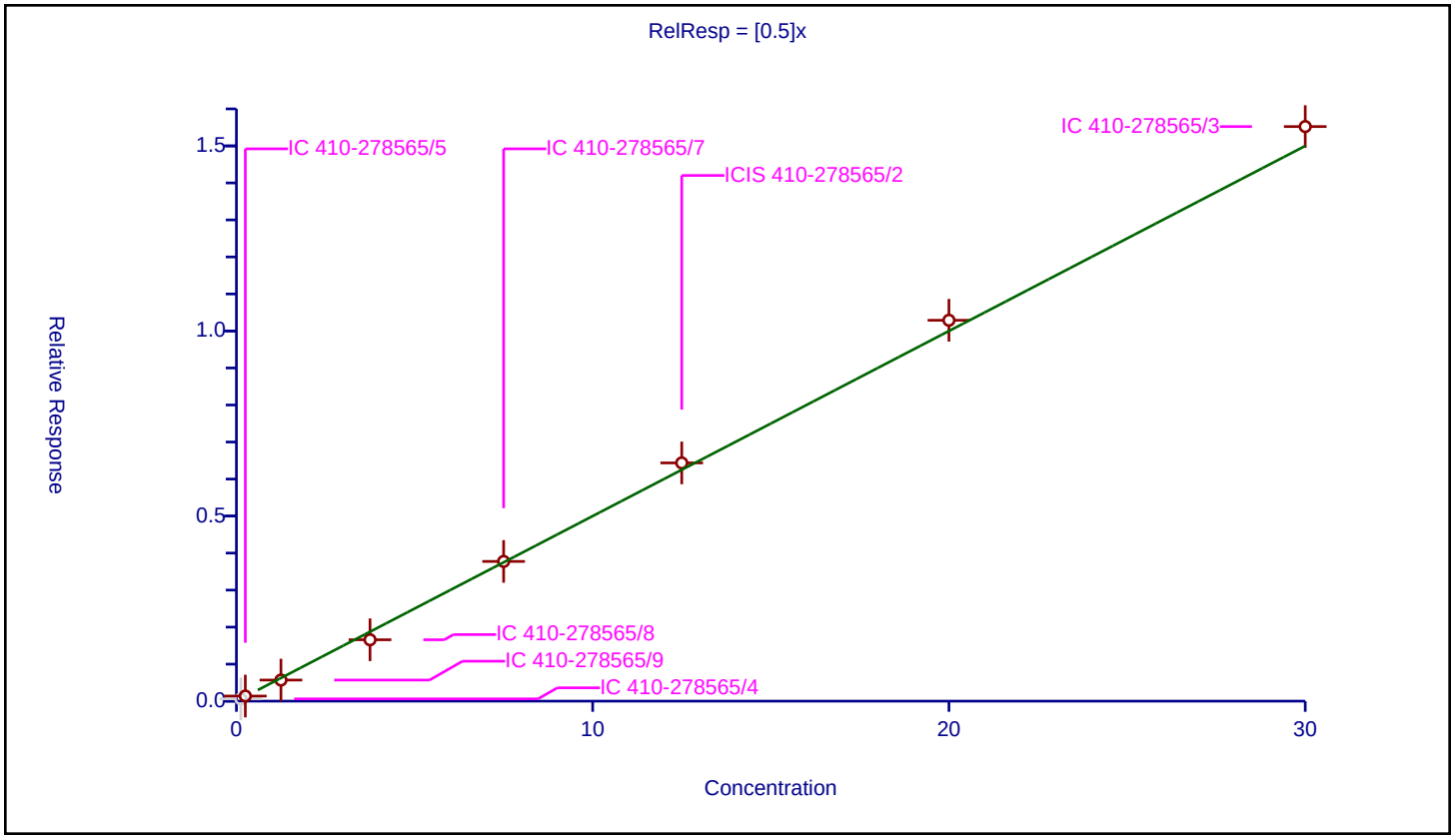
Curve Coefficients

Intercept:	0
Slope:	0.5

Error Coefficients

Standard Error:	982000
Relative Standard Error:	7.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.061578	5.0	639836.0	0.492626	N
2	IC 410-278565/5	0.25	0.137993	5.0	634851.0	0.551972	Y
3	IC 410-278565/9	1.25	0.569576	5.0	678470.0	0.455661	Y
4	IC 410-278565/8	3.75	1.657965	5.0	698531.0	0.442124	Y
5	IC 410-278565/7	7.5	3.774619	5.0	684342.0	0.503282	Y
6	ICIS 410-278565/2	12.5	6.43605	5.0	603022.0	0.514884	Y
7	IC 410-278565/6	20.0	10.289597	5.0	553874.0	0.51448	Y
8	IC 410-278565/3	30.0	15.522028	5.0	607420.0	0.517401	Y



Calibration / 2,6-Dichlorophenol

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

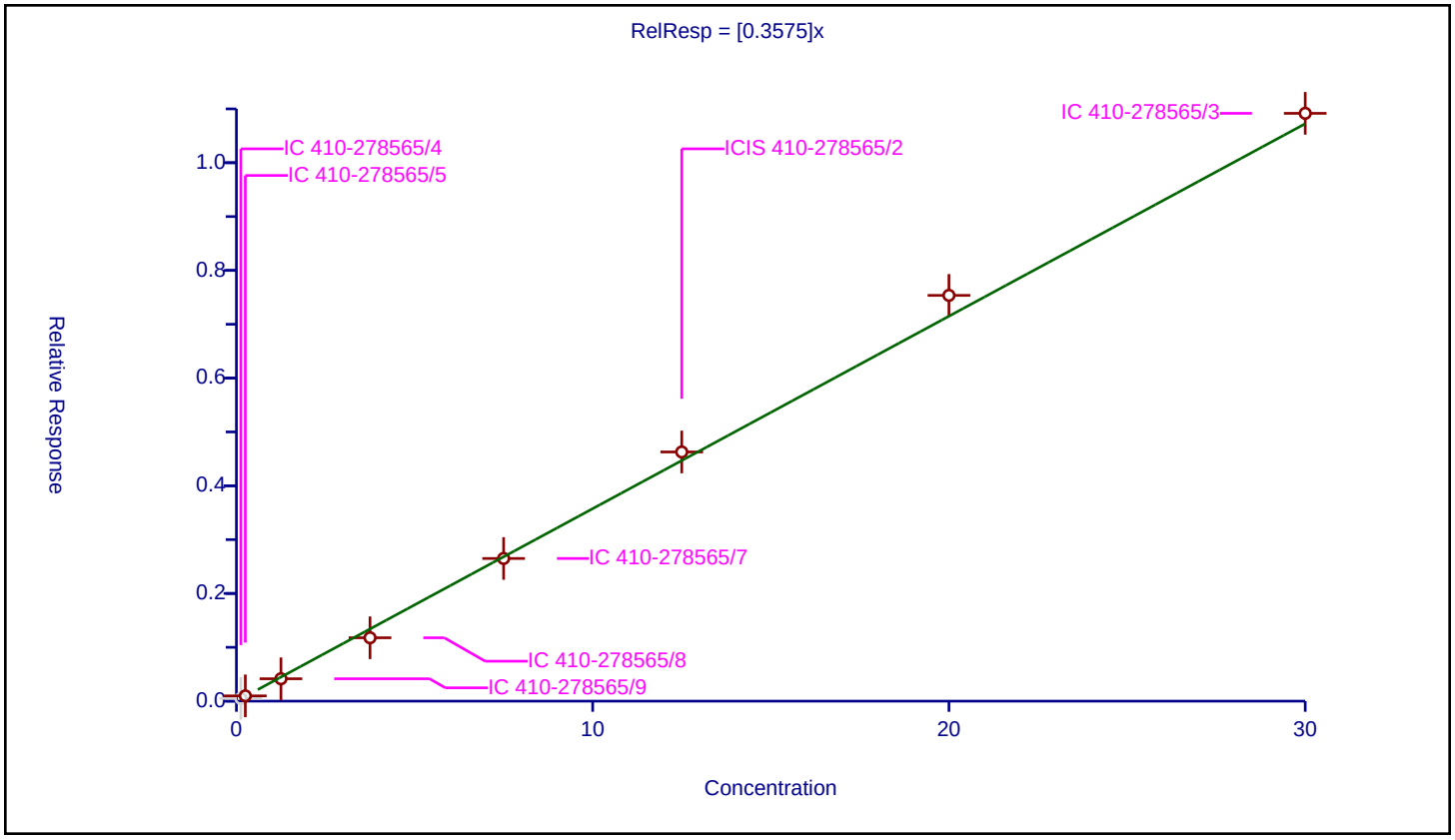
Curve Coefficients

Intercept:	0
Slope:	0.3575

Error Coefficients

Standard Error:	699000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.051005	5.0	639836.0	0.408042	N
2	IC 410-278565/5	0.25	0.097921	5.0	634851.0	0.391682	Y
3	IC 410-278565/9	1.25	0.415671	5.0	678470.0	0.332536	Y
4	IC 410-278565/8	3.75	1.177034	5.0	698531.0	0.313876	Y
5	IC 410-278565/7	7.5	2.64975	5.0	684342.0	0.3533	Y
6	ICIS 410-278565/2	12.5	4.628223	5.0	603022.0	0.370258	Y
7	IC 410-278565/6	20.0	7.536046	5.0	553874.0	0.376802	Y
8	IC 410-278565/3	30.0	10.917314	5.0	607420.0	0.36391	Y



Calibration / Hexachloropropene

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

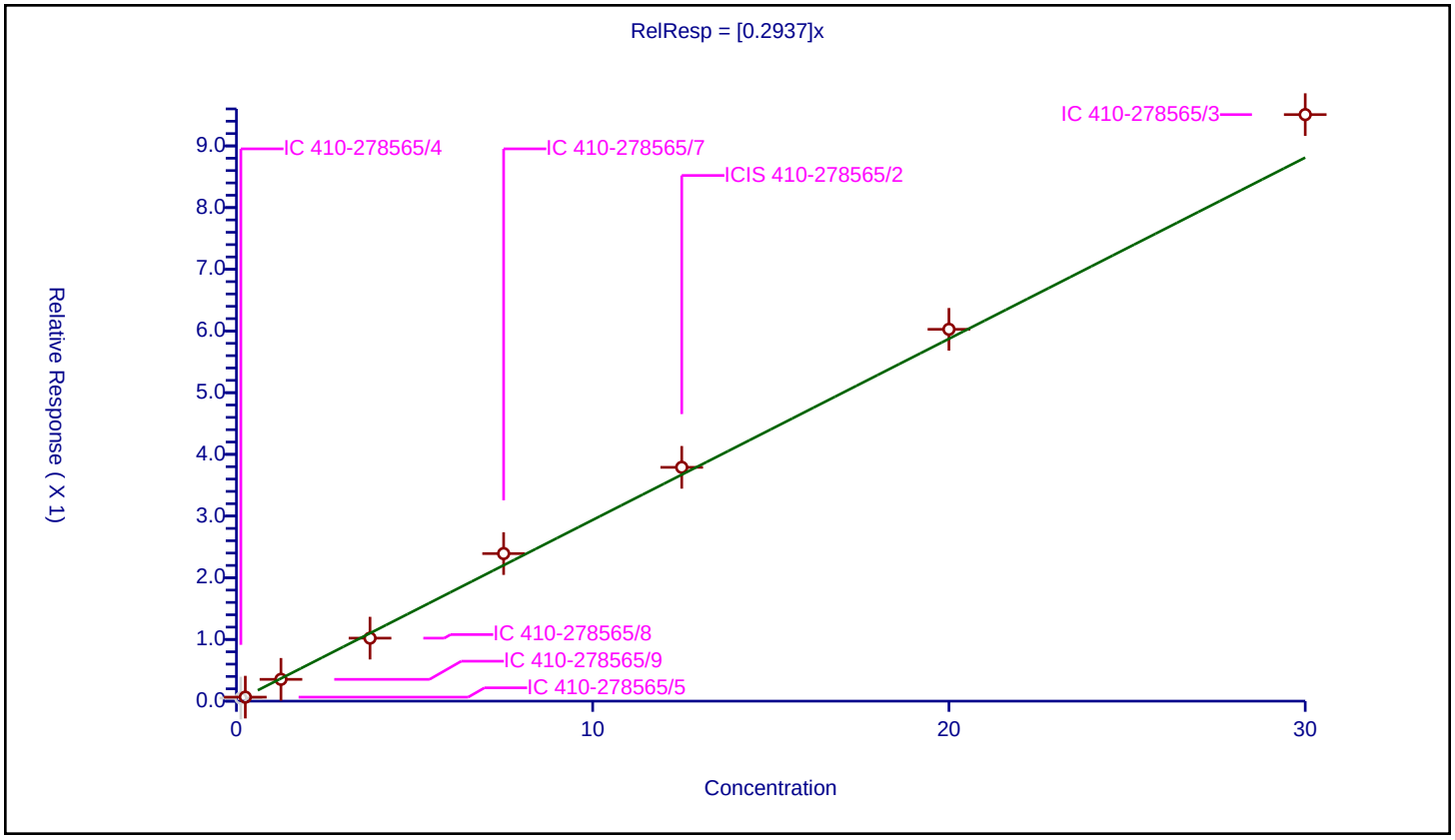
Curve Coefficients

Intercept:	0
Slope:	0.2937

Error Coefficients

Standard Error:	594000
Relative Standard Error:	7.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.049341	5.0	639836.0	0.394726	N
2	IC 410-278565/5	0.25	0.06507	5.0	634851.0	0.260282	Y
3	IC 410-278565/9	1.25	0.353464	5.0	678470.0	0.282772	Y
4	IC 410-278565/8	3.75	1.0212	5.0	698531.0	0.27232	Y
5	IC 410-278565/7	7.5	2.392042	5.0	684342.0	0.318939	Y
6	ICIS 410-278565/2	12.5	3.789729	5.0	603022.0	0.303178	Y
7	IC 410-278565/6	20.0	6.027156	5.0	553874.0	0.301358	Y
8	IC 410-278565/3	30.0	9.506989	5.0	607420.0	0.3169	Y



Calibration / Hexachlorobutadiene

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

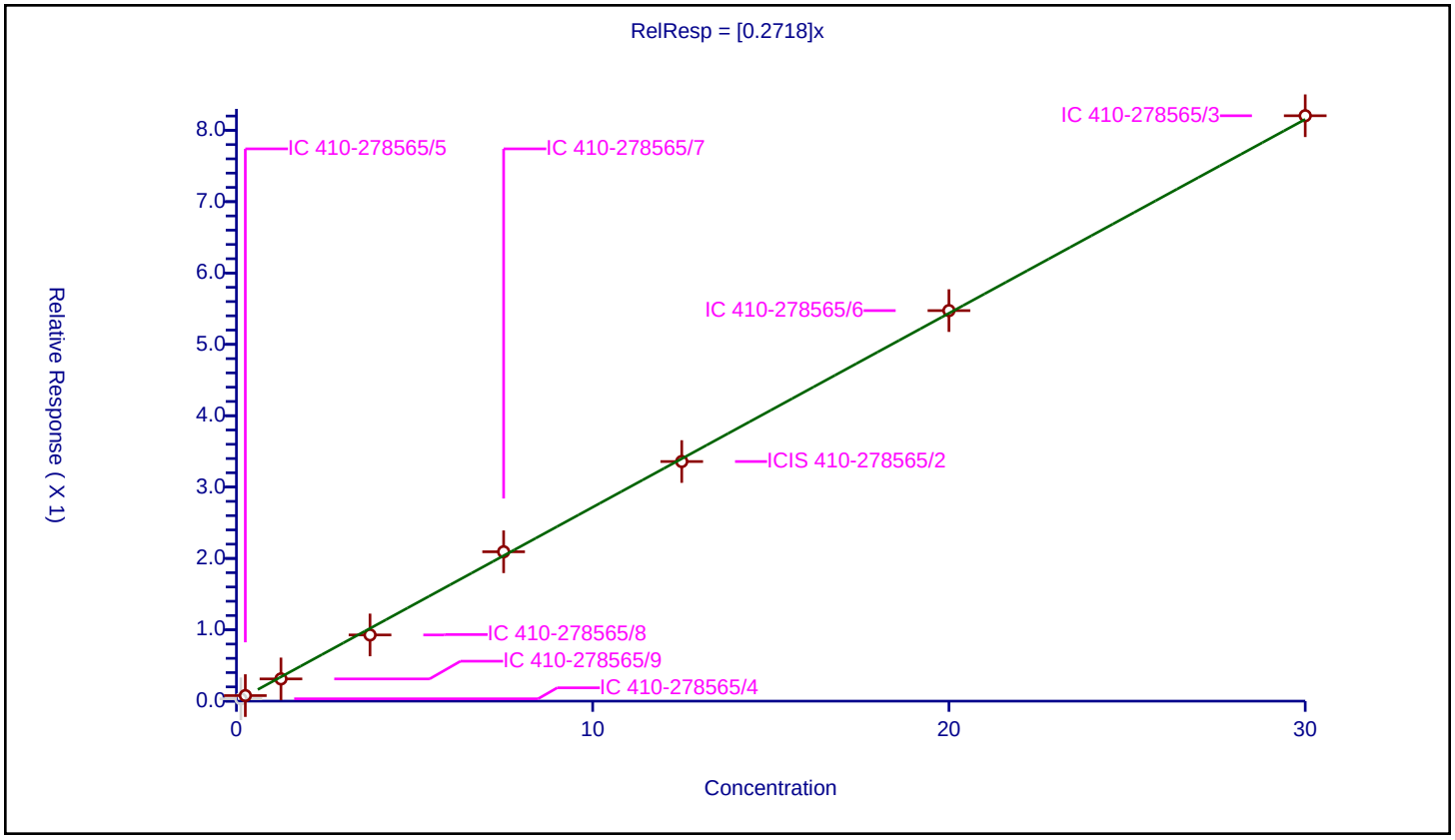
Curve Coefficients

Intercept:	0
Slope:	0.2718

Error Coefficients

Standard Error:	521000
Relative Standard Error:	7.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.033133	5.0	639836.0	0.265068	N
2	IC 410-278565/5	0.25	0.077751	5.0	634851.0	0.311002	Y
3	IC 410-278565/9	1.25	0.311635	5.0	678470.0	0.249308	Y
4	IC 410-278565/8	3.75	0.927661	5.0	698531.0	0.247376	Y
5	IC 410-278565/7	7.5	2.093244	5.0	684342.0	0.279099	Y
6	ICIS 410-278565/2	12.5	3.358153	5.0	603022.0	0.268652	Y
7	IC 410-278565/6	20.0	5.473303	5.0	553874.0	0.273665	Y
8	IC 410-278565/3	30.0	8.204068	5.0	607420.0	0.273469	Y



Calibration / Quinoline

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

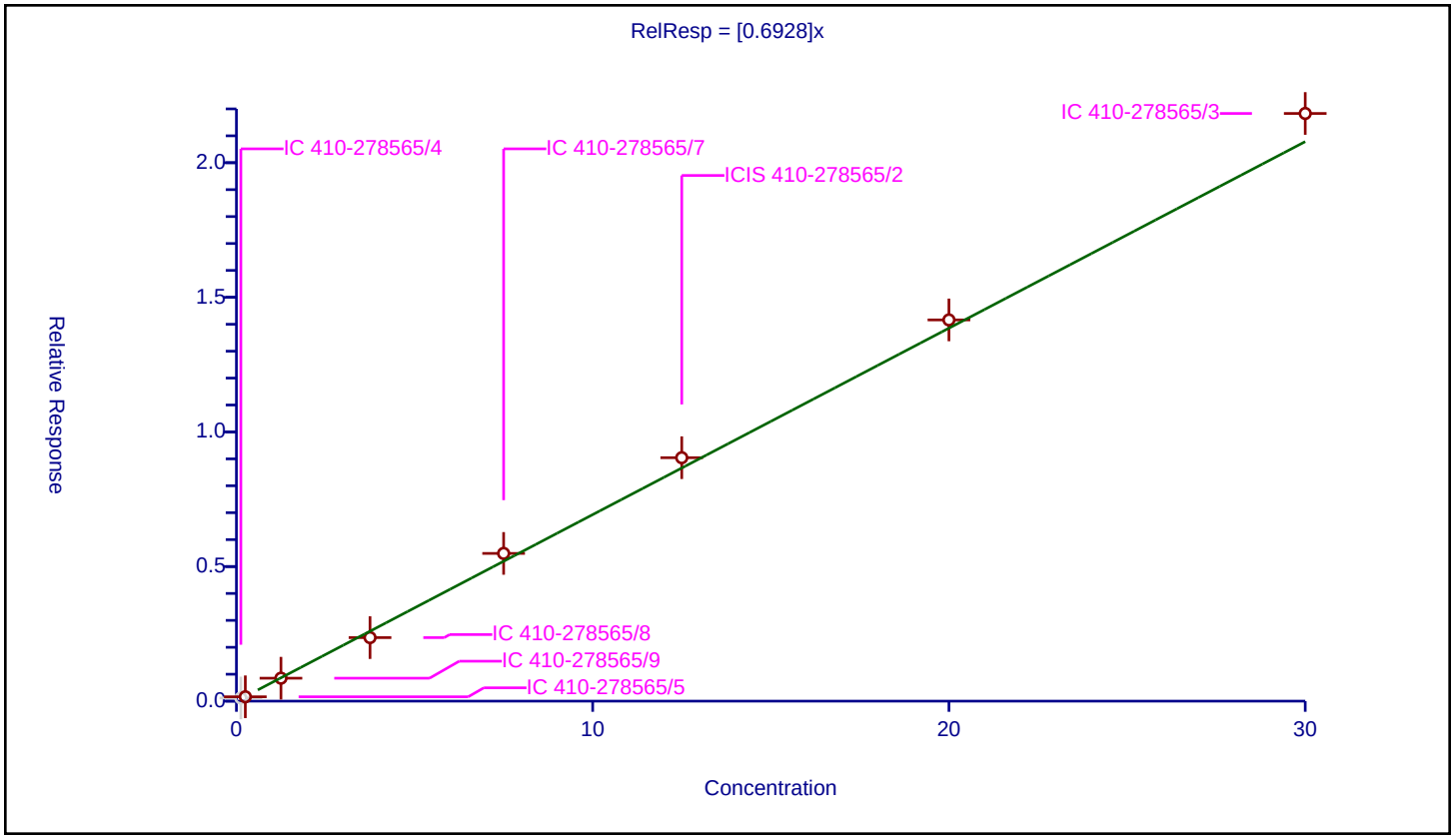
Curve Coefficients

Intercept:	0
Slope:	0.6928

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	5.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.116811	5.0	639836.0	0.934489	N
2	IC 410-278565/5	0.25	0.161802	5.0	634851.0	0.647207	Y
3	IC 410-278565/9	1.25	0.852602	5.0	678470.0	0.682082	Y
4	IC 410-278565/8	3.75	2.36059	5.0	698531.0	0.629491	Y
5	IC 410-278565/7	7.5	5.487044	5.0	684342.0	0.731606	Y
6	ICIS 410-278565/2	12.5	9.04278	5.0	603022.0	0.723422	Y
7	IC 410-278565/6	20.0	14.161118	5.0	553874.0	0.708056	Y
8	IC 410-278565/3	30.0	21.829714	5.0	607420.0	0.727657	Y



Calibration / Caprolactam

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

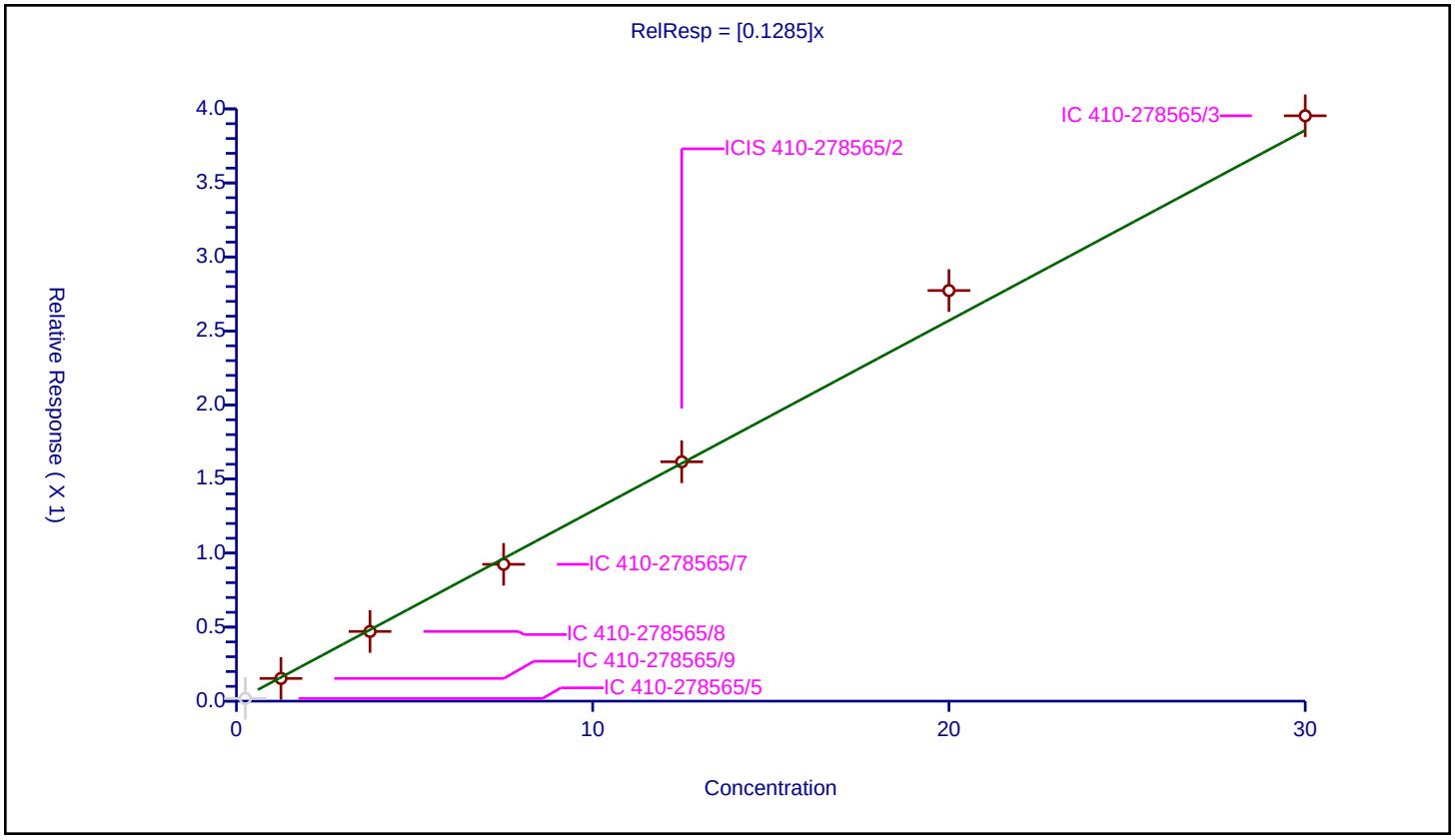
Curve Coefficients

Intercept:	0
Slope:	0.1285

Error Coefficients

Standard Error:	277000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/5	0.25	0.018374	5.0	634851.0	0.073498	N
2	IC 410-278565/9	1.25	0.153264	5.0	678470.0	0.122611	Y
3	IC 410-278565/8	3.75	0.470645	5.0	698531.0	0.125505	Y
4	IC 410-278565/7	7.5	0.924209	5.0	684342.0	0.123228	Y
5	ICIS 410-278565/2	12.5	1.616442	5.0	603022.0	0.129315	Y
6	IC 410-278565/6	20.0	2.773122	5.0	553874.0	0.138656	Y
7	IC 410-278565/3	30.0	3.953492	5.0	607420.0	0.131783	Y



Calibration / N-Nitrosodi-n-butylamine

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

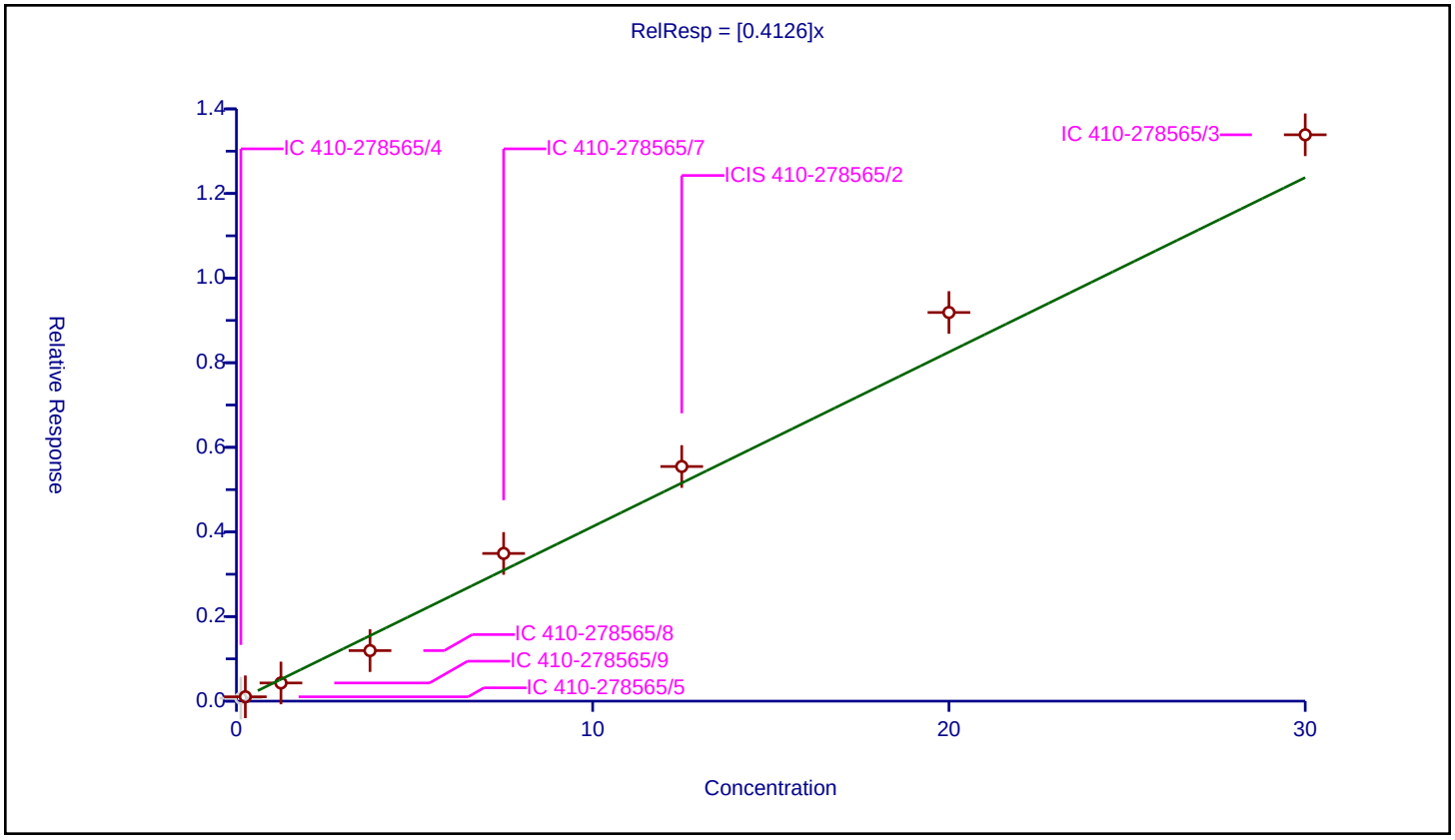
Curve Coefficients

Intercept:	0
Slope:	0.4126

Error Coefficients

Standard Error:	855000
Relative Standard Error:	14.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.070409	5.0	639836.0	0.563269	N
2	IC 410-278565/5	0.25	0.102725	5.0	634851.0	0.4109	Y
3	IC 410-278565/9	1.25	0.429709	5.0	678470.0	0.343768	Y
4	IC 410-278565/8	3.75	1.194557	5.0	698531.0	0.318548	Y
5	IC 410-278565/7	7.5	3.491135	5.0	684342.0	0.465485	Y
6	ICIS 410-278565/2	12.5	5.546564	5.0	603022.0	0.443725	Y
7	IC 410-278565/6	20.0	9.18718	5.0	553874.0	0.459359	Y
8	IC 410-278565/3	30.0	13.387738	5.0	607420.0	0.446258	Y



Calibration / p-Phenylene diamine

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

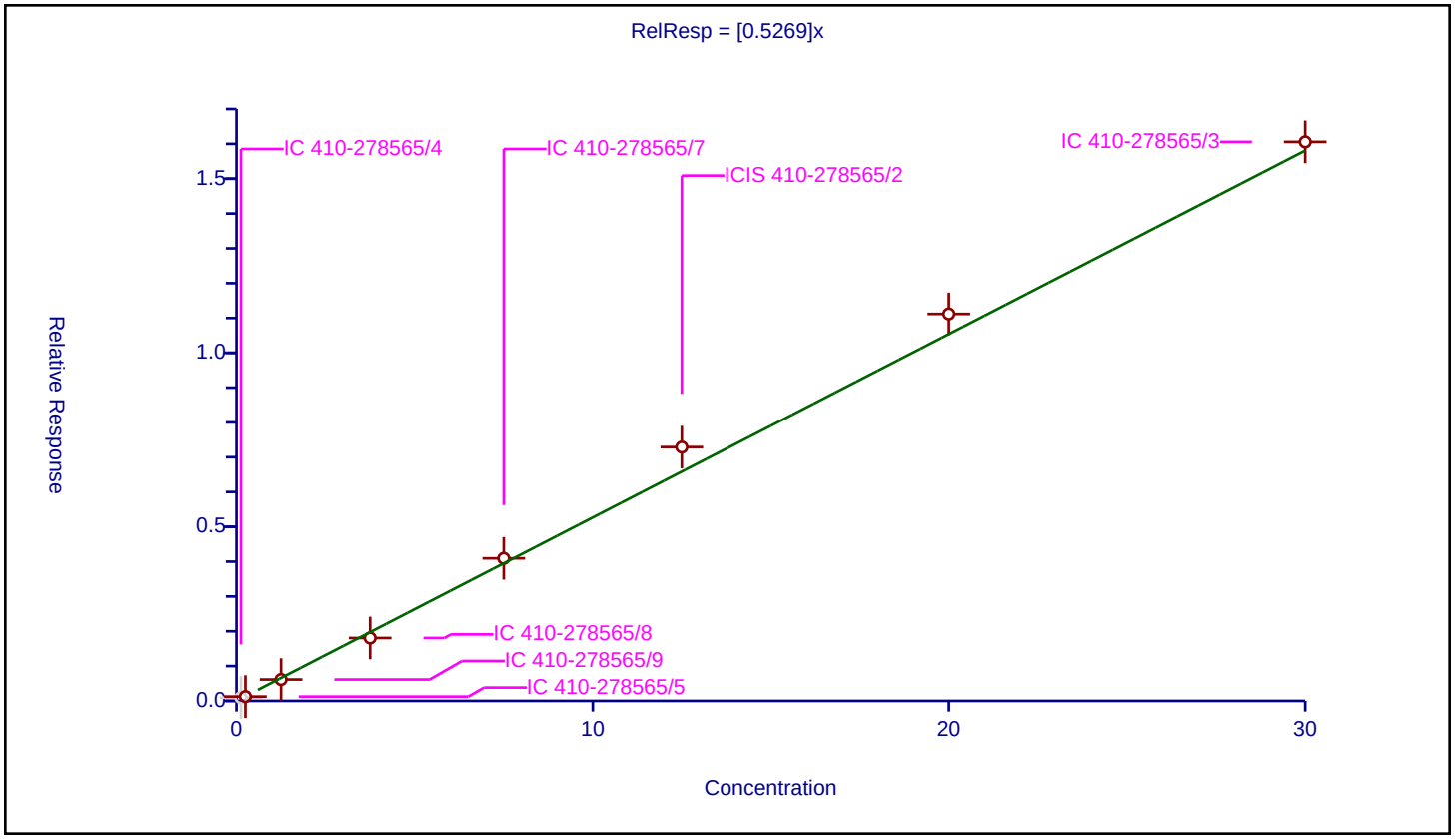
Curve Coefficients

Intercept:	0
Slope:	0.5269

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	7.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.093766	5.0	639836.0	0.75013	N
2	IC 410-278565/5	0.25	0.123824	5.0	634851.0	0.495297	Y
3	IC 410-278565/9	1.25	0.613793	5.0	678470.0	0.491034	Y
4	IC 410-278565/8	3.75	1.807121	5.0	698531.0	0.481899	Y
5	IC 410-278565/7	7.5	4.095029	5.0	684342.0	0.546004	Y
6	ICIS 410-278565/2	12.5	7.29082	5.0	603022.0	0.583266	Y
7	IC 410-278565/6	20.0	11.117276	5.0	553874.0	0.555864	Y
8	IC 410-278565/3	30.0	16.057333	5.0	607420.0	0.535244	Y



Calibration / 4-Chloro-3-methylphenol

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

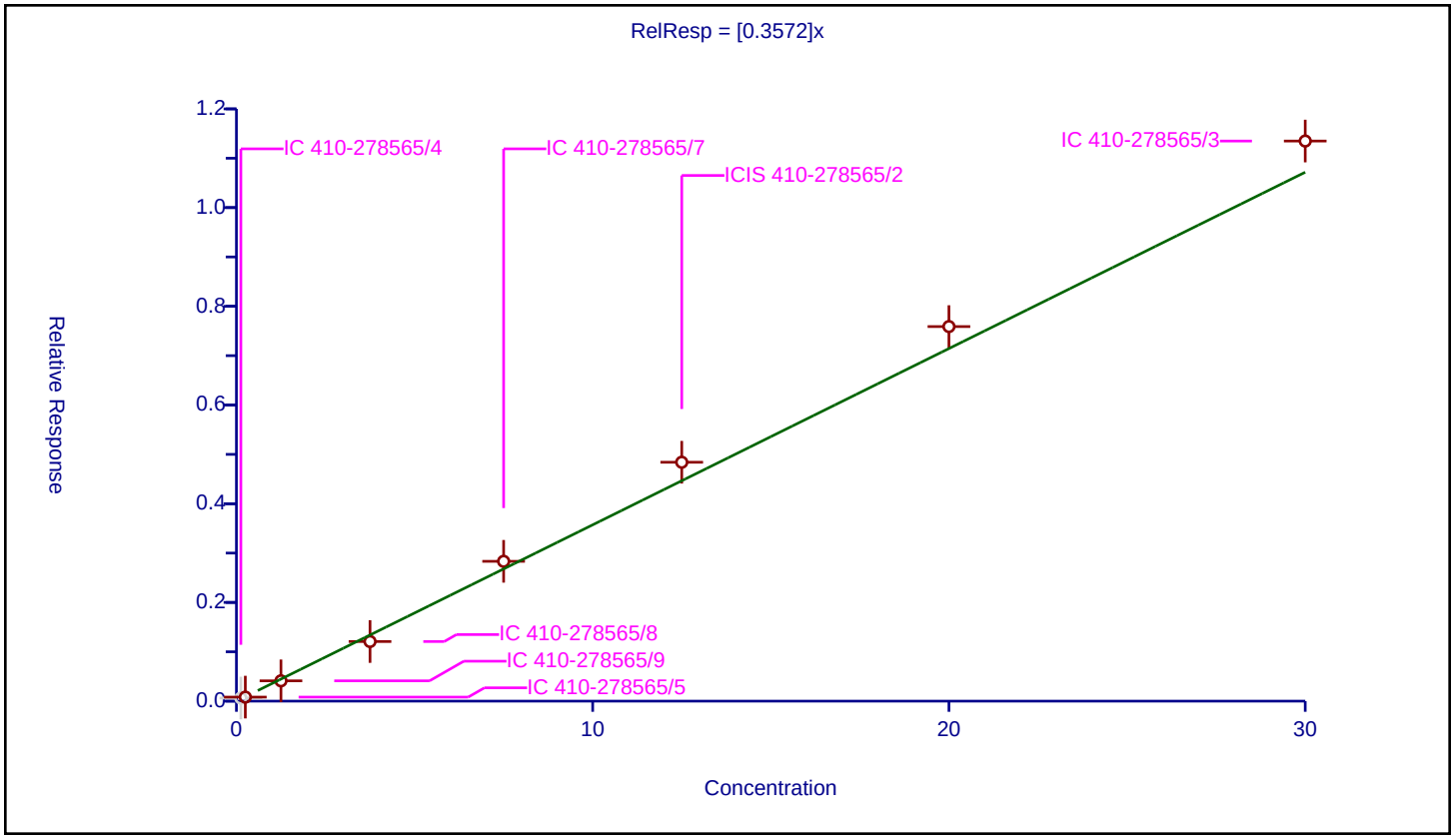
Curve Coefficients

Intercept:	0
Slope:	0.3572

Error Coefficients

Standard Error:	722000
Relative Standard Error:	8.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.062618	5.0	639836.0	0.500941	N
2	IC 410-278565/5	0.25	0.081602	5.0	634851.0	0.326407	Y
3	IC 410-278565/9	1.25	0.41147	5.0	678470.0	0.329176	Y
4	IC 410-278565/8	3.75	1.208228	5.0	698531.0	0.322194	Y
5	IC 410-278565/7	7.5	2.833123	5.0	684342.0	0.37775	Y
6	ICIS 410-278565/2	12.5	4.840586	5.0	603022.0	0.387247	Y
7	IC 410-278565/6	20.0	7.589488	5.0	553874.0	0.379474	Y
8	IC 410-278565/3	30.0	11.348713	5.0	607420.0	0.37829	Y



Calibration / Safrole, Total

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

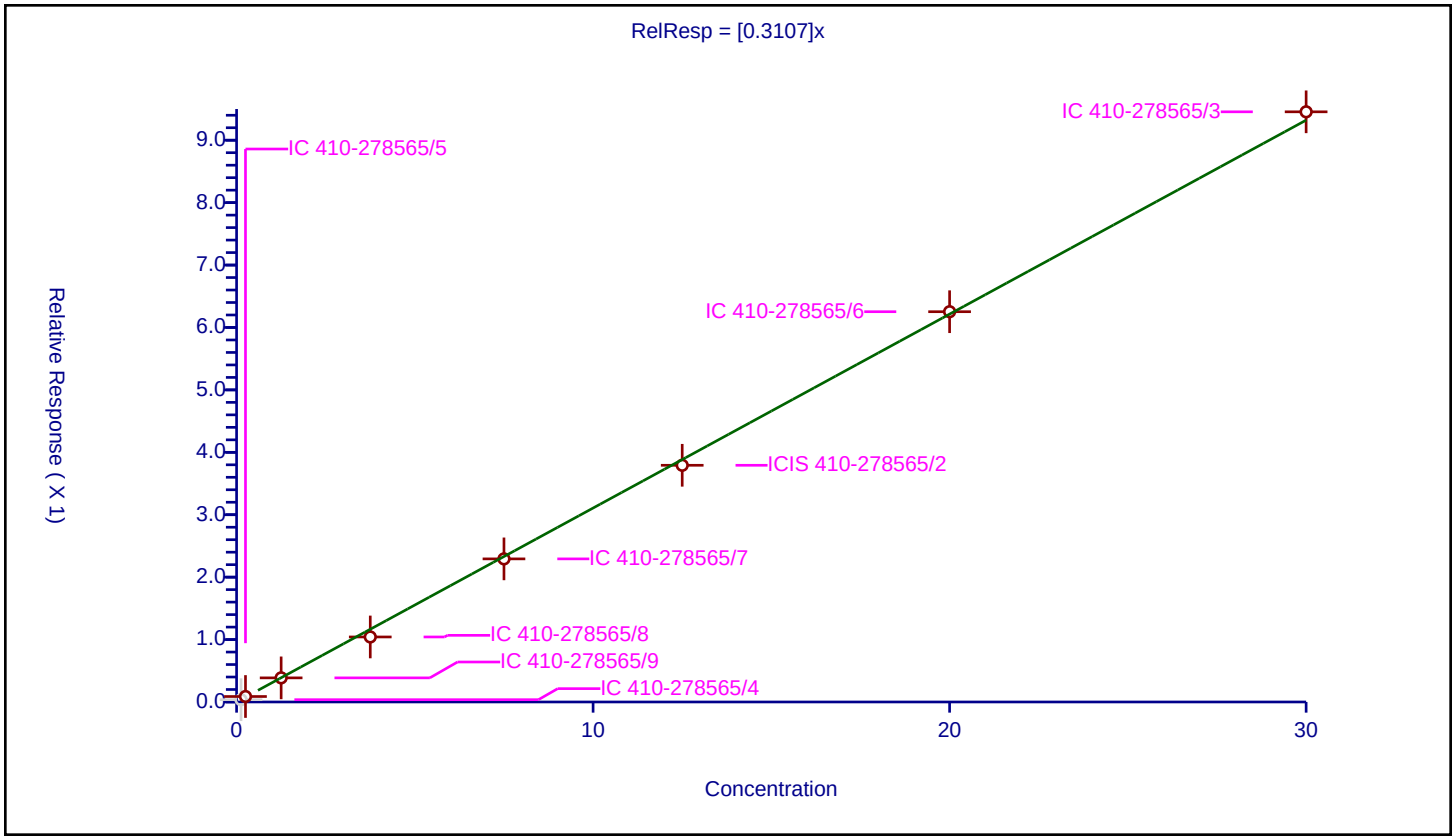
Curve Coefficients

Intercept:	0
Slope:	0.3107

Error Coefficients

Standard Error:	596000
Relative Standard Error:	7.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.036752	5.0	639836.0	0.294013	N
2	IC 410-278565/5	0.25	0.087769	5.0	634851.0	0.351075	Y
3	IC 410-278565/9	1.25	0.38645	5.0	678470.0	0.30916	Y
4	IC 410-278565/8	3.75	1.041922	5.0	698531.0	0.277846	Y
5	IC 410-278565/7	7.5	2.292779	5.0	684342.0	0.305704	Y
6	ICIS 410-278565/2	12.5	3.792217	5.0	603022.0	0.303377	Y
7	IC 410-278565/6	20.0	6.25274	5.0	553874.0	0.312637	Y
8	IC 410-278565/3	30.0	9.45499	5.0	607420.0	0.315166	Y



Calibration / 2-Methylnaphthalene

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

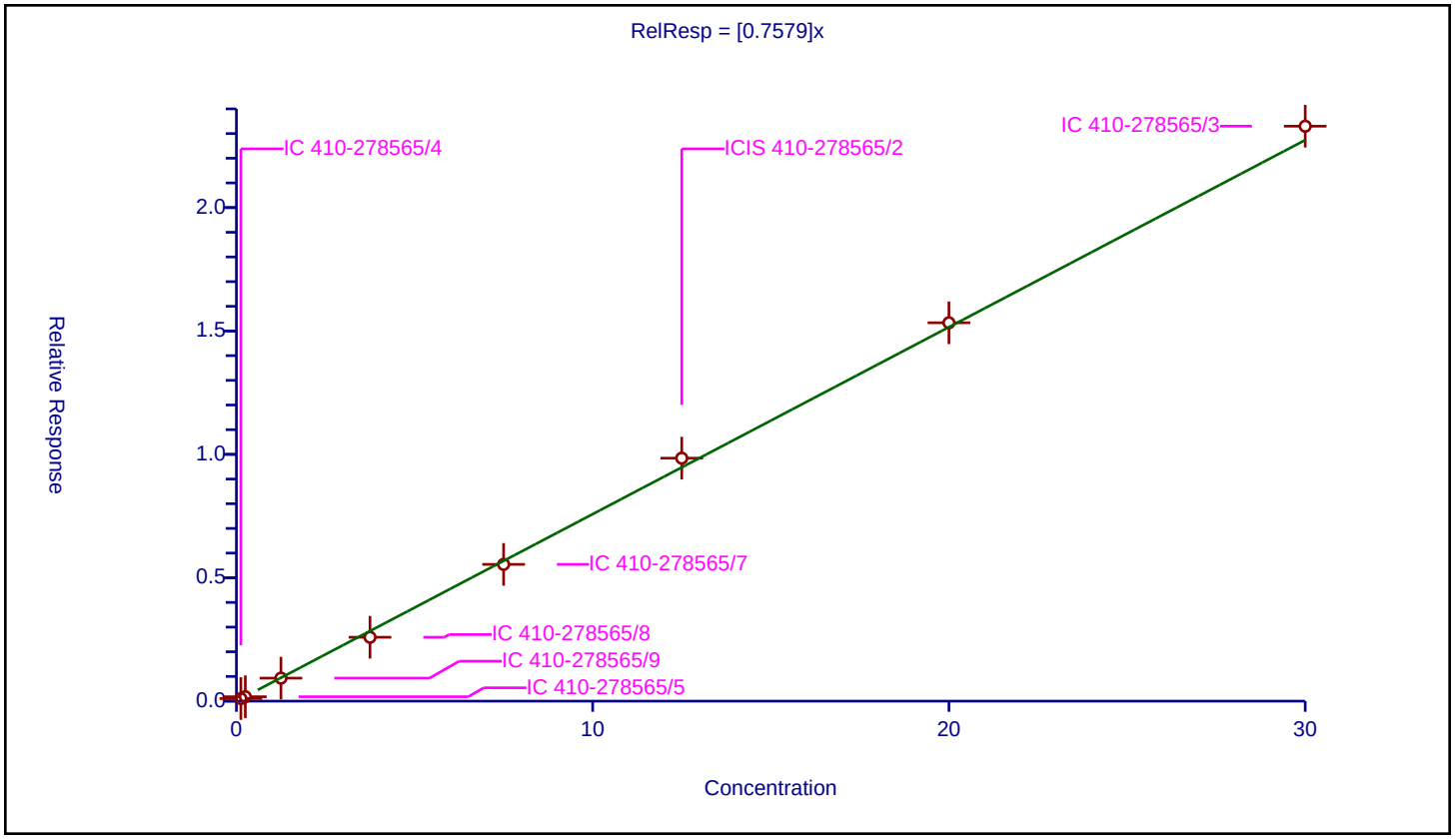
Curve Coefficients

Intercept:	0
Slope:	0.7579

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	6.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.105339	5.0	639836.0	0.842716	Y
2	IC 410-278565/5	0.25	0.17864	5.0	634851.0	0.714561	Y
3	IC 410-278565/9	1.25	0.932149	5.0	678470.0	0.745719	Y
4	IC 410-278565/8	3.75	2.588253	5.0	698531.0	0.690201	Y
5	IC 410-278565/7	7.5	5.541812	5.0	684342.0	0.738908	Y
6	ICIS 410-278565/2	12.5	9.846249	5.0	603022.0	0.7877	Y
7	IC 410-278565/6	20.0	15.333153	5.0	553874.0	0.766658	Y
8	IC 410-278565/3	30.0	23.298179	5.0	607420.0	0.776606	Y



Calibration / 1-Methylnaphthalene

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

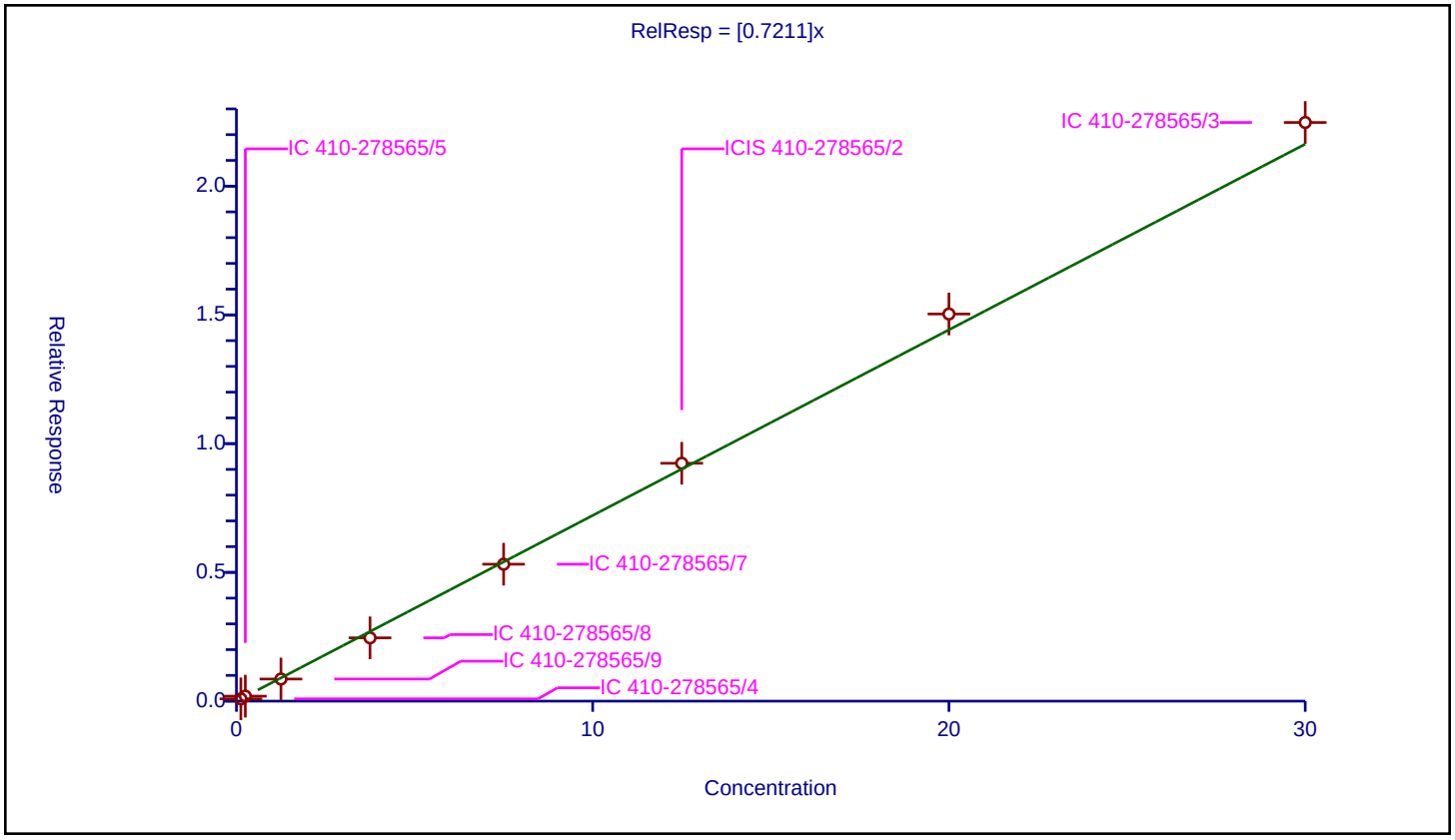
Curve Coefficients

Intercept:	0
Slope:	0.7211

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	5.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.087921	5.0	639836.0	0.703368	Y
2	IC 410-278565/5	0.25	0.193471	5.0	634851.0	0.773882	Y
3	IC 410-278565/9	1.25	0.858748	5.0	678470.0	0.686999	Y
4	IC 410-278565/8	3.75	2.458101	5.0	698531.0	0.655494	Y
5	IC 410-278565/7	7.5	5.318328	5.0	684342.0	0.70911	Y
6	ICIS 410-278565/2	12.5	9.23827	5.0	603022.0	0.739062	Y
7	IC 410-278565/6	20.0	15.03453	5.0	553874.0	0.751726	Y
8	IC 410-278565/3	30.0	22.472926	5.0	607420.0	0.749098	Y



Calibration / Hexachlorocyclopentadiene

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

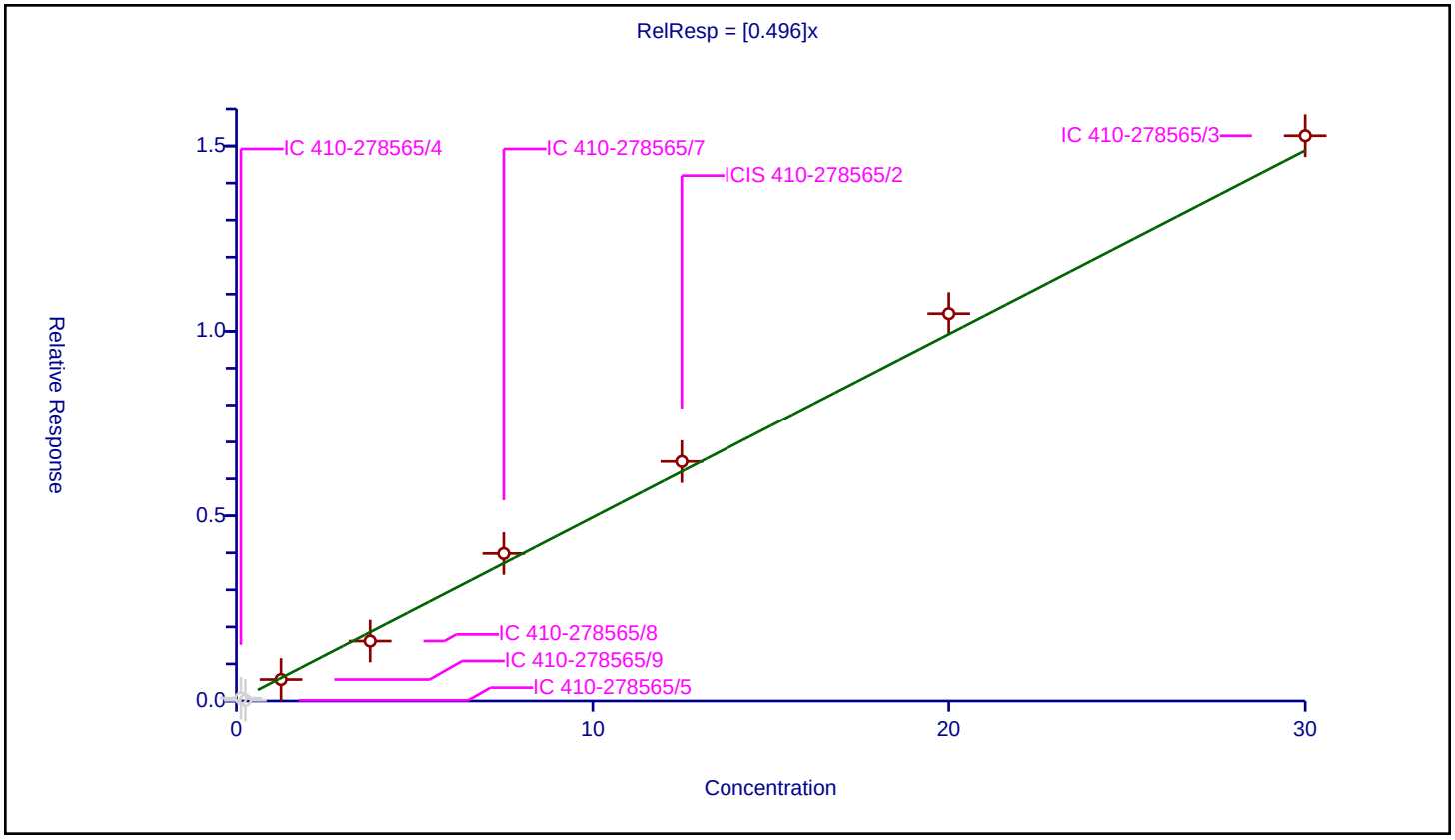
Curve Coefficients

Intercept:	0
Slope:	0.496

Error Coefficients

Standard Error:	715000
Relative Standard Error:	8.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.077244	5.0	406504.0	0.617952	N
2	IC 410-278565/5	0.25	0.018765	5.0	424450.0	0.075062	N
3	IC 410-278565/9	1.25	0.578579	5.0	418914.0	0.462863	Y
4	IC 410-278565/8	3.75	1.617901	5.0	468811.0	0.43144	Y
5	IC 410-278565/7	7.5	3.983823	5.0	431490.0	0.531176	Y
6	ICIS 410-278565/2	12.5	6.469297	5.0	405500.0	0.517544	Y
7	IC 410-278565/6	20.0	10.476683	5.0	361467.0	0.523834	Y
8	IC 410-278565/3	30.0	15.278626	5.0	408845.0	0.509288	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

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

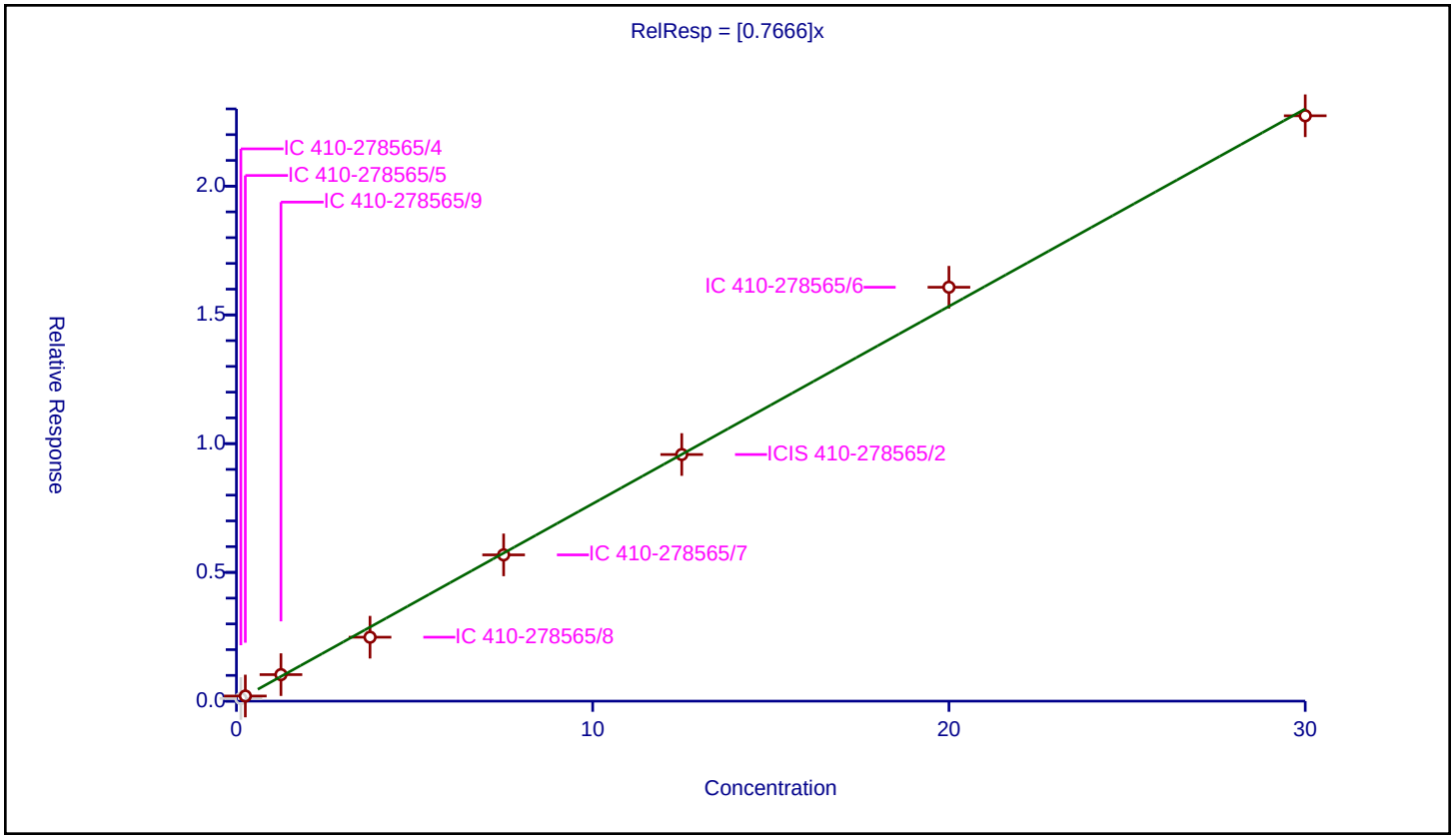
Curve Coefficients

Intercept:	0
Slope:	0.7666

Error Coefficients

Standard Error:	976000
Relative Standard Error:	6.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.103271	5.0	406504.0	0.826167	N
2	IC 410-278565/5	0.25	0.198846	5.0	424450.0	0.795382	Y
3	IC 410-278565/9	1.25	1.029901	5.0	418914.0	0.823921	Y
4	IC 410-278565/8	3.75	2.482536	5.0	468811.0	0.662009	Y
5	IC 410-278565/7	7.5	5.680178	5.0	431490.0	0.757357	Y
6	ICIS 410-278565/2	12.5	9.577176	5.0	405500.0	0.766174	Y
7	IC 410-278565/6	20.0	16.074234	5.0	361467.0	0.803712	Y
8	IC 410-278565/3	30.0	22.7332	5.0	408845.0	0.757773	Y



Calibration / Isosafrole Peak 1

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

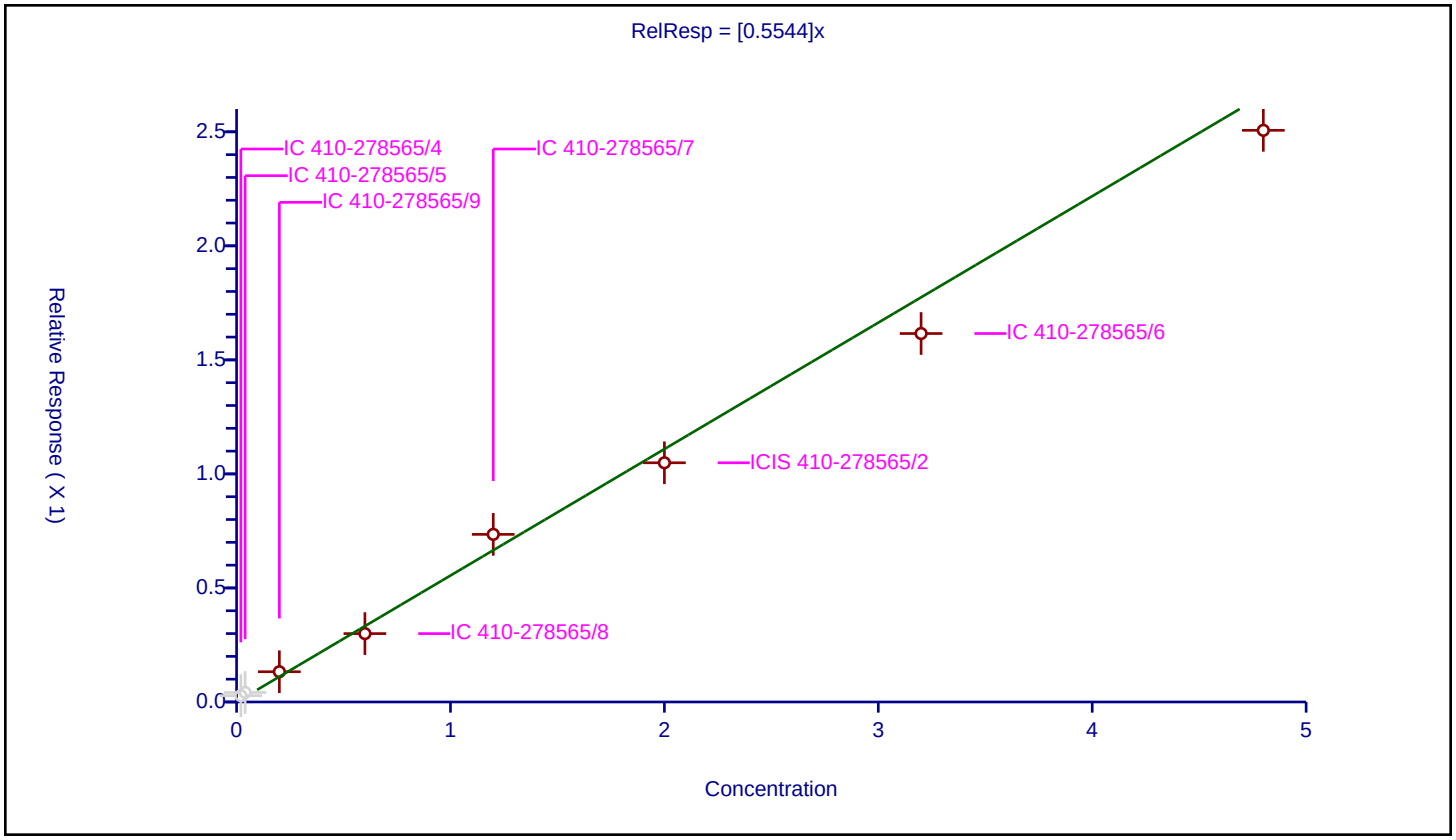
Curve Coefficients

Intercept:	0
Slope:	0.5544

Error Coefficients

Standard Error:	116000
Relative Standard Error:	12.1
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.02	0.027749	5.0	406504.0	1.38744	N
2	IC 410-278565/5	0.04	0.041701	5.0	424450.0	1.042526	N
3	IC 410-278565/9	0.2	0.132605	5.0	418914.0	0.663024	Y
4	IC 410-278565/8	0.6	0.299822	5.0	468811.0	0.499704	Y
5	IC 410-278565/7	1.2	0.734976	5.0	431490.0	0.61248	Y
6	ICIS 410-278565/2	2.0	1.048829	5.0	405500.0	0.524414	Y
7	IC 410-278565/6	3.2	1.615569	5.0	361467.0	0.504865	Y
8	IC 410-278565/3	4.8	2.506549	5.0	408845.0	0.522198	Y



Calibration / 2,4,6-Trichlorophenol

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

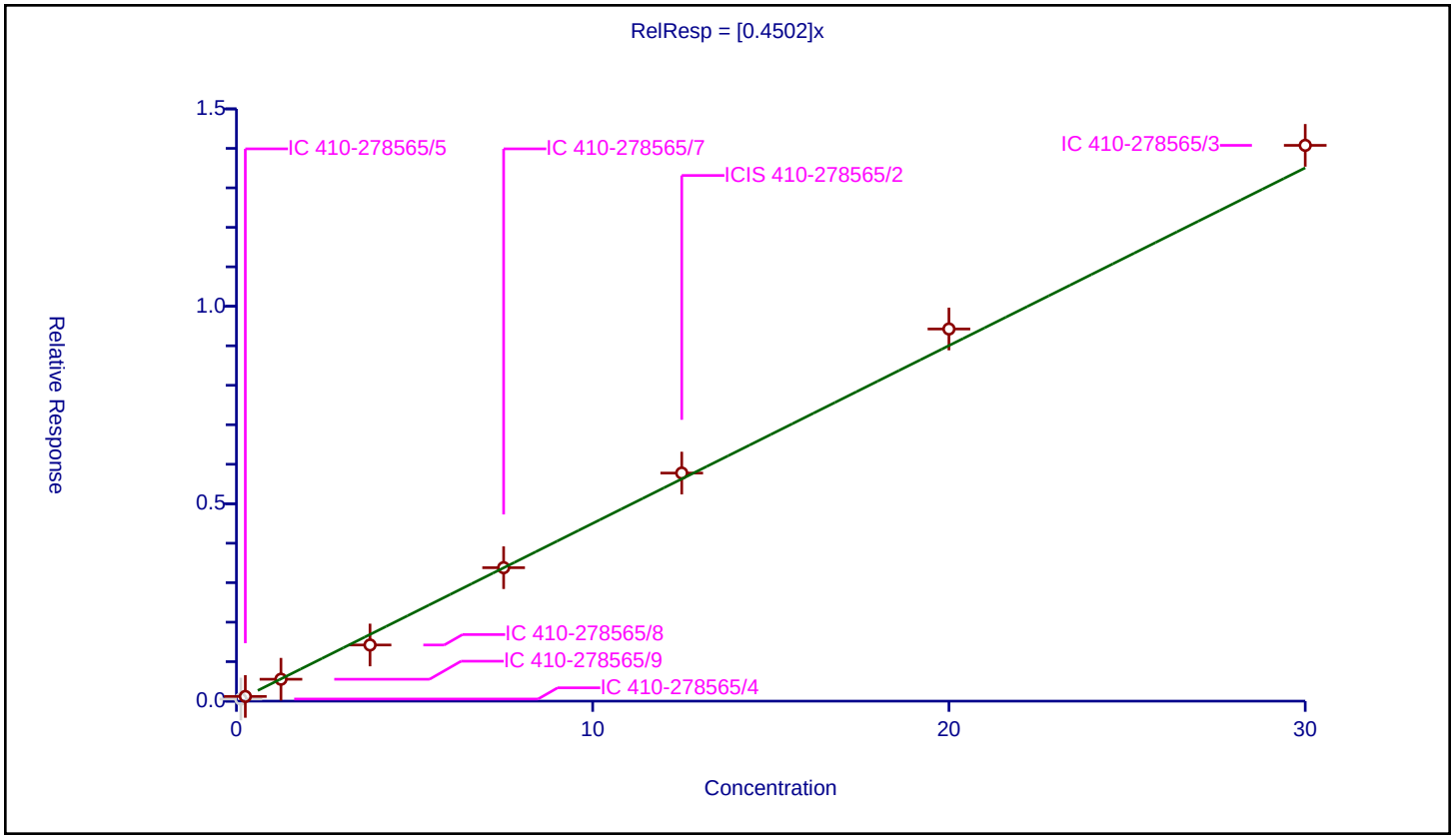
Curve Coefficients

Intercept:	0
Slope:	0.4502

Error Coefficients

Standard Error:	594000
Relative Standard Error:	7.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.053517	5.0	406504.0	0.428138	N
2	IC 410-278565/5	0.25	0.11873	5.0	424450.0	0.47492	Y
3	IC 410-278565/9	1.25	0.555114	5.0	418914.0	0.444091	Y
4	IC 410-278565/8	3.75	1.422151	5.0	468811.0	0.37924	Y
5	IC 410-278565/7	7.5	3.380217	5.0	431490.0	0.450696	Y
6	ICIS 410-278565/2	12.5	5.776621	5.0	405500.0	0.46213	Y
7	IC 410-278565/6	20.0	9.425452	5.0	361467.0	0.471273	Y
8	IC 410-278565/3	30.0	14.076276	5.0	408845.0	0.469209	Y



Calibration / 2,4,5-Trichlorophenol

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

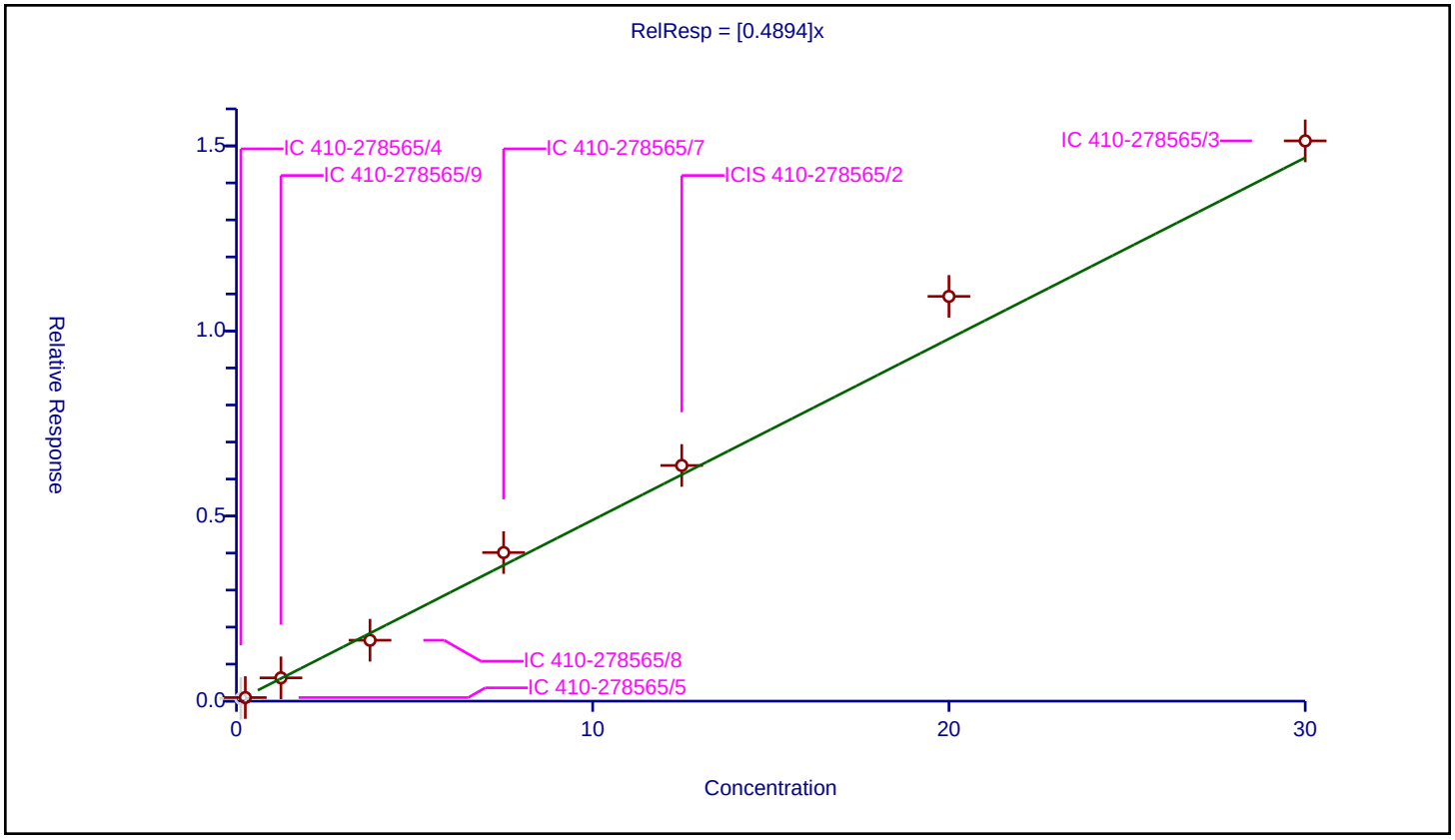
Curve Coefficients

Intercept:	0
Slope:	0.4894

Error Coefficients

Standard Error:	654000
Relative Standard Error:	11.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.071869	5.0	406504.0	0.574951	N
2	IC 410-278565/5	0.25	0.09689	5.0	424450.0	0.38756	Y
3	IC 410-278565/9	1.25	0.62958	5.0	418914.0	0.503664	Y
4	IC 410-278565/8	3.75	1.645461	5.0	468811.0	0.438789	Y
5	IC 410-278565/7	7.5	4.014485	5.0	431490.0	0.535265	Y
6	ICIS 410-278565/2	12.5	6.36688	5.0	405500.0	0.50935	Y
7	IC 410-278565/6	20.0	10.934221	5.0	361467.0	0.546711	Y
8	IC 410-278565/3	30.0	15.135565	5.0	408845.0	0.504519	Y



Calibration / 2-Fluorobiphenyl (Surr)

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

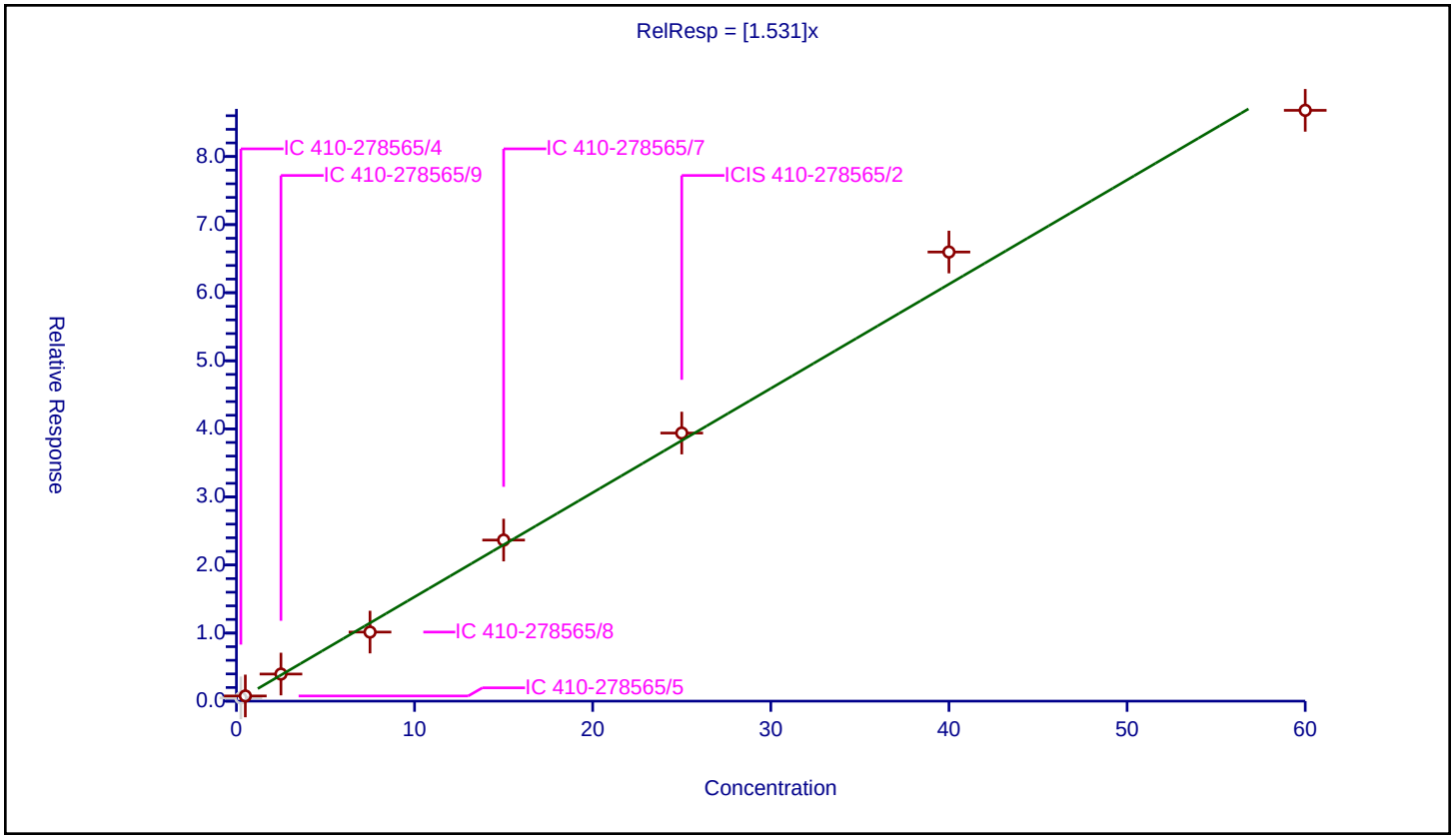
Curve Coefficients

Intercept:	0
Slope:	1.531

Error Coefficients

Standard Error:	3840000
Relative Standard Error:	6.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.25	0.479208	5.0	406504.0	1.916832	N
2	IC 410-278565/5	0.5	0.762728	5.0	424450.0	1.525456	Y
3	IC 410-278565/9	2.5	3.979516	5.0	418914.0	1.591806	Y
4	IC 410-278565/8	7.5	10.148759	5.0	468811.0	1.353168	Y
5	IC 410-278565/7	15.0	23.659216	5.0	431490.0	1.577281	Y
6	ICIS 410-278565/2	25.0	39.382651	5.0	405500.0	1.575306	Y
7	IC 410-278565/6	40.0	65.972426	5.0	361467.0	1.649311	Y
8	IC 410-278565/3	60.0	86.788049	5.0	408845.0	1.446467	Y



Calibration / Isosafrole Peak 2

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

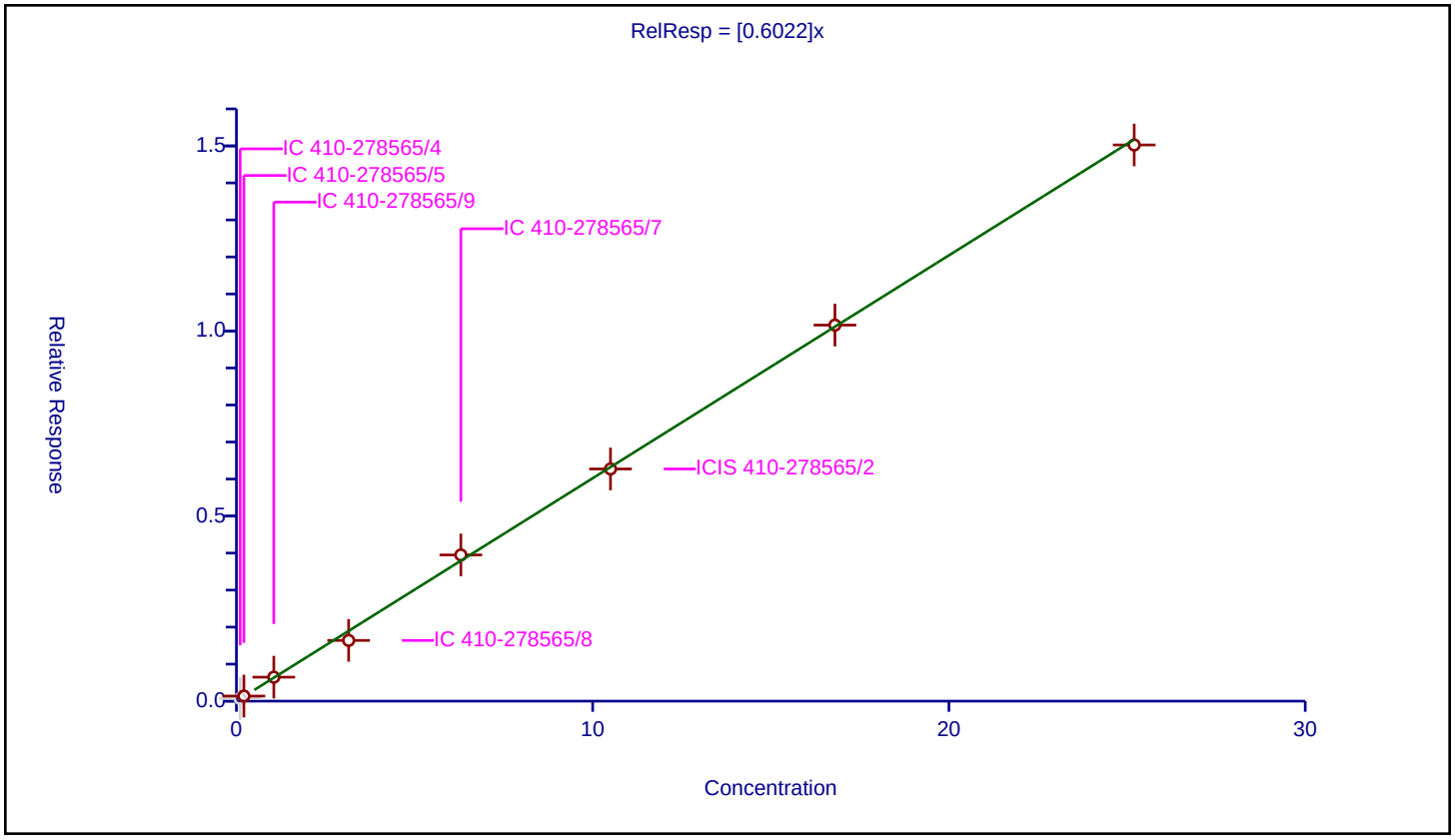
Curve Coefficients

Intercept:	0
Slope:	0.6022

Error Coefficients

Standard Error:	639000
Relative Standard Error:	6.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.105	0.070147	5.0	406504.0	0.668066	N
2	IC 410-278565/5	0.21	0.137154	5.0	424450.0	0.653114	Y
3	IC 410-278565/9	1.05	0.647066	5.0	418914.0	0.616253	Y
4	IC 410-278565/8	3.15	1.640533	5.0	468811.0	0.520804	Y
5	IC 410-278565/7	6.3	3.949072	5.0	431490.0	0.626837	Y
6	ICIS 410-278565/2	10.5	6.272269	5.0	405500.0	0.597359	Y
7	IC 410-278565/6	16.8	10.158479	5.0	361467.0	0.604671	Y
8	IC 410-278565/3	25.2	15.025401	5.0	408845.0	0.596246	Y



Calibration / 1,1'-Biphenyl

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

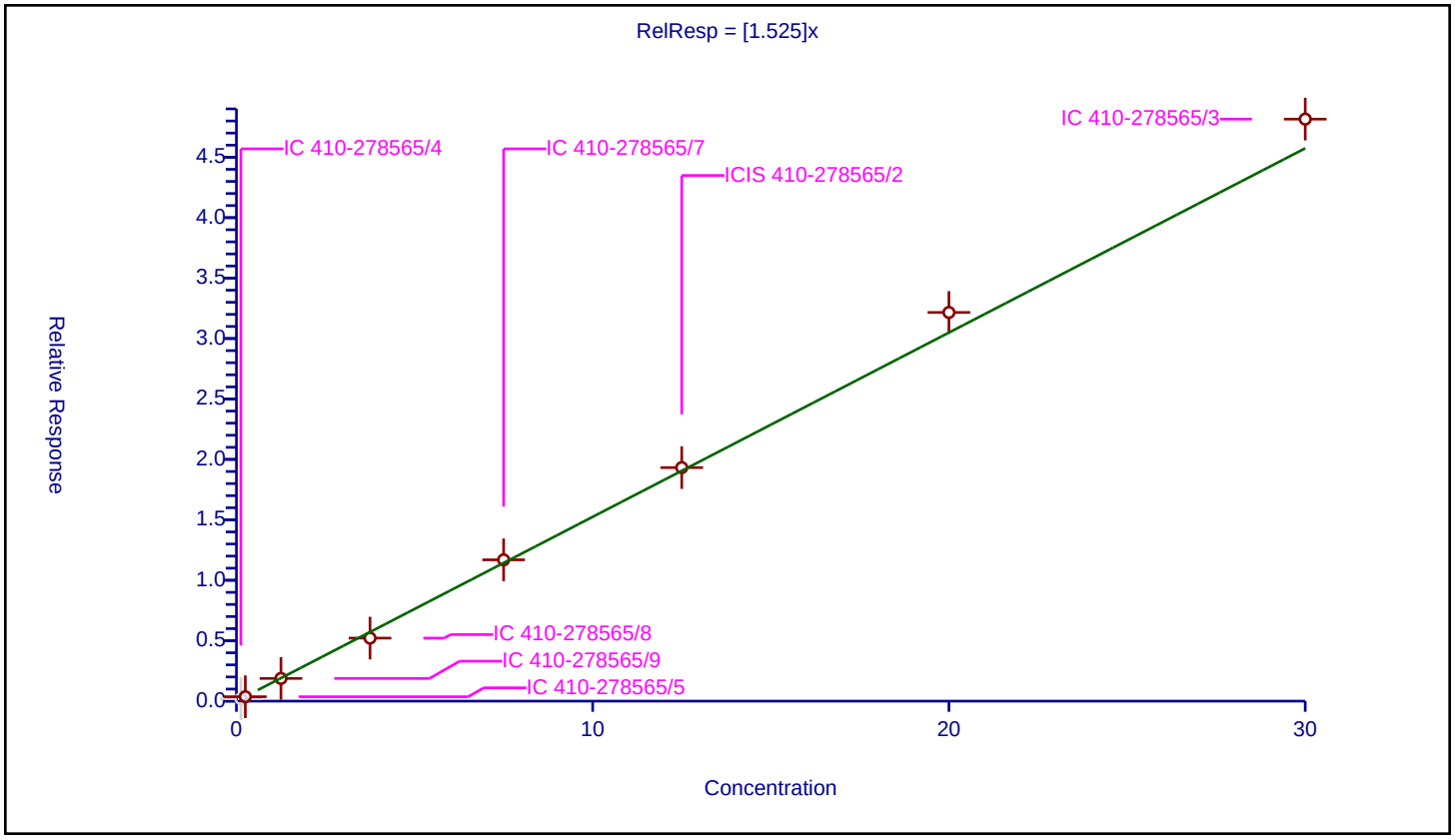
Curve Coefficients

Intercept:	0
Slope:	1.525

Error Coefficients

Standard Error:	2030000
Relative Standard Error:	5.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.20252	5.0	406504.0	1.620156	N
2	IC 410-278565/5	0.25	0.36532	5.0	424450.0	1.461279	Y
3	IC 410-278565/9	1.25	1.878094	5.0	418914.0	1.502475	Y
4	IC 410-278565/8	3.75	5.215791	5.0	468811.0	1.390877	Y
5	IC 410-278565/7	7.5	11.691198	5.0	431490.0	1.558826	Y
6	ICIS 410-278565/2	12.5	19.321529	5.0	405500.0	1.545722	Y
7	IC 410-278565/6	20.0	32.15768	5.0	361467.0	1.607884	Y
8	IC 410-278565/3	30.0	48.15479	5.0	408845.0	1.60516	Y



Calibration / 2-Chloronaphthalene

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

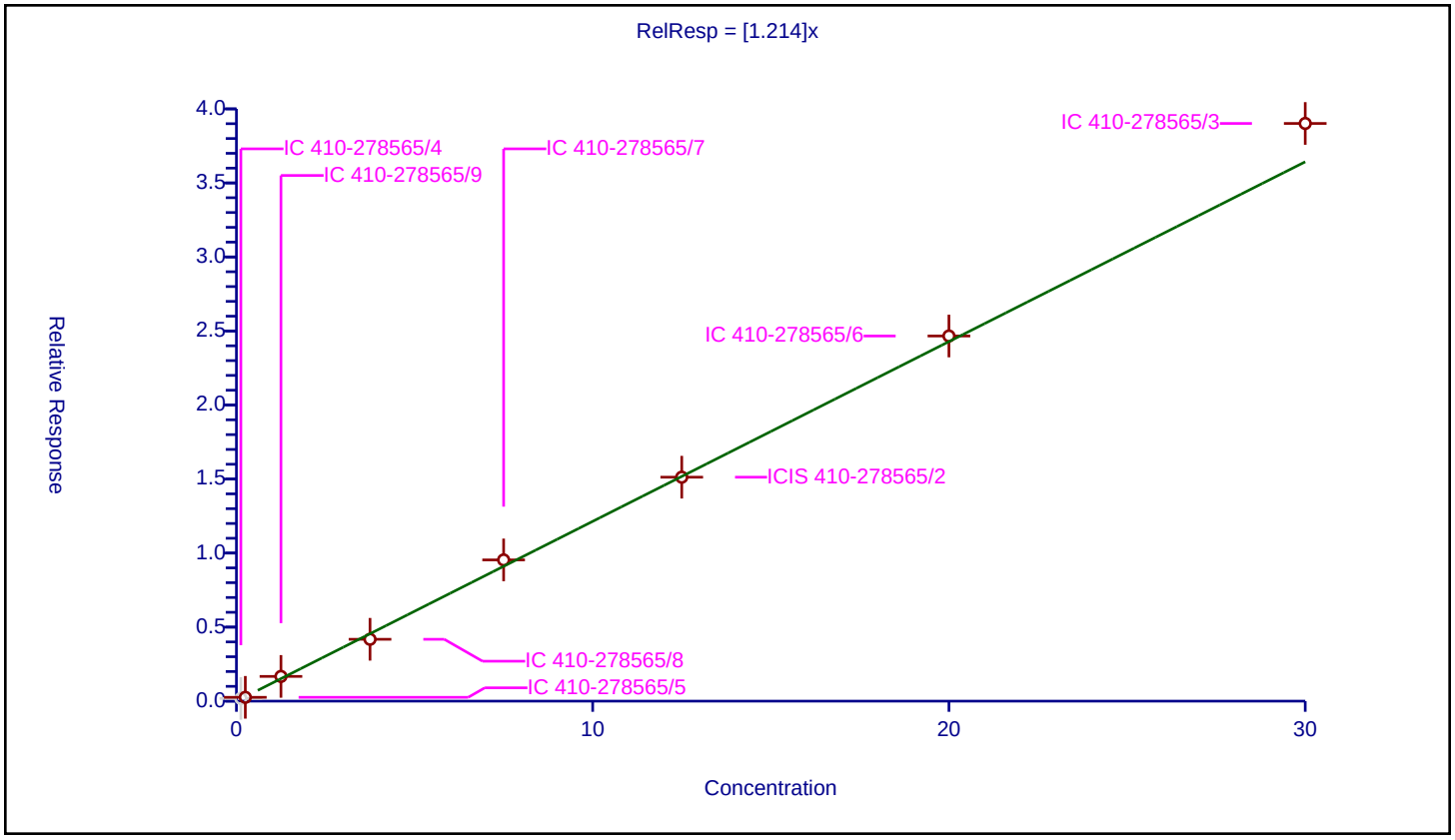
Curve Coefficients

Intercept:	0
Slope:	1.214

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	8.8
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.182753	5.0	406504.0	1.462027	N
2	IC 410-278565/5	0.25	0.258546	5.0	424450.0	1.034185	Y
3	IC 410-278565/9	1.25	1.669674	5.0	418914.0	1.33574	Y
4	IC 410-278565/8	3.75	4.178283	5.0	468811.0	1.114209	Y
5	IC 410-278565/7	7.5	9.537591	5.0	431490.0	1.271679	Y
6	ICIS 410-278565/2	12.5	15.125869	5.0	405500.0	1.21007	Y
7	IC 410-278565/6	20.0	24.661698	5.0	361467.0	1.233085	Y
8	IC 410-278565/3	30.0	39.016449	5.0	408845.0	1.300548	Y



Calibration / 1-Chloronaphthalene

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

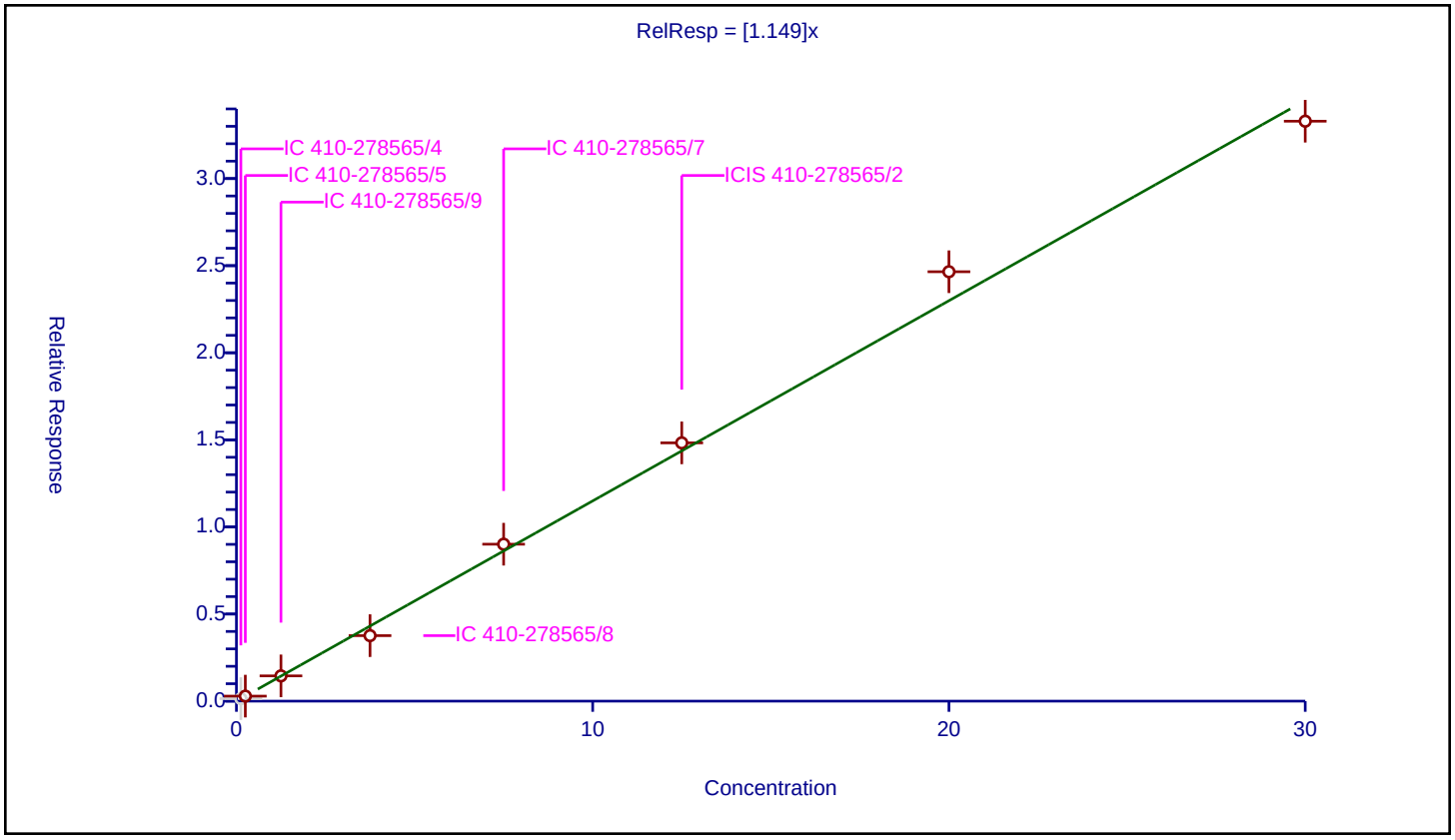
Curve Coefficients

Intercept:	0
Slope:	1.149

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	6.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.143996	5.0	406504.0	1.151969	N
2	IC 410-278565/5	0.25	0.288244	5.0	424450.0	1.152974	Y
3	IC 410-278565/9	1.25	1.45019	5.0	418914.0	1.160152	Y
4	IC 410-278565/8	3.75	3.760759	5.0	468811.0	1.002869	Y
5	IC 410-278565/7	7.5	9.009201	5.0	431490.0	1.201227	Y
6	ICIS 410-278565/2	12.5	14.828064	5.0	405500.0	1.186245	Y
7	IC 410-278565/6	20.0	24.651213	5.0	361467.0	1.232561	Y
8	IC 410-278565/3	30.0	33.294182	5.0	408845.0	1.109806	Y



Calibration / 2-Nitroaniline

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

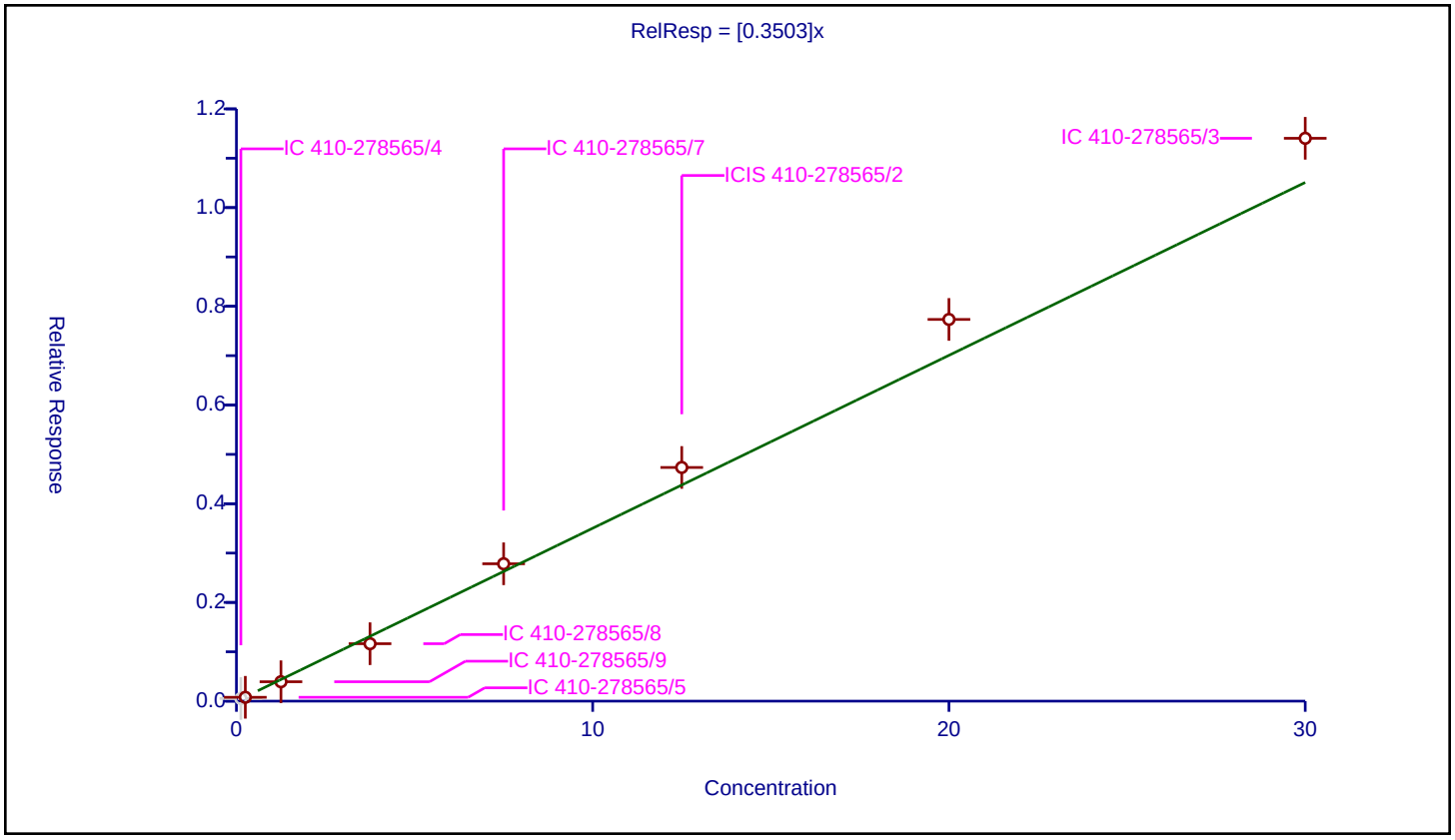
Curve Coefficients

Intercept:	0
Slope:	0.3503

Error Coefficients

Standard Error:	483000
Relative Standard Error:	10.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.053284	5.0	406504.0	0.426269	N
2	IC 410-278565/5	0.25	0.077712	5.0	424450.0	0.310849	Y
3	IC 410-278565/9	1.25	0.392897	5.0	418914.0	0.314317	Y
4	IC 410-278565/8	3.75	1.163923	5.0	468811.0	0.31038	Y
5	IC 410-278565/7	7.5	2.783355	5.0	431490.0	0.371114	Y
6	ICIS 410-278565/2	12.5	4.734747	5.0	405500.0	0.37878	Y
7	IC 410-278565/6	20.0	7.733777	5.0	361467.0	0.386689	Y
8	IC 410-278565/3	30.0	11.404102	5.0	408845.0	0.380137	Y



Calibration / Phenyl ether

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

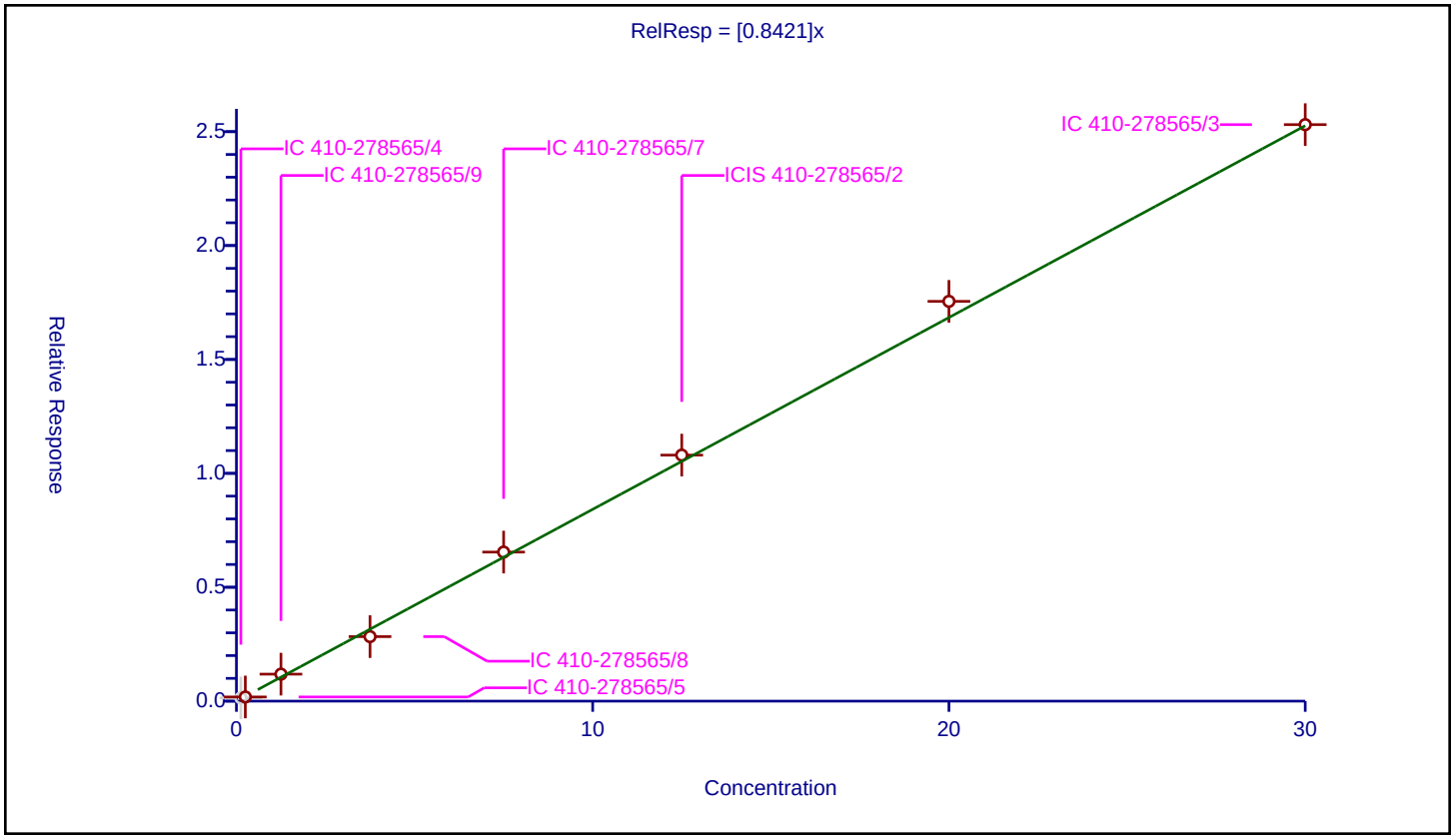
Curve Coefficients

Intercept:	0
Slope:	0.8421

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	8.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.142028	5.0	406504.0	1.136225	N
2	IC 410-278565/5	0.25	0.183261	5.0	424450.0	0.733043	Y
3	IC 410-278565/9	1.25	1.185207	5.0	418914.0	0.948166	Y
4	IC 410-278565/8	3.75	2.832559	5.0	468811.0	0.755349	Y
5	IC 410-278565/7	7.5	6.544242	5.0	431490.0	0.872566	Y
6	ICIS 410-278565/2	12.5	10.800604	5.0	405500.0	0.864048	Y
7	IC 410-278565/6	20.0	17.551547	5.0	361467.0	0.877577	Y
8	IC 410-278565/3	30.0	25.308736	5.0	408845.0	0.843625	Y



Calibration / 1,4-Naphthoquinone

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

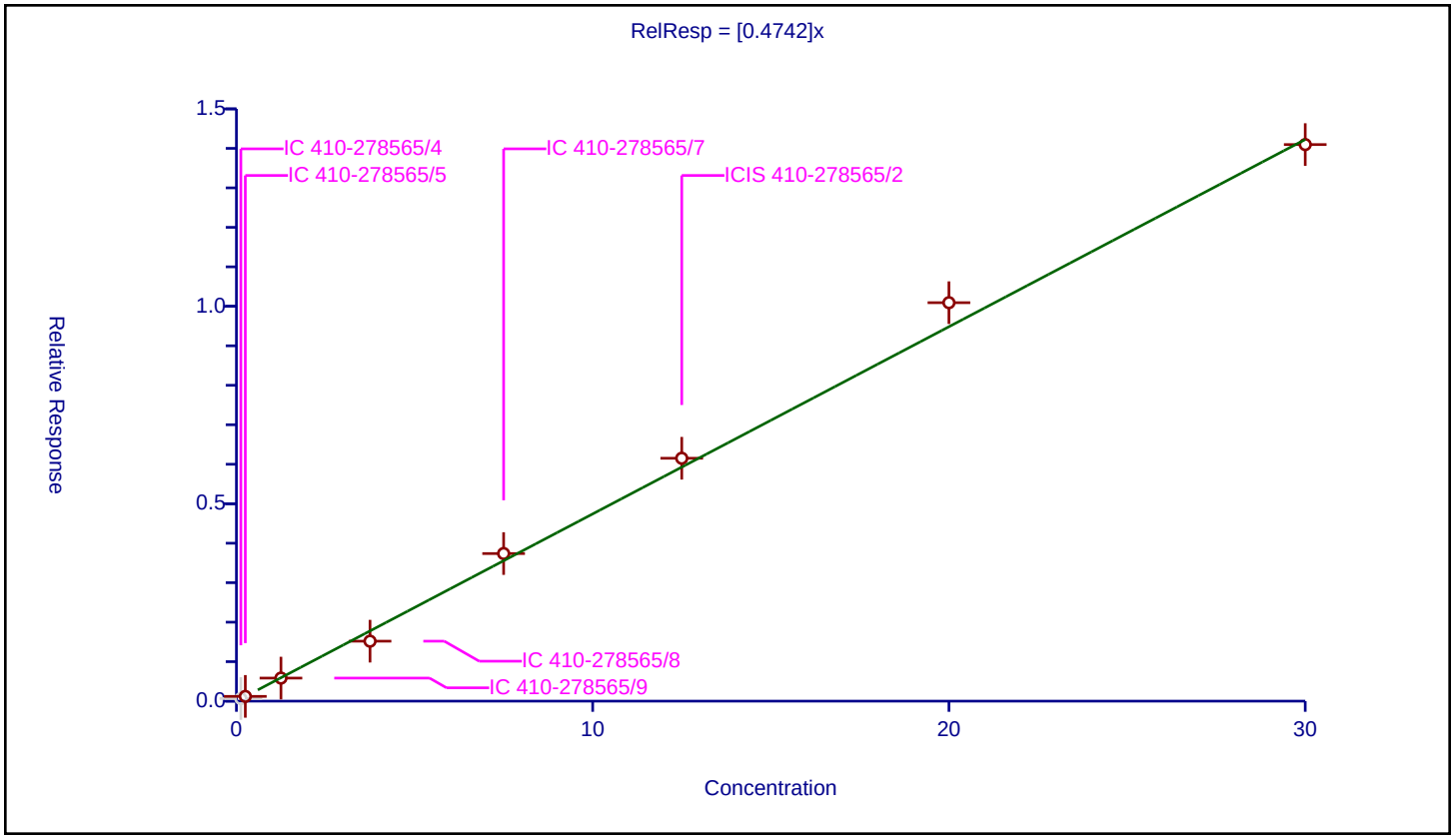
Curve Coefficients

Intercept:	0
Slope:	0.4742

Error Coefficients

Standard Error:	611000
Relative Standard Error:	7.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.065448	5.0	406504.0	0.523586	N
2	IC 410-278565/5	0.25	0.120485	5.0	424450.0	0.481941	Y
3	IC 410-278565/9	1.25	0.583795	5.0	418914.0	0.467036	Y
4	IC 410-278565/8	3.75	1.518928	5.0	468811.0	0.405047	Y
5	IC 410-278565/7	7.5	3.738337	5.0	431490.0	0.498445	Y
6	ICIS 410-278565/2	12.5	6.151603	5.0	405500.0	0.492128	Y
7	IC 410-278565/6	20.0	10.091723	5.0	361467.0	0.504586	Y
8	IC 410-278565/3	30.0	14.096137	5.0	408845.0	0.469871	Y



Calibration / 1,4-Dinitrobenzene

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

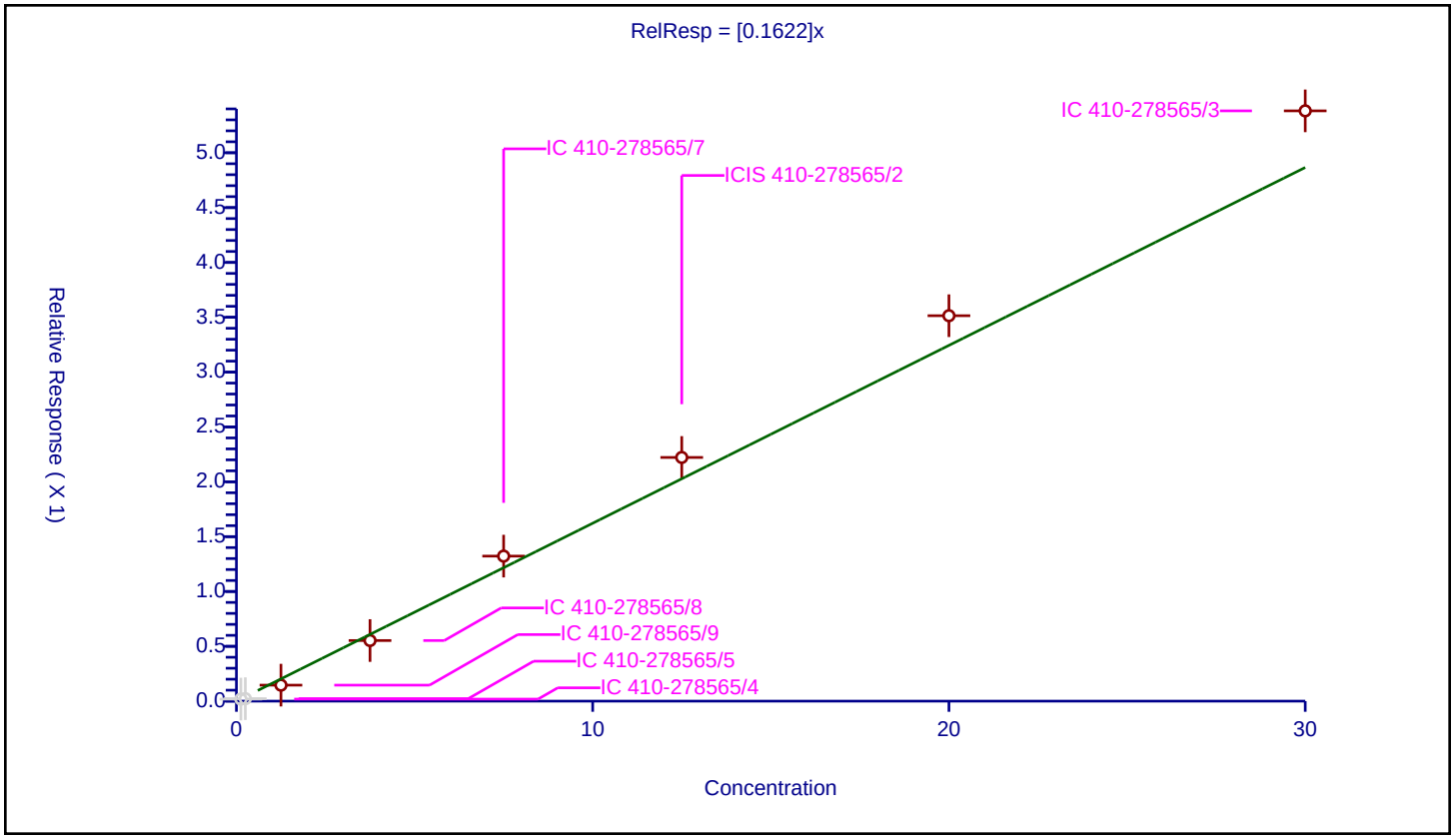
Curve Coefficients

Intercept:	0
Slope:	0.1622

Error Coefficients

Standard Error:	248000
Relative Standard Error:	15.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.018561	5.0	406504.0	0.148486	N
2	IC 410-278565/5	0.25	0.022464	5.0	424450.0	0.089857	N
3	IC 410-278565/9	1.25	0.145746	5.0	418914.0	0.116597	Y
4	IC 410-278565/8	3.75	0.552611	5.0	468811.0	0.147363	Y
5	IC 410-278565/7	7.5	1.322487	5.0	431490.0	0.176332	Y
6	ICIS 410-278565/2	12.5	2.221924	5.0	405500.0	0.177754	Y
7	IC 410-278565/6	20.0	3.514249	5.0	361467.0	0.175712	Y
8	IC 410-278565/3	30.0	5.382003	5.0	408845.0	0.1794	Y



Calibration / Dimethyl phthalate

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

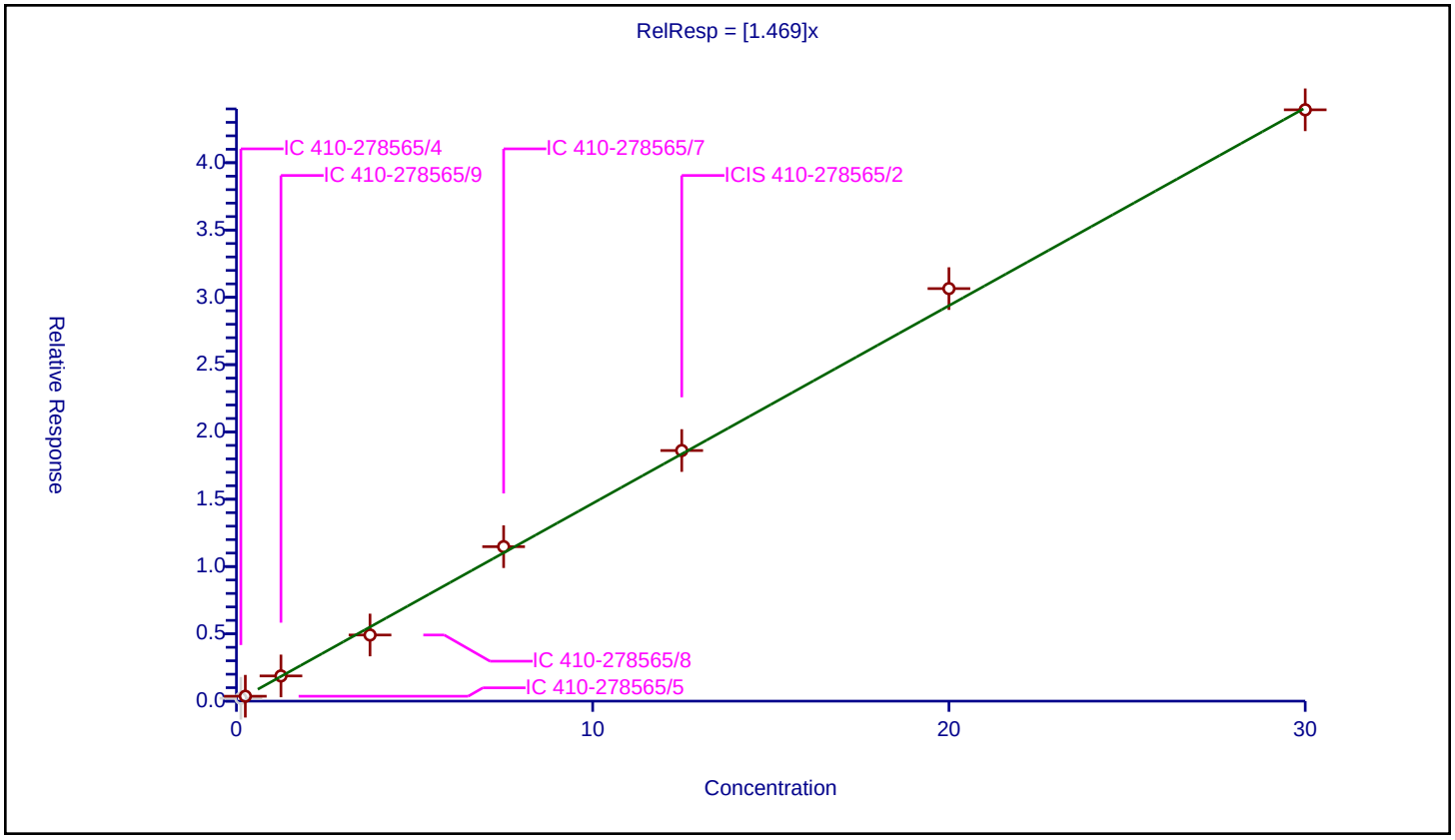
Curve Coefficients

Intercept:	0
Slope:	1.469

Error Coefficients

Standard Error:	1880000
Relative Standard Error:	5.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.213331	5.0	406504.0	1.70665	N
2	IC 410-278565/5	0.25	0.364519	5.0	424450.0	1.458075	Y
3	IC 410-278565/9	1.25	1.873678	5.0	418914.0	1.498943	Y
4	IC 410-278565/8	3.75	4.914027	5.0	468811.0	1.310407	Y
5	IC 410-278565/7	7.5	11.475631	5.0	431490.0	1.530084	Y
6	ICIS 410-278565/2	12.5	18.618002	5.0	405500.0	1.48944	Y
7	IC 410-278565/6	20.0	30.649852	5.0	361467.0	1.532493	Y
8	IC 410-278565/3	30.0	43.93275	5.0	408845.0	1.464425	Y



Calibration / 1,3-Dinitrobenzene

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

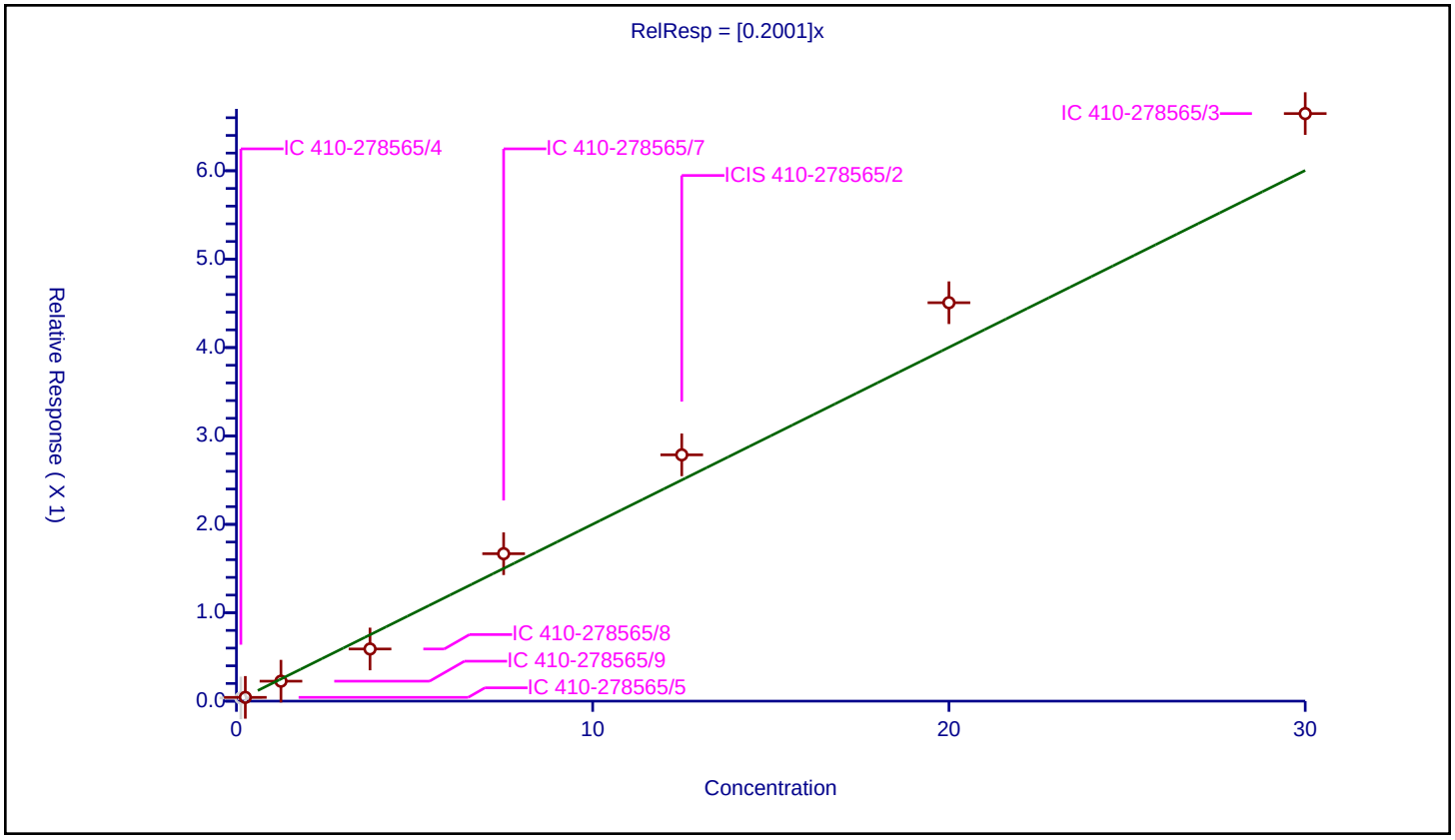
Curve Coefficients

Intercept:	0
Slope:	0.2001

Error Coefficients

Standard Error:	282000
Relative Standard Error:	14.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.036039	5.0	406504.0	0.288312	N
2	IC 410-278565/5	0.25	0.042679	5.0	424450.0	0.170715	Y
3	IC 410-278565/9	1.25	0.225691	5.0	418914.0	0.180553	Y
4	IC 410-278565/8	3.75	0.590195	5.0	468811.0	0.157385	Y
5	IC 410-278565/7	7.5	1.66793	5.0	431490.0	0.222391	Y
6	ICIS 410-278565/2	12.5	2.786276	5.0	405500.0	0.222902	Y
7	IC 410-278565/6	20.0	4.507382	5.0	361467.0	0.225369	Y
8	IC 410-278565/3	30.0	6.647018	5.0	408845.0	0.221567	Y



Calibration / 2,6-Dinitrotoluene

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

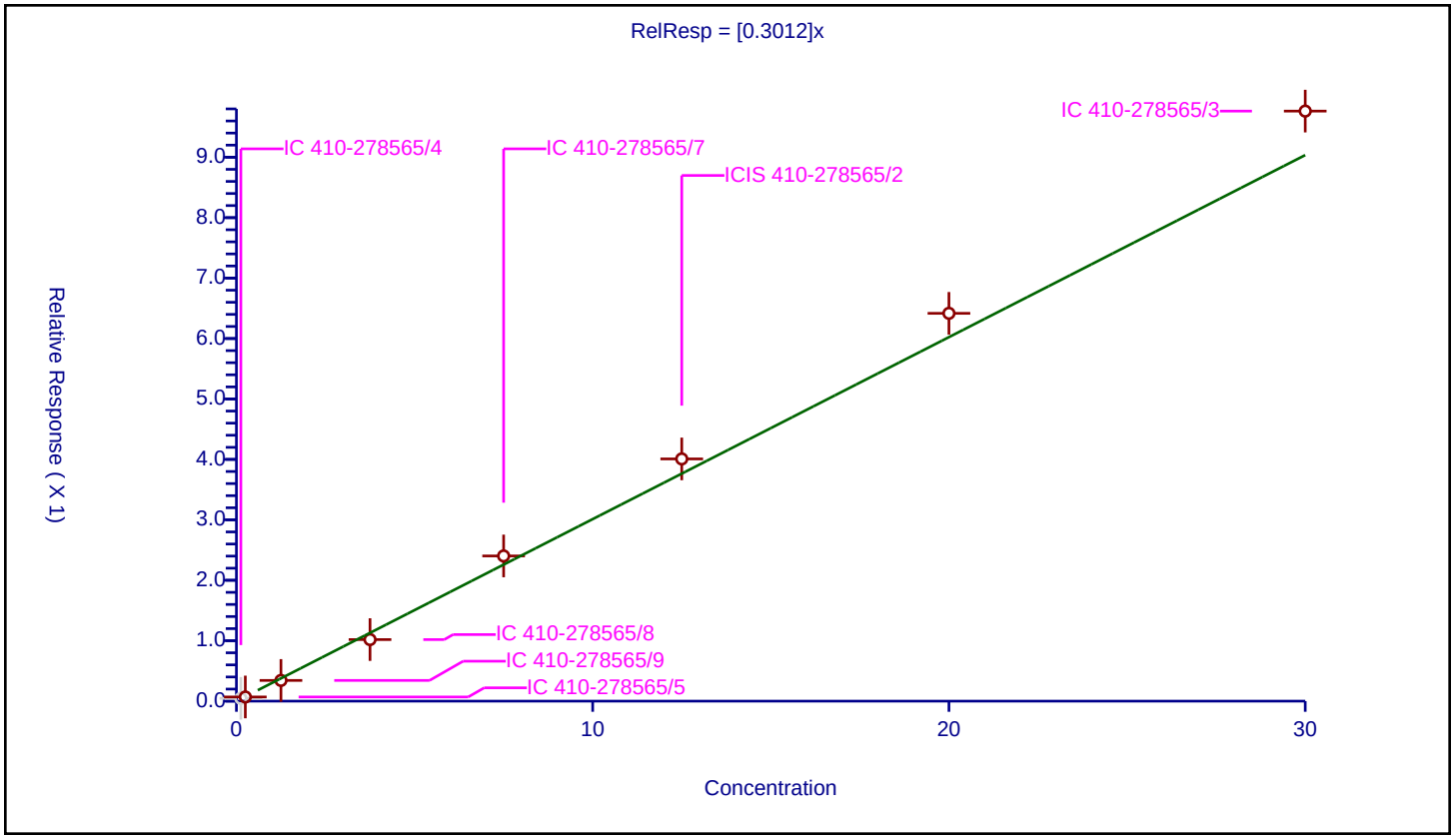
Curve Coefficients

Intercept:	0
Slope:	0.3012

Error Coefficients

Standard Error:	411000
Relative Standard Error:	8.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.046433	5.0	406504.0	0.37146	N
2	IC 410-278565/5	0.25	0.068818	5.0	424450.0	0.275274	Y
3	IC 410-278565/9	1.25	0.342493	5.0	418914.0	0.273994	Y
4	IC 410-278565/8	3.75	1.018662	5.0	468811.0	0.271643	Y
5	IC 410-278565/7	7.5	2.402663	5.0	431490.0	0.320355	Y
6	ICIS 410-278565/2	12.5	4.008163	5.0	405500.0	0.320653	Y
7	IC 410-278565/6	20.0	6.417183	5.0	361467.0	0.320859	Y
8	IC 410-278565/3	30.0	9.763321	5.0	408845.0	0.325444	Y



Calibration / Acenaphthylene

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

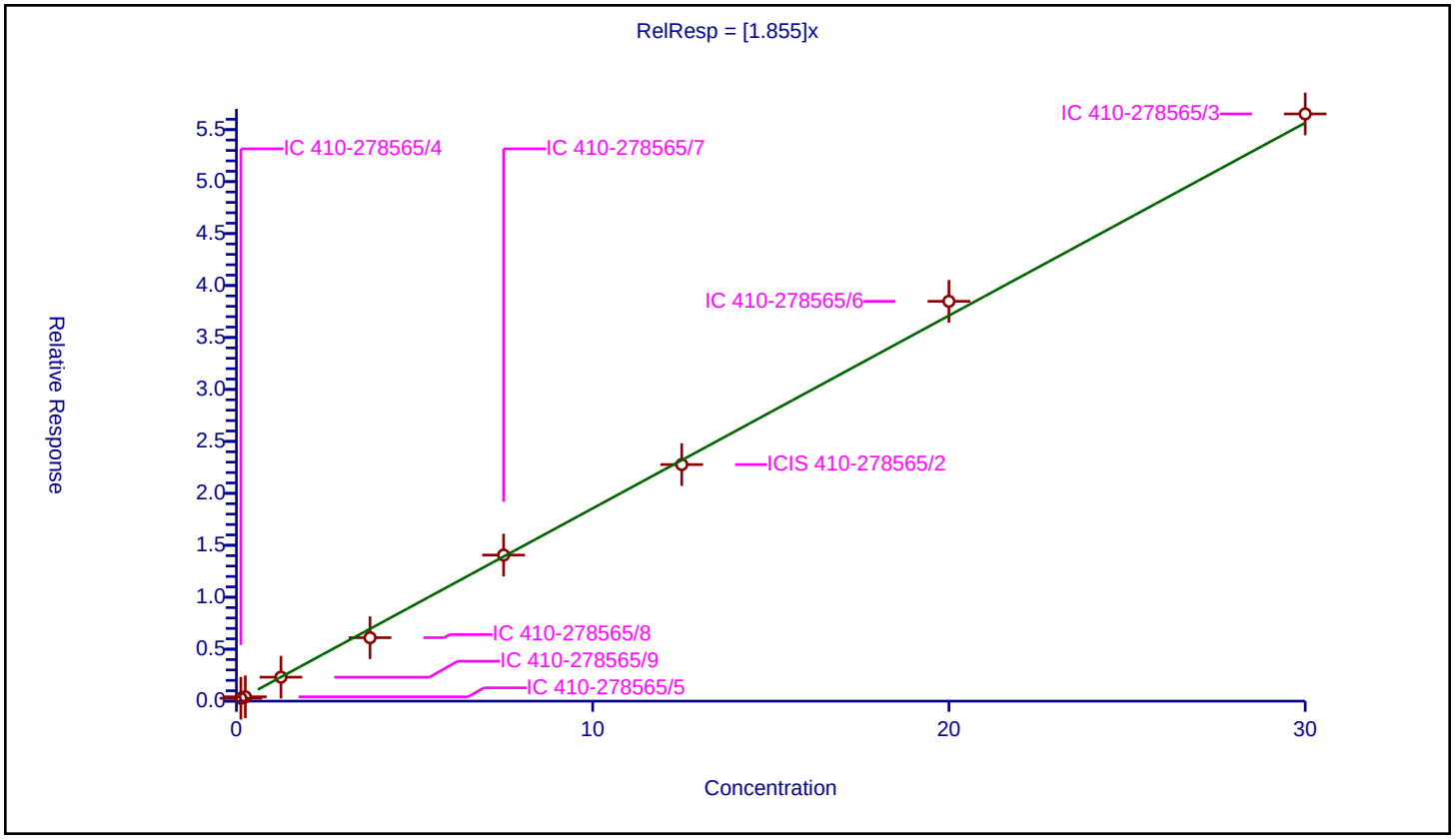
Curve Coefficients

Intercept:	0
Slope:	1.855

Error Coefficients

Standard Error:	2210000
Relative Standard Error:	9.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.274794	5.0	406504.0	2.198355	Y
2	IC 410-278565/5	0.25	0.416716	5.0	424450.0	1.666863	Y
3	IC 410-278565/9	1.25	2.305581	5.0	418914.0	1.844464	Y
4	IC 410-278565/8	3.75	6.106075	5.0	468811.0	1.628287	Y
5	IC 410-278565/7	7.5	14.059387	5.0	431490.0	1.874585	Y
6	ICIS 410-278565/2	12.5	22.76857	5.0	405500.0	1.821486	Y
7	IC 410-278565/6	20.0	38.482669	5.0	361467.0	1.924133	Y
8	IC 410-278565/3	30.0	56.515085	5.0	408845.0	1.883836	Y



Calibration / 3-Nitroaniline

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

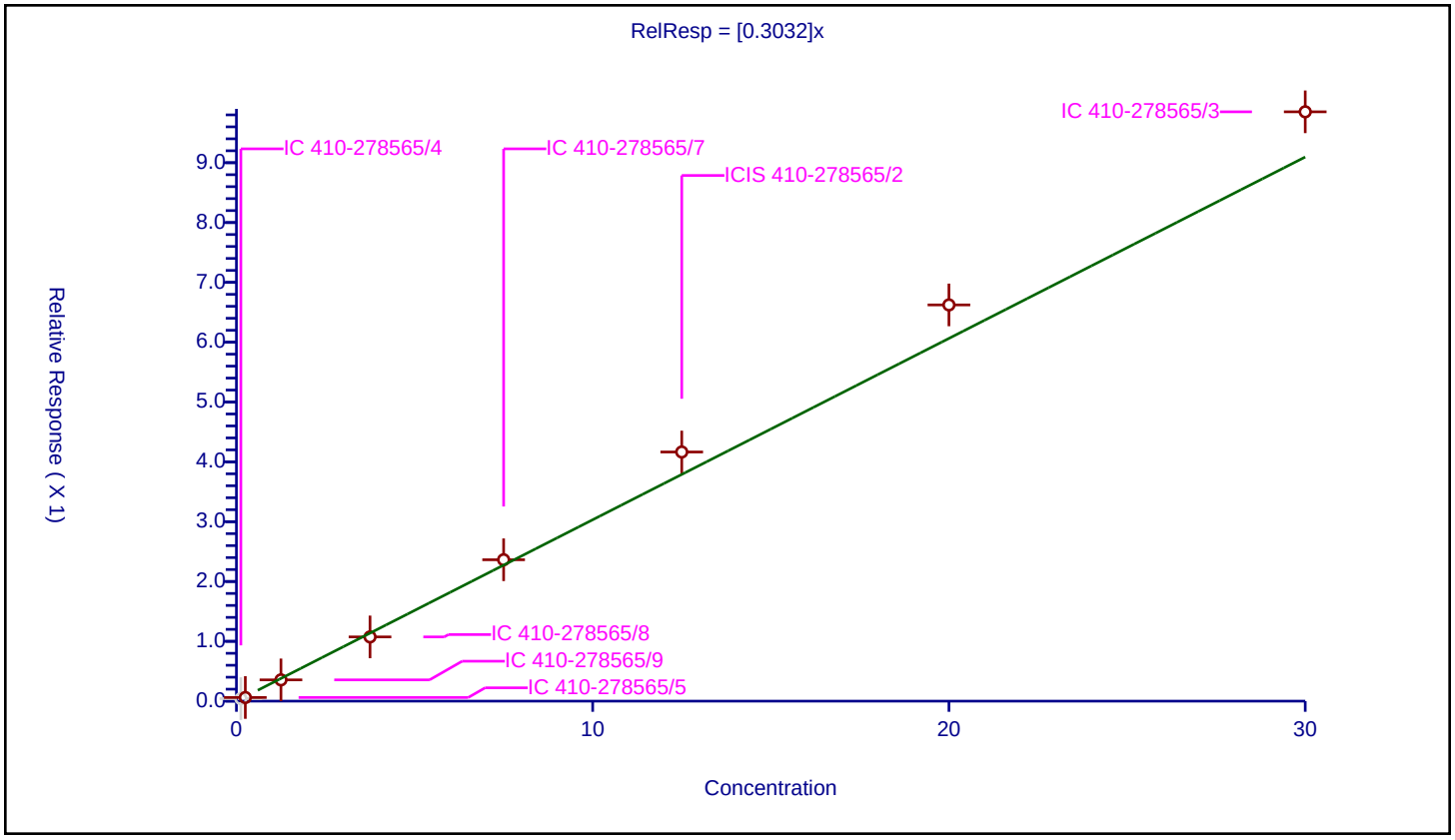
Curve Coefficients

Intercept:	0
Slope:	0.3032

Error Coefficients

Standard Error:	417000
Relative Standard Error:	11.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.042054	5.0	406504.0	0.33643	N
2	IC 410-278565/5	0.25	0.060949	5.0	424450.0	0.243798	Y
3	IC 410-278565/9	1.25	0.355335	5.0	418914.0	0.284268	Y
4	IC 410-278565/8	3.75	1.07378	5.0	468811.0	0.286341	Y
5	IC 410-278565/7	7.5	2.363288	5.0	431490.0	0.315105	Y
6	ICIS 410-278565/2	12.5	4.16476	5.0	405500.0	0.333181	Y
7	IC 410-278565/6	20.0	6.623329	5.0	361467.0	0.331166	Y
8	IC 410-278565/3	30.0	9.851154	5.0	408845.0	0.328372	Y



Calibration / Acenaphthene

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

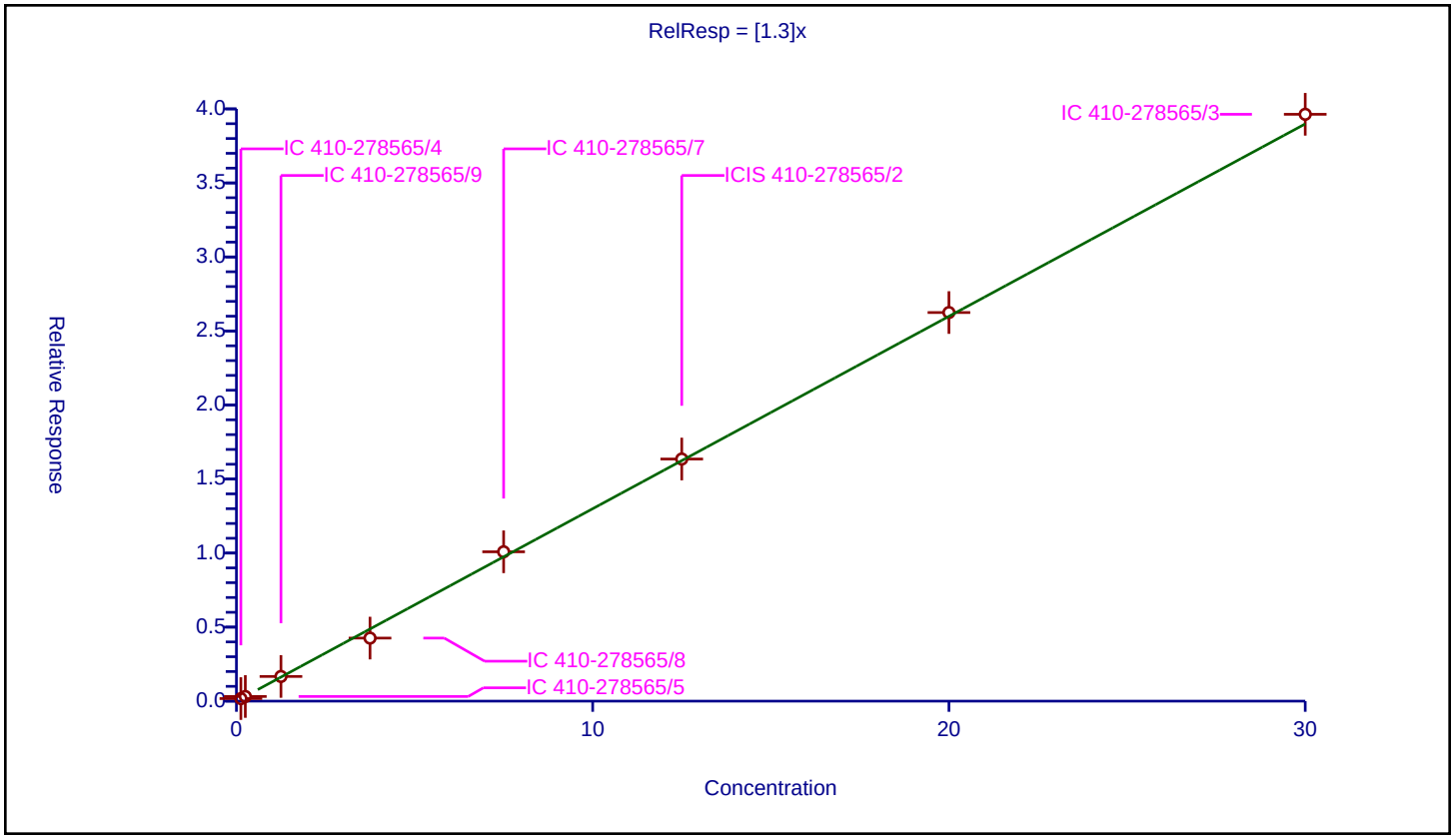
Curve Coefficients

Intercept:	0
Slope:	1.3

Error Coefficients

Standard Error:	1550000
Relative Standard Error:	5.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.173381	5.0	406504.0	1.387047	Y
2	IC 410-278565/5	0.25	0.313394	5.0	424450.0	1.253575	Y
3	IC 410-278565/9	1.25	1.666882	5.0	418914.0	1.333505	Y
4	IC 410-278565/8	3.75	4.258742	5.0	468811.0	1.135664	Y
5	IC 410-278565/7	7.5	10.086143	5.0	431490.0	1.344819	Y
6	ICIS 410-278565/2	12.5	16.35164	5.0	405500.0	1.308131	Y
7	IC 410-278565/6	20.0	26.246338	5.0	361467.0	1.312317	Y
8	IC 410-278565/3	30.0	39.635387	5.0	408845.0	1.32118	Y



Calibration / 2,4-Dinitrophenol

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

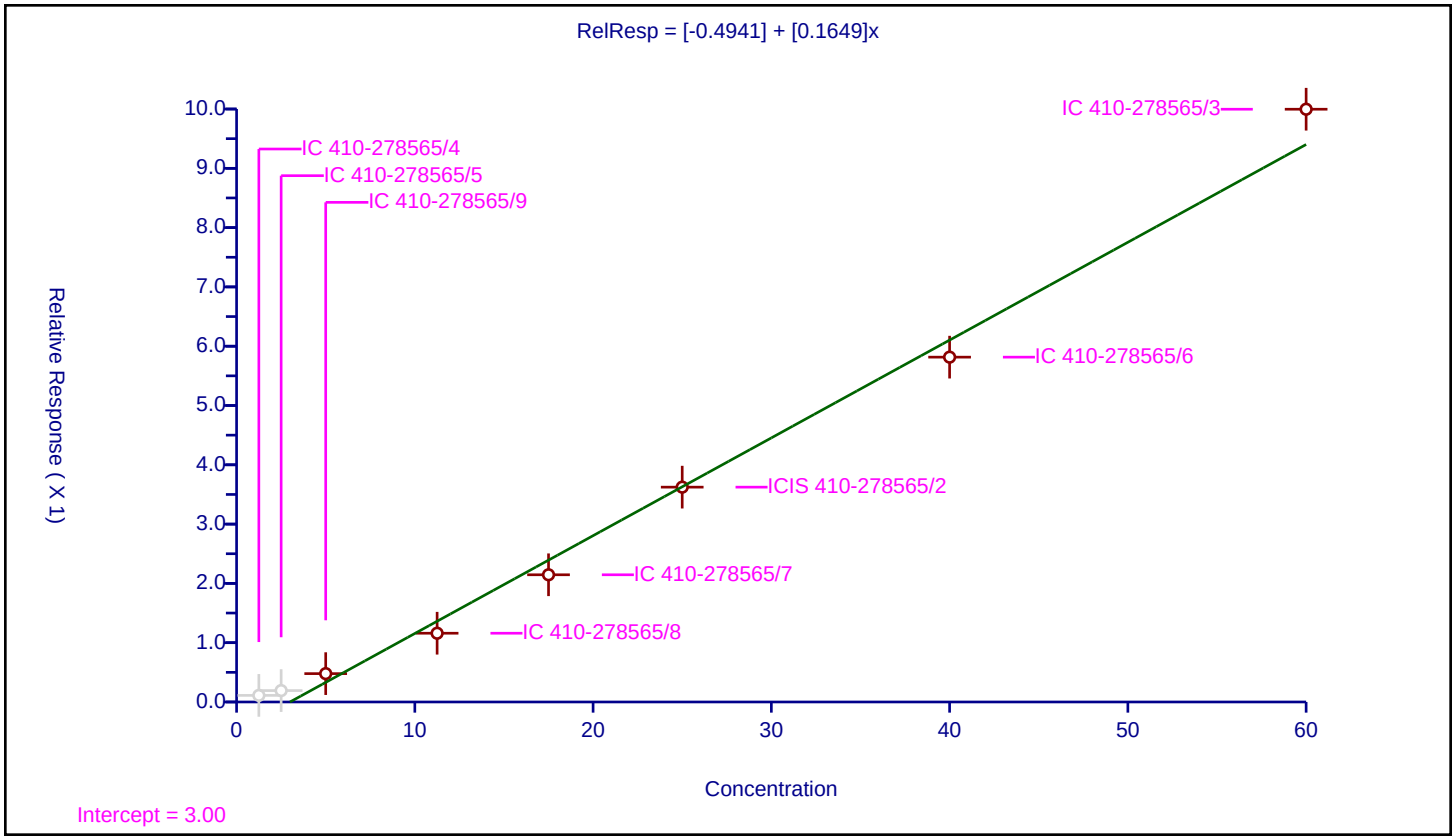
Curve Coefficients

Intercept:	-0.4941
Slope:	0.1649

Error Coefficients

Standard Error:	495000
Relative Standard Error:	11.9
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	1.25	0.111081	5.0	406504.0	0.088865	N
2	IC 410-278565/5	2.5	0.192402	5.0	424450.0	0.076961	N
3	IC 410-278565/9	5.0	0.47838	5.0	418914.0	0.095676	Y
4	IC 410-278565/8	11.25	1.159646	5.0	468811.0	0.10308	Y
5	IC 410-278565/7	17.5	2.145426	5.0	431490.0	0.122596	Y
6	ICIS 410-278565/2	25.0	3.623107	5.0	405500.0	0.144924	Y
7	IC 410-278565/6	40.0	5.815607	5.0	361467.0	0.14539	Y
8	IC 410-278565/3	60.0	9.996343	5.0	408845.0	0.166606	Y



Calibration / 4-Nitrophenol

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

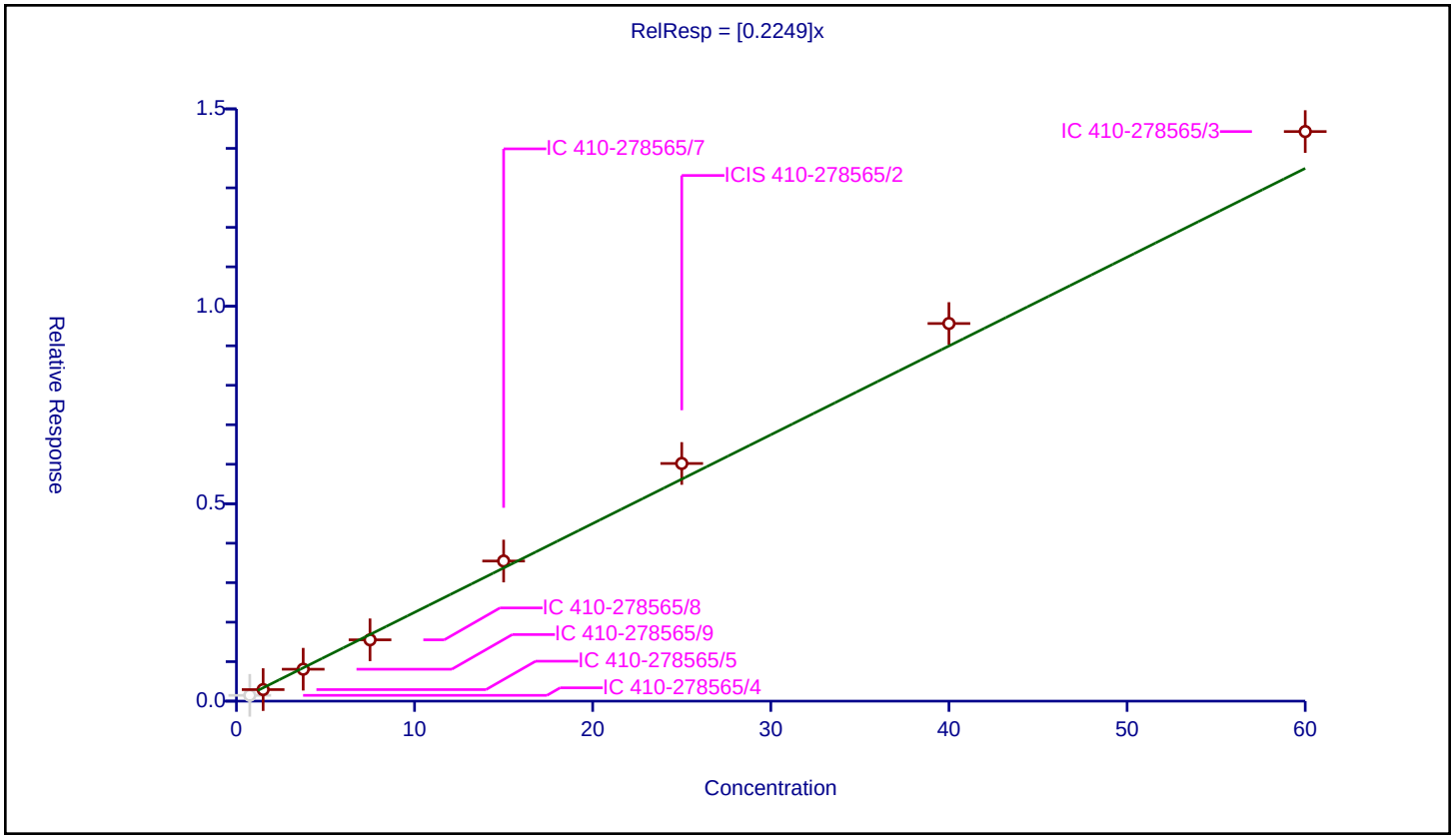
Curve Coefficients

Intercept:	0
Slope:	0.2249

Error Coefficients

Standard Error:	609000
Relative Standard Error:	8.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.75	0.146764	5.0	406504.0	0.195685	N
2	IC 410-278565/5	1.5	0.292131	5.0	424450.0	0.194754	Y
3	IC 410-278565/9	3.75	0.808197	5.0	418914.0	0.215519	Y
4	IC 410-278565/8	7.5	1.55327	5.0	468811.0	0.207103	Y
5	IC 410-278565/7	15.0	3.548448	5.0	431490.0	0.236563	Y
6	ICIS 410-278565/2	25.0	6.019334	5.0	405500.0	0.240773	Y
7	IC 410-278565/6	40.0	9.564552	5.0	361467.0	0.239114	Y
8	IC 410-278565/3	60.0	14.426262	5.0	408845.0	0.240438	Y



Calibration / Pentachlorobenzene

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

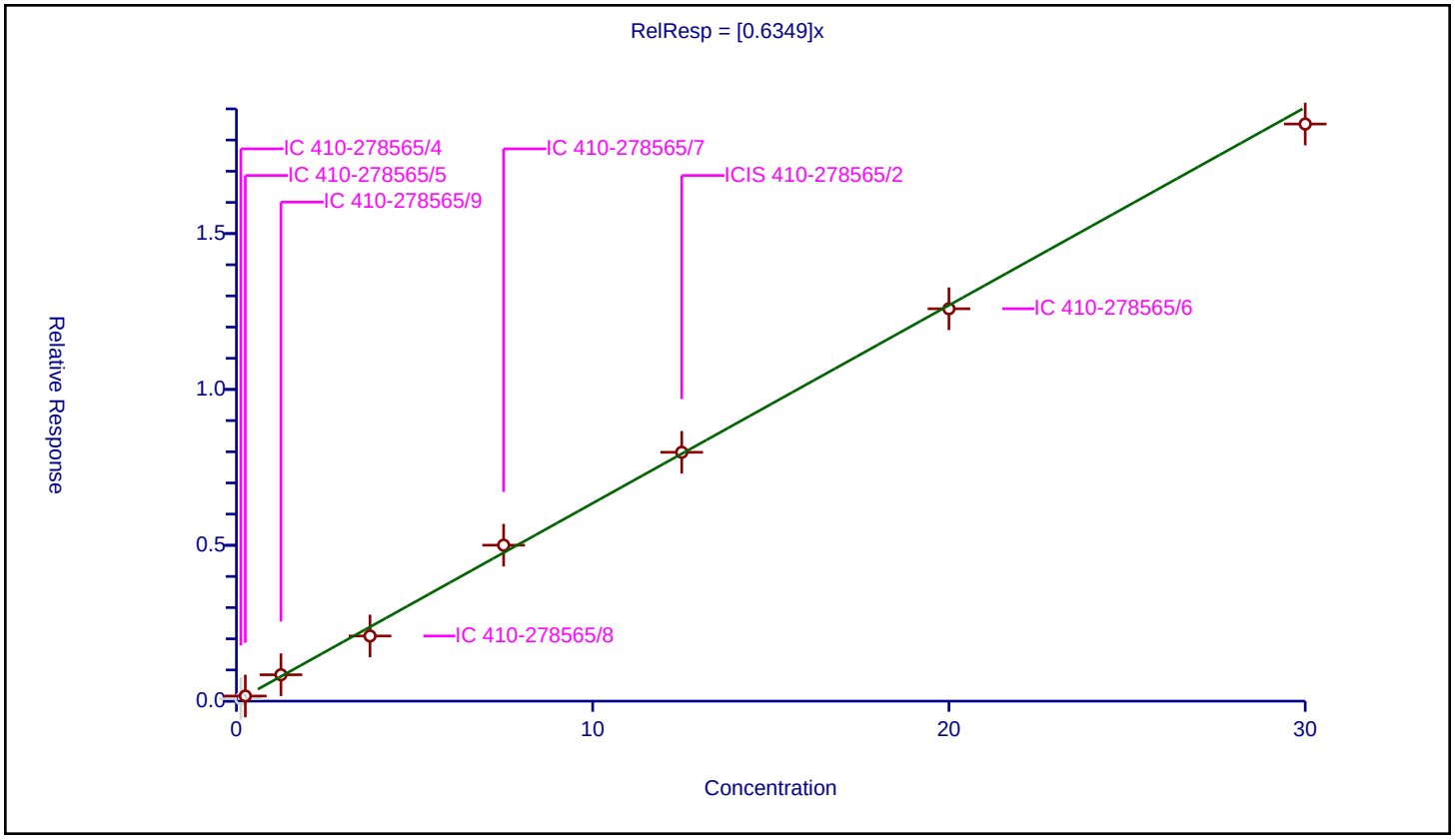
Curve Coefficients

Intercept:	0
Slope:	0.6349

Error Coefficients

Standard Error:	793000
Relative Standard Error:	6.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.079409	5.0	406504.0	0.635271	N
2	IC 410-278565/5	0.25	0.164448	5.0	424450.0	0.657792	Y
3	IC 410-278565/9	1.25	0.8462	5.0	418914.0	0.67696	Y
4	IC 410-278565/8	3.75	2.090224	5.0	468811.0	0.557393	Y
5	IC 410-278565/7	7.5	5.003291	5.0	431490.0	0.667105	Y
6	ICIS 410-278565/2	12.5	7.983822	5.0	405500.0	0.638706	Y
7	IC 410-278565/6	20.0	12.588148	5.0	361467.0	0.629407	Y
8	IC 410-278565/3	30.0	18.515	5.0	408845.0	0.617167	Y



Calibration / 2,4-Dinitrotoluene

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

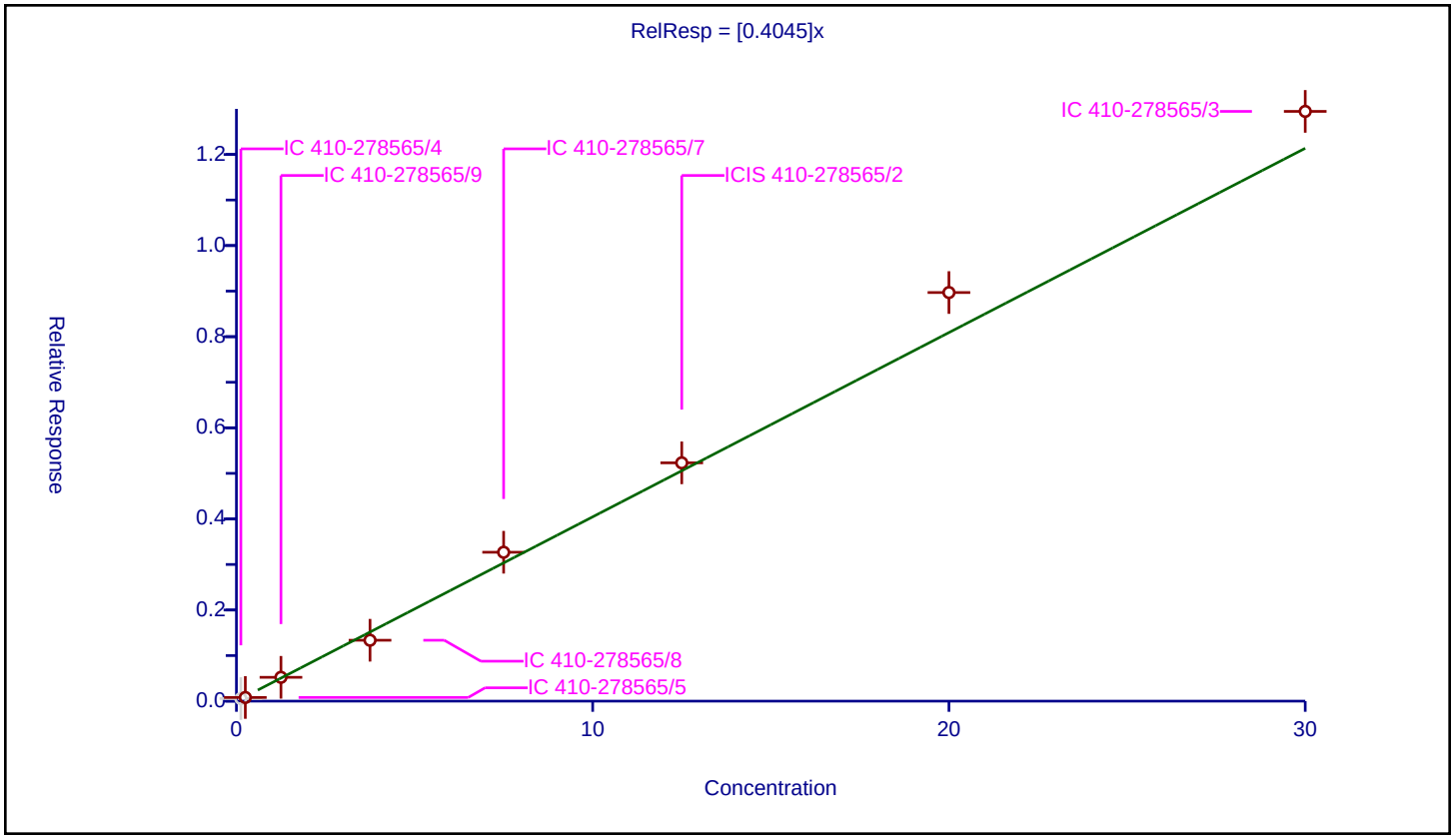
Curve Coefficients

Intercept:	0
Slope:	0.4045

Error Coefficients

Standard Error:	550000
Relative Standard Error:	11.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.056592	5.0	406504.0	0.452738	N
2	IC 410-278565/5	0.25	0.080646	5.0	424450.0	0.322582	Y
3	IC 410-278565/9	1.25	0.522924	5.0	418914.0	0.418339	Y
4	IC 410-278565/8	3.75	1.336594	5.0	468811.0	0.356425	Y
5	IC 410-278565/7	7.5	3.268558	5.0	431490.0	0.435808	Y
6	ICIS 410-278565/2	12.5	5.231147	5.0	405500.0	0.418492	Y
7	IC 410-278565/6	20.0	8.969173	5.0	361467.0	0.448459	Y
8	IC 410-278565/3	30.0	12.945175	5.0	408845.0	0.431506	Y



Calibration / Dibenzofuran

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

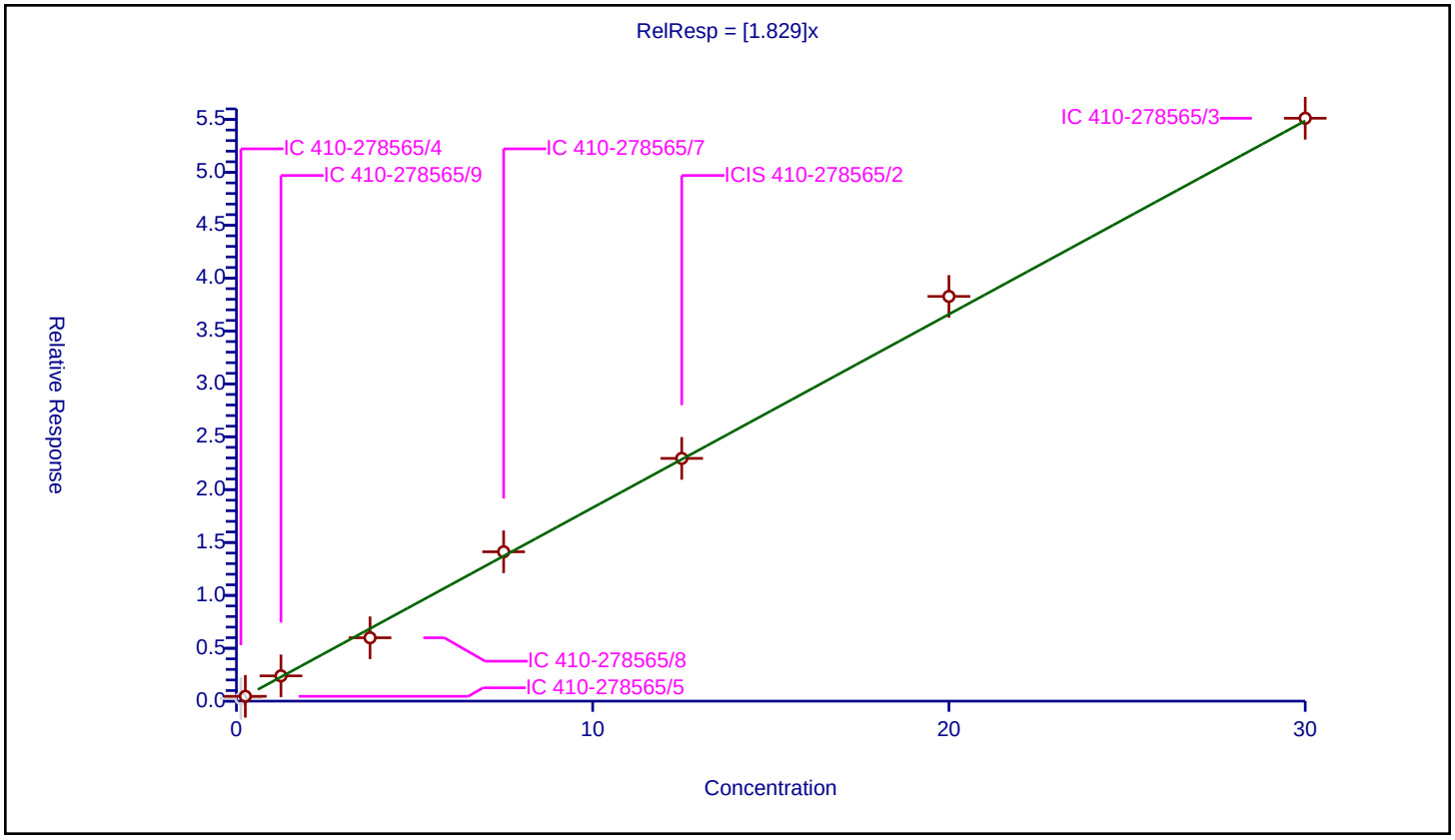
Curve Coefficients

Intercept:	0
Slope:	1.829

Error Coefficients

Standard Error:	2350000
Relative Standard Error:	5.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.248583	5.0	406504.0	1.988664	N
2	IC 410-278565/5	0.25	0.456096	5.0	424450.0	1.824384	Y
3	IC 410-278565/9	1.25	2.389011	5.0	418914.0	1.911209	Y
4	IC 410-278565/8	3.75	5.992319	5.0	468811.0	1.597952	Y
5	IC 410-278565/7	7.5	14.122413	5.0	431490.0	1.882988	Y
6	ICIS 410-278565/2	12.5	22.952528	5.0	405500.0	1.836202	Y
7	IC 410-278565/6	20.0	38.268971	5.0	361467.0	1.913449	Y
8	IC 410-278565/3	30.0	55.115692	5.0	408845.0	1.83719	Y



Calibration / 1-Naphthylamine

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

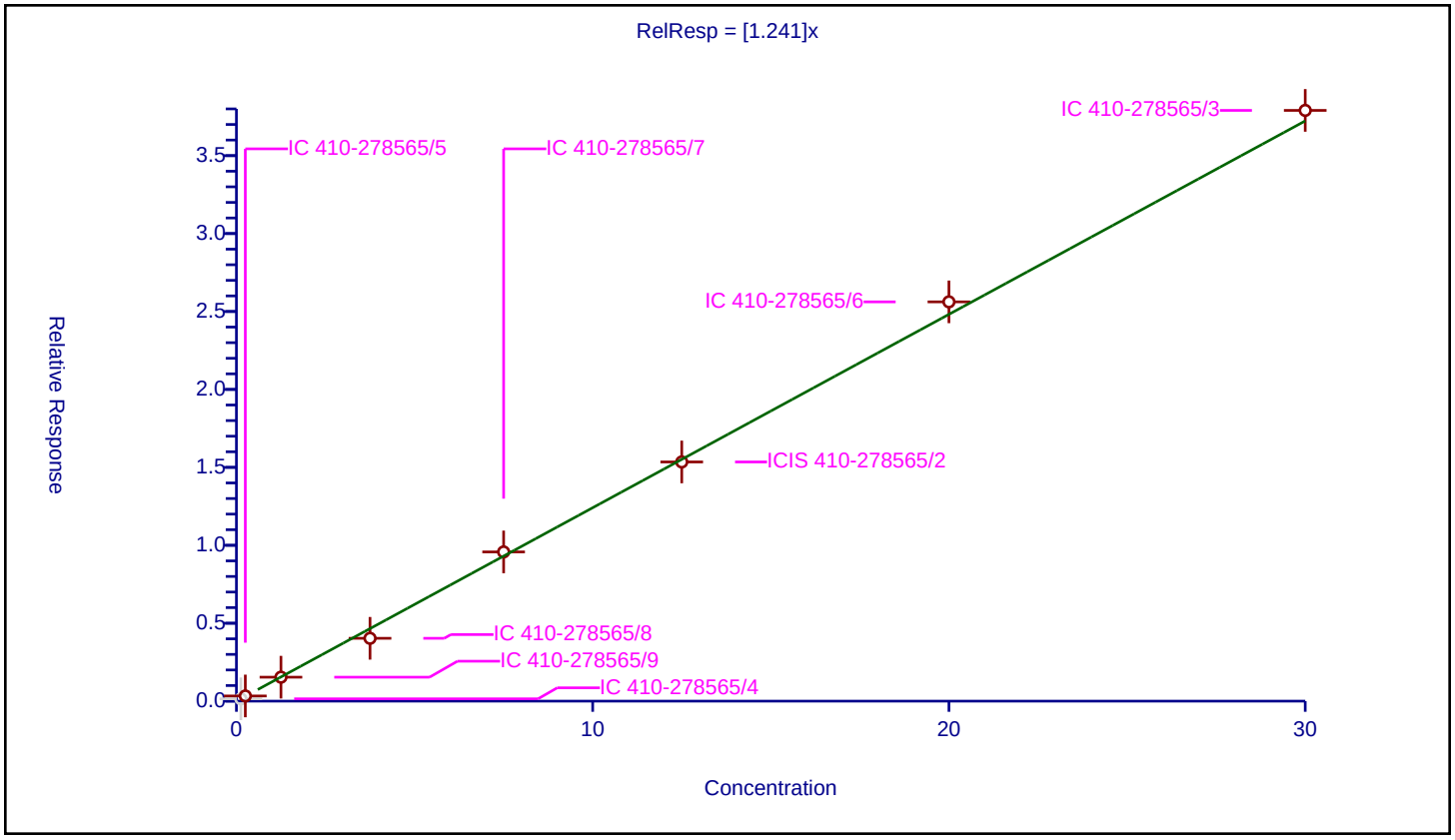
Curve Coefficients

Intercept:	0
Slope:	1.241

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	6.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.150011	5.0	406504.0	1.200087	N
2	IC 410-278565/5	0.25	0.333102	5.0	424450.0	1.332407	Y
3	IC 410-278565/9	1.25	1.537547	5.0	418914.0	1.230038	Y
4	IC 410-278565/8	3.75	4.032499	5.0	468811.0	1.075333	Y
5	IC 410-278565/7	7.5	9.57342	5.0	431490.0	1.276456	Y
6	ICIS 410-278565/2	12.5	15.346141	5.0	405500.0	1.227691	Y
7	IC 410-278565/6	20.0	25.619213	5.0	361467.0	1.280961	Y
8	IC 410-278565/3	30.0	37.901735	5.0	408845.0	1.263391	Y



Calibration / 2,3,4,6-Tetrachlorophenol

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

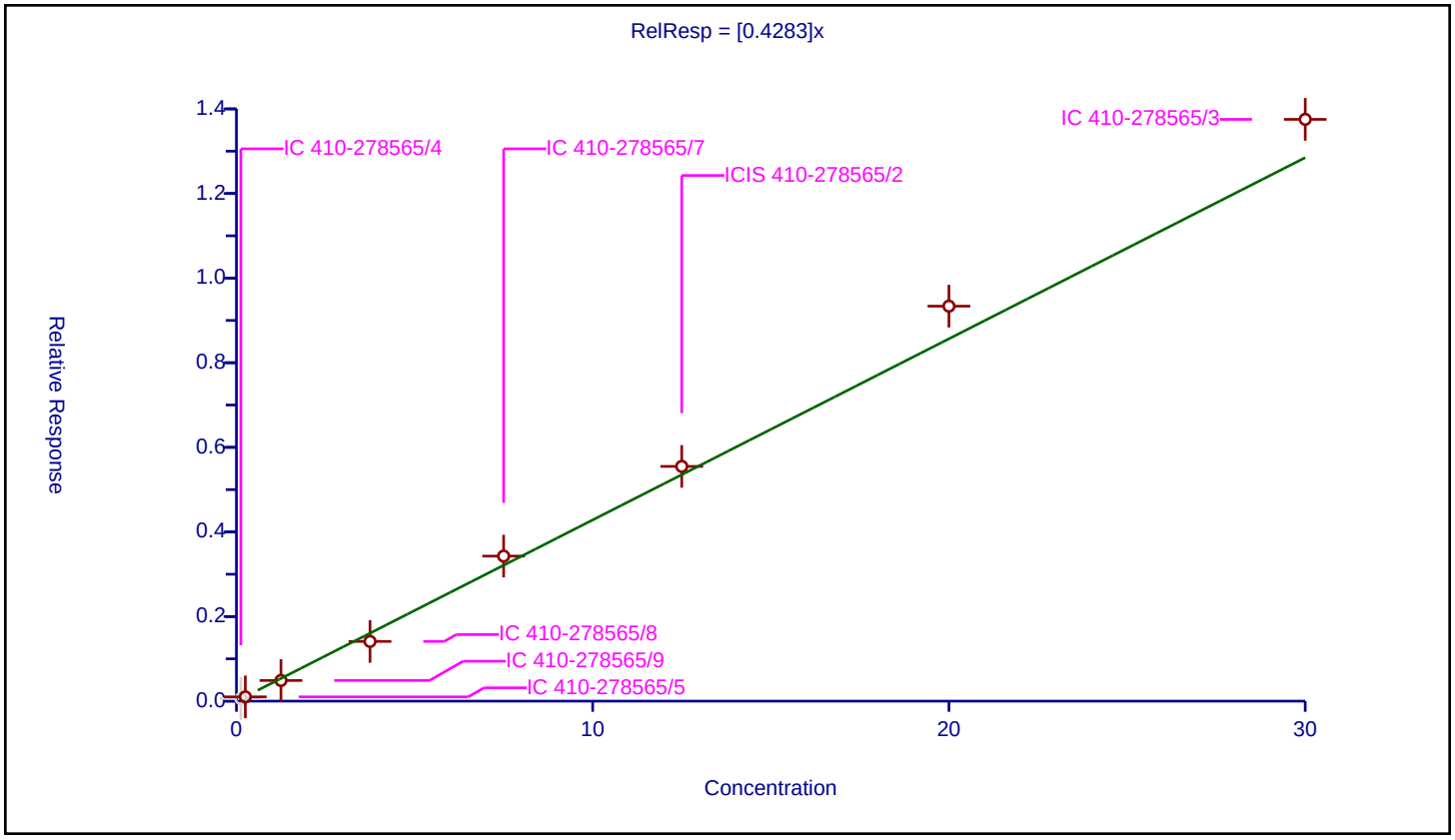
Curve Coefficients

Intercept:	0
Slope:	0.4283

Error Coefficients

Standard Error:	582000
Relative Standard Error:	8.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.061771	5.0	406504.0	0.494165	N
2	IC 410-278565/5	0.25	0.101084	5.0	424450.0	0.404335	Y
3	IC 410-278565/9	1.25	0.488513	5.0	418914.0	0.390811	Y
4	IC 410-278565/8	3.75	1.411518	5.0	468811.0	0.376405	Y
5	IC 410-278565/7	7.5	3.428237	5.0	431490.0	0.457098	Y
6	ICIS 410-278565/2	12.5	5.549199	5.0	405500.0	0.443936	Y
7	IC 410-278565/6	20.0	9.337076	5.0	361467.0	0.466854	Y
8	IC 410-278565/3	30.0	13.752571	5.0	408845.0	0.458419	Y



Calibration / 2-Naphthylamine

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

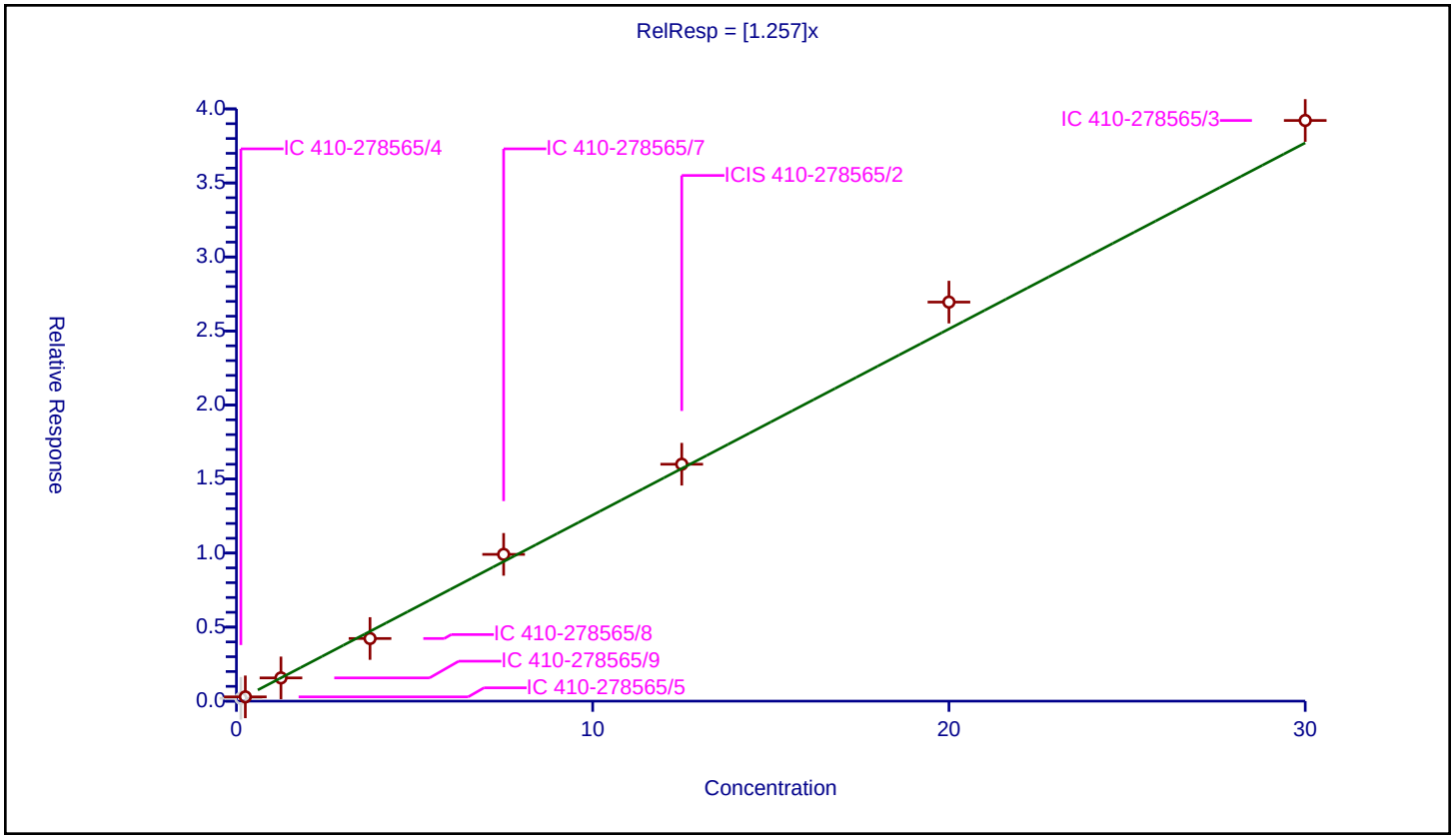
Curve Coefficients

Intercept:	0
Slope:	1.257

Error Coefficients

Standard Error:	1670000
Relative Standard Error:	6.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.190847	5.0	406504.0	1.526775	N
2	IC 410-278565/5	0.25	0.289221	5.0	424450.0	1.156885	Y
3	IC 410-278565/9	1.25	1.570179	5.0	418914.0	1.256143	Y
4	IC 410-278565/8	3.75	4.230788	5.0	468811.0	1.12821	Y
5	IC 410-278565/7	7.5	9.911655	5.0	431490.0	1.321554	Y
6	ICIS 410-278565/2	12.5	16.001011	5.0	405500.0	1.280081	Y
7	IC 410-278565/6	20.0	26.950524	5.0	361467.0	1.347526	Y
8	IC 410-278565/3	30.0	39.216965	5.0	408845.0	1.307232	Y



Calibration / Diethyl phthalate

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

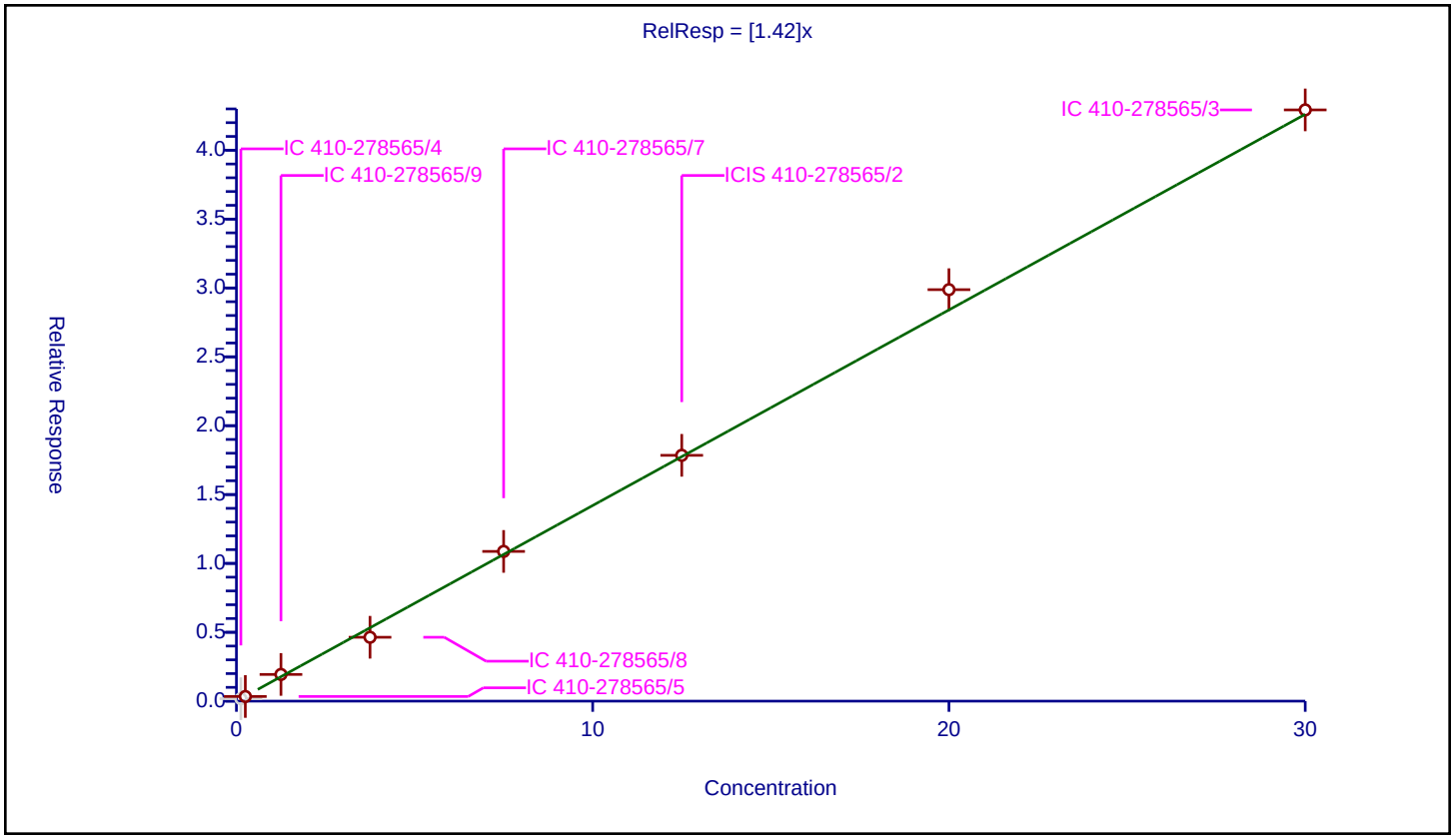
Curve Coefficients

Intercept:	0
Slope:	1.42

Error Coefficients

Standard Error:	1830000
Relative Standard Error:	7.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.177993	5.0	406504.0	1.423947	N
2	IC 410-278565/5	0.25	0.337825	5.0	424450.0	1.351302	Y
3	IC 410-278565/9	1.25	1.939408	5.0	418914.0	1.551526	Y
4	IC 410-278565/8	3.75	4.63897	5.0	468811.0	1.237059	Y
5	IC 410-278565/7	7.5	10.86987	5.0	431490.0	1.449316	Y
6	ICIS 410-278565/2	12.5	17.847448	5.0	405500.0	1.427796	Y
7	IC 410-278565/6	20.0	29.875798	5.0	361467.0	1.49379	Y
8	IC 410-278565/3	30.0	42.926635	5.0	408845.0	1.430888	Y



Calibration / Thionazin

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

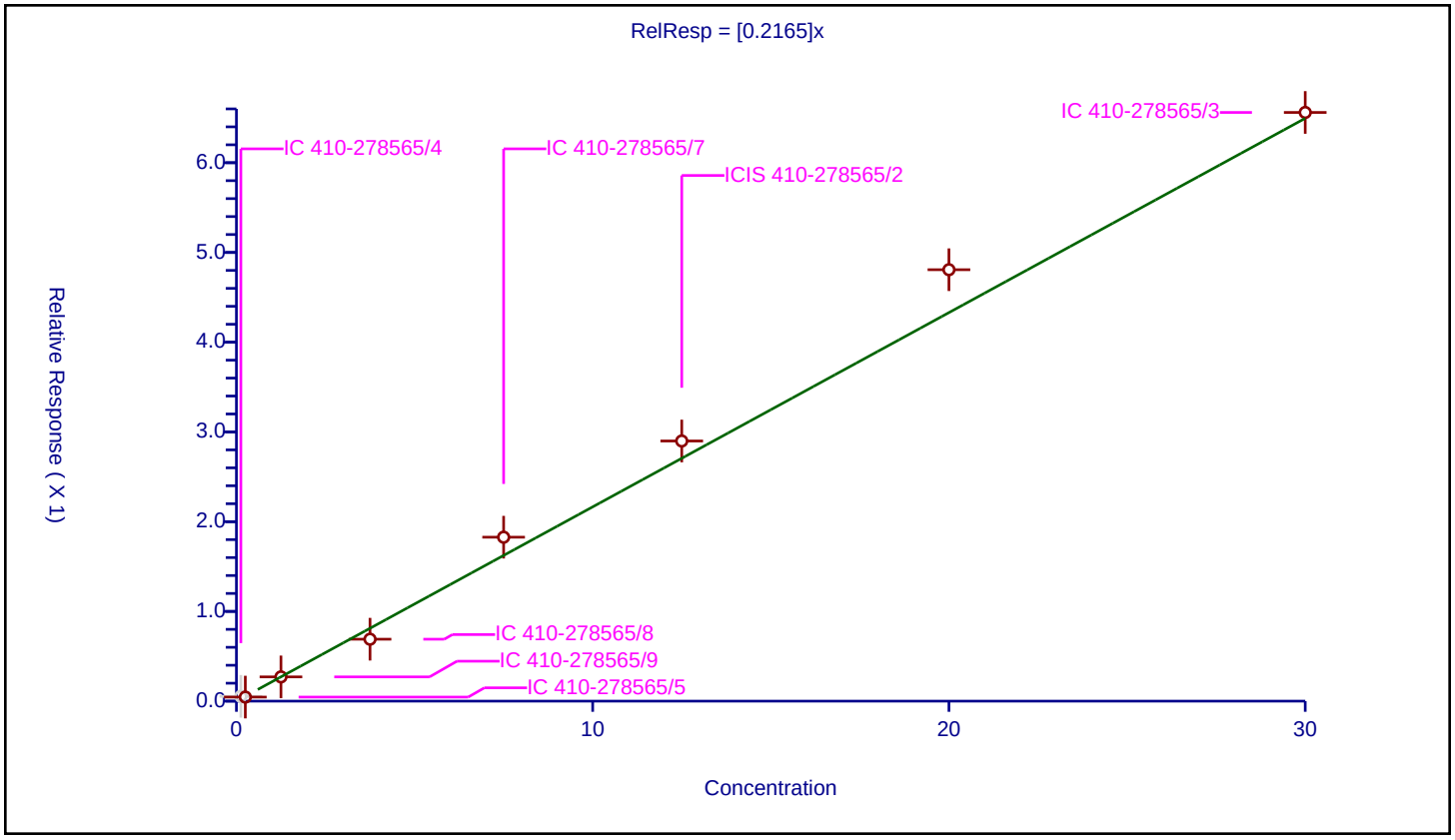
Curve Coefficients

Intercept:	0
Slope:	0.2165

Error Coefficients

Standard Error:	287000
Relative Standard Error:	11.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.053419	5.0	406504.0	0.427351	N
2	IC 410-278565/5	0.25	0.045153	5.0	424450.0	0.18061	Y
3	IC 410-278565/9	1.25	0.27027	5.0	418914.0	0.216216	Y
4	IC 410-278565/8	3.75	0.690225	5.0	468811.0	0.18406	Y
5	IC 410-278565/7	7.5	1.826902	5.0	431490.0	0.243587	Y
6	ICIS 410-278565/2	12.5	2.899112	5.0	405500.0	0.231929	Y
7	IC 410-278565/6	20.0	4.807756	5.0	361467.0	0.240388	Y
8	IC 410-278565/3	30.0	6.560114	5.0	408845.0	0.21867	Y



Calibration / Fluorene

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

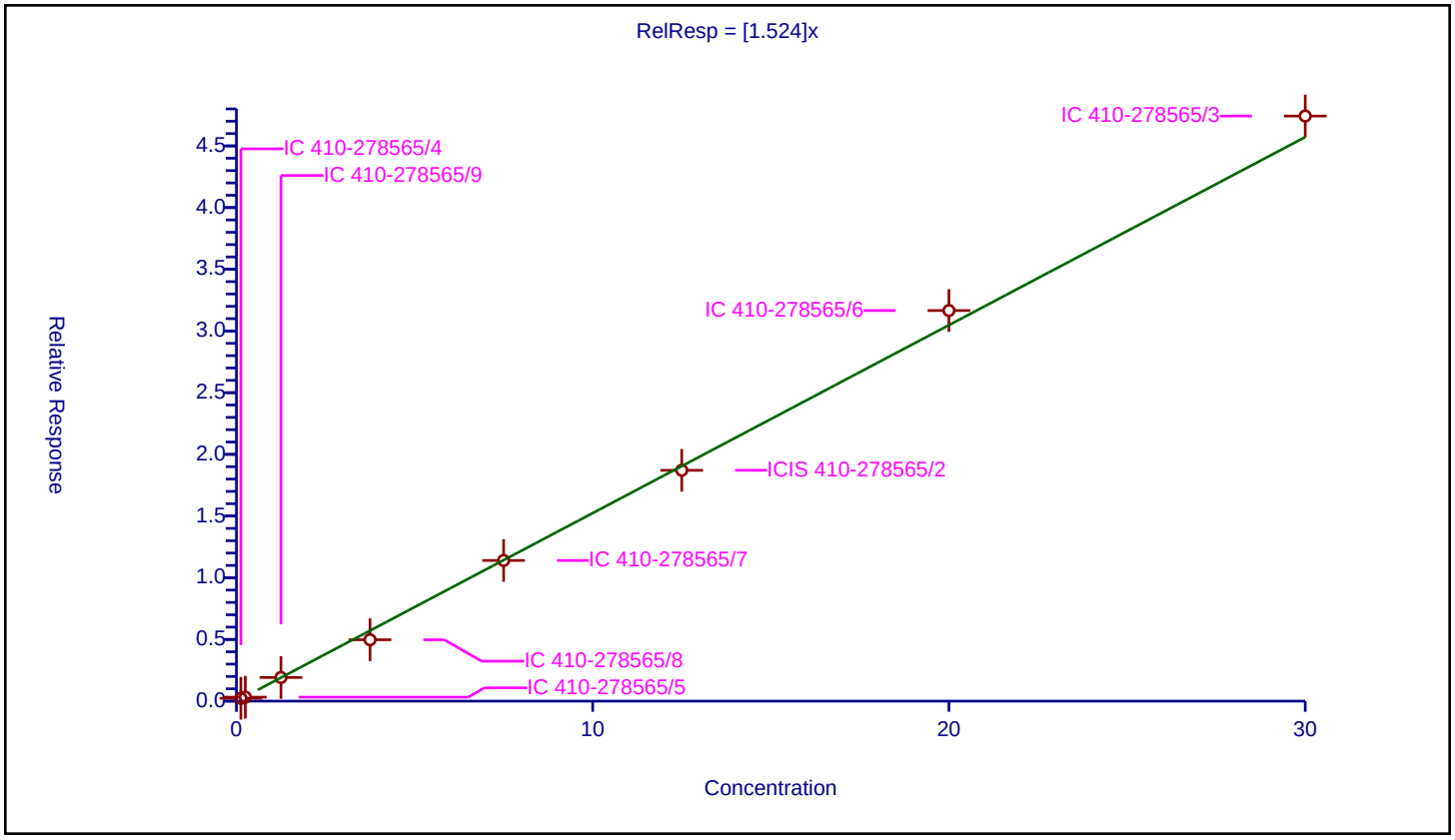
Curve Coefficients

Intercept:	0
Slope:	1.524

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	11.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.232076	5.0	406504.0	1.856611	Y
2	IC 410-278565/5	0.25	0.323748	5.0	424450.0	1.294994	Y
3	IC 410-278565/9	1.25	1.915119	5.0	418914.0	1.532095	Y
4	IC 410-278565/8	3.75	4.973539	5.0	468811.0	1.326277	Y
5	IC 410-278565/7	7.5	11.401342	5.0	431490.0	1.520179	Y
6	ICIS 410-278565/2	12.5	18.710826	5.0	405500.0	1.496866	Y
7	IC 410-278565/6	20.0	31.656112	5.0	361467.0	1.582806	Y
8	IC 410-278565/3	30.0	47.420636	5.0	408845.0	1.580688	Y



Calibration / 4-Chlorophenyl phenyl ether

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

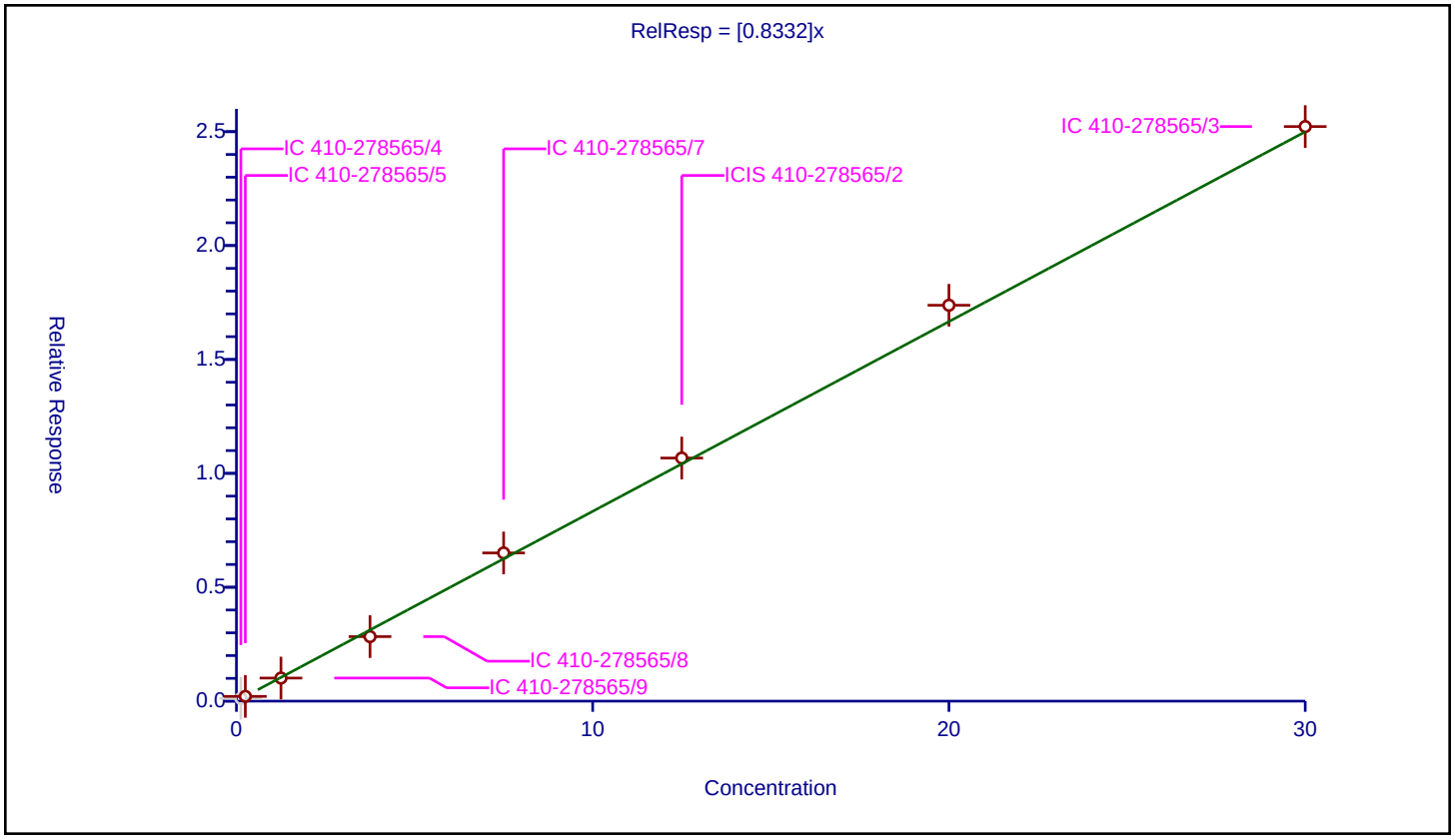
Curve Coefficients

Intercept:	0
Slope:	0.8332

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	4.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.122139	5.0	406504.0	0.977112	N
2	IC 410-278565/5	0.25	0.20867	5.0	424450.0	0.83468	Y
3	IC 410-278565/9	1.25	1.013728	5.0	418914.0	0.810983	Y
4	IC 410-278565/8	3.75	2.832933	5.0	468811.0	0.755449	Y
5	IC 410-278565/7	7.5	6.506107	5.0	431490.0	0.867481	Y
6	ICIS 410-278565/2	12.5	10.672503	5.0	405500.0	0.8538	Y
7	IC 410-278565/6	20.0	17.380342	5.0	361467.0	0.869017	Y
8	IC 410-278565/3	30.0	25.224621	5.0	408845.0	0.840821	Y



Calibration / N-Nitro-o-toluidine

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

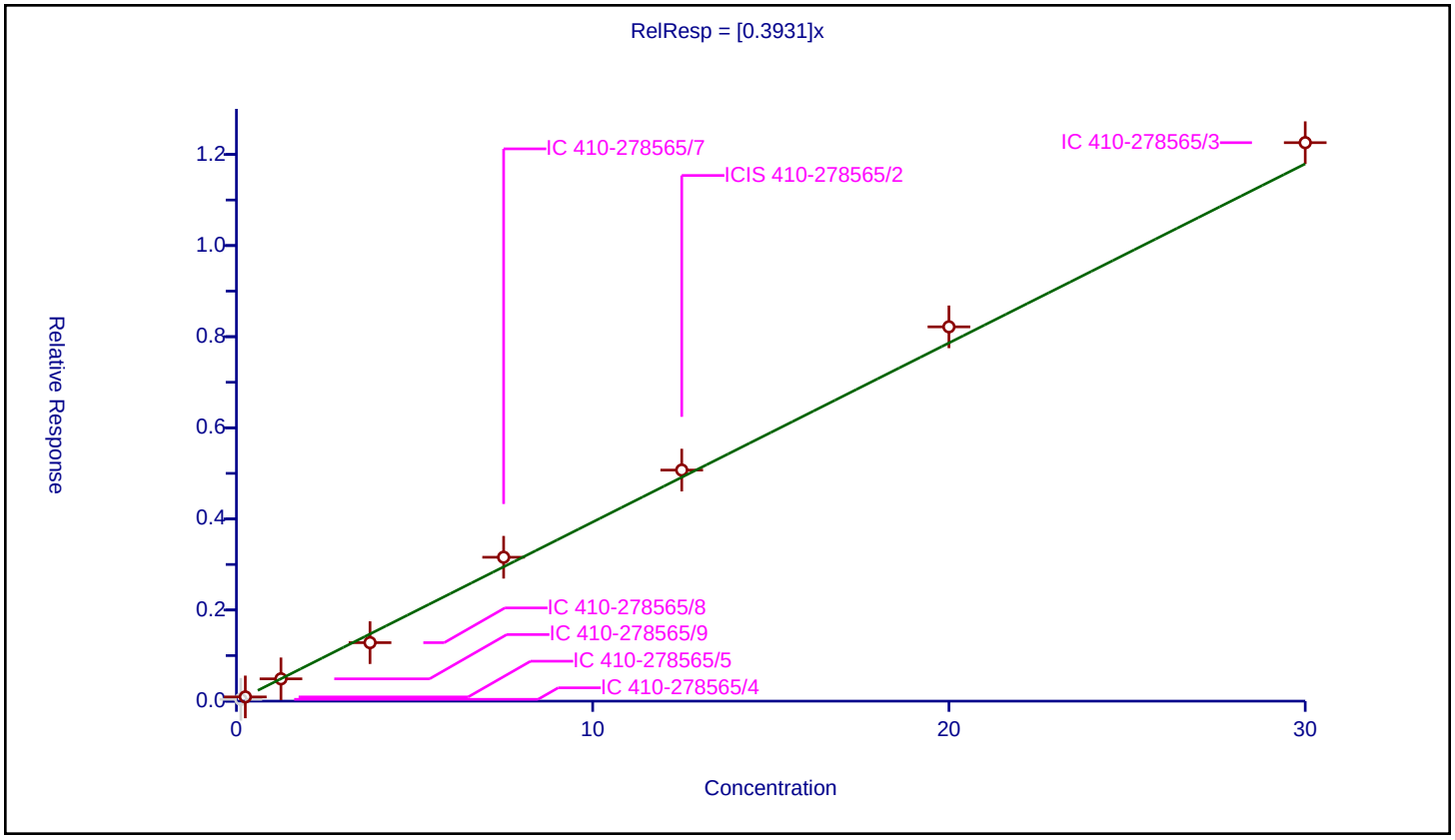
Curve Coefficients

Intercept:	0
Slope:	0.3931

Error Coefficients

Standard Error:	519000
Relative Standard Error:	7.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.039864	5.0	406504.0	0.318914	N
2	IC 410-278565/5	0.25	0.092791	5.0	424450.0	0.371163	Y
3	IC 410-278565/9	1.25	0.48991	5.0	418914.0	0.391928	Y
4	IC 410-278565/8	3.75	1.284078	5.0	468811.0	0.342421	Y
5	IC 410-278565/7	7.5	3.158602	5.0	431490.0	0.421147	Y
6	ICIS 410-278565/2	12.5	5.072047	5.0	405500.0	0.405764	Y
7	IC 410-278565/6	20.0	8.216255	5.0	361467.0	0.410813	Y
8	IC 410-278565/3	30.0	12.258484	5.0	408845.0	0.408616	Y



Calibration / 4-Nitroaniline

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

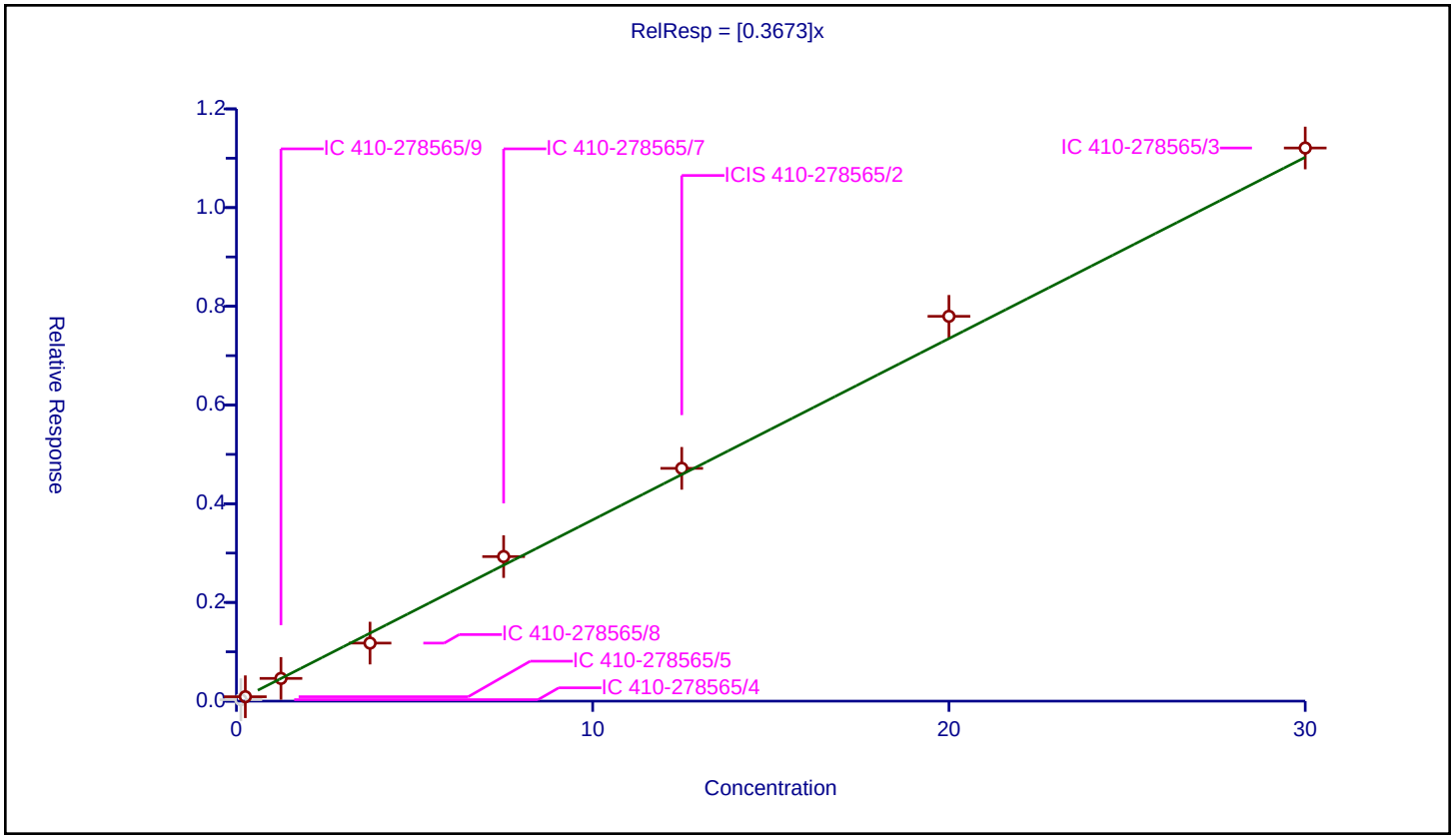
Curve Coefficients

Intercept:	0
Slope:	0.3673

Error Coefficients

Standard Error:	480000
Relative Standard Error:	7.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.029815	5.0	406504.0	0.238522	N
2	IC 410-278565/5	0.25	0.089457	5.0	424450.0	0.357828	Y
3	IC 410-278565/9	1.25	0.460655	5.0	418914.0	0.368524	Y
4	IC 410-278565/8	3.75	1.176071	5.0	468811.0	0.313619	Y
5	IC 410-278565/7	7.5	2.929002	5.0	431490.0	0.390534	Y
6	ICIS 410-278565/2	12.5	4.717004	5.0	405500.0	0.37736	Y
7	IC 410-278565/6	20.0	7.797116	5.0	361467.0	0.389856	Y
8	IC 410-278565/3	30.0	11.207621	5.0	408845.0	0.373587	Y



Calibration / 4,6-Dinitro-2-methylphenol

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

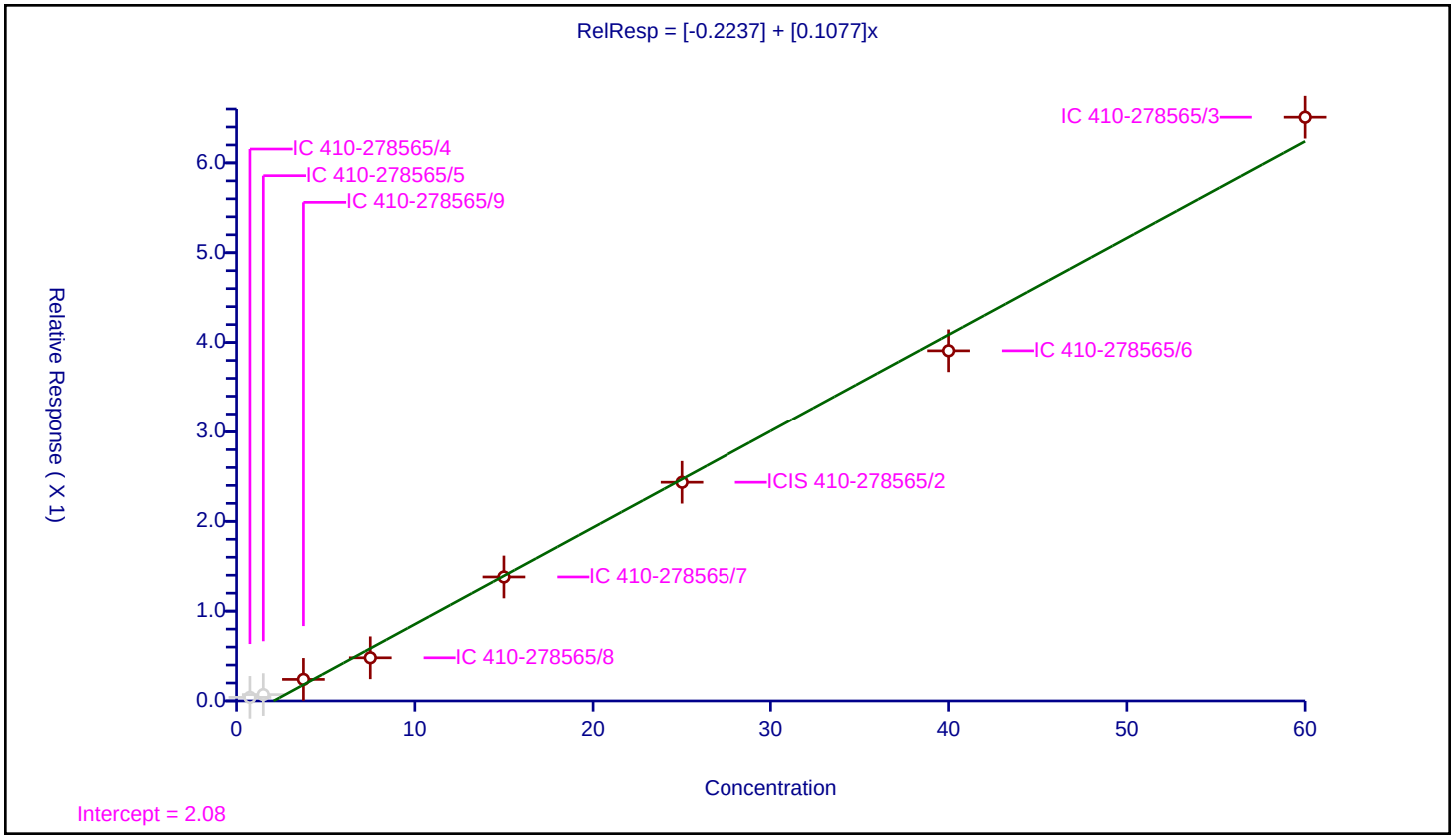
Curve Coefficients

Intercept:	-0.2237
Slope:	0.1077

Error Coefficients

Standard Error:	687000
Relative Standard Error:	10.3
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.75	0.040109	5.0	866647.0	0.053478	N
2	IC 410-278565/5	1.5	0.071031	5.0	876941.0	0.047354	N
3	IC 410-278565/9	3.75	0.240285	5.0	902593.0	0.064076	Y
4	IC 410-278565/8	7.5	0.4808	5.0	977246.0	0.064107	Y
5	IC 410-278565/7	15.0	1.380335	5.0	904958.0	0.092022	Y
6	ICIS 410-278565/2	25.0	2.435475	5.0	827272.0	0.097419	Y
7	IC 410-278565/6	40.0	3.907886	5.0	769837.0	0.097697	Y
8	IC 410-278565/3	60.0	6.509092	5.0	871925.0	0.108485	Y



Calibration / N-Nitrosodiphenylamine

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

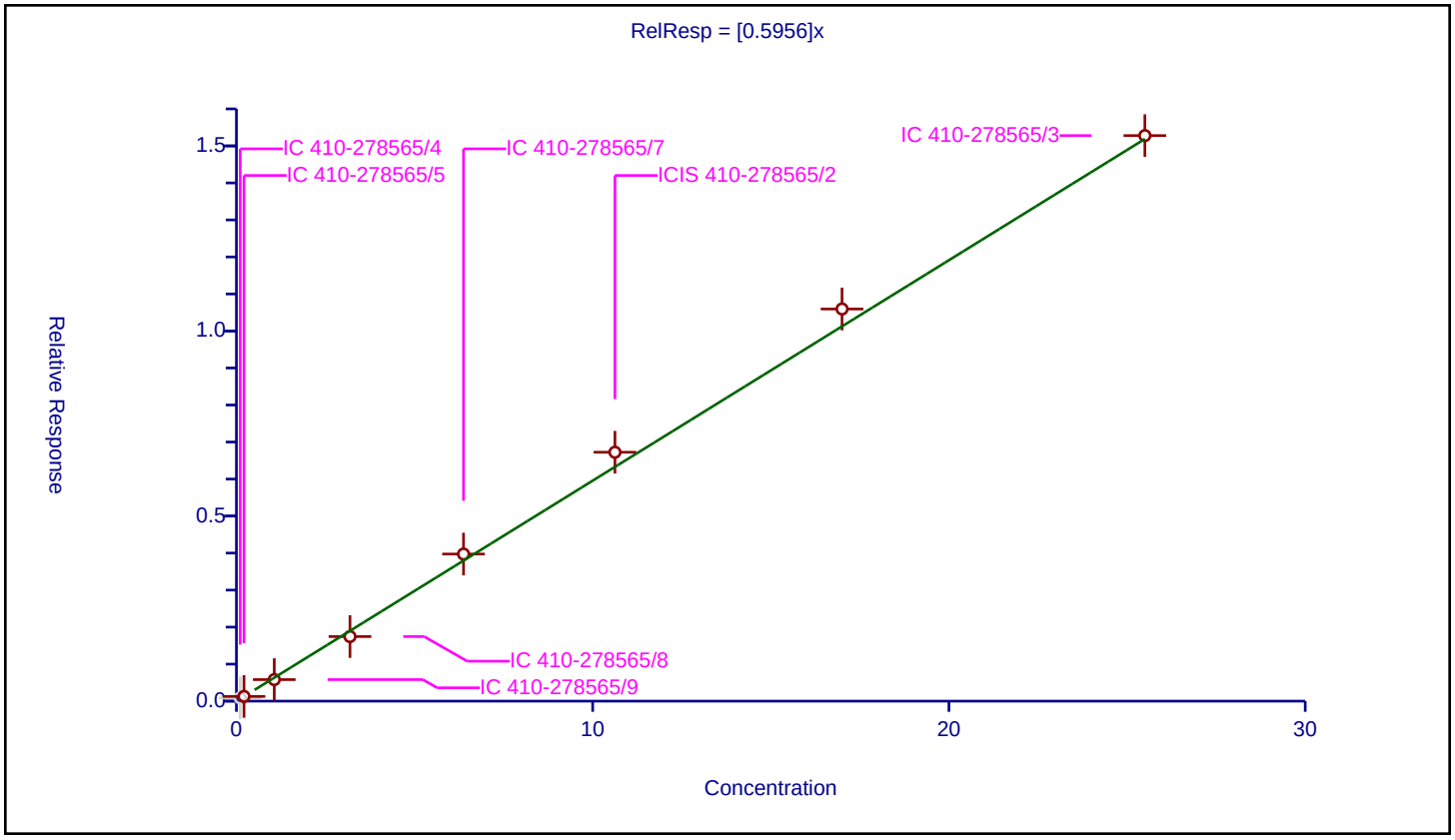
Curve Coefficients

Intercept:	0
Slope:	0.5956

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	6.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.10625	0.08714	5.0	866647.0	0.820145	N
2	IC 410-278565/5	0.2125	0.126662	5.0	876941.0	0.596056	Y
3	IC 410-278565/9	1.0625	0.58153	5.0	902593.0	0.547322	Y
4	IC 410-278565/8	3.1875	1.744515	5.0	977246.0	0.547299	Y
5	IC 410-278565/7	6.375	3.973936	5.0	904958.0	0.623362	Y
6	ICIS 410-278565/2	10.625	6.724161	5.0	827272.0	0.632862	Y
7	IC 410-278565/6	17.0	10.593795	5.0	769837.0	0.623164	Y
8	IC 410-278565/3	25.5	15.278269	5.0	871925.0	0.599148	Y



Calibration / 1,2-Diphenylhydrazine

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

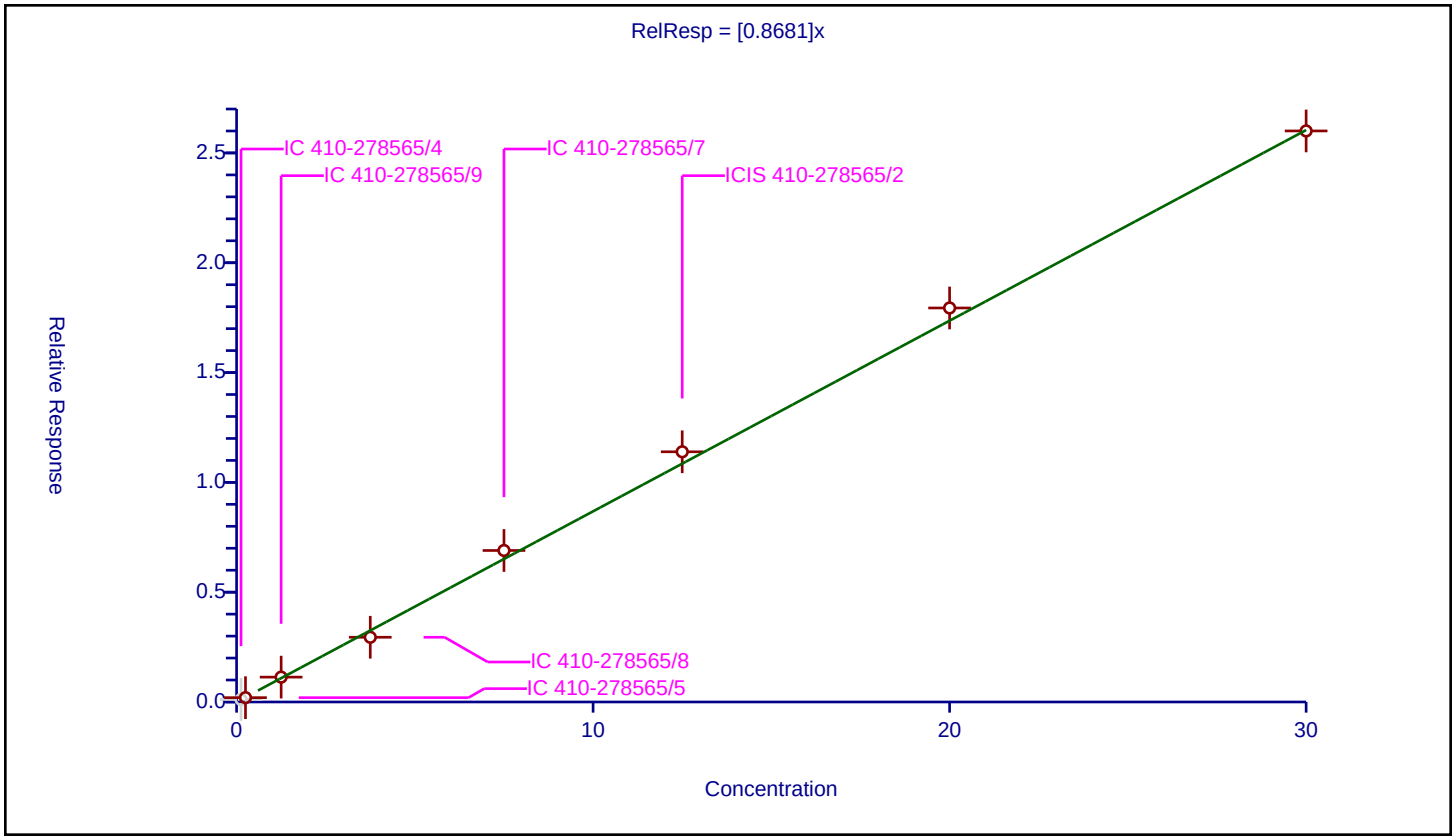
Curve Coefficients

Intercept:	0
Slope:	0.8681

Error Coefficients

Standard Error:	2370000
Relative Standard Error:	6.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.115133	5.0	866647.0	0.921067	N
2	IC 410-278565/5	0.25	0.197385	5.0	876941.0	0.78954	Y
3	IC 410-278565/9	1.25	1.132554	5.0	902593.0	0.906043	Y
4	IC 410-278565/8	3.75	2.947236	5.0	977246.0	0.78593	Y
5	IC 410-278565/7	7.5	6.898922	5.0	904958.0	0.919856	Y
6	ICIS 410-278565/2	12.5	11.392523	5.0	827272.0	0.911402	Y
7	IC 410-278565/6	20.0	17.940928	5.0	769837.0	0.897046	Y
8	IC 410-278565/3	30.0	26.001508	5.0	871925.0	0.866717	Y



Calibration / 2,4,6-Tribromophenol

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

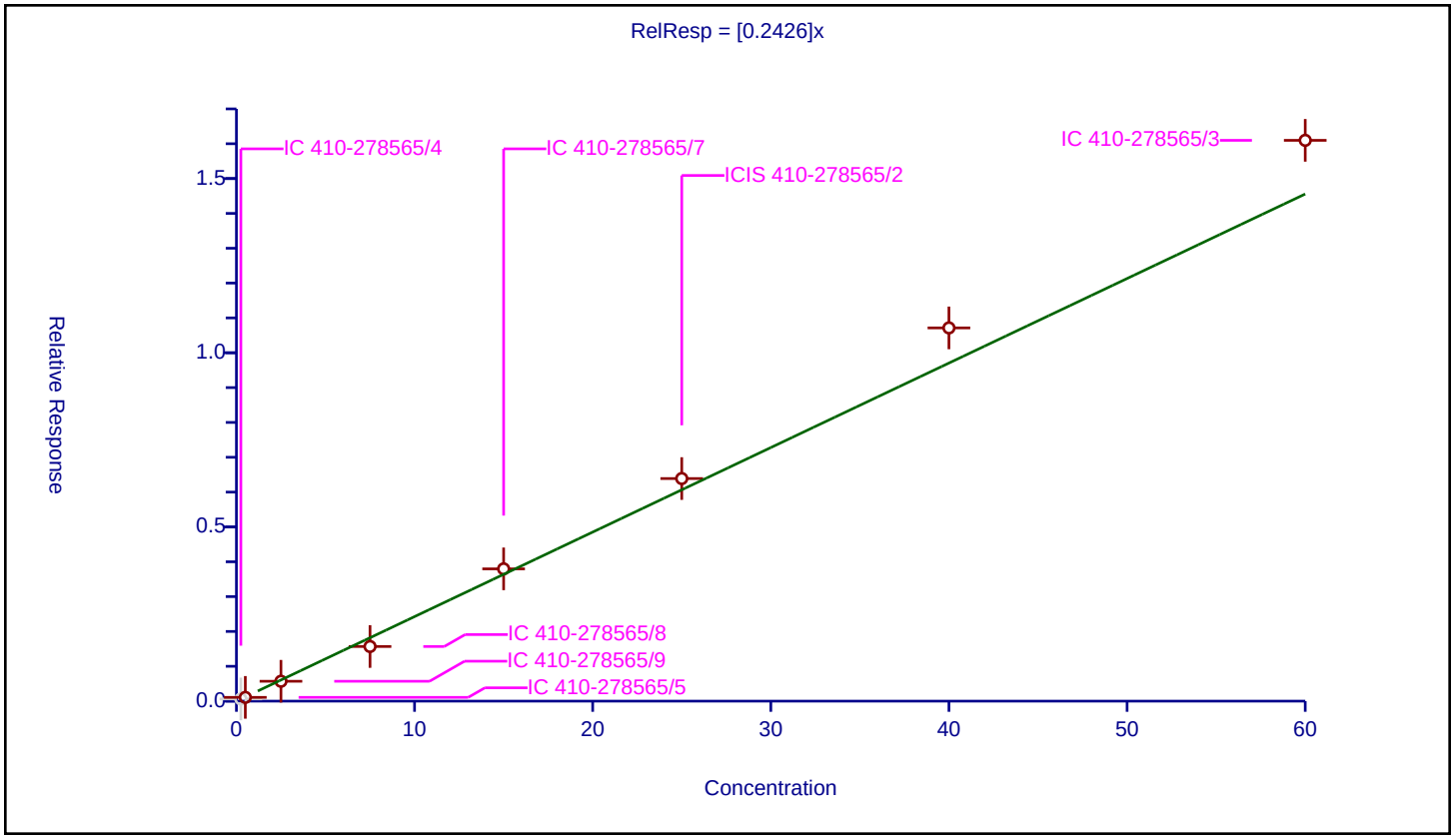
Curve Coefficients

Intercept:	0
Slope:	0.2426

Error Coefficients

Standard Error:	675000
Relative Standard Error:	10.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.25	0.063038	5.0	406504.0	0.25215	N
2	IC 410-278565/5	0.5	0.108069	5.0	424450.0	0.216139	Y
3	IC 410-278565/9	2.5	0.570535	5.0	418914.0	0.228214	Y
4	IC 410-278565/8	7.5	1.568425	5.0	468811.0	0.209123	Y
5	IC 410-278565/7	15.0	3.796843	5.0	431490.0	0.253123	Y
6	ICIS 410-278565/2	25.0	6.389593	5.0	405500.0	0.255584	Y
7	IC 410-278565/6	40.0	10.713481	5.0	361467.0	0.267837	Y
8	IC 410-278565/3	60.0	16.096895	5.0	408845.0	0.268282	Y



Calibration / Sulfotepp

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

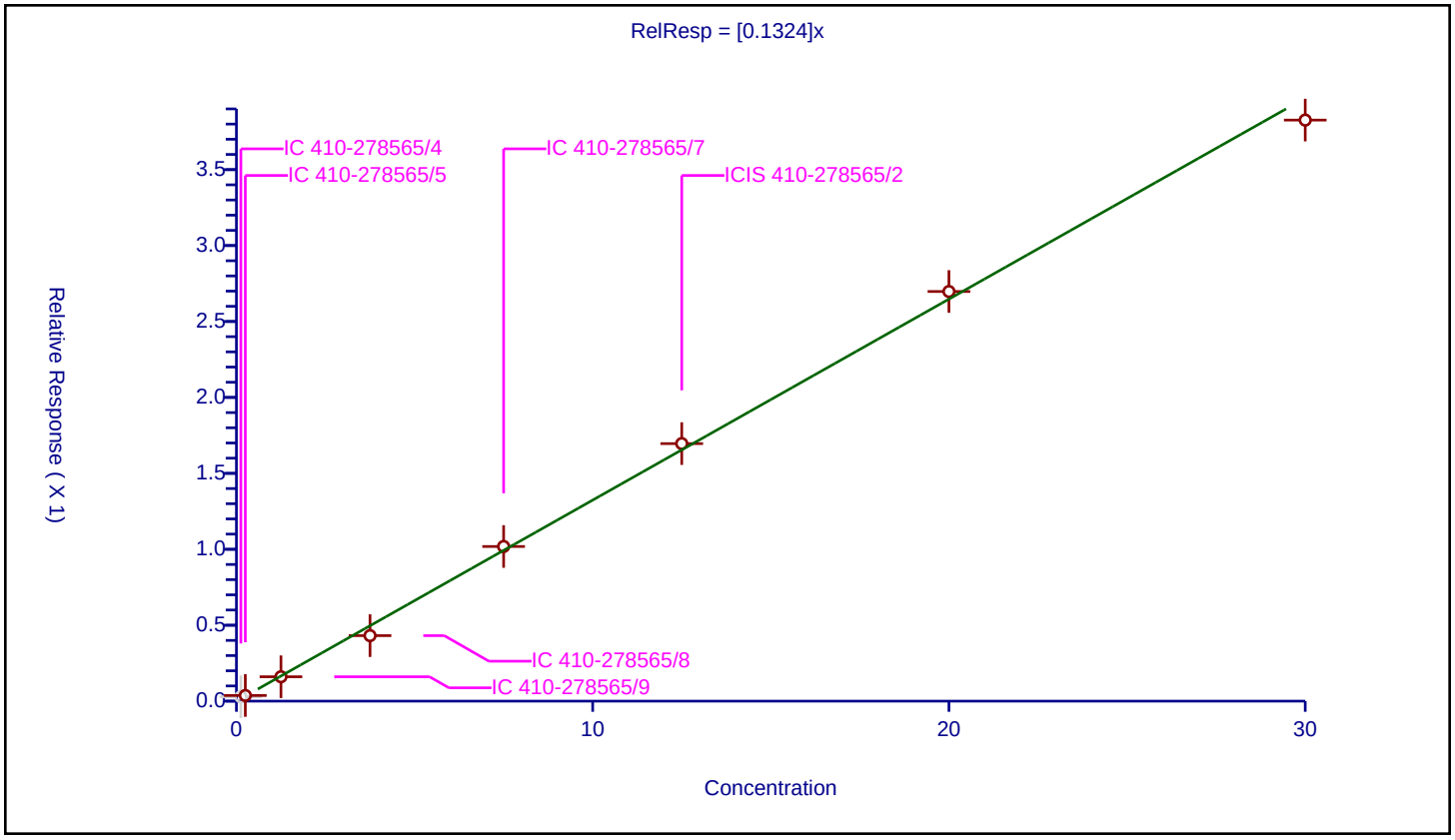
Curve Coefficients

Intercept:	0
Slope:	0.1324

Error Coefficients

Standard Error:	351000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.028778	5.0	866647.0	0.230221	N
2	IC 410-278565/5	0.25	0.037306	5.0	876941.0	0.149223	Y
3	IC 410-278565/9	1.25	0.160604	5.0	902593.0	0.128483	Y
4	IC 410-278565/8	3.75	0.43136	5.0	977246.0	0.115029	Y
5	IC 410-278565/7	7.5	1.018417	5.0	904958.0	0.135789	Y
6	ICIS 410-278565/2	12.5	1.695942	5.0	827272.0	0.135675	Y
7	IC 410-278565/6	20.0	2.6975	5.0	769837.0	0.134875	Y
8	IC 410-278565/3	30.0	3.826321	5.0	871925.0	0.127544	Y



Calibration / 1,3,5-Trinitrobenzene

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

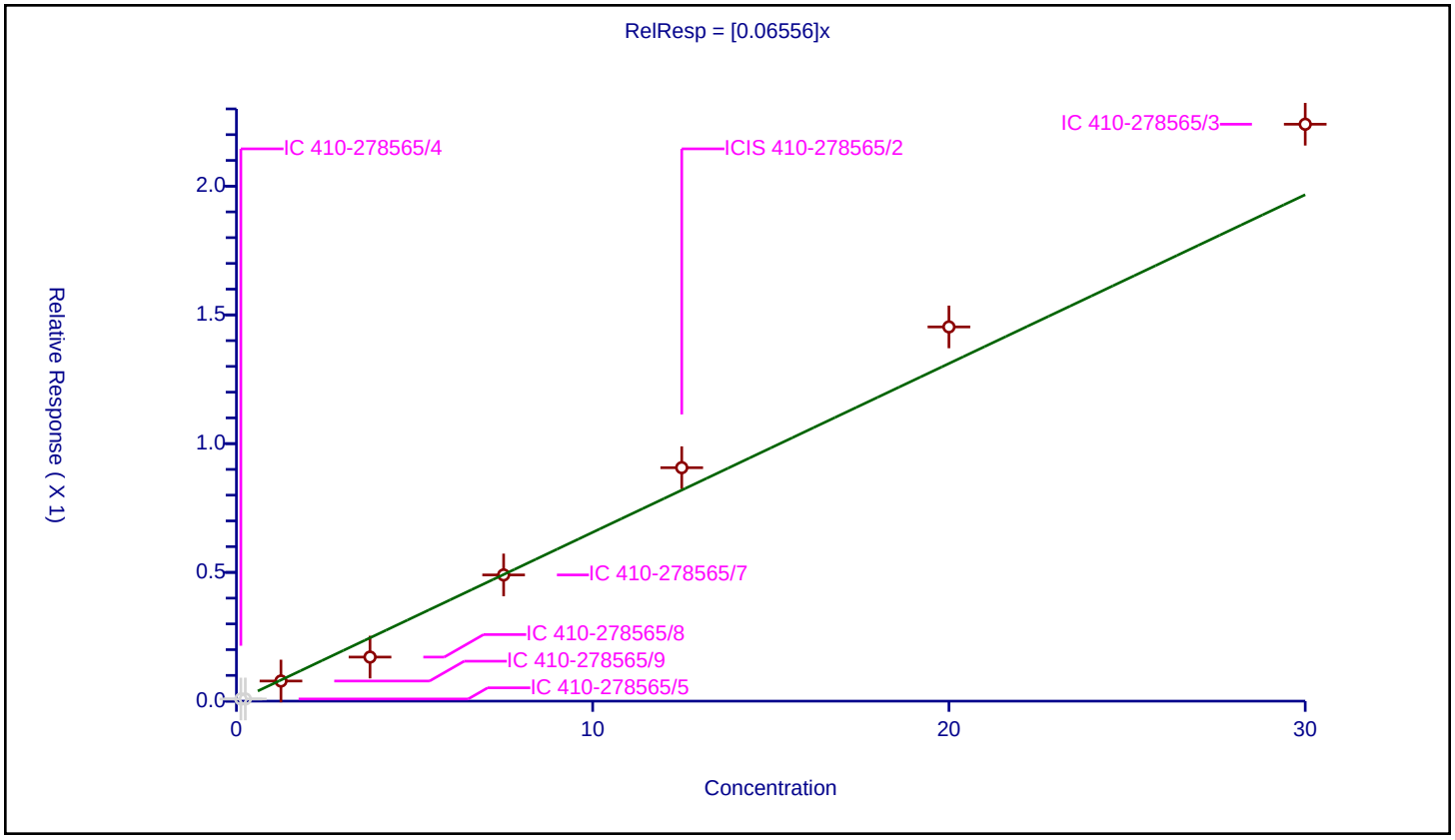
Curve Coefficients

Intercept:	0
Slope:	0.06556

Error Coefficients

Standard Error:	217000
Relative Standard Error:	16.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.008314	5.0	866647.0	0.066509	N
2	IC 410-278565/5	0.25	0.008478	5.0	876941.0	0.033913	N
3	IC 410-278565/9	1.25	0.078103	5.0	902593.0	0.062482	Y
4	IC 410-278565/8	3.75	0.17117	5.0	977246.0	0.045645	Y
5	IC 410-278565/7	7.5	0.490128	5.0	904958.0	0.06535	Y
6	ICIS 410-278565/2	12.5	0.906691	5.0	827272.0	0.072535	Y
7	IC 410-278565/6	20.0	1.453295	5.0	769837.0	0.072665	Y
8	IC 410-278565/3	30.0	2.240376	5.0	871925.0	0.074679	Y



Calibration / Phenacetin

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

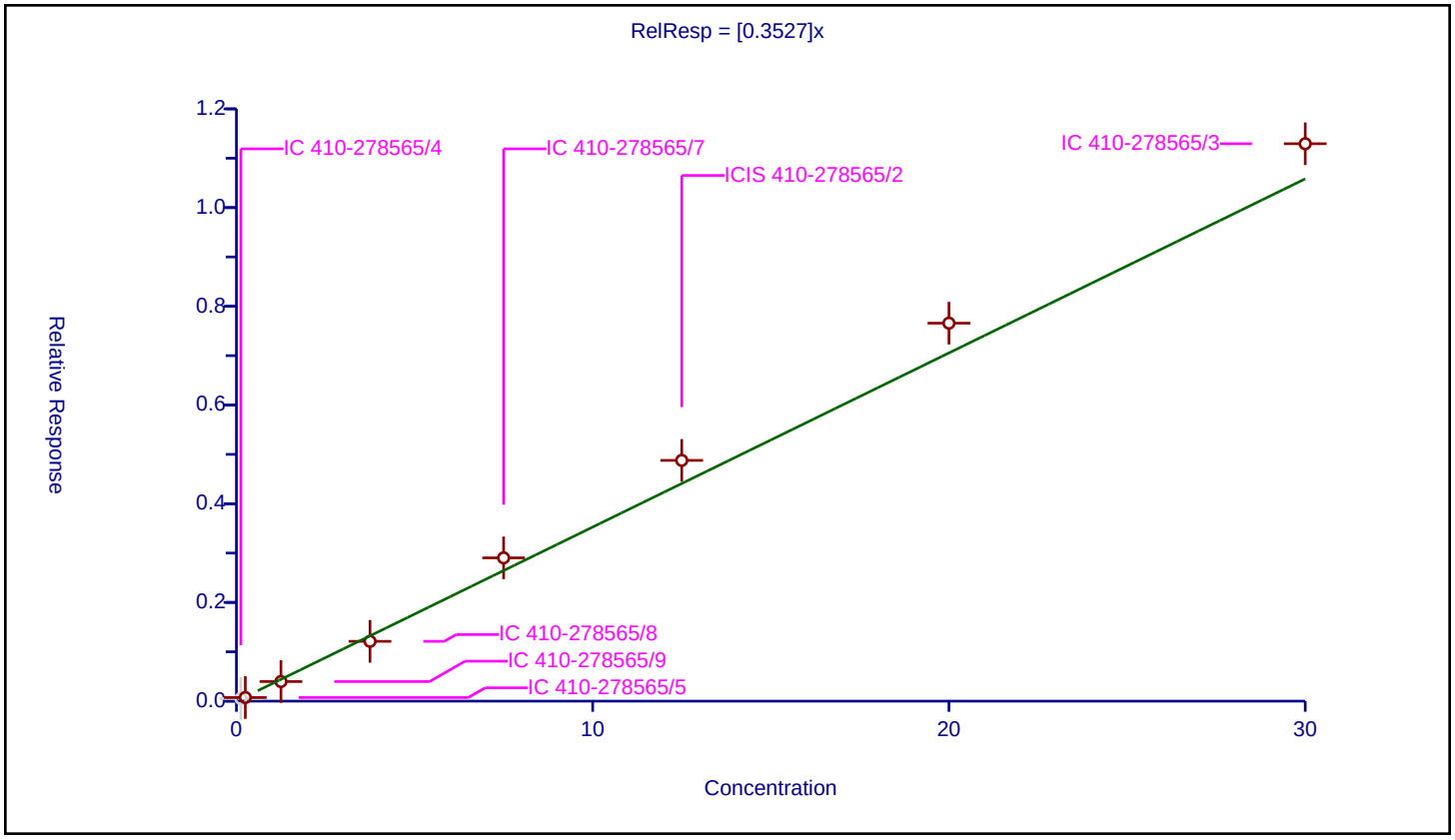
Curve Coefficients

Intercept:	0
Slope:	0.3527

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	11.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.053799	5.0	866647.0	0.430394	N
2	IC 410-278565/5	0.25	0.072941	5.0	876941.0	0.291764	Y
3	IC 410-278565/9	1.25	0.396918	5.0	902593.0	0.317534	Y
4	IC 410-278565/8	3.75	1.211675	5.0	977246.0	0.323113	Y
5	IC 410-278565/7	7.5	2.903212	5.0	904958.0	0.387095	Y
6	ICIS 410-278565/2	12.5	4.878329	5.0	827272.0	0.390266	Y
7	IC 410-278565/6	20.0	7.658335	5.0	769837.0	0.382917	Y
8	IC 410-278565/3	30.0	11.294337	5.0	871925.0	0.376478	Y



Calibration / cis-Diallate

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

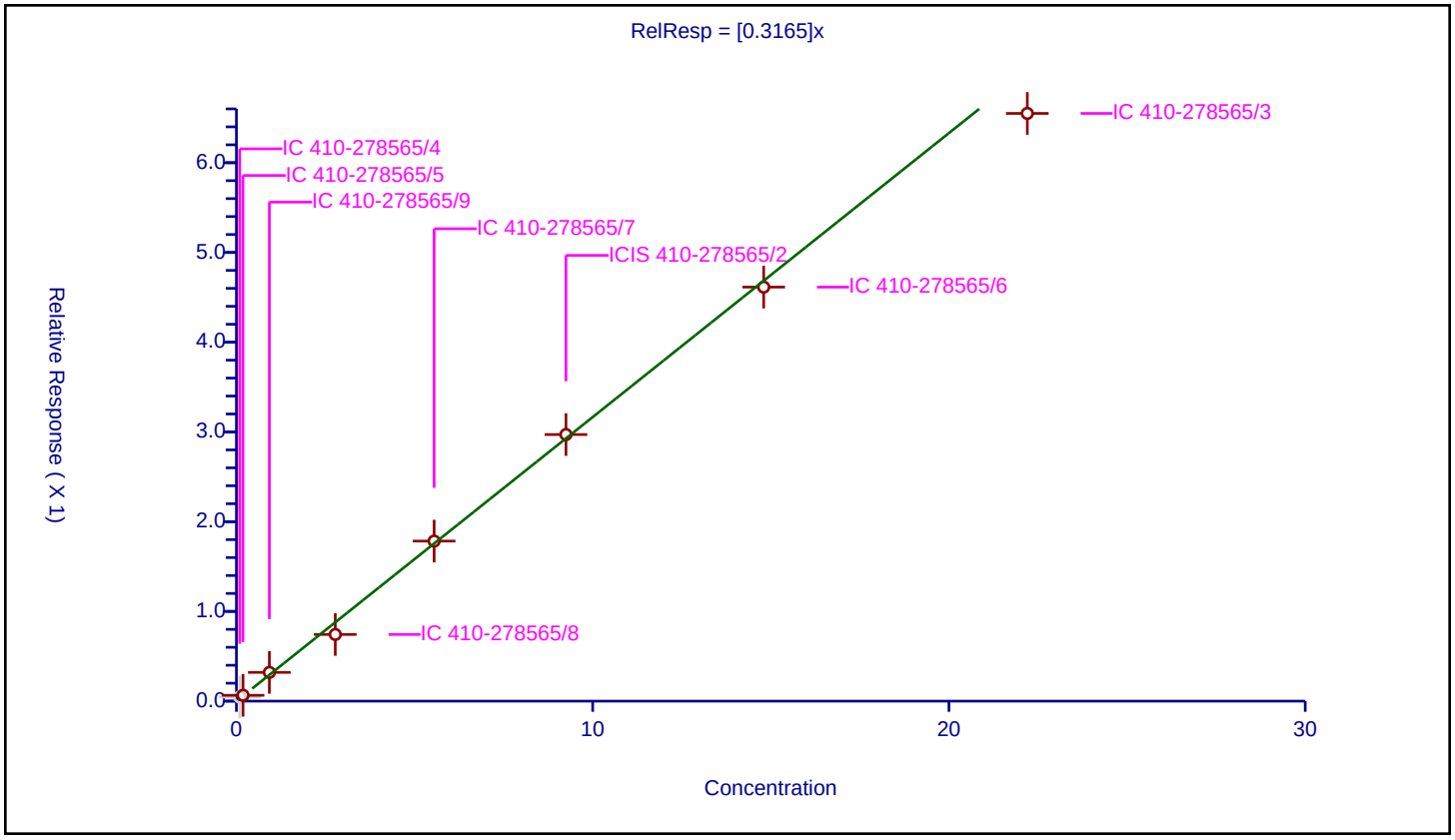
Curve Coefficients

Intercept:	0
Slope:	0.3165

Error Coefficients

Standard Error:	603000
Relative Standard Error:	9.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.0925	0.046143	5.0	866647.0	0.498847	N
2	IC 410-278565/5	0.185	0.065147	5.0	876941.0	0.352145	Y
3	IC 410-278565/9	0.925	0.320466	5.0	902593.0	0.346449	Y
4	IC 410-278565/8	2.775	0.74315	5.0	977246.0	0.267802	Y
5	IC 410-278565/7	5.55	1.783652	5.0	904958.0	0.321379	Y
6	ICIS 410-278565/2	9.25	2.970825	5.0	827272.0	0.32117	Y
7	IC 410-278565/6	14.8	4.613912	5.0	769837.0	0.311751	Y
8	IC 410-278565/3	22.2	6.549675	5.0	871925.0	0.29503	Y



Calibration / Phorate

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

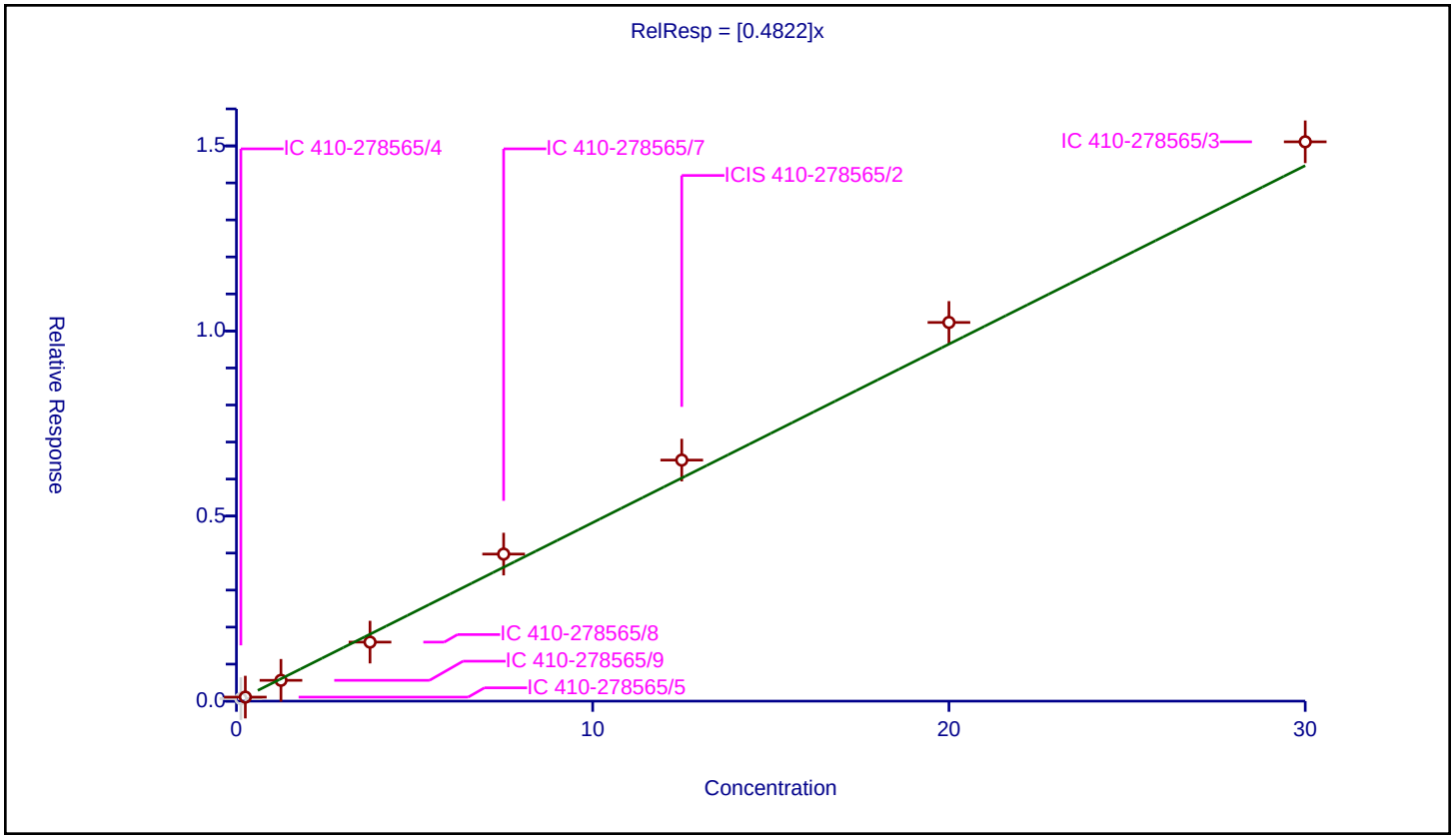
Curve Coefficients

Intercept:	0
Slope:	0.4822

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	9.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.068153	5.0	866647.0	0.545228	N
2	IC 410-278565/5	0.25	0.108719	5.0	876941.0	0.434875	Y
3	IC 410-278565/9	1.25	0.561964	5.0	902593.0	0.449571	Y
4	IC 410-278565/8	3.75	1.595085	5.0	977246.0	0.425356	Y
5	IC 410-278565/7	7.5	3.972781	5.0	904958.0	0.529704	Y
6	ICIS 410-278565/2	12.5	6.511879	5.0	827272.0	0.52095	Y
7	IC 410-278565/6	20.0	10.230607	5.0	769837.0	0.51153	Y
8	IC 410-278565/3	30.0	15.110434	5.0	871925.0	0.503681	Y



Calibration / 4-Bromophenyl phenyl ether

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

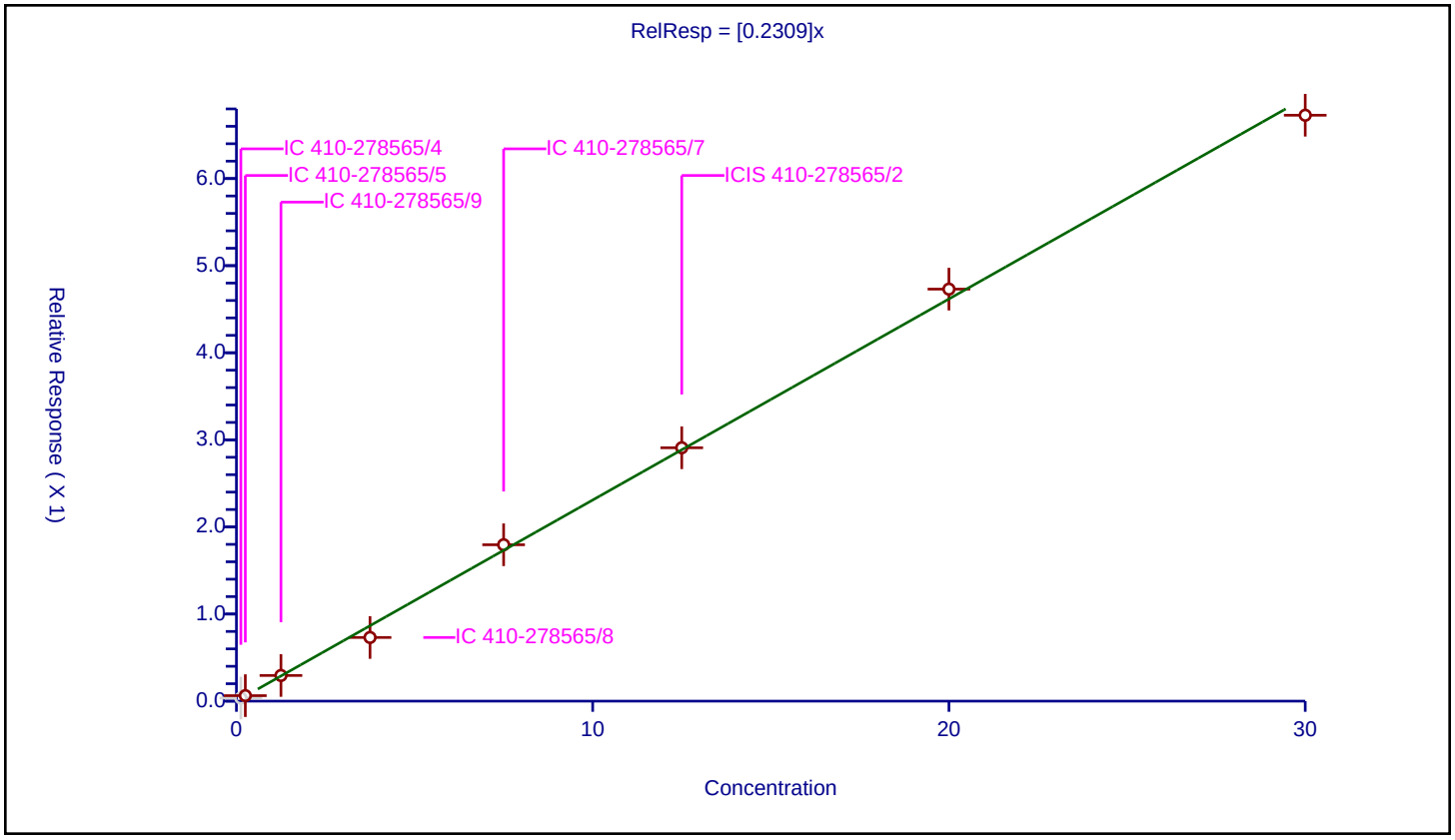
Curve Coefficients

Intercept:	0
Slope:	0.2309

Error Coefficients

Standard Error:	615000
Relative Standard Error:	7.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.035989	5.0	866647.0	0.287914	N
2	IC 410-278565/5	0.25	0.063168	5.0	876941.0	0.252674	Y
3	IC 410-278565/9	1.25	0.294557	5.0	902593.0	0.235646	Y
4	IC 410-278565/8	3.75	0.731116	5.0	977246.0	0.194964	Y
5	IC 410-278565/7	7.5	1.795614	5.0	904958.0	0.239415	Y
6	ICIS 410-278565/2	12.5	2.909285	5.0	827272.0	0.232743	Y
7	IC 410-278565/6	20.0	4.730482	5.0	769837.0	0.236524	Y
8	IC 410-278565/3	30.0	6.727259	5.0	871925.0	0.224242	Y



Calibration / trans-Diallate

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

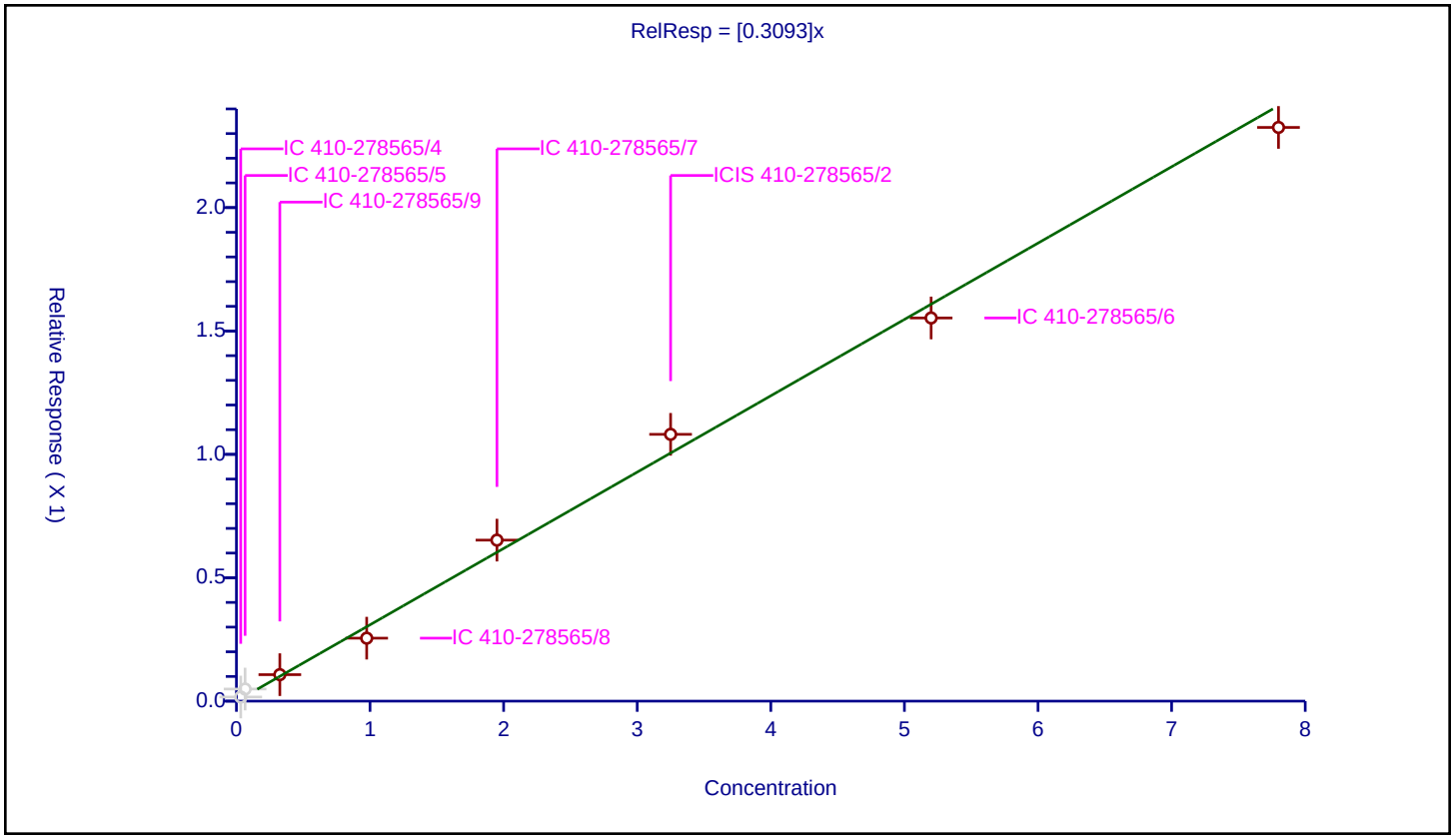
Curve Coefficients

Intercept:	0
Slope:	0.3093

Error Coefficients

Standard Error:	233000
Relative Standard Error:	9.3
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.0325	0.016645	5.0	866647.0	0.512142	N
2	IC 410-278565/5	0.065	0.049006	5.0	876941.0	0.753932	N
3	IC 410-278565/9	0.325	0.107374	5.0	902593.0	0.330381	Y
4	IC 410-278565/8	0.975	0.255197	5.0	977246.0	0.26174	Y
5	IC 410-278565/7	1.95	0.652494	5.0	904958.0	0.334612	Y
6	ICIS 410-278565/2	3.25	1.08118	5.0	827272.0	0.332671	Y
7	IC 410-278565/6	5.2	1.552764	5.0	769837.0	0.298608	Y
8	IC 410-278565/3	7.8	2.324839	5.0	871925.0	0.298056	Y



Calibration / Hexachlorobenzene

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

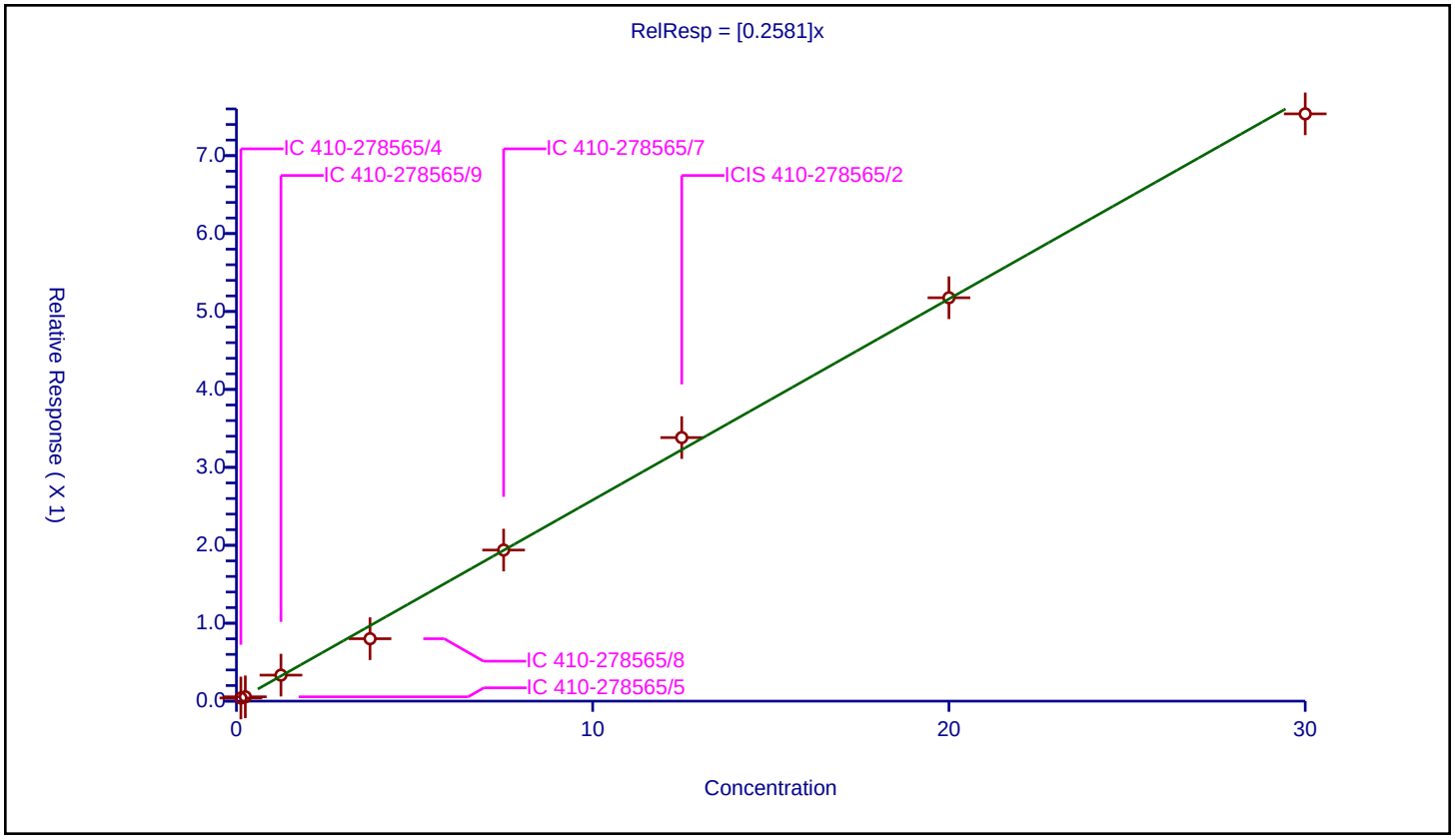
Curve Coefficients

Intercept:	0
Slope:	0.2581

Error Coefficients

Standard Error:	635000
Relative Standard Error:	13.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.040426	5.0	866647.0	0.323407	Y
2	IC 410-278565/5	0.25	0.05542	5.0	876941.0	0.22168	Y
3	IC 410-278565/9	1.25	0.3336	5.0	902593.0	0.26688	Y
4	IC 410-278565/8	3.75	0.800827	5.0	977246.0	0.213554	Y
5	IC 410-278565/7	7.5	1.938609	5.0	904958.0	0.258481	Y
6	ICIS 410-278565/2	12.5	3.381923	5.0	827272.0	0.270554	Y
7	IC 410-278565/6	20.0	5.176505	5.0	769837.0	0.258825	Y
8	IC 410-278565/3	30.0	7.536382	5.0	871925.0	0.251213	Y



Calibration / Dimethoate

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

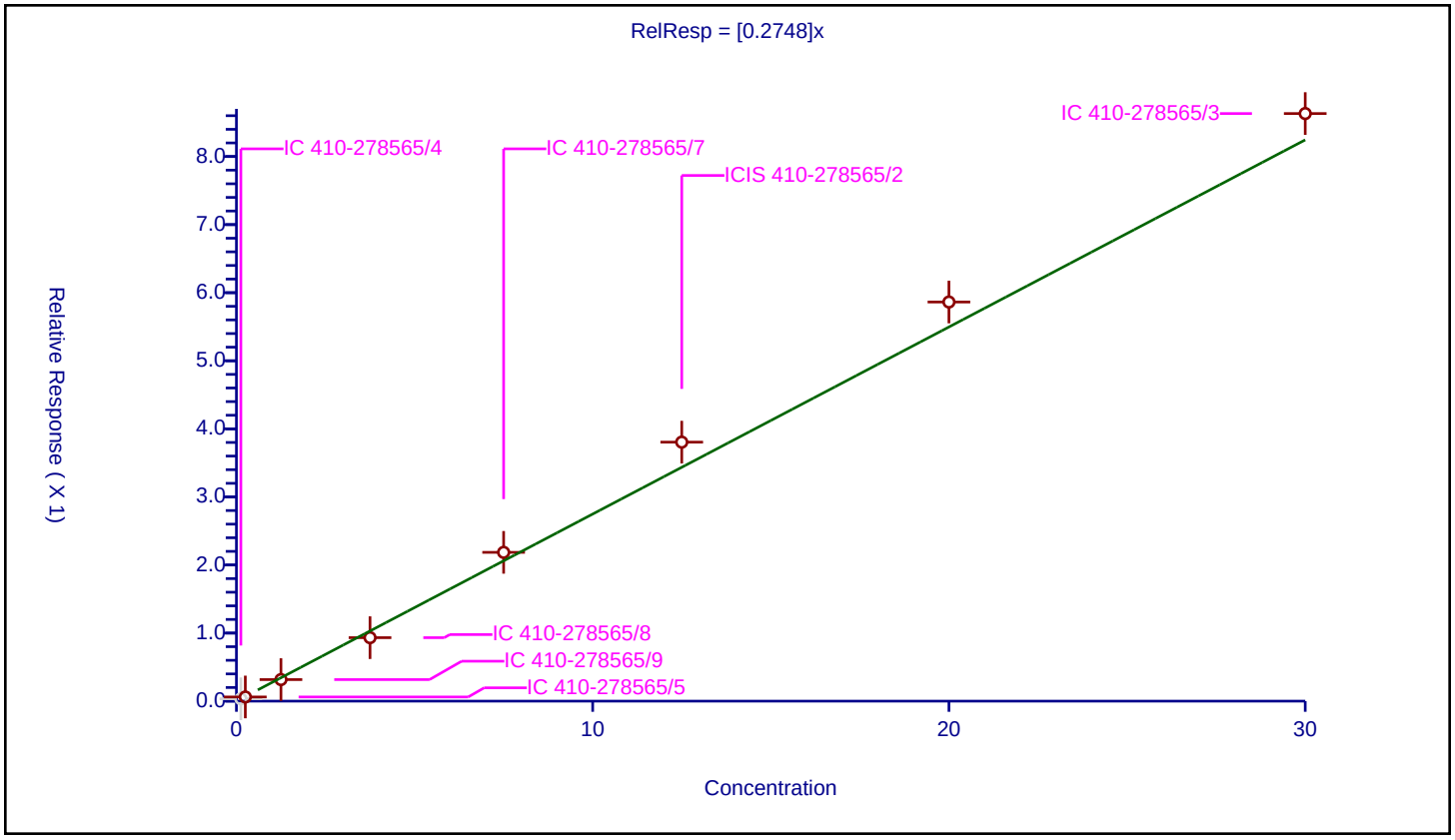
Curve Coefficients

Intercept:	0
Slope:	0.2748

Error Coefficients

Standard Error:	782000
Relative Standard Error:	9.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.034616	5.0	866647.0	0.276929	N
2	IC 410-278565/5	0.25	0.061298	5.0	876941.0	0.245193	Y
3	IC 410-278565/9	1.25	0.316532	5.0	902593.0	0.253226	Y
4	IC 410-278565/8	3.75	0.932421	5.0	977246.0	0.248646	Y
5	IC 410-278565/7	7.5	2.185615	5.0	904958.0	0.291415	Y
6	ICIS 410-278565/2	12.5	3.804885	5.0	827272.0	0.304391	Y
7	IC 410-278565/6	20.0	5.863157	5.0	769837.0	0.293158	Y
8	IC 410-278565/3	30.0	8.631356	5.0	871925.0	0.287712	Y



Calibration / Atrazine

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

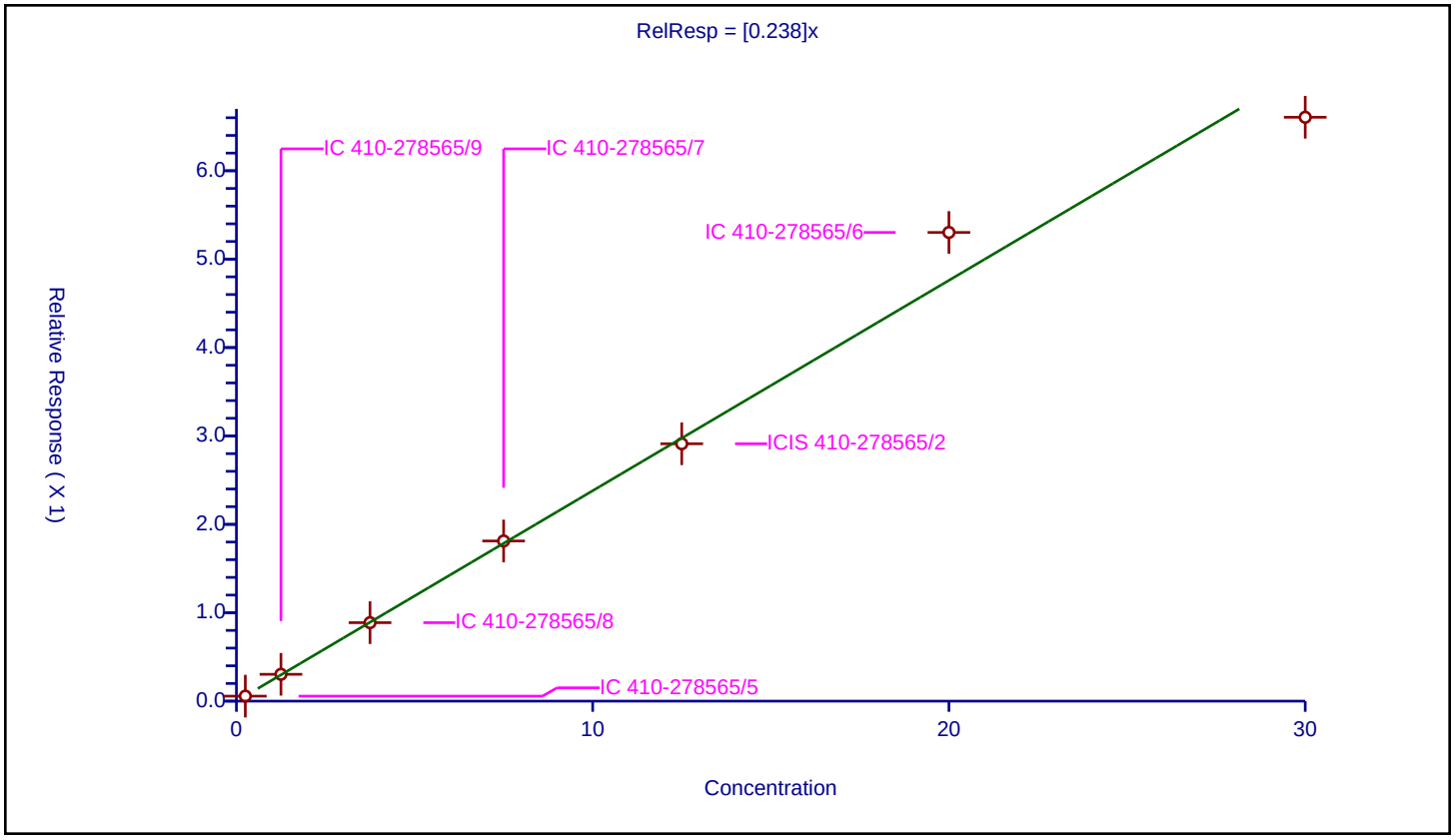
Curve Coefficients

Intercept:	0
Slope:	0.238

Error Coefficients

Standard Error:	628000
Relative Standard Error:	6.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/5	0.25	0.056634	5.0	876941.0	0.226537	Y
2	IC 410-278565/9	1.25	0.303692	5.0	902593.0	0.242953	Y
3	IC 410-278565/8	3.75	0.887816	5.0	977246.0	0.236751	Y
4	IC 410-278565/7	7.5	1.811963	5.0	904958.0	0.241595	Y
5	ICIS 410-278565/2	12.5	2.911545	5.0	827272.0	0.232924	Y
6	IC 410-278565/6	20.0	5.302304	5.0	769837.0	0.265115	Y
7	IC 410-278565/3	30.0	6.605517	5.0	871925.0	0.220184	Y



Calibration / Pentachlorophenol

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

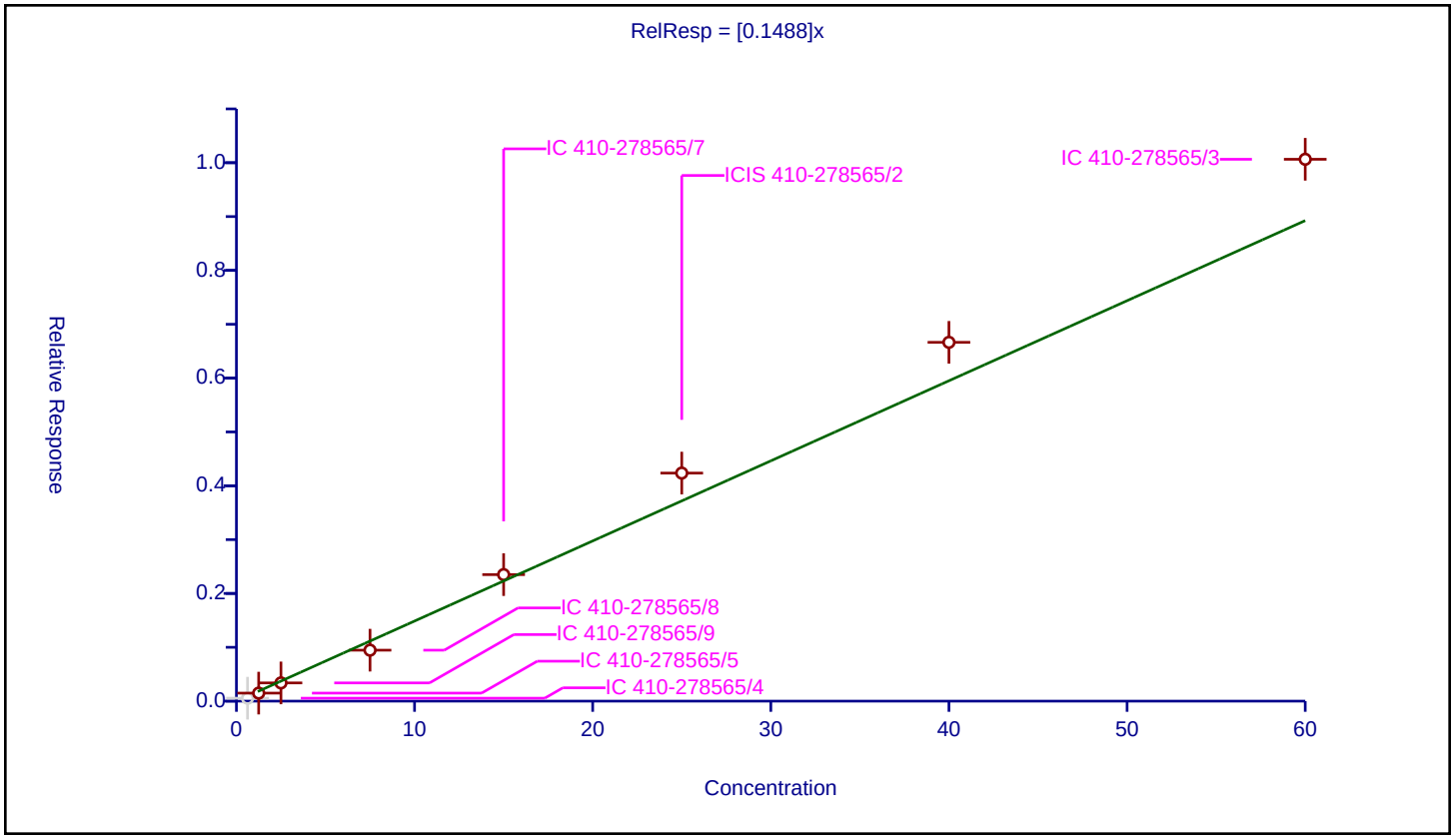
Curve Coefficients

Intercept:	0
Slope:	0.1488

Error Coefficients

Standard Error:	898000
Relative Standard Error:	14.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.625	0.054878	5.0	866647.0	0.087805	N
2	IC 410-278565/5	1.25	0.149058	5.0	876941.0	0.119246	Y
3	IC 410-278565/9	2.5	0.338508	5.0	902593.0	0.135403	Y
4	IC 410-278565/8	7.5	0.946722	5.0	977246.0	0.12623	Y
5	IC 410-278565/7	15.0	2.3498	5.0	904958.0	0.156653	Y
6	ICIS 410-278565/2	25.0	4.235771	5.0	827272.0	0.169431	Y
7	IC 410-278565/6	40.0	6.663976	5.0	769837.0	0.166599	Y
8	IC 410-278565/3	60.0	10.063916	5.0	871925.0	0.167732	Y



Calibration / Pentachloronitrobenzene

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

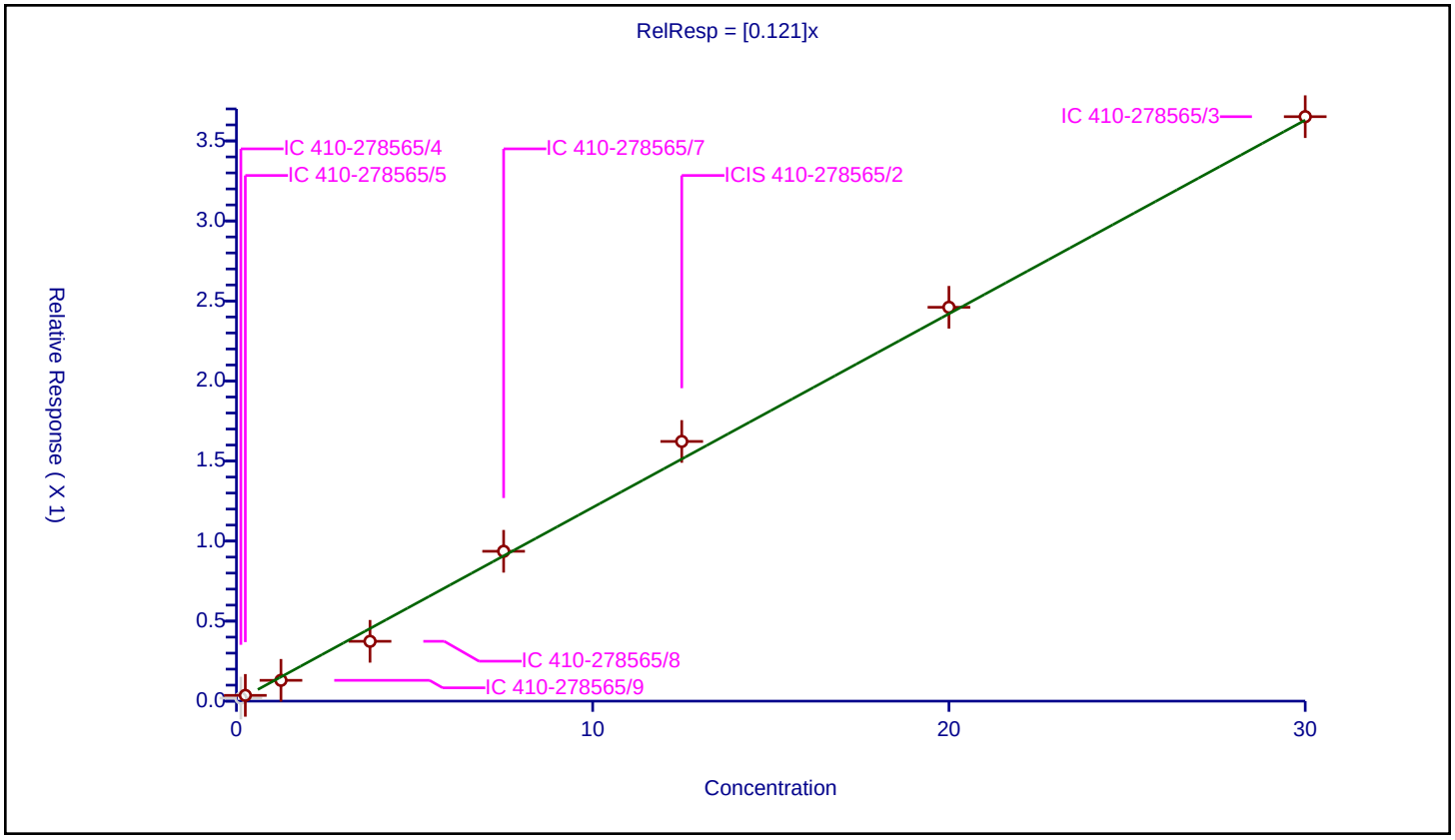
Curve Coefficients

Intercept:	0
Slope:	0.121

Error Coefficients

Standard Error:	331000
Relative Standard Error:	12.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.019293	5.0	866647.0	0.154342	N
2	IC 410-278565/5	0.25	0.035972	5.0	876941.0	0.143887	Y
3	IC 410-278565/9	1.25	0.130092	5.0	902593.0	0.104073	Y
4	IC 410-278565/8	3.75	0.373785	5.0	977246.0	0.099676	Y
5	IC 410-278565/7	7.5	0.936148	5.0	904958.0	0.12482	Y
6	ICIS 410-278565/2	12.5	1.622393	5.0	827272.0	0.129791	Y
7	IC 410-278565/6	20.0	2.46069	5.0	769837.0	0.123034	Y
8	IC 410-278565/3	30.0	3.65149	5.0	871925.0	0.121716	Y



Calibration / 4-Aminobiphenyl

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

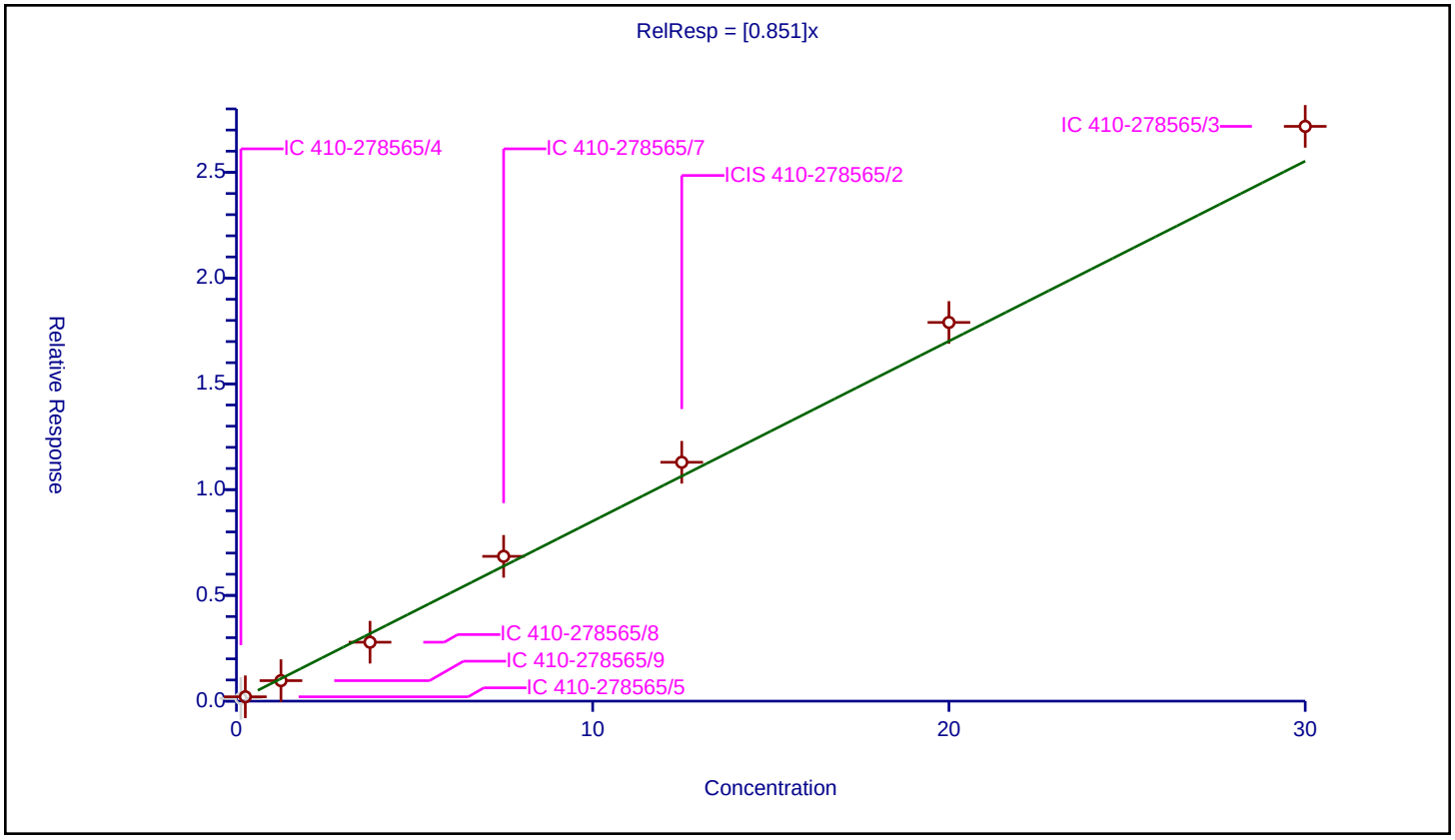
Curve Coefficients

Intercept:	0
Slope:	0.851

Error Coefficients

Standard Error:	2430000
Relative Standard Error:	8.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.130641	5.0	866647.0	1.045131	N
2	IC 410-278565/5	0.25	0.205573	5.0	876941.0	0.82229	Y
3	IC 410-278565/9	1.25	0.968493	5.0	902593.0	0.774794	Y
4	IC 410-278565/8	3.75	2.786207	5.0	977246.0	0.742989	Y
5	IC 410-278565/7	7.5	6.844986	5.0	904958.0	0.912665	Y
6	ICIS 410-278565/2	12.5	11.29261	5.0	827272.0	0.903409	Y
7	IC 410-278565/6	20.0	17.903784	5.0	769837.0	0.895189	Y
8	IC 410-278565/3	30.0	27.173782	5.0	871925.0	0.905793	Y



Calibration / Pronamide

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

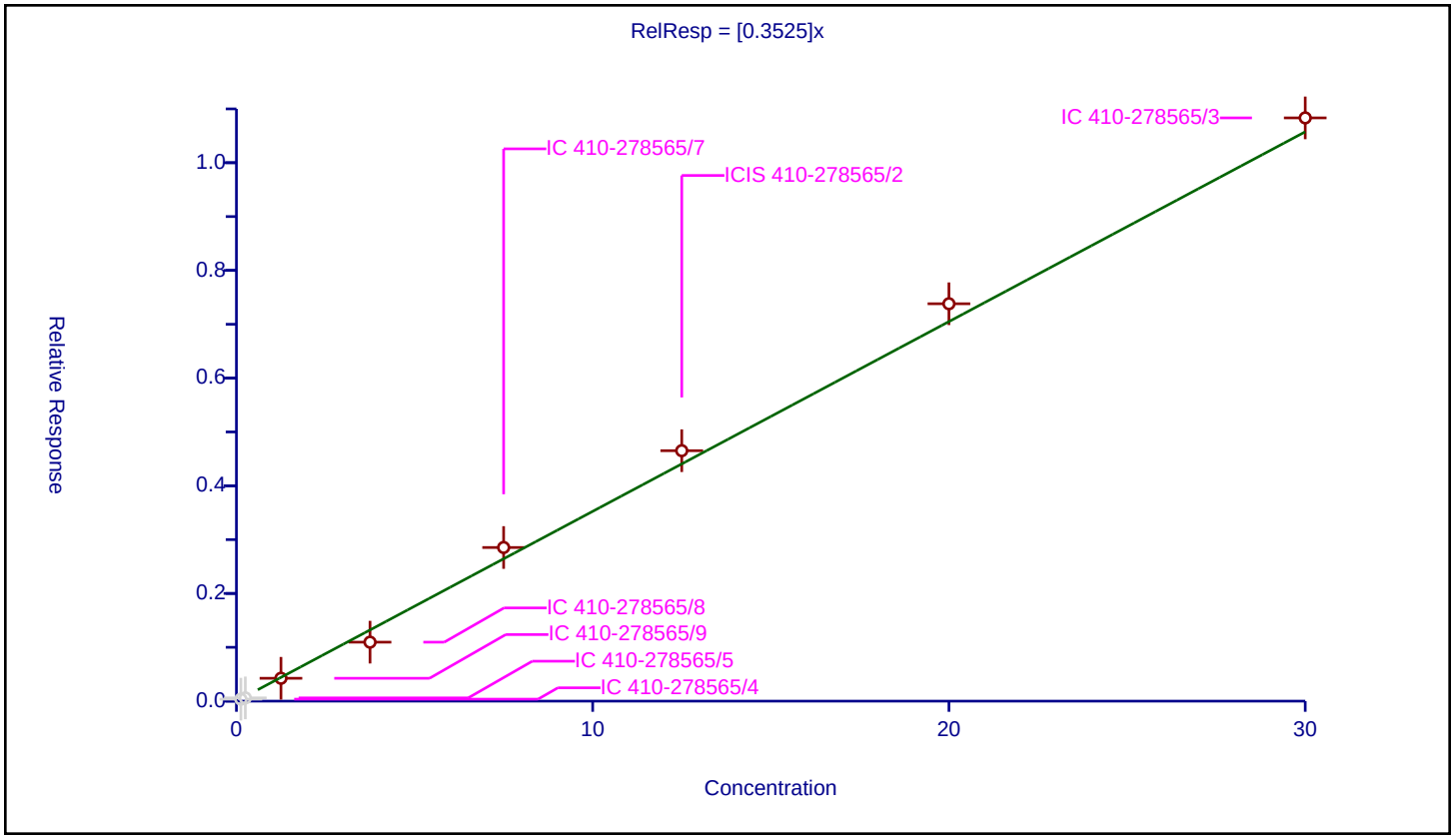
Curve Coefficients

Intercept:	0
Slope:	0.3525

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	9.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.036757	5.0	866647.0	0.294053	N
2	IC 410-278565/5	0.25	0.060015	5.0	876941.0	0.240062	N
3	IC 410-278565/9	1.25	0.424909	5.0	902593.0	0.339927	Y
4	IC 410-278565/8	3.75	1.09563	5.0	977246.0	0.292168	Y
5	IC 410-278565/7	7.5	2.853768	5.0	904958.0	0.380502	Y
6	ICIS 410-278565/2	12.5	4.651547	5.0	827272.0	0.372124	Y
7	IC 410-278565/6	20.0	7.380712	5.0	769837.0	0.369036	Y
8	IC 410-278565/3	30.0	10.83291	5.0	871925.0	0.361097	Y



Calibration / Dinoseb

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

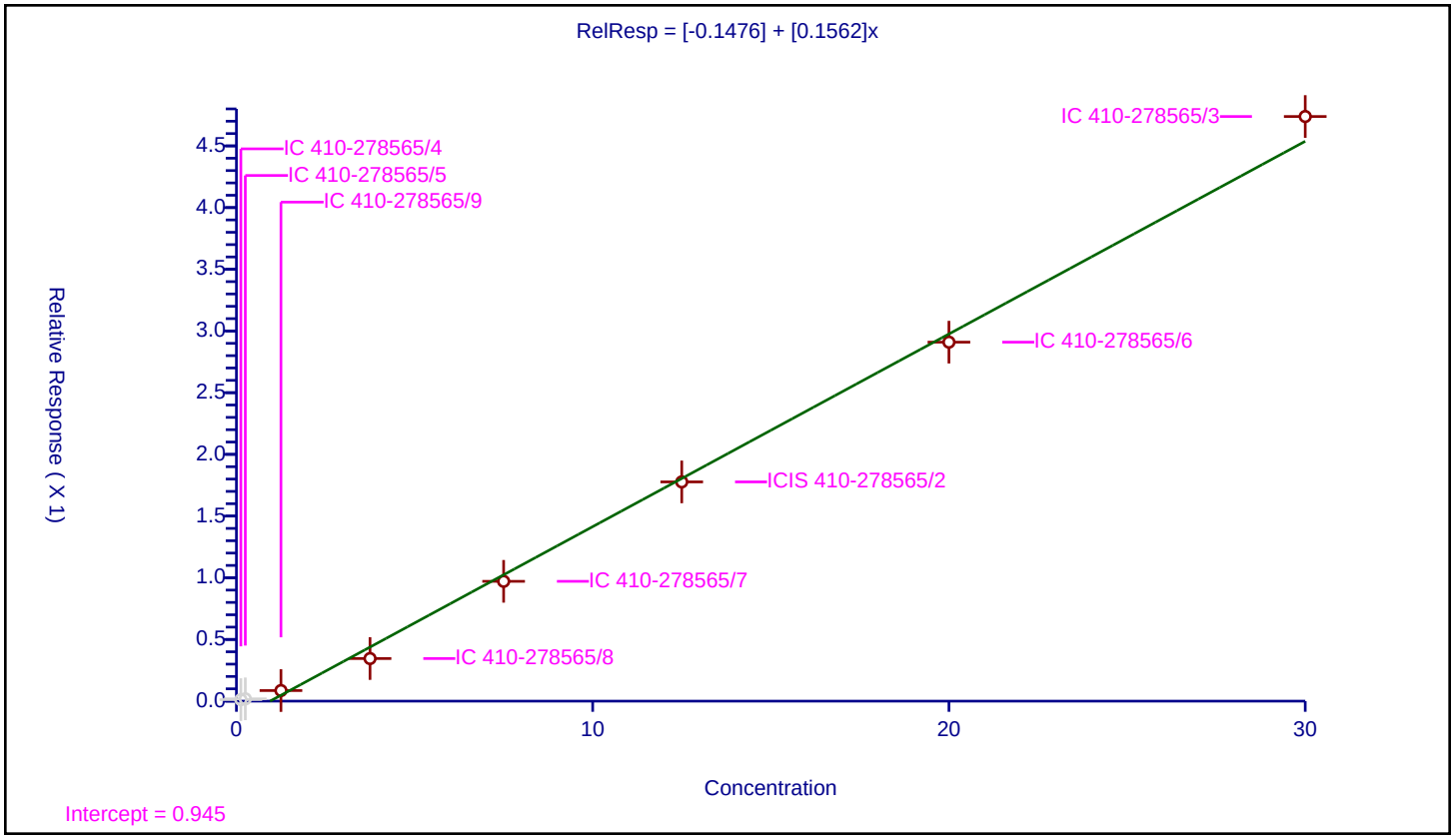
Curve Coefficients

Intercept:	-0.1476
Slope:	0.1562

Error Coefficients

Standard Error:	501000
Relative Standard Error:	13.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.012456	5.0	866647.0	0.099648	N
2	IC 410-278565/5	0.25	0.018753	5.0	876941.0	0.075011	N
3	IC 410-278565/9	1.25	0.085764	5.0	902593.0	0.068611	Y
4	IC 410-278565/8	3.75	0.345343	5.0	977246.0	0.092091	Y
5	IC 410-278565/7	7.5	0.971062	5.0	904958.0	0.129475	Y
6	ICIS 410-278565/2	12.5	1.776919	5.0	827272.0	0.142153	Y
7	IC 410-278565/6	20.0	2.909467	5.0	769837.0	0.145473	Y
8	IC 410-278565/3	30.0	4.738366	5.0	871925.0	0.157946	Y



Calibration / Disulfoton

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

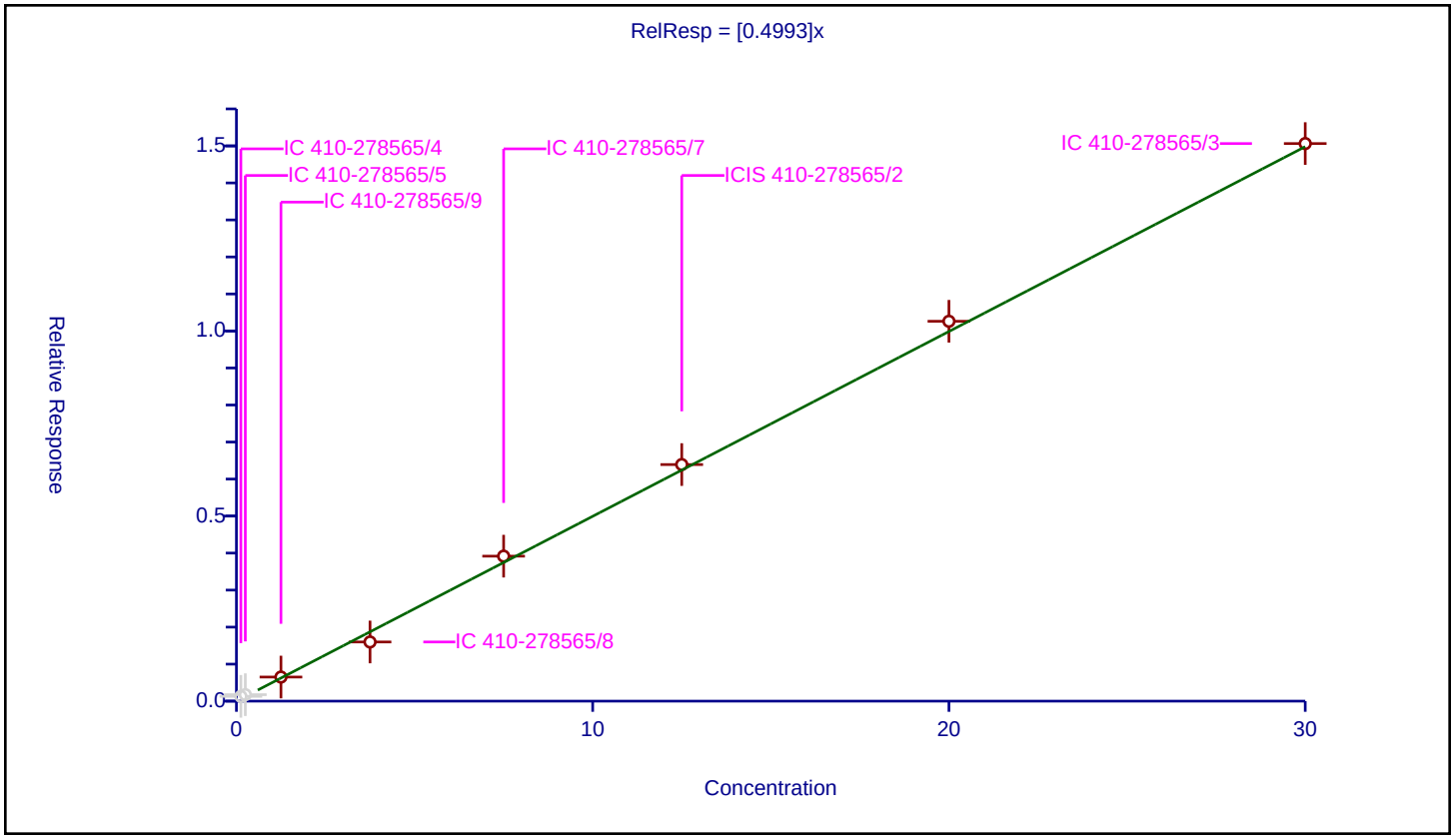
Curve Coefficients

Intercept:	0
Slope:	0.4993

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	7.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.129268	5.0	866647.0	1.034147	N
2	IC 410-278565/5	0.25	0.174835	5.0	876941.0	0.69934	N
3	IC 410-278565/9	1.25	0.650925	5.0	902593.0	0.52074	Y
4	IC 410-278565/8	3.75	1.598768	5.0	977246.0	0.426338	Y
5	IC 410-278565/7	7.5	3.917115	5.0	904958.0	0.522282	Y
6	ICIS 410-278565/2	12.5	6.39135	5.0	827272.0	0.511308	Y
7	IC 410-278565/6	20.0	10.262348	5.0	769837.0	0.513117	Y
8	IC 410-278565/3	30.0	15.063388	5.0	871925.0	0.502113	Y



Calibration / Phenanthrene

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

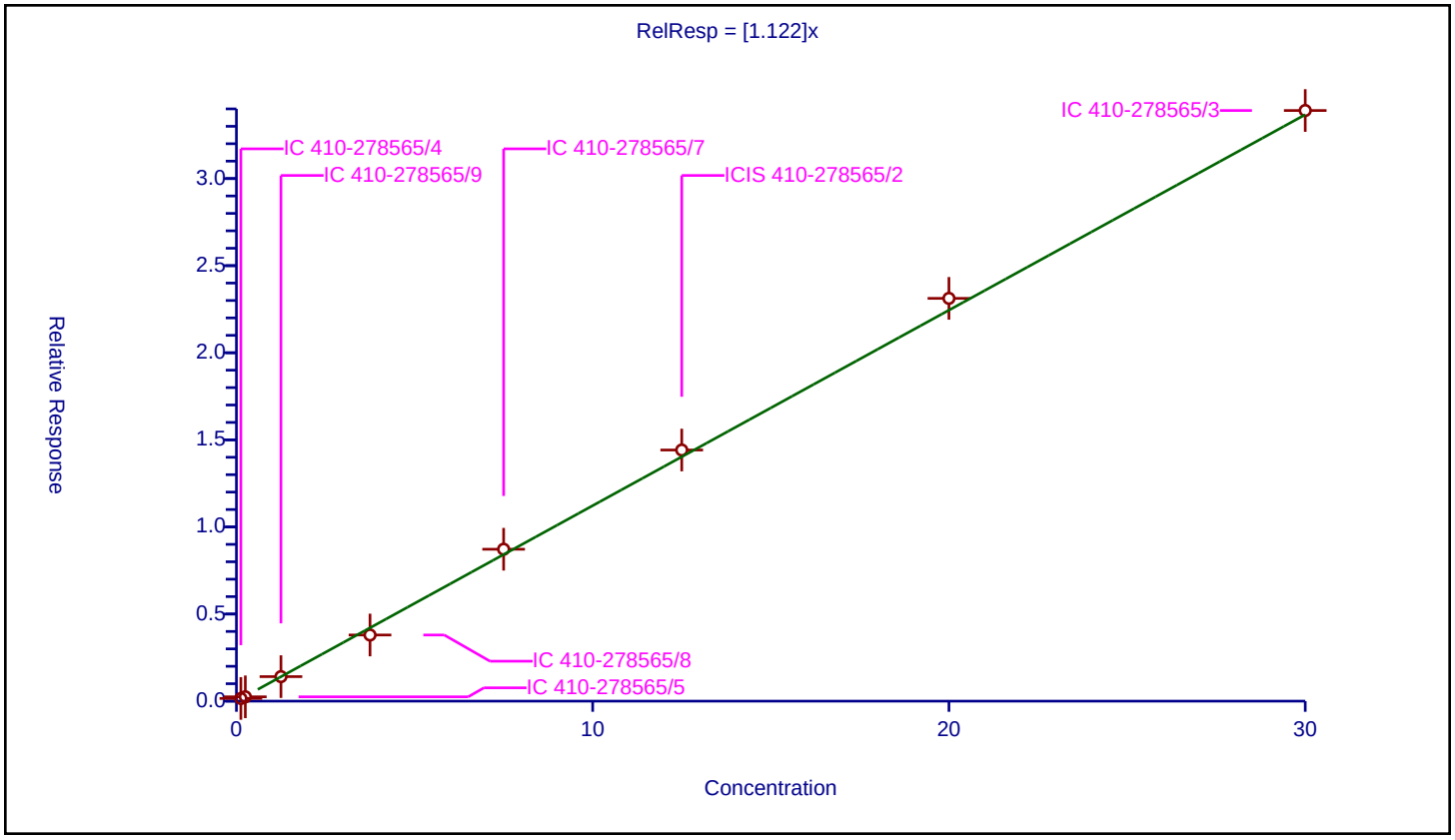
Curve Coefficients

Intercept:	0
Slope:	1.122

Error Coefficients

Standard Error:	2840000
Relative Standard Error:	7.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.155548	5.0	866647.0	1.244382	Y
2	IC 410-278565/5	0.25	0.248147	5.0	876941.0	0.992587	Y
3	IC 410-278565/9	1.25	1.408182	5.0	902593.0	1.126545	Y
4	IC 410-278565/8	3.75	3.796582	5.0	977246.0	1.012422	Y
5	IC 410-278565/7	7.5	8.720145	5.0	904958.0	1.162686	Y
6	ICIS 410-278565/2	12.5	14.415869	5.0	827272.0	1.15327	Y
7	IC 410-278565/6	20.0	23.122343	5.0	769837.0	1.156117	Y
8	IC 410-278565/3	30.0	33.9074	5.0	871925.0	1.130247	Y



Calibration / Anthracene

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

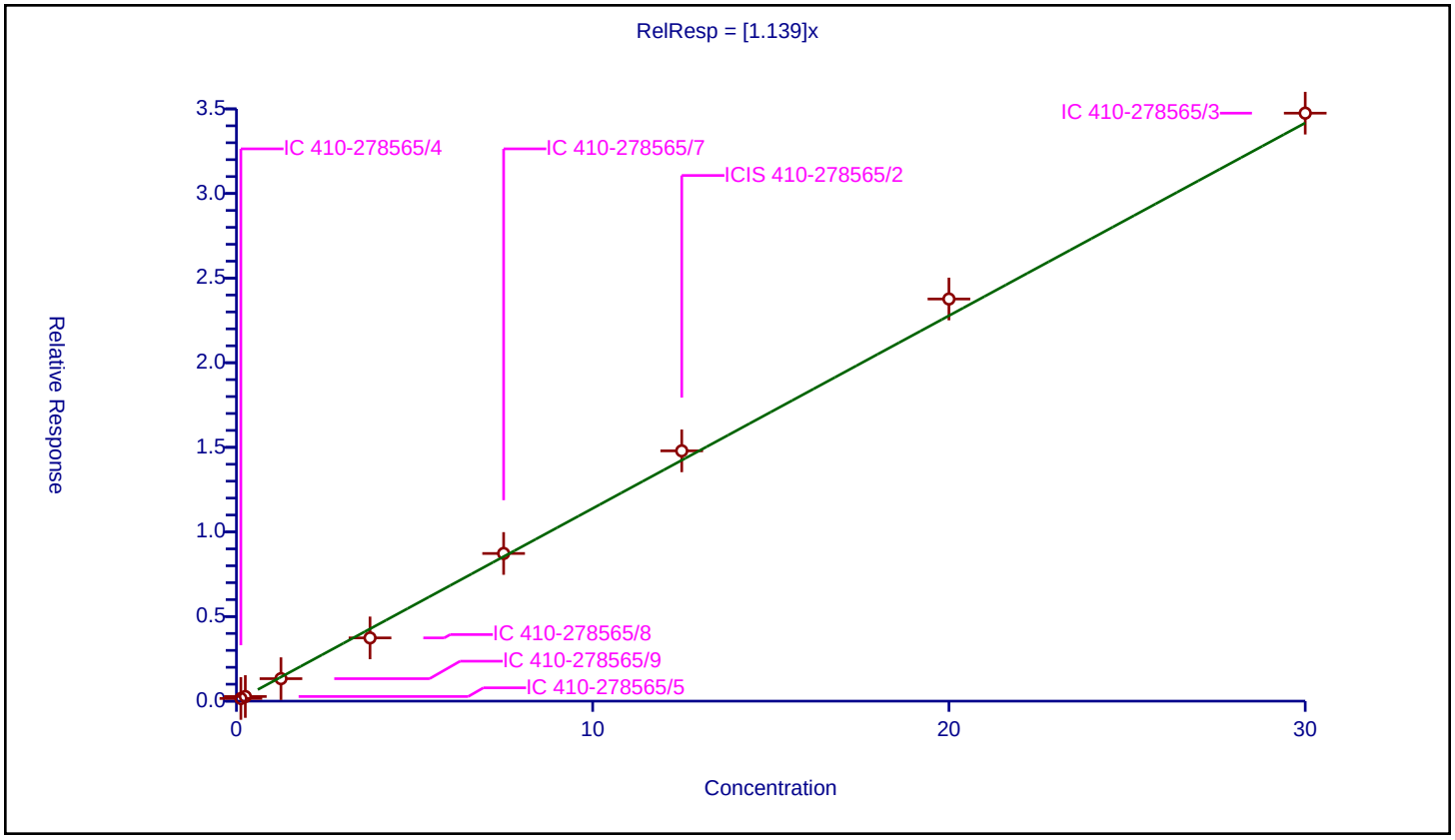
Curve Coefficients

Intercept:	0
Slope:	1.139

Error Coefficients

Standard Error:	2910000
Relative Standard Error:	7.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.158259	5.0	866647.0	1.266075	Y
2	IC 410-278565/5	0.25	0.273342	5.0	876941.0	1.093369	Y
3	IC 410-278565/9	1.25	1.327747	5.0	902593.0	1.062197	Y
4	IC 410-278565/8	3.75	3.737099	5.0	977246.0	0.99656	Y
5	IC 410-278565/7	7.5	8.727361	5.0	904958.0	1.163648	Y
6	ICIS 410-278565/2	12.5	14.79135	5.0	827272.0	1.183308	Y
7	IC 410-278565/6	20.0	23.764446	5.0	769837.0	1.188222	Y
8	IC 410-278565/3	30.0	34.74784	5.0	871925.0	1.158261	Y



Calibration / Carbazole

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

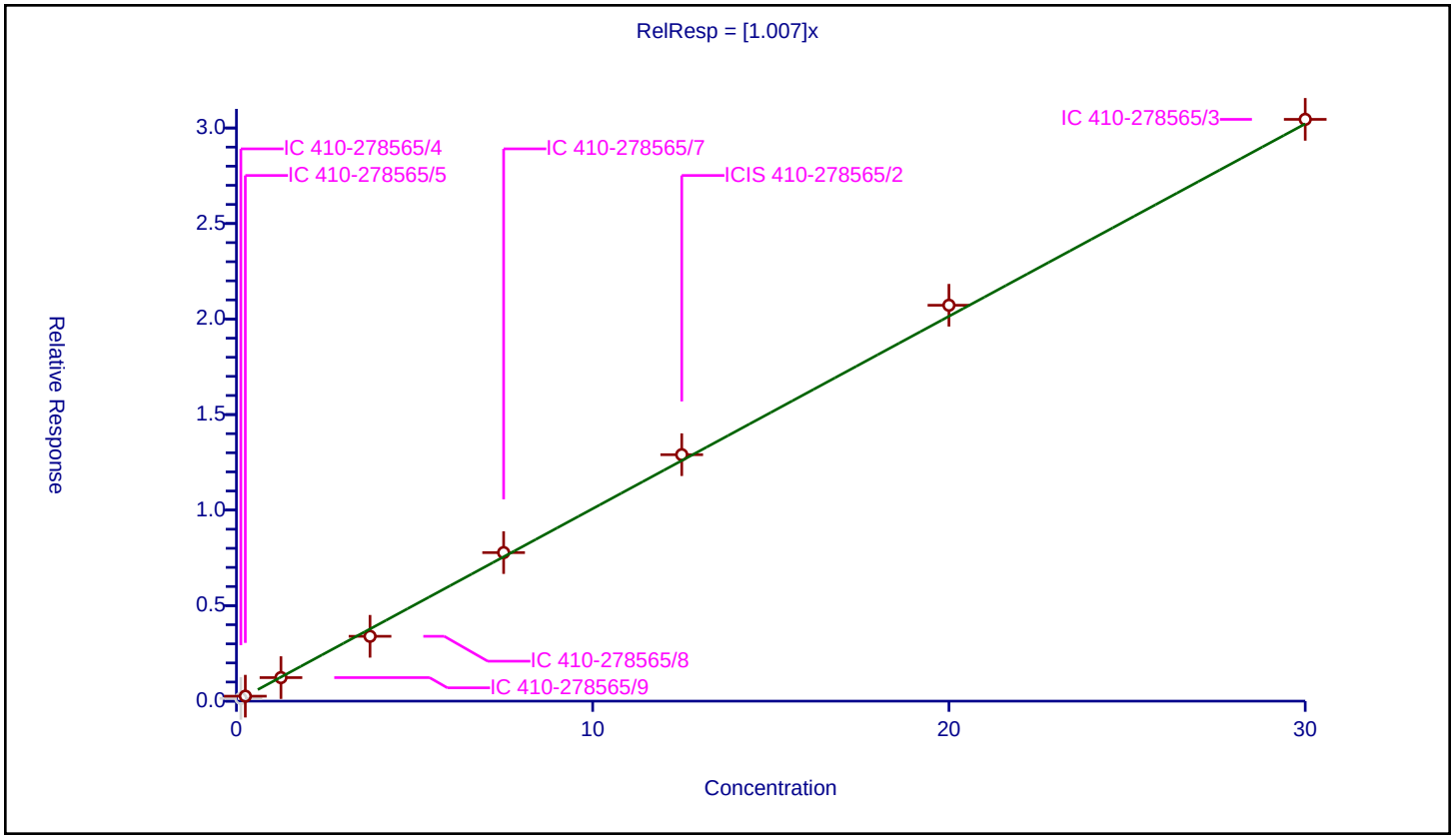
Curve Coefficients

Intercept:	0
Slope:	1.007

Error Coefficients

Standard Error:	2750000
Relative Standard Error:	4.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.143334	5.0	866647.0	1.146672	N
2	IC 410-278565/5	0.25	0.260097	5.0	876941.0	1.040389	Y
3	IC 410-278565/9	1.25	1.231668	5.0	902593.0	0.985334	Y
4	IC 410-278565/8	3.75	3.394473	5.0	977246.0	0.905193	Y
5	IC 410-278565/7	7.5	7.774974	5.0	904958.0	1.036663	Y
6	ICIS 410-278565/2	12.5	12.900745	5.0	827272.0	1.03206	Y
7	IC 410-278565/6	20.0	20.72199	5.0	769837.0	1.0361	Y
8	IC 410-278565/3	30.0	30.451897	5.0	871925.0	1.015063	Y



Calibration / Methyl parathion

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

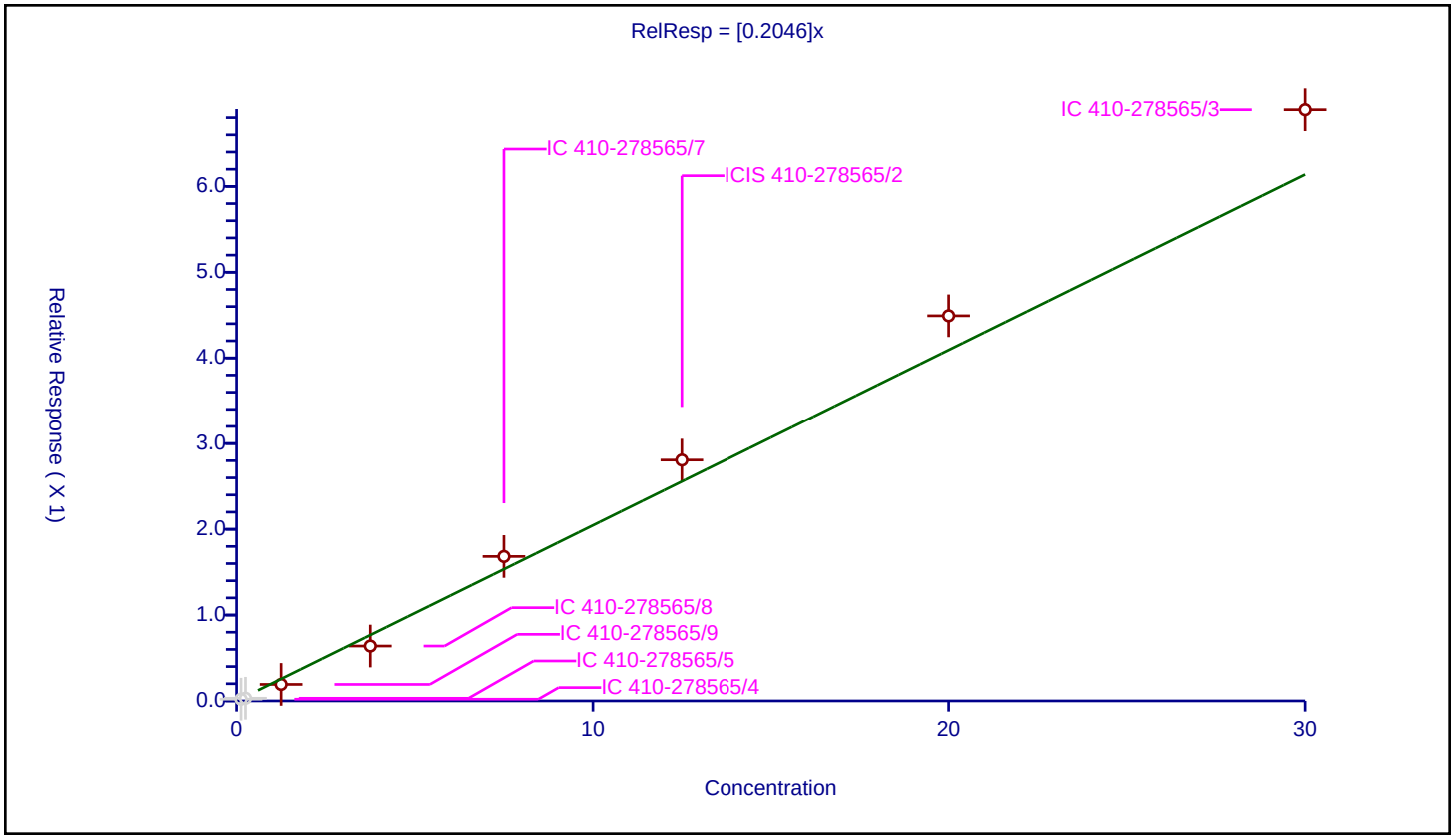
Curve Coefficients

Intercept:	0
Slope:	0.2046

Error Coefficients

Standard Error:	671000
Relative Standard Error:	16.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.020268	5.0	866647.0	0.162142	N
2	IC 410-278565/5	0.25	0.03104	5.0	876941.0	0.124159	N
3	IC 410-278565/9	1.25	0.192246	5.0	902593.0	0.153797	Y
4	IC 410-278565/8	3.75	0.639471	5.0	977246.0	0.170525	Y
5	IC 410-278565/7	7.5	1.682857	5.0	904958.0	0.224381	Y
6	ICIS 410-278565/2	12.5	2.80774	5.0	827272.0	0.224619	Y
7	IC 410-278565/6	20.0	4.492295	5.0	769837.0	0.224615	Y
8	IC 410-278565/3	30.0	6.892359	5.0	871925.0	0.229745	Y



Calibration / Di-n-butyl phthalate

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

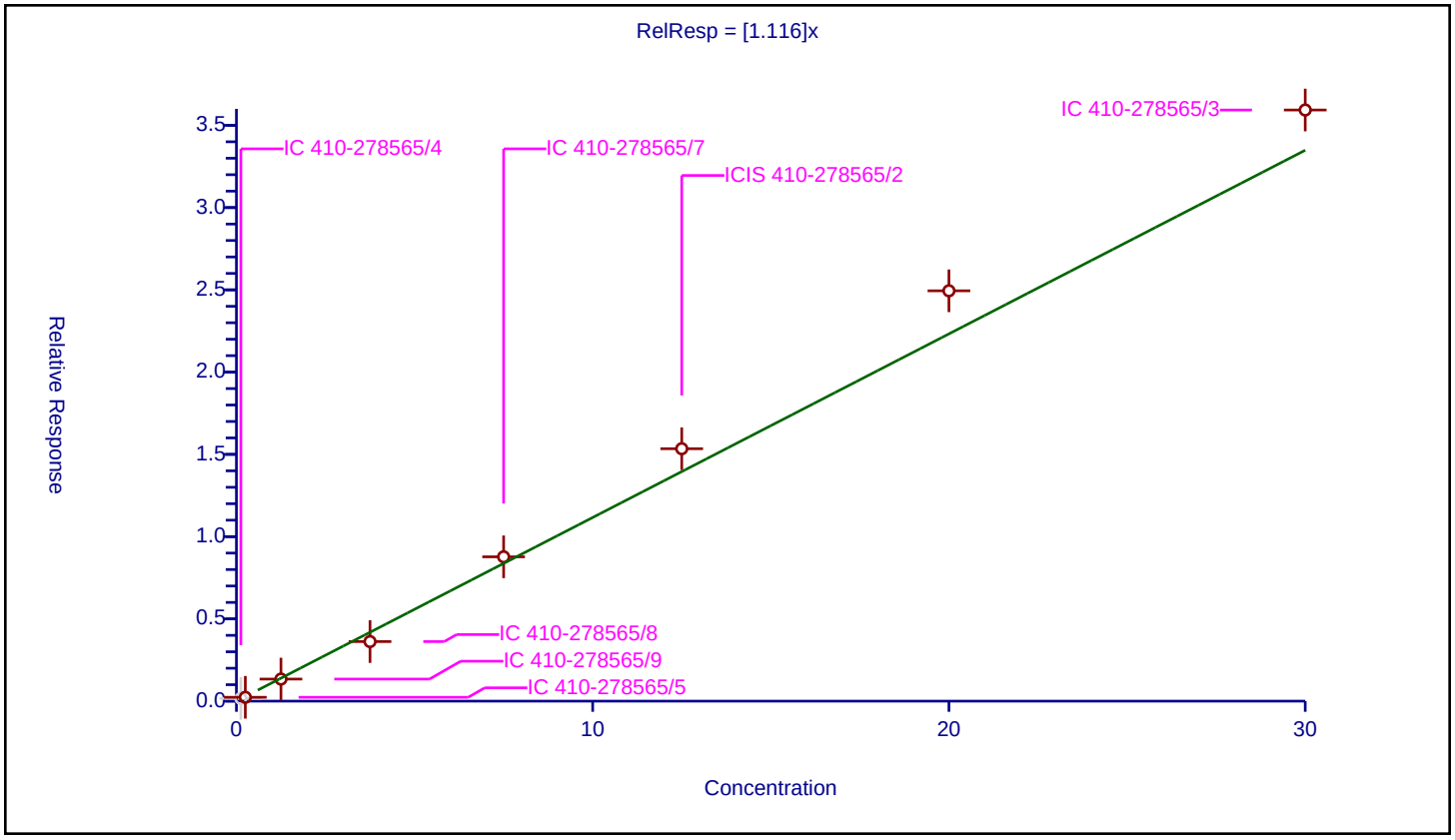
Curve Coefficients

Intercept:	0
Slope:	1.116

Error Coefficients

Standard Error:	3250000
Relative Standard Error:	11.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.165806	5.0	866647.0	1.326445	N
2	IC 410-278565/5	0.25	0.233191	5.0	876941.0	0.932765	Y
3	IC 410-278565/9	1.25	1.34164	5.0	902593.0	1.073312	Y
4	IC 410-278565/8	3.75	3.620347	5.0	977246.0	0.965426	Y
5	IC 410-278565/7	7.5	8.772451	5.0	904958.0	1.16966	Y
6	ICIS 410-278565/2	12.5	15.343515	5.0	827272.0	1.227481	Y
7	IC 410-278565/6	20.0	24.942942	5.0	769837.0	1.247147	Y
8	IC 410-278565/3	30.0	35.932179	5.0	871925.0	1.197739	Y



Calibration / 4-Nitroquinoline-1-oxide

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

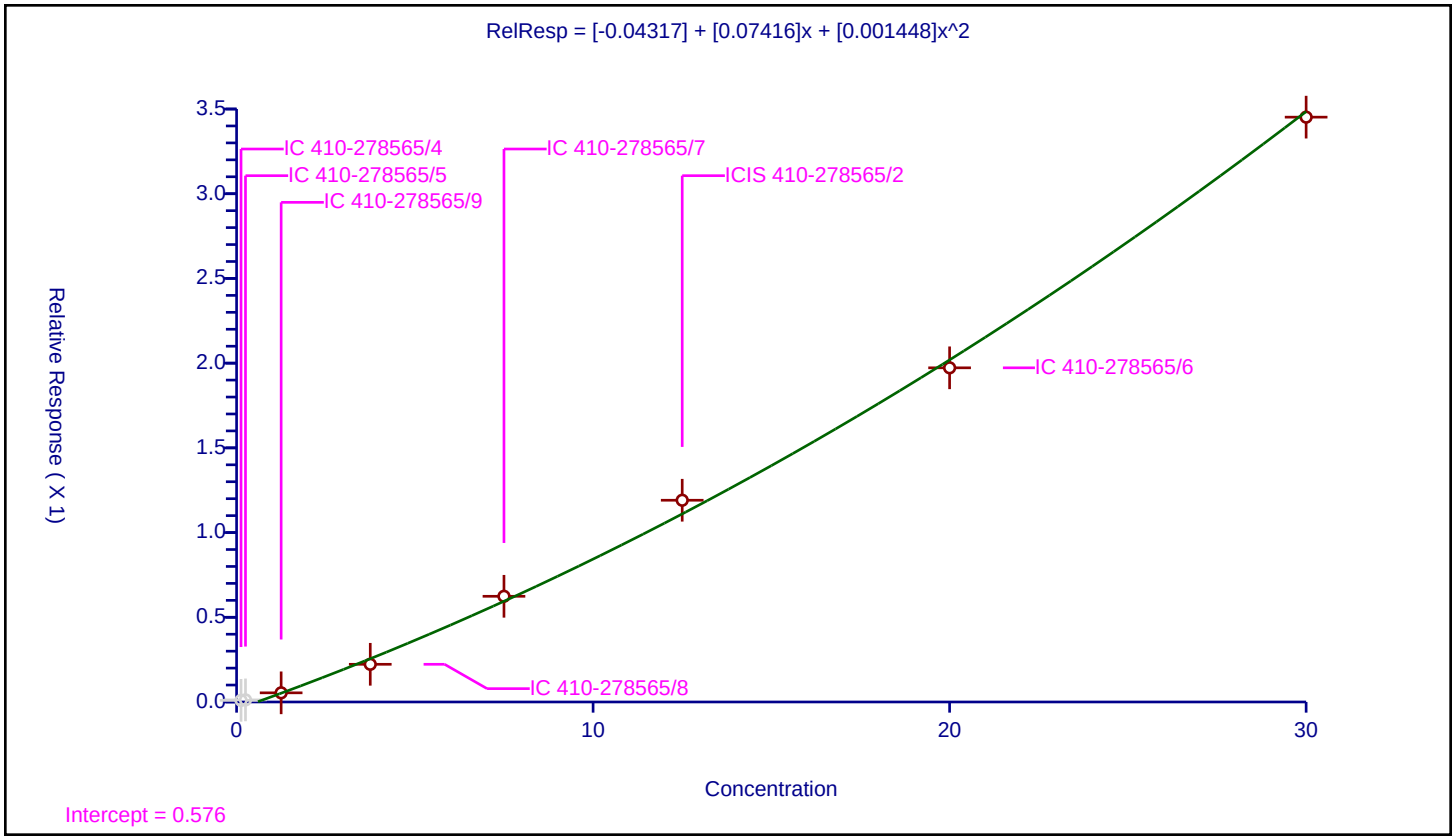
Curve Coefficients

Intercept:	-0.04317
Slope:	0.07416
Second Order:	0.001448

Error Coefficients

Standard Error:	412000
Relative Standard Error:	7.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.009664	5.0	866647.0	0.077309	N
2	IC 410-278565/5	0.25	0.012373	5.0	876941.0	0.04949	N
3	IC 410-278565/9	1.25	0.054055	5.0	902593.0	0.043244	Y
4	IC 410-278565/8	3.75	0.222441	5.0	977246.0	0.059318	Y
5	IC 410-278565/7	7.5	0.623863	5.0	904958.0	0.083182	Y
6	ICIS 410-278565/2	12.5	1.190745	5.0	827272.0	0.09526	Y
7	IC 410-278565/6	20.0	1.972437	5.0	769837.0	0.098622	Y
8	IC 410-278565/3	30.0	3.451983	5.0	871925.0	0.115066	Y



Calibration / Ethyl Parathion

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

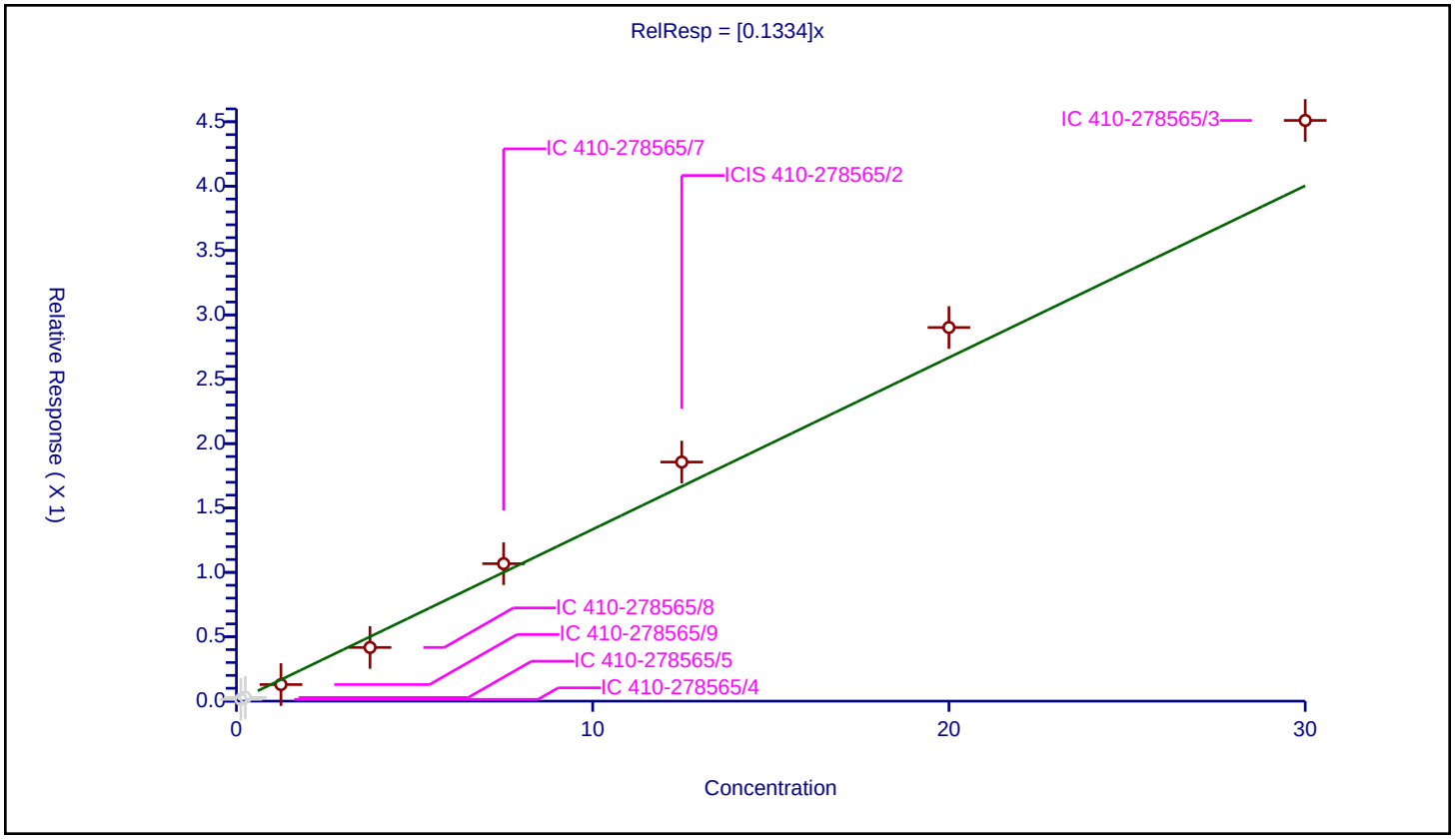
Curve Coefficients

Intercept:	0
Slope:	0.1334

Error Coefficients

Standard Error:	438000
Relative Standard Error:	15.5
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.013979	5.0	866647.0	0.111833	N
2	IC 410-278565/5	0.25	0.028508	5.0	876941.0	0.114033	N
3	IC 410-278565/9	1.25	0.128785	5.0	902593.0	0.103028	Y
4	IC 410-278565/8	3.75	0.417019	5.0	977246.0	0.111205	Y
5	IC 410-278565/7	7.5	1.067558	5.0	904958.0	0.142341	Y
6	ICIS 410-278565/2	12.5	1.856995	5.0	827272.0	0.14856	Y
7	IC 410-278565/6	20.0	2.902134	5.0	769837.0	0.145107	Y
8	IC 410-278565/3	30.0	4.510354	5.0	871925.0	0.150345	Y



Calibration / Octachlorostyrene

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

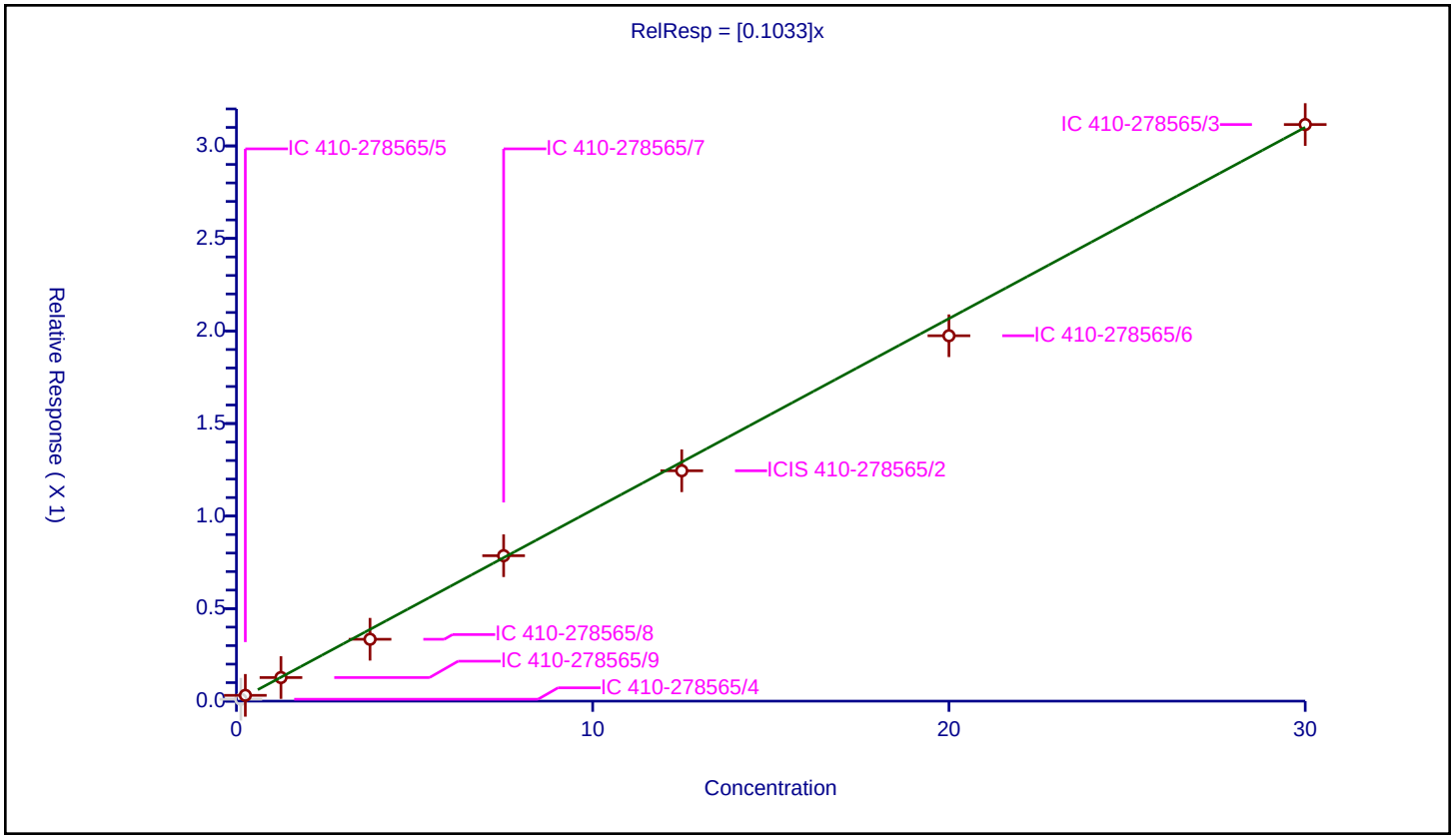
Curve Coefficients

Intercept:	0
Slope:	0.1033

Error Coefficients

Standard Error:	275000
Relative Standard Error:	10.7
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.010304	5.0	866647.0	0.082433	N
2	IC 410-278565/5	0.25	0.031348	5.0	876941.0	0.12539	Y
3	IC 410-278565/9	1.25	0.127449	5.0	902593.0	0.10196	Y
4	IC 410-278565/8	3.75	0.334322	5.0	977246.0	0.089153	Y
5	IC 410-278565/7	7.5	0.785838	5.0	904958.0	0.104778	Y
6	ICIS 410-278565/2	12.5	1.244712	5.0	827272.0	0.099577	Y
7	IC 410-278565/6	20.0	1.974308	5.0	769837.0	0.098715	Y
8	IC 410-278565/3	30.0	3.115492	5.0	871925.0	0.10385	Y



Calibration / Isodrin

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

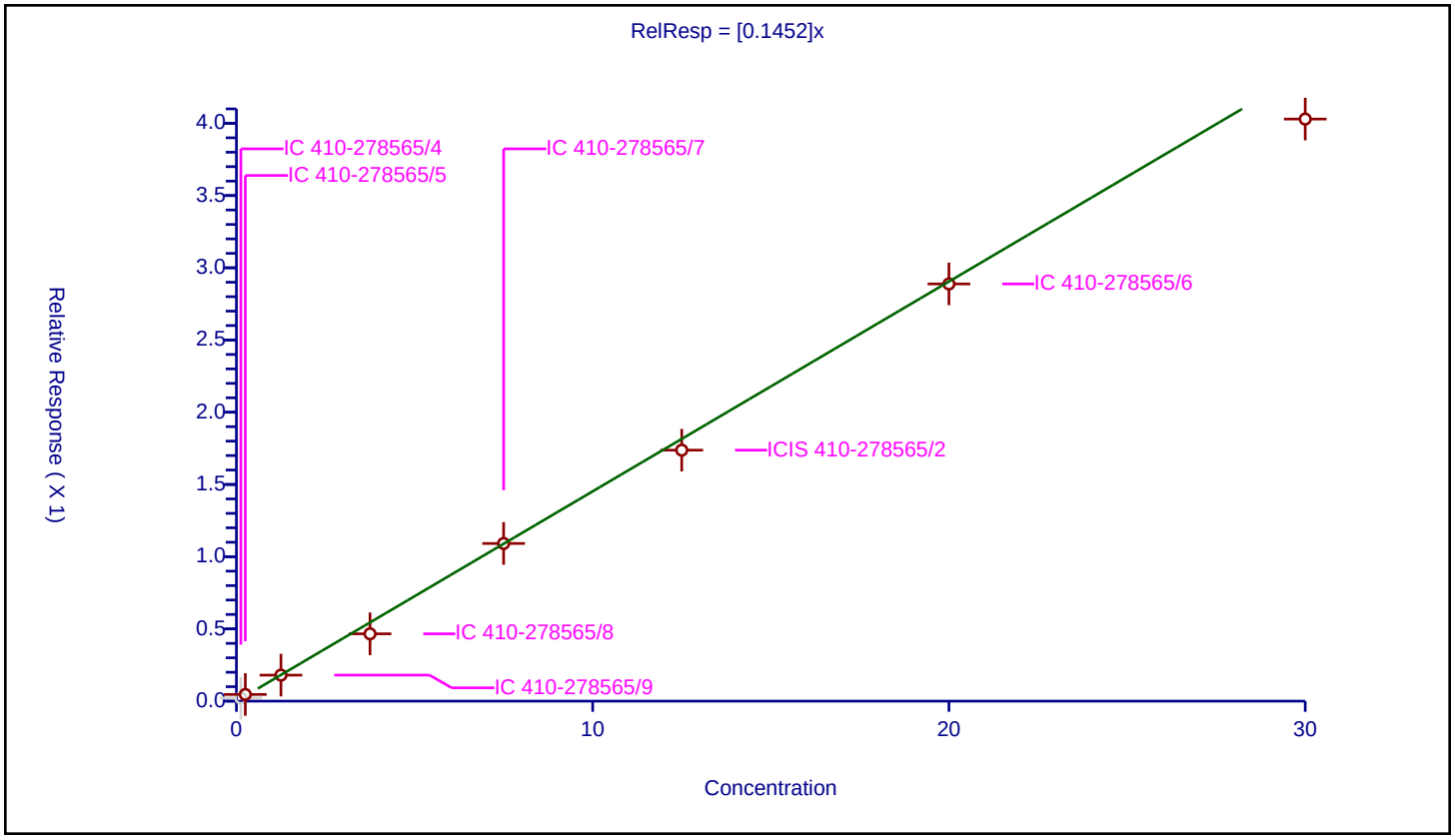
Curve Coefficients

Intercept:	0
Slope:	0.1452

Error Coefficients

Standard Error:	370000
Relative Standard Error:	13.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.021999	5.0	866647.0	0.175989	N
2	IC 410-278565/5	0.25	0.046274	5.0	876941.0	0.185098	Y
3	IC 410-278565/9	1.25	0.180042	5.0	902593.0	0.144034	Y
4	IC 410-278565/8	3.75	0.465988	5.0	977246.0	0.124263	Y
5	IC 410-278565/7	7.5	1.091459	5.0	904958.0	0.145528	Y
6	ICIS 410-278565/2	12.5	1.737458	5.0	827272.0	0.138997	Y
7	IC 410-278565/6	20.0	2.88817	5.0	769837.0	0.144408	Y
8	IC 410-278565/3	30.0	4.029532	5.0	871925.0	0.134318	Y



Calibration / Fluoranthene

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

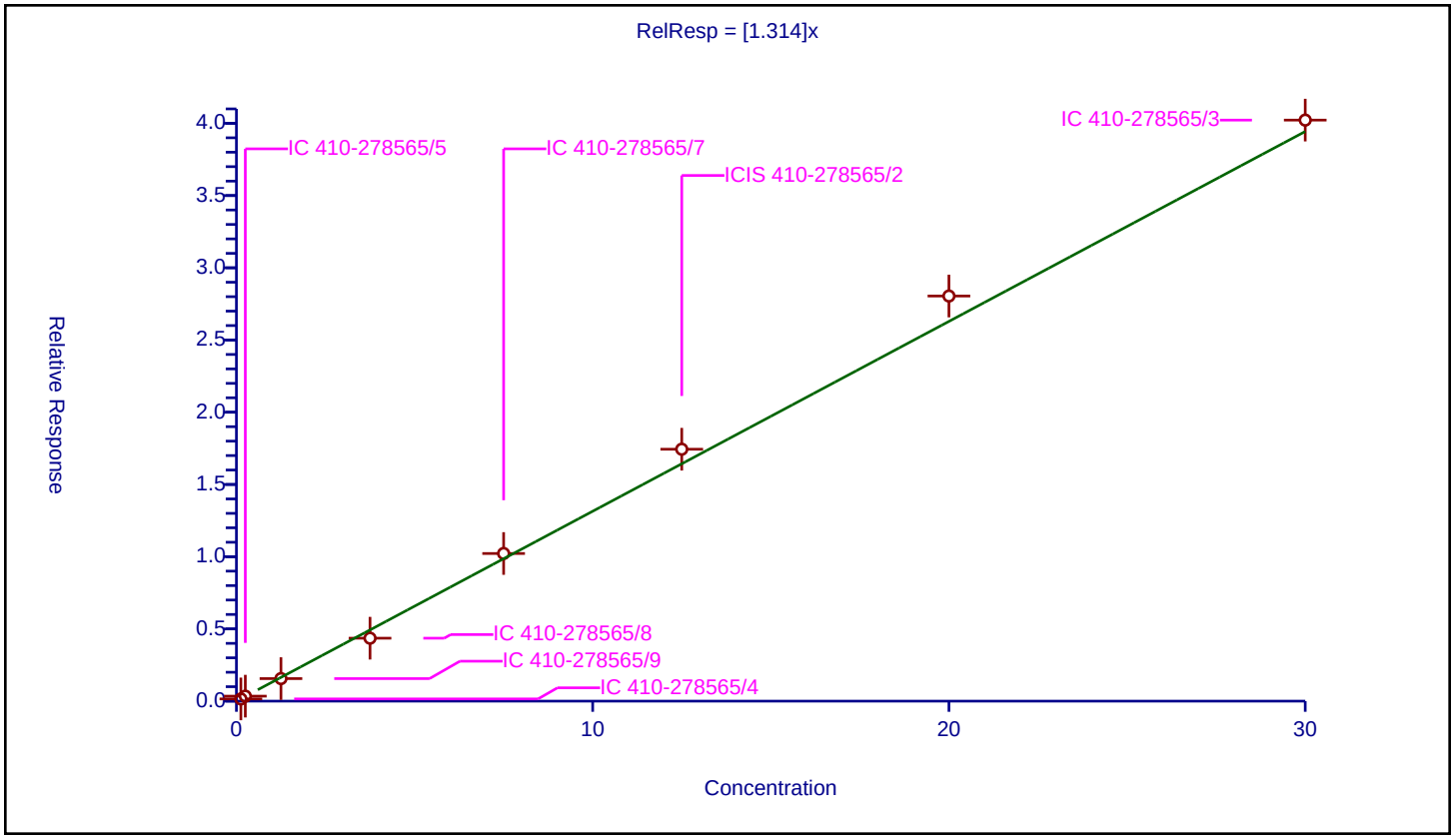
Curve Coefficients

Intercept:	0
Slope:	1.314

Error Coefficients

Standard Error:	3390000
Relative Standard Error:	6.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.153159	5.0	866647.0	1.225274	Y
2	IC 410-278565/5	0.25	0.344864	5.0	876941.0	1.379454	Y
3	IC 410-278565/9	1.25	1.560288	5.0	902593.0	1.24823	Y
4	IC 410-278565/8	3.75	4.357362	5.0	977246.0	1.161963	Y
5	IC 410-278565/7	7.5	10.220436	5.0	904958.0	1.362725	Y
6	ICIS 410-278565/2	12.5	17.440485	5.0	827272.0	1.395239	Y
7	IC 410-278565/6	20.0	28.045093	5.0	769837.0	1.402255	Y
8	IC 410-278565/3	30.0	40.223465	5.0	871925.0	1.340782	Y



Calibration / Benzidine

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

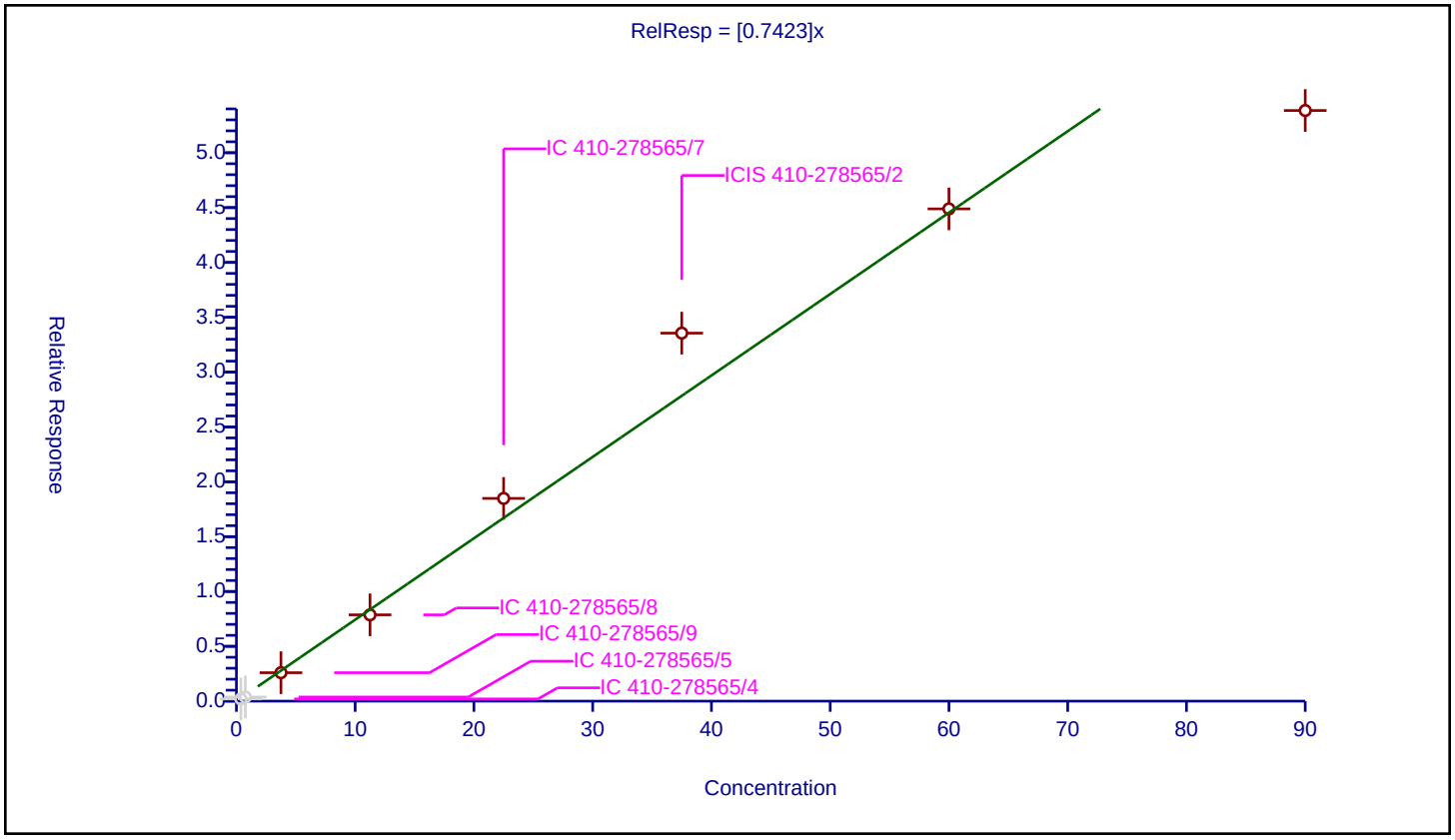
Curve Coefficients

Intercept:	0
Slope:	0.7423

Error Coefficients

Standard Error:	6680000
Relative Standard Error:	14.1
Correlation Coefficient:	0.961
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.375	0.200697	5.0	964190.0	0.535192	N
2	IC 410-278565/5	0.75	0.375596	5.0	960447.0	0.500795	N
3	IC 410-278565/9	3.75	2.593484	5.0	1043122.0	0.691596	Y
4	IC 410-278565/8	11.25	7.869632	5.0	1081597.0	0.699523	Y
5	IC 410-278565/7	22.5	18.484983	5.0	1049962.0	0.821555	Y
6	ICIS 410-278565/2	37.5	33.555797	5.0	918112.0	0.894821	Y
7	IC 410-278565/6	60.0	44.883391	5.0	872534.0	0.748057	Y
8	IC 410-278565/3	90.0	53.851102	5.0	954928.0	0.598346	Y



Calibration / Pyrene

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

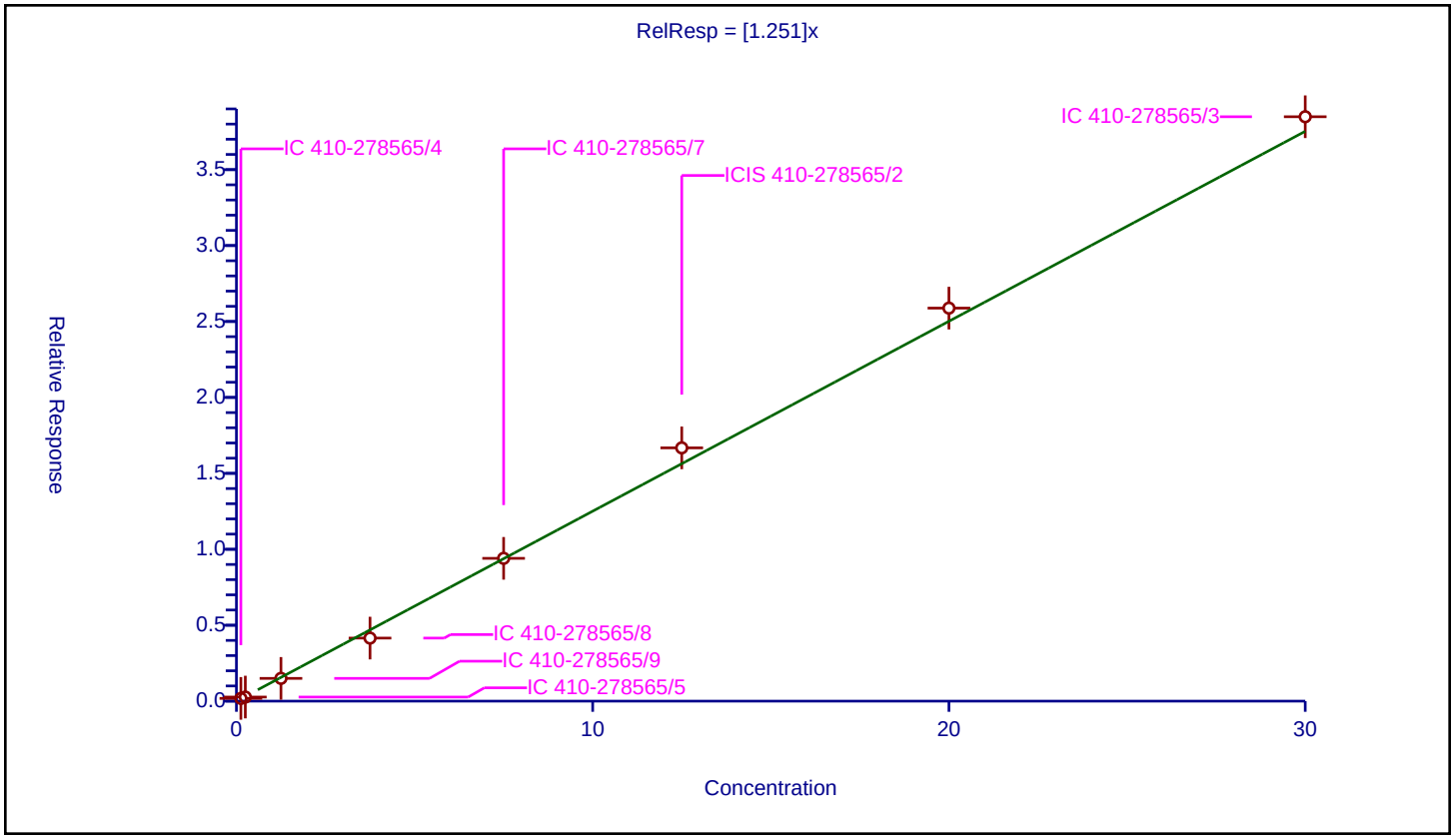
Curve Coefficients

Intercept:	0
Slope:	1.251

Error Coefficients

Standard Error:	3560000
Relative Standard Error:	9.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.182267	5.0	964190.0	1.458136	Y
2	IC 410-278565/5	0.25	0.26913	5.0	960447.0	1.07652	Y
3	IC 410-278565/9	1.25	1.499173	5.0	1043122.0	1.199338	Y
4	IC 410-278565/8	3.75	4.151814	5.0	1081597.0	1.107151	Y
5	IC 410-278565/7	7.5	9.403855	5.0	1049962.0	1.253847	Y
6	ICIS 410-278565/2	12.5	16.678984	5.0	918112.0	1.334319	Y
7	IC 410-278565/6	20.0	25.880378	5.0	872534.0	1.294019	Y
8	IC 410-278565/3	30.0	38.483158	5.0	954928.0	1.282772	Y



Calibration / p-Terphenyl-d14

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

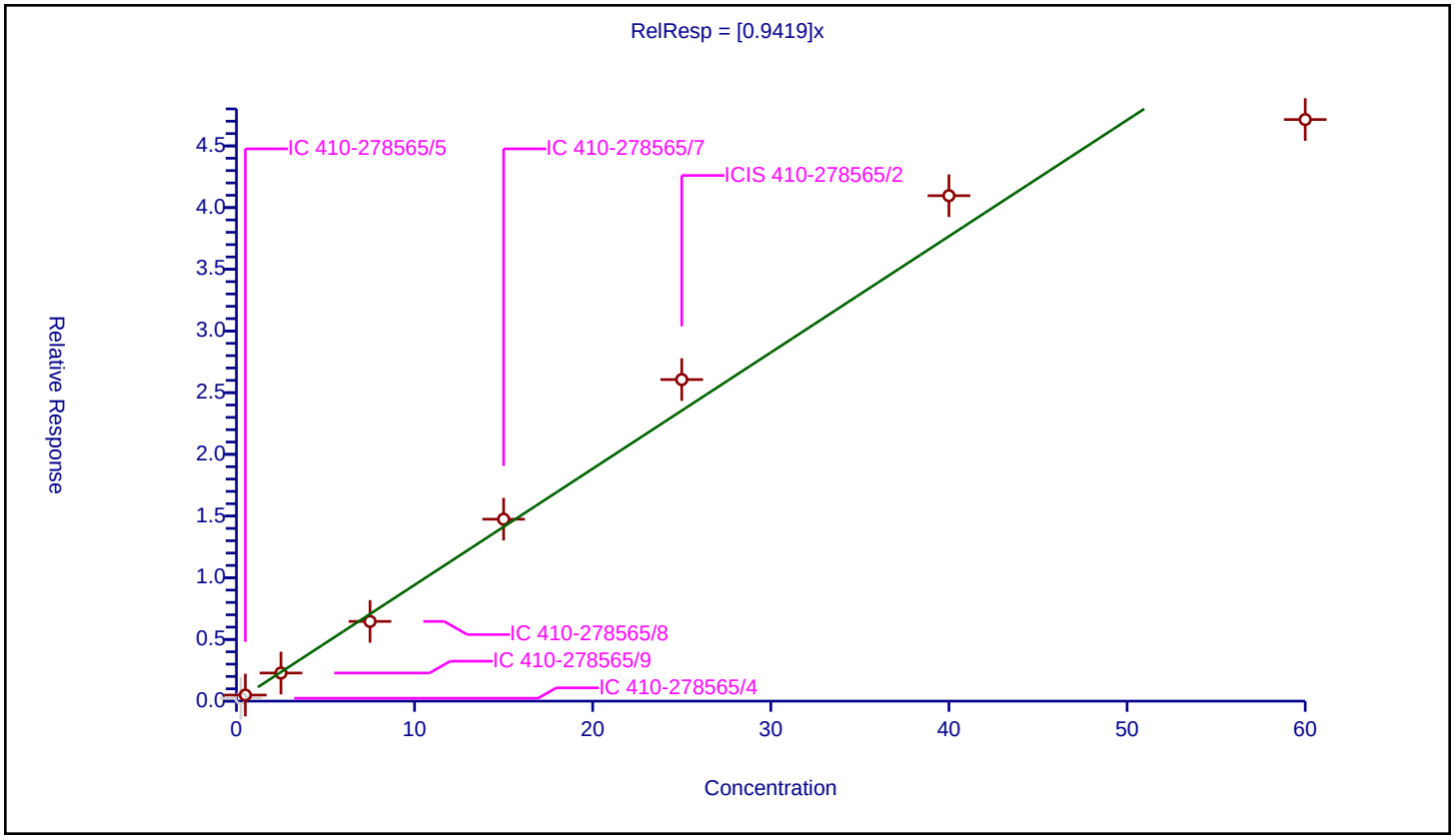
Curve Coefficients

Intercept:	0
Slope:	0.9419

Error Coefficients

Standard Error:	5270000
Relative Standard Error:	9.9
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.25	0.233559	5.0	964190.0	0.934235	N
2	IC 410-278565/5	0.5	0.492463	5.0	960447.0	0.984927	Y
3	IC 410-278565/9	2.5	2.277634	5.0	1043122.0	0.911054	Y
4	IC 410-278565/8	7.5	6.462643	5.0	1081597.0	0.861686	Y
5	IC 410-278565/7	15.0	14.74661	5.0	1049962.0	0.983107	Y
6	ICIS 410-278565/2	25.0	26.063024	5.0	918112.0	1.042521	Y
7	IC 410-278565/6	40.0	40.964123	5.0	872534.0	1.024103	Y
8	IC 410-278565/3	60.0	47.135758	5.0	954928.0	0.785596	Y



Calibration / p-Dimethylamino azobenzene

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

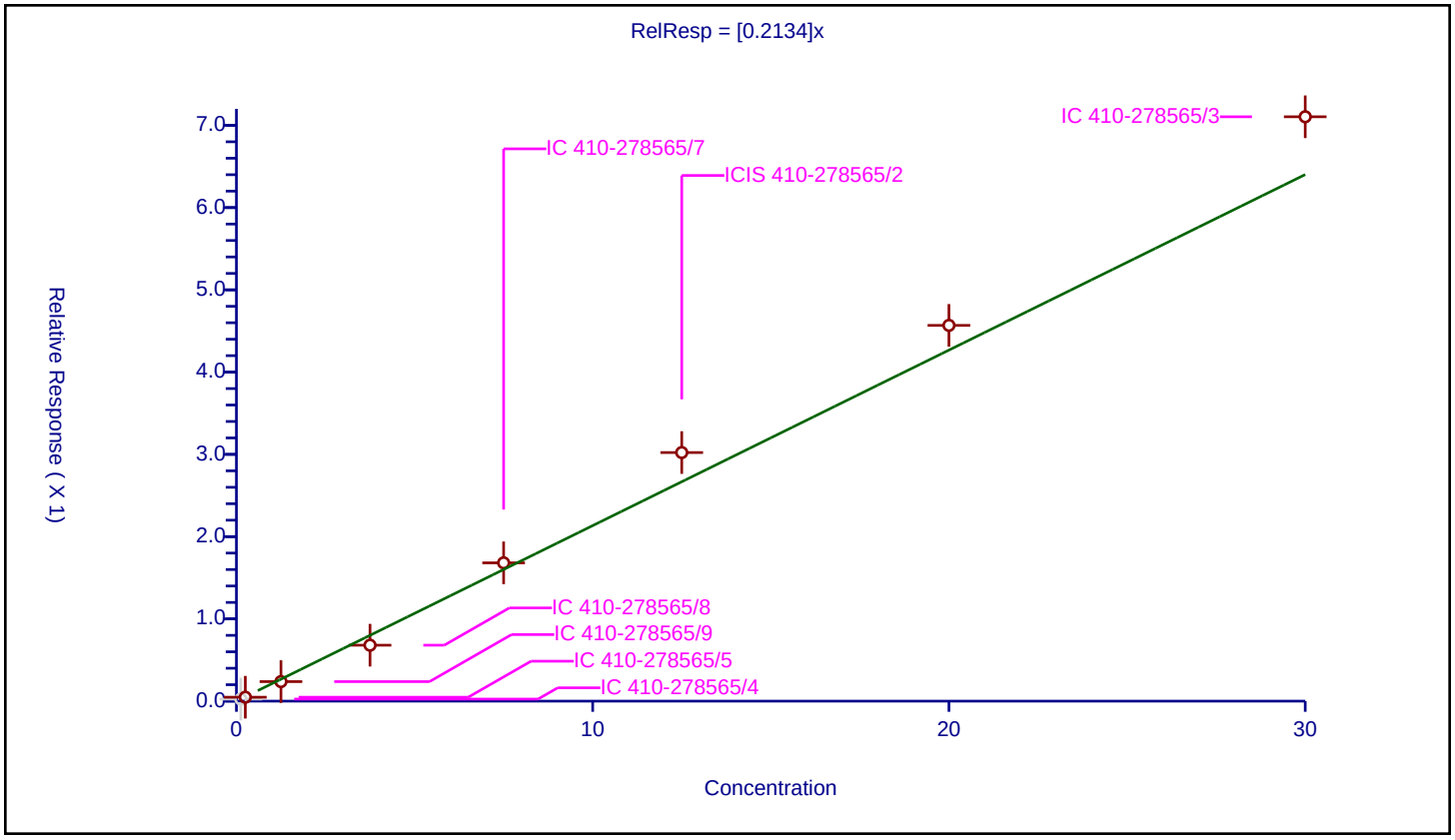
Curve Coefficients

Intercept:	0
Slope:	0.2134

Error Coefficients

Standard Error:	699000
Relative Standard Error:	11.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.025094	5.0	964190.0	0.200749	N
2	IC 410-278565/5	0.25	0.047759	5.0	960447.0	0.191036	Y
3	IC 410-278565/9	1.25	0.237623	5.0	1043122.0	0.190099	Y
4	IC 410-278565/8	3.75	0.680193	5.0	1081597.0	0.181385	Y
5	IC 410-278565/7	7.5	1.68127	5.0	1049962.0	0.224169	Y
6	ICIS 410-278565/2	12.5	3.021962	5.0	918112.0	0.241757	Y
7	IC 410-278565/6	20.0	4.568172	5.0	872534.0	0.228409	Y
8	IC 410-278565/3	30.0	7.104216	5.0	954928.0	0.236807	Y



Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

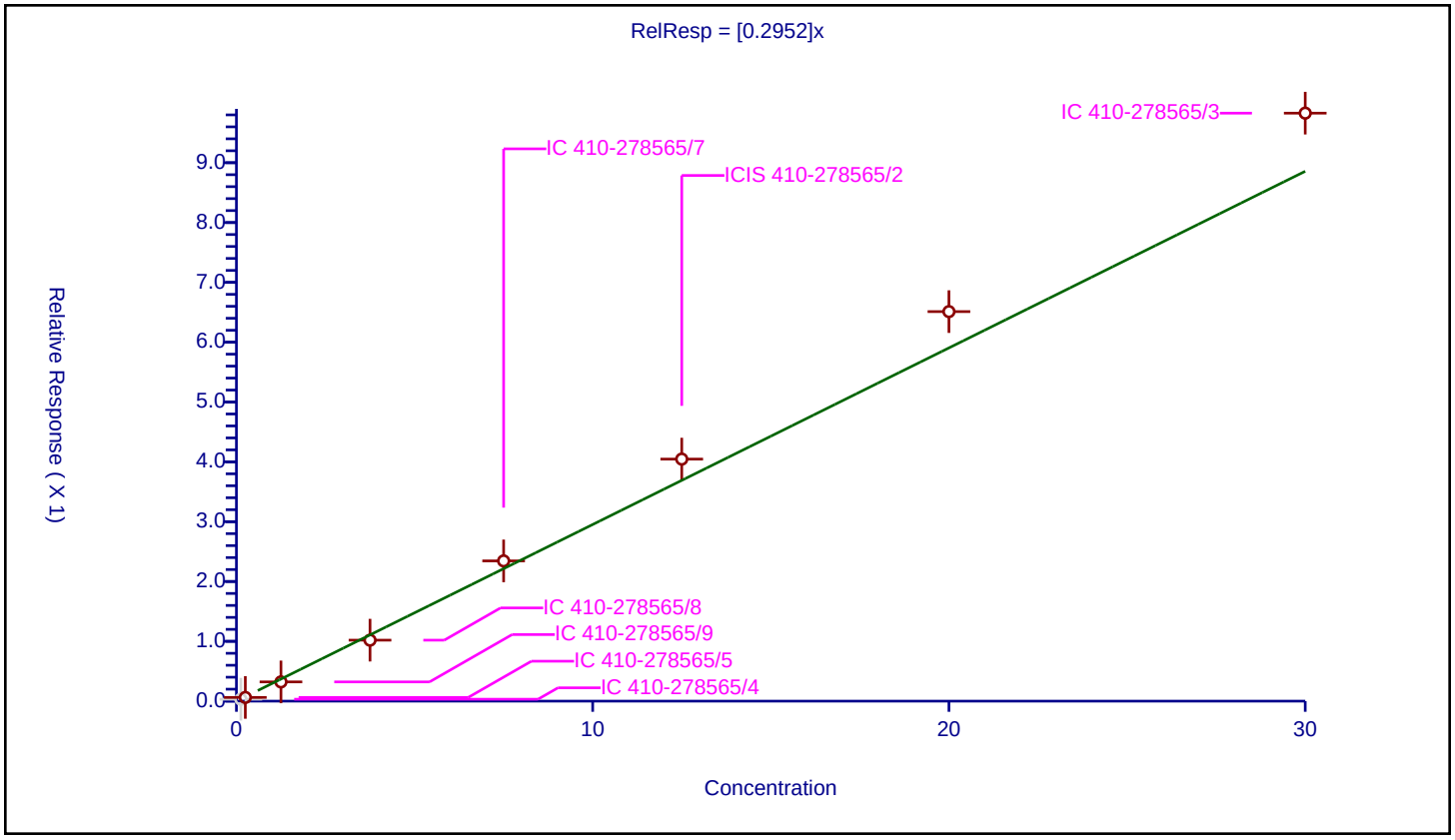
Curve Coefficients

Intercept:	0
Slope:	0.2952

Error Coefficients

Standard Error:	971000
Relative Standard Error:	11.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.032146	5.0	964190.0	0.257169	N
2	IC 410-278565/5	0.25	0.062034	5.0	960447.0	0.248134	Y
3	IC 410-278565/9	1.25	0.321583	5.0	1043122.0	0.257266	Y
4	IC 410-278565/8	3.75	1.019243	5.0	1081597.0	0.271798	Y
5	IC 410-278565/7	7.5	2.34429	5.0	1049962.0	0.312572	Y
6	ICIS 410-278565/2	12.5	4.045993	5.0	918112.0	0.323679	Y
7	IC 410-278565/6	20.0	6.511397	5.0	872534.0	0.32557	Y
8	IC 410-278565/3	30.0	9.828945	5.0	954928.0	0.327632	Y



Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

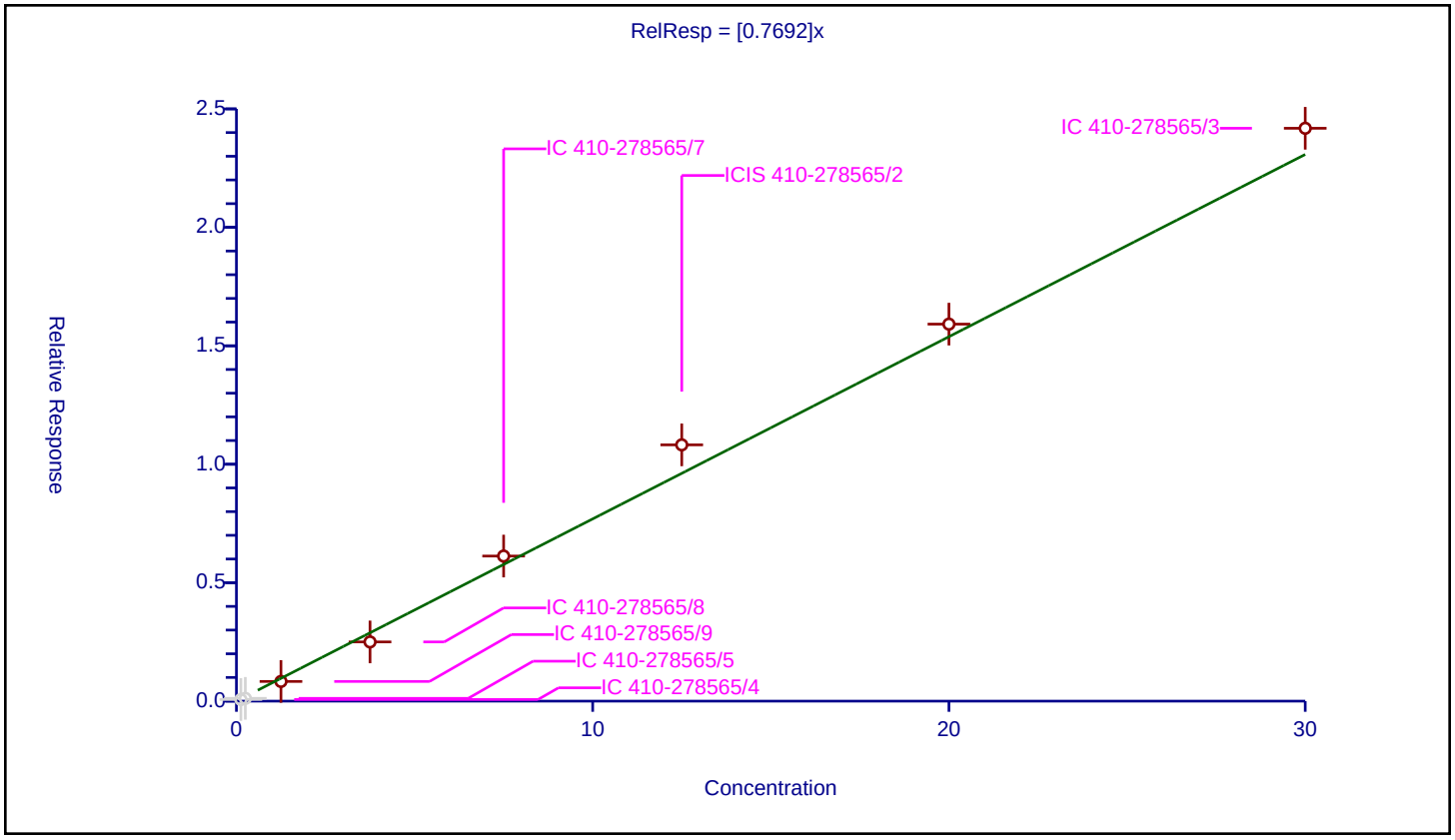
Curve Coefficients

Intercept:	0
Slope:	0.7692

Error Coefficients

Standard Error:	2640000
Relative Standard Error:	10.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.068659	5.0	964190.0	0.549269	N
2	IC 410-278565/5	0.25	0.117284	5.0	960447.0	0.469136	N
3	IC 410-278565/9	1.25	0.830847	5.0	1043122.0	0.664678	Y
4	IC 410-278565/8	3.75	2.500358	5.0	1081597.0	0.666762	Y
5	IC 410-278565/7	7.5	6.124255	5.0	1049962.0	0.816567	Y
6	ICIS 410-278565/2	12.5	10.8188	5.0	918112.0	0.865504	Y
7	IC 410-278565/6	20.0	15.914904	5.0	872534.0	0.795745	Y
8	IC 410-278565/3	30.0	24.181116	5.0	954928.0	0.806037	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

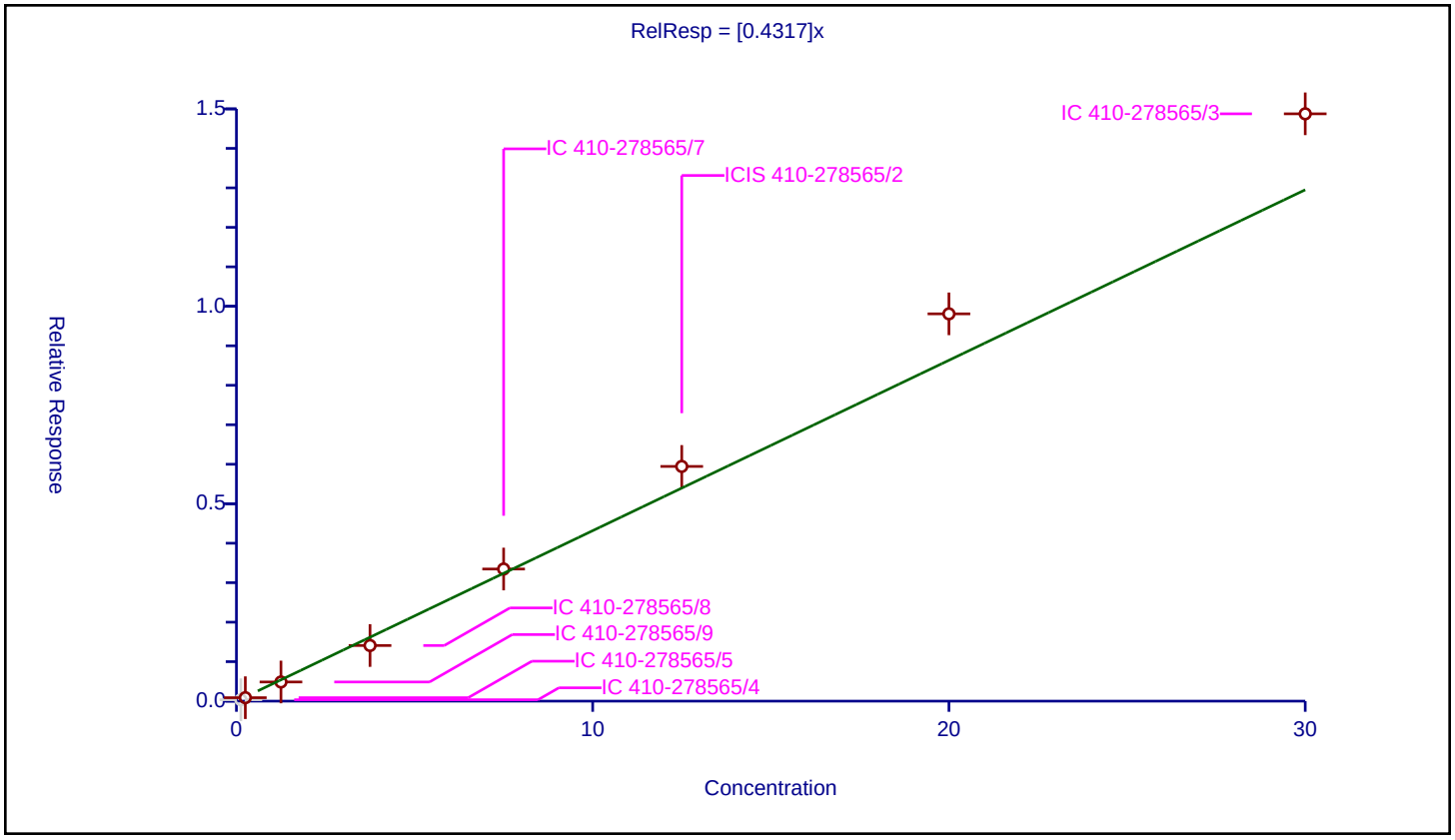
Curve Coefficients

Intercept:	0
Slope:	0.4317

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	13.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.035714	5.0	964190.0	0.285711	N
2	IC 410-278565/5	0.25	0.087464	5.0	960447.0	0.349858	Y
3	IC 410-278565/9	1.25	0.485193	5.0	1043122.0	0.388154	Y
4	IC 410-278565/8	3.75	1.409032	5.0	1081597.0	0.375742	Y
5	IC 410-278565/7	7.5	3.346288	5.0	1049962.0	0.446172	Y
6	ICIS 410-278565/2	12.5	5.944721	5.0	918112.0	0.475578	Y
7	IC 410-278565/6	20.0	9.80932	5.0	872534.0	0.490466	Y
8	IC 410-278565/3	30.0	14.875326	5.0	954928.0	0.495844	Y



Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

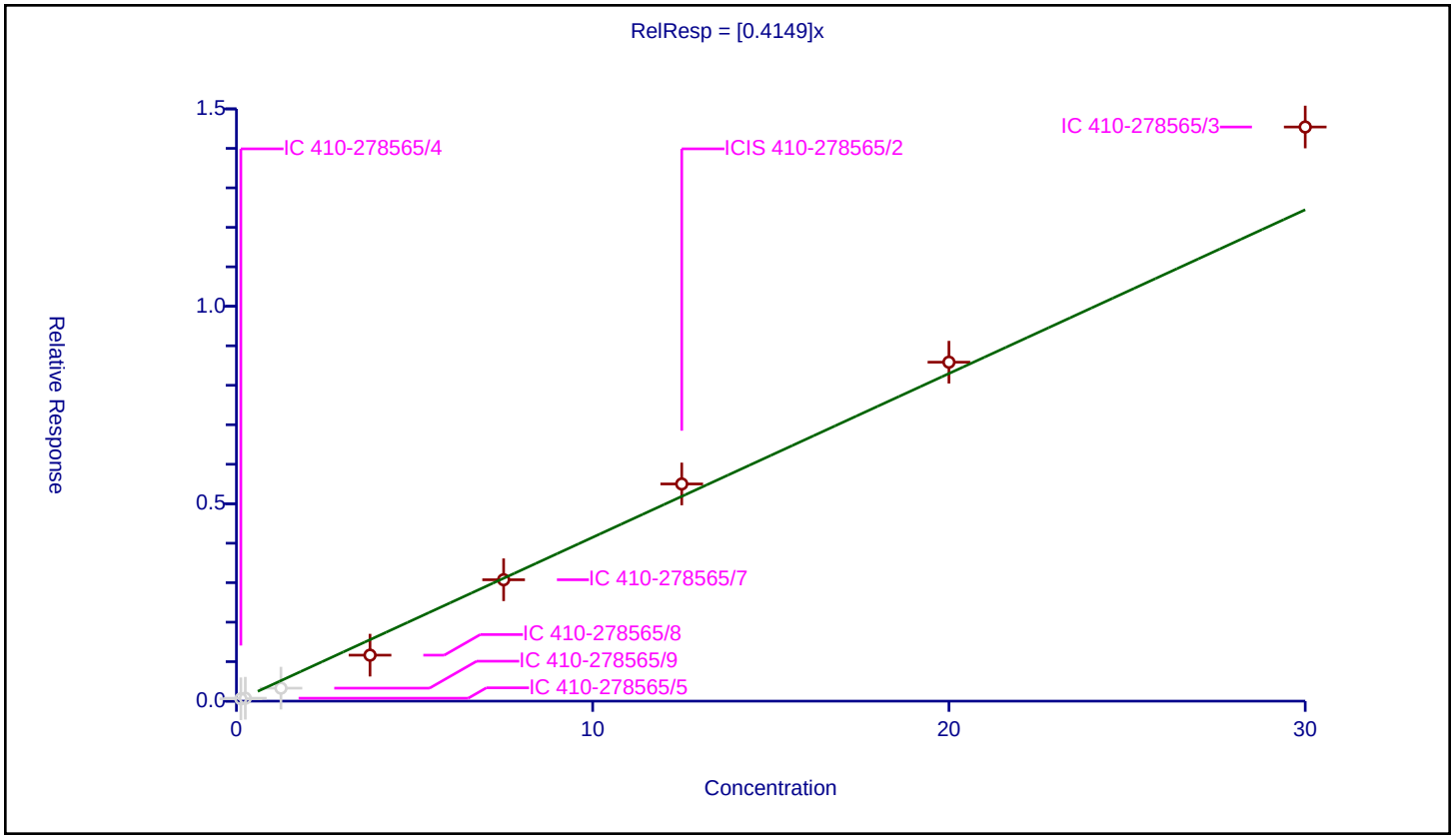
Curve Coefficients

Intercept:	0
Slope:	0.4149

Error Coefficients

Standard Error:	1690000
Relative Standard Error:	15.5
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.059547	5.0	964190.0	0.476379	N
2	IC 410-278565/5	0.25	0.073846	5.0	960447.0	0.295383	N
3	IC 410-278565/9	1.25	0.328672	5.0	1043122.0	0.262938	N
4	IC 410-278565/8	3.75	1.164417	5.0	1081597.0	0.310511	Y
5	IC 410-278565/7	7.5	3.074083	5.0	1049962.0	0.409878	Y
6	ICIS 410-278565/2	12.5	5.500625	5.0	918112.0	0.44005	Y
7	IC 410-278565/6	20.0	8.58464	5.0	872534.0	0.429232	Y
8	IC 410-278565/3	30.0	14.541102	5.0	954928.0	0.484703	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

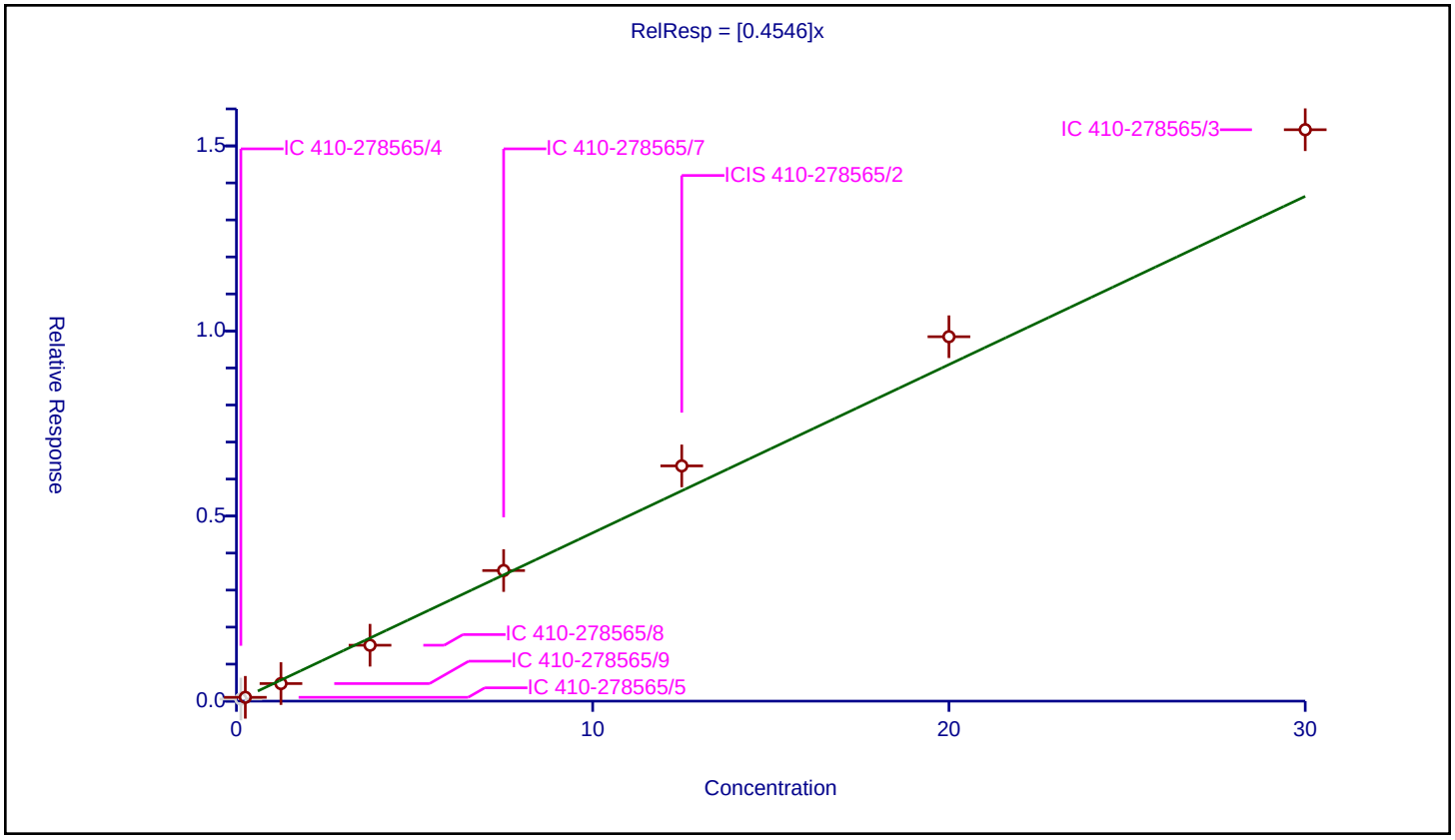
Curve Coefficients

Intercept:	0
Slope:	0.4546

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	12.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.057478	5.0	964190.0	0.459826	N
2	IC 410-278565/5	0.25	0.103582	5.0	960447.0	0.414328	Y
3	IC 410-278565/9	1.25	0.474345	5.0	1043122.0	0.379476	Y
4	IC 410-278565/8	3.75	1.510683	5.0	1081597.0	0.402849	Y
5	IC 410-278565/7	7.5	3.527937	5.0	1049962.0	0.470392	Y
6	ICIS 410-278565/2	12.5	6.355292	5.0	918112.0	0.508423	Y
7	IC 410-278565/6	20.0	9.84541	5.0	872534.0	0.492271	Y
8	IC 410-278565/3	30.0	15.437269	5.0	954928.0	0.514576	Y



Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

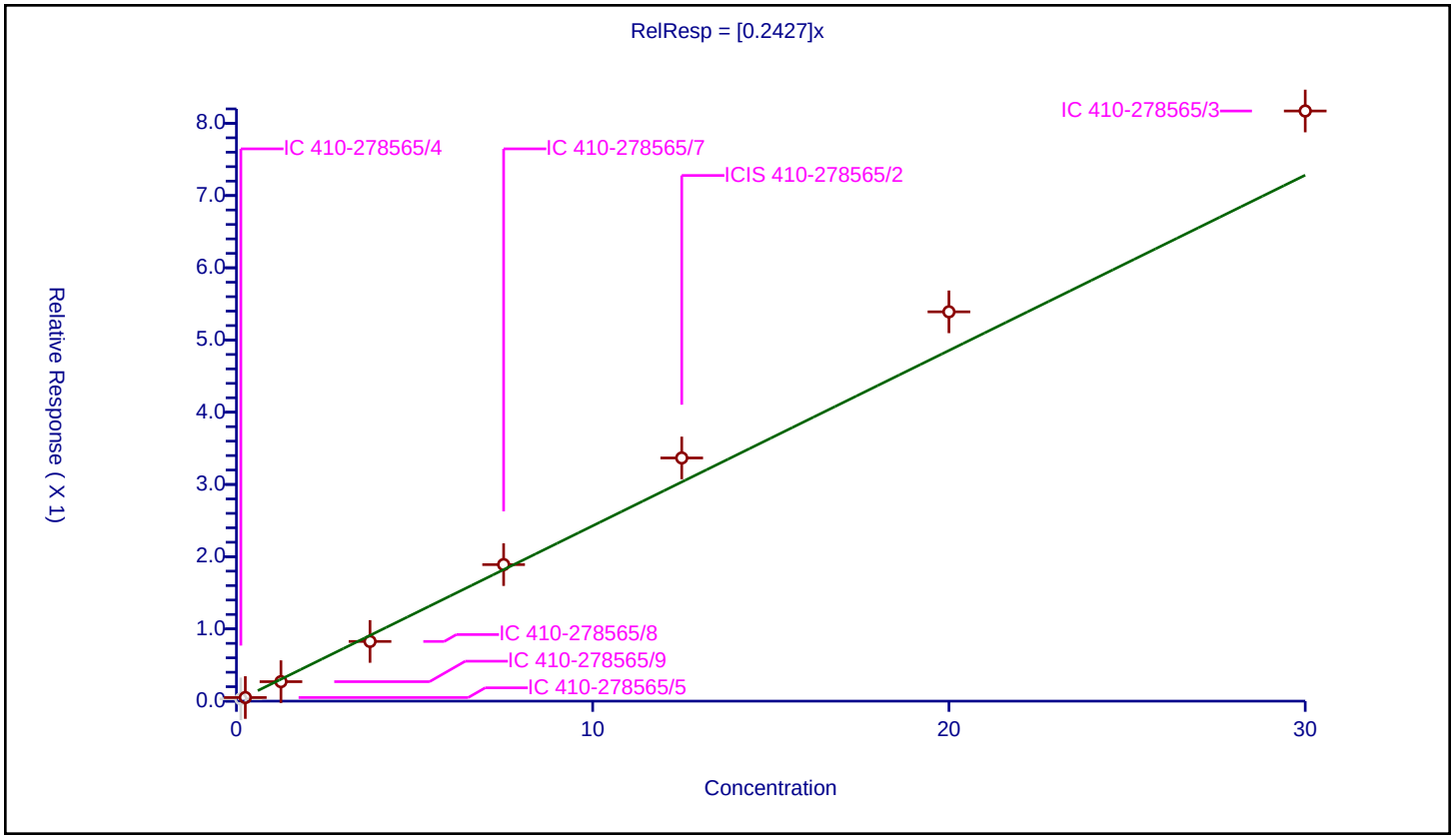
Curve Coefficients

Intercept:	0
Slope:	0.2427

Error Coefficients

Standard Error:	806000
Relative Standard Error:	12.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.031721	5.0	964190.0	0.253767	N
2	IC 410-278565/5	0.25	0.049899	5.0	960447.0	0.199595	Y
3	IC 410-278565/9	1.25	0.269925	5.0	1043122.0	0.21594	Y
4	IC 410-278565/8	3.75	0.826449	5.0	1081597.0	0.220386	Y
5	IC 410-278565/7	7.5	1.890535	5.0	1049962.0	0.252071	Y
6	ICIS 410-278565/2	12.5	3.366915	5.0	918112.0	0.269353	Y
7	IC 410-278565/6	20.0	5.390294	5.0	872534.0	0.269515	Y
8	IC 410-278565/3	30.0	8.171019	5.0	954928.0	0.272367	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

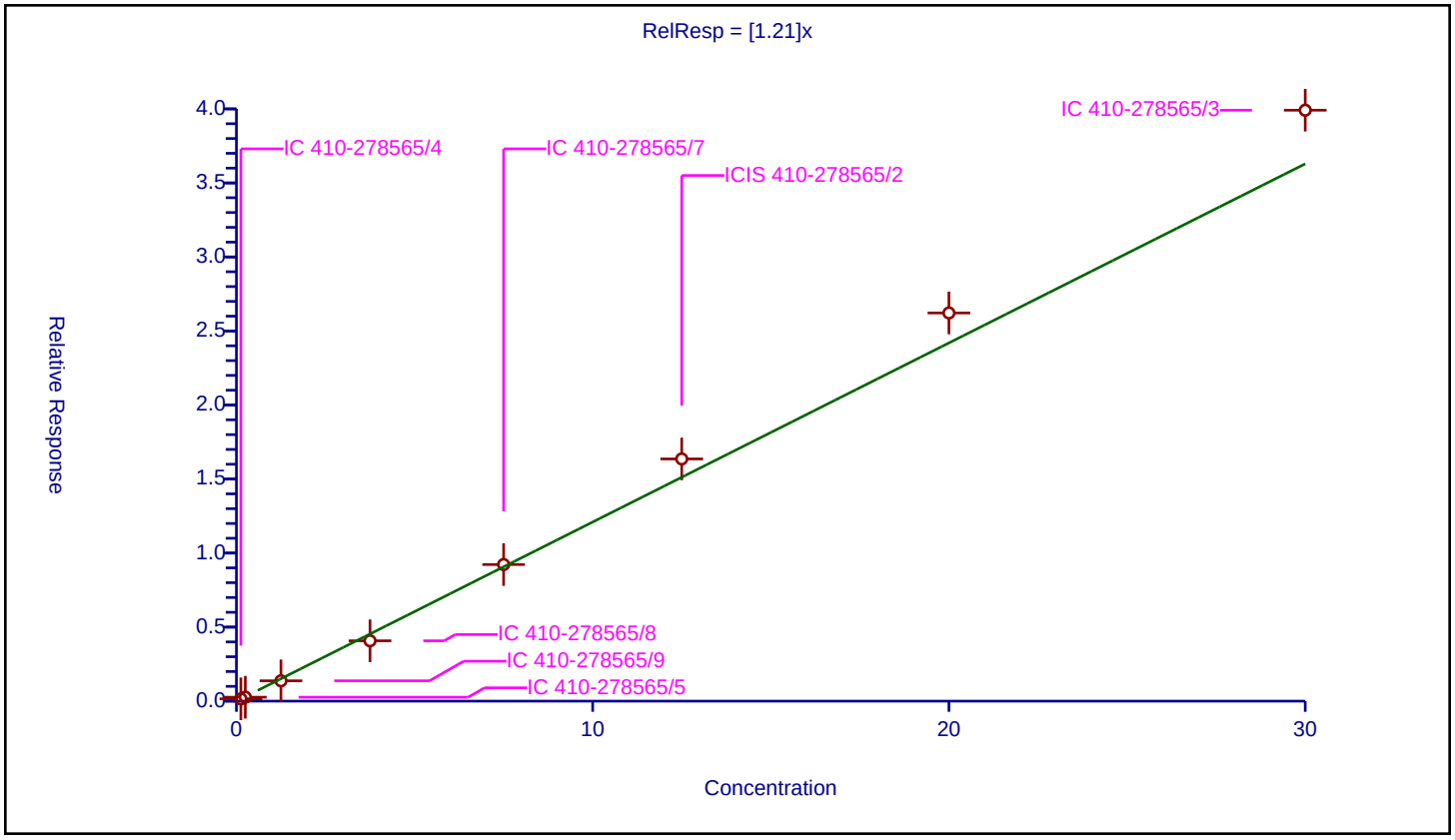
Curve Coefficients

Intercept:	0
Slope:	1.21

Error Coefficients

Standard Error:	3640000
Relative Standard Error:	9.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.156136	5.0	964190.0	1.24909	Y
2	IC 410-278565/5	0.25	0.265637	5.0	960447.0	1.062547	Y
3	IC 410-278565/9	1.25	1.373847	5.0	1043122.0	1.099078	Y
4	IC 410-278565/8	3.75	4.074591	5.0	1081597.0	1.086558	Y
5	IC 410-278565/7	7.5	9.225815	5.0	1049962.0	1.230109	Y
6	ICIS 410-278565/2	12.5	16.358119	5.0	918112.0	1.308649	Y
7	IC 410-278565/6	20.0	26.217001	5.0	872534.0	1.31085	Y
8	IC 410-278565/3	30.0	39.912077	5.0	954928.0	1.330403	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

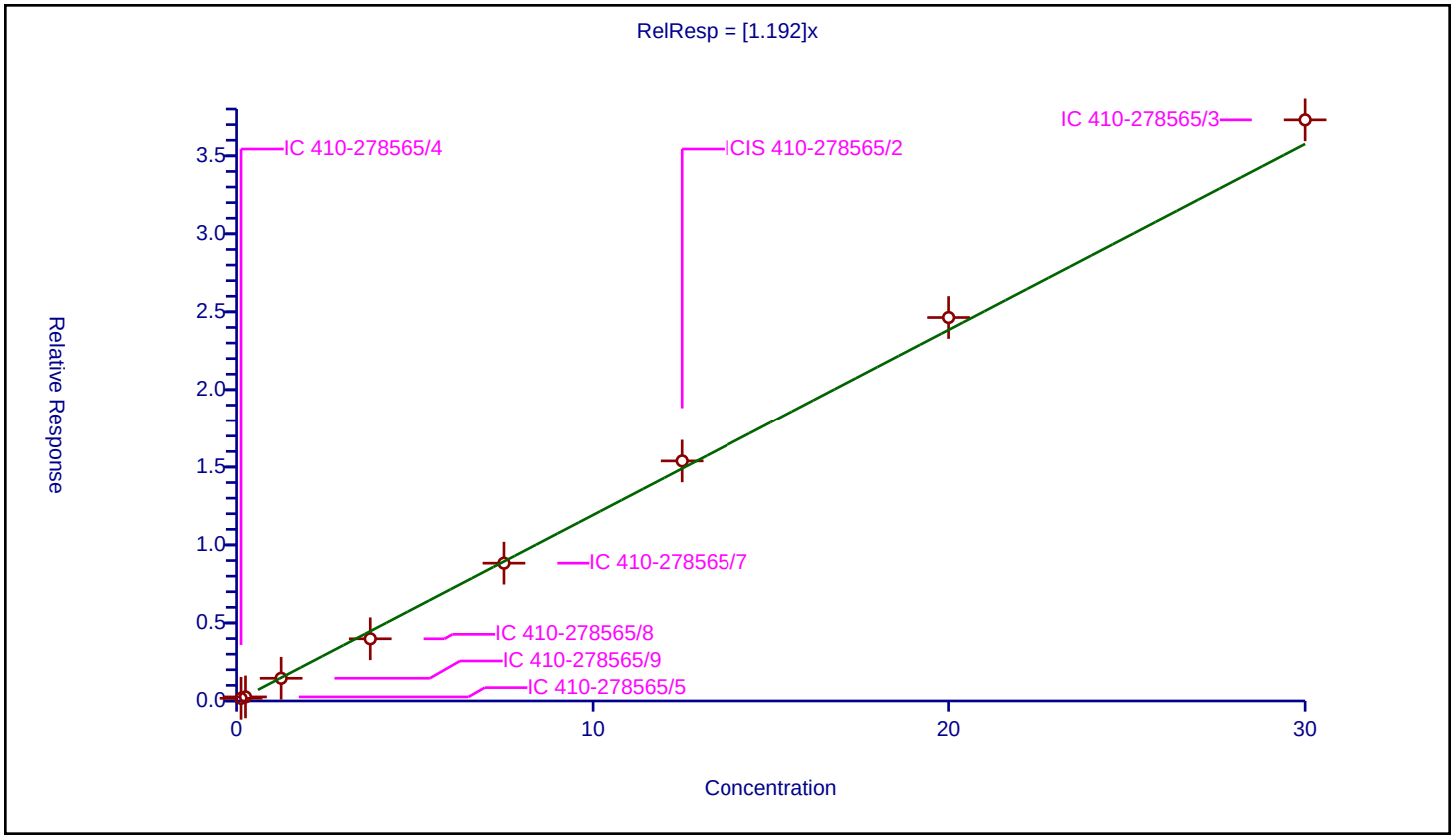
Curve Coefficients

Intercept:	0
Slope:	1.192

Error Coefficients

Standard Error:	3410000
Relative Standard Error:	9.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.172507	5.0	964190.0	1.38006	Y
2	IC 410-278565/5	0.25	0.261337	5.0	960447.0	1.045347	Y
3	IC 410-278565/9	1.25	1.455223	5.0	1043122.0	1.164178	Y
4	IC 410-278565/8	3.75	3.985144	5.0	1081597.0	1.062705	Y
5	IC 410-278565/7	7.5	8.833272	5.0	1049962.0	1.17777	Y
6	ICIS 410-278565/2	12.5	15.387159	5.0	918112.0	1.230973	Y
7	IC 410-278565/6	20.0	24.638541	5.0	872534.0	1.231927	Y
8	IC 410-278565/3	30.0	37.306687	5.0	954928.0	1.243556	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

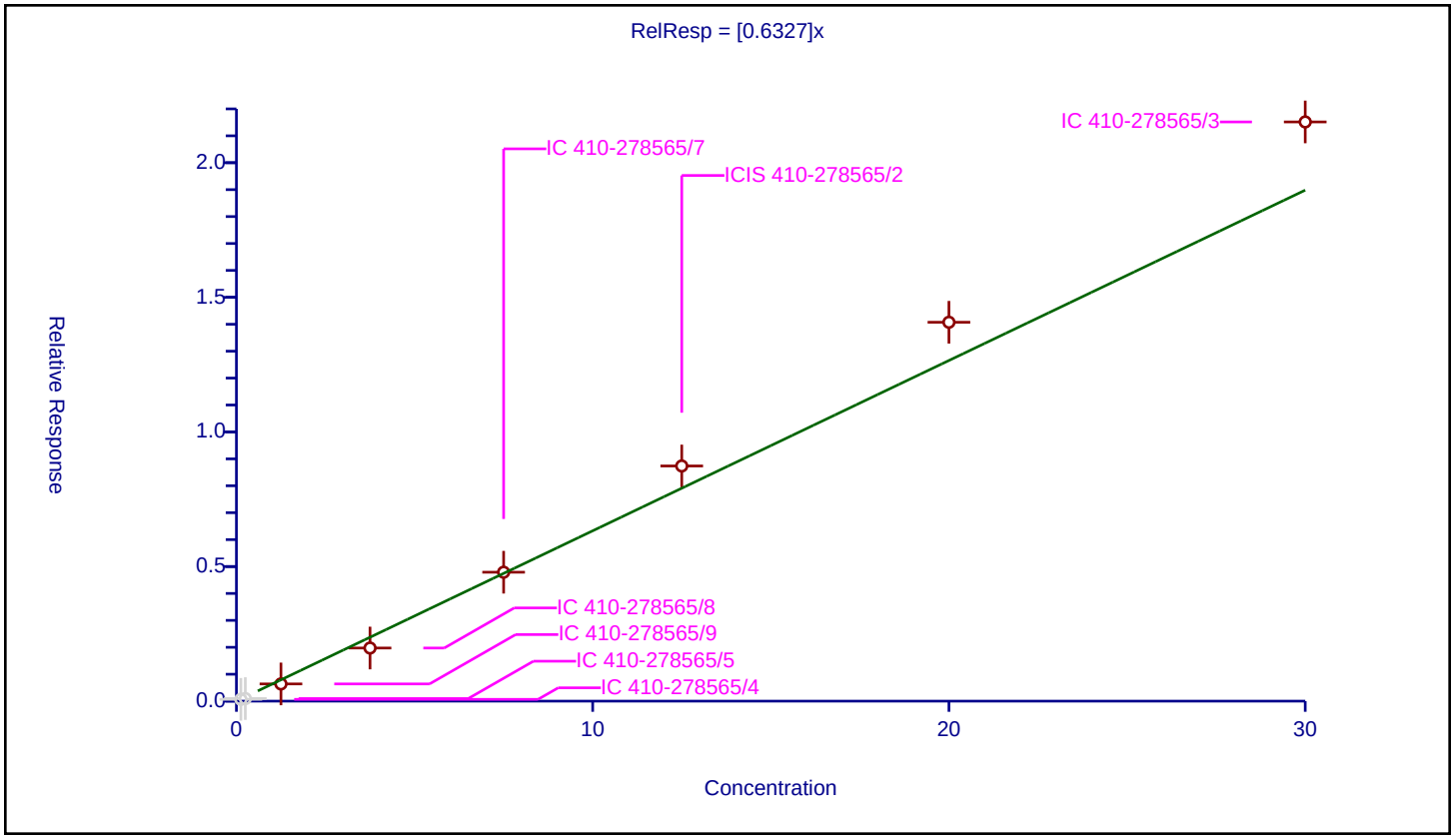
Curve Coefficients

Intercept:	0
Slope:	0.6327

Error Coefficients

Standard Error:	2310000
Relative Standard Error:	14.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.06645	5.0	964190.0	0.531596	N
2	IC 410-278565/5	0.25	0.095268	5.0	960447.0	0.381073	N
3	IC 410-278565/9	1.25	0.639566	5.0	1043122.0	0.511653	Y
4	IC 410-278565/8	3.75	1.973609	5.0	1081597.0	0.526296	Y
5	IC 410-278565/7	7.5	4.789392	5.0	1049962.0	0.638586	Y
6	ICIS 410-278565/2	12.5	8.735459	5.0	918112.0	0.698837	Y
7	IC 410-278565/6	20.0	14.073807	5.0	872534.0	0.70369	Y
8	IC 410-278565/3	30.0	21.515392	5.0	954928.0	0.71718	Y



Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

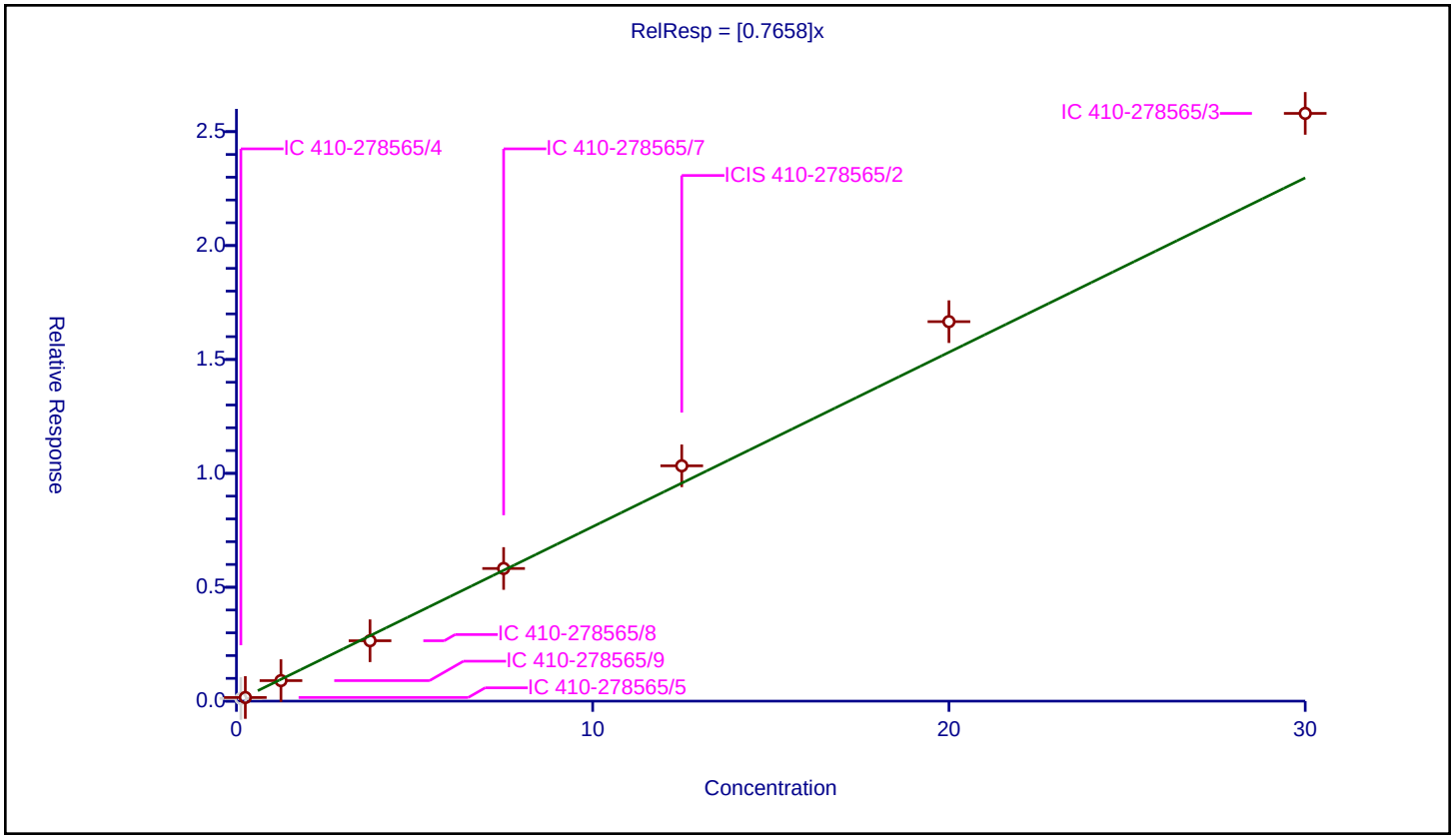
Curve Coefficients

Intercept:	0
Slope:	0.7658

Error Coefficients

Standard Error:	2520000
Relative Standard Error:	10.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.116782	5.0	964190.0	0.934256	N
2	IC 410-278565/5	0.25	0.159046	5.0	960447.0	0.636183	Y
3	IC 410-278565/9	1.25	0.901433	5.0	1043122.0	0.721147	Y
4	IC 410-278565/8	3.75	2.651269	5.0	1081597.0	0.707005	Y
5	IC 410-278565/7	7.5	5.823349	5.0	1049962.0	0.776447	Y
6	ICIS 410-278565/2	12.5	10.330586	5.0	918112.0	0.826447	Y
7	IC 410-278565/6	20.0	16.660606	5.0	872534.0	0.83303	Y
8	IC 410-278565/3	30.0	25.802589	5.0	954928.0	0.860086	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

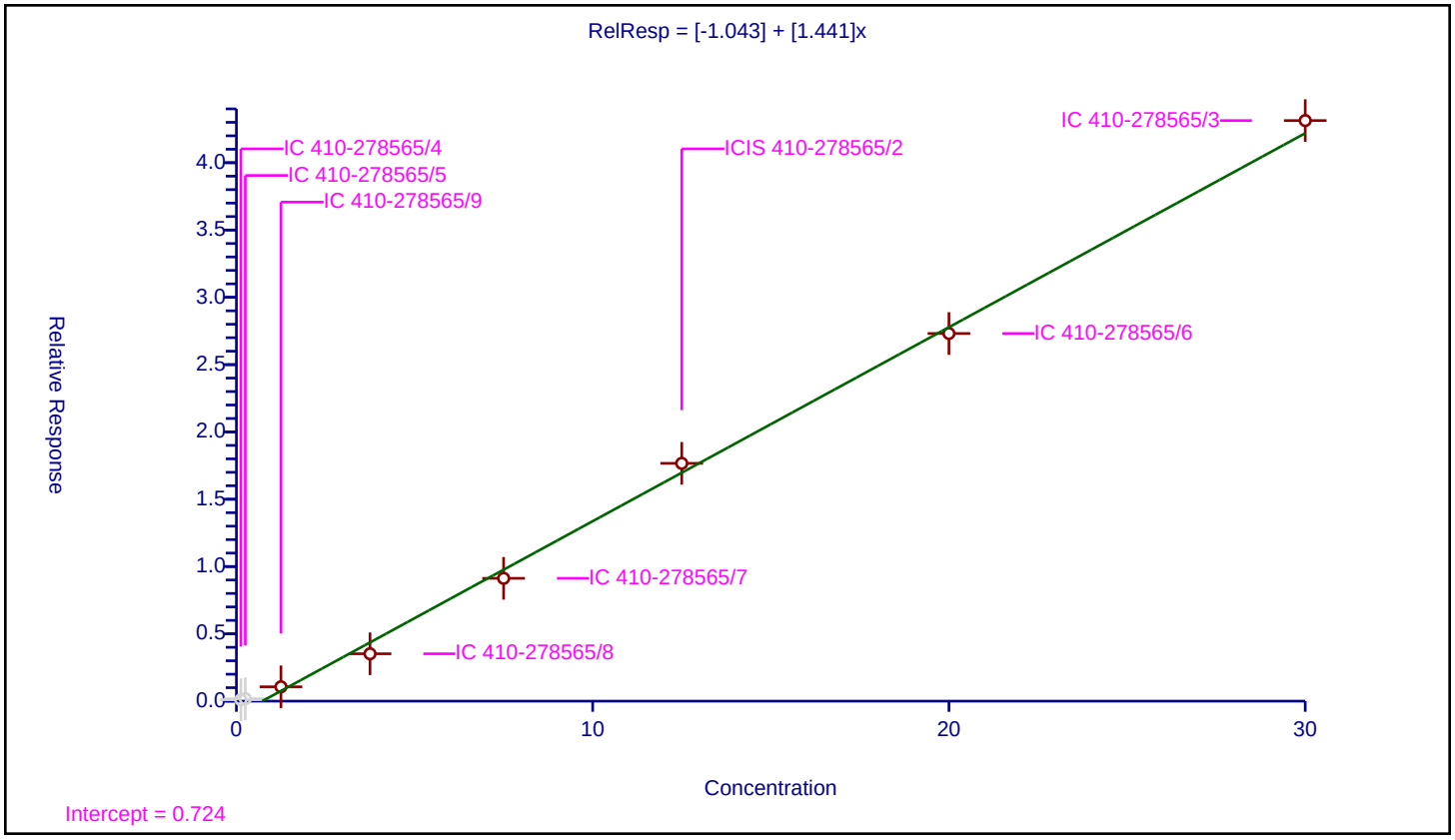
Curve Coefficients

Intercept:	-1.043
Slope:	1.441

Error Coefficients

Standard Error:	4320000
Relative Standard Error:	12.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.103718	5.0	800827.0	0.829742	N
2	IC 410-278565/5	0.25	0.179859	5.0	762625.0	0.719436	N
3	IC 410-278565/9	1.25	1.065227	5.0	828978.0	0.852182	Y
4	IC 410-278565/8	3.75	3.519182	5.0	896778.0	0.938449	Y
5	IC 410-278565/7	7.5	9.124666	5.0	869131.0	1.216622	Y
6	ICIS 410-278565/2	12.5	17.666776	5.0	746120.0	1.413342	Y
7	IC 410-278565/6	20.0	27.314152	5.0	720804.0	1.365708	Y
8	IC 410-278565/3	30.0	43.131598	5.0	812202.0	1.43772	Y



Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

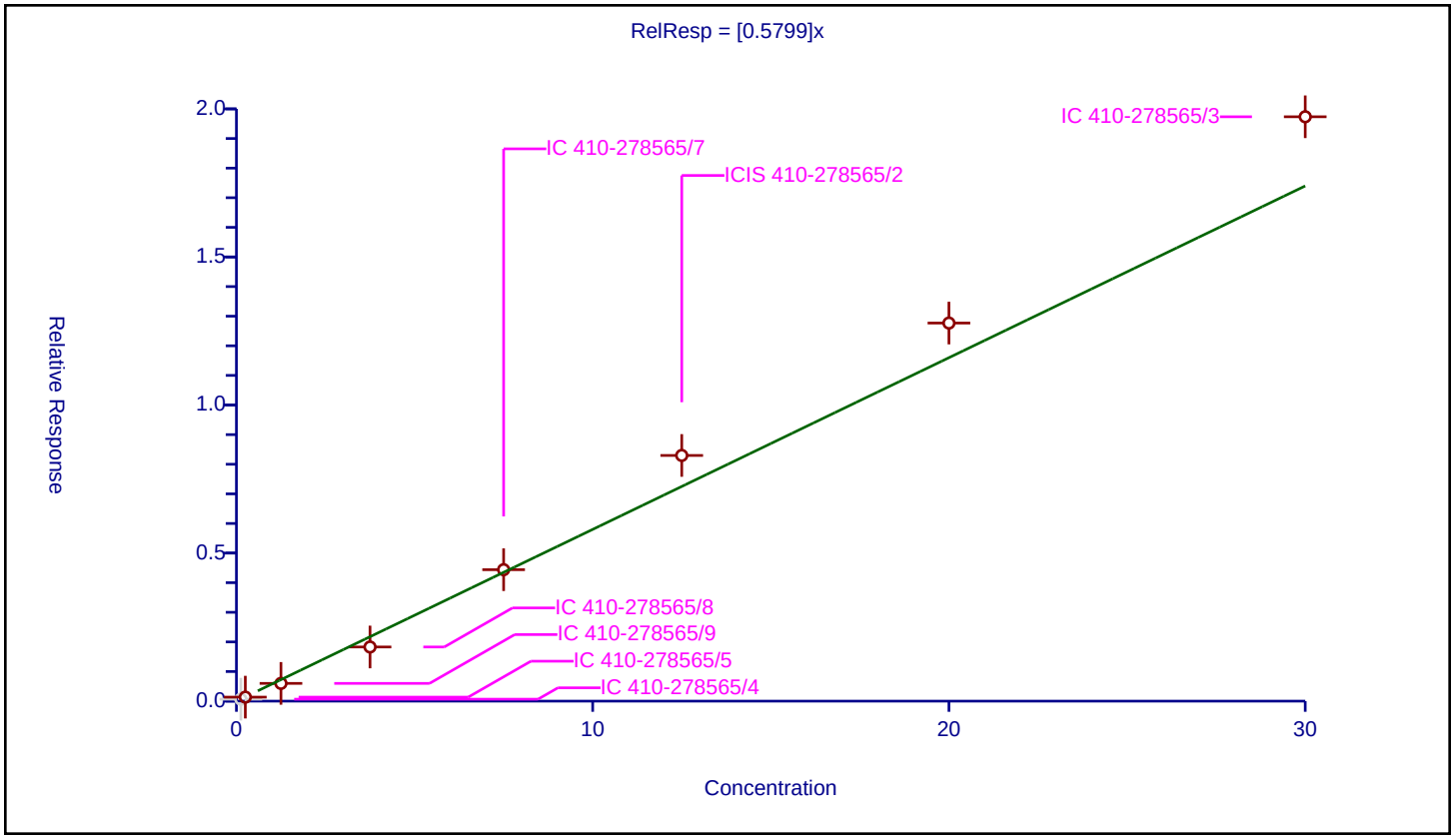
Curve Coefficients

Intercept:	0
Slope:	0.5799

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	13.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.065788	5.0	800827.0	0.526306	N
2	IC 410-278565/5	0.25	0.135198	5.0	762625.0	0.54079	Y
3	IC 410-278565/9	1.25	0.599099	5.0	828978.0	0.479279	Y
4	IC 410-278565/8	3.75	1.828557	5.0	896778.0	0.487615	Y
5	IC 410-278565/7	7.5	4.439072	5.0	869131.0	0.591876	Y
6	ICIS 410-278565/2	12.5	8.296829	5.0	746120.0	0.663746	Y
7	IC 410-278565/6	20.0	12.767666	5.0	720804.0	0.638383	Y
8	IC 410-278565/3	30.0	19.734069	5.0	812202.0	0.657802	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

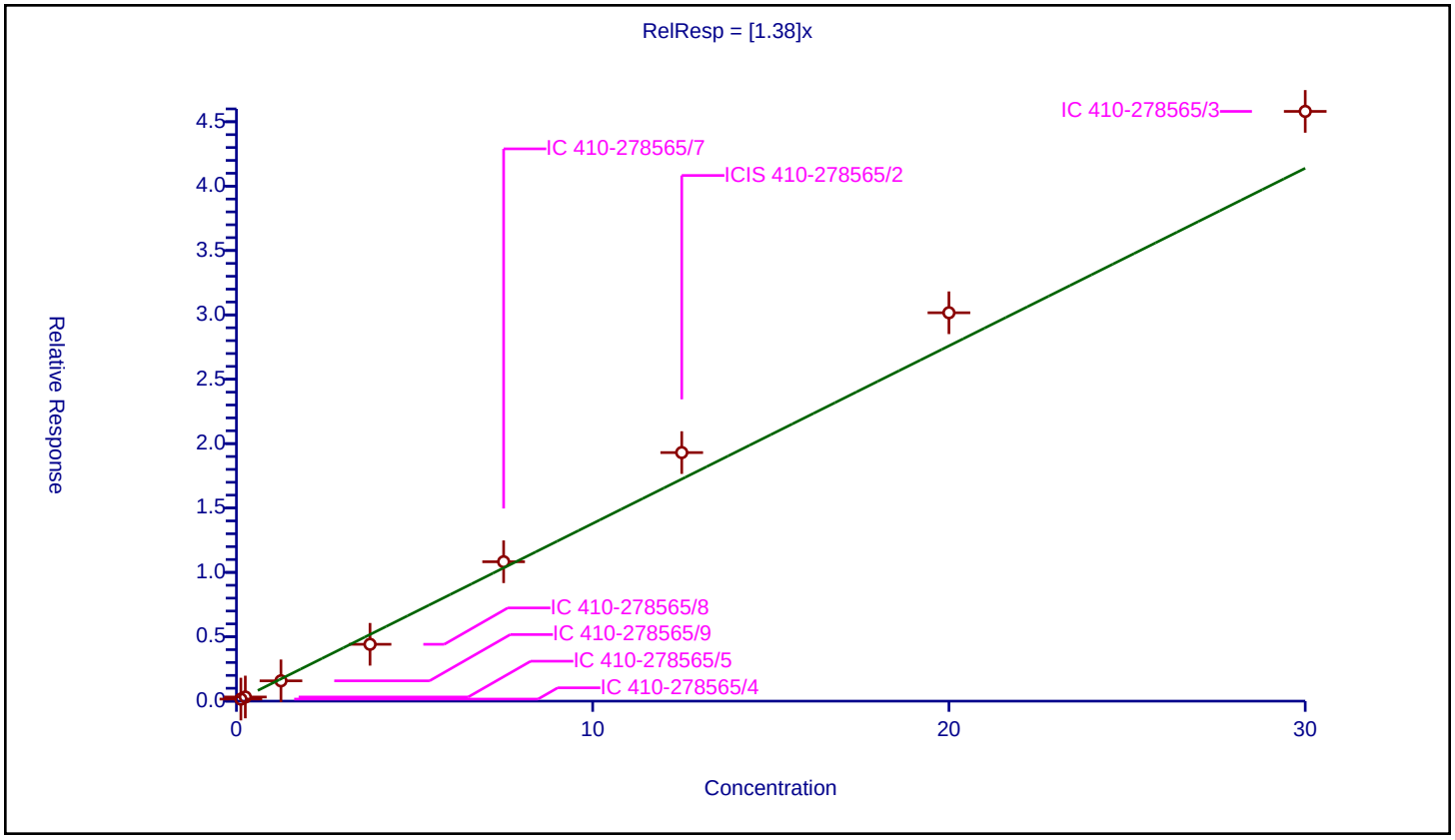
Curve Coefficients

Intercept:	0
Slope:	1.38

Error Coefficients

Standard Error:	3520000
Relative Standard Error:	10.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.16114	5.0	800827.0	1.289117	Y
2	IC 410-278565/5	0.25	0.321692	5.0	762625.0	1.286766	Y
3	IC 410-278565/9	1.25	1.576429	5.0	828978.0	1.261143	Y
4	IC 410-278565/8	3.75	4.415664	5.0	896778.0	1.17751	Y
5	IC 410-278565/7	7.5	10.826694	5.0	869131.0	1.443559	Y
6	ICIS 410-278565/2	12.5	19.305246	5.0	746120.0	1.54442	Y
7	IC 410-278565/6	20.0	30.165822	5.0	720804.0	1.508291	Y
8	IC 410-278565/3	30.0	45.805859	5.0	812202.0	1.526862	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

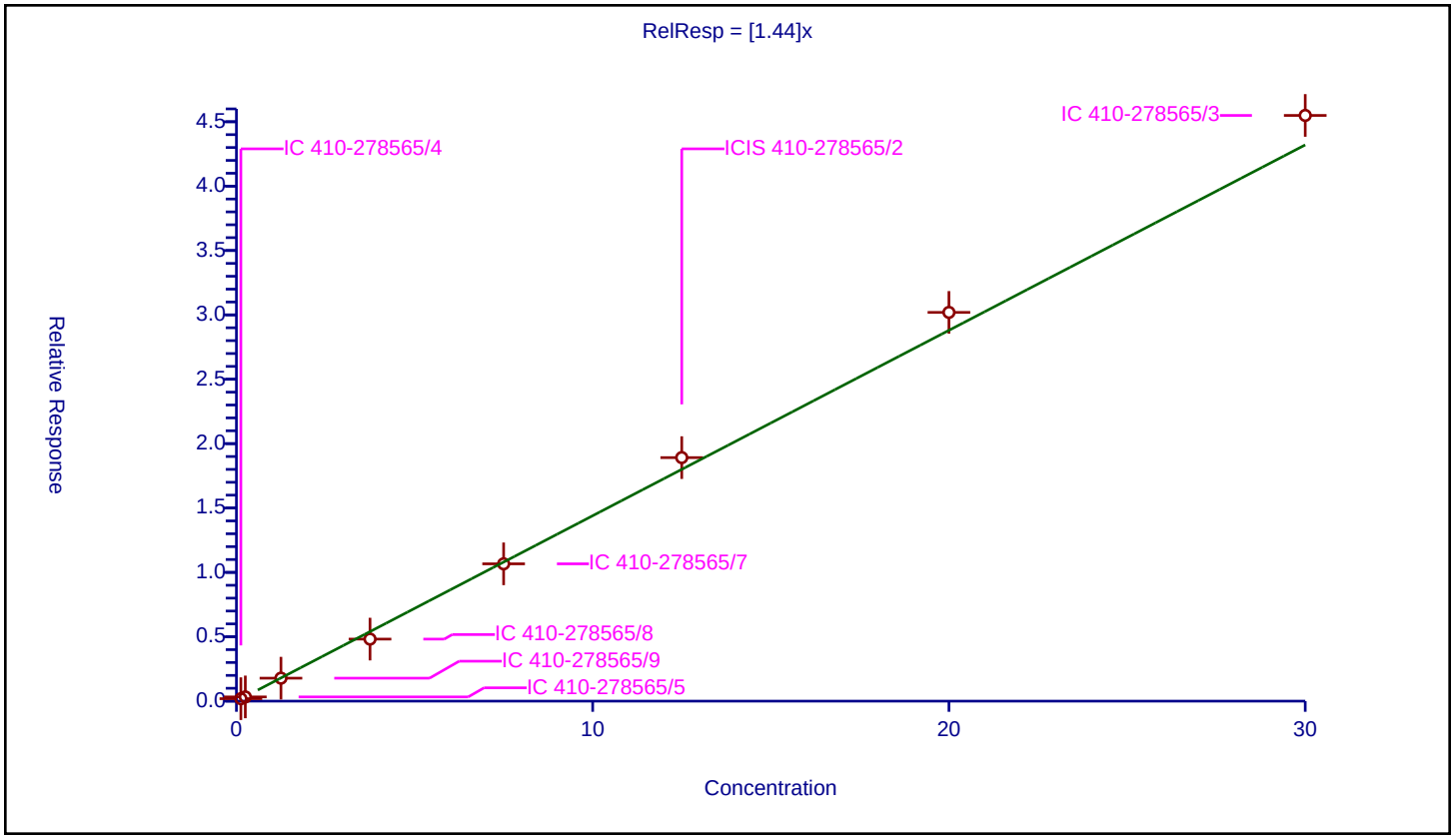
Curve Coefficients

Intercept:	0
Slope:	1.44

Error Coefficients

Standard Error:	3500000
Relative Standard Error:	6.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.191452	5.0	800827.0	1.531617	Y
2	IC 410-278565/5	0.25	0.32872	5.0	762625.0	1.31488	Y
3	IC 410-278565/9	1.25	1.784541	5.0	828978.0	1.427633	Y
4	IC 410-278565/8	3.75	4.819872	5.0	896778.0	1.285299	Y
5	IC 410-278565/7	7.5	10.664865	5.0	869131.0	1.421982	Y
6	ICIS 410-278565/2	12.5	18.915302	5.0	746120.0	1.513224	Y
7	IC 410-278565/6	20.0	30.193638	5.0	720804.0	1.509682	Y
8	IC 410-278565/3	30.0	45.491965	5.0	812202.0	1.516399	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

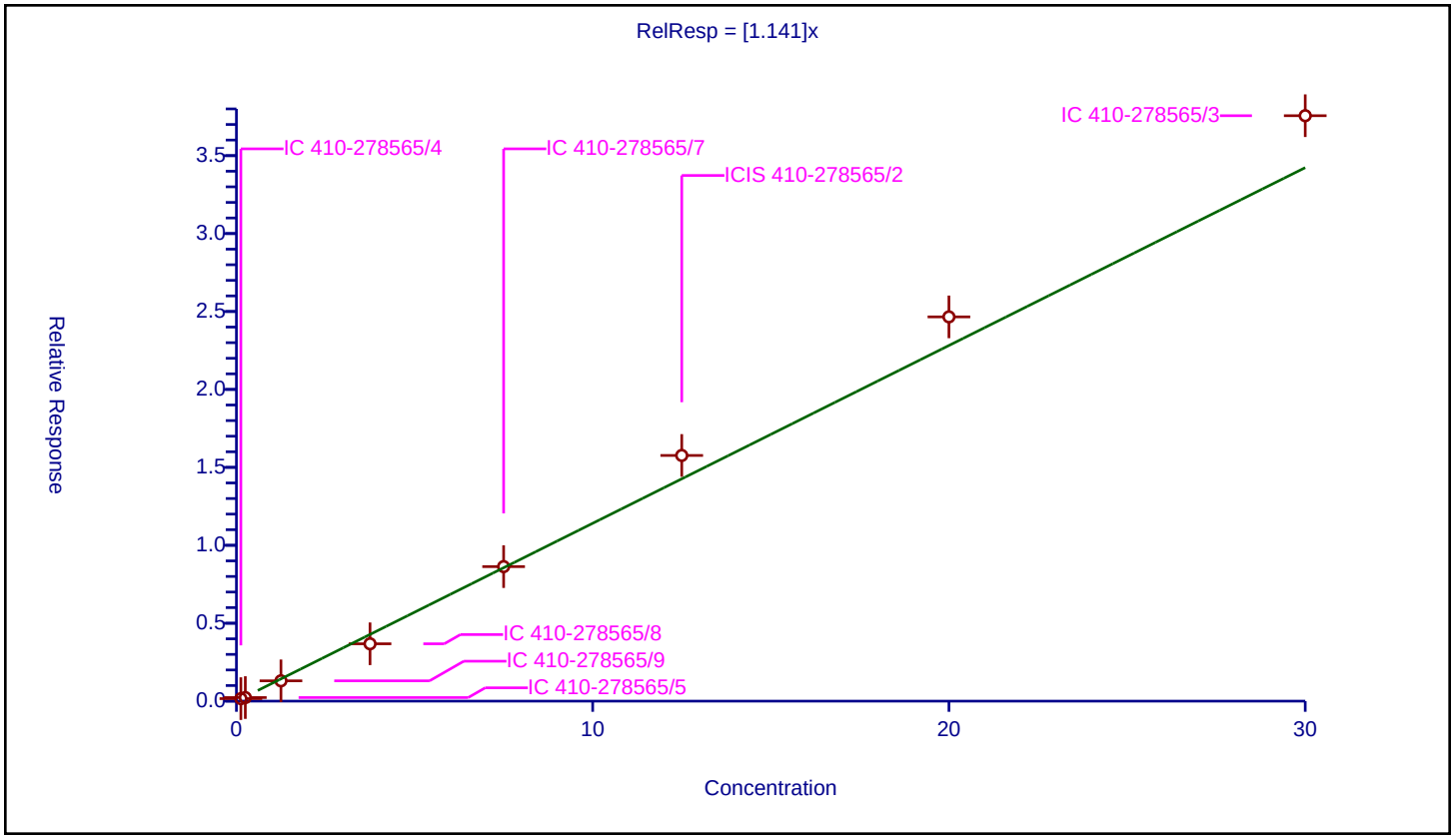
Curve Coefficients

Intercept:	0
Slope:	1.141

Error Coefficients

Standard Error:	2880000
Relative Standard Error:	12.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.161002	5.0	800827.0	1.288019	Y
2	IC 410-278565/5	0.25	0.229818	5.0	762625.0	0.919272	Y
3	IC 410-278565/9	1.25	1.303515	5.0	828978.0	1.042812	Y
4	IC 410-278565/8	3.75	3.6794	5.0	896778.0	0.981173	Y
5	IC 410-278565/7	7.5	8.631231	5.0	869131.0	1.150831	Y
6	ICIS 410-278565/2	12.5	15.763021	5.0	746120.0	1.261042	Y
7	IC 410-278565/6	20.0	24.65551	5.0	720804.0	1.232775	Y
8	IC 410-278565/3	30.0	37.562078	5.0	812202.0	1.252069	Y



Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

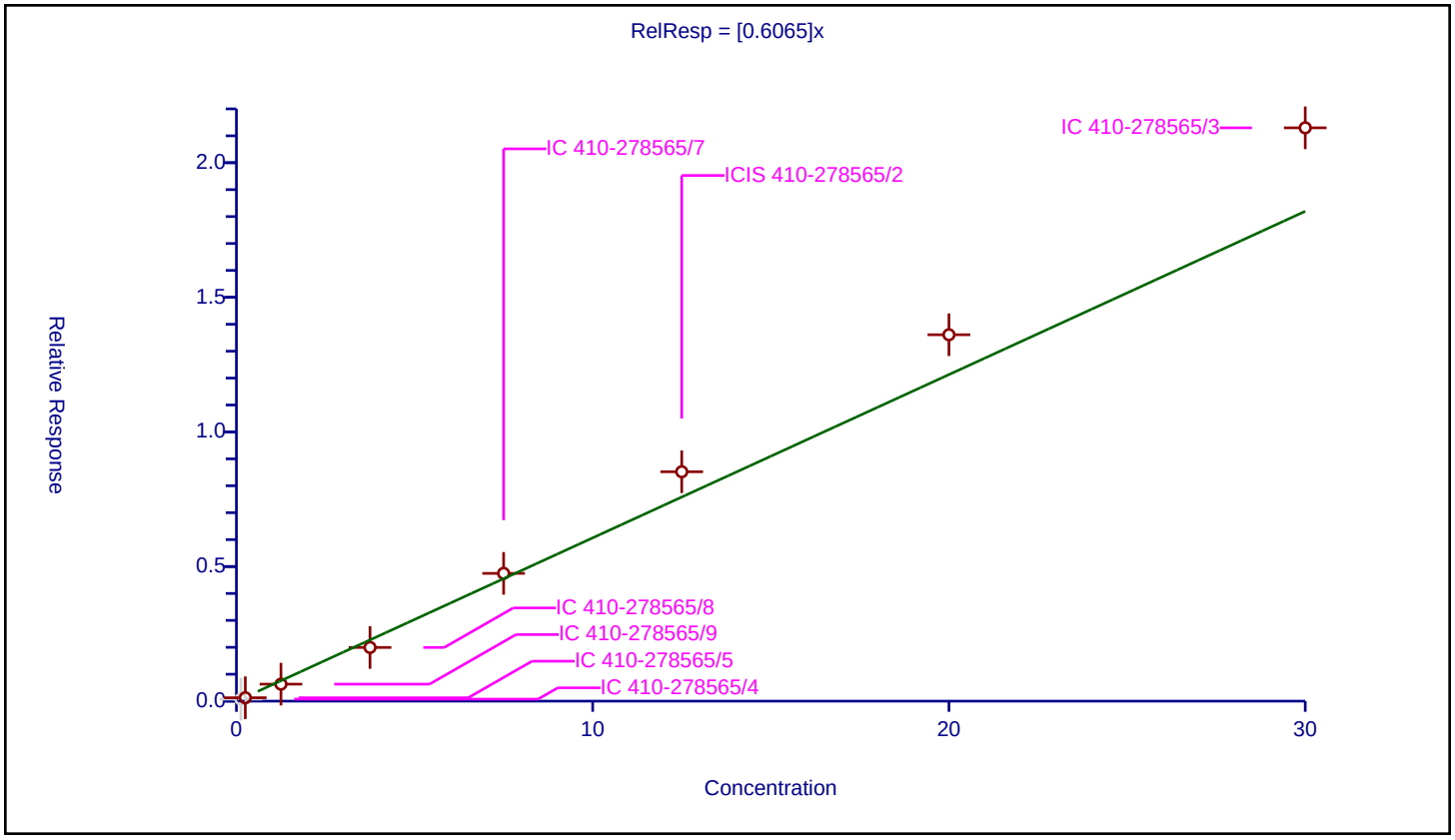
Curve Coefficients

Intercept:	0
Slope:	0.6065

Error Coefficients

Standard Error:	1740000
Relative Standard Error:	14.9
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.074729	5.0	800827.0	0.597832	N
2	IC 410-278565/5	0.25	0.125835	5.0	762625.0	0.50334	Y
3	IC 410-278565/9	1.25	0.631983	5.0	828978.0	0.505586	Y
4	IC 410-278565/8	3.75	1.994106	5.0	896778.0	0.531761	Y
5	IC 410-278565/7	7.5	4.746034	5.0	869131.0	0.632804	Y
6	ICIS 410-278565/2	12.5	8.521283	5.0	746120.0	0.681703	Y
7	IC 410-278565/6	20.0	13.610427	5.0	720804.0	0.680521	Y
8	IC 410-278565/3	30.0	21.297023	5.0	812202.0	0.709901	Y



Calibration / Dibenz[a,h]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

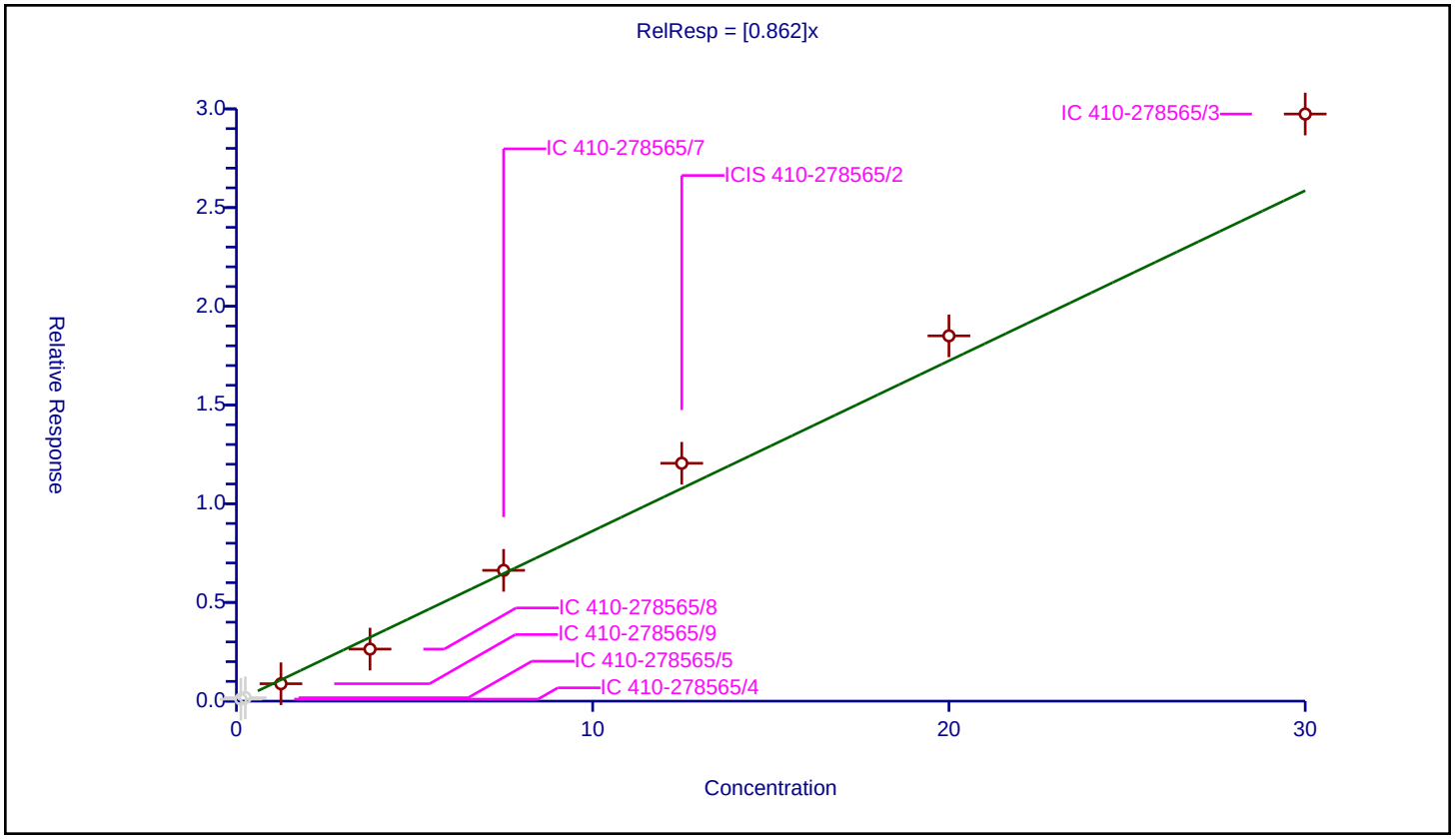
Curve Coefficients

Intercept:	0
Slope:	0.862

Error Coefficients

Standard Error:	2660000
Relative Standard Error:	14.8
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.101189	5.0	800827.0	0.809513	N
2	IC 410-278565/5	0.25	0.175001	5.0	762625.0	0.700003	N
3	IC 410-278565/9	1.25	0.881604	5.0	828978.0	0.705283	Y
4	IC 410-278565/8	3.75	2.636857	5.0	896778.0	0.703162	Y
5	IC 410-278565/7	7.5	6.624243	5.0	869131.0	0.883232	Y
6	ICIS 410-278565/2	12.5	12.049945	5.0	746120.0	0.963996	Y
7	IC 410-278565/6	20.0	18.503567	5.0	720804.0	0.925178	Y
8	IC 410-278565/3	30.0	29.740022	5.0	812202.0	0.991334	Y



Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

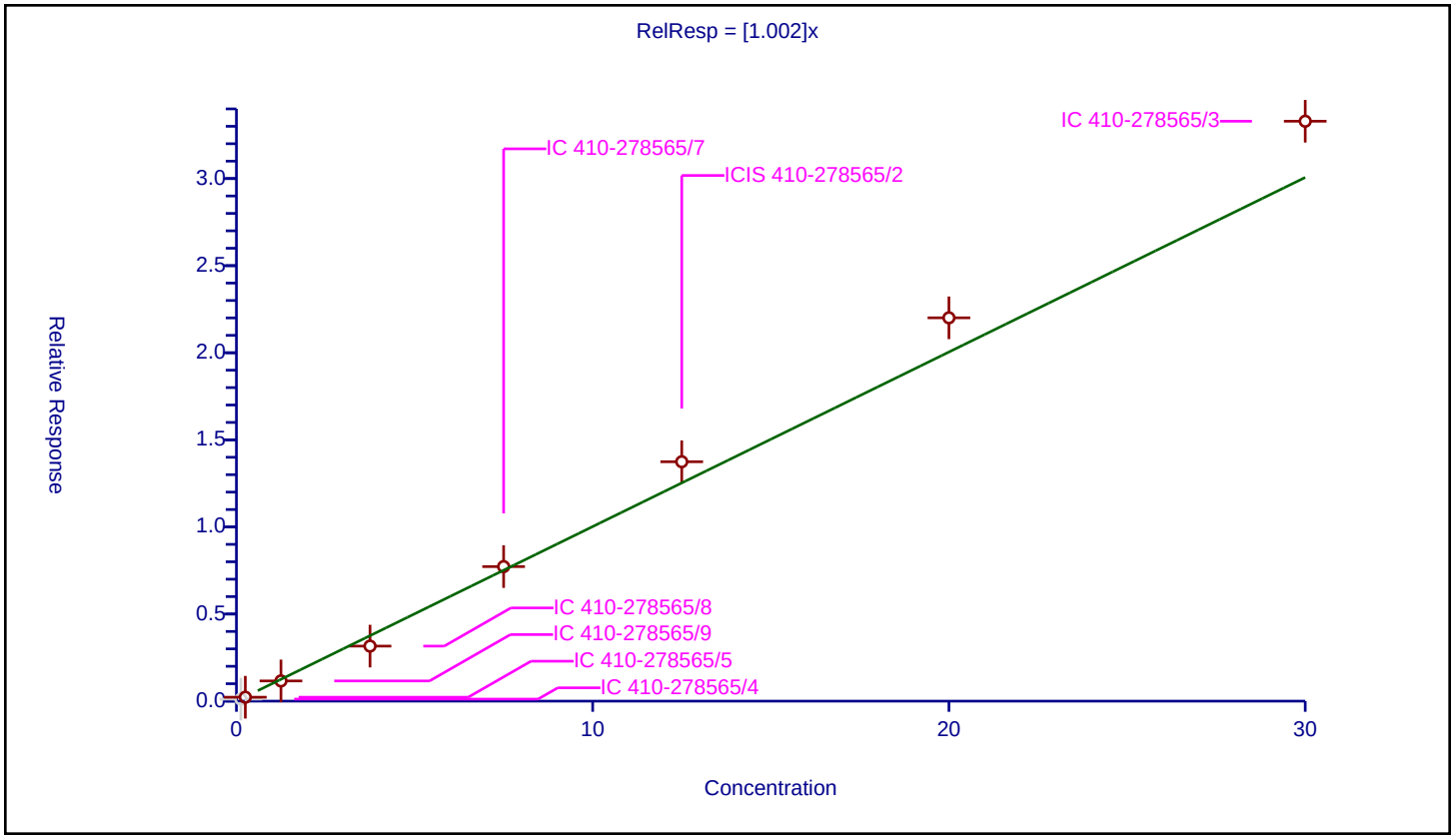
Curve Coefficients

Intercept:	0
Slope:	1.002

Error Coefficients

Standard Error:	2760000
Relative Standard Error:	10.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.11623	5.0	800827.0	0.929839	N
2	IC 410-278565/5	0.25	0.226271	5.0	762625.0	0.905084	Y
3	IC 410-278565/9	1.25	1.159783	5.0	828978.0	0.927827	Y
4	IC 410-278565/8	3.75	3.159991	5.0	896778.0	0.842664	Y
5	IC 410-278565/7	7.5	7.723755	5.0	869131.0	1.029834	Y
6	ICIS 410-278565/2	12.5	13.743506	5.0	746120.0	1.099481	Y
7	IC 410-278565/6	20.0	22.00653	5.0	720804.0	1.100327	Y
8	IC 410-278565/3	30.0	33.292549	5.0	812202.0	1.109752	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

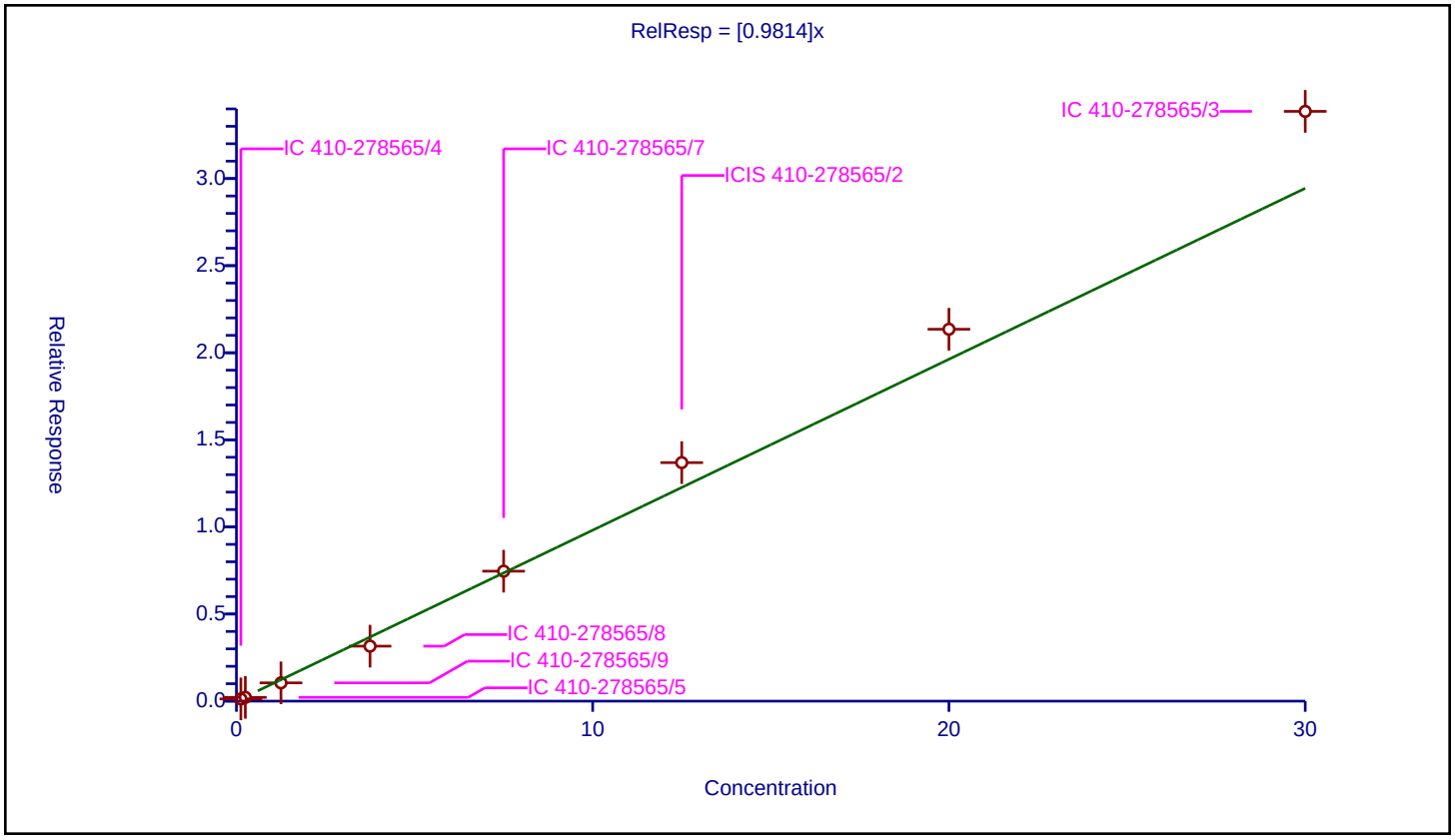
Curve Coefficients

Intercept:	0
Slope:	0.9814

Error Coefficients

Standard Error:	2560000
Relative Standard Error:	12.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.127456	5.0	800827.0	1.019646	Y
2	IC 410-278565/5	0.25	0.215958	5.0	762625.0	0.863832	Y
3	IC 410-278565/9	1.25	1.049473	5.0	828978.0	0.839578	Y
4	IC 410-278565/8	3.75	3.155954	5.0	896778.0	0.841588	Y
5	IC 410-278565/7	7.5	7.460509	5.0	869131.0	0.994735	Y
6	ICIS 410-278565/2	12.5	13.693065	5.0	746120.0	1.095445	Y
7	IC 410-278565/6	20.0	21.350055	5.0	720804.0	1.067503	Y
8	IC 410-278565/3	30.0	33.858277	5.0	812202.0	1.128609	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

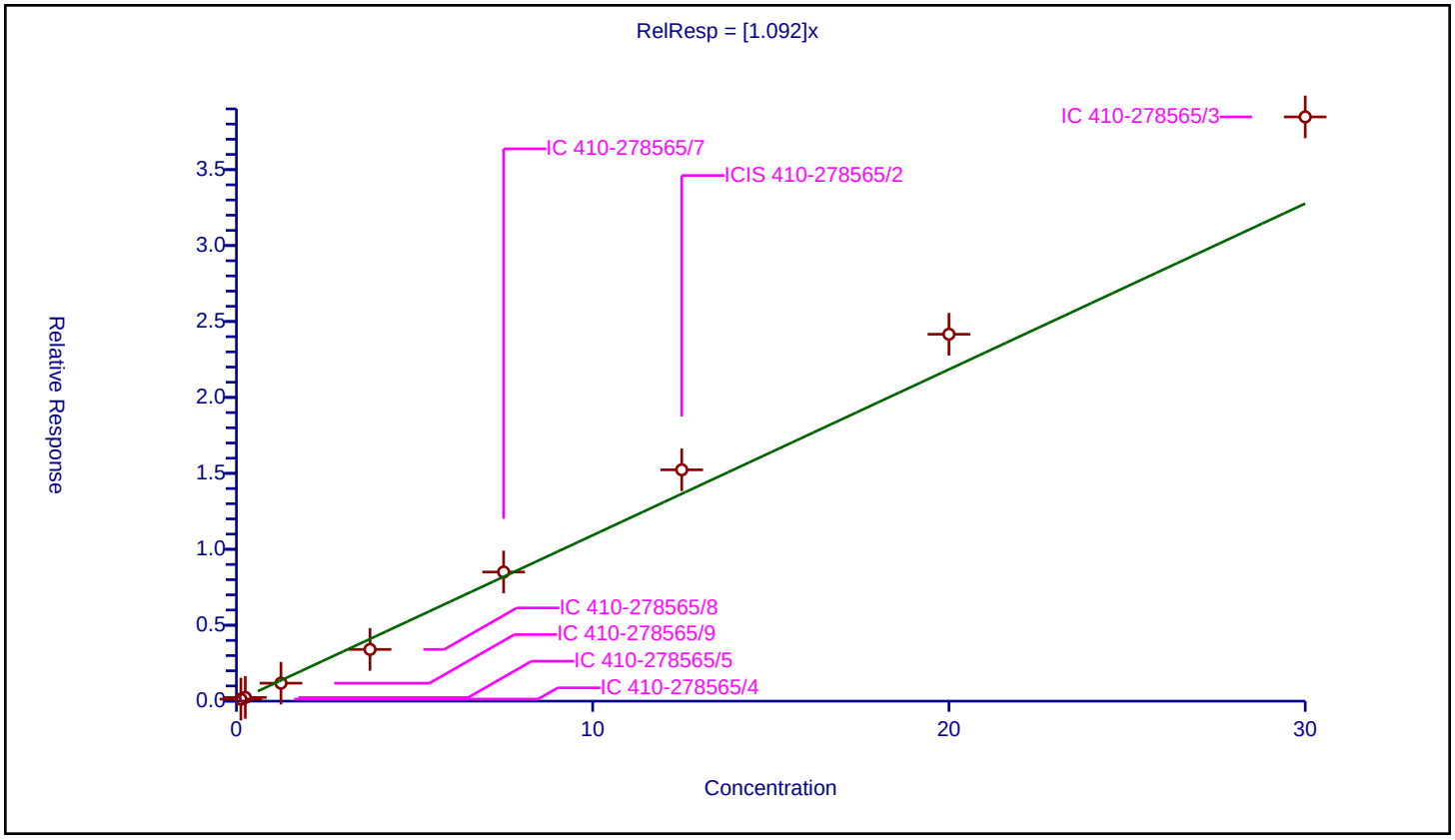
Curve Coefficients

Intercept:	0
Slope:	1.092

Error Coefficients

Standard Error:	2900000
Relative Standard Error:	12.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.133699	5.0	800827.0	1.069594	Y
2	IC 410-278565/5	0.25	0.242636	5.0	762625.0	0.970543	Y
3	IC 410-278565/9	1.25	1.183518	5.0	828978.0	0.946814	Y
4	IC 410-278565/8	3.75	3.404377	5.0	896778.0	0.907834	Y
5	IC 410-278565/7	7.5	8.504472	5.0	869131.0	1.13393	Y
6	ICIS 410-278565/2	12.5	15.234011	5.0	746120.0	1.218721	Y
7	IC 410-278565/6	20.0	24.161124	5.0	720804.0	1.208056	Y
8	IC 410-278565/3	30.0	38.470417	5.0	812202.0	1.282347	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

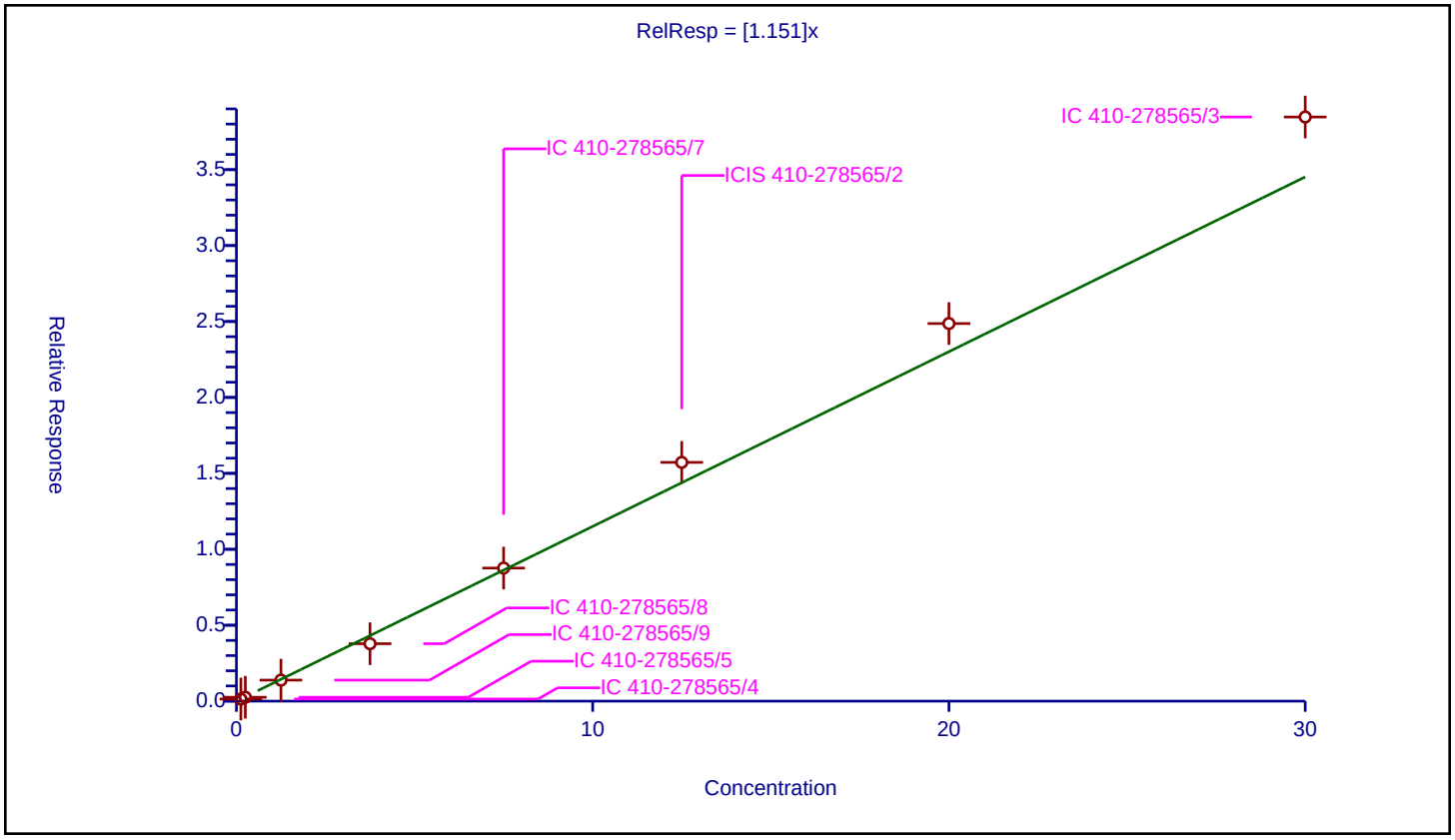
Curve Coefficients

Intercept:	0
Slope:	1.151

Error Coefficients

Standard Error:	2930000
Relative Standard Error:	9.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-278565/4	0.125	0.139731	5.0	800827.0	1.117844	Y
2	IC 410-278565/5	0.25	0.25468	5.0	762625.0	1.018718	Y
3	IC 410-278565/9	1.25	1.385145	5.0	828978.0	1.108116	Y
4	IC 410-278565/8	3.75	3.78287	5.0	896778.0	1.008765	Y
5	IC 410-278565/7	7.5	8.76296	5.0	869131.0	1.168395	Y
6	ICIS 410-278565/2	12.5	15.723436	5.0	746120.0	1.257875	Y
7	IC 410-278565/6	20.0	24.866087	5.0	720804.0	1.243304	Y
8	IC 410-278565/3	30.0	38.465887	5.0	812202.0	1.282196	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: ICV 410-278565/12 Calibration Date: 07/22/2022 17:31

Instrument ID: HP20296 Calib Start Date: 06/28/2022 22:54

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 06/29/2022 00:53

Lab File ID: LG2221.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Indene	Ave	3.220	0.2364			12.5	-92.7*	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2221.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 22-Jul-2022 17:31:51 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Operator ID: apb10206 Instrument ID: HP20296
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 27-Jul-2022 14:38:30 Calib Date: 22-Jul-2022 16:27:33
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: bauera Date: 27-Jul-2022 14:38:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.844	1.839	0.005	93	407811	12.5	10.4	
2 N-Nitrosodimethylamine	74	2.074	2.069	0.005	94	705474	12.5	12.0	
3 Pyridine	79	2.111	2.106	0.005	97	2006890	25.0	20.4	
9 Methyl methanesulfonate	80	3.074	3.069	0.005	85	663780	12.5	11.2	
13 Ethyl methanesulfonate	109	3.737	3.732	0.005	96	498911	12.5	11.6	
17 Phenol	94	4.117	4.117	0.000	98	1314951	12.5	11.6	
18 Aniline	93	4.165	4.165	0.000	96	1595797	12.5	11.6	
19 Bis(2-chloroethyl)ether	93	4.224	4.224	0.000	94	1038157	12.5	11.3	
20 2-Chlorophenol	128	4.277	4.278	-0.001	95	883641	12.5	11.4	
22 1,3-Dichlorobenzene	146	4.427	4.427	0.000	95	1018115	12.5	11.5	
30 Indene	115	4.481	4.465	0.016	52	165836	NC	NC	
* 24 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	97	280552	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.502	4.497	0.005	91	1033845	12.5	11.4	
27 Benzyl alcohol	108	4.604	4.604	0.000	89	643498	12.5	11.3	
29 1,2-Dichlorobenzene	146	4.641	4.641	0.000	94	992463	12.5	11.5	
31 2-Methylphenol	108	4.705	4.705	0.000	98	924386	12.5	12.3	
32 2,2'-oxybis[1-chloropropane]	45	4.743	4.738	0.005	91	1219150	12.5	11.5	
36 4-Methylphenol	108	4.855	4.850	0.005	96	990729	12.5	11.8	
37 N-Nitrosodi-n-propylamine	70	4.866	4.861	0.005	76	940902	12.5	12.0	
35 Acetophenone	105	4.866	4.861	0.005	88	1559970	12.5	12.0	
40 Hexachloroethane	117	4.967	4.968	-0.001	90	439262	12.5	11.5	
42 Nitrobenzene	77	5.026	5.026	0.000	85	1306580	12.5	11.3	
46 Isophorone	82	5.256	5.251	0.005	99	2302419	12.5	11.8	
47 2-Nitrophenol	139	5.331	5.326	0.005	96	396128	12.5	11.6	
48 2,4-Dimethylphenol	107	5.363	5.363	0.000	99	1053230	12.5	11.8	
49 o,o',o''-Triethylphosphorothioat	198	5.438	5.433	0.005	81	588174	12.5	12.7	
51 Bis(2-chloroethoxy)methane	93	5.465	5.460	0.005	97	1350503	12.5	11.9	
52 2,4-Dichlorophenol	162	5.556	5.551	0.005	96	872383	12.5	12.2	
54 1,2,4-Trichlorobenzene	180	5.641	5.636	0.005	92	1001985	12.5	11.7	
* 55 Naphthalene-d8	136	5.695	5.695	0.000	99	1029109	5.00	5.00	
56 Naphthalene	128	5.716	5.716	0.000	99	2709407	12.5	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
57 4-Chloroaniline	127	5.764	5.765	0.000	95	1192606	12.5	11.6	
58 2,6-Dichlorophenol	162	5.770	5.770	0.000	95	884334	12.5	12.0	
59 Hexachloropropene	213	5.802	5.802	0.000	87	772694	12.5	12.8	
60 Hexachlorobutadiene	225	5.834	5.834	0.000	94	688328	12.5	12.3	
66 4-Chloro-3-methylphenol	107	6.219	6.219	0.000	93	910246	12.5	12.4	
67 Safrole, Total	162	6.294	6.294	0.000	87	777601	12.5	12.2	
69 2-Methylnaphthalene	142	6.374	6.374	0.000	91	1850888	12.5	11.9	
70 1-Methylnaphthalene	142	6.470	6.465	0.005	91	1796155	12.5	12.1	
71 Hexachlorocyclopentadiene	237		6.524				ND	ND	U
72 1,2,4,5-Tetrachlorobenzene	216	6.529	6.529	0.000	97	1237191	12.5	11.5	
73 Isosafrole Peak 1	162	6.572	6.567	0.005	89	105661	1.50	1.36	
74 2,4,6-Trichlorophenol	196	6.636	6.636	0.000	92	725869	12.5	11.5	
75 2,4,5-Trichlorophenol	196	6.668	6.668	0.000	94	850454	12.5	12.4	
77 Isosafrole Peak 2	162	6.786	6.786	0.000	91	842981	11.0	10.0	
79 1,1'-Biphenyl	154	6.818	6.818	0.000	95	2492447	12.5	11.7	
80 2-Chloronaphthalene	162	6.834	6.834	0.000	97	1935075	12.5	11.4	
81 1-Chloronaphthalene	162	6.855	6.856	-0.001	98	2012738	12.5	12.5	
82 Phenyl ether	170	6.920	6.920	0.000	91	1440094	12.5	12.2	
83 2-Nitroaniline	138	6.930	6.931	0.000	75	614168	12.5	12.5	
84 1,4-Naphthoquinone	158	7.005	7.000	0.005	84	844310	12.5	12.7	
86 Dimethyl phthalate	163	7.112	7.107	0.005	98	2422802	12.5	11.8	
87 1,3-Dinitrobenzene	168	7.134	7.128	0.006	85	347927	12.5	12.4	
88 2,6-Dinitrotoluene	165	7.166	7.161	0.006	91	511129	12.5	12.1	
90 Acenaphthylene	152	7.230	7.230	0.000	98	3144823	12.5	12.1	
91 3-Nitroaniline	138	7.321	7.316	0.005	90	536570	12.5	12.6	
* 92 Acenaphthene-d10	164	7.364	7.358	0.006	96	699924	5.00	5.00	
93 Acenaphthene	153	7.390	7.390	0.000	97	2137749	12.5	11.8	
94 2,4-Dinitrophenol	184	7.417	7.417	0.000	86	460117	25.0	22.9	
96 4-Nitrophenol	109	7.476	7.471	0.005	94	753894	25.0	23.9	
98 Pentachlorobenzene	250	7.513	7.514	-0.001	98	1101875	12.5	12.4	
99 2,4-Dinitrotoluene	165	7.545	7.540	0.005	91	688126	12.5	12.2	
100 Dibenzofuran	168	7.556	7.556	0.000	97	3015771	12.5	11.8	
102 2,3,4,6-Tetrachlorophenol	232	7.668	7.669	-0.001	71	737706	12.5	12.3	a
104 Diethyl phthalate	149	7.781	7.781	0.000	97	2320118	12.5	11.7	
106 Thionazin	107	7.856	7.856	0.000	77	402516	12.5	13.3	
105 Fluorene	166	7.882	7.877	0.005	92	2553988	12.5	12.0	
108 4-Chlorophenyl phenyl ether	204	7.888	7.888	0.000	90	1406107	12.5	12.1	
109 4-Nitroaniline	138	7.898	7.893	0.005	78	597584	12.5	11.6	
110 4,6-Dinitro-2-methylphenol	198	7.925	7.920	0.005	86	712256	25.0	24.0	
111 N-Nitrosodiphenylamine	169	7.995	7.995	0.000	99	1813970	10.6	10.1	
112 1,2-Diphenylhydrazine	77	8.032	8.032	0.000	98	3128681	12.5	12.0	a
114 Sulfotepp	97	8.150	8.150	0.000	77	493757	12.5	12.4	
115 cis-Diallate	86	8.273	8.273	0.000	73	884739	9.38	9.28	
116 Phorate	75	8.278	8.278	0.000	95	1900007	12.5	13.1	
118 4-Bromophenyl phenyl ether	248	8.348	8.348	0.000	68	812329	12.5	11.7	
119 trans-Diallate	86	8.358	8.353	0.005	93	323885	3.13	3.48	
120 Hexachlorobenzene	284	8.396	8.396	0.000	95	867610	12.5	11.2	
121 Dimethoate	87	8.439	8.433	0.006	96	1029133	12.5	12.4	a
123 Pentachlorophenol	266	8.583	8.583	0.000	94	1054556	25.0	23.5	
128 Dinoseb	211	8.765	8.760	0.005	96	521318	12.5	12.0	
* 127 Phenanthrene-d10	188	8.770	8.765	0.005	98	1505685	5.00	5.00	
68 Disulfoton	88	8.776	8.776	0.000	96	1723009	12.5	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
129 Phenanthrene	178	8.792	8.792	0.000	98	3928766	12.5	11.6	
130 Anthracene	178	8.840	8.840	0.000	98	3996148	12.5	11.7	
131 Carbazole	167	8.990	8.990	0.000	96	3519944	12.5	11.6	
132 Methyl parathion	109	9.129	9.129	0.000	93	816106	12.5	13.2	
133 Di-n-butyl phthalate	149	9.337	9.337	0.000	100	4058979	12.5	12.1	
134 Ethyl Parathion	109	9.503	9.503	0.000	85	516142	12.5	12.8	
S 63 Diallate	86				0		12.5	12.8	
136 Octachlorostyrene	308	9.738	9.739	-0.001	92	353467	12.5	11.4	
138 Fluoranthene	202	9.920	9.920	0.000	98	4718028	12.5	11.9	
139 Benzidine	184	10.054	10.054	0.000	99	2625787	12.5	10.8	
* 140 Pyrene-d10 (IS)	212	10.118	10.118	0.000	96	1640726	5.00	5.00	
141 Pyrene	202	10.134	10.134	0.000	97	4976929	12.5	12.1	
144 Chlorobenzilate	139	10.487	10.487	0.000	95	1243725	12.5	12.8	
146 Butyl benzyl phthalate	149	10.808	10.808	0.000	96	1859775	12.5	13.1	
148 3,3'-Dichlorobenzidine	252	11.391	11.386	0.005	72	1866260	12.5	12.5	
149 Benzo[a]anthracene	228	11.412	11.407	0.005	97	5023857	12.5	12.7	
151 Chrysene	228	11.455	11.450	0.005	95	4692072	12.5	12.0	
152 Bis(2-ethylhexyl) phthalate	149	11.487	11.488	-0.001	97	2639941	12.5	12.7	
153 6-Methylchrysene	242	12.022	12.017	0.005	97	3180145	12.5	12.7	
154 Di-n-octyl phthalate	149	12.348	12.349	-0.001	99	4156452	12.5	11.4	
156 7,12-Dimethylbenz(a)anthracene	256	12.808	12.809	-0.001	76	2075717	12.5	13.3	
155 Benzo[b]fluoranthene	252	12.814	12.809	0.005	95	4594024	12.5	12.4	
157 Benzo[k]fluoranthene	252	12.851	12.846	0.005	98	4786003	12.5	12.3	
158 Benzo[a]pyrene	252	13.268	13.263	0.005	76	4084745	12.5	13.3	
* 159 Perylene-d12	264	13.349	13.344	0.005	98	1345549	5.00	5.00	
160 3-Methylcholanthrene	268	13.787	13.782	0.005	90	2105968	12.5	12.9	
162 Dibenz[a,j]acridine	279	14.600	14.675	-0.075	95	3131862	12.5	11.6	
163 Indeno[1,2,3-cd]pyrene	276	14.959	14.953	0.006	97	3370333	12.5	12.8	
164 Dibenz(a,h)anthracene	278	15.007	15.002	0.005	92	3687632	12.5	12.5	
165 Benzo[g,h,i]perylene	276	15.408	15.397	0.011	97	3753263	12.5	12.1	
S 166 Isosafrole	162				0		12.5	11.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00016 Amount Added: 1.00 Units: mL

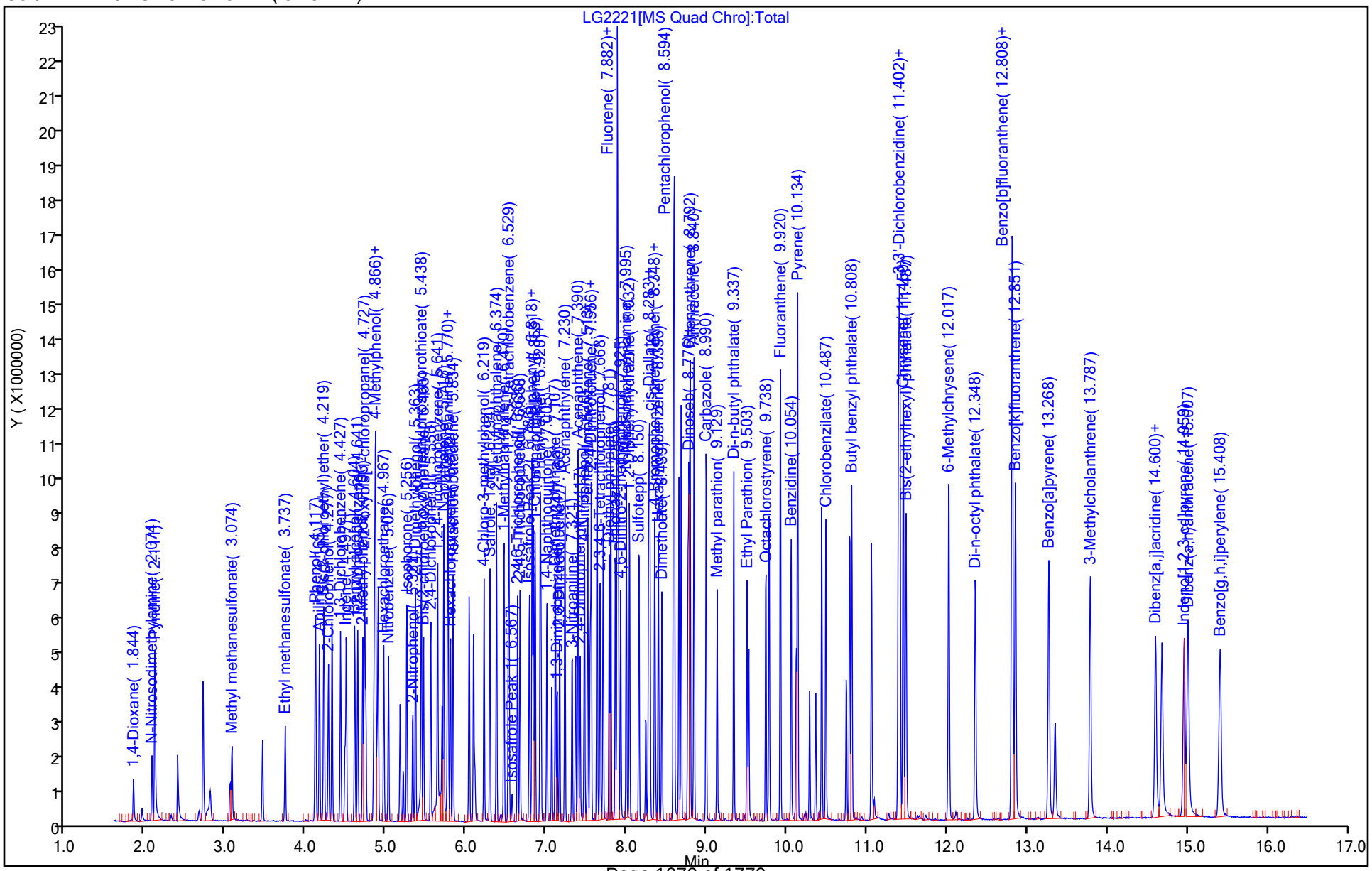
Report Date: 27-Jul-2022 14:38:31 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2221.D

Injection Date:	22-Jul-2022 17:31:51	Instrument ID:	HP20296	Operator ID:	apb10206
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: ICV 410-278565/12 Calibration Date: 07/22/2022 17:31

Instrument ID: HP20296 Calib Start Date: 07/22/2022 13:57

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 07/22/2022 16:27

Lab File ID: LG2221.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6995	0.5814		10.0	12.5	-16.9	30.0
N-Nitrosodimethylamine	Ave	1.052	1.006		12.0	12.5	-4.4	30.0
Pyridine	Ave	1.757	1.431		20.0	25.0	-18.6	30.0
Methyl methanesulfonate	Ave	1.053	0.9464		11.0	12.5	-10.1	30.0
Ethyl methanesulfonate	Ave	0.7634	0.7113		12.0	12.5	-6.8	30.0
Phenol	Ave	2.014	1.875	0.8000	12.0	12.5	-6.9	30.0
Aniline	Ave	2.458	2.275		12.0	12.5	-7.4	30.0
Bis(2-chloroethyl)ether	Ave	1.636	1.480	0.7000	11.0	12.5	-9.5	30.0
2-Chlorophenol	Ave	1.377	1.260	0.8000	11.0	12.5	-8.5	30.0
1,3-Dichlorobenzene	Ave	1.579	1.452		11.0	12.5	-8.1	30.0
1,4-Dichlorobenzene	Ave	1.620	1.474		11.0	12.5	-9.0	30.0
Benzyl alcohol	Ave	1.012	0.9175		11.0	12.5	-9.3	30.0
1,2-Dichlorobenzene	Ave	1.535	1.415		12.0	12.5	-7.8	30.0
2-Methylphenol	Ave	1.339	1.318	0.7000	12.0	12.5	-1.6	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.887	1.738	0.0100	12.0	12.5	-7.9	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.498	1.413	0.6000	12.0	12.5	-5.7	30.0
Acetophenone	Ave	2.322	2.224	0.0100	12.0	12.5	-4.2	30.0
N-Nitrosodi-n-propylamine	Ave	1.393	1.342	0.5000	12.0	12.5	-3.7	30.0
Hexachloroethane	Ave	0.6820	0.6263	0.3000	11.0	12.5	-8.2	30.0
Nitrobenzene	Ave	0.5602	0.5078	0.2000	11.0	12.5	-9.3	30.0
Isophorone	Ave	0.9485	0.8949	0.4000	12.0	12.5	-5.6	30.0
2-Nitrophenol	Ave	0.1654	0.1540	0.1000	12.0	12.5	-6.9	30.0
2,4-Dimethylphenol	Ave	0.4347	0.4094	0.2000	12.0	12.5	-5.8	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.2258	0.2286		13.0	12.5	1.2	30.0
Bis(2-chloroethoxy)methane	Ave	0.5518	0.5249	0.3000	12.0	12.5	-4.9	30.0
2,4-Dichlorophenol	Ave	0.3465	0.3391	0.2000	12.0	12.5	-2.1	30.0
1,2,4-Trichlorobenzene	Ave	0.4174	0.3895		12.0	12.5	-6.7	30.0
Naphthalene	Ave	1.144	1.053	0.7000	12.0	12.5	-8.0	30.0
4-Chloroaniline	Ave	0.5000	0.4635	0.0100	12.0	12.5	-7.3	30.0
2,6-Dichlorophenol	Ave	0.3575	0.3437		12.0	12.5	-3.8	30.0
Hexachloropropene	Ave	0.2937	0.3003		13.0	12.5	2.3	30.0
Hexachlorobutadiene	Ave	0.2718	0.2675	0.0100	12.0	12.5	-1.6	30.0
4-Chloro-3-methylphenol	Ave	0.3572	0.3538	0.2000	12.0	12.5	-1.0	30.0
Safrole, Total	Ave	0.3107	0.3022		12.0	12.5	-2.7	30.0
2-Methylnaphthalene	Ave	0.7579	0.7194	0.4000	12.0	12.5	-5.1	30.0
1-Methylnaphthalene	Ave	0.7211	0.6981		12.0	12.5	-3.2	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7666	0.7070	0.0100	12.0	12.5	-7.8	30.0
Isosafrole Peak 1	Ave	0.5544	0.5032		1.40	1.50	-9.2	30.0
2,4,6-Trichlorophenol	Ave	0.4502	0.4148	0.2000	12.0	12.5	-7.9	30.0
2,4,5-Trichlorophenol	Ave	0.4894	0.4860	0.2000	12.0	12.5	-0.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: ICV 410-278565/12 Calibration Date: 07/22/2022 17:31

Instrument ID: HP20296 Calib Start Date: 07/22/2022 13:57

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 07/22/2022 16:27

Lab File ID: LG2221.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isosafrole Peak 2	Ave	0.6022	0.5474		10.0	11.0	-9.1	30.0
1,1'-Biphenyl	Ave	1.525	1.424	0.0100	12.0	12.5	-6.6	30.0
2-Chloronaphthalene	Ave	1.214	1.106	0.8000	11.0	12.5	-8.9	30.0
1-Chloronaphthalene	Ave	1.149	1.150		13.0	12.5	0.0	30.0
Diphenyl ether	Ave	0.8421	0.8230		12.0	12.5	-2.3	30.0
2-Nitroaniline	Ave	0.3503	0.3510	0.0100	13.0	12.5	0.2	30.0
1,4-Naphthoquinone	Ave	0.4742	0.4825		13.0	12.5	1.8	30.0
Dimethyl phthalate	Ave	1.469	1.385	0.0100	12.0	12.5	-5.8	30.0
1,3-Dinitrobenzene	Ave	0.2001	0.1988		12.0	12.5	-0.6	30.0
2,6-Dinitrotoluene	Ave	0.3012	0.2921	0.2000	12.0	12.5	-3.0	30.0
Acenaphthylene	Ave	1.855	1.797	0.9000	12.0	12.5	-3.1	30.0
3-Nitroaniline	Ave	0.3032	0.3066	0.0100	13.0	12.5	1.1	30.0
Acenaphthene	Ave	1.300	1.222	0.9000	12.0	12.5	-6.0	30.0
2,4-Dinitrophenol	Lin1		0.1315	0.0100	23.0	25.0	-8.3	30.0
4-Nitrophenol	Ave	0.2249	0.2154	0.0100	24.0	25.0	-4.2	30.0
Pentachlorobenzene	Ave	0.6349	0.6297		12.0	12.5	-0.8	30.0
2,4-Dinitrotoluene	Ave	0.4045	0.3933	0.2000	12.0	12.5	-2.8	30.0
Dibenzofuran	Ave	1.829	1.723	0.8000	12.0	12.5	-5.8	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.4283	0.4216	0.0100	12.0	12.5	-1.6	30.0
Diethyl phthalate	Ave	1.420	1.326	0.0100	12.0	12.5	-6.6	30.0
Thionazin	Ave	0.2165	0.2300		13.0	12.5	6.3	30.0
Fluorene	Ave	1.524	1.460	0.9000	12.0	12.5	-4.2	30.0
4-Chlorophenyl-phenyl ether	Ave	0.8332	0.8036	0.4000	12.0	12.5	-3.6	30.0
4-Nitroaniline	Ave	0.3673	0.3415	0.0100	12.0	12.5	-7.0	30.0
4,6-Dinitro-2-methylphenol	Lin1		0.0946	0.0100	24.0	25.0	-3.9	30.0
N-Nitrosodiphenylamine	Ave	0.5956	0.5669	0.0100	10.0	10.6	-4.8	30.0
1,2-Diphenylhydrazine	Ave	0.8681	0.8312		12.0	12.5	-4.3	30.0
Sulfotepp	Ave	0.1324	0.1312		12.0	12.5	-0.9	30.0
cis-Diallate	Ave	0.3165	0.3134		9.30	9.38	-1.0	30.0
Phorate	Ave	0.4822	0.5048		13.0	12.5	4.7	30.0
4-Bromophenyl-phenylether	Ave	0.2309	0.2158	0.1000	12.0	12.5	-6.5	30.0
trans-Diallate	Ave	0.3093	0.3442		3.50	3.13	11.3	30.0
Hexachlorobenzene	Ave	0.2581	0.2305	0.1000	11.0	12.5	-10.7	30.0
Dimethoate	Ave	0.2748	0.2734		12.0	12.5	-0.5	30.0
Pentachlorophenol	Ave	0.1488	0.1401	0.0500	24.0	25.0	-5.8	30.0
Dinoseb	Lin1		0.1385		12.0	12.5	-3.8	30.0
Disulfoton	Ave	0.4993	0.4577		11.0	12.5	-8.3	30.0
Phenanthrene	Ave	1.122	1.044	0.7000	12.0	12.5	-7.0	30.0
Anthracene	Ave	1.139	1.062	0.7000	12.0	12.5	-6.8	30.0
Carbazole	Ave	1.007	0.9351	0.0100	12.0	12.5	-7.2	30.0
Methyl parathion	Ave	0.2046	0.2168		13.0	12.5	6.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: ICV 410-278565/12 Calibration Date: 07/22/2022 17:31

Instrument ID: HP20296 Calib Start Date: 07/22/2022 13:57

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 07/22/2022 16:27

Lab File ID: LG2221.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-butyl phthalate	Ave	1.116	1.078	0.0100	12.0	12.5	-3.4	30.0
Parathion	Ave	0.1334	0.1371		13.0	12.5	2.8	30.0
Octachlorostyrene	Ave	0.1033	0.0939		11.0	12.5	-9.1	30.0
Fluoranthene	Ave	1.314	1.253	0.6000	12.0	12.5	-4.6	30.0
Benzidine	Ave	0.7423	0.6402		11.0	12.5	-13.8	30.0
Pyrene	Ave	1.251	1.213	0.6000	12.0	12.5	-3.0	30.0
Chlorobenzilate	Ave	0.2952	0.3032		13.0	12.5	2.7	30.0
Butylbenzylphthalate	Ave	0.4317	0.4534	0.0100	13.0	12.5	5.0	30.0
3,3'-Dichlorobenzidine	Ave	0.4546	0.4550	0.0100	13.0	12.5	0.0	30.0
Benzo[a]anthracene	Ave	1.210	1.225	0.8000	13.0	12.5	1.3	30.0
Chrysene	Ave	1.192	1.144	0.7000	12.0	12.5	-4.0	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6327	0.6436	0.0100	13.0	12.5	1.7	30.0
6-Methylchrysene	Ave	0.7658	0.7753		13.0	12.5	1.2	30.0
Di-n-octyl phthalate	Lin1		1.236	0.0100	11.0	12.5	-8.5	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5799	0.6171		13.0	12.5	6.4	30.0
Benzo[b]fluoranthene	Ave	1.380	1.366	0.7000	12.0	12.5	-1.0	30.0
Benzo[k]fluoranthene	Ave	1.440	1.423	0.7000	12.0	12.5	-1.2	30.0
Benzo[a]pyrene	Ave	1.141	1.214	0.7000	13.0	12.5	6.4	30.0
3-Methylcholanthrene	Ave	0.6065	0.6261		13.0	12.5	3.2	30.0
Dibenz[a,j]acridine	Ave	1.002	0.9310		12.0	12.5	-7.1	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9814	1.002	0.5000	13.0	12.5	2.1	30.0
Dibenz(a,h)anthracene	Ave	1.092	1.096	0.4000	13.0	12.5	0.4	30.0
Benzo[g,h,i]perylene	Ave	1.151	1.116	0.5000	12.0	12.5	-3.0	30.0
Hexachlorocyclopentadiene	Ave	0.4960	0.3529	0.0500		12.5		30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2221.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 22-Jul-2022 17:31:51 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Operator ID: apb10206 Instrument ID: HP20296
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 27-Jul-2022 14:38:30 Calib Date: 22-Jul-2022 16:27:33
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: bauera Date: 27-Jul-2022 14:38:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.844	1.839	0.005	93	407811	12.5	10.4	
2 N-Nitrosodimethylamine	74	2.074	2.069	0.005	94	705474	12.5	12.0	
3 Pyridine	79	2.111	2.106	0.005	97	2006890	25.0	20.4	
9 Methyl methanesulfonate	80	3.074	3.069	0.005	85	663780	12.5	11.2	
13 Ethyl methanesulfonate	109	3.737	3.732	0.005	96	498911	12.5	11.6	
17 Phenol	94	4.117	4.117	0.000	98	1314951	12.5	11.6	
18 Aniline	93	4.165	4.165	0.000	96	1595797	12.5	11.6	
19 Bis(2-chloroethyl)ether	93	4.224	4.224	0.000	94	1038157	12.5	11.3	
20 2-Chlorophenol	128	4.277	4.278	-0.001	95	883641	12.5	11.4	
22 1,3-Dichlorobenzene	146	4.427	4.427	0.000	95	1018115	12.5	11.5	
30 Indene	115	4.481	4.465	0.016	52	165836	NC	NC	
* 24 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	97	280552	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.502	4.497	0.005	91	1033845	12.5	11.4	
27 Benzyl alcohol	108	4.604	4.604	0.000	89	643498	12.5	11.3	
29 1,2-Dichlorobenzene	146	4.641	4.641	0.000	94	992463	12.5	11.5	
31 2-Methylphenol	108	4.705	4.705	0.000	98	924386	12.5	12.3	
32 2,2'-oxybis[1-chloropropane]	45	4.743	4.738	0.005	91	1219150	12.5	11.5	
36 4-Methylphenol	108	4.855	4.850	0.005	96	990729	12.5	11.8	
37 N-Nitrosodi-n-propylamine	70	4.866	4.861	0.005	76	940902	12.5	12.0	
35 Acetophenone	105	4.866	4.861	0.005	88	1559970	12.5	12.0	
40 Hexachloroethane	117	4.967	4.968	-0.001	90	439262	12.5	11.5	
42 Nitrobenzene	77	5.026	5.026	0.000	85	1306580	12.5	11.3	
46 Isophorone	82	5.256	5.251	0.005	99	2302419	12.5	11.8	
47 2-Nitrophenol	139	5.331	5.326	0.005	96	396128	12.5	11.6	
48 2,4-Dimethylphenol	107	5.363	5.363	0.000	99	1053230	12.5	11.8	
49 o,o',o''-Triethylphosphorothioat	198	5.438	5.433	0.005	81	588174	12.5	12.7	
51 Bis(2-chloroethoxy)methane	93	5.465	5.460	0.005	97	1350503	12.5	11.9	
52 2,4-Dichlorophenol	162	5.556	5.551	0.005	96	872383	12.5	12.2	
54 1,2,4-Trichlorobenzene	180	5.641	5.636	0.005	92	1001985	12.5	11.7	
* 55 Naphthalene-d8	136	5.695	5.695	0.000	99	1029109	5.00	5.00	
56 Naphthalene	128	5.716	5.716	0.000	99	2709407	12.5	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
57 4-Chloroaniline	127	5.764	5.765	0.000	95	1192606	12.5	11.6	
58 2,6-Dichlorophenol	162	5.770	5.770	0.000	95	884334	12.5	12.0	
59 Hexachloropropene	213	5.802	5.802	0.000	87	772694	12.5	12.8	
60 Hexachlorobutadiene	225	5.834	5.834	0.000	94	688328	12.5	12.3	
66 4-Chloro-3-methylphenol	107	6.219	6.219	0.000	93	910246	12.5	12.4	
67 Safrole, Total	162	6.294	6.294	0.000	87	777601	12.5	12.2	
69 2-Methylnaphthalene	142	6.374	6.374	0.000	91	1850888	12.5	11.9	
70 1-Methylnaphthalene	142	6.470	6.465	0.005	91	1796155	12.5	12.1	
71 Hexachlorocyclopentadiene	237		6.524				ND	ND	U
72 1,2,4,5-Tetrachlorobenzene	216	6.529	6.529	0.000	97	1237191	12.5	11.5	
73 Isosafrole Peak 1	162	6.572	6.567	0.005	89	105661	1.50	1.36	
74 2,4,6-Trichlorophenol	196	6.636	6.636	0.000	92	725869	12.5	11.5	
75 2,4,5-Trichlorophenol	196	6.668	6.668	0.000	94	850454	12.5	12.4	
77 Isosafrole Peak 2	162	6.786	6.786	0.000	91	842981	11.0	10.0	
79 1,1'-Biphenyl	154	6.818	6.818	0.000	95	2492447	12.5	11.7	
80 2-Chloronaphthalene	162	6.834	6.834	0.000	97	1935075	12.5	11.4	
81 1-Chloronaphthalene	162	6.855	6.856	-0.001	98	2012738	12.5	12.5	
82 Phenyl ether	170	6.920	6.920	0.000	91	1440094	12.5	12.2	
83 2-Nitroaniline	138	6.930	6.931	0.000	75	614168	12.5	12.5	
84 1,4-Naphthoquinone	158	7.005	7.000	0.005	84	844310	12.5	12.7	
86 Dimethyl phthalate	163	7.112	7.107	0.005	98	2422802	12.5	11.8	
87 1,3-Dinitrobenzene	168	7.134	7.128	0.006	85	347927	12.5	12.4	
88 2,6-Dinitrotoluene	165	7.166	7.161	0.006	91	511129	12.5	12.1	
90 Acenaphthylene	152	7.230	7.230	0.000	98	3144823	12.5	12.1	
91 3-Nitroaniline	138	7.321	7.316	0.005	90	536570	12.5	12.6	
* 92 Acenaphthene-d10	164	7.364	7.358	0.006	96	699924	5.00	5.00	
93 Acenaphthene	153	7.390	7.390	0.000	97	2137749	12.5	11.8	
94 2,4-Dinitrophenol	184	7.417	7.417	0.000	86	460117	25.0	22.9	
96 4-Nitrophenol	109	7.476	7.471	0.005	94	753894	25.0	23.9	
98 Pentachlorobenzene	250	7.513	7.514	-0.001	98	1101875	12.5	12.4	
99 2,4-Dinitrotoluene	165	7.545	7.540	0.005	91	688126	12.5	12.2	
100 Dibenzofuran	168	7.556	7.556	0.000	97	3015771	12.5	11.8	
102 2,3,4,6-Tetrachlorophenol	232	7.668	7.669	-0.001	71	737706	12.5	12.3	a
104 Diethyl phthalate	149	7.781	7.781	0.000	97	2320118	12.5	11.7	
106 Thionazin	107	7.856	7.856	0.000	77	402516	12.5	13.3	
105 Fluorene	166	7.882	7.877	0.005	92	2553988	12.5	12.0	
108 4-Chlorophenyl phenyl ether	204	7.888	7.888	0.000	90	1406107	12.5	12.1	
109 4-Nitroaniline	138	7.898	7.893	0.005	78	597584	12.5	11.6	
110 4,6-Dinitro-2-methylphenol	198	7.925	7.920	0.005	86	712256	25.0	24.0	
111 N-Nitrosodiphenylamine	169	7.995	7.995	0.000	99	1813970	10.6	10.1	
112 1,2-Diphenylhydrazine	77	8.032	8.032	0.000	98	3128681	12.5	12.0	a
114 Sulfotepp	97	8.150	8.150	0.000	77	493757	12.5	12.4	
115 cis-Diallate	86	8.273	8.273	0.000	73	884739	9.38	9.28	
116 Phorate	75	8.278	8.278	0.000	95	1900007	12.5	13.1	
118 4-Bromophenyl phenyl ether	248	8.348	8.348	0.000	68	812329	12.5	11.7	
119 trans-Diallate	86	8.358	8.353	0.005	93	323885	3.13	3.48	
120 Hexachlorobenzene	284	8.396	8.396	0.000	95	867610	12.5	11.2	
121 Dimethoate	87	8.439	8.433	0.006	96	1029133	12.5	12.4	a
123 Pentachlorophenol	266	8.583	8.583	0.000	94	1054556	25.0	23.5	
128 Dinoseb	211	8.765	8.760	0.005	96	521318	12.5	12.0	
* 127 Phenanthrene-d10	188	8.770	8.765	0.005	98	1505685	5.00	5.00	
68 Disulfoton	88	8.776	8.776	0.000	96	1723009	12.5	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
129 Phenanthrene	178	8.792	8.792	0.000	98	3928766	12.5	11.6	
130 Anthracene	178	8.840	8.840	0.000	98	3996148	12.5	11.7	
131 Carbazole	167	8.990	8.990	0.000	96	3519944	12.5	11.6	
132 Methyl parathion	109	9.129	9.129	0.000	93	816106	12.5	13.2	
133 Di-n-butyl phthalate	149	9.337	9.337	0.000	100	4058979	12.5	12.1	
134 Ethyl Parathion	109	9.503	9.503	0.000	85	516142	12.5	12.8	
S 63 Diallate	86				0		12.5	12.8	
136 Octachlorostyrene	308	9.738	9.739	-0.001	92	353467	12.5	11.4	
138 Fluoranthene	202	9.920	9.920	0.000	98	4718028	12.5	11.9	
139 Benzidine	184	10.054	10.054	0.000	99	2625787	12.5	10.8	
* 140 Pyrene-d10 (IS)	212	10.118	10.118	0.000	96	1640726	5.00	5.00	
141 Pyrene	202	10.134	10.134	0.000	97	4976929	12.5	12.1	
144 Chlorobenzilate	139	10.487	10.487	0.000	95	1243725	12.5	12.8	
146 Butyl benzyl phthalate	149	10.808	10.808	0.000	96	1859775	12.5	13.1	
148 3,3'-Dichlorobenzidine	252	11.391	11.386	0.005	72	1866260	12.5	12.5	
149 Benzo[a]anthracene	228	11.412	11.407	0.005	97	5023857	12.5	12.7	
151 Chrysene	228	11.455	11.450	0.005	95	4692072	12.5	12.0	
152 Bis(2-ethylhexyl) phthalate	149	11.487	11.488	-0.001	97	2639941	12.5	12.7	
153 6-Methylchrysene	242	12.022	12.017	0.005	97	3180145	12.5	12.7	
154 Di-n-octyl phthalate	149	12.348	12.349	-0.001	99	4156452	12.5	11.4	
156 7,12-Dimethylbenz(a)anthracene	256	12.808	12.809	-0.001	76	2075717	12.5	13.3	
155 Benzo[b]fluoranthene	252	12.814	12.809	0.005	95	4594024	12.5	12.4	
157 Benzo[k]fluoranthene	252	12.851	12.846	0.005	98	4786003	12.5	12.3	
158 Benzo[a]pyrene	252	13.268	13.263	0.005	76	4084745	12.5	13.3	
* 159 Perylene-d12	264	13.349	13.344	0.005	98	1345549	5.00	5.00	
160 3-Methylcholanthrene	268	13.787	13.782	0.005	90	2105968	12.5	12.9	
162 Dibenz[a,j]acridine	279	14.600	14.675	-0.075	95	3131862	12.5	11.6	
163 Indeno[1,2,3-cd]pyrene	276	14.959	14.953	0.006	97	3370333	12.5	12.8	
164 Dibenz(a,h)anthracene	278	15.007	15.002	0.005	92	3687632	12.5	12.5	
165 Benzo[g,h,i]perylene	276	15.408	15.397	0.011	97	3753263	12.5	12.1	
S 166 Isosafrole	162				0		12.5	11.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00016 Amount Added: 1.00 Units: mL

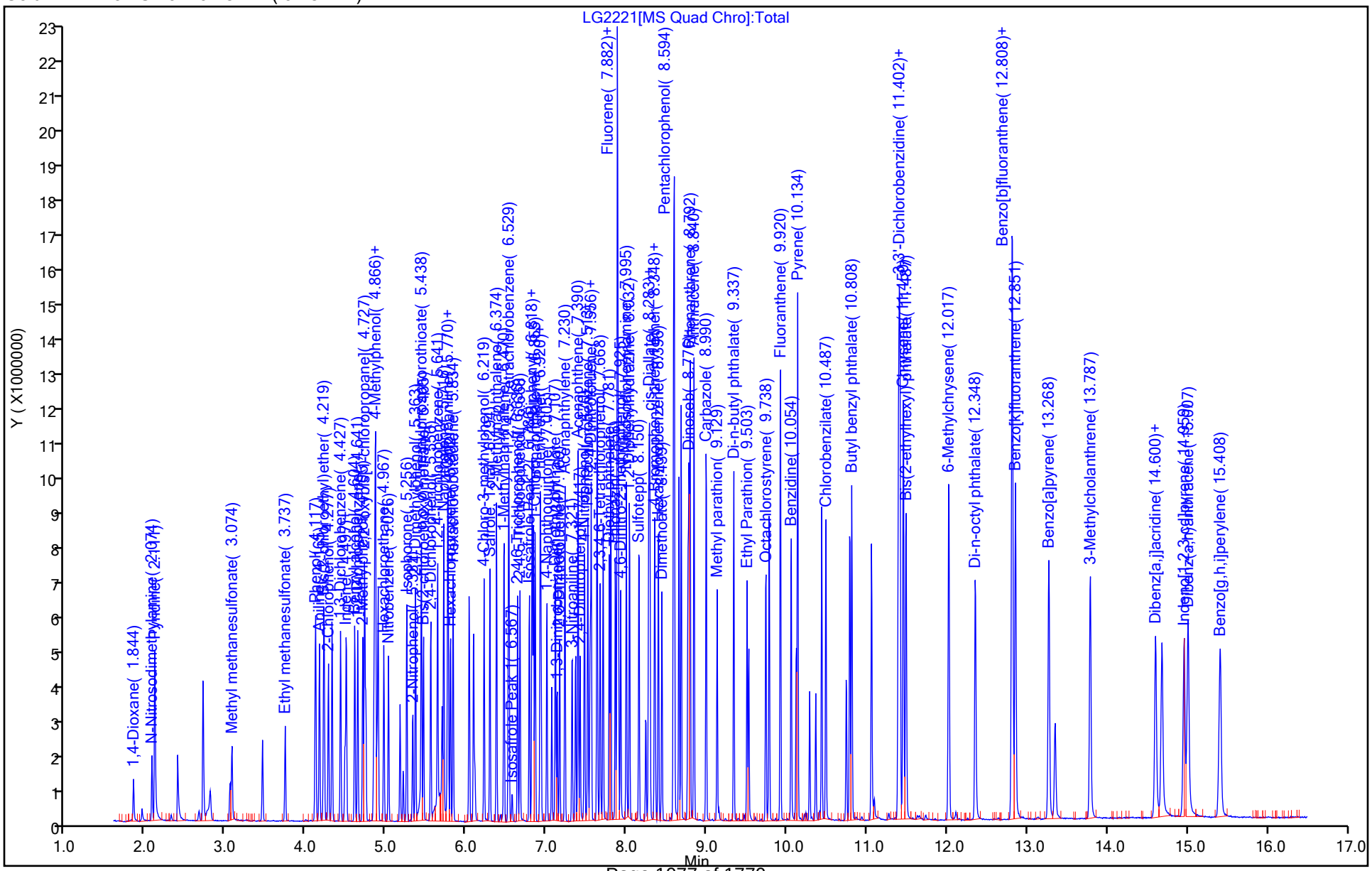
Report Date: 27-Jul-2022 14:38:31 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2221.D

Injection Date:	22-Jul-2022 17:31:51	Instrument ID:	HP20296	Operator ID:	apb10206
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

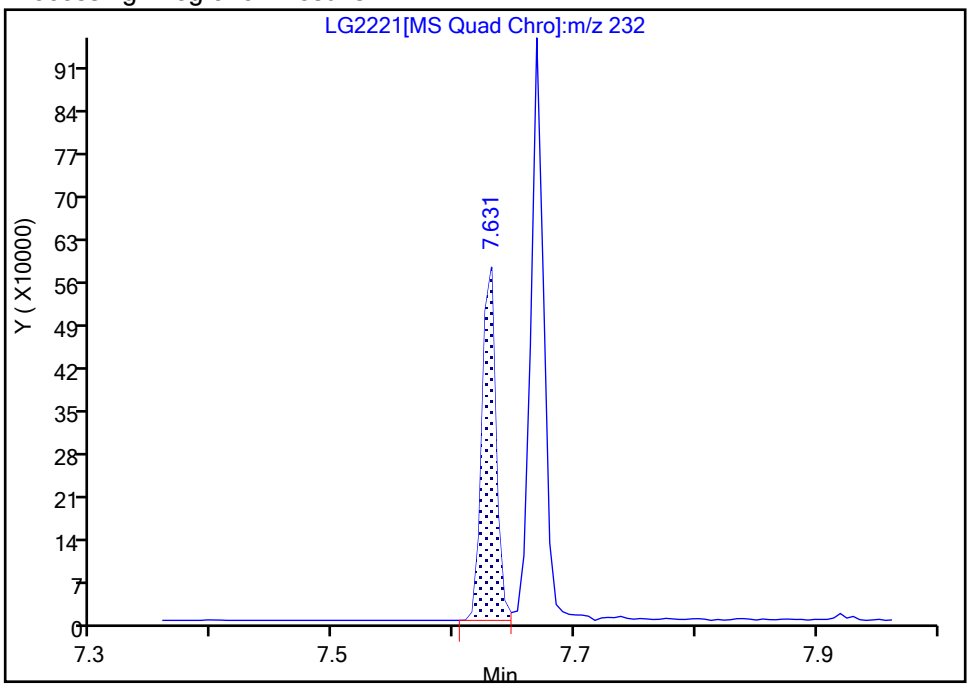
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2221.D				
Injection Date:	22-Jul-2022 17:31:51	Instrument ID:	HP20296		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

102 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

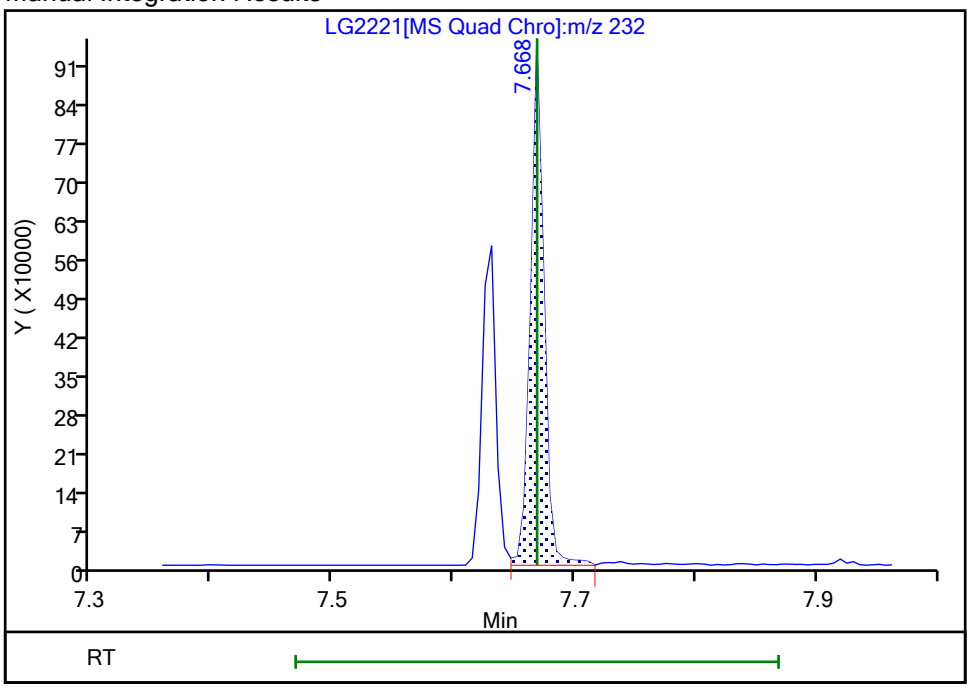
Processing Integration Results

RT: 7.63
Area: 468169
Amount: 7.741921
Amount Units: ug/ml



Manual Integration Results

RT: 7.67
Area: 737706
Amount: 12.305224
Amount Units: ug/ml



Reviewer: P7EB, 25-Jul-2022 14:47:17
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

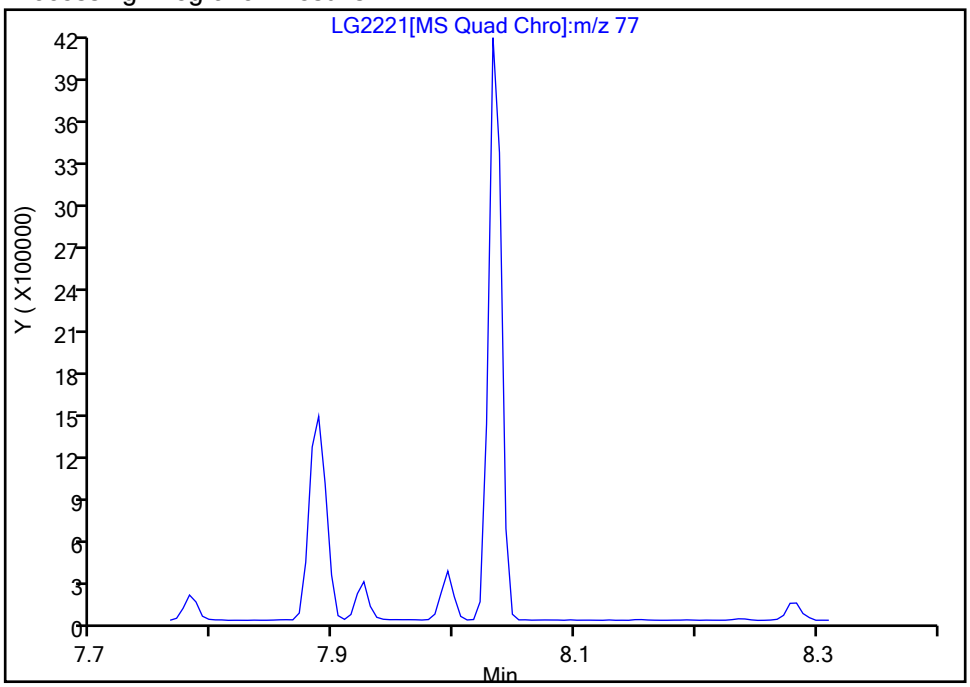
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2221.D				
Injection Date:	22-Jul-2022 17:31:51	Instrument ID:	HP20296		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

112 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

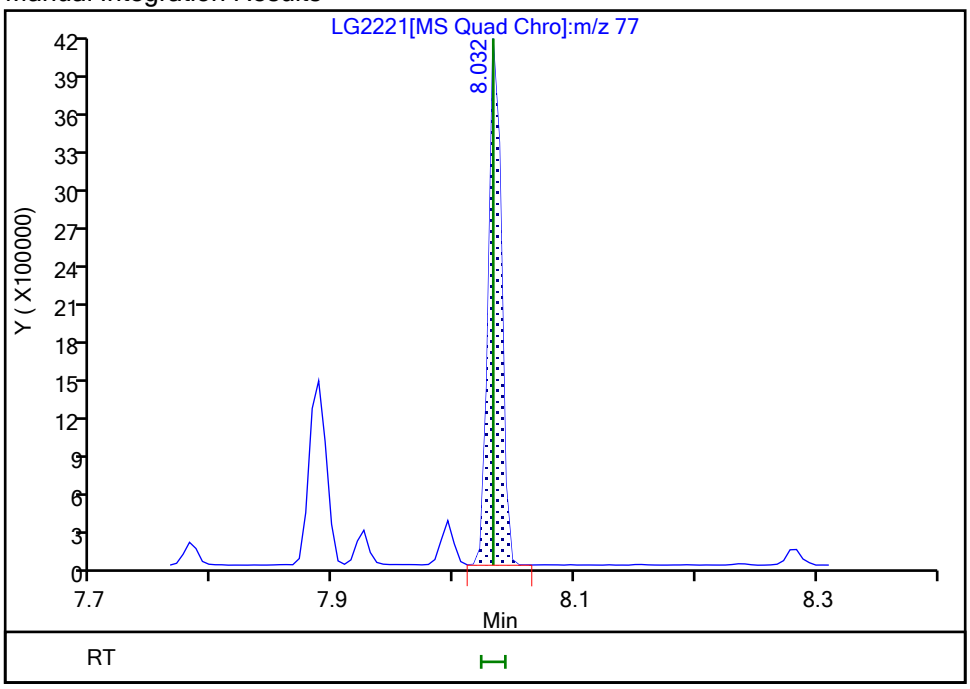
Not Detected
Expected RT: 8.03

Processing Integration Results



Manual Integration Results

RT: 8.03
Area: 3128681
Amount: 11.968487
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:21:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

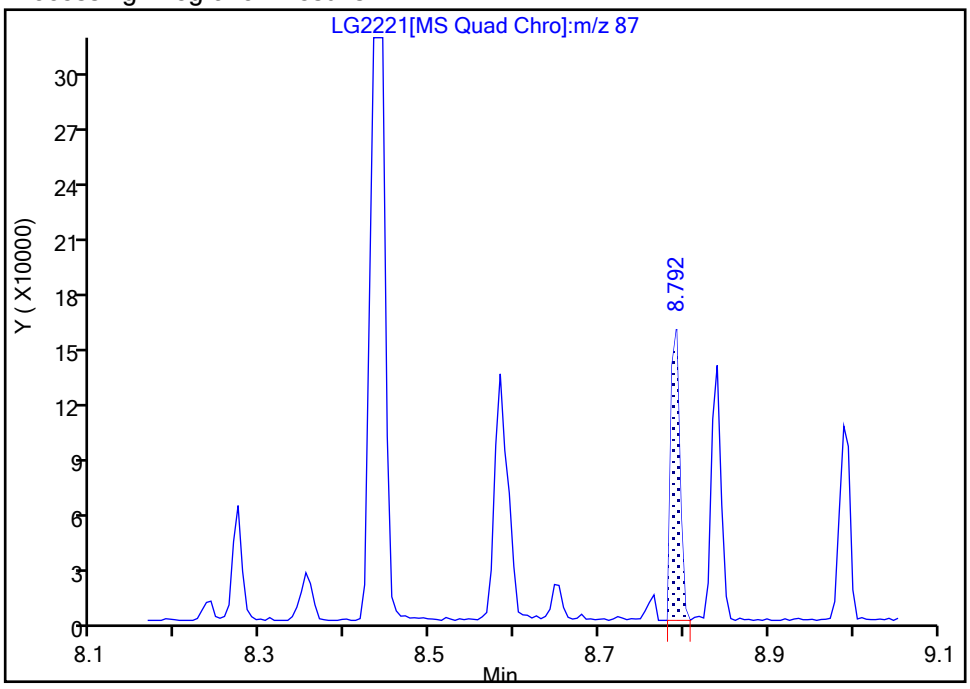
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2221.D				
Injection Date:	22-Jul-2022 17:31:51	Instrument ID:	HP20296		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

121 Dimethoate, CAS: 60-51-5

Signal: 1

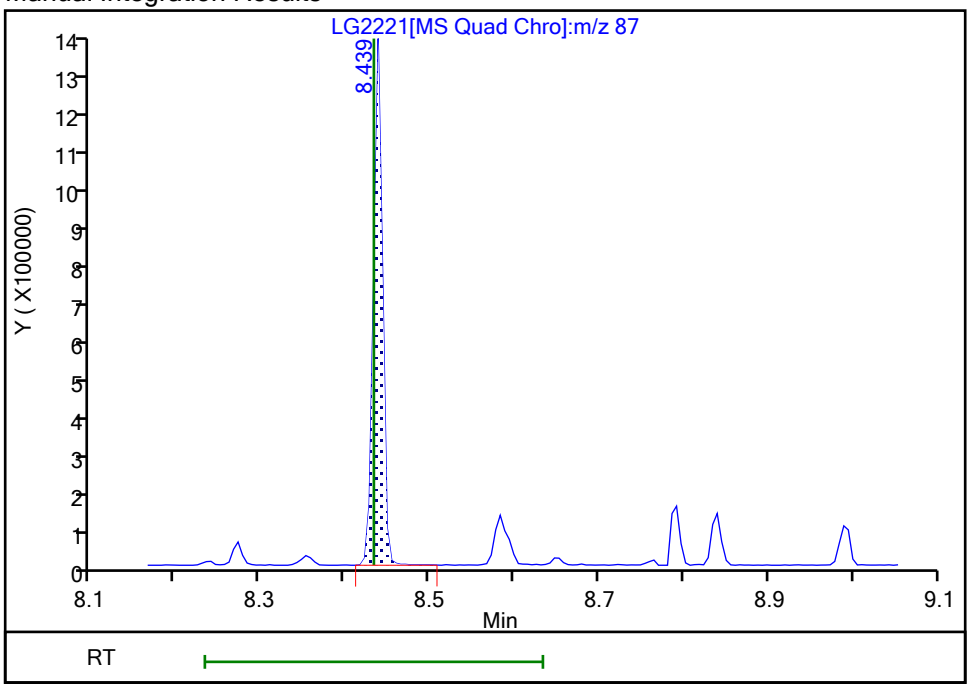
Processing Integration Results

RT: 8.79
Area: 113703
Amount: 1.372596
Amount Units: ug/ml



Manual Integration Results

RT: 8.44
Area: 1029133
Amount: 12.435375
Amount Units: ug/ml



Reviewer: P7EB, 24-Jul-2022 13:21:51

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

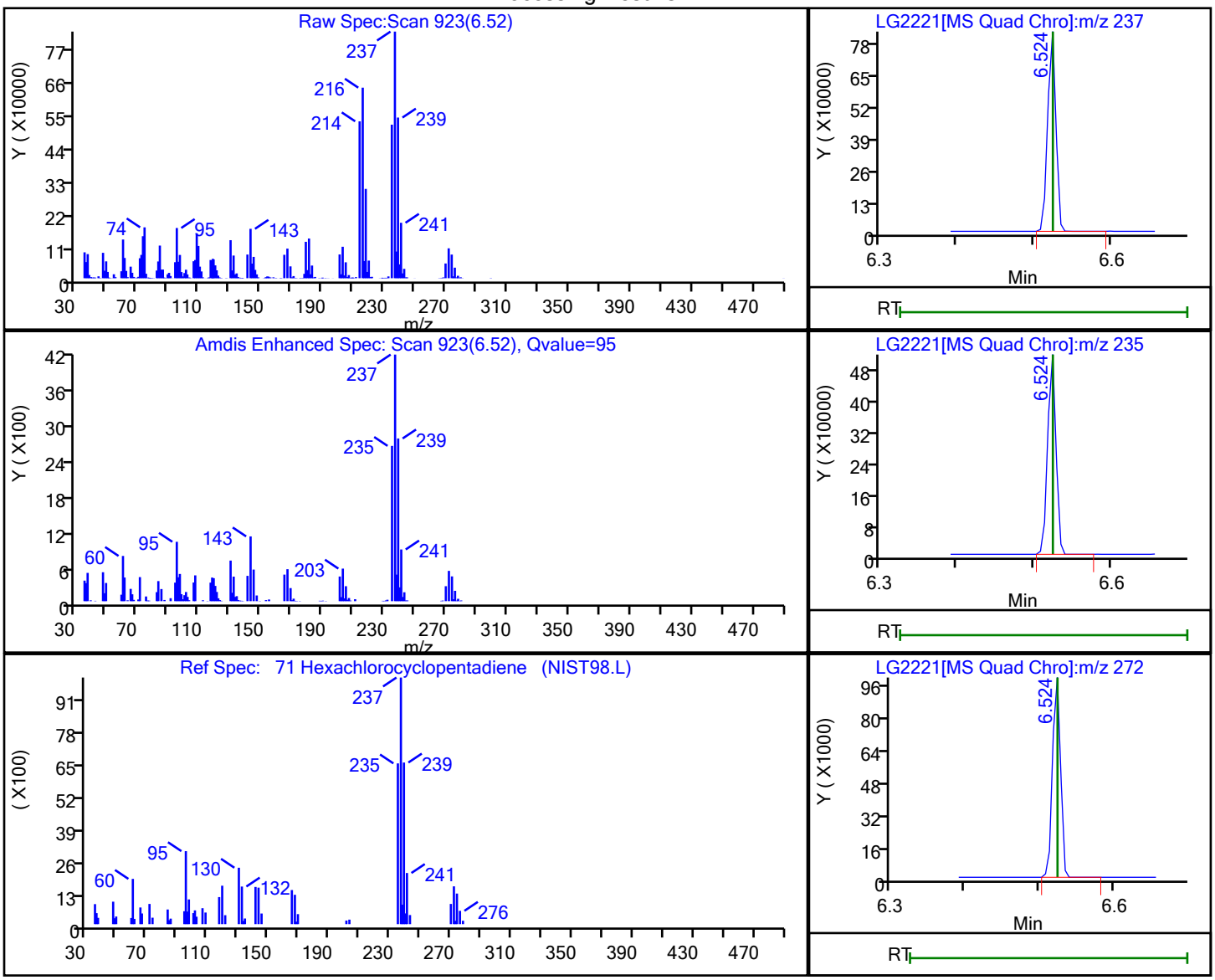
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2221.D				
Injection Date:	22-Jul-2022 17:31:51	Instrument ID:	HP20296		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

71 Hexachlorocyclopentadiene, CAS: 77-47-4

Processing Results



RT	Mass	Response	Amount
6.52	237.00	617558	8.893934
6.52	235.00	390127	
6.52	272.00	76333	

Reviewer: bauera, 27-Jul-2022 14:38:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-286564/2 Calibration Date: 08/16/2022 15:05

Instrument ID: HP20296 Calib Start Date: 07/22/2022 13:57

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 07/22/2022 16:27

Lab File ID: LH1651.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6995	0.6855		12.0	12.5	-2.0	20.0
N-Nitrosodimethylamine	Ave	1.052	1.125		13.0	12.5	6.9	20.0
Pyridine	Ave	1.757	1.751		25.0	25.0	-0.4	20.0
N,N-dimethylformamide	Ave	1.209	1.287		13.0	12.5	6.5	20.0
2-Picoline	Ave	1.692	1.741		13.0	12.5	2.9	20.0
N-Nitrosomethylethylamine	Ave	0.7944	0.7652		12.0	12.5	-3.7	20.0
Methyl methanesulfonate	Ave	1.053	1.054		13.0	12.5	0.0	20.0
N-Nitrosodiethylamine	Ave	0.6847	0.6908		13.0	12.5	0.9	20.0
Ethyl methanesulfonate	Ave	0.7634	0.7622		12.0	12.5	-0.1	20.0
Benzaldehyde	Ave	1.536	1.250	0.0100	10.0	12.5	-18.6	20.0
Phenol	Ave	2.014	2.084	0.8000	13.0	12.5	3.5	20.0
Aniline	Ave	2.458	2.491		13.0	12.5	1.3	20.0
Bis(2-chloroethyl)ether	Ave	1.636	1.681	0.7000	13.0	12.5	2.7	20.0
2-Chlorophenol	Ave	1.377	1.353	0.8000	12.0	12.5	-1.8	20.0
1,3-Dichlorobenzene	Ave	1.579	1.558		12.0	12.5	-1.4	20.0
1,4-Dichlorobenzene	Ave	1.620	1.580		12.0	12.5	-2.5	20.0
Benzyl alcohol	Ave	1.012	0.9658		12.0	12.5	-4.6	20.0
1,2-Dichlorobenzene	Ave	1.535	1.516		12.0	12.5	-1.2	20.0
2-Methylphenol	Ave	1.339	1.370	0.7000	13.0	12.5	2.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.887	1.872	0.0100	12.0	12.5	-0.8	20.0
N-Nitrosopyrrolidine	Ave	0.8214	0.7993		12.0	12.5	-2.7	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.498	1.512	0.6000	13.0	12.5	0.9	20.0
Acetophenone	Ave	2.322	2.314	0.0100	12.0	12.5	-0.3	20.0
N-Nitrosodi-n-propylamine	Ave	1.393	1.449	0.5000	13.0	12.5	4.0	20.0
N-Nitrosomorpholine	Ave	0.9935	0.9424		12.0	12.5	-5.1	20.0
o-Toluidine	Ave	2.472	2.473		13.0	12.5	0.0	20.0
Hexachloroethane	Ave	0.6820	0.6880	0.3000	13.0	12.5	0.9	20.0
Nitrobenzene	Ave	0.5602	0.5635	0.2000	13.0	12.5	0.6	20.0
N-Nitrosopiperidine	Ave	0.1948	0.1992		13.0	12.5	2.2	20.0
Isophorone	Ave	0.9485	1.002	0.4000	13.0	12.5	5.6	20.0
2-Nitrophenol	Ave	0.1654	0.2017	0.1000	15.0	12.5	21.9*	20.0
2,4-Dimethylphenol	Ave	0.4347	0.4585	0.2000	13.0	12.5	5.5	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.2258	0.2217		12.0	12.5	-1.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.5518	0.5912	0.3000	13.0	12.5	7.1	20.0
2,4-Dichlorophenol	Ave	0.3465	0.3643	0.2000	13.0	12.5	5.1	20.0
1,2,4-Trichlorobenzene	Ave	0.4174	0.4213		13.0	12.5	0.9	20.0
Naphthalene	Ave	1.144	1.161	0.7000	13.0	12.5	1.4	20.0
a-Terpineol	Ave	0.3929	0.4293		14.0	12.5	9.3	20.0
4-Chloroaniline	Ave	0.5000	0.5127	0.0100	13.0	12.5	2.5	20.0
2,6-Dichlorophenol	Ave	0.3575	0.3559		12.0	12.5	-0.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-286564/2 Calibration Date: 08/16/2022 15:05

Instrument ID: HP20296 Calib Start Date: 07/22/2022 13:57

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 07/22/2022 16:27

Lab File ID: LH1651.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2937	0.3252		14.0	12.5	10.7	20.0
Hexachlorobutadiene	Ave	0.2718	0.2625	0.0100	12.0	12.5	-3.4	20.0
Quinoline	Ave	0.6928	0.7644		14.0	12.5	10.3	20.0
Caprolactam	Ave	0.1285	0.1238	0.0100	12.0	12.5	-3.7	20.0
N-Nitrosodi-n-butylamine	Ave	0.4126	0.4671		14.0	12.5	13.2	20.0
1,4-phenylenediamine	Ave	0.5269	0.5317			12.5	0.9	20.0
4-Chloro-3-methylphenol	Ave	0.3572	0.4002	0.2000	14.0	12.5	12.0	20.0
Safrole, Total	Ave	0.3107	0.3170		13.0	12.5	2.0	20.0
2-Methylnaphthalene	Ave	0.7579	0.7834	0.4000	13.0	12.5	3.4	20.0
1-Methylnaphthalene	Ave	0.7211	0.7587		13.0	12.5	5.2	20.0
Hexachlorocyclopentadiene	Ave	0.4960	0.5032	0.0500	13.0	12.5	1.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7666	0.7361	0.0100	12.0	12.5	-4.0	20.0
Isosafrole Peak 1	Ave	0.5544	0.5743		2.10	2.00	3.6	20.0
2,4,6-Trichlorophenol	Ave	0.4502	0.4757	0.2000	13.0	12.5	5.7	20.0
2,4,5-Trichlorophenol	Ave	0.4894	0.5059	0.2000	13.0	12.5	3.4	20.0
Isosafrole Peak 2	Ave	0.6022	0.5820		10.0	10.5	-3.3	20.0
1,1'-Biphenyl	Ave	1.525	1.606	0.0100	13.0	12.5	5.3	20.0
2-Chloronaphthalene	Ave	1.214	1.220	0.8000	13.0	12.5	0.5	20.0
1-Chloronaphthalene	Ave	1.149	1.200		13.0	12.5	4.4	20.0
Diphenyl ether	Ave	0.8421	0.8534		13.0	12.5	1.3	20.0
2-Nitroaniline	Ave	0.3503	0.3831	0.0100	14.0	12.5	9.4	20.0
1,4-Naphthoquinone	Ave	0.4742	0.4573		12.0	12.5	-3.6	20.0
1,4-Dinitrobenzene	Ave	0.1622	0.1928		15.0	12.5	18.8	20.0
Dimethyl phthalate	Ave	1.469	1.498	0.0100	13.0	12.5	2.0	20.0
1,3-Dinitrobenzene	Ave	0.2001	0.2392		15.0	12.5	19.5	20.0
2,6-Dinitrotoluene	Ave	0.3012	0.3288	0.2000	14.0	12.5	9.2	20.0
Acenaphthylene	Ave	1.855	1.901	0.9000	13.0	12.5	2.5	20.0
3-Nitroaniline	Ave	0.3032	0.3414	0.0100	14.0	12.5	12.6	20.0
Acenaphthene	Ave	1.300	1.335	0.9000	13.0	12.5	2.7	20.0
2,4-Dinitrophenol	Lin1		0.2115	0.0100	35.0	25.0	40.2*	20.0
4-Nitrophenol	Ave	0.2249	0.2714	0.0100	30.0	25.0	20.7*	20.0
Pentachlorobenzene	Ave	0.6349	0.6262		12.0	12.5	-1.4	20.0
2,4-Dinitrotoluene	Ave	0.4045	0.4405	0.2000	14.0	12.5	8.9	20.0
Dibenzofuran	Ave	1.829	1.892	0.8000	13.0	12.5	3.4	20.0
1-Naphthylamine	Ave	1.241	1.274		13.0	12.5	2.7	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.4283	0.4802	0.0100	14.0	12.5	12.1	20.0
2-Naphthylamine	Ave	1.257	1.299		13.0	12.5	3.3	20.0
Diethyl phthalate	Ave	1.420	1.483	0.0100	13.0	12.5	4.4	20.0
Thionazin	Ave	0.2165	0.2400		14.0	12.5	10.8	20.0
Fluorene	Ave	1.524	1.594	0.9000	13.0	12.5	4.6	20.0
4-Chlorophenyl-phenyl ether	Ave	0.8332	0.8494	0.4000	13.0	12.5	2.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-286564/2 Calibration Date: 08/16/2022 15:05

Instrument ID: HP20296 Calib Start Date: 07/22/2022 13:57

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 07/22/2022 16:27

Lab File ID: LH1651.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
5-Nitro-o-toluidine	Ave	0.3931	0.4213		13.0	12.5	7.2	20.0
4-Nitroaniline	Ave	0.3673	0.3855	0.0100	13.0	12.5	4.9	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1328	0.0100	33.0	25.0	31.6*	20.0
N-Nitrosodiphenylamine	Ave	0.5956	0.6082	0.0100	11.0	10.6	2.1	20.0
1,2-Diphenylhydrazine	Ave	0.8681	0.9029		13.0	12.5	4.0	20.0
Sulfotepp	Ave	0.1324	0.1387		13.0	12.5	4.8	20.0
1,3,5-Trinitrobenzene	Ave	0.0656	0.0755			12.5	15.1	20.0
cis-Diallate	Ave	0.3165	0.3256		9.50	9.25	2.9	20.0
Phorate	Ave	0.4822	0.5278		14.0	12.5	9.4	20.0
Phenacetin	Ave	0.3527	0.3712		13.0	12.5	5.2	20.0
4-Bromophenyl-phenylether	Ave	0.2309	0.2329	0.1000	13.0	12.5	0.9	20.0
trans-Diallate	Ave	0.3093	0.3083		3.20	3.25	-0.3	20.0
Hexachlorobenzene	Ave	0.2581	0.2574	0.1000	12.0	12.5	-0.3	20.0
Dimethoate	Ave	0.2748	0.3049		14.0	12.5	11.0	20.0
Atrazine	Ave	0.2380	0.2216	0.0100	12.0	12.5	-6.9	20.0
Pentachlorophenol	Ave	0.1488	0.1716	0.0500	29.0	25.0	15.4	20.0
4-Aminobiphenyl	Ave	0.8510	0.8633		13.0	12.5	1.4	20.0
Pentachloronitrobenzene	Ave	0.1210	0.1273		13.0	12.5	5.2	20.0
Pronamide	Ave	0.3525	0.3548		13.0	12.5	0.7	20.0
Dinoseb	Lin1		0.2015		17.0	12.5	36.6*	20.0
Disulfoton	Ave	0.4993	0.5264		13.0	12.5	5.4	20.0
Phenanthrene	Ave	1.122	1.112	0.7000	12.0	12.5	-0.9	20.0
Anthracene	Ave	1.139	1.158	0.7000	13.0	12.5	1.7	20.0
Carbazole	Ave	1.007	1.042	0.0100	13.0	12.5	3.4	20.0
Methyl parathion	Ave	0.2046	0.2335		14.0	12.5	14.1	20.0
Di-n-butyl phthalate	Ave	1.116	1.204	0.0100	13.0	12.5	7.9	20.0
Parathion	Ave	0.1334	0.1479		14.0	12.5	10.8	20.0
4-Nitroquinoline-1-oxide	Qua2		0.0894		13.0	12.5	0.5	20.0
Octachlorostyrene	Ave	0.1033	0.1025		12.0	12.5	-0.9	20.0
Isodrin	Ave	0.1452	0.1360		12.0	12.5	-6.4	20.0
Fluoranthene	Ave	1.314	1.381	0.6000	13.0	12.5	5.0	20.0
Benzidine	Ave	0.7423	0.8024		41.0	37.5	8.1	20.0
Pyrene	Ave	1.251	1.306	0.6000	13.0	12.5	4.4	20.0
p-Dimethylamino azobenzene	Ave	0.2134	0.2124		12.0	12.5	-0.4	20.0
Chlorobenzilate	Ave	0.2952	0.3327		14.0	12.5	12.7	20.0
3,3'-Dimethylbenzidine	Ave	0.7692	0.7386		12.0	12.5	-4.0	20.0
Butylbenzylphthalate	Ave	0.4317	0.5002	0.0100	14.0	12.5	15.9	20.0
2-Acetylaminofluorene	Ave	0.4149	0.3984		12.0	12.5	-4.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4546	0.4971	0.0100	14.0	12.5	9.3	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2427	0.2625		14.0	12.5	8.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-286564/2 Calibration Date: 08/16/2022 15:05

Instrument ID: HP20296 Calib Start Date: 07/22/2022 13:57

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 07/22/2022 16:27

Lab File ID: LH1651.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.210	1.332	0.8000	14.0	12.5	10.1	20.0
Chrysene	Ave	1.192	1.243	0.7000	13.0	12.5	4.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6327	0.7004	0.0100	14.0	12.5	10.7	20.0
6-Methylchrysene	Ave	0.7658	0.8411		14.0	12.5	9.8	20.0
Di-n-octyl phthalate	Lin1		1.323	0.0100	12.0	12.5	-2.4	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5799	0.6350		14.0	12.5	9.5	20.0
Benzo[b]fluoranthene	Ave	1.380	1.539	0.7000	14.0	12.5	11.6	20.0
Benzo[k]fluoranthene	Ave	1.440	1.489	0.7000	13.0	12.5	3.4	20.0
Benzo[a]pyrene	Ave	1.141	1.212	0.7000	13.0	12.5	6.2	20.0
3-Methylcholanthrene	Ave	0.6065	0.6692		14.0	12.5	10.3	20.0
Dibenz[a,h]acridine	Ave	0.8620	0.9411		14.0	12.5	9.2	20.0
Dibenz[a,j]acridine	Ave	1.002	1.080		13.0	12.5	7.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9814	1.070	0.5000	14.0	12.5	9.0	20.0
Dibenz(a,h)anthracene	Ave	1.092	1.244	0.4000	14.0	12.5	13.9	20.0
Benzo[g,h,i]perylene	Ave	1.151	1.271	0.5000	14.0	12.5	10.5	20.0
2-Fluorophenol (Surr)	Ave	1.408	1.441		26.0	25.0	2.3	20.0
Phenol-d5 (Surr)	Ave	1.901	1.953		26.0	25.0	2.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5250	0.5640		27.0	25.0	7.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.531	1.593		26.0	25.0	4.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2426	0.2775		29.0	25.0	14.4	20.0
p-Terphenyl-d14 (Surr)	Ave	0.9419	1.058		28.0	25.0	12.4	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1651.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Aug-2022 15:05:26 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub42

Method: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 16-Aug-2022 16:44:11 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: P7EB Date: 16-Aug-2022 15:35:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.723	1.723	0.000	91	340260	12.5	12.2	
2 N-Nitrosodimethylamine	74	1.948	1.948	0.000	95	558402	12.5	13.4	
3 Pyridine	79	1.985	1.985	0.000	98	1737837	25.0	24.9	
4 Dimethylformamide	73	2.274	2.274	0.000	93	638838	12.5	13.3	
5 2-Picoline	93	2.579	2.579	0.000	94	864197	12.5	12.9	
6 N-Nitrosomethylethylamine	88	2.664	2.664	0.000	93	379829	12.5	12.0	
9 Methyl methanesulfonate	80	2.932	2.932	0.000	86	522995	12.5	12.5	
$ 10 2-Fluorophenol	112	3.092	3.092	0.000	94	1430258	25.0	25.6	
11 N-Nitrosodiethylamine	102	3.312	3.312	0.000	96	342899	12.5	12.6	
13 Ethyl methanesulfonate	109	3.600	3.600	0.000	97	378335	12.5	12.5	
15 Benzaldehyde	77	3.932	3.932	0.000	92	620317	12.5	10.2	
$ 16 Phenol-d5	99	3.986	3.986	0.000	97	1938519	25.0	25.7	
17 Phenol	94	3.996	3.996	0.000	99	1034308	12.5	12.9	
18 Aniline	93	4.034	4.034	0.000	96	1236374	12.5	12.7	
19 Bis(2-chloroethyl)ether	93	4.092	4.092	0.000	96	834189	12.5	12.8	
20 2-Chlorophenol	128	4.146	4.146	0.000	94	671378	12.5	12.3	
22 1,3-Dichlorobenzene	146	4.296	4.296	0.000	94	773117	12.5	12.3	
* 24 1,4-Dichlorobenzene-d4	152	4.349	4.349	0.000	96	198542	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.365	4.365	0.000	92	784196	12.5	12.2	
27 Benzyl alcohol	108	4.478	4.478	0.000	88	479363	12.5	11.9	
29 1,2-Dichlorobenzene	146	4.510	4.510	0.000	94	752591	12.5	12.3	
31 2-Methylphenol	108	4.585	4.585	0.000	97	680082	12.5	12.8	
32 2,2'-oxybis[1-chloropropane]	45	4.611	4.611	0.000	93	929095	12.5	12.4	
34 N-Nitrosopyrrolidine	100	4.713	4.713	0.000	88	396713	12.5	12.2	
36 4-Methylphenol	108	4.734	4.734	0.000	60	750335	12.5	12.6	
35 Acetophenone	105	4.734	4.734	0.000	78	1148636	12.5	12.5	
37 N-Nitrosodi-n-propylamine	70	4.734	4.734	0.000	62	719259	12.5	13.0	
38 N-Nitrosomorpholine	56	4.756	4.756	0.000	91	467758	12.5	11.9	
39 2-Toluidine	106	4.766	4.766	0.000	95	1227334	12.5	12.5	
40 Hexachloroethane	117	4.836	4.836	0.000	91	341468	12.5	12.6	
$ 41 Nitrobenzene-d5	82	4.879	4.879	0.000	88	2002102	25.0	26.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Nitrobenzene	77	4.900	4.900	0.000	85	1000222	12.5	12.6	
44 N-Nitrosopiperidine	114	5.045	5.045	0.000	83	353529	12.5	12.8	
46 Isophorone	82	5.125	5.125	0.000	99	1777827	12.5	13.2	
47 2-Nitrophenol	139	5.200	5.200	0.000	93	358062	12.5	15.2	
48 2,4-Dimethylphenol	107	5.242	5.242	0.000	98	813840	12.5	13.2	
49 o,o',o''-Triethylphosphorothioat	198	5.312	5.312	0.000	84	393412	12.5	12.3	
51 Bis(2-chloroethoxy)methane	93	5.339	5.339	0.000	98	1049332	12.5	13.4	
23 alpha,alpha-Dimethyl phenethylam	58		5.424				ND	ND	U
52 2,4-Dichlorophenol	162	5.430	5.430	0.000	97	646568	12.5	13.1	
54 1,2,4-Trichlorobenzene	180	5.510	5.510	0.000	92	747695	12.5	12.6	
* 55 Naphthalene-d8	136	5.563	5.563	0.000	99	709965	5.00	5.00	a
56 Naphthalene	128	5.585	5.585	0.000	98	2060443	12.5	12.7	a
26 Alpha-Terpineol	59	5.601	5.601	0.000	92	761917	12.5	13.7	
57 4-Chloroaniline	127	5.638	5.638	0.000	94	909962	12.5	12.8	
58 2,6-Dichlorophenol	162	5.649	5.649	0.000	96	631697	12.5	12.4	
59 Hexachloropropene	213	5.670	5.670	0.000	88	577235	12.5	13.8	
60 Hexachlorobutadiene	225	5.708	5.708	0.000	95	465886	12.5	12.1	
62 Quinoline	129	5.906	5.906	0.000	94	1356662	12.5	13.8	
64 Caprolactam	113	5.959	5.959	0.000	74	219652	12.5	12.0	
65 N-Nitrosodi-n-butylamine	84	5.965	5.965	0.000	91	829078	12.5	14.2	
33 p-Phenylene diamine	108	5.975	5.975	0.000	94	943773	12.5	12.6	
66 4-Chloro-3-methylphenol	107	6.109	6.109	0.000	94	710408	12.5	14.0	a
67 Safrole, Total	162	6.168	6.168	0.000	85	562711	12.5	12.8	
69 2-Methylnaphthalene	142	6.248	6.248	0.000	89	1390533	12.5	12.9	
70 1-Methylnaphthalene	142	6.339	6.339	0.000	91	1346569	12.5	13.2	
71 Hexachlorocyclopentadiene	237	6.398	6.398	0.000	94	601809	12.5	12.7	
72 1,2,4,5-Tetrachlorobenzene	216	6.403	6.403	0.000	98	880453	12.5	12.0	
73 Isosafrole Peak 1	162	6.446	6.446	0.000	89	109908	2.00	2.07	
74 2,4,6-Trichlorophenol	196	6.515	6.515	0.000	83	568961	12.5	13.2	
75 2,4,5-Trichlorophenol	196	6.553	6.553	0.000	93	605092	12.5	12.9	
$ 76 2-Fluorobiphenyl (Surr)	172	6.601	6.601	0.000	99	3811169	25.0	26.0	
77 Isosafrole Peak 2	162	6.660	6.660	0.000	88	584742	10.5	10.1	
79 1,1'-Biphenyl	154	6.692	6.692	0.000	96	1920834	12.5	13.2	
80 2-Chloronaphthalene	162	6.708	6.708	0.000	98	1459694	12.5	12.6	
81 1-Chloronaphthalene	162	6.729	6.729	0.000	98	1434883	12.5	13.0	
82 Phenyl ether	170	6.794	6.794	0.000	90	1020684	12.5	12.7	
83 2-Nitroaniline	138	6.810	6.810	0.000	76	458240	12.5	13.7	
84 1,4-Naphthoquinone	158	6.879	6.879	0.000	80	546906	12.5	12.1	
85 1,4-Dinitrobenzene	168	6.943	6.943	0.000	86	230557	12.5	14.9	
86 Dimethyl phthalate	163	6.986	6.986	0.000	97	1791997	12.5	12.7	
87 1,3-Dinitrobenzene	168	7.013	7.013	0.000	84	286053	12.5	14.9	
88 2,6-Dinitrotoluene	165	7.040	7.040	0.000	88	393247	12.5	13.6	
90 Acenaphthylene	152	7.104	7.104	0.000	98	2273731	12.5	12.8	
91 3-Nitroaniline	138	7.195	7.195	0.000	90	408380	12.5	14.1	
* 92 Acenaphthene-d10	164	7.232	7.232	0.000	96	478424	5.00	5.00	
93 Acenaphthene	153	7.264	7.264	0.000	98	1596383	12.5	12.8	
94 2,4-Dinitrophenol	184	7.296	7.296	0.000	83	505910	25.0	35.1	
96 4-Nitrophenol	109	7.366	7.366	0.000	91	649115	25.0	30.2	
98 Pentachlorobenzene	250	7.387	7.387	0.000	97	748937	12.5	12.3	
99 2,4-Dinitrotoluene	165	7.419	7.419	0.000	88	526839	12.5	13.6	
100 Dibenzofuran	168	7.430	7.430	0.000	97	2262921	12.5	12.9	
101 1-Naphthylamine	143	7.505	7.505	0.000	97	1524109	12.5	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.548	7.548	0.000	71	574350	12.5	14.0	
103 2-Naphthylamine	143	7.580	7.580	0.000	95	1553349	12.5	12.9	
104 Diethyl phthalate	149	7.660	7.660	0.000	97	1773354	12.5	13.0	
106 Thionazin	107	7.735	7.735	0.000	76	286999	12.5	13.9	
105 Fluorene	166	7.756	7.756	0.000	91	1906239	12.5	13.1	
108 4-Chlorophenyl phenyl ether	204	7.762	7.762	0.000	92	1015984	12.5	12.7	
107 N-Nitro-o-toluidine	152	7.767	7.767	0.000	91	503948	12.5	13.4	
109 4-Nitroaniline	138	7.778	7.778	0.000	79	461096	12.5	13.1	
110 4,6-Dinitro-2-methylphenol	198	7.804	7.804	0.000	84	694273	25.0	32.9	
111 N-Nitrosodiphenylamine	169	7.874	7.874	0.000	99	1350876	10.6	10.8	
112 1,2-Diphenylhydrazine	77	7.911	7.911	0.000	98	2359392	12.5	13.0	a
$ 113 2,4,6-Tribromophenol	330	7.981	7.981	0.000	94	663832	25.0	28.6	
114 Sulfotepp	97	8.029	8.029	0.000	79	362361	12.5	13.1	
175 1,3,5-Trinitrobenzene	213	8.125	8.125	0.000	82	197219	12.5	14.4	
115 cis-Diallate	86	8.147	8.147	0.000	86	629742	9.25	9.52	
116 Phorate	75	8.157	8.157	0.000	95	1379288	12.5	13.7	
117 Phenacetin	108	8.168	8.168	0.000	91	970053	12.5	13.2	
118 4-Bromophenyl phenyl ether	248	8.222	8.222	0.000	68	608718	12.5	12.6	
119 trans-Diallate	86	8.232	8.232	0.000	95	209480	3.25	3.24	
120 Hexachlorobenzene	284	8.270	8.270	0.000	95	672667	12.5	12.5	
121 Dimethoate	87	8.313	8.313	0.000	96	796853	12.5	13.9	
122 Atrazine	200	8.382	8.382	0.000	92	579130	12.5	11.6	
123 Pentachlorophenol	266	8.462	8.462	0.000	92	897121	25.0	28.8	
124 4-Aminobiphenyl	169	8.468	8.468	0.000	91	2255964	12.5	12.7	
125 Pentachloronitrobenzene	237	8.468	8.468	0.000	49	332603	12.5	13.1	
126 Pronamide	173	8.532	8.532	0.000	90	927143	12.5	12.6	
* 127 Phenanthrene-d10	188	8.639	8.639	0.000	96	1045299	5.00	5.00	
128 Dinoseb	211	8.639	8.639	0.000	83	526504	12.5	17.1	
68 Disulfoton	88	8.655	8.655	0.000	96	1375517	12.5	13.2	
129 Phenanthrene	178	8.666	8.666	0.000	97	2905839	12.5	12.4	
130 Anthracene	178	8.714	8.714	0.000	98	3027433	12.5	12.7	
131 Carbazole	167	8.869	8.869	0.000	96	2722876	12.5	12.9	
132 Methyl parathion	109	9.008	9.008	0.000	94	610286	12.5	14.3	
133 Di-n-butyl phthalate	149	9.216	9.216	0.000	100	3147267	12.5	13.5	
134 Ethyl Parathion	109	9.377	9.377	0.000	84	386442	12.5	13.9	
135 4-Nitroquinoline-1-oxide	190	9.398	9.398	0.000	88	233561	12.5	12.6	
136 Octachlorostyrene	308	9.612	9.612	0.000	92	267735	12.5	12.4	
137 Isodrin	193	9.650	9.650	0.000	92	355429	12.5	11.7	
S 63 Diallate	86				0		12.5	12.8	
138 Fluoranthene	202	9.789	9.789	0.000	98	3608112	12.5	13.1	
139 Benzidine	184	9.933	9.933	0.000	99	7165526	37.5	40.5	
* 140 Pyrene-d10 (IS)	212	9.987	9.987	0.000	96	1190672	5.00	5.00	
141 Pyrene	202	10.003	10.003	0.000	97	3888714	12.5	13.1	
$ 142 p-Terphenyl-d14	244	10.169	10.169	0.000	99	6300364	25.0	28.1	
143 p-Dimethylamino azobenzene	225	10.308	10.308	0.000	91	632379	12.5	12.4	
144 Chlorobenzilate	139	10.356	10.356	0.000	95	990436	12.5	14.1	
145 3,3'-Dimethylbenzidine	212	10.650	10.650	0.000	98	2198692	12.5	12.0	
146 Butyl benzyl phthalate	149	10.671	10.671	0.000	96	1488916	12.5	14.5	
147 2-Acetylaminofluorene	181	10.912	10.912	0.000	92	1186058	12.5	12.0	
148 3,3'-Dichlorobenzidine	252	11.244	11.244	0.000	76	1479619	12.5	13.7	
150 4,4'-Methylene bis(2-chloroani	231	11.249	11.249	0.000	95	781427	12.5	13.5	
149 Benzo[a]anthracene	228	11.254	11.254	0.000	97	3963802	12.5	13.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
151 Chrysene	228	11.297	11.297	0.000	96	3699865	12.5	13.0	
152 Bis(2-ethylhexyl) phthalate	149	11.335	11.335	0.000	97	2084843	12.5	13.8	
153 6-Methylchrysene	242	11.848	11.848	0.000	97	2503681	12.5	13.7	
154 Di-n-octyl phthalate	149	12.174	12.174	0.000	99	3283283	12.5	12.2	
156 7,12-Dimethylbenz(a)anthracene	256	12.618	12.618	0.000	74	1576001	12.5	13.7	
155 Benzo[b]fluoranthene	252	12.618	12.618	0.000	96	3820272	12.5	13.9	
157 Benzo[k]fluoranthene	252	12.661	12.661	0.000	97	3696875	12.5	12.9	
158 Benzo[a]pyrene	252	13.062	13.062	0.000	77	3007284	12.5	13.3	
* 159 Perylene-d12	264	13.142	13.142	0.000	98	992799	5.00	5.00	
160 3-Methylcholanthrene	268	13.570	13.570	0.000	90	1660995	12.5	13.8	
161 Dibenz[a,h]acridine	279	14.357	14.357	0.000	90	2335791	12.5	13.6	
162 Dibenz[a,j]acridine	279	14.431	14.431	0.000	95	2681647	12.5	13.5	
163 Indeno[1,2,3-cd]pyrene	276	14.693	14.693	0.000	97	2655722	12.5	13.6	
164 Dibenz(a,h)anthracene	278	14.742	14.742	0.000	92	3087986	12.5	14.2	
165 Benzo[g,h,i]perylene	276	15.116	15.116	0.000	97	3154797	12.5	13.8	
S 166 Isosafrole	162				0		12.5	12.2	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_6_00031 Amount Added: 1.00 Units: mL

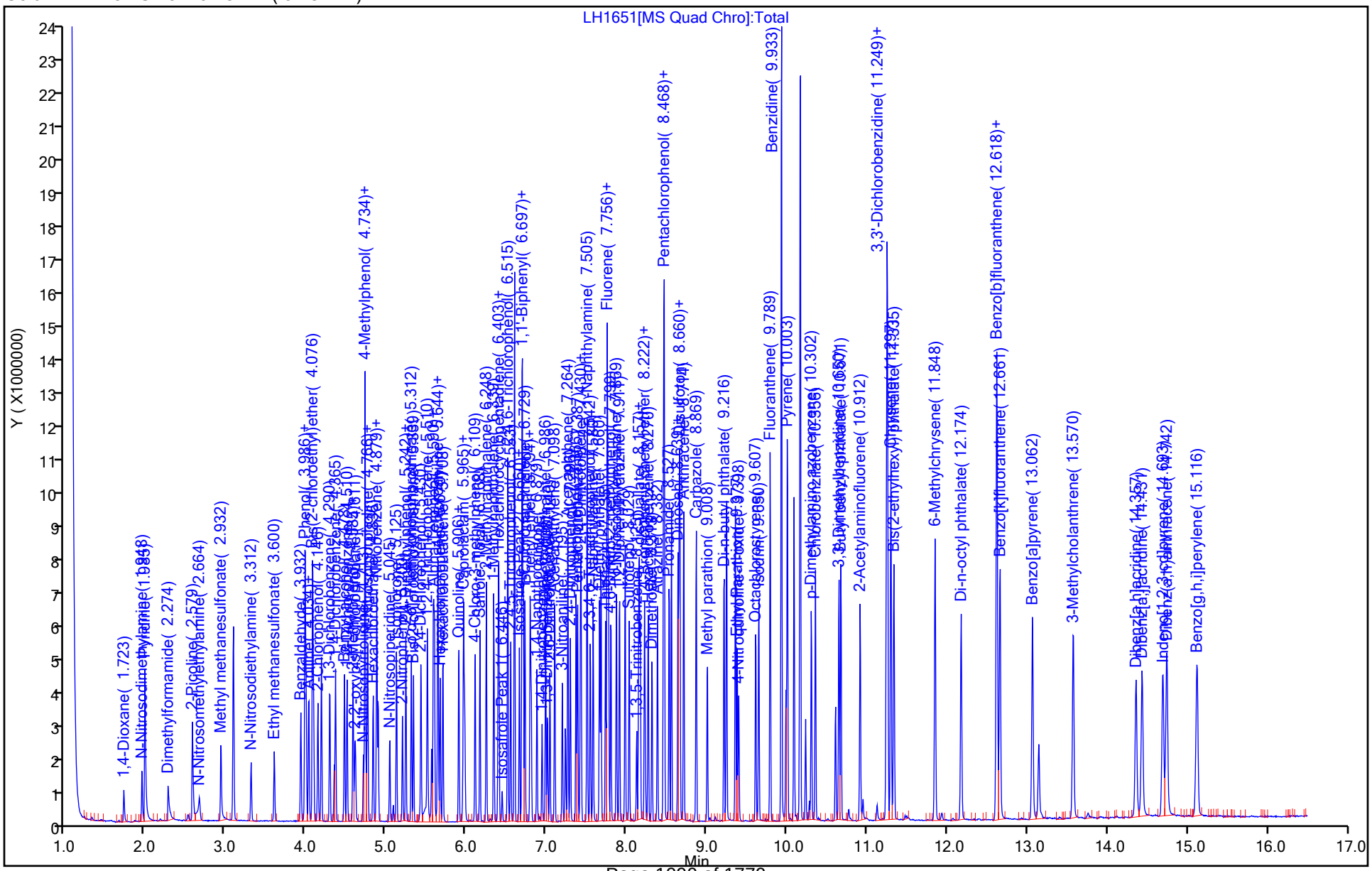
Report Date: 16-Aug-2022 16:44:13 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1651.D

Injection Date:	16-Aug-2022 15:05:26	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

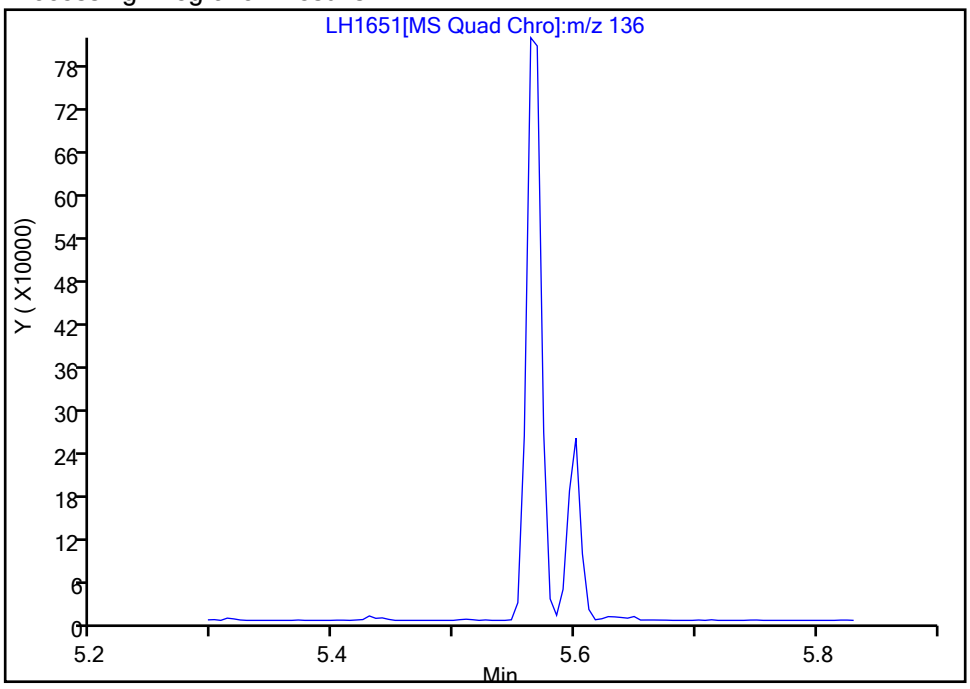
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1651.D				
Injection Date:	16-Aug-2022 15:05:26	Instrument ID:	HP20296		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

* 55 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

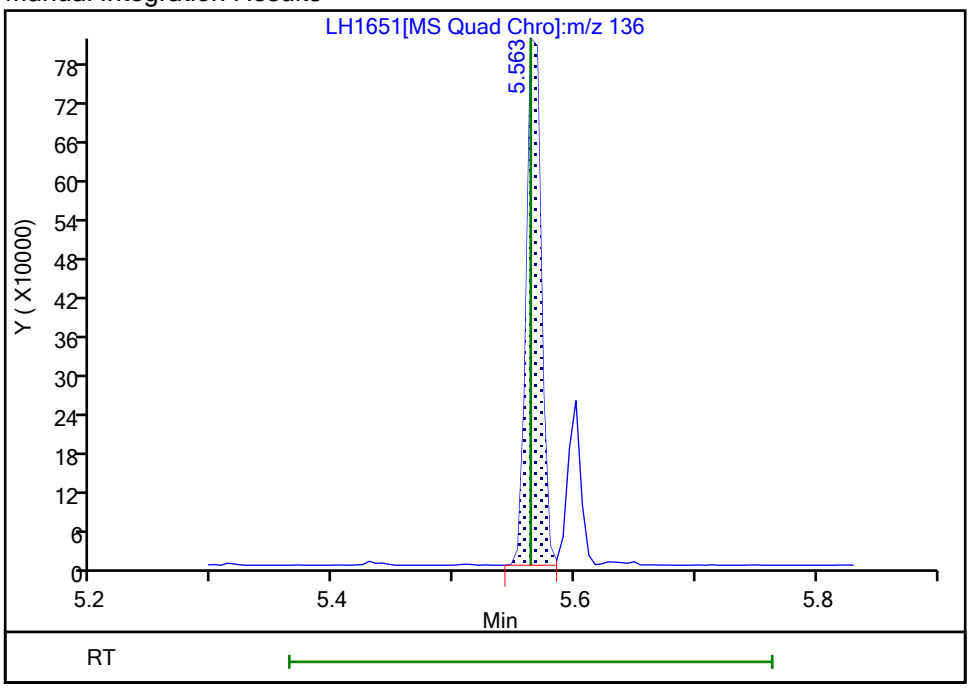
Not Detected
Expected RT: 5.56

Processing Integration Results



Manual Integration Results

RT: 5.56
Area: 709965
Amount: 5.000000
Amount Units: ug/ml



Reviewer: P7EB, 16-Aug-2022 15:33:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

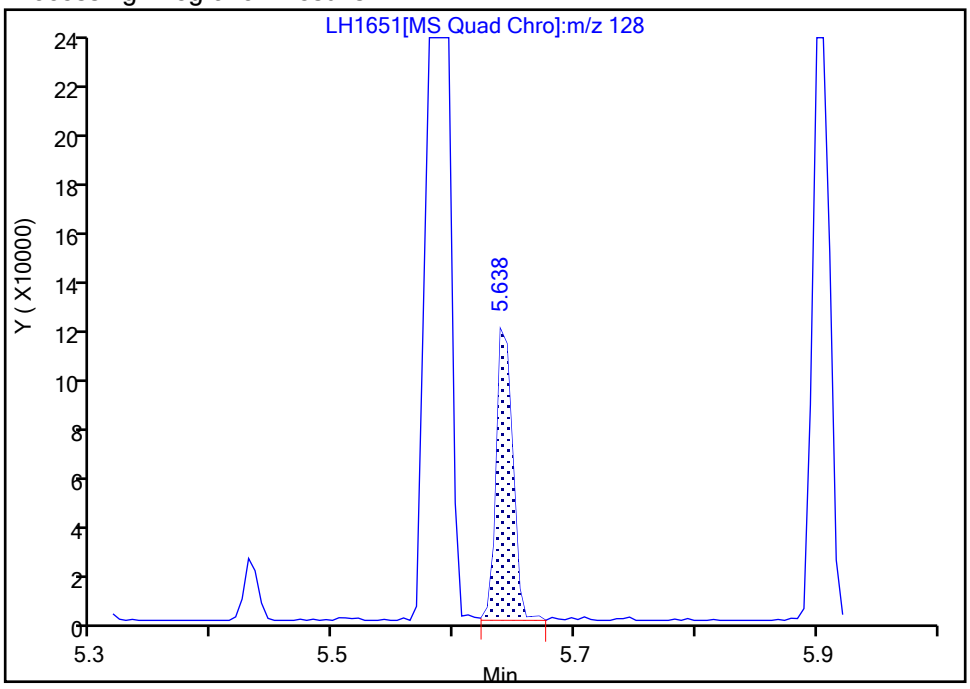
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1651.D				
Injection Date:	16-Aug-2022 15:05:26	Instrument ID:	HP20296		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

56 Naphthalene, CAS: 91-20-3

Signal: 1

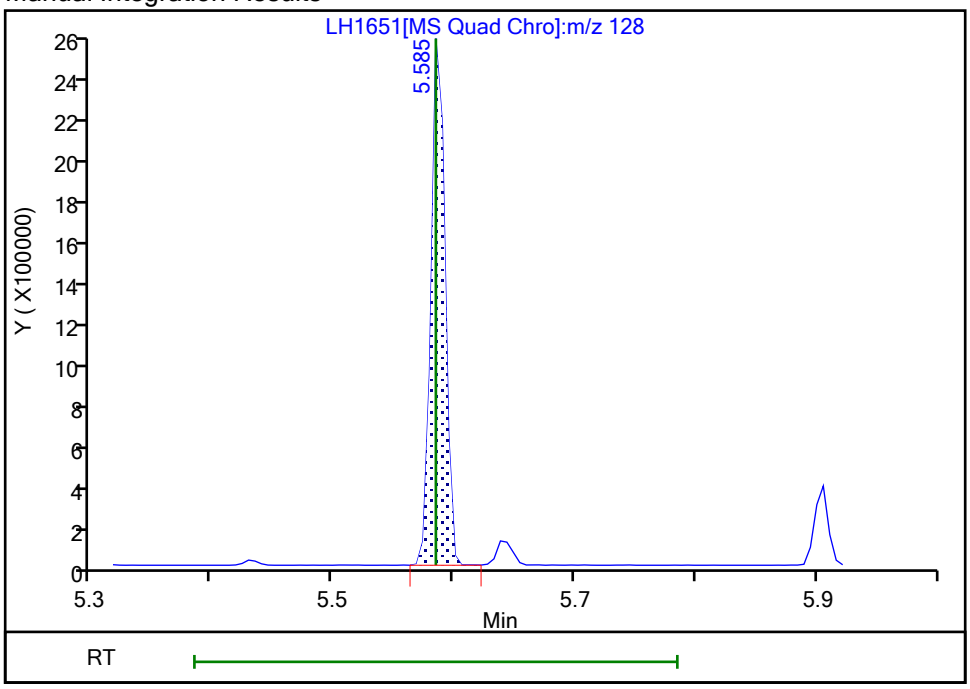
Processing Integration Results

RT: 5.64
Area: 110984
Amount: 0.683020
Amount Units: ug/ml



Manual Integration Results

RT: 5.58
Area: 2060443
Amount: 12.680421
Amount Units: ug/ml



Reviewer: P7EB, 16-Aug-2022 15:34:57

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

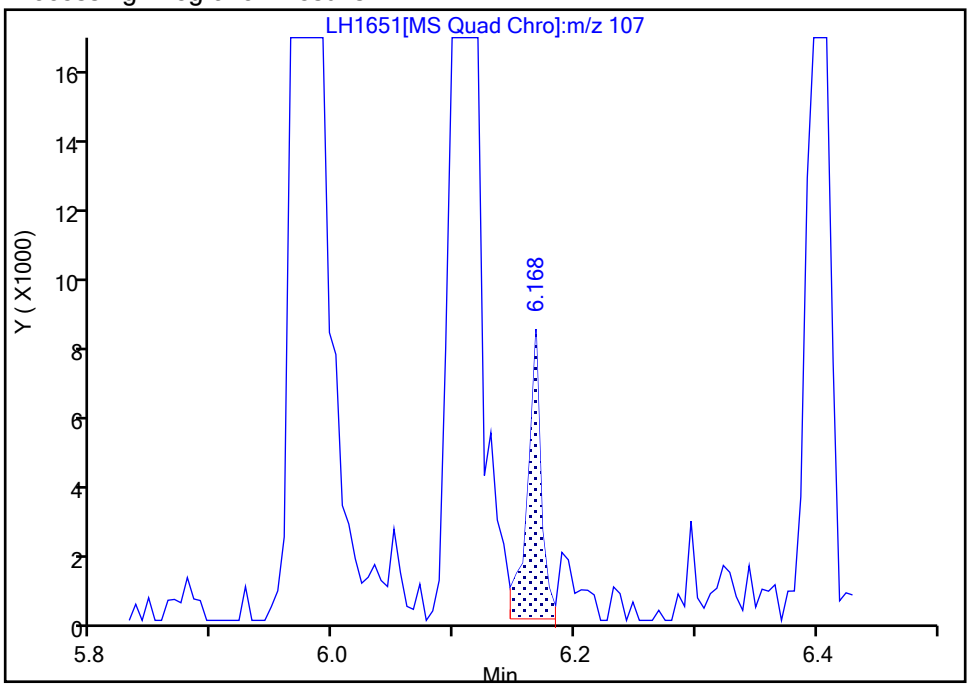
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1651.D				
Injection Date:	16-Aug-2022 15:05:26	Instrument ID:	HP20296		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

66 4-Chloro-3-methylphenol, CAS: 59-50-7

Signal: 1

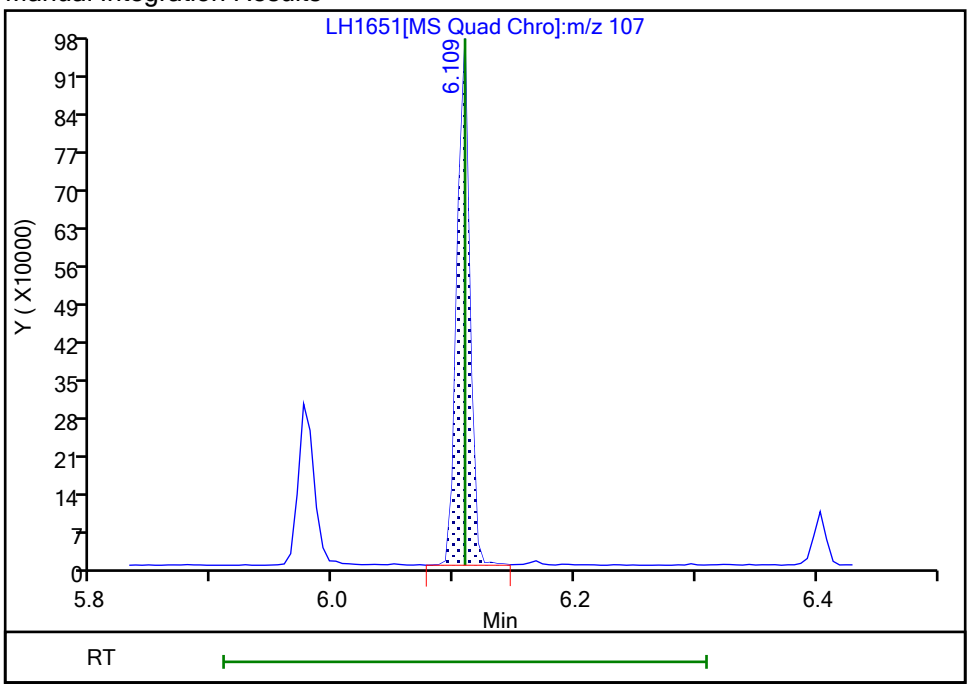
Processing Integration Results

RT: 6.17
Area: 6269
Amount: 0.123594
Amount Units: ug/ml



Manual Integration Results

RT: 6.11
Area: 710408
Amount: 14.005716
Amount Units: ug/ml



Reviewer: P7EB, 16-Aug-2022 15:35:02
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

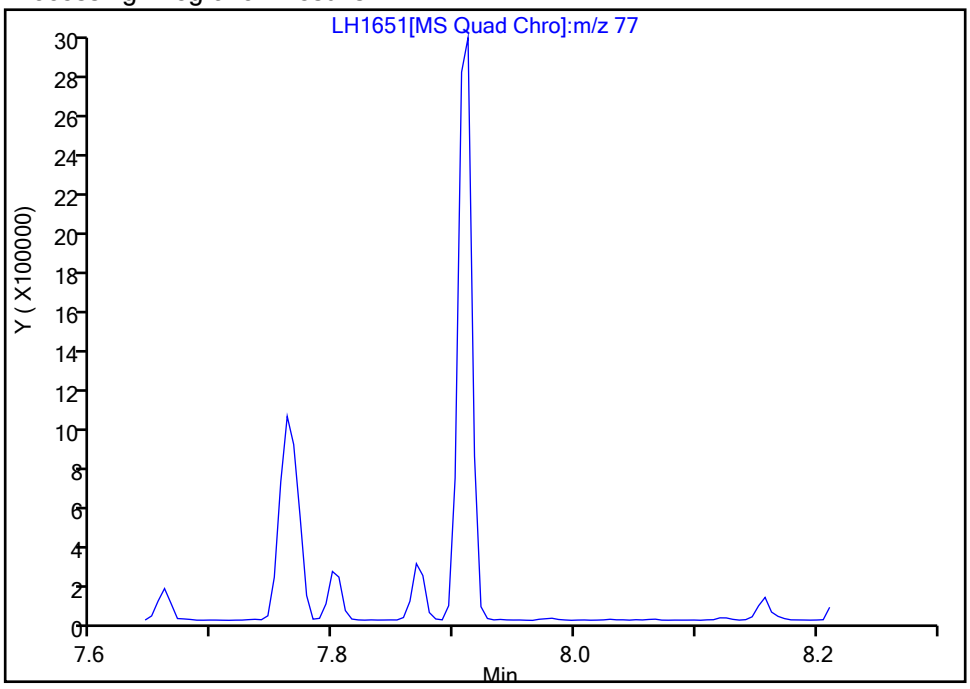
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1651.D				
Injection Date:	16-Aug-2022 15:05:26	Instrument ID:	HP20296		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

112 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

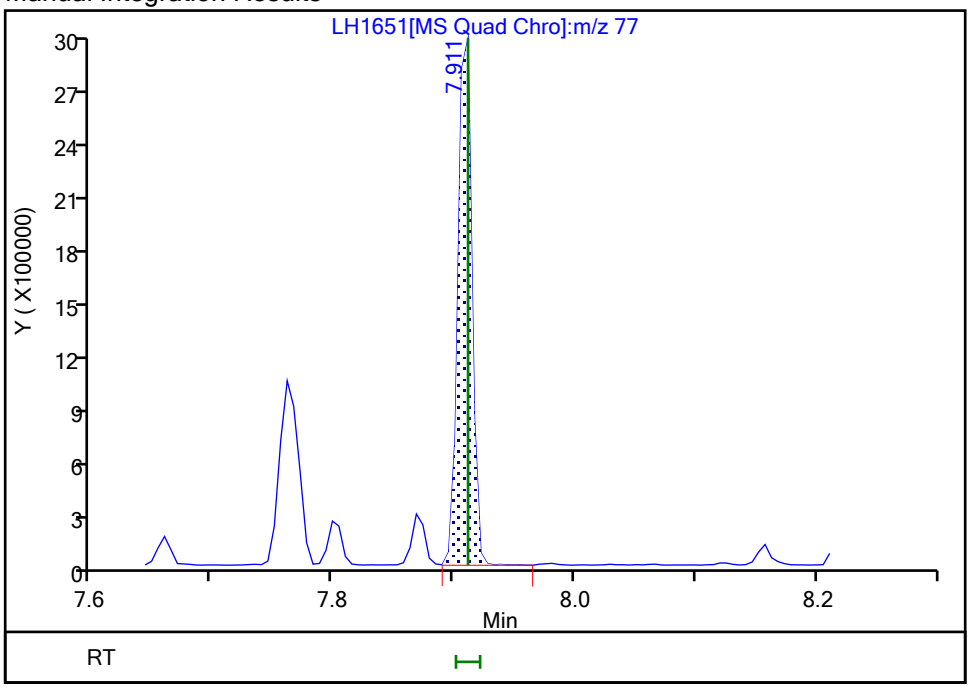
Not Detected
Expected RT: 7.91

Processing Integration Results



Manual Integration Results

RT: 7.91
Area: 2359392
Amount: 13.000848
Amount Units: ug/ml



Reviewer: P7EB, 16-Aug-2022 15:35:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-286564/2 Calibration Date: 08/16/2022 15:05

Instrument ID: HP20296 Calib Start Date: 08/04/2022 18:23

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 08/04/2022 18:23

Lab File ID: LH1651.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
a,a-Dimethylphenethylamine	Ave	0.9031				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1651.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Aug-2022 15:05:26 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub42

Method: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 16-Aug-2022 16:44:11 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: P7EB Date: 16-Aug-2022 15:35:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.723	1.723	0.000	91	340260	12.5	12.2	
2 N-Nitrosodimethylamine	74	1.948	1.948	0.000	95	558402	12.5	13.4	
3 Pyridine	79	1.985	1.985	0.000	98	1737837	25.0	24.9	
4 Dimethylformamide	73	2.274	2.274	0.000	93	638838	12.5	13.3	
5 2-Picoline	93	2.579	2.579	0.000	94	864197	12.5	12.9	
6 N-Nitrosomethylethylamine	88	2.664	2.664	0.000	93	379829	12.5	12.0	
9 Methyl methanesulfonate	80	2.932	2.932	0.000	86	522995	12.5	12.5	
$ 10 2-Fluorophenol	112	3.092	3.092	0.000	94	1430258	25.0	25.6	
11 N-Nitrosodiethylamine	102	3.312	3.312	0.000	96	342899	12.5	12.6	
13 Ethyl methanesulfonate	109	3.600	3.600	0.000	97	378335	12.5	12.5	
15 Benzaldehyde	77	3.932	3.932	0.000	92	620317	12.5	10.2	
$ 16 Phenol-d5	99	3.986	3.986	0.000	97	1938519	25.0	25.7	
17 Phenol	94	3.996	3.996	0.000	99	1034308	12.5	12.9	
18 Aniline	93	4.034	4.034	0.000	96	1236374	12.5	12.7	
19 Bis(2-chloroethyl)ether	93	4.092	4.092	0.000	96	834189	12.5	12.8	
20 2-Chlorophenol	128	4.146	4.146	0.000	94	671378	12.5	12.3	
22 1,3-Dichlorobenzene	146	4.296	4.296	0.000	94	773117	12.5	12.3	
* 24 1,4-Dichlorobenzene-d4	152	4.349	4.349	0.000	96	198542	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.365	4.365	0.000	92	784196	12.5	12.2	
27 Benzyl alcohol	108	4.478	4.478	0.000	88	479363	12.5	11.9	
29 1,2-Dichlorobenzene	146	4.510	4.510	0.000	94	752591	12.5	12.3	
31 2-Methylphenol	108	4.585	4.585	0.000	97	680082	12.5	12.8	
32 2,2'-oxybis[1-chloropropane]	45	4.611	4.611	0.000	93	929095	12.5	12.4	
34 N-Nitrosopyrrolidine	100	4.713	4.713	0.000	88	396713	12.5	12.2	
36 4-Methylphenol	108	4.734	4.734	0.000	60	750335	12.5	12.6	
35 Acetophenone	105	4.734	4.734	0.000	78	1148636	12.5	12.5	
37 N-Nitrosodi-n-propylamine	70	4.734	4.734	0.000	62	719259	12.5	13.0	
38 N-Nitrosomorpholine	56	4.756	4.756	0.000	91	467758	12.5	11.9	
39 2-Toluidine	106	4.766	4.766	0.000	95	1227334	12.5	12.5	
40 Hexachloroethane	117	4.836	4.836	0.000	91	341468	12.5	12.6	
$ 41 Nitrobenzene-d5	82	4.879	4.879	0.000	88	2002102	25.0	26.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Nitrobenzene	77	4.900	4.900	0.000	85	1000222	12.5	12.6	
44 N-Nitrosopiperidine	114	5.045	5.045	0.000	83	353529	12.5	12.8	
46 Isophorone	82	5.125	5.125	0.000	99	1777827	12.5	13.2	
47 2-Nitrophenol	139	5.200	5.200	0.000	93	358062	12.5	15.2	
48 2,4-Dimethylphenol	107	5.242	5.242	0.000	98	813840	12.5	13.2	
49 o,o',o''-Triethylphosphorothioat	198	5.312	5.312	0.000	84	393412	12.5	12.3	
51 Bis(2-chloroethoxy)methane	93	5.339	5.339	0.000	98	1049332	12.5	13.4	
23 alpha,alpha-Dimethyl phenethylam	58		5.424				ND	ND	U
52 2,4-Dichlorophenol	162	5.430	5.430	0.000	97	646568	12.5	13.1	
54 1,2,4-Trichlorobenzene	180	5.510	5.510	0.000	92	747695	12.5	12.6	
* 55 Naphthalene-d8	136	5.563	5.563	0.000	99	709965	5.00	5.00	a
56 Naphthalene	128	5.585	5.585	0.000	98	2060443	12.5	12.7	a
26 Alpha-Terpineol	59	5.601	5.601	0.000	92	761917	12.5	13.7	
57 4-Chloroaniline	127	5.638	5.638	0.000	94	909962	12.5	12.8	
58 2,6-Dichlorophenol	162	5.649	5.649	0.000	96	631697	12.5	12.4	
59 Hexachloropropene	213	5.670	5.670	0.000	88	577235	12.5	13.8	
60 Hexachlorobutadiene	225	5.708	5.708	0.000	95	465886	12.5	12.1	
62 Quinoline	129	5.906	5.906	0.000	94	1356662	12.5	13.8	
64 Caprolactam	113	5.959	5.959	0.000	74	219652	12.5	12.0	
65 N-Nitrosodi-n-butylamine	84	5.965	5.965	0.000	91	829078	12.5	14.2	
33 p-Phenylene diamine	108	5.975	5.975	0.000	94	943773	12.5	12.6	
66 4-Chloro-3-methylphenol	107	6.109	6.109	0.000	94	710408	12.5	14.0	a
67 Safrole, Total	162	6.168	6.168	0.000	85	562711	12.5	12.8	
69 2-Methylnaphthalene	142	6.248	6.248	0.000	89	1390533	12.5	12.9	
70 1-Methylnaphthalene	142	6.339	6.339	0.000	91	1346569	12.5	13.2	
71 Hexachlorocyclopentadiene	237	6.398	6.398	0.000	94	601809	12.5	12.7	
72 1,2,4,5-Tetrachlorobenzene	216	6.403	6.403	0.000	98	880453	12.5	12.0	
73 Isosafrole Peak 1	162	6.446	6.446	0.000	89	109908	2.00	2.07	
74 2,4,6-Trichlorophenol	196	6.515	6.515	0.000	83	568961	12.5	13.2	
75 2,4,5-Trichlorophenol	196	6.553	6.553	0.000	93	605092	12.5	12.9	
$ 76 2-Fluorobiphenyl (Surr)	172	6.601	6.601	0.000	99	3811169	25.0	26.0	
77 Isosafrole Peak 2	162	6.660	6.660	0.000	88	584742	10.5	10.1	
79 1,1'-Biphenyl	154	6.692	6.692	0.000	96	1920834	12.5	13.2	
80 2-Chloronaphthalene	162	6.708	6.708	0.000	98	1459694	12.5	12.6	
81 1-Chloronaphthalene	162	6.729	6.729	0.000	98	1434883	12.5	13.0	
82 Phenyl ether	170	6.794	6.794	0.000	90	1020684	12.5	12.7	
83 2-Nitroaniline	138	6.810	6.810	0.000	76	458240	12.5	13.7	
84 1,4-Naphthoquinone	158	6.879	6.879	0.000	80	546906	12.5	12.1	
85 1,4-Dinitrobenzene	168	6.943	6.943	0.000	86	230557	12.5	14.9	
86 Dimethyl phthalate	163	6.986	6.986	0.000	97	1791997	12.5	12.7	
87 1,3-Dinitrobenzene	168	7.013	7.013	0.000	84	286053	12.5	14.9	
88 2,6-Dinitrotoluene	165	7.040	7.040	0.000	88	393247	12.5	13.6	
90 Acenaphthylene	152	7.104	7.104	0.000	98	2273731	12.5	12.8	
91 3-Nitroaniline	138	7.195	7.195	0.000	90	408380	12.5	14.1	
* 92 Acenaphthene-d10	164	7.232	7.232	0.000	96	478424	5.00	5.00	
93 Acenaphthene	153	7.264	7.264	0.000	98	1596383	12.5	12.8	
94 2,4-Dinitrophenol	184	7.296	7.296	0.000	83	505910	25.0	35.1	
96 4-Nitrophenol	109	7.366	7.366	0.000	91	649115	25.0	30.2	
98 Pentachlorobenzene	250	7.387	7.387	0.000	97	748937	12.5	12.3	
99 2,4-Dinitrotoluene	165	7.419	7.419	0.000	88	526839	12.5	13.6	
100 Dibenzofuran	168	7.430	7.430	0.000	97	2262921	12.5	12.9	
101 1-Naphthylamine	143	7.505	7.505	0.000	97	1524109	12.5	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.548	7.548	0.000	71	574350	12.5	14.0	
103 2-Naphthylamine	143	7.580	7.580	0.000	95	1553349	12.5	12.9	
104 Diethyl phthalate	149	7.660	7.660	0.000	97	1773354	12.5	13.0	
106 Thionazin	107	7.735	7.735	0.000	76	286999	12.5	13.9	
105 Fluorene	166	7.756	7.756	0.000	91	1906239	12.5	13.1	
108 4-Chlorophenyl phenyl ether	204	7.762	7.762	0.000	92	1015984	12.5	12.7	
107 N-Nitro-o-toluidine	152	7.767	7.767	0.000	91	503948	12.5	13.4	
109 4-Nitroaniline	138	7.778	7.778	0.000	79	461096	12.5	13.1	
110 4,6-Dinitro-2-methylphenol	198	7.804	7.804	0.000	84	694273	25.0	32.9	
111 N-Nitrosodiphenylamine	169	7.874	7.874	0.000	99	1350876	10.6	10.8	
112 1,2-Diphenylhydrazine	77	7.911	7.911	0.000	98	2359392	12.5	13.0	a
$ 113 2,4,6-Tribromophenol	330	7.981	7.981	0.000	94	663832	25.0	28.6	
114 Sulfotepp	97	8.029	8.029	0.000	79	362361	12.5	13.1	
175 1,3,5-Trinitrobenzene	213	8.125	8.125	0.000	82	197219	12.5	14.4	
115 cis-Diallate	86	8.147	8.147	0.000	86	629742	9.25	9.52	
116 Phorate	75	8.157	8.157	0.000	95	1379288	12.5	13.7	
117 Phenacetin	108	8.168	8.168	0.000	91	970053	12.5	13.2	
118 4-Bromophenyl phenyl ether	248	8.222	8.222	0.000	68	608718	12.5	12.6	
119 trans-Diallate	86	8.232	8.232	0.000	95	209480	3.25	3.24	
120 Hexachlorobenzene	284	8.270	8.270	0.000	95	672667	12.5	12.5	
121 Dimethoate	87	8.313	8.313	0.000	96	796853	12.5	13.9	
122 Atrazine	200	8.382	8.382	0.000	92	579130	12.5	11.6	
123 Pentachlorophenol	266	8.462	8.462	0.000	92	897121	25.0	28.8	
124 4-Aminobiphenyl	169	8.468	8.468	0.000	91	2255964	12.5	12.7	
125 Pentachloronitrobenzene	237	8.468	8.468	0.000	49	332603	12.5	13.1	
126 Pronamide	173	8.532	8.532	0.000	90	927143	12.5	12.6	
* 127 Phenanthrene-d10	188	8.639	8.639	0.000	96	1045299	5.00	5.00	
128 Dinoseb	211	8.639	8.639	0.000	83	526504	12.5	17.1	
68 Disulfoton	88	8.655	8.655	0.000	96	1375517	12.5	13.2	
129 Phenanthrene	178	8.666	8.666	0.000	97	2905839	12.5	12.4	
130 Anthracene	178	8.714	8.714	0.000	98	3027433	12.5	12.7	
131 Carbazole	167	8.869	8.869	0.000	96	2722876	12.5	12.9	
132 Methyl parathion	109	9.008	9.008	0.000	94	610286	12.5	14.3	
133 Di-n-butyl phthalate	149	9.216	9.216	0.000	100	3147267	12.5	13.5	
134 Ethyl Parathion	109	9.377	9.377	0.000	84	386442	12.5	13.9	
135 4-Nitroquinoline-1-oxide	190	9.398	9.398	0.000	88	233561	12.5	12.6	
136 Octachlorostyrene	308	9.612	9.612	0.000	92	267735	12.5	12.4	
137 Isodrin	193	9.650	9.650	0.000	92	355429	12.5	11.7	
S 63 Diallate	86				0		12.5	12.8	
138 Fluoranthene	202	9.789	9.789	0.000	98	3608112	12.5	13.1	
139 Benzidine	184	9.933	9.933	0.000	99	7165526	37.5	40.5	
* 140 Pyrene-d10 (IS)	212	9.987	9.987	0.000	96	1190672	5.00	5.00	
141 Pyrene	202	10.003	10.003	0.000	97	3888714	12.5	13.1	
$ 142 p-Terphenyl-d14	244	10.169	10.169	0.000	99	6300364	25.0	28.1	
143 p-Dimethylamino azobenzene	225	10.308	10.308	0.000	91	632379	12.5	12.4	
144 Chlorobenzilate	139	10.356	10.356	0.000	95	990436	12.5	14.1	
145 3,3'-Dimethylbenzidine	212	10.650	10.650	0.000	98	2198692	12.5	12.0	
146 Butyl benzyl phthalate	149	10.671	10.671	0.000	96	1488916	12.5	14.5	
147 2-Acetylaminofluorene	181	10.912	10.912	0.000	92	1186058	12.5	12.0	
148 3,3'-Dichlorobenzidine	252	11.244	11.244	0.000	76	1479619	12.5	13.7	
150 4,4'-Methylene bis(2-chloroani	231	11.249	11.249	0.000	95	781427	12.5	13.5	
149 Benzo[a]anthracene	228	11.254	11.254	0.000	97	3963802	12.5	13.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
151 Chrysene	228	11.297	11.297	0.000	96	3699865	12.5	13.0	
152 Bis(2-ethylhexyl) phthalate	149	11.335	11.335	0.000	97	2084843	12.5	13.8	
153 6-Methylchrysene	242	11.848	11.848	0.000	97	2503681	12.5	13.7	
154 Di-n-octyl phthalate	149	12.174	12.174	0.000	99	3283283	12.5	12.2	
156 7,12-Dimethylbenz(a)anthracene	256	12.618	12.618	0.000	74	1576001	12.5	13.7	
155 Benzo[b]fluoranthene	252	12.618	12.618	0.000	96	3820272	12.5	13.9	
157 Benzo[k]fluoranthene	252	12.661	12.661	0.000	97	3696875	12.5	12.9	
158 Benzo[a]pyrene	252	13.062	13.062	0.000	77	3007284	12.5	13.3	
* 159 Perylene-d12	264	13.142	13.142	0.000	98	992799	5.00	5.00	
160 3-Methylcholanthrene	268	13.570	13.570	0.000	90	1660995	12.5	13.8	
161 Dibenz[a,h]acridine	279	14.357	14.357	0.000	90	2335791	12.5	13.6	
162 Dibenz[a,j]acridine	279	14.431	14.431	0.000	95	2681647	12.5	13.5	
163 Indeno[1,2,3-cd]pyrene	276	14.693	14.693	0.000	97	2655722	12.5	13.6	
164 Dibenz(a,h)anthracene	278	14.742	14.742	0.000	92	3087986	12.5	14.2	
165 Benzo[g,h,i]perylene	276	15.116	15.116	0.000	97	3154797	12.5	13.8	
S 166 Isosafrole	162				0		12.5	12.2	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_6_00031 Amount Added: 1.00 Units: mL

Report Date: 16-Aug-2022 16:44:13 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1651.D

Injection Date: 16-Aug-2022 15:05:26 Instrument ID: HP20296 Operator ID: mem41592

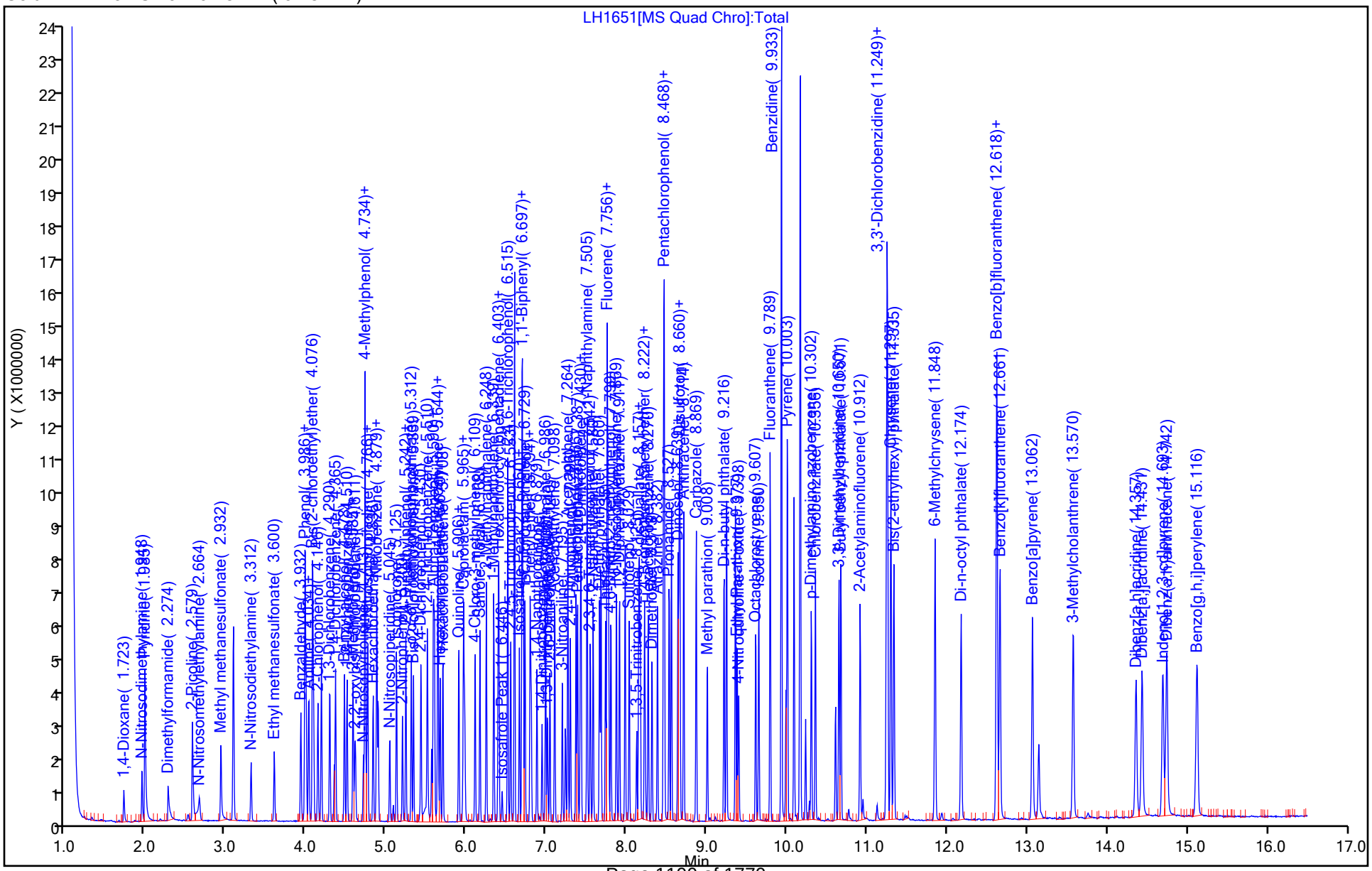
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



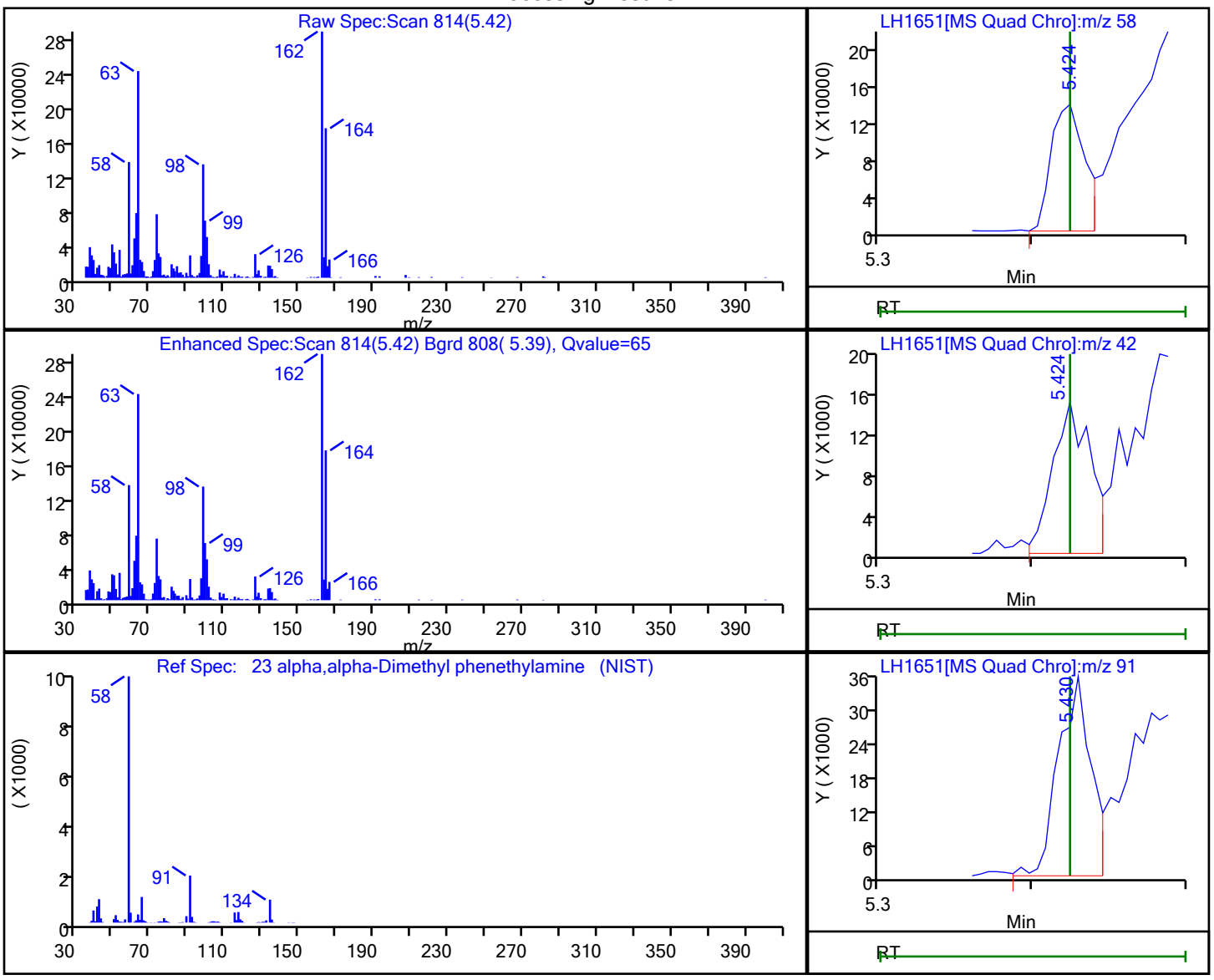
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1651.D				
Injection Date:	16-Aug-2022 15:05:26	Instrument ID:	HP20296		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

23 alpha,alpha-Dimethyl phenethylamine, CAS: 122-09-8

Processing Results



RT	Mass	Response	Amount
5.42	58.00	200178	1.561077
5.42	42.00	24528	
5.43	91.00	50942	
5.41	115.00	5873	
5.42	134.00	16784	

Reviewer: P7EB, 16-Aug-2022 15:34:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

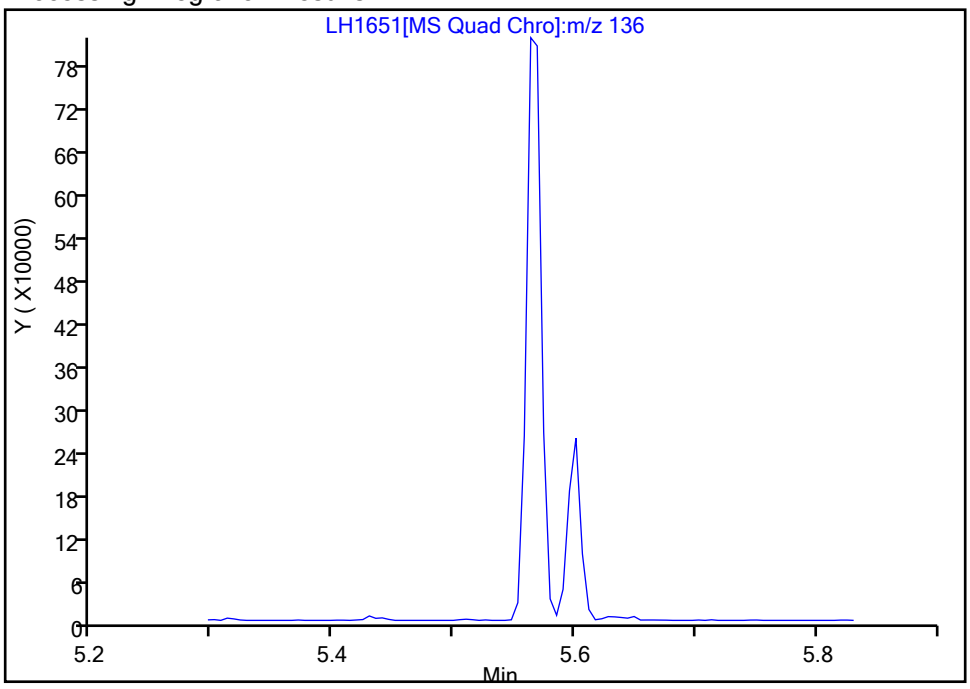
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1651.D				
Injection Date:	16-Aug-2022 15:05:26	Instrument ID:	HP20296		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

* 55 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

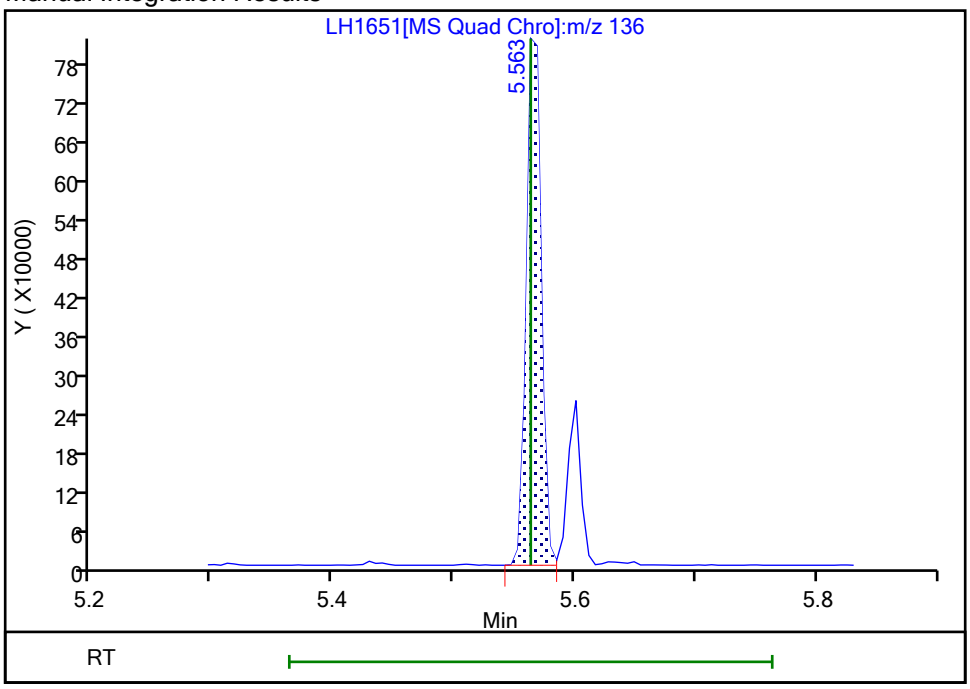
Not Detected
Expected RT: 5.56

Processing Integration Results



Manual Integration Results

RT: 5.56
Area: 709965
Amount: 5.000000
Amount Units: ug/ml



Reviewer: P7EB, 16-Aug-2022 15:33:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-287356/2 Calibration Date: 08/18/2022 16:08

Instrument ID: HP20296 Calib Start Date: 07/22/2022 13:57

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 07/22/2022 16:27

Lab File ID: LH1851.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6995	0.8310		15.0	12.5	18.8	20.0
N-Nitrosodimethylamine	Ave	1.052	1.334		16.0	12.5	26.9*	20.0
Pyridine	Ave	1.757	2.104		30.0	25.0	19.7	20.0
N,N-dimethylformamide	Ave	1.209	1.354		14.0	12.5	12.0	20.0
2-Picoline	Ave	1.692	1.922		14.0	12.5	13.6	20.0
N-Nitrosomethylethylamine	Ave	0.7944	0.8429		13.0	12.5	6.1	20.0
Methyl methanesulfonate	Ave	1.053	1.117		13.0	12.5	6.0	20.0
N-Nitrosodiethylamine	Ave	0.6847	0.7331		13.0	12.5	7.1	20.0
Ethyl methanesulfonate	Ave	0.7634	0.8152		13.0	12.5	6.8	20.0
Benzaldehyde	Ave	1.536	1.307	0.0100	11.0	12.5	-14.9	20.0
Phenol	Ave	2.014	2.293	0.8000	14.0	12.5	13.8	20.0
Aniline	Ave	2.458	2.822		14.0	12.5	14.8	20.0
Bis(2-chloroethyl)ether	Ave	1.636	1.898	0.7000	14.0	12.5	16.0	20.0
2-Chlorophenol	Ave	1.377	1.390	0.8000	13.0	12.5	0.9	20.0
1,3-Dichlorobenzene	Ave	1.579	1.649		13.0	12.5	4.4	20.0
1,4-Dichlorobenzene	Ave	1.620	1.674		13.0	12.5	3.3	20.0
Benzyl alcohol	Ave	1.012	1.153		14.0	12.5	14.0	20.0
1,2-Dichlorobenzene	Ave	1.535	1.622		13.0	12.5	5.7	20.0
2-Methylphenol	Ave	1.339	1.563	0.7000	15.0	12.5	16.8	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.887	1.627	0.0100	11.0	12.5	-13.8	20.0
N-Nitrosopyrrolidine	Ave	0.8214	0.9703		15.0	12.5	18.1	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.498	1.742	0.6000	15.0	12.5	16.3	20.0
Acetophenone	Ave	2.322	2.755	0.0100	15.0	12.5	18.7	20.0
N-Nitrosodi-n-propylamine	Ave	1.393	1.652	0.5000	15.0	12.5	18.6	20.0
N-Nitrosomorpholine	Ave	0.9935	0.9450		12.0	12.5	-4.9	20.0
o-Toluidine	Ave	2.472	2.863		14.0	12.5	15.8	20.0
Hexachloroethane	Ave	0.6820	0.7696	0.3000	14.0	12.5	12.9	20.0
Nitrobenzene	Ave	0.5602	0.5999	0.2000	13.0	12.5	7.1	20.0
N-Nitrosopiperidine	Ave	0.1948	0.2174		14.0	12.5	11.6	20.0
Isophorone	Ave	0.9485	1.075	0.4000	14.0	12.5	13.4	20.0
2-Nitrophenol	Ave	0.1654	0.1974	0.1000	15.0	12.5	19.3	20.0
2,4-Dimethylphenol	Ave	0.4347	0.4659	0.2000	13.0	12.5	7.2	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.2258	0.2647		15.0	12.5	17.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.5518	0.6556	0.3000	15.0	12.5	18.8	20.0
2,4-Dichlorophenol	Ave	0.3465	0.3847	0.2000	14.0	12.5	11.0	20.0
1,2,4-Trichlorobenzene	Ave	0.4174	0.4660		14.0	12.5	11.7	20.0
Naphthalene	Ave	1.144	1.180	0.7000	13.0	12.5	3.1	20.0
a-Terpineol	Ave	0.3929	0.4096		13.0	12.5	4.3	20.0
4-Chloroaniline	Ave	0.5000	0.5280	0.0100	13.0	12.5	5.6	20.0
2,6-Dichlorophenol	Ave	0.3575	0.4074		14.0	12.5	14.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-287356/2 Calibration Date: 08/18/2022 16:08

Instrument ID: HP20296 Calib Start Date: 07/22/2022 13:57

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 07/22/2022 16:27

Lab File ID: LH1851.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2937	0.3528		15.0	12.5	20.1*	20.0
Hexachlorobutadiene	Ave	0.2718	0.3149	0.0100	14.0	12.5	15.8	20.0
Quinoline	Ave	0.6928	0.7633		14.0	12.5	10.2	20.0
Caprolactam	Ave	0.1285	0.1364	0.0100	13.0	12.5	6.1	20.0
N-Nitrosodi-n-butylamine	Ave	0.4126	0.5024		15.0	12.5	21.8*	20.0
1,4-phenylenediamine	Ave	0.5269	0.5692			12.5	8.0	20.0
4-Chloro-3-methylphenol	Ave	0.3572	0.4129	0.2000	14.0	12.5	15.6	20.0
Safrole, Total	Ave	0.3107	0.3398		14.0	12.5	9.4	20.0
2-Methylnaphthalene	Ave	0.7579	0.8319	0.4000	14.0	12.5	9.8	20.0
1-Methylnaphthalene	Ave	0.7211	0.7803		14.0	12.5	8.2	20.0
Hexachlorocyclopentadiene	Ave	0.4960	0.5430	0.0500	14.0	12.5	9.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7666	0.8288	0.0100	14.0	12.5	8.1	20.0
Isosafrole Peak 1	Ave	0.5544	0.5201		1.90	2.00	-6.2	20.0
2,4,6-Trichlorophenol	Ave	0.4502	0.5138	0.2000	14.0	12.5	14.1	20.0
2,4,5-Trichlorophenol	Ave	0.4894	0.5390	0.2000	14.0	12.5	10.1	20.0
Isosafrole Peak 2	Ave	0.6022	0.6022		11.0	10.5	0.0	20.0
1,1'-Biphenyl	Ave	1.525	1.630	0.0100	13.0	12.5	6.9	20.0
2-Chloronaphthalene	Ave	1.214	1.241	0.8000	13.0	12.5	2.2	20.0
1-Chloronaphthalene	Ave	1.149	1.244		14.0	12.5	8.3	20.0
Diphenyl ether	Ave	0.8421	0.8818		13.0	12.5	4.7	20.0
2-Nitroaniline	Ave	0.3503	0.3759	0.0100	13.0	12.5	7.3	20.0
1,4-Naphthoquinone	Ave	0.4742	0.4910		13.0	12.5	3.6	20.0
1,4-Dinitrobenzene	Ave	0.1622	0.1985		15.0	12.5	22.4*	20.0
Dimethyl phthalate	Ave	1.469	1.534	0.0100	13.0	12.5	4.4	20.0
1,3-Dinitrobenzene	Ave	0.2001	0.2549		16.0	12.5	27.4*	20.0
2,6-Dinitrotoluene	Ave	0.3012	0.3335	0.2000	14.0	12.5	10.7	20.0
Acenaphthylene	Ave	1.855	1.905	0.9000	13.0	12.5	2.7	20.0
3-Nitroaniline	Ave	0.3032	0.3307	0.0100	14.0	12.5	9.1	20.0
Acenaphthene	Ave	1.300	1.320	0.9000	13.0	12.5	1.6	20.0
2,4-Dinitrophenol	Lin1		0.2076	0.0100	34.0	25.0	37.9*	20.0
4-Nitrophenol	Ave	0.2249	0.2653	0.0100	29.0	25.0	18.0	20.0
Pentachlorobenzene	Ave	0.6349	0.7141		14.0	12.5	12.5	20.0
2,4-Dinitrotoluene	Ave	0.4045	0.4731	0.2000	15.0	12.5	16.9	20.0
Dibenzofuran	Ave	1.829	1.967	0.8000	13.0	12.5	7.5	20.0
1-Naphthylamine	Ave	1.241	1.235		12.0	12.5	-0.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.4283	0.5214	0.0100	15.0	12.5	21.8*	20.0
2-Naphthylamine	Ave	1.257	1.283		13.0	12.5	2.0	20.0
Diethyl phthalate	Ave	1.420	1.460	0.0100	13.0	12.5	2.8	20.0
Thionazin	Ave	0.2165	0.2316		13.0	12.5	7.0	20.0
Fluorene	Ave	1.524	1.621	0.9000	13.0	12.5	6.4	20.0
4-Chlorophenyl-phenyl ether	Ave	0.8332	0.9532	0.4000	14.0	12.5	14.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-287356/2 Calibration Date: 08/18/2022 16:08

Instrument ID: HP20296 Calib Start Date: 07/22/2022 13:57

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 07/22/2022 16:27

Lab File ID: LH1851.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
5-Nitro-o-toluidine	Ave	0.3931	0.4221		13.0	12.5	7.4	20.0
4-Nitroaniline	Ave	0.3673	0.3671	0.0100	12.0	12.5	-0.0	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1268	0.0100	31.0	25.0	26.0*	20.0
N-Nitrosodiphenylamine	Ave	0.5956	0.5972	0.0100	11.0	10.6	0.3	20.0
1,2-Diphenylhydrazine	Ave	0.8681	0.8870		13.0	12.5	2.2	20.0
Sulfotepp	Ave	0.1324	0.1299		12.0	12.5	-1.9	20.0
1,3,5-Trinitrobenzene	Ave	0.0656	0.0818			12.5	24.7*	20.0
cis-Diallate	Ave	0.3165	0.3213		9.40	9.25	1.5	20.0
Phorate	Ave	0.4822	0.5045		13.0	12.5	4.6	20.0
Phenacetin	Ave	0.3527	0.3536		13.0	12.5	0.2	20.0
4-Bromophenyl-phenylether	Ave	0.2309	0.2372	0.1000	13.0	12.5	2.7	20.0
trans-Diallate	Ave	0.3093	0.3291		3.50	3.25	6.4	20.0
Hexachlorobenzene	Ave	0.2581	0.2680	0.1000	13.0	12.5	3.9	20.0
Dimethoate	Ave	0.2748	0.2974		14.0	12.5	8.2	20.0
Atrazine	Ave	0.2380	0.2316	0.0100	12.0	12.5	-2.7	20.0
Pentachlorophenol	Ave	0.1488	0.1783	0.0500	30.0	25.0	19.9	20.0
Pentachloronitrobenzene	Ave	0.1210	0.1322		14.0	12.5	9.2	20.0
4-Aminobiphenyl	Ave	0.8510	0.8539		13.0	12.5	0.3	20.0
Pronamide	Ave	0.3525	0.3432		12.0	12.5	-2.6	20.0
Dinoseb	Lin1		0.1959		17.0	12.5	33.0*	20.0
Disulfoton	Ave	0.4993	0.5264		13.0	12.5	5.4	20.0
Phenanthrene	Ave	1.122	1.135	0.7000	13.0	12.5	1.2	20.0
Anthracene	Ave	1.139	1.132	0.7000	12.0	12.5	-0.6	20.0
Carbazole	Ave	1.007	1.015	0.0100	13.0	12.5	0.8	20.0
Methyl parathion	Ave	0.2046	0.2246		14.0	12.5	9.8	20.0
Di-n-butyl phthalate	Ave	1.116	1.106	0.0100	12.0	12.5	-0.9	20.0
Parathion	Ave	0.1334	0.1398		13.0	12.5	4.7	20.0
4-Nitroquinoline-1-oxide	Qua2		0.0782		11.0	12.5	-9.7	20.0
Octachlorostyrene	Ave	0.1033	0.1037		13.0	12.5	0.3	20.0
Isodrin	Ave	0.1452	0.1352		12.0	12.5	-6.9	20.0
Fluoranthene	Ave	1.314	1.416	0.6000	13.0	12.5	7.7	20.0
Benzidine	Ave	0.7423	0.8301		42.0	37.5	11.8	20.0
Pyrene	Ave	1.251	1.313	0.6000	13.0	12.5	5.0	20.0
p-Dimethylamino azobenzene	Ave	0.2134	0.2173		13.0	12.5	1.8	20.0
Chlorobenzilate	Ave	0.2952	0.2838		12.0	12.5	-3.9	20.0
3,3'-Dimethylbenzidine	Ave	0.7692	0.7205		12.0	12.5	-6.3	20.0
Butylbenzylphthalate	Ave	0.4317	0.4488	0.0100	13.0	12.5	4.0	20.0
2-Acetylaminofluorene	Ave	0.4149	0.3775		11.0	12.5	-9.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4546	0.4986	0.0100	14.0	12.5	9.7	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2427	0.2682		14.0	12.5	10.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-287356/2 Calibration Date: 08/18/2022 16:08

Instrument ID: HP20296 Calib Start Date: 07/22/2022 13:57

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 07/22/2022 16:27

Lab File ID: LH1851.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.210	1.330	0.8000	14.0	12.5	10.0	20.0
Chrysene	Ave	1.192	1.302	0.7000	14.0	12.5	9.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6327	0.6193	0.0100	12.0	12.5	-2.1	20.0
6-Methylchrysene	Ave	0.7658	0.8211		13.0	12.5	7.2	20.0
Di-n-octyl phthalate	Lin1		1.199	0.0100	11.0	12.5	-11.0	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5799	0.6879		15.0	12.5	18.6	20.0
Benzo[b]fluoranthene	Ave	1.380	1.546	0.7000	14.0	12.5	12.0	20.0
Benzo[k]fluoranthene	Ave	1.440	1.676	0.7000	15.0	12.5	16.4	20.0
Benzo[a]pyrene	Ave	1.141	1.275	0.7000	14.0	12.5	11.8	20.0
3-Methylcholanthrene	Ave	0.6065	0.6275		13.0	12.5	3.5	20.0
Dibenz[a,h]acridine	Ave	0.8620	0.8357		12.0	12.5	-3.1	20.0
Dibenz[a,j]acridine	Ave	1.002	1.096		14.0	12.5	9.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9814	0.9692	0.5000	12.0	12.5	-1.2	20.0
Dibenz(a,h)anthracene	Ave	1.092	1.188	0.4000	14.0	12.5	8.8	20.0
Benzo[g,h,i]perylene	Ave	1.151	1.230	0.5000	13.0	12.5	6.9	20.0
2-Fluorophenol (Surr)	Ave	1.408	1.470		26.0	25.0	4.4	20.0
Phenol-d5 (Surr)	Ave	1.901	2.193		29.0	25.0	15.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5250	0.6128		29.0	25.0	16.7	20.0
2-Fluorobiphenyl (Surr)	Ave	1.531	1.699		28.0	25.0	10.9	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2426	0.2683		28.0	25.0	10.6	20.0
p-Terphenyl-d14 (Surr)	Ave	0.9419	1.093		29.0	25.0	16.1	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1851.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Aug-2022 16:08:01 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub42

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 18-Aug-2022 17:52:06 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: P7EB Date: 18-Aug-2022 16:36:42

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.691	1.691	0.000	89	281815	12.5	14.9	
	2 N-Nitrosodimethylamine	74	1.916	1.916	0.000	89	452516	12.5	15.9	
	3 Pyridine	79	1.953	1.953	0.000	94	1426674	25.0	29.9	
	4 Dimethylformamide	73	2.242	2.242	0.000	87	459048	12.5	14.0	
	5 2-Picoline	93	2.547	2.547	0.000	94	651644	12.5	14.2	
	6 N-Nitrosomethylethylamine	88	2.627	2.627	0.000	87	285825	12.5	13.3	
	9 Methyl methanesulfonate	80	2.900	2.900	0.000	85	378691	12.5	13.3	
$	10 2-Fluorophenol	112	3.055	3.055	0.000	93	996993	25.0	26.1	
	11 N-Nitrosodiethylamine	102	3.274	3.274	0.000	89	248583	12.5	13.4	
	13 Ethyl methanesulfonate	109	3.568	3.568	0.000	97	276448	12.5	13.3	
	15 Benzaldehyde	77	3.895	3.895	0.000	93	443212	12.5	10.6	
$	16 Phenol-d5	99	3.953	3.953	0.000	99	1487394	25.0	28.8	
	17 Phenol	94	3.964	3.964	0.000	98	777460	12.5	14.2	
	18 Aniline	93	3.996	3.996	0.000	98	957078	12.5	14.4	
	19 Bis(2-chloroethyl)ether	93	4.060	4.060	0.000	98	643520	12.5	14.5	
	20 2-Chlorophenol	128	4.109	4.109	0.000	95	471261	12.5	12.6	
	22 1,3-Dichlorobenzene	146	4.258	4.258	0.000	94	559117	12.5	13.1	
*	24 1,4-Dichlorobenzene-d4	152	4.317	4.317	0.000	97	135643	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.333	4.333	0.000	90	567547	12.5	12.9	
	27 Benzyl alcohol	108	4.446	4.446	0.000	89	391004	12.5	14.2	
	29 1,2-Dichlorobenzene	146	4.472	4.472	0.000	93	550145	12.5	13.2	
	31 2-Methylphenol	108	4.553	4.553	0.000	96	530176	12.5	14.6	
	32 2,2'-oxybis[1-chloropropane]	45	4.579	4.579	0.000	90	551769	12.5	10.8	
	34 N-Nitrosopyrrolidine	100	4.681	4.681	0.000	95	329049	12.5	14.8	
	36 4-Methylphenol	108	4.702	4.702	0.000	64	590796	12.5	14.5	
	35 Acetophenone	105	4.702	4.702	0.000	84	934390	12.5	14.8	
	37 N-Nitrosodi-n-propylamine	70	4.702	4.702	0.000	74	560308	12.5	14.8	
	38 N-Nitrosomorpholine	56	4.724	4.724	0.000	88	320446	12.5	11.9	
	39 2-Toluidine	106	4.734	4.734	0.000	95	970936	12.5	14.5	
	40 Hexachloroethane	117	4.799	4.799	0.000	89	260994	12.5	14.1	
$	41 Nitrobenzene-d5	82	4.847	4.847	0.000	86	1609527	25.0	29.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Nitrobenzene	77	4.863	4.863	0.000	82	787939	12.5	13.4	
44 N-Nitrosopiperidine	114	5.012	5.012	0.000	90	285551	12.5	13.9	
46 Isophorone	82	5.093	5.093	0.000	98	1412182	12.5	14.2	
47 2-Nitrophenol	139	5.168	5.168	0.000	95	259303	12.5	14.9	
48 2,4-Dimethylphenol	107	5.210	5.210	0.000	98	611891	12.5	13.4	
49 o,o',o''-Triethylphosphorothioat	198	5.280	5.280	0.000	79	347649	12.5	14.7	
51 Bis(2-chloroethoxy)methane	93	5.307	5.307	0.000	98	861053	12.5	14.9	
23 alpha,alpha-Dimethyl phenethylam	58		5.387				ND	ND	U
52 2,4-Dichlorophenol	162	5.398	5.398	0.000	96	505198	12.5	13.9	
54 1,2,4-Trichlorobenzene	180	5.478	5.478	0.000	92	612029	12.5	14.0	
* 55 Naphthalene-d8	136	5.531	5.531	0.000	99	525340	5.00	5.00	
56 Naphthalene	128	5.553	5.553	0.000	99	1549951	12.5	12.9	
26 Alpha-Terpineol	59	5.569	5.569	0.000	92	537957	12.5	13.0	
57 4-Chloroaniline	127	5.606	5.606	0.000	94	693461	12.5	13.2	
58 2,6-Dichlorophenol	162	5.617	5.617	0.000	95	535083	12.5	14.2	
59 Hexachloropropene	213	5.638	5.638	0.000	86	463334	12.5	15.0	
60 Hexachlorobutadiene	225	5.676	5.676	0.000	93	413510	12.5	14.5	
62 Quinoline	129	5.874	5.874	0.000	94	1002421	12.5	13.8	
64 Caprolactam	113	5.932	5.932	0.000	55	179099	12.5	13.3	
65 N-Nitrosodi-n-butylamine	84	5.932	5.932	0.000	86	659809	12.5	15.2	
33 p-Phenylene diamine	108	5.949	5.949	0.000	95	747618	12.5	13.5	
66 4-Chloro-3-methylphenol	107	6.077	6.077	0.000	93	542225	12.5	14.4	
67 Safrole, Total	162	6.136	6.136	0.000	89	446336	12.5	13.7	
69 2-Methylnaphthalene	142	6.216	6.216	0.000	91	1092551	12.5	13.7	
70 1-Methylnaphthalene	142	6.307	6.307	0.000	91	1024802	12.5	13.5	
71 Hexachlorocyclopentadiene	237	6.366	6.366	0.000	93	516155	12.5	13.7	
72 1,2,4,5-Tetrachlorobenzene	216	6.371	6.371	0.000	97	787836	12.5	13.5	
73 Isosafrole Peak 1	162	6.414	6.414	0.000	89	79100	2.00	1.88	
74 2,4,6-Trichlorophenol	196	6.483	6.483	0.000	84	488440	12.5	14.3	
75 2,4,5-Trichlorophenol	196	6.521	6.521	0.000	93	512403	12.5	13.8	
$ 76 2-Fluorobiphenyl (Surr)	172	6.569	6.569	0.000	100	3229791	25.0	27.7	
77 Isosafrole Peak 2	162	6.628	6.628	0.000	91	480887	10.5	10.5	
79 1,1'-Biphenyl	154	6.665	6.665	0.000	97	1549846	12.5	13.4	
80 2-Chloronaphthalene	162	6.676	6.676	0.000	97	1179340	12.5	12.8	
81 1-Chloronaphthalene	162	6.697	6.697	0.000	99	1182868	12.5	13.5	
82 Phenyl ether	170	6.767	6.767	0.000	87	838220	12.5	13.1	
83 2-Nitroaniline	138	6.778	6.778	0.000	75	357315	12.5	13.4	
84 1,4-Naphthoquinone	158	6.847	6.847	0.000	82	466791	12.5	12.9	
85 1,4-Dinitrobenzene	168	6.917	6.917	0.000	84	188684	12.5	15.3	
86 Dimethyl phthalate	163	6.959	6.959	0.000	98	1458401	12.5	13.1	
87 1,3-Dinitrobenzene	168	6.981	6.981	0.000	83	242329	12.5	15.9	
88 2,6-Dinitrotoluene	165	7.013	7.013	0.000	91	316995	12.5	13.8	
90 Acenaphthylene	152	7.072	7.072	0.000	99	1810614	12.5	12.8	
91 3-Nitroaniline	138	7.168	7.168	0.000	90	314331	12.5	13.6	
* 92 Acenaphthene-d10	164	7.205	7.205	0.000	95	380250	5.00	5.00	
93 Acenaphthene	153	7.232	7.232	0.000	98	1255168	12.5	12.7	
94 2,4-Dinitrophenol	184	7.270	7.270	0.000	87	394767	25.0	34.5	
96 4-Nitrophenol	109	7.339	7.339	0.000	88	504468	25.0	29.5	
98 Pentachlorobenzene	250	7.355	7.355	0.000	98	678883	12.5	14.1	
99 2,4-Dinitrotoluene	165	7.393	7.393	0.000	87	449702	12.5	14.6	
100 Dibenzofuran	168	7.398	7.398	0.000	97	1869687	12.5	13.4	
101 1-Naphthylamine	143	7.473	7.473	0.000	97	1174393	12.5	12.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.516	7.516	0.000	70	495681	12.5	15.2	
103 2-Naphthylamine	143	7.553	7.553	0.000	95	1219198	12.5	12.8	
104 Diethyl phthalate	149	7.633	7.633	0.000	98	1387904	12.5	12.8	
106 Thionazin	107	7.708	7.708	0.000	77	220209	12.5	13.4	
105 Fluorene	166	7.724	7.724	0.000	91	1540715	12.5	13.3	
108 4-Chlorophenyl phenyl ether	204	7.730	7.730	0.000	88	906155	12.5	14.3	
107 N-Nitro-o-toluidine	152	7.740	7.740	0.000	88	401292	12.5	13.4	
109 4-Nitroaniline	138	7.746	7.746	0.000	78	349003	12.5	12.5	
110 4,6-Dinitro-2-methylphenol	198	7.772	7.772	0.000	90	558409	25.0	31.5	
111 N-Nitrosodiphenylamine	169	7.842	7.842	0.000	98	1117818	10.6	10.7	
112 1,2-Diphenylhydrazine	77	7.879	7.879	0.000	99	1953142	12.5	12.8	
$ 113 2,4,6-Tribromophenol	330	7.949	7.949	0.000	94	510036	25.0	27.6	
114 Sulfotepp	97	8.002	8.002	0.000	78	286017	12.5	12.3	
175 1,3,5-Trinitrobenzene	213	8.099	8.099	0.000	83	180094	12.5	15.6	
115 cis-Diallate	86	8.120	8.120	0.000	88	523611	9.25	9.39	
116 Phorate	75	8.125	8.125	0.000	95	1111011	12.5	13.1	
117 Phenacetin	108	8.141	8.141	0.000	92	778668	12.5	12.5	
118 4-Bromophenyl phenyl ether	248	8.195	8.195	0.000	65	522229	12.5	12.8	
119 trans-Diallate	86	8.200	8.200	0.000	89	188421	3.25	3.46	
120 Hexachlorobenzene	284	8.238	8.238	0.000	96	590204	12.5	13.0	
121 Dimethoate	87	8.286	8.286	0.000	95	654937	12.5	13.5	
122 Atrazine	200	8.355	8.355	0.000	93	509924	12.5	12.2	
123 Pentachlorophenol	266	8.430	8.430	0.000	94	785193	25.0	30.0	
125 Pentachloronitrobenzene	237	8.436	8.436	0.000	80	291087	12.5	13.7	
124 4-Aminobiphenyl	169	8.441	8.441	0.000	91	1880387	12.5	12.5	
126 Pronamide	173	8.500	8.500	0.000	90	755808	12.5	12.2	
* 127 Phenanthrene-d10	188	8.612	8.612	0.000	97	880817	5.00	5.00	
128 Dinoseb	211	8.612	8.612	0.000	81	431489	12.5	16.6	
68 Disulfoton	88	8.623	8.623	0.000	95	1159150	12.5	13.2	
129 Phenanthrene	178	8.634	8.634	0.000	97	2500365	12.5	12.6	
130 Anthracene	178	8.682	8.682	0.000	98	2493061	12.5	12.4	
131 Carbazole	167	8.837	8.837	0.000	96	2234709	12.5	12.6	
132 Methyl parathion	109	8.976	8.976	0.000	93	494676	12.5	13.7	
133 Di-n-butyl phthalate	149	9.184	9.184	0.000	100	2434616	12.5	12.4	
134 Ethyl Parathion	109	9.350	9.350	0.000	84	307742	12.5	13.1	
135 4-Nitroquinoline-1-oxide	190	9.372	9.372	0.000	84	172271	12.5	11.3	
136 Octachlorostyrene	308	9.580	9.580	0.000	85	228291	12.5	12.5	
137 Isodrin	193	9.618	9.618	0.000	92	297687	12.5	11.6	
S 63 Diallate	86				0		12.5	12.8	
138 Fluoranthene	202	9.762	9.762	0.000	98	3118280	12.5	13.5	
139 Benzidine	184	9.901	9.901	0.000	99	6236899	37.5	41.9	
* 140 Pyrene-d10 (IS)	212	9.955	9.955	0.000	95	1001751	5.00	5.00	
141 Pyrene	202	9.976	9.976	0.000	97	3287741	12.5	13.1	
$ 142 p-Terphenyl-d14	244	10.136	10.136	0.000	98	5475427	25.0	29.0	
143 p-Dimethylamino azobenzene	225	10.276	10.276	0.000	88	544104	12.5	12.7	
144 Chlorobenzilate	139	10.324	10.324	0.000	97	710675	12.5	12.0	
145 3,3'-Dimethylbenzidine	212	10.618	10.618	0.000	99	1804422	12.5	11.7	
146 Butyl benzyl phthalate	149	10.639	10.639	0.000	95	1123974	12.5	13.0	
147 2-Acetylaminofluorene	181	10.880	10.880	0.000	91	945358	12.5	11.4	
148 3,3'-Dichlorobenzidine	252	11.206	11.206	0.000	77	1248651	12.5	13.7	
150 4,4'-Methylene bis(2-chloroani	231	11.217	11.217	0.000	96	671742	12.5	13.8	
149 Benzo[a]anthracene	228	11.217	11.217	0.000	97	3331380	12.5	13.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
151 Chrysene	228	11.260	11.260	0.000	96	3259622	12.5	13.6	
152 Bis(2-ethylhexyl) phthalate	149	11.302	11.302	0.000	97	1551060	12.5	12.2	
153 6-Methylchrysene	242	11.811	11.811	0.000	97	2056234	12.5	13.4	
154 Di-n-octyl phthalate	149	12.132	12.132	0.000	99	2319384	12.5	11.1	
156 7,12-Dimethylbenz(a)anthracene	256	12.575	12.575	0.000	73	1330974	12.5	14.8	
155 Benzo[b]fluoranthene	252	12.575	12.575	0.000	96	2990628	12.5	14.0	
157 Benzo[k]fluoranthene	252	12.613	12.613	0.000	98	3243619	12.5	14.6	
158 Benzo[a]pyrene	252	13.019	13.019	0.000	76	2467496	12.5	14.0	
* 159 Perylene-d12	264	13.094	13.094	0.000	98	773963	5.00	5.00	
160 3-Methylcholanthrene	268	13.522	13.522	0.000	89	1214219	12.5	12.9	
161 Dibenz[a,h]acridine	279	14.303	14.303	0.000	90	1616908	12.5	12.1	
162 Dibenz[a,j]acridine	279	14.378	14.378	0.000	96	2119714	12.5	13.7	
163 Indeno[1,2,3-cd]pyrene	276	14.629	14.629	0.000	98	1875329	12.5	12.3	
164 Dibenz(a,h)anthracene	278	14.677	14.677	0.000	93	2299431	12.5	13.6	
165 Benzo[g,h,i]perylene	276	15.052	15.052	0.000	97	2379111	12.5	13.4	
S 166 Isosafrole	162				0		12.5	12.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_6_00031 Amount Added: 1.00 Units: mL

Report Date: 18-Aug-2022 17:52:07 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1851.D

Injection Date: 18-Aug-2022 16:08:01 Instrument ID: HP20296 Operator ID: mem41592

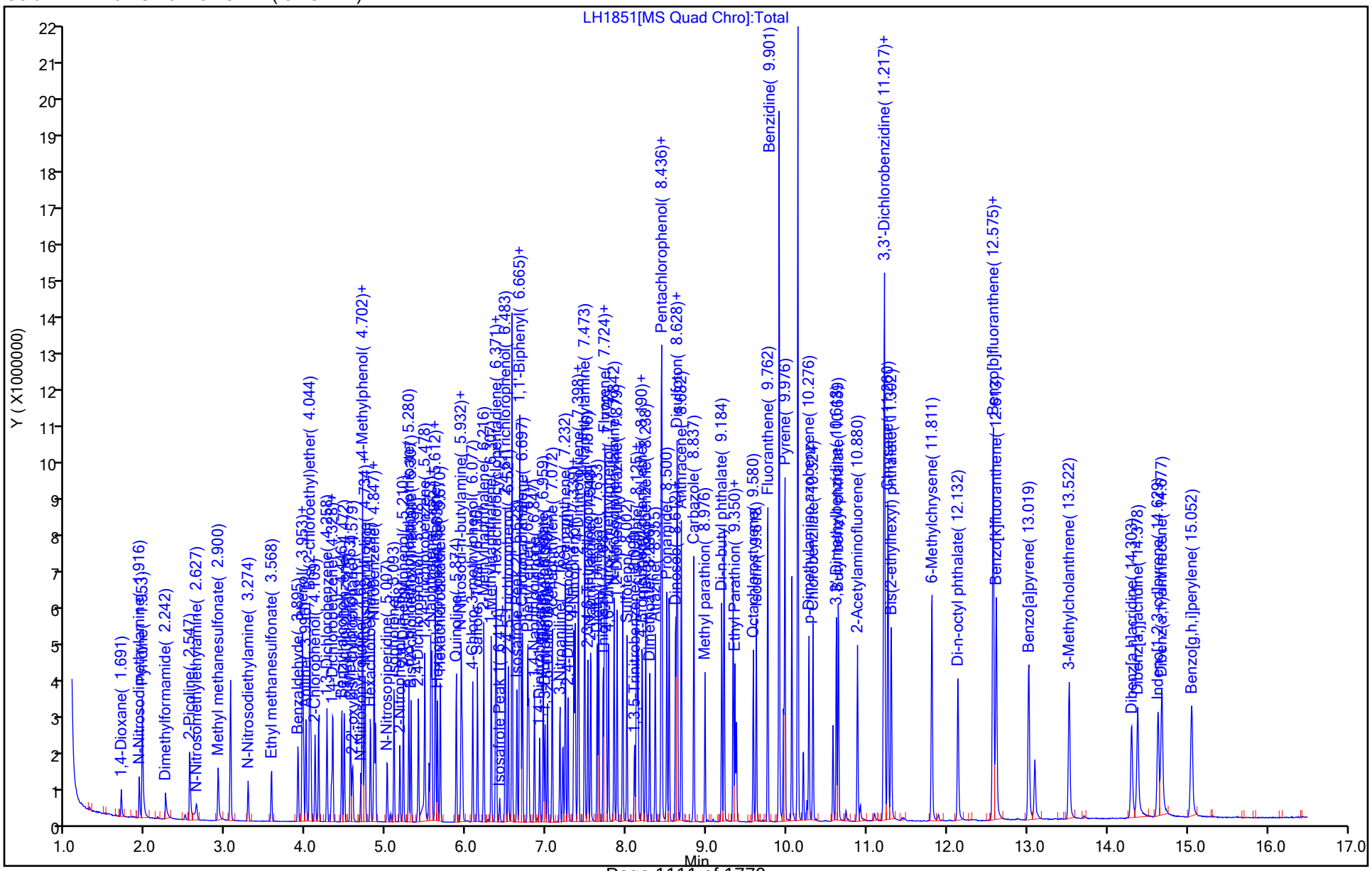
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-287356/2 Calibration Date: 08/18/2022 16:08

Instrument ID: HP20296 Calib Start Date: 08/04/2022 18:23

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 08/04/2022 18:23

Lab File ID: LH1851.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
a,a-Dimethylphenethylamine	Ave	0.9031				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1851.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Aug-2022 16:08:01 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub42

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 18-Aug-2022 17:52:06 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: P7EB Date: 18-Aug-2022 16:36:42

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.691	1.691	0.000	89	281815	12.5	14.9	
	2 N-Nitrosodimethylamine	74	1.916	1.916	0.000	89	452516	12.5	15.9	
	3 Pyridine	79	1.953	1.953	0.000	94	1426674	25.0	29.9	
	4 Dimethylformamide	73	2.242	2.242	0.000	87	459048	12.5	14.0	
	5 2-Picoline	93	2.547	2.547	0.000	94	651644	12.5	14.2	
	6 N-Nitrosomethylethylamine	88	2.627	2.627	0.000	87	285825	12.5	13.3	
	9 Methyl methanesulfonate	80	2.900	2.900	0.000	85	378691	12.5	13.3	
$	10 2-Fluorophenol	112	3.055	3.055	0.000	93	996993	25.0	26.1	
	11 N-Nitrosodiethylamine	102	3.274	3.274	0.000	89	248583	12.5	13.4	
	13 Ethyl methanesulfonate	109	3.568	3.568	0.000	97	276448	12.5	13.3	
	15 Benzaldehyde	77	3.895	3.895	0.000	93	443212	12.5	10.6	
$	16 Phenol-d5	99	3.953	3.953	0.000	99	1487394	25.0	28.8	
	17 Phenol	94	3.964	3.964	0.000	98	777460	12.5	14.2	
	18 Aniline	93	3.996	3.996	0.000	98	957078	12.5	14.4	
	19 Bis(2-chloroethyl)ether	93	4.060	4.060	0.000	98	643520	12.5	14.5	
	20 2-Chlorophenol	128	4.109	4.109	0.000	95	471261	12.5	12.6	
	22 1,3-Dichlorobenzene	146	4.258	4.258	0.000	94	559117	12.5	13.1	
*	24 1,4-Dichlorobenzene-d4	152	4.317	4.317	0.000	97	135643	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.333	4.333	0.000	90	567547	12.5	12.9	
	27 Benzyl alcohol	108	4.446	4.446	0.000	89	391004	12.5	14.2	
	29 1,2-Dichlorobenzene	146	4.472	4.472	0.000	93	550145	12.5	13.2	
	31 2-Methylphenol	108	4.553	4.553	0.000	96	530176	12.5	14.6	
	32 2,2'-oxybis[1-chloropropane]	45	4.579	4.579	0.000	90	551769	12.5	10.8	
	34 N-Nitrosopyrrolidine	100	4.681	4.681	0.000	95	329049	12.5	14.8	
	36 4-Methylphenol	108	4.702	4.702	0.000	64	590796	12.5	14.5	
	35 Acetophenone	105	4.702	4.702	0.000	84	934390	12.5	14.8	
	37 N-Nitrosodi-n-propylamine	70	4.702	4.702	0.000	74	560308	12.5	14.8	
	38 N-Nitrosomorpholine	56	4.724	4.724	0.000	88	320446	12.5	11.9	
	39 2-Toluidine	106	4.734	4.734	0.000	95	970936	12.5	14.5	
	40 Hexachloroethane	117	4.799	4.799	0.000	89	260994	12.5	14.1	
$	41 Nitrobenzene-d5	82	4.847	4.847	0.000	86	1609527	25.0	29.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Nitrobenzene	77	4.863	4.863	0.000	82	787939	12.5	13.4	
44 N-Nitrosopiperidine	114	5.012	5.012	0.000	90	285551	12.5	13.9	
46 Isophorone	82	5.093	5.093	0.000	98	1412182	12.5	14.2	
47 2-Nitrophenol	139	5.168	5.168	0.000	95	259303	12.5	14.9	
48 2,4-Dimethylphenol	107	5.210	5.210	0.000	98	611891	12.5	13.4	
49 o,o',o''-Triethylphosphorothioat	198	5.280	5.280	0.000	79	347649	12.5	14.7	
51 Bis(2-chloroethoxy)methane	93	5.307	5.307	0.000	98	861053	12.5	14.9	
23 alpha,alpha-Dimethyl phenethylam	58		5.387				ND	ND	U
52 2,4-Dichlorophenol	162	5.398	5.398	0.000	96	505198	12.5	13.9	
54 1,2,4-Trichlorobenzene	180	5.478	5.478	0.000	92	612029	12.5	14.0	
* 55 Naphthalene-d8	136	5.531	5.531	0.000	99	525340	5.00	5.00	
56 Naphthalene	128	5.553	5.553	0.000	99	1549951	12.5	12.9	
26 Alpha-Terpineol	59	5.569	5.569	0.000	92	537957	12.5	13.0	
57 4-Chloroaniline	127	5.606	5.606	0.000	94	693461	12.5	13.2	
58 2,6-Dichlorophenol	162	5.617	5.617	0.000	95	535083	12.5	14.2	
59 Hexachloropropene	213	5.638	5.638	0.000	86	463334	12.5	15.0	
60 Hexachlorobutadiene	225	5.676	5.676	0.000	93	413510	12.5	14.5	
62 Quinoline	129	5.874	5.874	0.000	94	1002421	12.5	13.8	
64 Caprolactam	113	5.932	5.932	0.000	55	179099	12.5	13.3	
65 N-Nitrosodi-n-butylamine	84	5.932	5.932	0.000	86	659809	12.5	15.2	
33 p-Phenylene diamine	108	5.949	5.949	0.000	95	747618	12.5	13.5	
66 4-Chloro-3-methylphenol	107	6.077	6.077	0.000	93	542225	12.5	14.4	
67 Safrole, Total	162	6.136	6.136	0.000	89	446336	12.5	13.7	
69 2-Methylnaphthalene	142	6.216	6.216	0.000	91	1092551	12.5	13.7	
70 1-Methylnaphthalene	142	6.307	6.307	0.000	91	1024802	12.5	13.5	
71 Hexachlorocyclopentadiene	237	6.366	6.366	0.000	93	516155	12.5	13.7	
72 1,2,4,5-Tetrachlorobenzene	216	6.371	6.371	0.000	97	787836	12.5	13.5	
73 Isosafrole Peak 1	162	6.414	6.414	0.000	89	79100	2.00	1.88	
74 2,4,6-Trichlorophenol	196	6.483	6.483	0.000	84	488440	12.5	14.3	
75 2,4,5-Trichlorophenol	196	6.521	6.521	0.000	93	512403	12.5	13.8	
$ 76 2-Fluorobiphenyl (Surr)	172	6.569	6.569	0.000	100	3229791	25.0	27.7	
77 Isosafrole Peak 2	162	6.628	6.628	0.000	91	480887	10.5	10.5	
79 1,1'-Biphenyl	154	6.665	6.665	0.000	97	1549846	12.5	13.4	
80 2-Chloronaphthalene	162	6.676	6.676	0.000	97	1179340	12.5	12.8	
81 1-Chloronaphthalene	162	6.697	6.697	0.000	99	1182868	12.5	13.5	
82 Phenyl ether	170	6.767	6.767	0.000	87	838220	12.5	13.1	
83 2-Nitroaniline	138	6.778	6.778	0.000	75	357315	12.5	13.4	
84 1,4-Naphthoquinone	158	6.847	6.847	0.000	82	466791	12.5	12.9	
85 1,4-Dinitrobenzene	168	6.917	6.917	0.000	84	188684	12.5	15.3	
86 Dimethyl phthalate	163	6.959	6.959	0.000	98	1458401	12.5	13.1	
87 1,3-Dinitrobenzene	168	6.981	6.981	0.000	83	242329	12.5	15.9	
88 2,6-Dinitrotoluene	165	7.013	7.013	0.000	91	316995	12.5	13.8	
90 Acenaphthylene	152	7.072	7.072	0.000	99	1810614	12.5	12.8	
91 3-Nitroaniline	138	7.168	7.168	0.000	90	314331	12.5	13.6	
* 92 Acenaphthene-d10	164	7.205	7.205	0.000	95	380250	5.00	5.00	
93 Acenaphthene	153	7.232	7.232	0.000	98	1255168	12.5	12.7	
94 2,4-Dinitrophenol	184	7.270	7.270	0.000	87	394767	25.0	34.5	
96 4-Nitrophenol	109	7.339	7.339	0.000	88	504468	25.0	29.5	
98 Pentachlorobenzene	250	7.355	7.355	0.000	98	678883	12.5	14.1	
99 2,4-Dinitrotoluene	165	7.393	7.393	0.000	87	449702	12.5	14.6	
100 Dibenzofuran	168	7.398	7.398	0.000	97	1869687	12.5	13.4	
101 1-Naphthylamine	143	7.473	7.473	0.000	97	1174393	12.5	12.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.516	7.516	0.000	70	495681	12.5	15.2	
103 2-Naphthylamine	143	7.553	7.553	0.000	95	1219198	12.5	12.8	
104 Diethyl phthalate	149	7.633	7.633	0.000	98	1387904	12.5	12.8	
106 Thionazin	107	7.708	7.708	0.000	77	220209	12.5	13.4	
105 Fluorene	166	7.724	7.724	0.000	91	1540715	12.5	13.3	
108 4-Chlorophenyl phenyl ether	204	7.730	7.730	0.000	88	906155	12.5	14.3	
107 N-Nitro-o-toluidine	152	7.740	7.740	0.000	88	401292	12.5	13.4	
109 4-Nitroaniline	138	7.746	7.746	0.000	78	349003	12.5	12.5	
110 4,6-Dinitro-2-methylphenol	198	7.772	7.772	0.000	90	558409	25.0	31.5	
111 N-Nitrosodiphenylamine	169	7.842	7.842	0.000	98	1117818	10.6	10.7	
112 1,2-Diphenylhydrazine	77	7.879	7.879	0.000	99	1953142	12.5	12.8	
$ 113 2,4,6-Tribromophenol	330	7.949	7.949	0.000	94	510036	25.0	27.6	
114 Sulfotepp	97	8.002	8.002	0.000	78	286017	12.5	12.3	
175 1,3,5-Trinitrobenzene	213	8.099	8.099	0.000	83	180094	12.5	15.6	
115 cis-Diallate	86	8.120	8.120	0.000	88	523611	9.25	9.39	
116 Phorate	75	8.125	8.125	0.000	95	1111011	12.5	13.1	
117 Phenacetin	108	8.141	8.141	0.000	92	778668	12.5	12.5	
118 4-Bromophenyl phenyl ether	248	8.195	8.195	0.000	65	522229	12.5	12.8	
119 trans-Diallate	86	8.200	8.200	0.000	89	188421	3.25	3.46	
120 Hexachlorobenzene	284	8.238	8.238	0.000	96	590204	12.5	13.0	
121 Dimethoate	87	8.286	8.286	0.000	95	654937	12.5	13.5	
122 Atrazine	200	8.355	8.355	0.000	93	509924	12.5	12.2	
123 Pentachlorophenol	266	8.430	8.430	0.000	94	785193	25.0	30.0	
125 Pentachloronitrobenzene	237	8.436	8.436	0.000	80	291087	12.5	13.7	
124 4-Aminobiphenyl	169	8.441	8.441	0.000	91	1880387	12.5	12.5	
126 Pronamide	173	8.500	8.500	0.000	90	755808	12.5	12.2	
* 127 Phenanthrene-d10	188	8.612	8.612	0.000	97	880817	5.00	5.00	
128 Dinoseb	211	8.612	8.612	0.000	81	431489	12.5	16.6	
68 Disulfoton	88	8.623	8.623	0.000	95	1159150	12.5	13.2	
129 Phenanthrene	178	8.634	8.634	0.000	97	2500365	12.5	12.6	
130 Anthracene	178	8.682	8.682	0.000	98	2493061	12.5	12.4	
131 Carbazole	167	8.837	8.837	0.000	96	2234709	12.5	12.6	
132 Methyl parathion	109	8.976	8.976	0.000	93	494676	12.5	13.7	
133 Di-n-butyl phthalate	149	9.184	9.184	0.000	100	2434616	12.5	12.4	
134 Ethyl Parathion	109	9.350	9.350	0.000	84	307742	12.5	13.1	
135 4-Nitroquinoline-1-oxide	190	9.372	9.372	0.000	84	172271	12.5	11.3	
136 Octachlorostyrene	308	9.580	9.580	0.000	85	228291	12.5	12.5	
137 Isodrin	193	9.618	9.618	0.000	92	297687	12.5	11.6	
S 63 Diallate	86				0		12.5	12.8	
138 Fluoranthene	202	9.762	9.762	0.000	98	3118280	12.5	13.5	
139 Benzidine	184	9.901	9.901	0.000	99	6236899	37.5	41.9	
* 140 Pyrene-d10 (IS)	212	9.955	9.955	0.000	95	1001751	5.00	5.00	
141 Pyrene	202	9.976	9.976	0.000	97	3287741	12.5	13.1	
$ 142 p-Terphenyl-d14	244	10.136	10.136	0.000	98	5475427	25.0	29.0	
143 p-Dimethylamino azobenzene	225	10.276	10.276	0.000	88	544104	12.5	12.7	
144 Chlorobenzilate	139	10.324	10.324	0.000	97	710675	12.5	12.0	
145 3,3'-Dimethylbenzidine	212	10.618	10.618	0.000	99	1804422	12.5	11.7	
146 Butyl benzyl phthalate	149	10.639	10.639	0.000	95	1123974	12.5	13.0	
147 2-Acetylaminofluorene	181	10.880	10.880	0.000	91	945358	12.5	11.4	
148 3,3'-Dichlorobenzidine	252	11.206	11.206	0.000	77	1248651	12.5	13.7	
150 4,4'-Methylene bis(2-chloroani	231	11.217	11.217	0.000	96	671742	12.5	13.8	
149 Benzo[a]anthracene	228	11.217	11.217	0.000	97	3331380	12.5	13.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
151 Chrysene	228	11.260	11.260	0.000	96	3259622	12.5	13.6	
152 Bis(2-ethylhexyl) phthalate	149	11.302	11.302	0.000	97	1551060	12.5	12.2	
153 6-Methylchrysene	242	11.811	11.811	0.000	97	2056234	12.5	13.4	
154 Di-n-octyl phthalate	149	12.132	12.132	0.000	99	2319384	12.5	11.1	
156 7,12-Dimethylbenz(a)anthracene	256	12.575	12.575	0.000	73	1330974	12.5	14.8	
155 Benzo[b]fluoranthene	252	12.575	12.575	0.000	96	2990628	12.5	14.0	
157 Benzo[k]fluoranthene	252	12.613	12.613	0.000	98	3243619	12.5	14.6	
158 Benzo[a]pyrene	252	13.019	13.019	0.000	76	2467496	12.5	14.0	
* 159 Perylene-d12	264	13.094	13.094	0.000	98	773963	5.00	5.00	
160 3-Methylcholanthrene	268	13.522	13.522	0.000	89	1214219	12.5	12.9	
161 Dibenz[a,h]acridine	279	14.303	14.303	0.000	90	1616908	12.5	12.1	
162 Dibenz[a,j]acridine	279	14.378	14.378	0.000	96	2119714	12.5	13.7	
163 Indeno[1,2,3-cd]pyrene	276	14.629	14.629	0.000	98	1875329	12.5	12.3	
164 Dibenz(a,h)anthracene	278	14.677	14.677	0.000	93	2299431	12.5	13.6	
165 Benzo[g,h,i]perylene	276	15.052	15.052	0.000	97	2379111	12.5	13.4	
S 166 Isosafrole	162				0		12.5	12.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_6_00031 Amount Added: 1.00 Units: mL

Report Date: 18-Aug-2022 17:52:07 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1851.D

Injection Date: 18-Aug-2022 16:08:01 Instrument ID: HP20296 Operator ID: mem41592

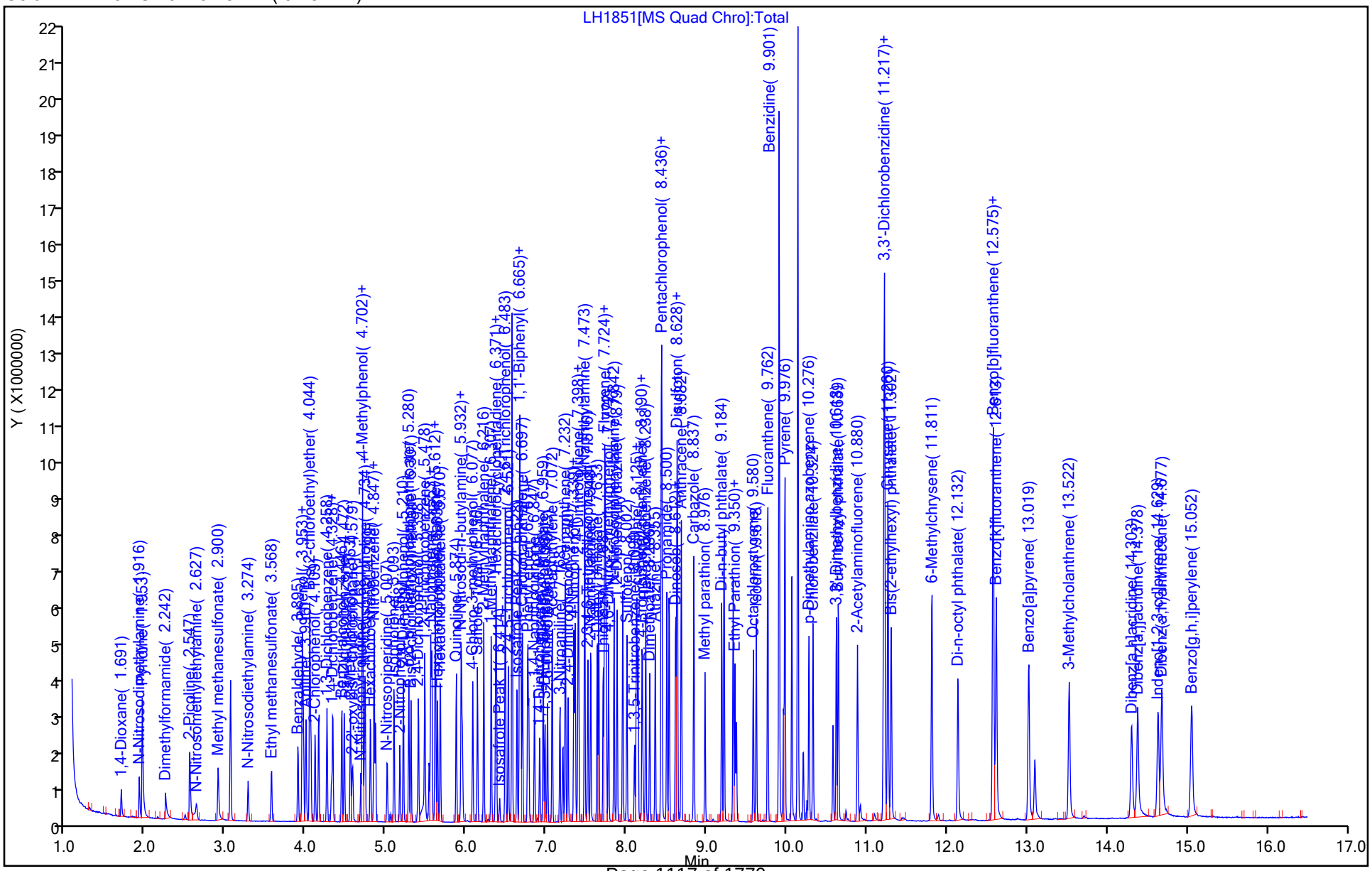
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



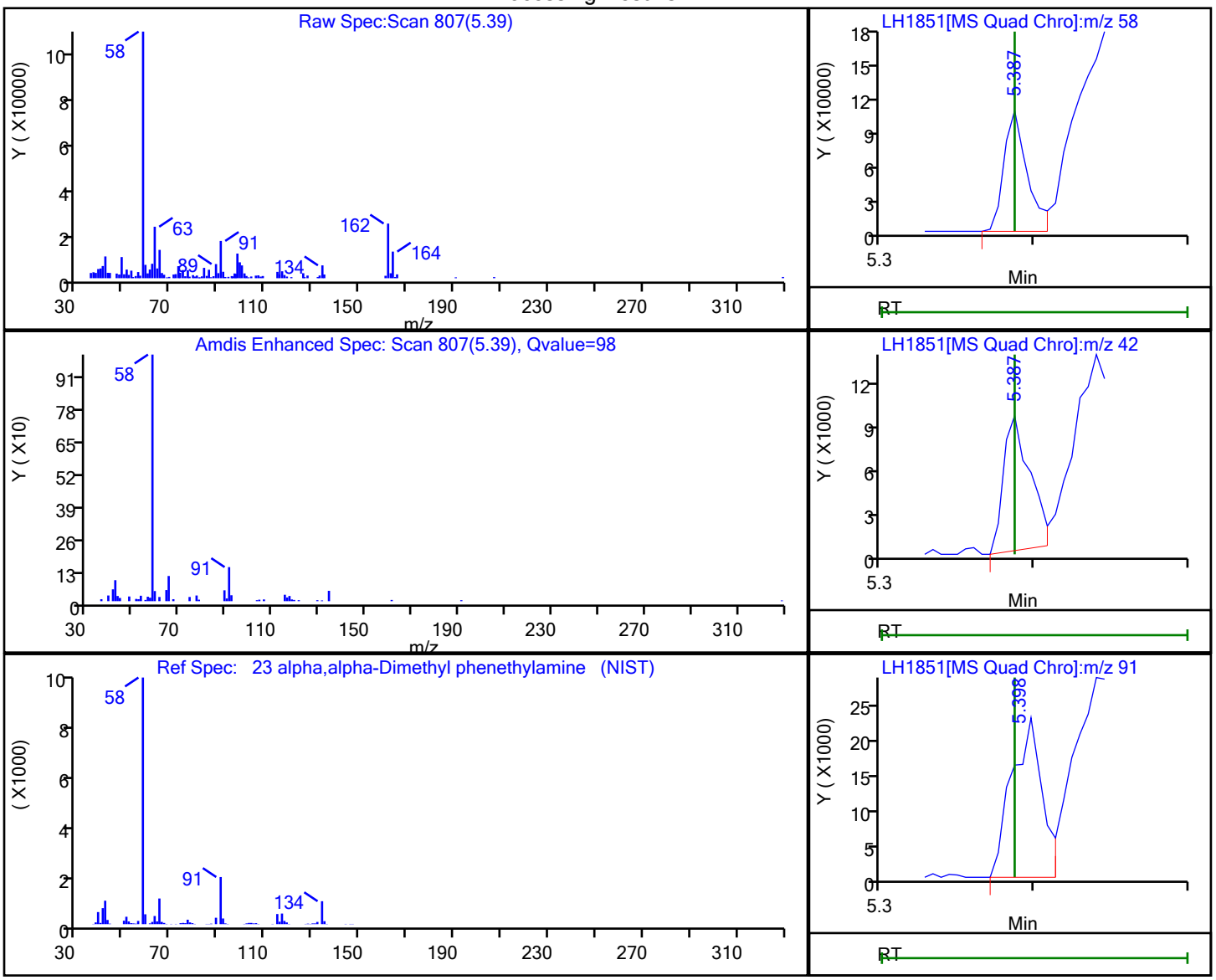
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1851.D				
Injection Date:	18-Aug-2022 16:08:01	Instrument ID:	HP20296		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

23 alpha,alpha-Dimethyl phenethylamine, CAS: 122-09-8

Processing Results



RT	Mass	Response	Amount
5.39	58.00	111617	1.176345
5.39	42.00	10997	
5.40	91.00	31375	
5.38	115.00	3662	
5.39	134.00	9881	

Reviewer: P7EB, 18-Aug-2022 16:36:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2210.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 22-Jul-2022 13:35:24 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: apb10206 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Jul-2022 18:06:11 Calib Date: 22-Jul-2022 16:27:33
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2218.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: bauera Date: 22-Jul-2022 14:25:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.598	4.598	0.000	91	124847	NR	NR	
14 Benzidine_T	184	5.882	5.882	0.000	99	660601	NR	NR	
178 DFTPP									
179 4,4'-DDE	246		5.641					ND	
180 4,4'-DDD	235		5.989					ND	
181 4,4'-DDT	235	6.609	6.609	0.000	99	279371	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

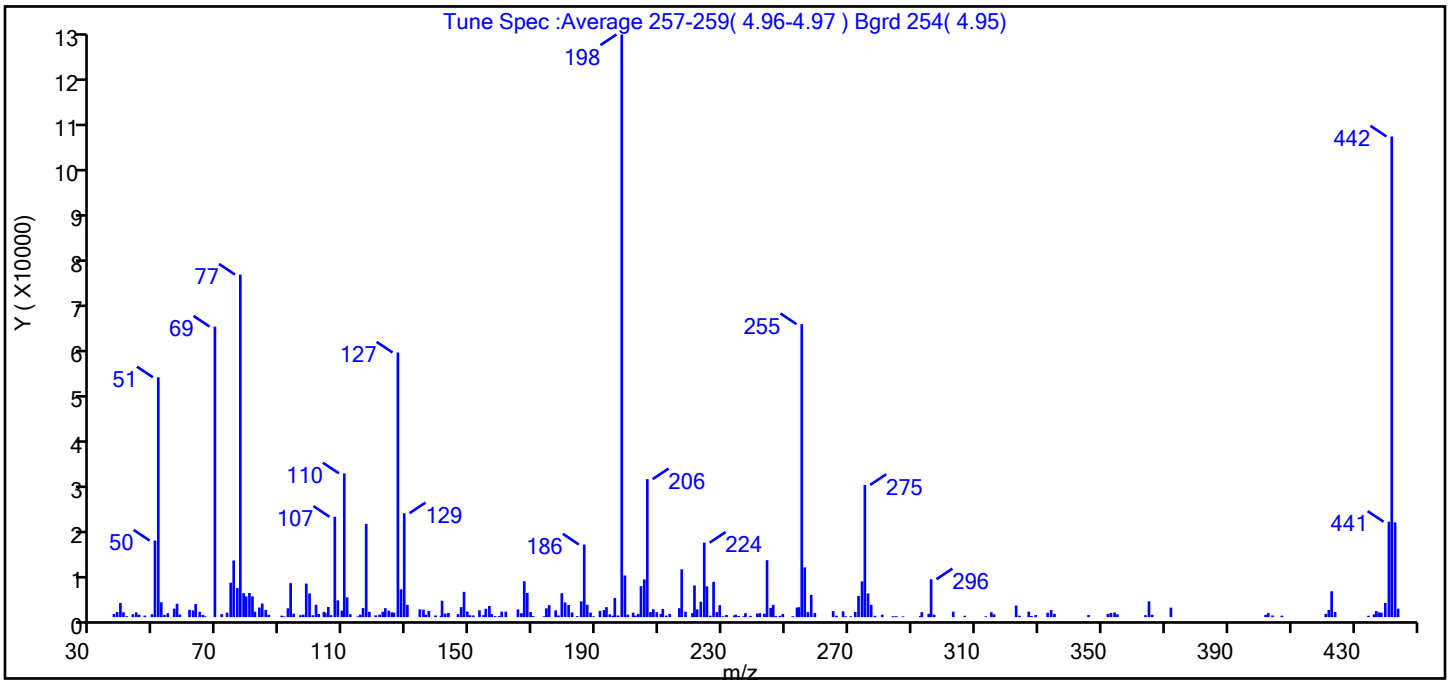
MSS_RVDFTPP_00011 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2210.D
Injection Date: 22-Jul-2022 13:35:24 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (121.2)
51	10-80% of the base peak	41.2
68	<2% of mass 69	0.0 (0.0)
69	Present	49.9
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	45.4
197	<2% of mass 198	0.3
199	5-9% of mass 198	7.2
275	10-60% of the base peak	22.7
365	>1% of mass 198	2.7
441	present but <24% of mass 442	16.4 (19.8)
442	base peak, or >50% of 198	82.5
443	15-24% of mass 442	16.3 (19.7)

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2210.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 22-Jul-2022 13:35:24
Spectrum: Tune Spec :Average 257-259(4.96-4.97) Bgrd 254(4.95)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 247

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	702	111.00	4396	189.00	185	265.00	1352
38.00	1144	112.00	653	191.00	1377	266.00	306
39.00	3156	114.00	172	192.00	1571	268.00	1286
40.00	1083	115.00	551	193.00	2216	269.00	187
41.00	214	116.00	2020	194.00	631	270.00	193
43.00	646	117.00	20704	195.00	316	272.00	1168
44.00	1057	118.00	1180	196.00	4264	273.00	4705
45.00	539	120.00	412	197.00	375	274.00	7932
47.00	350	121.00	563	198.00	129296	275.00	29344
49.00	623	122.00	1202	199.00	9253	276.00	5267
50.00	16992	123.00	1985	200.00	566	277.00	2737
51.00	53224	124.00	1436	202.00	996	278.00	296
52.00	3303	125.00	1062	202.00	351	280.00	554
53.00	487	126.00	981	203.00	711	284.00	238
54.00	869	127.00	58720	204.00	6890	285.00	222
55.00	42	128.00	6170	205.00	8380	287.00	175
56.00	1890	129.00	23064	206.00	30616	293.00	256
57.00	2976	130.00	2723	207.00	1115	293.00	1108
58.00	569	134.00	1725	208.00	1748	295.00	747
61.00	1627	135.00	1672	209.00	1092	296.00	8411
62.00	1499	136.00	545	210.00	714	297.00	543
63.00	2902	137.00	1376	211.00	1816	303.00	1217
64.00	1177	139.00	371	212.00	342	307.00	308
65.00	479	141.00	301	213.00	709	313.00	179
66.00	175	141.00	3638	216.00	1976	315.00	1085
68.00	3	142.00	791	217.00	10618	316.00	637
69.00	64472	143.00	925	218.00	1221	323.00	2577
71.00	671	146.00	677	220.00	883	324.00	321
73.00	990	147.00	2210	221.00	7035	327.00	1231
74.00	7650	148.00	5609	222.00	1749	328.00	250
75.00	12581	149.00	1216	223.00	3427	329.00	466
76.00	6447	150.00	422	224.00	16520	333.00	984
77.00	76016	151.00	386	225.00	6819	334.00	1579

Report Date: 25-Jul-2022 18:06:11 Chrom Revision: 2.3 19-Jul-2022 21:48:42
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2210.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 22-Jul-2022 13:35:24
Spectrum: Tune Spec :Average 257-259(4.96-4.97) Bgrd 254(4.95)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 247

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	5325	153.00	1515	226.00	331	335.00	744
79.00	4593	154.00	439	227.00	7834	346.00	480
80.00	5367	155.00	1856	228.00	1104	352.00	715
81.00	4608	156.00	2480	229.00	2662	353.00	950
82.00	1217	157.00	653	230.00	201	354.00	1037
83.00	2132	158.00	235	231.00	485	355.00	632
84.00	3023	159.00	261	234.00	377	364.00	432
85.00	1607	160.00	1226	234.00	536	365.00	3505
86.00	506	161.00	1226	235.00	278	366.00	538
90.00	324	165.00	1704	237.00	188	372.00	2113
91.00	161	166.00	875	237.00	883	402.00	493
92.00	1962	167.00	7975	239.00	290	403.00	896
93.00	7546	168.00	5359	241.00	793	404.00	374
94.00	758	169.00	1142	242.00	873	407.00	332
96.00	434	170.00	214	243.00	762	421.00	725
97.00	536	173.00	193	244.00	12640	422.00	1615
98.00	7449	174.00	1945	245.00	2064	423.00	5748
99.00	5270	175.00	2653	246.00	2735	424.00	1146
100.00	425	177.00	1512	247.00	239	435.00	317
101.00	2752	178.00	378	248.00	295	436.00	624
102.00	707	179.00	5321	249.00	706	437.00	1344
104.00	1183	180.00	3264	252.00	213	438.00	1058
104.00	919	181.00	2703	254.00	2116	439.00	983
105.00	2249	182.00	1044	254.00	2208	440.00	3163
106.00	429	184.00	223	255.00	65024	441.00	21160
107.00	22264	185.00	3505	256.00	11049	442.00	106664
108.00	3728	186.00	16115	257.00	1124	443.00	21040
109.00	1454	187.00	2742	258.00	4937	444.00	1878
110.00	31896	188.00	1011	259.00	911		

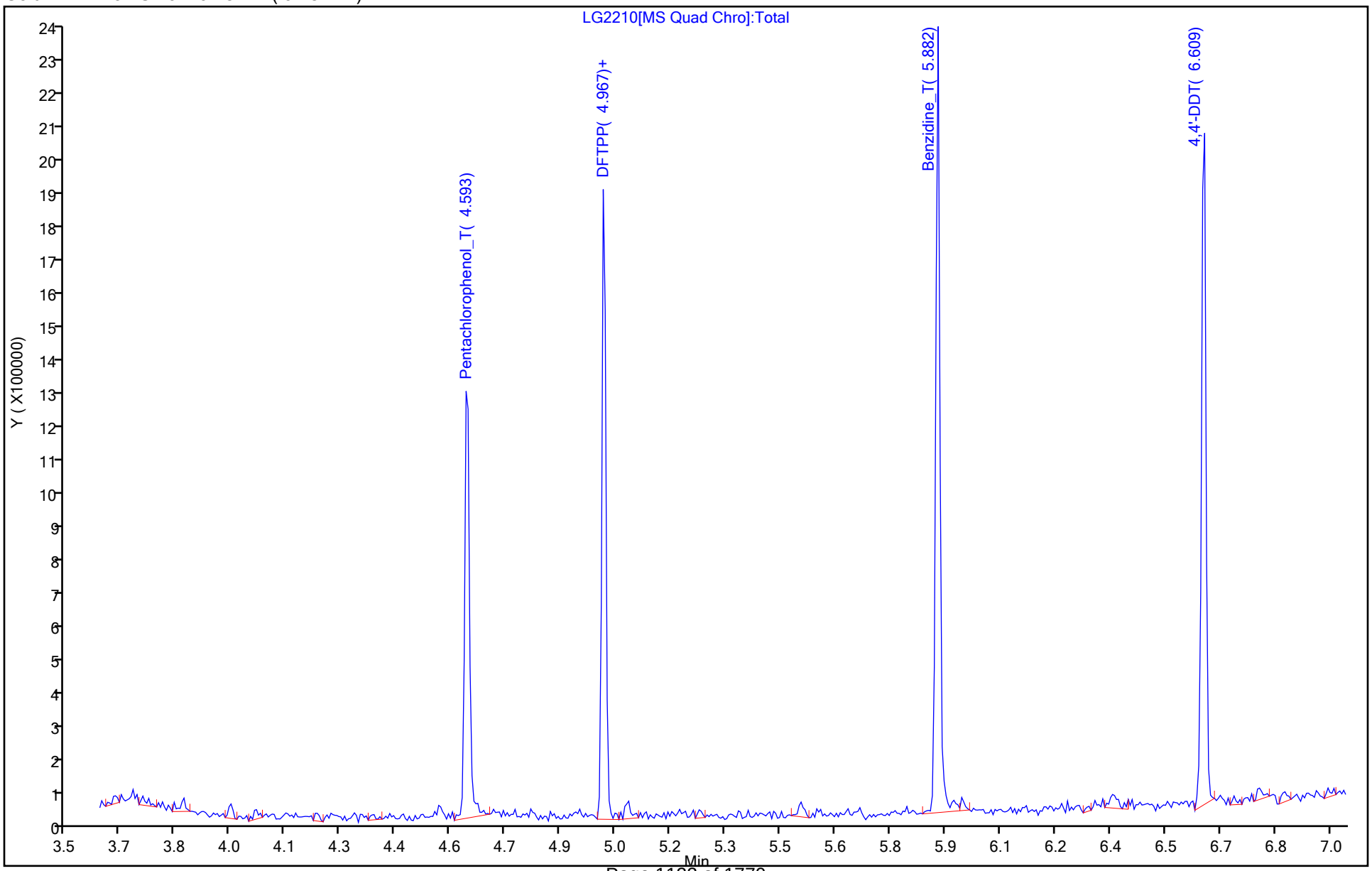
Report Date: 25-Jul-2022 18:06:11 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2210.D

Injection Date:	22-Jul-2022 13:35:24	Instrument ID:	HP20296	Operator ID:	apb10206
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2210.D
Injection Date: 22-Jul-2022 13:35:24 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

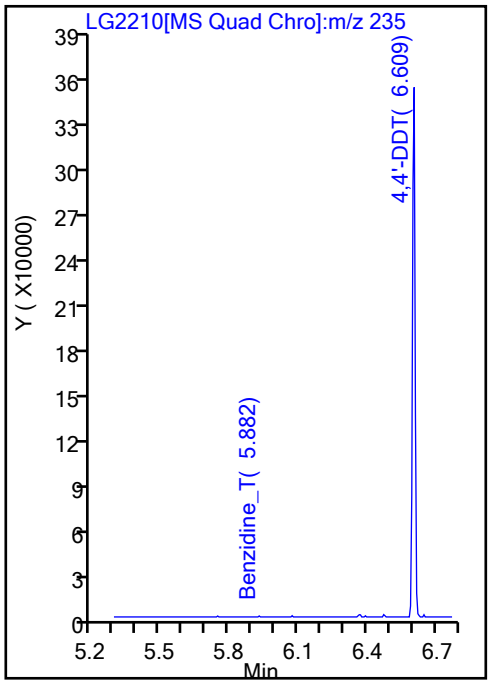
181 4,4'-DDT, Detector: MS Quad

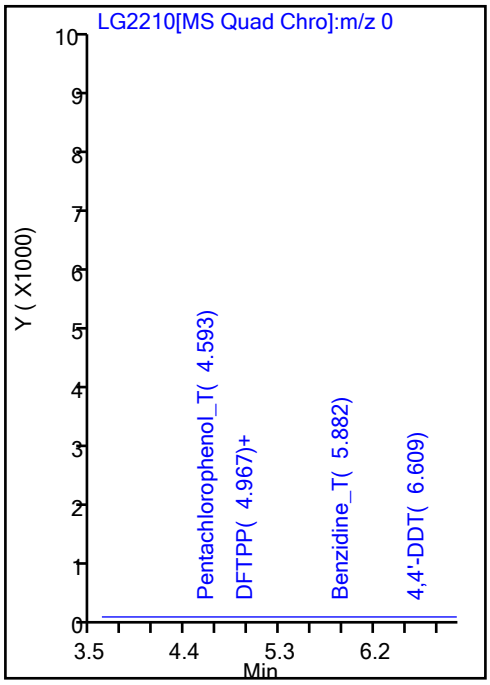
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 279371
180 4,4'-DDD, Area = 0
179 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

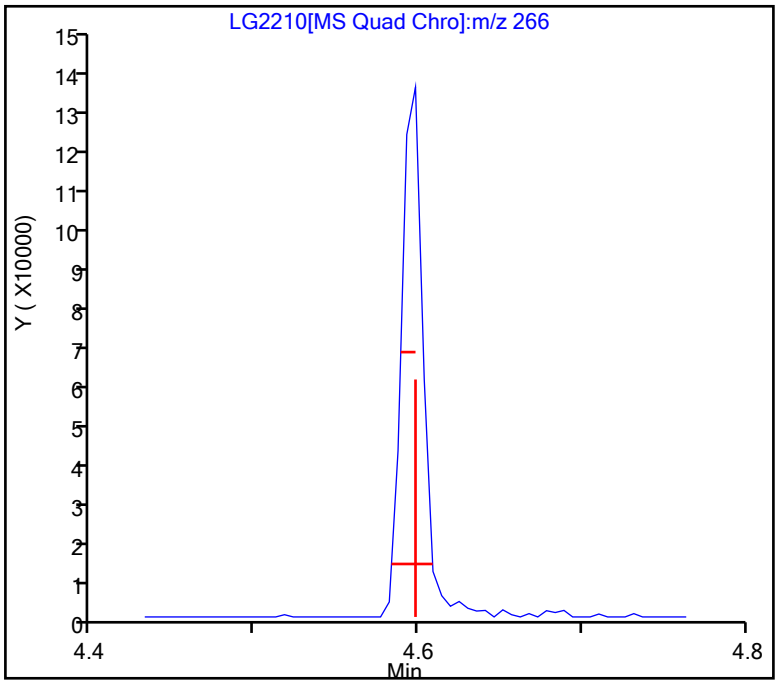
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2210.D
Injection Date: 22-Jul-2022 13:35:24 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.67, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

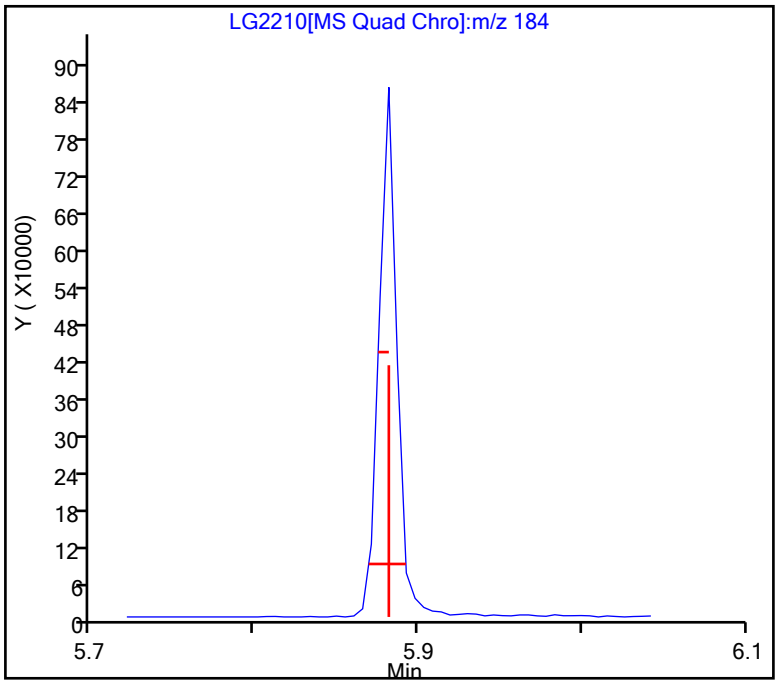
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220722-62460.b\LG2210.D
Injection Date: 22-Jul-2022 13:35:24 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 0.83, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220725-62632.b\LG2550.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 25-Jul-2022 18:30:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220725-62632.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Jul-2022 22:29:07 Calib Date: 25-Jul-2022 21:36:05
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220725-62632.b\LG2558.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: P7EB Date: 25-Jul-2022 18:51:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.978	4.978	0.000	92	302728	NR	NR	
14 Benzidine_T	184	6.203	6.203	0.000	99	1558958	NR	NR	
178 DFTPP									
179 4,4'-DDE	246		5.641					ND	U
180 4,4'-DDD	235		5.989					ND	U
181 4,4'-DDT	235	6.904	6.904	0.000	99	727281	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

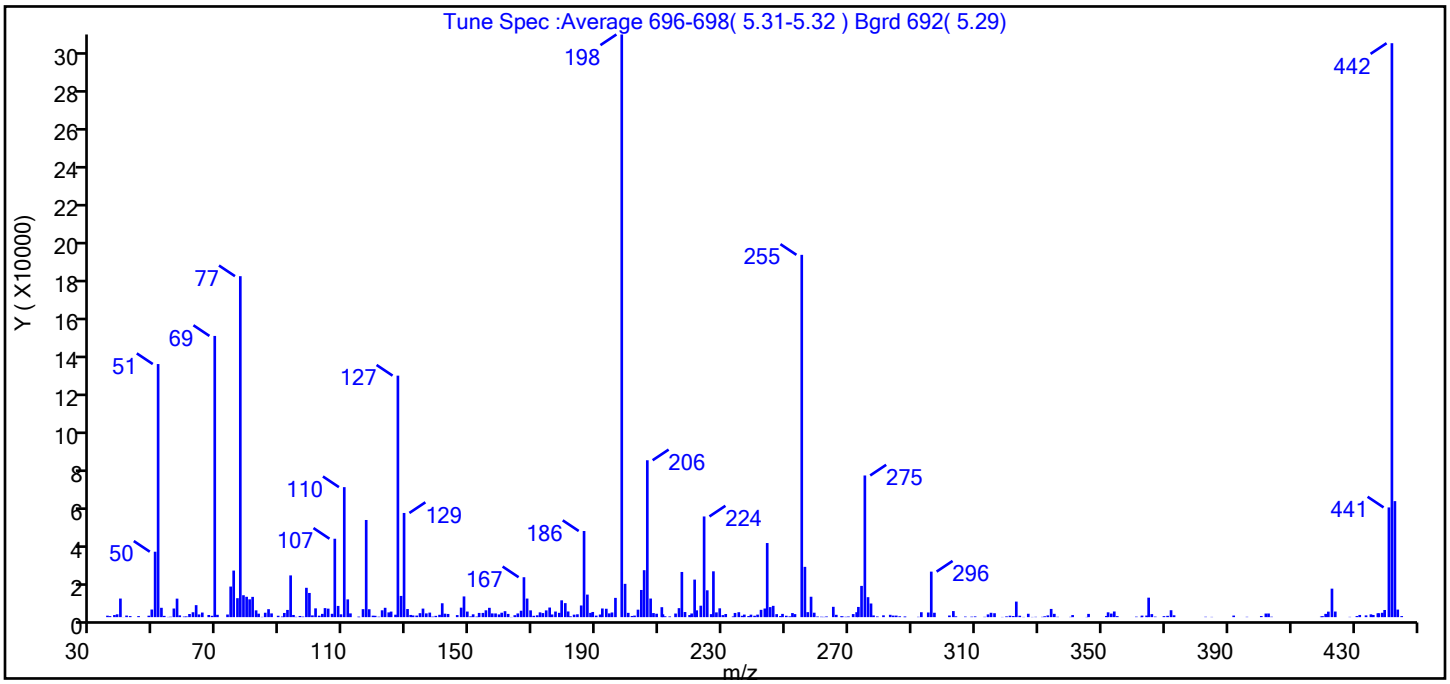
MSS_RVDFTPP_00011 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220725-62632.b\LG2550.D
Injection Date: 25-Jul-2022 18:30:00 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (101.5)
51	10-80% of the base peak	43.4
68	<2% of mass 69	0.2 (0.5)
69	Present	48.3
70	<2% of mass 69	0.4 (0.8)
127	10-80% of the base peak	41.4
197	<2% of mass 198	0.0
199	5-9% of mass 198	5.7
275	10-60% of the base peak	24.3
365	>1% of mass 198	3.3
441	present but <24% of mass 442	18.8 (19.1)
442	base peak, or >50% of 198	98.5
443	15-24% of mass 442	19.9 (20.2)

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220725-62632.b\LG2550.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 25-Jul-2022 18:30:00
Spectrum: Tune Spec :Average 696-698(5.31-5.32) Bgrd 692(5.29)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 316

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	773	123.00	4937	205.00	24784	293.00	2599
36.00	543	124.00	2502	206.00	82840	295.00	2453
37.00	1119	125.00	2937	207.00	9822	296.00	24040
38.00	1495	126.00	1284	208.00	2146	297.00	2317
39.00	9815	127.00	127512	209.00	1798	302.00	859
40.00	45	128.00	11205	211.00	5257	303.00	3202
41.00	841	129.00	55008	211.00	1500	304.00	432
42.00	561	130.00	4291	212.00	464	307.00	302
45.00	549	131.00	1161	213.00	377	309.00	260
48.00	752	132.00	899	215.00	1907	310.00	393
49.00	4028	133.00	833	216.00	4744	313.00	179
50.00	34544	134.00	2097	217.00	23856	314.00	1440
51.00	133632	135.00	4513	218.00	2704	315.00	2294
52.00	4936	136.00	1988	219.00	1107	316.00	2070
53.00	675	137.00	2395	220.00	1941	319.00	107
54.00	118	138.00	278	221.00	19824	320.00	402
55.00	224	139.00	681	222.00	3592	321.00	764
56.00	4555	140.00	1237	223.00	6041	322.00	577
57.00	9774	141.00	7327	224.00	53160	323.00	8215
58.00	940	142.00	1824	225.00	14174	324.00	750
59.00	309	143.00	1687	226.00	1585	325.00	111
60.00	383	146.00	1086	227.00	24200	327.00	1786
61.00	1661	147.00	5012	228.00	2510	328.00	108
62.00	2588	148.00	10935	229.00	4666	329.00	177
63.00	6333	149.00	2947	230.00	1072	331.00	168
64.00	1434	150.00	403	231.00	1646	332.00	453
65.00	2425	151.00	1493	233.00	373	333.00	920
67.00	1140	152.00	296	234.00	2216	334.00	4339
68.00	706	153.00	2223	235.00	2606	335.00	1742
69.00	148480	154.00	2226	236.00	719	336.00	197
70.00	1234	155.00	3614	237.00	1349	340.00	153
73.00	1387	156.00	4924	238.00	587	341.00	1094
74.00	16151	157.00	1974	239.00	1314	345.00	109

Report Date: 25-Jul-2022 22:29:08 Chrom Revision: 2.3 19-Jul-2022 21:48:42
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220725-62632.b\LG2550.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 25-Jul-2022 18:30:00
Spectrum: Tune Spec :Average 696-698(5.31-5.32) Bgrd 692(5.29)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 316

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	24592	158.00	1948	240.00	734	346.00	1719
76.00	10015	159.00	1437	241.00	1332	352.00	626
77.00	180032	160.00	2332	242.00	3854	352.00	2551
78.00	11567	161.00	3153	243.00	4559	353.00	1881
79.00	10741	162.00	1707	244.00	39128	354.00	2990
80.00	9405	163.00	100	245.00	5300	355.00	531
81.00	10699	164.00	1023	246.00	5966	361.00	273
82.00	3591	165.00	1959	247.00	1586	363.00	169
83.00	1833	166.00	3382	248.00	582	363.00	811
84.00	139	167.00	21080	249.00	1720	364.00	828
85.00	2324	168.00	9811	250.00	736	365.00	10285
86.00	4207	169.00	3578	251.00	412	366.00	1602
87.00	1979	170.00	715	252.00	2148	367.00	282
89.00	740	171.00	973	253.00	1597	370.00	533
90.00	329	172.00	2524	255.00	191296	371.00	696
91.00	2209	173.00	2146	256.00	26552	372.00	3649
92.00	3807	174.00	3575	257.00	2635	373.00	973
93.00	22040	175.00	5070	258.00	10773	383.00	204
94.00	1150	176.00	1410	259.00	2343	385.00	131
95.00	162	177.00	2958	260.00	348	392.00	831
96.00	621	178.00	2274	261.00	220	396.00	177
97.00	293	179.00	8879	262.00	149	401.00	585
98.00	15495	180.00	7392	263.00	365	402.00	1897
99.00	12774	181.00	3002	265.00	5451	403.00	1926
100.00	923	182.00	438	266.00	1230	404.00	237
101.00	4645	183.00	1314	268.00	413	420.00	329
102.00	770	184.00	1500	268.00	423	420.00	519
103.00	1728	185.00	6161	269.00	189	421.00	1725
104.00	4770	186.00	45480	270.00	334	422.00	2910
105.00	4492	187.00	11906	271.00	1622	423.00	15048
106.00	1767	188.00	2252	272.00	2606	424.00	2963
107.00	41400	189.00	2733	273.00	5384	429.00	149
108.00	5920	190.00	805	274.00	16496	431.00	575
109.00	1492	191.00	1380	275.00	74800	432.00	1154

Report Date: 25-Jul-2022 22:29:08 Chrom Revision: 2.3 19-Jul-2022 21:48:42
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220725-62632.b\LG2550.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 25-Jul-2022 18:30:00
Spectrum: Tune Spec :Average 696-698(5.31-5.32) Bgrd 692(5.29)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 316

m/z	Y	m/z	Y	m/z	Y	m/z	Y
110.00	68640	192.00	4577	276.00	10545	434.00	927
111.00	9383	193.00	4431	277.00	7209	435.00	1480
112.00	1986	194.00	1977	278.00	901	436.00	1148
115.00	257	195.00	2459	279.00	369	438.00	2024
115.00	131	196.00	10172	281.00	956	438.00	2040
116.00	4214	198.00	307648	283.00	1233	439.00	2298
117.00	51296	199.00	17584	284.00	817	440.00	3776
118.00	4170	200.00	2261	285.00	823	441.00	57936
119.00	777	201.00	621	286.00	461	442.00	303040
120.00	712	202.00	812	288.00	213	443.00	61256
121.00	240	203.00	3946	288.00	296	444.00	3989
122.00	3609	204.00	14344	292.00	179	445.00	556

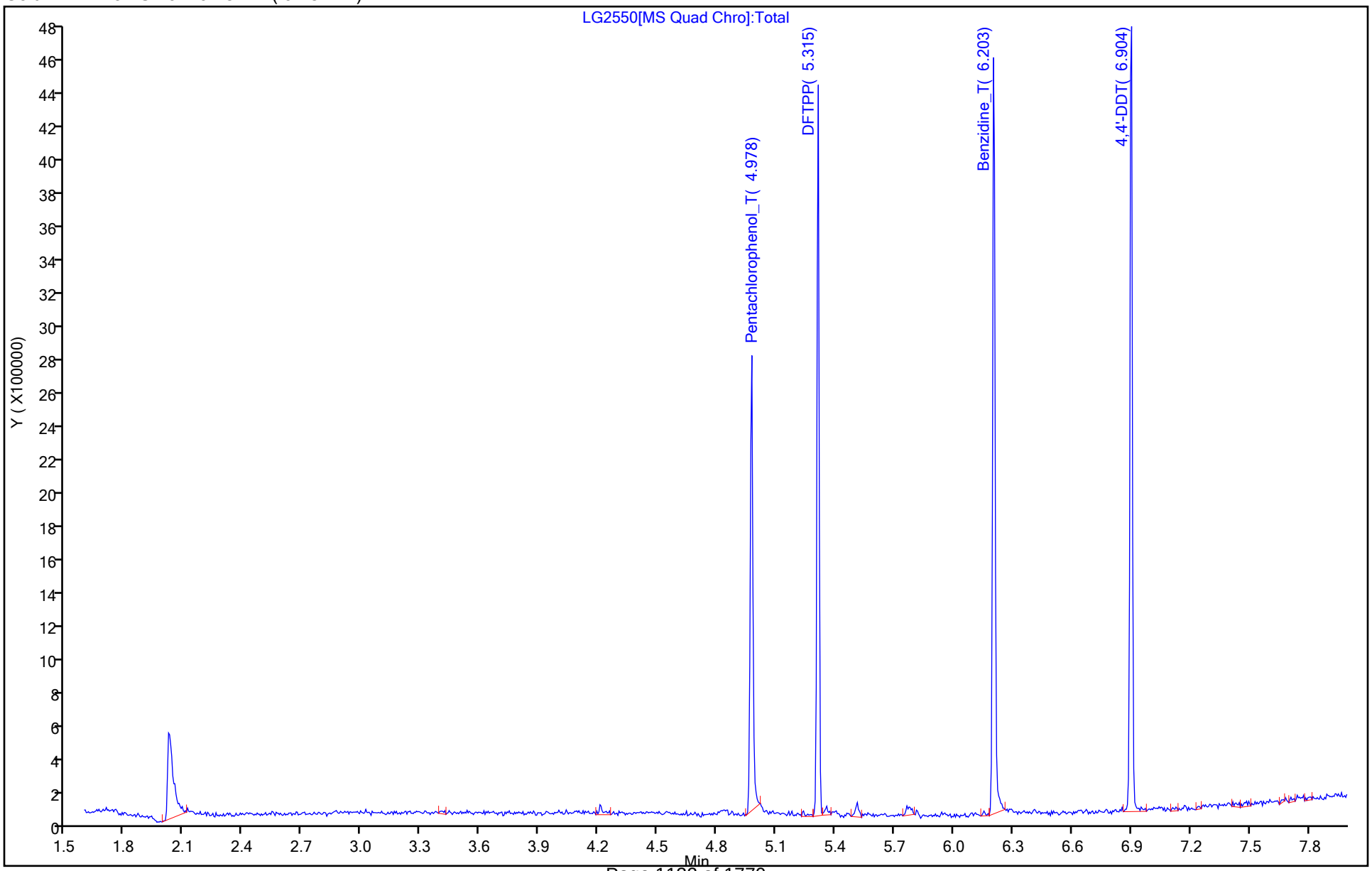
Report Date: 25-Jul-2022 22:29:08 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220725-62632.b\LG2550.D

Injection Date:	25-Jul-2022 18:30:00	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220725-62632.b\LG2550.D				
Injection Date:	25-Jul-2022 18:30:00	Instrument ID:	HP20296		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

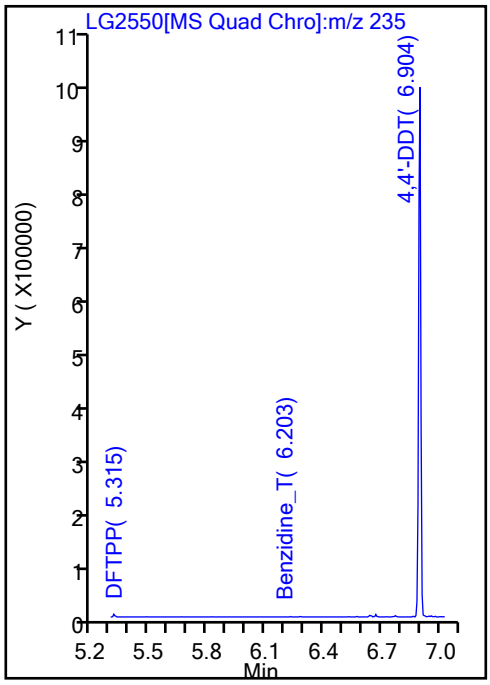
181 4,4'-DDT, Detector: MS Quad

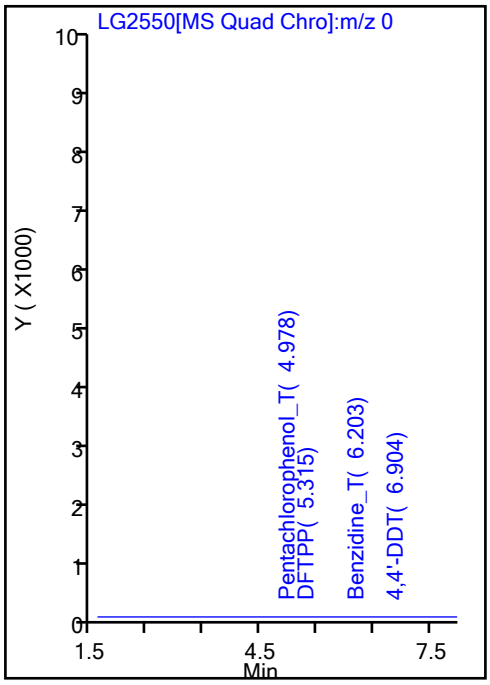
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 727281
180 4,4'-DDD, Area = 0
179 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

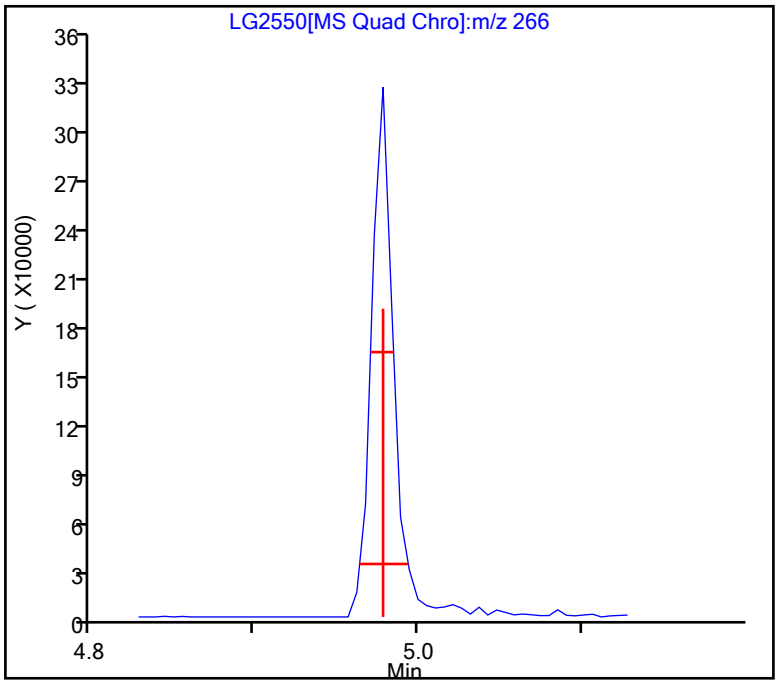
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220725-62632.b\LG2550.D
Injection Date: 25-Jul-2022 18:30:00 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.07, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

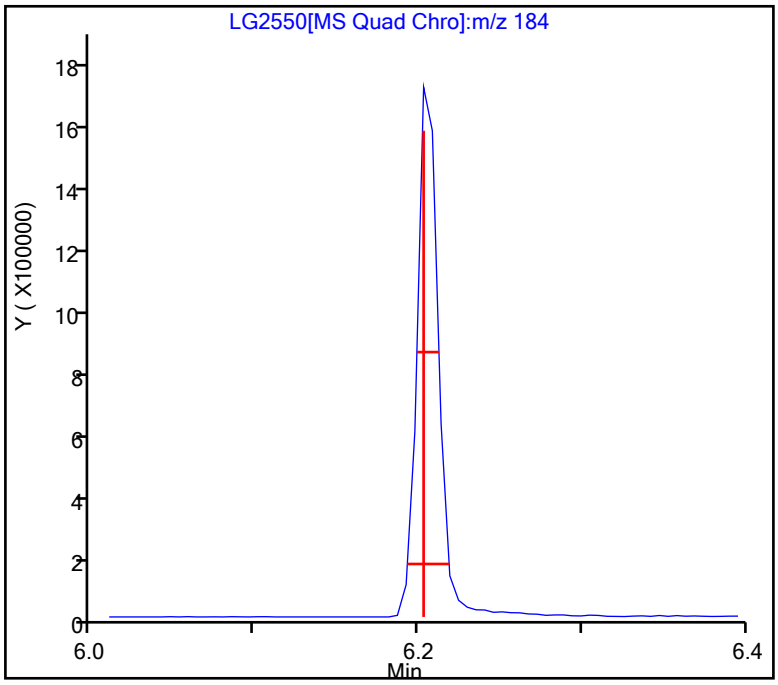
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220725-62632.b\LG2550.D
Injection Date: 25-Jul-2022 18:30:00 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.60, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1650.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 16-Aug-2022 14:48:25 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 16-Aug-2022 16:44:08 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: P7EB Date: 16-Aug-2022 15:01:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.839	4.839	0.000	92	256709	NR	NR	
14 Benzidine_T	184	6.037	6.037	0.000	99	1225658	NR	NR	
178 DFTPP									
179 4,4'-DDE	246		6.187					ND	U
180 4,4'-DDD	235		6.695					ND	U
181 4,4'-DDT	235	6.695	6.695	0.000	98	648395	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

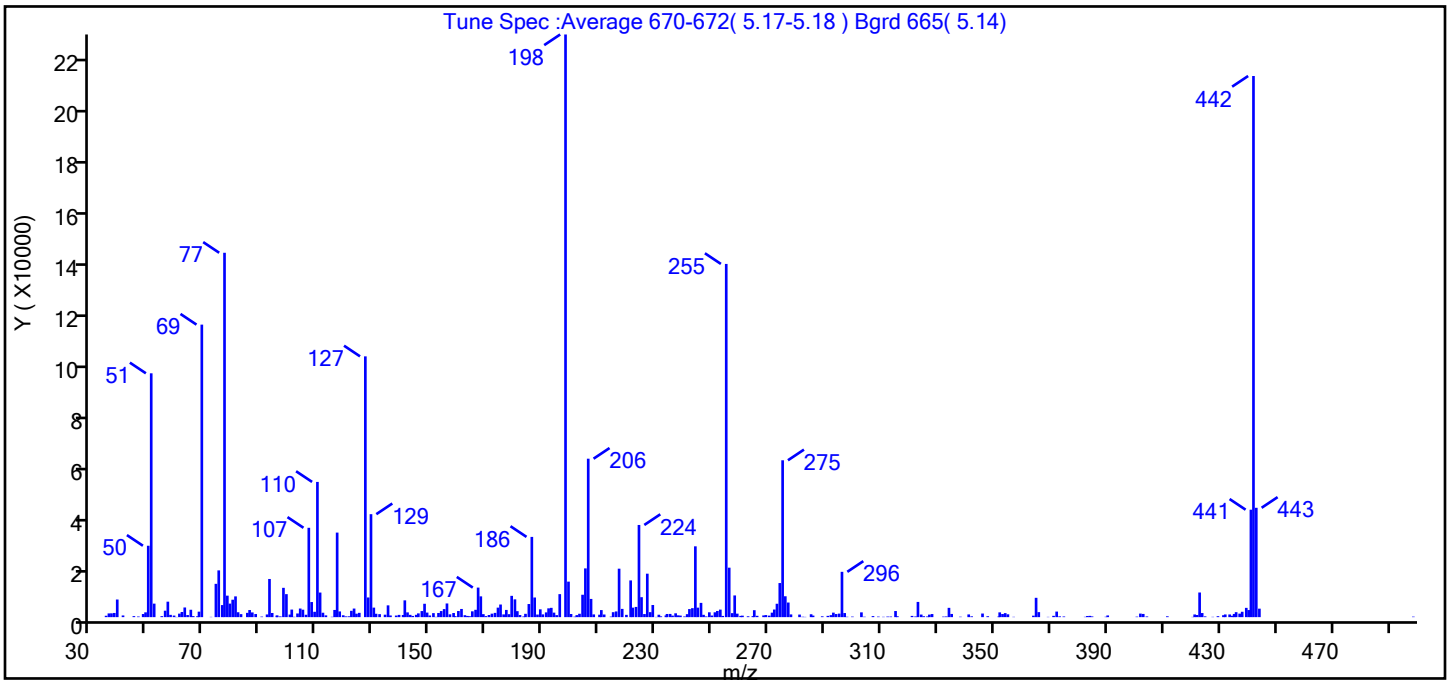
MSS_RVDFTPP_00011 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1650.D
Injection Date: 16-Aug-2022 14:48:25 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (107.7)
51	10-80% of the base peak	41.8
68	<2% of mass 69	0.9 (1.9)
69	Present	50.2
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	44.8
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.1
275	10-60% of the base peak	26.9
365	>1% of mass 198	3.3
441	present but <24% of mass 442	18.4 (19.9)
442	base peak, or >50% of 198	92.9
443	15-24% of mass 442	18.8 (20.2)

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1650.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 16-Aug-2022 14:48:25
Spectrum: Tune Spec :Average 670-672(5.17-5.18) Bgrd 665(5.14)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	540	128.00	7671	210.00	950	298.00	152
36.00	1453	129.00	40152	211.00	2751	300.00	212
37.00	1486	130.00	3712	212.00	1030	303.00	1868
38.00	1627	131.00	1316	214.00	214	304.00	165
39.00	6874	132.00	1167	215.00	1934	307.00	406
41.00	656	134.00	958	216.00	2224	309.00	213
45.00	398	135.00	4597	217.00	18896	311.00	129
46.00	246	136.00	651	218.00	3218	312.00	225
48.00	1214	138.00	619	220.00	892	313.00	232
49.00	1874	139.00	878	221.00	14320	315.00	2381
50.00	27840	140.00	834	222.00	3707	316.00	349
51.00	95080	141.00	6549	223.00	3984	321.00	482
52.00	5267	142.00	1856	224.00	35944	322.00	263
55.00	386	143.00	897	225.00	7781	323.00	5935
56.00	2511	144.00	476	226.00	1202	324.00	1008
57.00	6032	145.00	912	227.00	16944	325.00	352
58.00	888	146.00	1465	228.00	1948	326.00	269
59.00	614	147.00	2371	229.00	4730	327.00	991
60.00	86	148.00	5216	230.00	86	328.00	1208
61.00	1365	149.00	1774	231.00	939	332.00	213
62.00	2011	150.00	653	232.00	316	333.00	261
63.00	3768	151.00	1565	234.00	662	334.00	3626
64.00	822	152.00	120	234.00	1233	335.00	1246
65.00	2882	153.00	1622	235.00	1252	338.00	165
66.00	396	154.00	2369	236.00	595	341.00	1060
67.00	344	155.00	3137	237.00	1496	342.00	314
68.00	2139	156.00	5333	238.00	700	346.00	1410
69.00	114064	157.00	1099	239.00	604	348.00	354
72.00	102	158.00	1612	240.00	260	352.00	248
74.00	12985	159.00	378	241.00	1157	352.00	1862
75.00	18232	160.00	2388	242.00	3144	353.00	1219
76.00	4702	161.00	3193	243.00	3505	354.00	1563
77.00	142080	162.00	753	244.00	27616	355.00	1102

Report Date: 16-Aug-2022 16:44:09 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1650.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 16-Aug-2022 14:48:25
Spectrum: Tune Spec :Average 670-672(5.17-5.18) Bgrd 665(5.14)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	8378	163.00	476	245.00	3700	357.00	120
79.00	5274	164.00	371	246.00	5560	364.00	572
80.00	6792	165.00	2270	247.00	911	365.00	7537
81.00	8096	166.00	2865	248.00	265	366.00	1950
82.00	1909	167.00	11524	249.00	1888	369.00	106
83.00	1173	168.00	8103	250.00	626	371.00	512
85.00	1672	169.00	1164	251.00	1893	372.00	2171
86.00	2774	170.00	401	252.00	2404	373.00	306
87.00	1834	171.00	831	253.00	2940	375.00	258
88.00	1211	172.00	1356	254.00	476	382.00	130
90.00	218	173.00	1661	255.00	137728	383.00	450
92.00	1051	174.00	3706	256.00	19288	384.00	495
93.00	14882	175.00	4922	257.00	1561	385.00	278
94.00	1619	176.00	1071	258.00	8463	390.00	153
96.00	580	177.00	2814	259.00	1362	390.00	658
96.00	626	178.00	1151	260.00	491	401.00	193
97.00	282	179.00	8307	261.00	577	402.00	1385
98.00	11431	180.00	6936	263.00	331	403.00	1251
99.00	8968	181.00	2330	264.00	404	404.00	263
100.00	1010	182.00	828	265.00	2707	411.00	330
101.00	2949	183.00	267	266.00	521	420.00	100
102.00	132	184.00	1296	268.00	670	421.00	1046
103.00	1430	185.00	5112	269.00	804	422.00	840
104.00	3356	186.00	31288	270.00	586	423.00	9609
105.00	2905	187.00	7657	271.00	1747	424.00	1601
106.00	929	188.00	1014	272.00	2967	425.00	294
107.00	34840	189.00	3046	273.00	5221	428.00	119
108.00	5888	190.00	1081	274.00	13292	429.00	367
109.00	2089	191.00	1851	275.00	61168	431.00	756
110.00	52728	192.00	3434	276.00	8142	432.00	1049
111.00	9588	193.00	3628	277.00	5698	434.00	1049
112.00	1720	194.00	1760	278.00	1062	434.00	544
113.00	693	195.00	785	281.00	1007	435.00	1240
115.00	135	196.00	8971	282.00	155	436.00	1940

Report Date: 16-Aug-2022 16:44:09 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1650.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 16-Aug-2022 14:48:25
Spectrum: Tune Spec :Average 670-672(5.17-5.18) Bgrd 665(5.14)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	2804	198.00	227200	283.00	103	437.00	1362
117.00	32968	199.00	13849	285.00	1126	438.00	2100
118.00	2226	200.00	1225	286.00	601	439.00	3620
119.00	724	201.00	197	289.00	321	440.00	2765
120.00	297	202.00	787	291.00	500	441.00	41896
121.00	326	203.00	1320	292.00	777	442.00	211008
122.00	2470	204.00	8735	293.00	1759	443.00	42640
123.00	3348	205.00	19008	294.00	1213	444.00	3308
124.00	1344	206.00	61784	295.00	1375	499.00	196
125.00	1679	207.00	7103	296.00	17672		
127.00	101688	208.00	1068	297.00	1595		

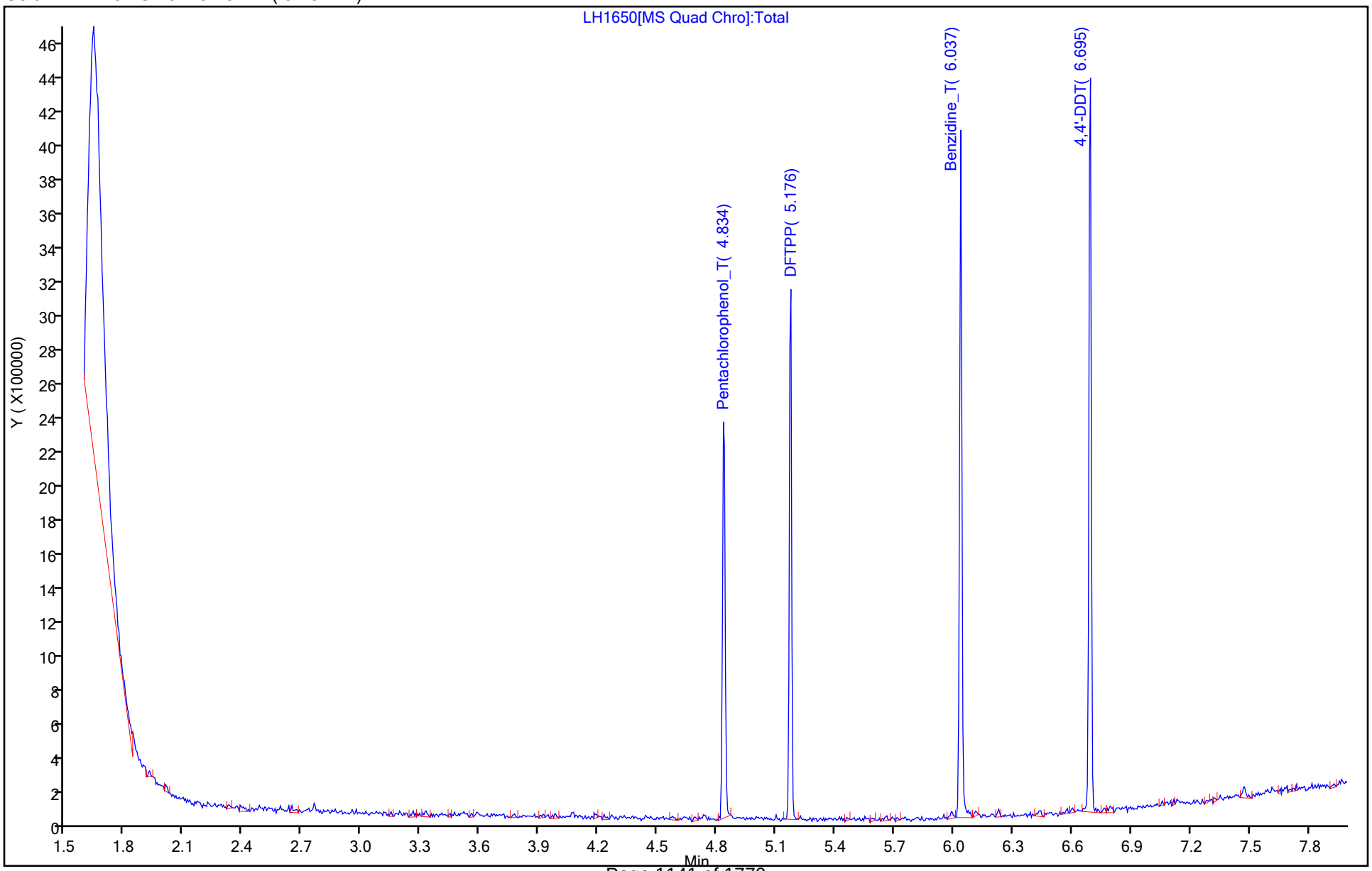
Report Date: 16-Aug-2022 16:44:09 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1650.D

Injection Date:	16-Aug-2022 14:48:25	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1650.D
Injection Date: 16-Aug-2022 14:48:25 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

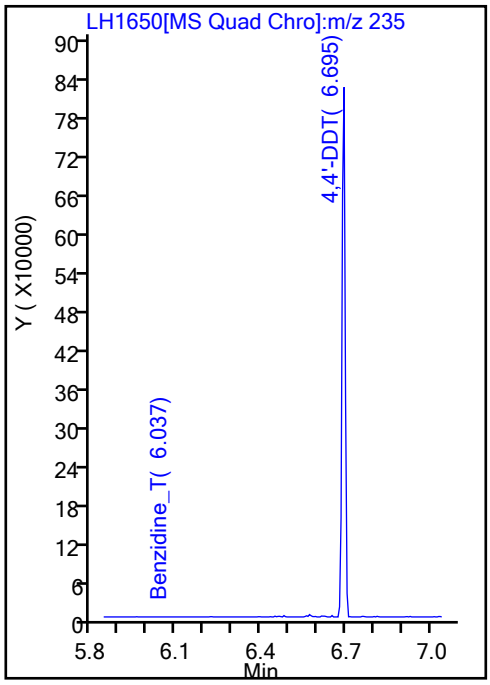
181 4,4'-DDT, Detector: MS Quad

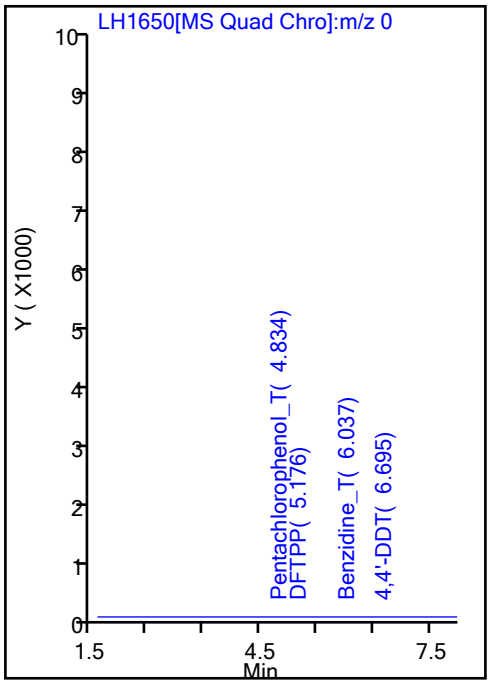
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 648395
180 4,4'-DDD, Area = 0
179 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

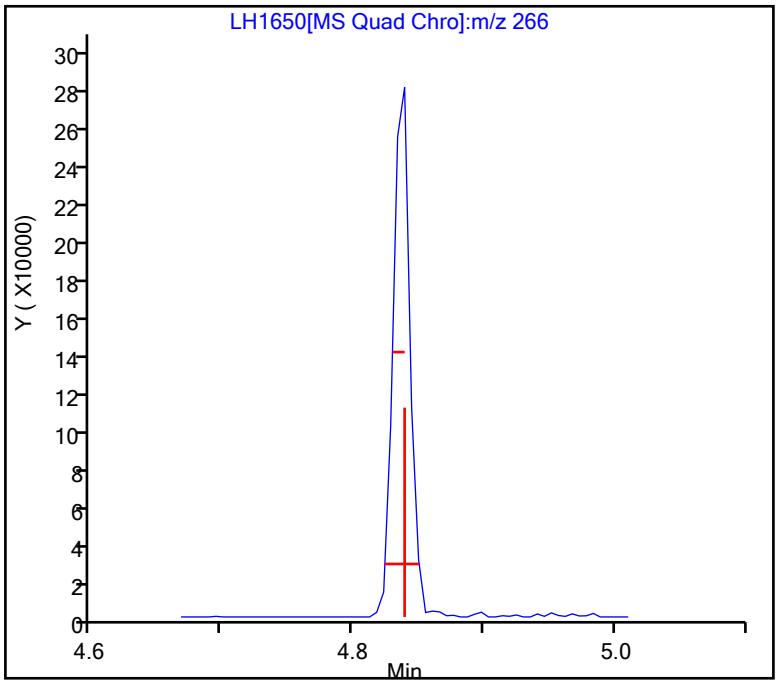
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1650.D
Injection Date: 16-Aug-2022 14:48:25 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.73, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

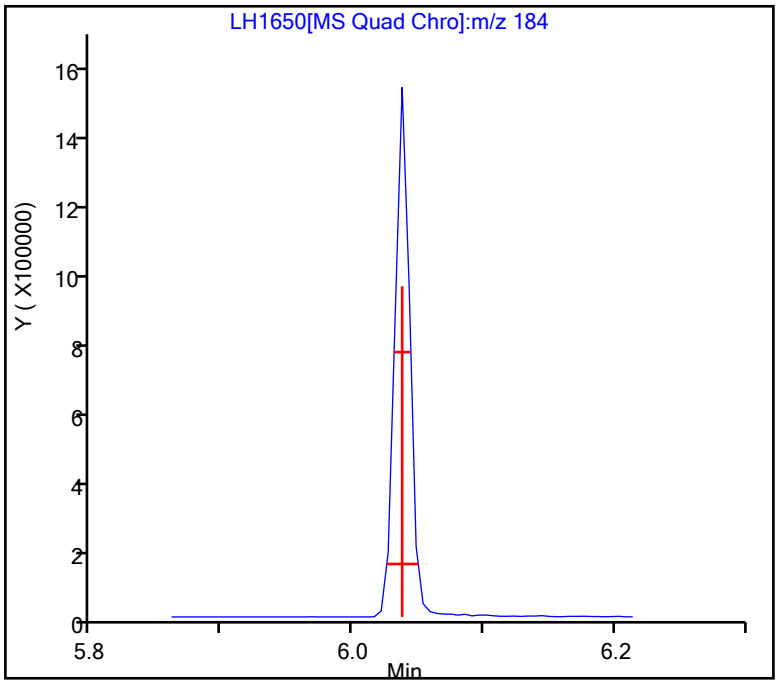
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1650.D
Injection Date: 16-Aug-2022 14:48:25 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1850a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 18-Aug-2022 15:49:49 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 18-Aug-2022 17:52:03 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: P7EB Date: 18-Aug-2022 16:05:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.807	4.807	0.000	89	90621	NR	NR	
14 Benzidine_T	184	6.027	6.027	0.000	99	524380	NR	NR	
178 DFTPP									
179 4,4'-DDE	246		6.192					ND	U
180 4,4'-DDD	235		6.588					ND	U
181 4,4'-DDT	235	6.711	6.711	0.000	98	273796	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

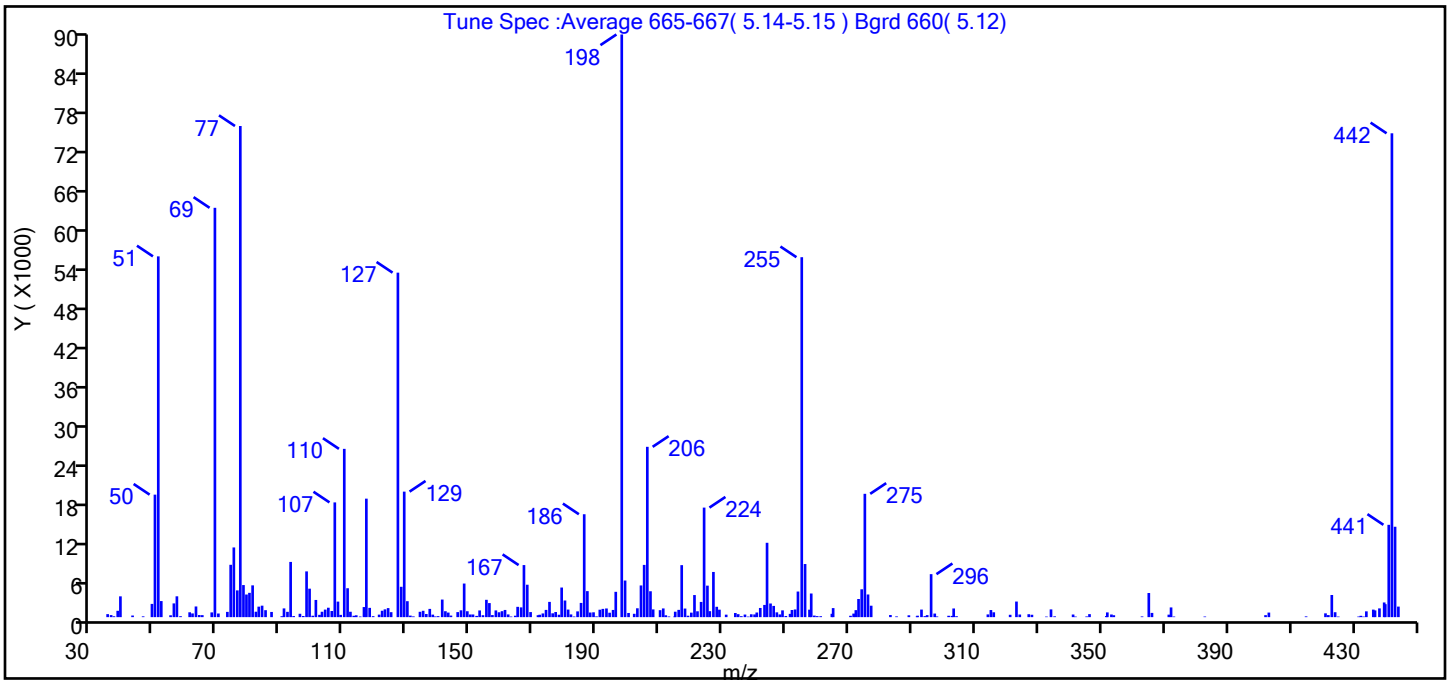
MSS_RVDFTPP_00011 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1850a.D
Injection Date: 18-Aug-2022 15:49:49 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (120.4)
51	10-80% of the base peak	61.9
68	<2% of mass 69	0.8 (1.2)
69	Present	70.3
70	<2% of mass 69	0.6 (0.9)
127	10-80% of the base peak	59.1
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.3
275	10-60% of the base peak	21.2
365	>1% of mass 198	4.1
441	present but <24% of mass 442	15.8 (19.1)
442	base peak, or >50% of 198	83.0
443	15-24% of mass 442	15.5 (18.7)

Report Date: 18-Aug-2022 17:52:03 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1850a.D\MSSemi_HP20296.rslt\spectra.
Injection Date: 18-Aug-2022 15:49:49
Spectrum: Tune Spec :Average 665-667(5.14-5.15) Bgrd 660(5.12)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 269

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	463	123.00	1196	195.00	1106	275.00	18960
36.00	314	124.00	1390	196.00	3893	276.00	3484
37.00	133	125.00	763	198.00	89576	277.00	1757
38.00	975	127.00	52960	199.00	5628	283.00	326
39.00	3198	128.00	4665	200.00	641	285.00	114
43.00	249	129.00	19296	202.00	515	289.00	283
46.00	121	130.00	2453	203.00	1363	292.00	124
49.00	2036	131.00	236	204.00	4872	292.00	222
50.00	18832	132.00	112	205.00	8031	293.00	1163
51.00	55464	134.00	822	206.00	26184	294.00	154
52.00	2471	135.00	976	207.00	3979	295.00	308
55.00	286	136.00	482	208.00	1189	296.00	6610
56.00	2113	137.00	1268	210.00	1071	297.00	549
57.00	3203	138.00	388	211.00	1338	298.00	106
58.00	146	139.00	103	212.00	286	302.00	211
61.00	747	140.00	152	213.00	102	303.00	191
62.00	571	141.00	2704	215.00	86	303.00	1333
63.00	1641	142.00	910	215.00	835	304.00	141
64.00	323	143.00	701	216.00	1119	314.00	419
65.00	307	144.00	240	217.00	7993	315.00	1092
68.00	729	146.00	774	218.00	1322	316.00	747
69.00	62928	147.00	1050	219.00	220	321.00	363
70.00	559	148.00	5165	220.00	691	323.00	2398
73.00	809	149.00	908	221.00	3396	324.00	402
74.00	8049	150.00	408	222.00	900	327.00	449
75.00	10714	151.00	409	223.00	2338	328.00	366
76.00	4114	152.00	193	224.00	16840	333.00	89
77.00	75504	153.00	1030	225.00	4842	334.00	1191
78.00	4931	154.00	296	226.00	918	335.00	124
79.00	3479	155.00	2664	227.00	6947	341.00	405
80.00	3736	156.00	2161	228.00	1591	342.00	88
81.00	4886	157.00	317	229.00	1148	345.00	107
82.00	834	158.00	1033	231.00	381	346.00	462

Report Date: 18-Aug-2022 17:52:03 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1850a.D\MSSemi_HP20296.rslt\spectra.
Injection Date: 18-Aug-2022 15:49:49
Spectrum: Tune Spec :Average 665-667(5.14-5.15) Bgrd 660(5.12)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 269

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	1614	159.00	749	234.00	636	352.00	179
84.00	1764	160.00	915	235.00	455	352.00	729
85.00	1070	161.00	1106	236.00	146	353.00	407
87.00	799	162.00	418	237.00	399	354.00	294
90.00	141	163.00	95	238.00	85	363.00	109
91.00	1344	164.00	219	239.00	441	365.00	3710
92.00	815	165.00	1585	240.00	418	366.00	651
93.00	8489	166.00	1501	241.00	713	371.00	382
94.00	167	167.00	8005	242.00	1411	372.00	1493
96.00	517	168.00	4984	243.00	1877	373.00	94
97.00	173	169.00	780	244.00	11431	383.00	95
98.00	7034	171.00	297	245.00	2098	402.00	305
99.00	4377	172.00	370	246.00	1726	403.00	701
100.00	216	173.00	569	247.00	739	415.00	117
101.00	2642	174.00	1113	248.00	419	421.00	584
102.00	355	175.00	2346	249.00	1041	422.00	317
103.00	830	176.00	591	250.00	172	423.00	3404
104.00	1159	177.00	789	251.00	504	424.00	756
105.00	1448	178.00	371	252.00	1099	425.00	90
106.00	943	179.00	4553	253.00	1181	432.00	93
107.00	17640	180.00	2558	254.00	3937	432.00	207
108.00	2389	181.00	1164	255.00	55336	433.00	89
109.00	347	182.00	417	256.00	8165	434.00	893
110.00	25872	183.00	97	257.00	1149	436.00	1156
111.00	4445	184.00	887	258.00	3635	437.00	1037
112.00	829	185.00	2185	259.00	238	438.00	1346
113.00	210	186.00	15820	260.00	158	440.00	2256
114.00	286	187.00	4000	261.00	143	440.00	1994
115.00	96	188.00	711	265.00	515	441.00	14193
116.00	1550	189.00	744	265.00	1390	442.00	74384
117.00	18216	190.00	110	270.00	211	443.00	13897
118.00	1427	191.00	1144	271.00	546	444.00	1621
119.00	150	192.00	1270	272.00	1077		
121.00	388	193.00	1332	273.00	2788		

Report Date: 18-Aug-2022 17:52:03 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1850a.D\MSSemi_HP20296.rslt\spectra.
Injection Date: 18-Aug-2022 15:49:49
Spectrum: Tune Spec :Average 665-667(5.14-5.15) Bgrd 660(5.12)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 269

m/z	Y	m/z	Y	m/z	Y	m/z	Y
122.00	984	194.00	679	274.00	4283		

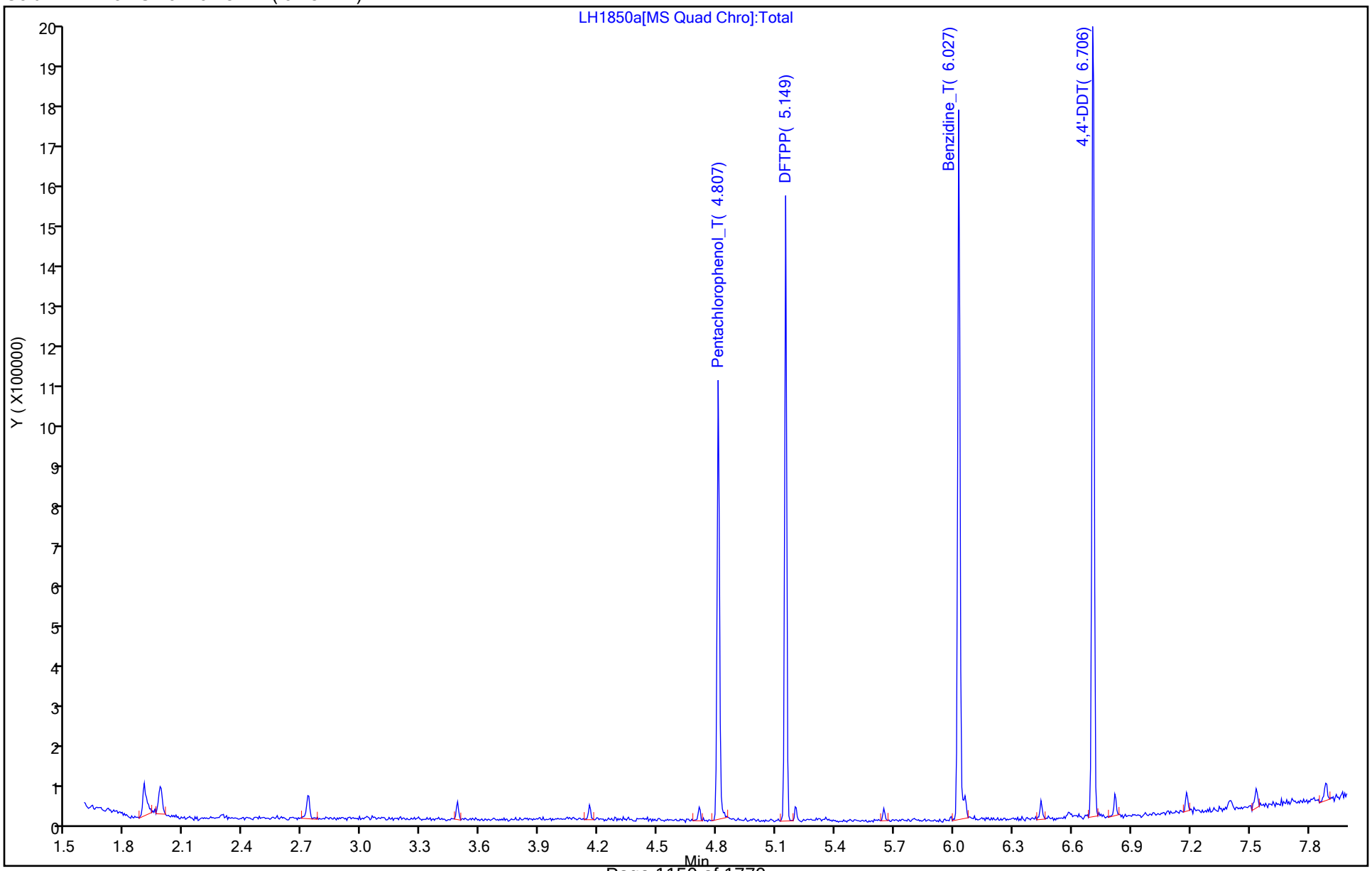
Report Date: 18-Aug-2022 17:52:03 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1850a.D

Injection Date:	18-Aug-2022 15:49:49	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1850a.D				
Injection Date:	18-Aug-2022 15:49:49	Instrument ID:	HP20296		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

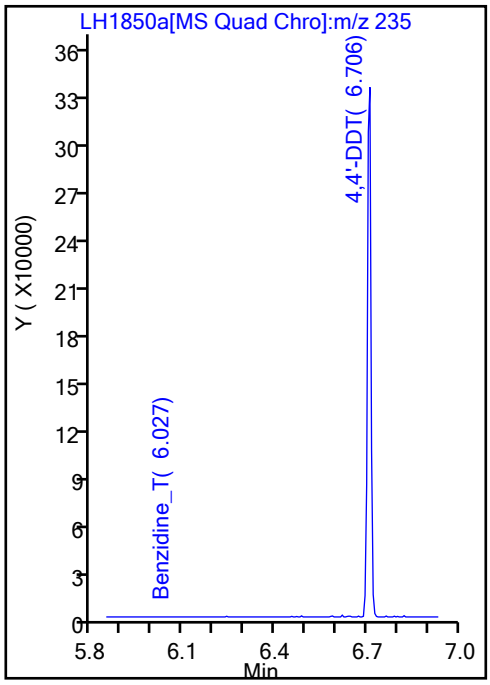
181 4,4'-DDT, Detector: MS Quad

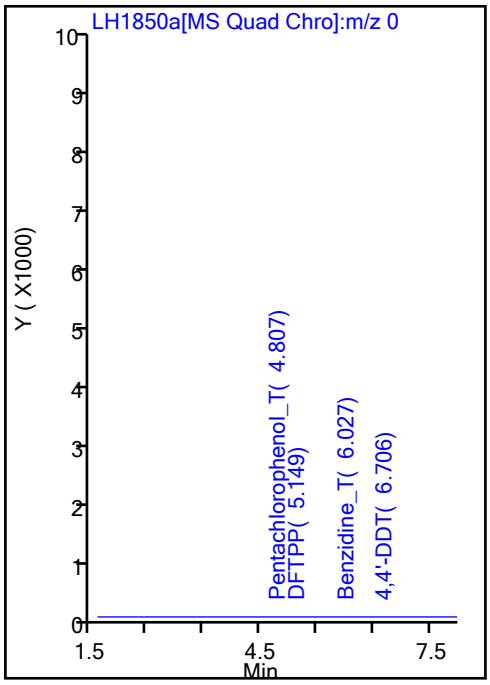
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 273796
180 4,4'-DDD, Area = 0
179 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

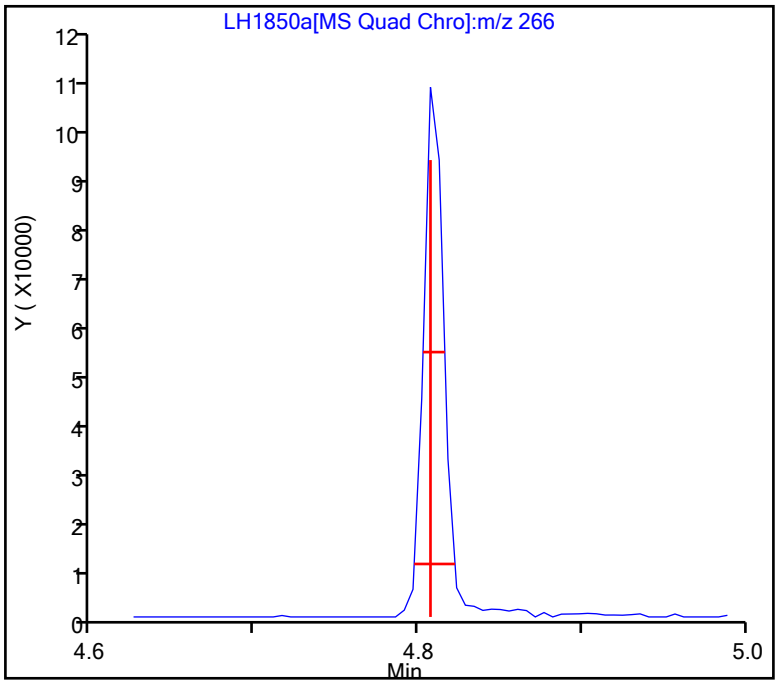
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1850a.D
Injection Date: 18-Aug-2022 15:49:49 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.50, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

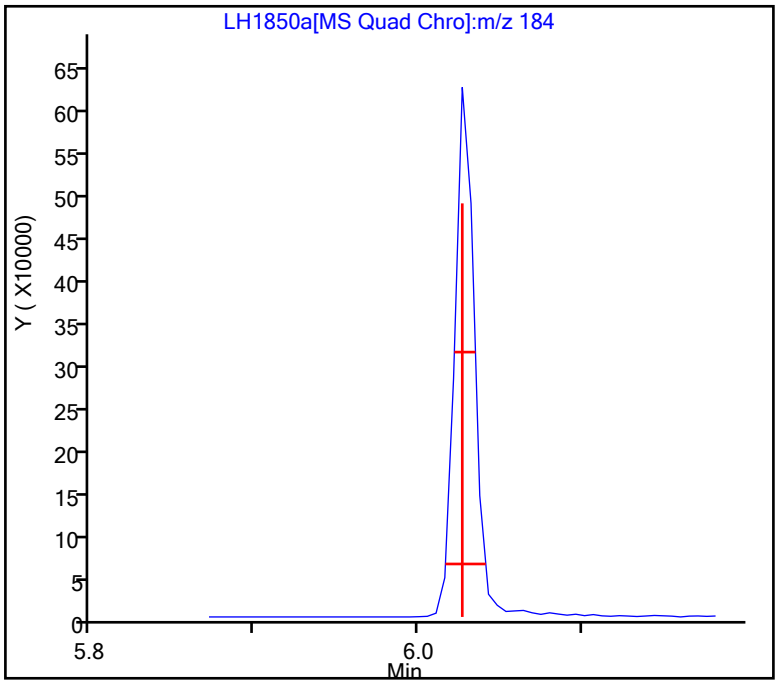
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1850a.D
Injection Date: 18-Aug-2022 15:49:49 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.40, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-286371/1-A

Matrix: Water
Lab File ID: LH1652.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/16/2022 09:10

Sample wt/vol: 250(mL)
Date Analyzed: 08/16/2022 15:51

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 286564
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	ND		10	3
51-28-5	2,4-Dinitrophenol	ND		30	10
95-57-8	2-Chlorophenol	ND		2	0.5
86-74-8	Carbazole	ND		2	0.5
108-95-2	Phenol	ND		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	92		10-150
321-60-8	2-Fluorobiphenyl (Surr)	70		44-120
367-12-4	2-Fluorophenol (Surr)	49		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	71		25-125
4165-62-2	Phenol-d5 (Surr)	36		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	95		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1652.D
Lims ID: MB 410-286371/1-A
Client ID:
Sample Type: MB
Inject. Date: 16-Aug-2022 15:51:06 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-286371/1-A
Misc. Info.: 410-0064288-003
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 16-Aug-2022 19:29:07 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: P7EB Date: 16-Aug-2022 19:01:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	3.087	3.092	-0.005	94	1546573	50.0	24.4	
15 Benzaldehyde	77		3.932					ND	7
$ 16 Phenol-d5	99	3.985	3.986	-0.001	98	1535793	50.0	18.0	
17 Phenol	94		3.996					ND	7
19 Bis(2-chloroethyl)ether	93		4.092					ND	7
20 2-Chlorophenol	128		4.146					ND	7
* 24 1,4-Dichlorobenzene-d4	152	4.349	4.349	0.000	97	225037	5.00	5.00	
31 2-Methylphenol	108		4.585					ND	7
32 2,2'-oxybis[1-chloropropane]	45		4.611					ND	7
36 4-Methylphenol	108		4.734					ND	7
35 Acetophenone	105		4.734					ND	7
37 N-Nitrosodi-n-propylamine	70		4.734					ND	7
40 Hexachloroethane	117		4.836					ND	7
$ 41 Nitrobenzene-d5	82	4.879	4.879	0.000	88	1602627	25.0	17.7	
42 Nitrobenzene	77		4.900					ND	7
46 Isophorone	82		5.125					ND	7
47 2-Nitrophenol	139		5.200					ND	7
48 2,4-Dimethylphenol	107		5.242					ND	7
51 Bis(2-chloroethoxy)methane	93		5.339					ND	7
52 2,4-Dichlorophenol	162		5.430					ND	7
* 55 Naphthalene-d8	136	5.563	5.563	0.000	99	862019	5.00	5.00	
56 Naphthalene	128		5.585					ND	7
57 4-Chloroaniline	127		5.638					ND	7
60 Hexachlorobutadiene	225		5.708					ND	7
64 Caprolactam	113		5.959					ND	7
66 4-Chloro-3-methylphenol	107		6.109					ND	7
69 2-Methylnaphthalene	142		6.248					ND	7
71 Hexachlorocyclopentadiene	237		6.398					ND	7
72 1,2,4,5-Tetrachlorobenzene	216		6.403					ND	7
74 2,4,6-Trichlorophenol	196		6.515					ND	7
75 2,4,5-Trichlorophenol	196		6.553					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 76 2-Fluorobiphenyl (Surr)	172	6.601	6.601	0.000	99	2905204	25.0	17.4	
79 1,1'-Biphenyl	154		6.692					ND	7
80 2-Chloronaphthalene	162		6.708					ND	7
83 2-Nitroaniline	138		6.810					ND	7
86 Dimethyl phthalate	163		6.986					ND	7
88 2,6-Dinitrotoluene	165		7.040					ND	U
90 Acenaphthylene	152		7.104					ND	7
91 3-Nitroaniline	138		7.195					ND	7
* 92 Acenaphthene-d10	164	7.232	7.232	0.000	97	545429	5.00	5.00	
93 Acenaphthene	153		7.264					ND	U
94 2,4-Dinitrophenol	184		7.296					ND	U
96 4-Nitrophenol	109		7.366					ND	7
99 2,4-Dinitrotoluene	165		7.419					ND	7
100 Dibenzofuran	168		7.430					ND	7
102 2,3,4,6-Tetrachlorophenol	232		7.548					ND	
104 Diethyl phthalate	149		7.660					ND	7
105 Fluorene	166		7.756					ND	7
108 4-Chlorophenyl phenyl ether	204		7.762					ND	7
109 4-Nitroaniline	138		7.778					ND	7
110 4,6-Dinitro-2-methylphenol	198		7.804					ND	U
111 N-Nitrosodiphenylamine	169		7.874					ND	7
$ 113 2,4,6-Tribromophenol	330	7.981	7.981	0.000	94	1218101	50.0	46.0	
118 4-Bromophenyl phenyl ether	248		8.222					ND	
120 Hexachlorobenzene	284		8.270					ND	7
122 Atrazine	200		8.382					ND	7
123 Pentachlorophenol	266		8.462					ND	7
* 127 Phenanthrene-d10	188	8.639	8.639	0.000	97	1135663	5.00	5.00	
129 Phenanthrene	178		8.666					ND	7
130 Anthracene	178		8.714					ND	7
131 Carbazole	167		8.869					ND	7
133 Di-n-butyl phthalate	149		9.216					ND	7
138 Fluoranthene	202		9.789					ND	7
* 140 Pyrene-d10 (IS)	212	9.987	9.987	0.000	96	1240248	5.00	5.00	
141 Pyrene	202		10.003					ND	U
$ 142 p-Terphenyl-d14	244	10.168	10.163	-0.001	96	5546961	25.0	23.7	
146 Butyl benzyl phthalate	149		10.671					ND	7
148 3,3'-Dichlorobenzidine	252		11.244					ND	7
149 Benzo[a]anthracene	228		11.254					ND	U
151 Chrysene	228		11.297					ND	7
152 Bis(2-ethylhexyl) phthalate	149		11.335					ND	7
154 Di-n-octyl phthalate	149		12.174					ND	U
155 Benzo[b]fluoranthene	252		12.618					ND	7
157 Benzo[k]fluoranthene	252		12.661					ND	7
158 Benzo[a]pyrene	252		13.062					ND	U
* 159 Perylene-d12	264	13.142	13.142	0.000	98	1067675	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276		14.693					ND	7
164 Dibenz(a,h)anthracene	278		14.742					ND	U
165 Benzo[g,h,i]perylene	276		15.116					ND	U

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

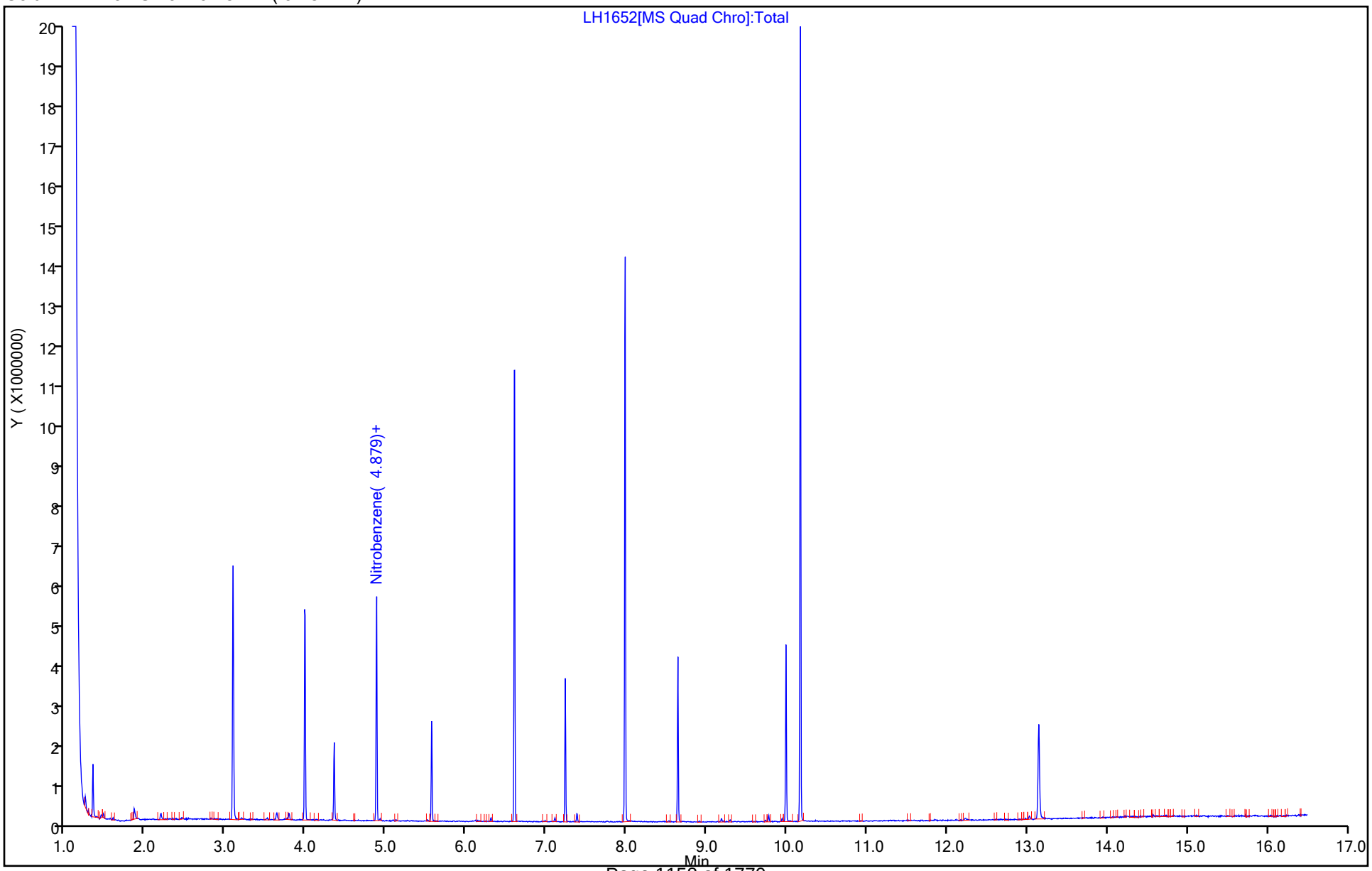
Report Date: 16-Aug-2022 19:29:36 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1652.D

Injection Date:	16-Aug-2022 15:51:06	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	MB 410-286371/1-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1652.D
Lims ID: MB 410-286371/1-A
Client ID:
Sample Type: MB
Inject. Date: 16-Aug-2022 15:51:06 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-286371/1-A
Misc. Info.: 410-0064288-003
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 16-Aug-2022 19:29:07 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: P7EB Date: 16-Aug-2022 19:01:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	24.4	48.81
$ 16 Phenol-d5	50.0	18.0	35.91
$ 41 Nitrobenzene-d5	25.0	17.7	70.83
$ 76 2-Fluorobiphenyl (Surr)	25.0	17.4	69.57
$ 113 2,4,6-Tribromophenol	50.0	46.0	92.05
$ 142 p-Terphenyl-d14	25.0	23.7	94.97

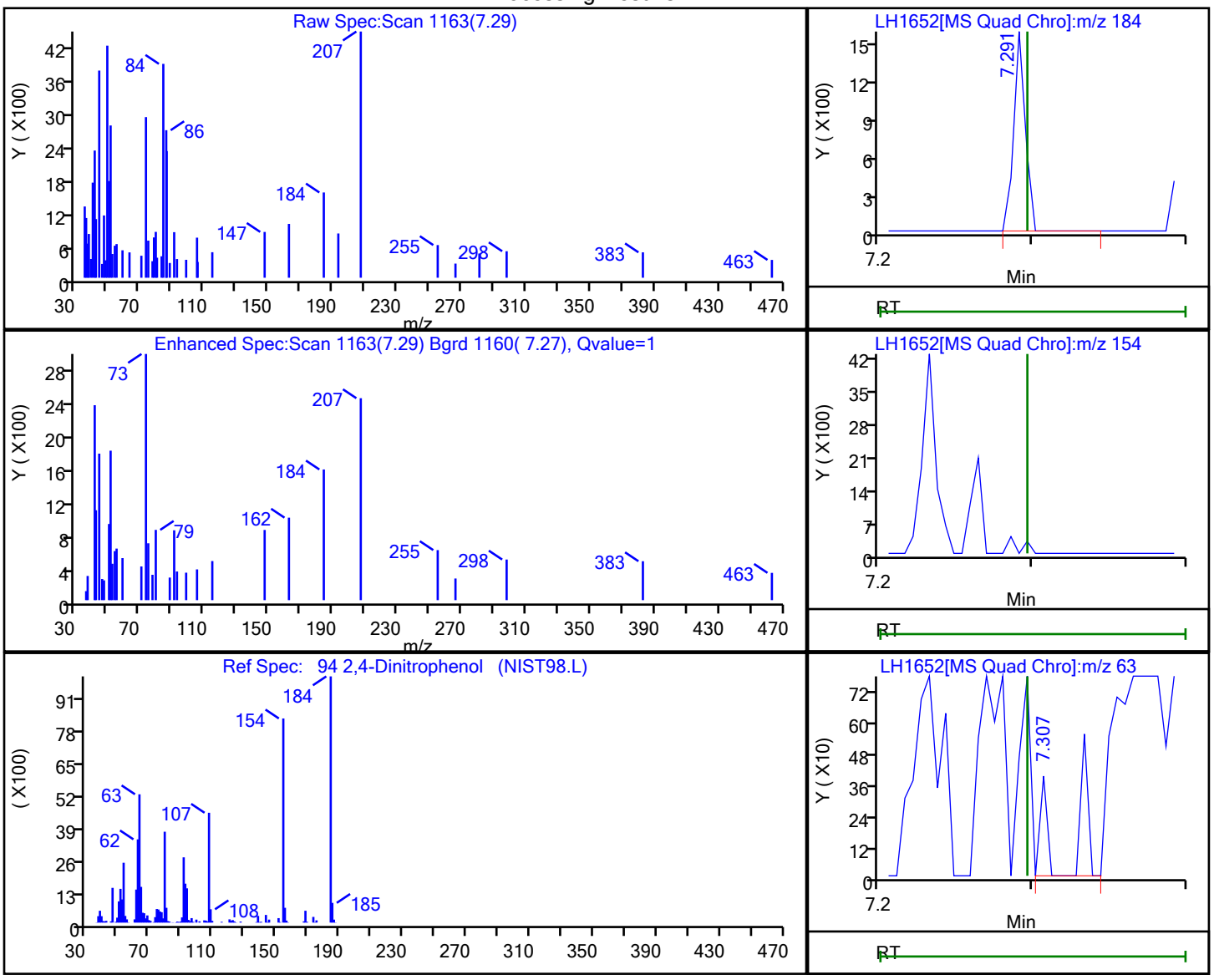
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1652.D				
Injection Date:	16-Aug-2022 15:51:06	Instrument ID:	HP20296		
Lims ID:	MB 410-286371/1-A				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

94 2,4-Dinitrophenol, CAS: 51-28-5

Processing Results



RT	Mass	Response	Amount
7.29	184.00	820	3.041351
7.30	154.00	0	
7.31	63.00	302	
7.31	107.00	353	

Reviewer: P7EB, 16-Aug-2022 19:00:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-287252/1-A

Matrix: Water
Lab File ID: LH1853.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:50

Sample wt/vol: 250(mL)
Date Analyzed: 08/18/2022 17:10

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287356
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	ND		10	3
51-28-5	2,4-Dinitrophenol	ND		30	10
95-57-8	2-Chlorophenol	ND		2	0.5
86-74-8	Carbazole	ND		2	0.5
108-95-2	Phenol	ND		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	83		10-150
321-60-8	2-Fluorobiphenyl (Surr)	69		44-120
367-12-4	2-Fluorophenol (Surr)	46		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	75		25-125
4165-62-2	Phenol-d5 (Surr)	35		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	94		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1853.D
Lims ID: MB 410-287252/1-A
Client ID:
Sample Type: MB
Inject. Date: 18-Aug-2022 17:10:10 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-287252/1-A
Misc. Info.: 410-0064445-004
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 18-Aug-2022 19:09:52 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: P7EB Date: 18-Aug-2022 19:09:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 N-Nitrosodimethylamine	74		1.916					ND	7
$ 10 2-Fluorophenol	112	3.049	3.059	-0.006	94	855074	50.0	23.2	
15 Benzaldehyde	77		3.895					ND	7
$ 16 Phenol-d5	99	3.948	3.958	-0.005	99	876322	50.0	17.6	
17 Phenol	94		3.964					ND	7
19 Bis(2-chloroethyl)ether	93		4.060					ND	7
20 2-Chlorophenol	128		4.109					ND	7
22 1,3-Dichlorobenzene	146		4.258					ND	7
* 24 1,4-Dichlorobenzene-d4	152	4.312	4.312	0.000	97	131005	5.00	5.00	
25 1,4-Dichlorobenzene	146		4.333					ND	7
27 Benzyl alcohol	108		4.446					ND	7
29 1,2-Dichlorobenzene	146		4.472					ND	7
31 2-Methylphenol	108		4.553					ND	
32 2,2'-oxybis[1-chloropropane]	45		4.579					ND	7
36 4-Methylphenol	108		4.702					ND	7
35 Acetophenone	105		4.702					ND	7
37 N-Nitrosodi-n-propylamine	70		4.702					ND	7
40 Hexachloroethane	117		4.799					ND	7
$ 41 Nitrobenzene-d5	82	4.841	4.847	-0.006	85	984186	25.0	18.8	
42 Nitrobenzene	77		4.863					ND	U
46 Isophorone	82		5.093					ND	7
47 2-Nitrophenol	139		5.168					ND	
48 2,4-Dimethylphenol	107		5.210					ND	
50 Benzoic acid	105		5.291					ND	7
51 Bis(2-chloroethoxy)methane	93		5.307					ND	
52 2,4-Dichlorophenol	162		5.398					ND	
54 1,2,4-Trichlorobenzene	180		5.478					ND	
* 55 Naphthalene-d8	136	5.531	5.531	0.000	99	498823	5.00	5.00	
56 Naphthalene	128		5.553					ND	7
57 4-Chloroaniline	127		5.606					ND	7
60 Hexachlorobutadiene	225		5.676					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
64 Caprolactam	113		5.932					ND	7
66 4-Chloro-3-methylphenol	107		6.077					ND	
69 2-Methylnaphthalene	142		6.216					ND	
70 1-Methylnaphthalene	142		6.307					ND	
71 Hexachlorocyclopentadiene	237		6.366					ND	7
72 1,2,4,5-Tetrachlorobenzene	216		6.371					ND	
74 2,4,6-Trichlorophenol	196		6.483					ND	7
75 2,4,5-Trichlorophenol	196		6.521					ND	7
$ 76 2-Fluorobiphenyl (Surr)	172	6.569	6.569	0.000	99	1816825	25.0	17.2	
79 1,1'-Biphenyl	154		6.665					ND	7
80 2-Chloronaphthalene	162		6.676					ND	7
83 2-Nitroaniline	138		6.778					ND	7
86 Dimethyl phthalate	163		6.959					ND	7
88 2,6-Dinitrotoluene	165		7.013					ND	U
90 Acenaphthylene	152		7.072					ND	7
91 3-Nitroaniline	138		7.168					ND	7
* 92 Acenaphthene-d10	164	7.200	7.200	0.000	97	344579	5.00	5.00	
93 Acenaphthene	153		7.232					ND	7
94 2,4-Dinitrophenol	184		7.270					ND	U
96 4-Nitrophenol	109		7.339					ND	7
99 2,4-Dinitrotoluene	165		7.393					ND	U
100 Dibenzofuran	168		7.398					ND	
102 2,3,4,6-Tetrachlorophenol	232		7.516					ND	
104 Diethyl phthalate	149		7.633					ND	7
105 Fluorene	166		7.724					ND	
108 4-Chlorophenyl phenyl ether	204		7.730					ND	7
109 4-Nitroaniline	138		7.746					ND	
110 4,6-Dinitro-2-methylphenol	198		7.772					ND	U
111 N-Nitrosodiphenylamine	169		7.842					ND	
$ 113 2,4,6-Tribromophenol	330	7.949	7.949	0.000	93	693348	50.0	41.5	
118 4-Bromophenyl phenyl ether	248		8.195					ND	
120 Hexachlorobenzene	284		8.238					ND	7
122 Atrazine	200		8.355					ND	
123 Pentachlorophenol	266		8.430					ND	7
* 127 Phenanthrene-d10	188	8.607	8.607	0.000	97	757135	5.00	5.00	
129 Phenanthrene	178		8.634					ND	7
130 Anthracene	178		8.682					ND	7
131 Carbazole	167		8.837					ND	7
133 Di-n-butyl phthalate	149	9.184	9.184	0.000	100	415822		2.46	
138 Fluoranthene	202		9.762					ND	7
* 140 Pyrene-d10 (IS)	212	9.955	9.955	0.000	95	874718	5.00	5.00	
141 Pyrene	202		9.976					ND	7
$ 142 p-Terphenyl-d14	244	10.136	10.131	0.000	97	3877678	25.0	23.5	
146 Butyl benzyl phthalate	149		10.639					ND	7
148 3,3'-Dichlorobenzidine	252		11.206					ND	7
149 Benzo[a]anthracene	228		11.217					ND	
151 Chrysene	228		11.260					ND	
152 Bis(2-ethylhexyl) phthalate	149		11.302					ND	7
154 Di-n-octyl phthalate	149		12.132					ND	U
155 Benzo[b]fluoranthene	252		12.575					ND	7
157 Benzo[k]fluoranthene	252		12.613					ND	7
158 Benzo[a]pyrene	252		13.019					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 159 Perylene-d12	264	13.094	13.094	0.000	98	628765	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276		14.629					ND	7
164 Dibenz(a,h)anthracene	278		14.677					ND	7
165 Benzo[g,h,i]perylene	276		15.052					ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

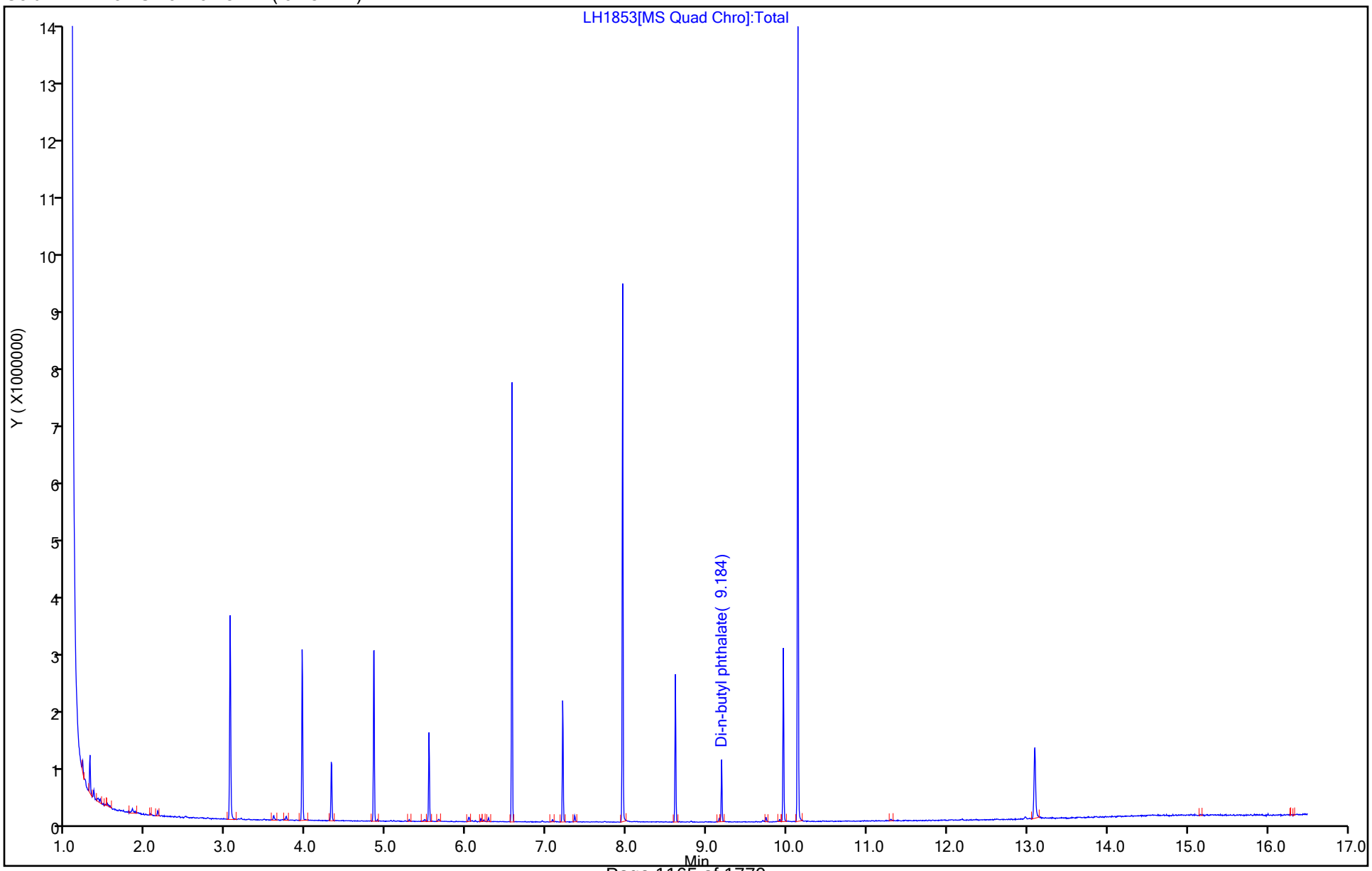
Report Date: 18-Aug-2022 19:10:02 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1853.D

Injection Date:	18-Aug-2022 17:10:10	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	MB 410-287252/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1853.D
Lims ID: MB 410-287252/1-A
Client ID:
Sample Type: MB
Inject. Date: 18-Aug-2022 17:10:10 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-287252/1-A
Misc. Info.: 410-0064445-004
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 18-Aug-2022 19:09:52 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: P7EB Date: 18-Aug-2022 19:09:52

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	23.2	46.35
$ 16 Phenol-d5	50.0	17.6	35.20
$ 41 Nitrobenzene-d5	25.0	18.8	75.17
$ 76 2-Fluorobiphenyl (Surr)	25.0	17.2	68.87
$ 113 2,4,6-Tribromophenol	50.0	41.5	82.94
$ 142 p-Terphenyl-d14	25.0	23.5	94.13

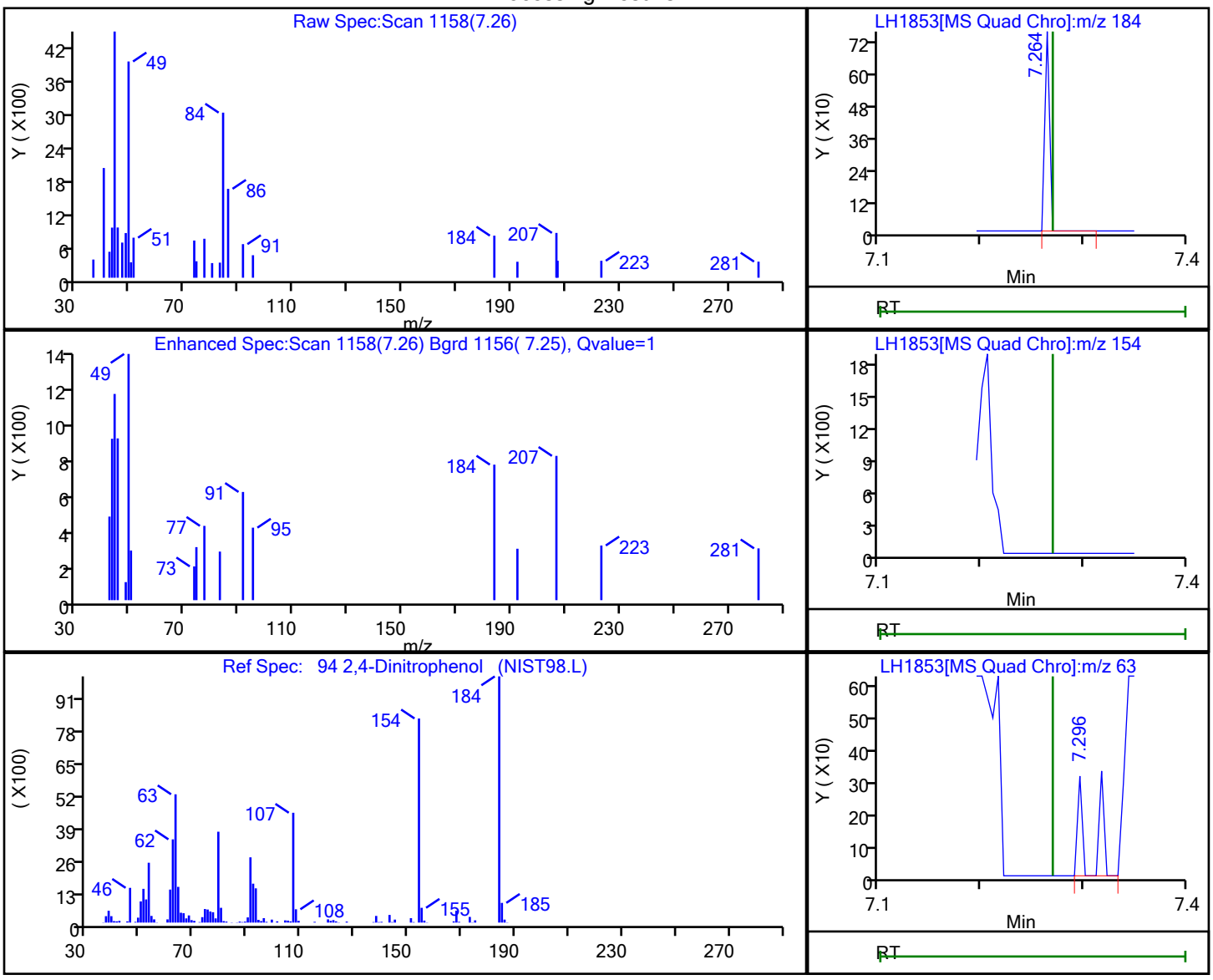
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1853.D				
Injection Date:	18-Aug-2022 17:10:10	Instrument ID:	HP20296		
Lims ID:	MB 410-287252/1-A				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

94 2,4-Dinitrophenol, CAS: 51-28-5

Processing Results



RT	Mass	Response	Amount
7.26	184.00	243	3.017153
7.27	154.00	0	
7.30	63.00	207	
7.27	107.00	0	

Reviewer: P7EB, 18-Aug-2022 17:51:07

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-286371/2-A

Matrix: Water
Lab File ID: LH1653.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/16/2022 09:10

Sample wt/vol: 250(mL)
Date Analyzed: 08/16/2022 16:12

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 286564
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	42		10	3
51-28-5	2,4-Dinitrophenol	120		30	10
95-57-8	2-Chlorophenol	39		2	0.5
86-74-8	Carbazole	47		2	0.5
108-95-2	Phenol	23		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	95		10-150
321-60-8	2-Fluorobiphenyl (Surr)	81		44-120
367-12-4	2-Fluorophenol (Surr)	51		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	78		25-125
4165-62-2	Phenol-d5 (Surr)	39		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	101		37-120

Report Date: 16-Aug-2022 19:29:40 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1653.D
Lims ID: LCS 410-286371/2-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Aug-2022 16:12:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-286371/2-A
Misc. Info.: 410-0064288-004
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 16-Aug-2022 19:29:07 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: P7EB Date: 16-Aug-2022 19:02:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	3.087	3.092	-0.005	95	1338304	50.0	25.4	
15 Benzaldehyde	77	3.932	3.932	0.000	92	539762	12.5	9.39	
$ 16 Phenol-d5	99	3.985	3.986	-0.001	98	1385067	50.0	19.5	
17 Phenol	94	3.996	3.996	0.000	98	425564	12.5	5.65	
19 Bis(2-chloroethyl)ether	93	4.092	4.092	0.000	96	641963	12.5	10.5	
20 2-Chlorophenol	128	4.146	4.146	0.000	95	498241	12.5	9.67	
* 24 1,4-Dichlorobenzene-d4	152	4.349	4.349	0.000	96	187136	5.00	5.00	
31 2-Methylphenol	108	4.585	4.585	-0.001	97	505315	12.5	10.1	
32 2,2'-oxybis[1-chloropropane]	45	4.611	4.611	0.000	91	721331	12.5	10.2	
36 4-Methylphenol	108	4.729	4.734	-0.005	62	518032	12.5	9.24	
35 Acetophenone	105	4.734	4.734	0.000	81	919534	12.5	10.6	
37 N-Nitrosodi-n-propylamine	70	4.734	4.734	0.000	72	552716	12.5	10.6	
40 Hexachloroethane	117	4.836	4.836	0.000	87	124832	12.5	4.89	
$ 41 Nitrobenzene-d5	82	4.879	4.879	0.000	87	1386256	25.0	19.5	
42 Nitrobenzene	77	4.895	4.900	-0.005	85	792280	12.5	10.4	
46 Isophorone	82	5.125	5.125	0.000	99	1419664	12.5	11.0	
47 2-Nitrophenol	139	5.200	5.200	0.000	95	256024	12.5	11.4	
48 2,4-Dimethylphenol	107	5.242	5.242	0.000	98	625097	12.5	10.6	
51 Bis(2-chloroethoxy)methane	93	5.339	5.339	0.000	98	840636	12.5	11.2	
52 2,4-Dichlorophenol	162	5.430	5.430	0.000	96	503844	12.5	10.7	
* 55 Naphthalene-d8	136	5.563	5.563	0.000	99	678100	5.00	5.00	
56 Naphthalene	128	5.585	5.585	0.000	99	1472329	12.5	9.49	
57 4-Chloroaniline	127	5.638	5.638	0.000	94	583500	12.5	8.61	
60 Hexachlorobutadiene	225	5.708	5.708	0.000	93	165371	12.5	4.49	
64 Caprolactam	113	5.954	5.959	-0.005	78	44176	12.5	2.53	
66 4-Chloro-3-methylphenol	107	6.104	6.109	-0.005	93	534416	12.5	11.0	
69 2-Methylnaphthalene	142	6.248	6.248	0.000	91	921710	12.5	8.97	
71 Hexachlorocyclopentadiene	237	6.398	6.398	0.000	95	96648	12.5	2.33	
72 1,2,4,5-Tetrachlorobenzene	216	6.403	6.403	0.000	97	430291	12.5	6.72	
74 2,4,6-Trichlorophenol	196	6.515	6.515	0.000	83	436944	12.5	11.6	
75 2,4,5-Trichlorophenol	196	6.547	6.553	-0.006	91	454187	12.5	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 76 2-Fluorobiphenyl (Surr)	172	6.601	6.601	0.000	99	2596854	25.0	20.3	
79 1,1'-Biphenyl	154	6.692	6.692	0.000	98	1245499	12.5	9.78	
80 2-Chloronaphthalene	162	6.708	6.708	0.000	97	986953	12.5	9.73	
83 2-Nitroaniline	138	6.810	6.810	0.000	84	341313	12.5	11.7	
86 Dimethyl phthalate	163	6.986	6.986	0.000	98	1065265	12.5	8.68	
88 2,6-Dinitrotoluene	165	7.040	7.040	0.000	89	300236	12.5	11.9	
90 Acenaphthylene	152	7.098	7.104	-0.006	98	1690539	12.5	10.9	
91 3-Nitroaniline	138	7.195	7.195	0.000	88	275809	12.5	10.9	
* 92 Acenaphthene-d10	164	7.232	7.232	0.000	96	417766	5.00	5.00	
93 Acenaphthene	153	7.264	7.264	0.000	98	1153568	12.5	10.6	
94 2,4-Dinitrophenol	184	7.296	7.296	0.000	85	375265	25.0	30.2	
96 4-Nitrophenol	109	7.366	7.366	0.000	94	303398	25.0	16.1	
99 2,4-Dinitrotoluene	165	7.419	7.419	0.000	87	409808	12.5	12.1	
100 Dibenzofuran	168	7.430	7.430	0.000	97	1655365	12.5	10.8	
102 2,3,4,6-Tetrachlorophenol	232	7.542	7.548	-0.006	72	416019	12.5	11.6	
104 Diethyl phthalate	149	7.660	7.660	0.000	97	1304792	12.5	11.0	
105 Fluorene	166	7.751	7.756	-0.005	91	1361031	12.5	10.7	
108 4-Chlorophenyl phenyl ether	204	7.762	7.762	0.000	93	685680	12.5	9.85	
109 4-Nitroaniline	138	7.772	7.778	-0.006	79	314846	12.5	10.3	
110 4,6-Dinitro-2-methylphenol	198	7.799	7.804	-0.005	84	500729	25.0	27.4	
111 N-Nitrosodiphenylamine	169	7.869	7.874	-0.005	98	1079625	10.6	9.88	
$ 113 2,4,6-Tribromophenol	330	7.981	7.981	0.000	95	966054	50.0	47.7	
118 4-Bromophenyl phenyl ether	248	8.222	8.222	0.000	70	440620	12.5	10.4	
120 Hexachlorobenzene	284	8.270	8.270	0.000	96	521395	12.5	11.0	
122 Atrazine	200	8.382	8.382	0.000	92	442955	12.5	10.1	
123 Pentachlorophenol	266	8.457	8.462	-0.005	93	639879	25.0	23.4	
* 127 Phenanthrene-d10	188	8.639	8.639	0.000	97	917385	5.00	5.00	
129 Phenanthrene	178	8.660	8.666	-0.006	98	2332581	12.5	11.3	
130 Anthracene	178	8.708	8.714	-0.006	98	2290062	12.5	11.0	
131 Carbazole	167	8.863	8.869	-0.006	97	2190975	12.5	11.9	
133 Di-n-butyl phthalate	149	9.211	9.217	-0.005	100	2322851	12.5	11.3	
138 Fluoranthene	202	9.789	9.789	0.000	98	2822938	12.5	11.7	
* 140 Pyrene-d10 (IS)	212	9.987	9.987	0.000	96	979129	5.00	5.00	
141 Pyrene	202	10.003	9.997	0.000	97	3031345	12.5	12.4	
$ 142 p-Terphenyl-d14	244	10.163	10.163	-0.006	96	4672207	25.0	25.3	
146 Butyl benzyl phthalate	149	10.671	10.666	0.000	95	853767	12.5	10.1	
148 3,3'-Dichlorobenzidine	252	11.238	11.238	-0.006	73	1592335	25.0	17.9	
149 Benzo[a]anthracene	228	11.254	11.248	0.000	98	2949619	12.5	12.5	
151 Chrysene	228	11.292	11.291	-0.005	95	2929720	12.5	12.6	
152 Bis(2-ethylhexyl) phthalate	149	11.334	11.328	-0.001	97	1505384	12.5	12.1	
154 Di-n-octyl phthalate	149	12.169	12.169	-0.005	99	2286504	12.5	10.9	
155 Benzo[b]fluoranthene	252	12.613	12.613	-0.005	96	2586867	12.5	12.1	
157 Benzo[k]fluoranthene	252	12.650	12.656	-0.011	97	2739278	12.5	12.3	
158 Benzo[a]pyrene	252	13.062	13.057	0.000	77	2133125	12.5	12.0	
* 159 Perylene-d12	264	13.137	13.142	-0.005	98	776301	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276	14.688	14.688	-0.005	98	1882890	12.5	12.4	
164 Dibenz(a,h)anthracene	278	14.736	14.736	-0.006	91	2175420	12.5	12.8	
165 Benzo[g,h,i]perylene	276	15.111	15.110	-0.005	97	2259034	12.5	12.6	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

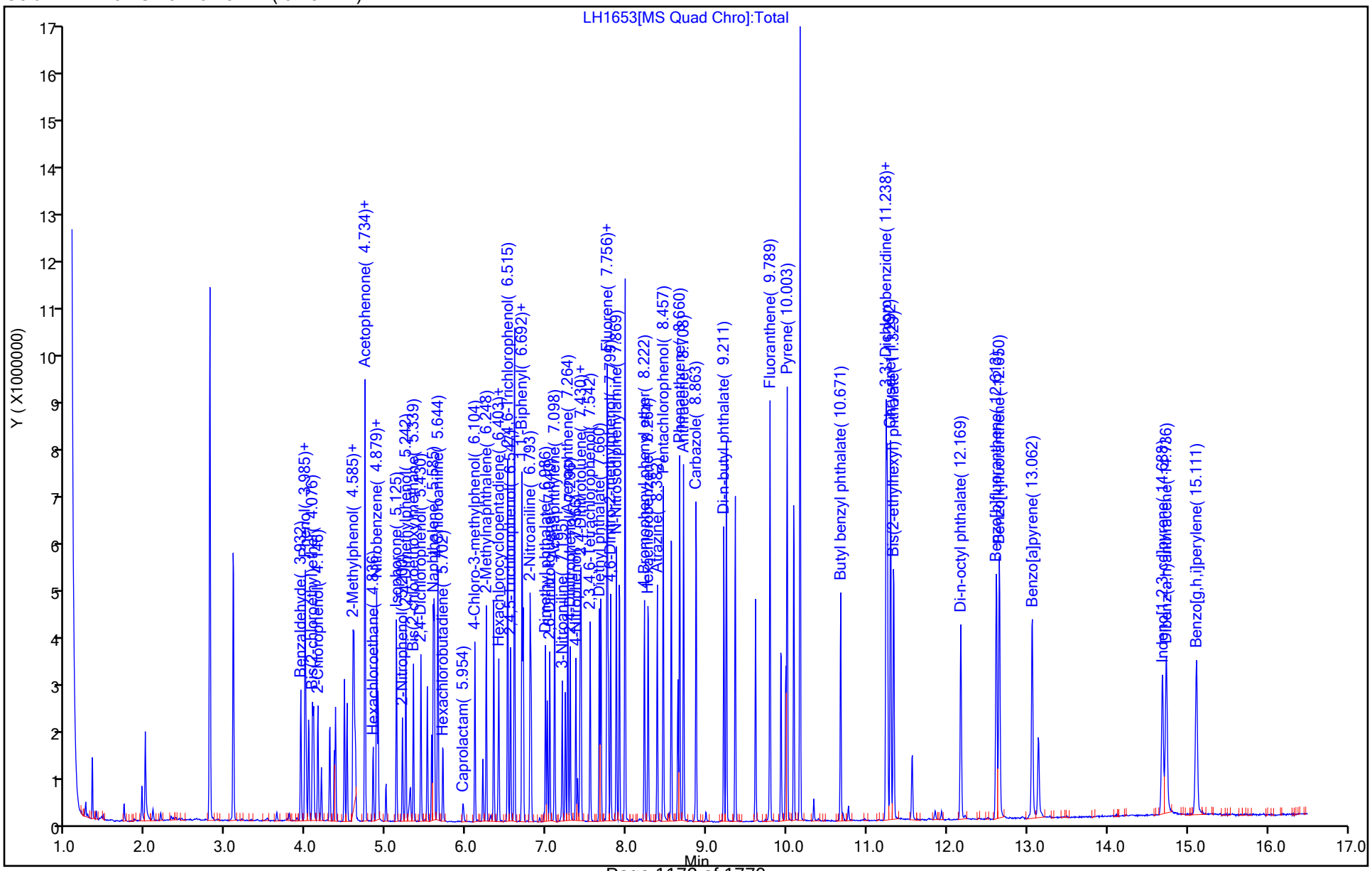
Report Date: 16-Aug-2022 19:29:40 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1653.D

Injection Date:	16-Aug-2022 16:12:00	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	LCS 410-286371/2-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1653.D
Lims ID: LCS 410-286371/2-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Aug-2022 16:12:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-286371/2-A
Misc. Info.: 410-0064288-004
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 16-Aug-2022 19:29:07 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: P7EB Date: 16-Aug-2022 19:02:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	25.4	50.79
$ 16 Phenol-d5	50.0	19.5	38.94
$ 41 Nitrobenzene-d5	25.0	19.5	77.88
$ 76 2-Fluorobiphenyl (Surr)	25.0	20.3	81.19
$ 113 2,4,6-Tribromophenol	50.0	47.7	95.31
$ 142 p-Terphenyl-d14	25.0	25.3	101.33

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-287252/2-A

Matrix: Water
Lab File ID: LH1854.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:50

Sample wt/vol: 250(mL)
Date Analyzed: 08/18/2022 17:31

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287356
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	47		10	3
51-28-5	2,4-Dinitrophenol	120		30	10
95-57-8	2-Chlorophenol	41		2	0.5
86-74-8	Carbazole	47		2	0.5
108-95-2	Phenol	27		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	88		10-150
321-60-8	2-Fluorobiphenyl (Surr)	72		44-120
367-12-4	2-Fluorophenol (Surr)	55		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	78		25-125
4165-62-2	Phenol-d5 (Surr)	44		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	94		37-120

Report Date: 18-Aug-2022 18:58:57 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1854.D
Lims ID: LCS 410-287252/2-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Aug-2022 17:31:10 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-287252/2-A
Misc. Info.: 410-0064445-005
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 18-Aug-2022 16:55:50 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: P7EB Date: 18-Aug-2022 18:52:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 N-Nitrosodimethylamine	74	1.916	1.916	0.000	90	184145	12.5	8.30	
$ 10 2-Fluorophenol	112	3.055	3.059	0.000	93	819914	50.0	27.6	
15 Benzaldehyde	77	3.895	3.895	0.000	93	281523	12.5	8.69	
$ 16 Phenol-d5	99	3.953	3.958	0.000	99	886408	50.0	22.1	
17 Phenol	94	3.964	3.964	0.000	98	282758	12.5	6.66	
19 Bis(2-chloroethyl)ether	93	4.060	4.060	0.000	97	383868	12.5	11.1	
20 2-Chlorophenol	128	4.114	4.109	0.005	95	298243	12.5	10.3	
22 1,3-Dichlorobenzene	146	4.258	4.258	0.000	93	214756	12.5	6.45	
* 24 1,4-Dichlorobenzene-d4	152	4.317	4.312	0.005	96	105408	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.333	4.338	0.000	88	231449	12.5	6.78	
27 Benzyl alcohol	108	4.446	4.446	0.000	89	247765	12.5	11.6	
29 1,2-Dichlorobenzene	146	4.478	4.472	0.006	91	243253	12.5	7.52	
31 2-Methylphenol	108	4.553	4.558	-0.001	96	334621	12.5	11.9	
32 2,2'-oxybis[1-chloropropane]	45	4.579	4.579	0.000	91	356686	12.5	8.97	
36 4-Methylphenol	108	4.702	4.708	0.000	59	351294	12.5	11.1	
35 Acetophenone	105	4.702	4.702	0.000	82	572514	12.5	11.7	
37 N-Nitrosodi-n-propylamine	70	4.702	4.702	0.000	66	325731	12.5	11.1	
40 Hexachloroethane	117	4.799	4.804	0.000	92	75500	12.5	5.25	
$ 41 Nitrobenzene-d5	82	4.847	4.847	0.000	86	849282	25.0	19.5	
42 Nitrobenzene	77	4.863	4.863	0.000	83	485829	12.5	10.5	
46 Isophorone	82	5.093	5.093	0.000	98	932277	12.5	11.9	
47 2-Nitrophenol	139	5.168	5.168	0.000	93	154466	12.5	11.3	
48 2,4-Dimethylphenol	107	5.210	5.210	0.000	99	420805	12.5	11.7	
50 Benzoic acid	105	5.269	5.291	-0.022	87	140136	12.5	9.21	
51 Bis(2-chloroethoxy)methane	93	5.307	5.307	0.000	98	570397	12.5	12.5	
52 2,4-Dichlorophenol	162	5.398	5.398	0.000	96	340559	12.5	11.9	
54 1,2,4-Trichlorobenzene	180	5.478	5.478	0.000	92	266834	12.5	7.72	
* 55 Naphthalene-d8	136	5.531	5.531	0.000	99	413934	5.00	5.00	
56 Naphthalene	128	5.553	5.553	0.000	98	891283	12.5	9.41	
57 4-Chloroaniline	127	5.606	5.606	0.000	95	337301	12.5	8.15	
60 Hexachlorobutadiene	225	5.676	5.676	0.000	95	99633	12.5	4.43	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
64 Caprolactam	113	5.932	5.932	0.000	84	32160	12.5	3.02	
66 4-Chloro-3-methylphenol	107	6.077	6.077	0.000	92	363376	12.5	12.3	
69 2-Methylnaphthalene	142	6.216	6.216	0.000	91	590871	12.5	9.42	
70 1-Methylnaphthalene	142	6.307	6.307	0.000	92	603051	12.5	10.1	
71 Hexachlorocyclopentadiene	237	6.366	6.366	0.000	94	65689	12.5	2.26	
72 1,2,4,5-Tetrachlorobenzene	216	6.371	6.371	0.000	96	379484	12.5	8.45	
74 2,4,6-Trichlorophenol	196	6.483	6.483	0.000	86	330259	12.5	12.5	
75 2,4,5-Trichlorophenol	196	6.521	6.521	0.000	93	347596	12.5	12.1	
$ 76 2-Fluorobiphenyl (Surr)	172	6.569	6.569	0.000	99	1625714	25.0	18.1	
79 1,1'-Biphenyl	154	6.660	6.665	-0.005	97	897281	12.5	10.0	
80 2-Chloronaphthalene	162	6.676	6.676	0.000	96	690162	12.5	9.70	
83 2-Nitroaniline	138	6.778	6.778	0.000	80	230373	12.5	11.2	
86 Dimethyl phthalate	163	6.954	6.959	-0.005	97	295729	12.5	3.44	
88 2,6-Dinitrotoluene	165	7.008	7.013	-0.005	89	204121	12.5	11.6	
90 Acenaphthylene	152	7.066	7.072	-0.006	99	1124719	12.5	10.3	
91 3-Nitroaniline	138	7.163	7.168	-0.005	90	170096	12.5	9.58	
* 92 Acenaphthene-d10	164	7.200	7.200	0.000	95	292932	5.00	5.00	
93 Acenaphthene	153	7.232	7.232	0.000	98	784976	12.5	10.3	
94 2,4-Dinitrophenol	184	7.264	7.270	-0.006	85	254081	25.0	29.3	
96 4-Nitrophenol	109	7.334	7.339	-0.005	90	209682	25.0	15.9	
99 2,4-Dinitrotoluene	165	7.387	7.393	-0.006	90	288218	12.5	12.2	
100 Dibenzofuran	168	7.398	7.398	0.000	97	1185404	12.5	11.1	
102 2,3,4,6-Tetrachlorophenol	232	7.510	7.516	-0.006	72	329892	12.5	13.1	
104 Diethyl phthalate	149	7.628	7.633	-0.005	97	626305	12.5	7.53	
105 Fluorene	166	7.724	7.724	0.000	93	991092	12.5	11.1	
108 4-Chlorophenyl phenyl ether	204	7.730	7.730	0.000	90	538608	12.5	11.0	
109 4-Nitroaniline	138	7.740	7.746	-0.006	79	212193	12.5	9.86	
110 4,6-Dinitro-2-methylphenol	198	7.772	7.772	0.000	89	377102	25.0	29.9	
111 N-Nitrosodiphenylamine	169	7.842	7.842	0.000	98	719531	10.6	9.62	
$ 113 2,4,6-Tribromophenol	330	7.949	7.949	0.000	93	627222	50.0	44.1	
118 4-Bromophenyl phenyl ether	248	8.190	8.195	-0.005	67	334170	12.5	11.5	
120 Hexachlorobenzene	284	8.238	8.238	0.000	95	365538	12.5	11.3	
122 Atrazine	200	8.355	8.355	0.000	94	335643	12.5	11.2	
123 Pentachlorophenol	266	8.425	8.430	-0.005	93	530776	25.0	28.4	
* 127 Phenanthrene-d10	188	8.607	8.607	0.000	97	628041	5.00	5.00	
129 Phenanthrene	178	8.628	8.634	-0.006	98	1605395	12.5	11.4	
130 Anthracene	178	8.676	8.682	-0.006	98	1627258	12.5	11.4	
131 Carbazole	167	8.831	8.837	-0.006	96	1495641	12.5	11.8	
133 Di-n-butyl phthalate	149	9.184	9.184	0.000	100	1751866	12.5	12.5	
138 Fluoranthene	202	9.757	9.762	-0.005	98	2006363	12.5	12.2	
* 140 Pyrene-d10 (IS)	212	9.955	9.955	0.000	96	731848	5.00	5.00	
141 Pyrene	202	9.971	9.976	-0.005	97	2109074	12.5	11.5	
$ 142 p-Terphenyl-d14	244	10.131	10.131	-0.005	97	3222945	25.0	23.4	
146 Butyl benzyl phthalate	149	10.639	10.639	0.000	95	404896	12.5	6.41	
148 3,3'-Dichlorobenzidine	252	11.201	11.206	-0.005	74	1181971	25.0	17.8	
149 Benzo[a]anthracene	228	11.217	11.217	0.000	98	2064761	12.5	11.7	
151 Chrysene	228	11.254	11.260	-0.006	95	2155635	12.5	12.4	
152 Bis(2-ethylhexyl) phthalate	149	11.297	11.302	-0.005	96	939185	12.5	10.1	
154 Di-n-octyl phthalate	149	12.132	12.132	0.000	99	1283306	12.5	8.21	
155 Benzo[b]fluoranthene	252	12.565	12.575	-0.010	95	1684057	12.5	10.3	
157 Benzo[k]fluoranthene	252	12.608	12.613	-0.005	98	2039688	12.5	11.9	
158 Benzo[a]pyrene	252	13.014	13.019	-0.005	76	1494962	12.5	11.0	

Report Date: 18-Aug-2022 18:58:57 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1854.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 159 Perylene-d12	264	13.089	13.094	-0.005	98	595137	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276	14.619	14.629	-0.010	98	1108461	12.5	9.49	
164 Dibenz(a,h)anthracene	278	14.672	14.677	-0.005	92	1368937	12.5	10.5	
165 Benzo[g,h,i]perylene	276	15.041	15.052	-0.011	97	1498718	12.5	10.9	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

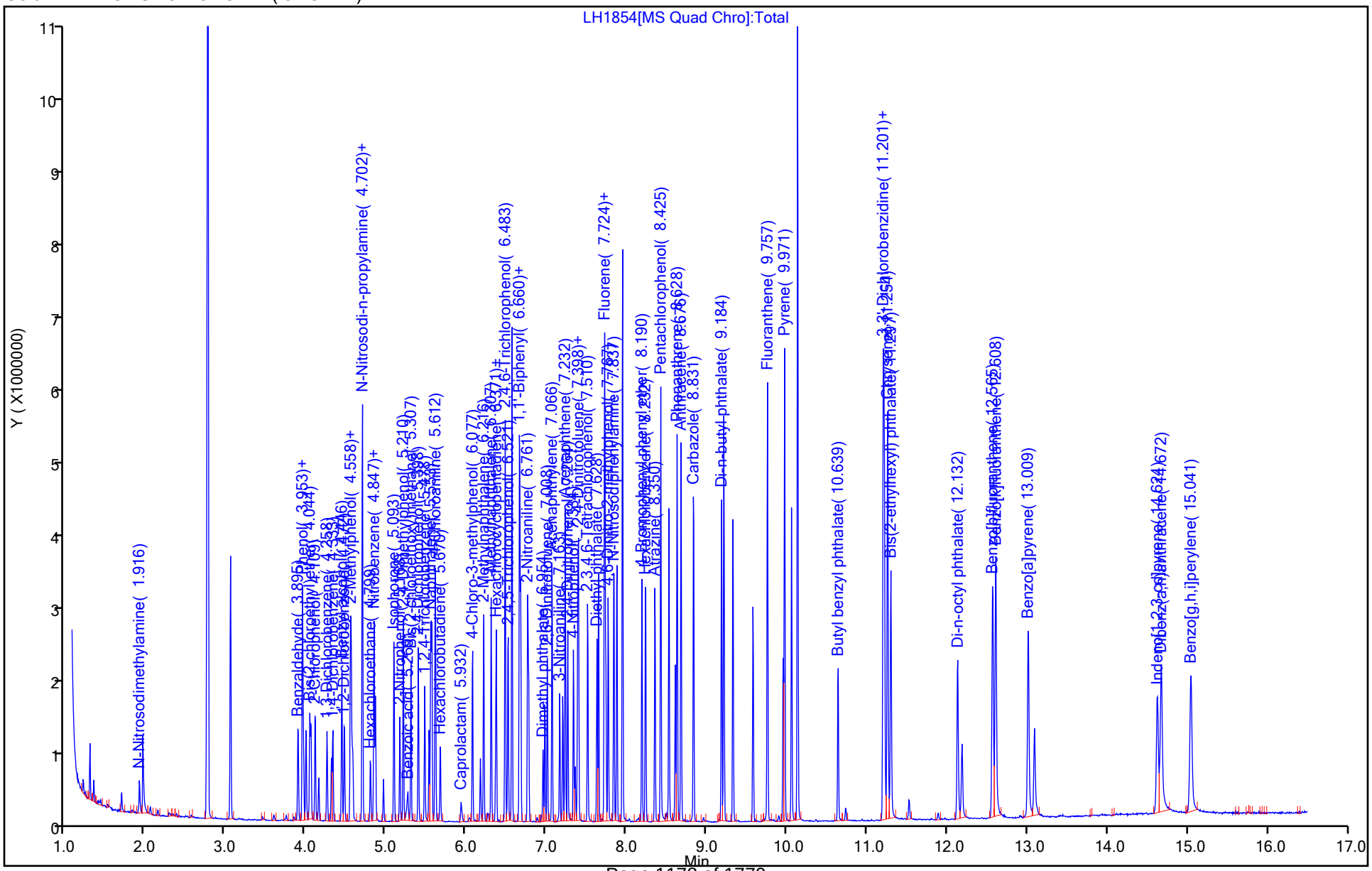
Report Date: 18-Aug-2022 18:58:58 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1854.D

Injection Date:	18-Aug-2022 17:31:10	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	LCS 410-287252/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1854.D
Lims ID: LCS 410-287252/2-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Aug-2022 17:31:10 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-287252/2-A
Misc. Info.: 410-0064445-005
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 18-Aug-2022 16:55:50 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: P7EB Date: 18-Aug-2022 18:52:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	27.6	55.24
$ 16 Phenol-d5	50.0	22.1	44.25
$ 41 Nitrobenzene-d5	25.0	19.5	78.16
$ 76 2-Fluorobiphenyl (Surr)	25.0	18.1	72.49
$ 113 2,4,6-Tribromophenol	50.0	44.1	88.25
$ 142 p-Terphenyl-d14	25.0	23.4	93.51

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-286371/3-A

Matrix: Water
Lab File ID: LH1654.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/16/2022 09:10

Sample wt/vol: 250(mL)
Date Analyzed: 08/16/2022 16:32

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 286564
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	38		10	3
51-28-5	2,4-Dinitrophenol	97		30	10
95-57-8	2-Chlorophenol	37		2	0.5
86-74-8	Carbazole	43		2	0.5
108-95-2	Phenol	24		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	81		10-150
321-60-8	2-Fluorobiphenyl (Surr)	69		44-120
367-12-4	2-Fluorophenol (Surr)	52		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	69		25-125
4165-62-2	Phenol-d5 (Surr)	40		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	80		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1654.D
Lims ID: LCSD 410-286371/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 16-Aug-2022 16:32:54 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-286371/3-A
Misc. Info.: 410-0064288-005
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 16-Aug-2022 19:29:07 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: P7EB Date: 16-Aug-2022 19:05:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	3.092	3.092	0.000	94	1190789	50.0	25.8	
15 Benzaldehyde	77	3.932	3.932	0.000	94	432200	12.5	8.58	
$ 16 Phenol-d5	99	3.985	3.986	-0.001	97	1234135	50.0	19.8	
17 Phenol	94	4.001	3.996	0.005	98	397068	12.5	6.01	
19 Bis(2-chloroethyl)ether	93	4.092	4.092	0.000	96	527379	12.5	9.82	
20 2-Chlorophenol	128	4.146	4.146	0.000	95	421036	12.5	9.32	
* 24 1,4-Dichlorobenzene-d4	152	4.349	4.349	0.000	95	164040	5.00	5.00	
31 2-Methylphenol	108	4.584	4.585	-0.001	97	407213	12.5	9.27	
32 2,2'-oxybis[1-chloropropane]	45	4.611	4.611	0.000	92	608695	12.5	9.83	
36 4-Methylphenol	108	4.734	4.734	0.000	57	442650	12.5	9.01	
35 Acetophenone	105	4.734	4.734	0.000	80	738027	12.5	9.69	
37 N-Nitrosodi-n-propylamine	70	4.734	4.734	0.000	72	461524	12.5	10.1	
40 Hexachloroethane	117	4.836	4.836	0.000	89	109567	12.5	4.90	
$ 41 Nitrobenzene-d5	82	4.879	4.879	0.000	88	1116314	25.0	17.4	
42 Nitrobenzene	77	4.895	4.900	-0.005	85	646494	12.5	9.42	
46 Isophorone	82	5.125	5.125	0.000	99	1197300	12.5	10.3	
47 2-Nitrophenol	139	5.200	5.200	0.000	93	215019	12.5	10.6	
48 2,4-Dimethylphenol	107	5.242	5.242	0.000	98	501233	12.5	9.41	
51 Bis(2-chloroethoxy)methane	93	5.339	5.339	0.000	98	706717	12.5	10.5	
52 2,4-Dichlorophenol	162	5.429	5.430	-0.001	95	429941	12.5	10.1	
* 55 Naphthalene-d8	136	5.563	5.563	0.000	99	612651	5.00	5.00	
56 Naphthalene	128	5.585	5.585	0.000	99	1212946	12.5	8.65	
57 4-Chloroaniline	127	5.638	5.638	0.000	93	458973	12.5	7.49	
60 Hexachlorobutadiene	225	5.708	5.708	0.000	94	137102	12.5	4.12	
64 Caprolactam	113	5.954	5.959	-0.005	78	34443	12.5	2.19	
66 4-Chloro-3-methylphenol	107	6.103	6.109	-0.006	93	443890	12.5	10.1	
69 2-Methylnaphthalene	142	6.248	6.248	0.000	91	755452	12.5	8.14	
71 Hexachlorocyclopentadiene	237	6.392	6.398	-0.006	94	78940	12.5	2.00	
72 1,2,4,5-Tetrachlorobenzene	216	6.403	6.403	0.000	96	404764	12.5	6.63	
74 2,4,6-Trichlorophenol	196	6.515	6.515	0.000	83	340313	12.5	9.50	
75 2,4,5-Trichlorophenol	196	6.547	6.553	-0.006	93	401694	12.5	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 76 2-Fluorobiphenyl (Surr)	172	6.601	6.601	0.000	99	2116084	25.0	17.4	
79 1,1'-Biphenyl	154	6.692	6.692	0.000	97	1068054	12.5	8.80	
80 2-Chloronaphthalene	162	6.708	6.708	0.000	97	844844	12.5	8.74	
83 2-Nitroaniline	138	6.804	6.810	-0.006	75	277077	12.5	9.94	
86 Dimethyl phthalate	163	6.986	6.986	0.000	97	888204	12.5	7.60	
88 2,6-Dinitrotoluene	165	7.039	7.040	-0.001	90	261408	12.5	10.9	
90 Acenaphthylene	152	7.098	7.104	-0.006	98	1390511	12.5	9.42	
91 3-Nitroaniline	138	7.195	7.195	0.000	89	225521	12.5	9.35	
* 92 Acenaphthene-d10	164	7.232	7.232	0.000	95	397904	5.00	5.00	
93 Acenaphthene	153	7.264	7.264	0.000	97	974241	12.5	9.42	
94 2,4-Dinitrophenol	184	7.296	7.296	0.000	84	280051	25.0	24.3	
96 4-Nitrophenol	109	7.366	7.366	0.000	91	263722	25.0	14.7	
99 2,4-Dinitrotoluene	165	7.419	7.419	0.000	89	359912	12.5	11.2	
100 Dibenzofuran	168	7.430	7.430	0.000	97	1417605	12.5	9.74	
102 2,3,4,6-Tetrachlorophenol	232	7.542	7.548	-0.006	72	351552	12.5	10.3	
104 Diethyl phthalate	149	7.655	7.660	-0.005	97	1075639	12.5	9.52	
105 Fluorene	166	7.751	7.756	-0.005	91	1142366	12.5	9.42	
108 4-Chlorophenyl phenyl ether	204	7.762	7.762	0.000	93	594204	12.5	8.96	
109 4-Nitroaniline	138	7.772	7.778	-0.006	79	264448	12.5	9.05	
110 4,6-Dinitro-2-methylphenol	198	7.799	7.804	-0.005	84	410801	25.0	24.9	
111 N-Nitrosodiphenylamine	169	7.868	7.874	-0.006	98	896568	10.6	9.01	
$ 113 2,4,6-Tribromophenol	330	7.981	7.981	0.000	95	783019	50.0	40.6	
118 4-Bromophenyl phenyl ether	248	8.221	8.222	-0.001	67	378535	12.5	9.81	
120 Hexachlorobenzene	284	8.264	8.270	-0.006	95	416586	12.5	9.66	
122 Atrazine	200	8.382	8.382	0.000	92	372965	12.5	9.38	
123 Pentachlorophenol	266	8.457	8.462	-0.005	93	556022	25.0	22.4	
* 127 Phenanthrene-d10	188	8.639	8.639	0.000	97	835286	5.00	5.00	
129 Phenanthrene	178	8.660	8.666	-0.006	98	1891897	12.5	10.1	
130 Anthracene	178	8.708	8.714	-0.006	98	1874552	12.5	9.85	
131 Carbazole	167	8.863	8.869	-0.006	96	1826042	12.5	10.9	
133 Di-n-butyl phthalate	149	9.211	9.217	-0.005	100	1833380	12.5	9.83	
138 Fluoranthene	202	9.789	9.789	0.000	98	2286034	12.5	10.4	
* 140 Pyrene-d10 (IS)	212	9.981	9.987	-0.006	96	957242	5.00	5.00	
141 Pyrene	202	10.003	9.997	0.000	97	2465614	12.5	10.3	
$ 142 p-Terphenyl-d14	244	10.163	10.163	-0.006	96	3591556	25.0	19.9	
146 Butyl benzyl phthalate	149	10.671	10.666	0.000	95	714738	12.5	8.65	
148 3,3'-Dichlorobenzidine	252	11.238	11.238	-0.006	74	1509425	25.0	17.3	
149 Benzo[a]anthracene	228	11.249	11.248	-0.005	97	2392966	12.5	10.3	
151 Chrysene	228	11.292	11.291	-0.005	96	2360243	12.5	10.3	
152 Bis(2-ethylhexyl) phthalate	149	11.329	11.328	-0.006	97	1137569	12.5	9.39	
154 Di-n-octyl phthalate	149	12.169	12.169	-0.005	99	1717899	12.5	8.10	
155 Benzo[b]fluoranthene	252	12.613	12.613	-0.005	95	2026038	12.5	9.09	
157 Benzo[k]fluoranthene	252	12.650	12.656	-0.011	98	2327437	12.5	10.0	
158 Benzo[a]pyrene	252	13.057	13.057	-0.005	76	1794739	12.5	9.74	
* 159 Perylene-d12	264	13.137	13.142	-0.005	99	807568	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276	14.683	14.688	-0.010	97	1595837	12.5	10.1	
164 Dibenz(a,h)anthracene	278	14.731	14.736	-0.011	92	1847479	12.5	10.5	
165 Benzo[g,h,i]perylene	276	15.111	15.110	-0.005	97	1970310	12.5	10.6	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 16-Aug-2022 19:29:43 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1654.D

Injection Date: 16-Aug-2022 16:32:54 Instrument ID: HP20296 Operator ID: mem41592

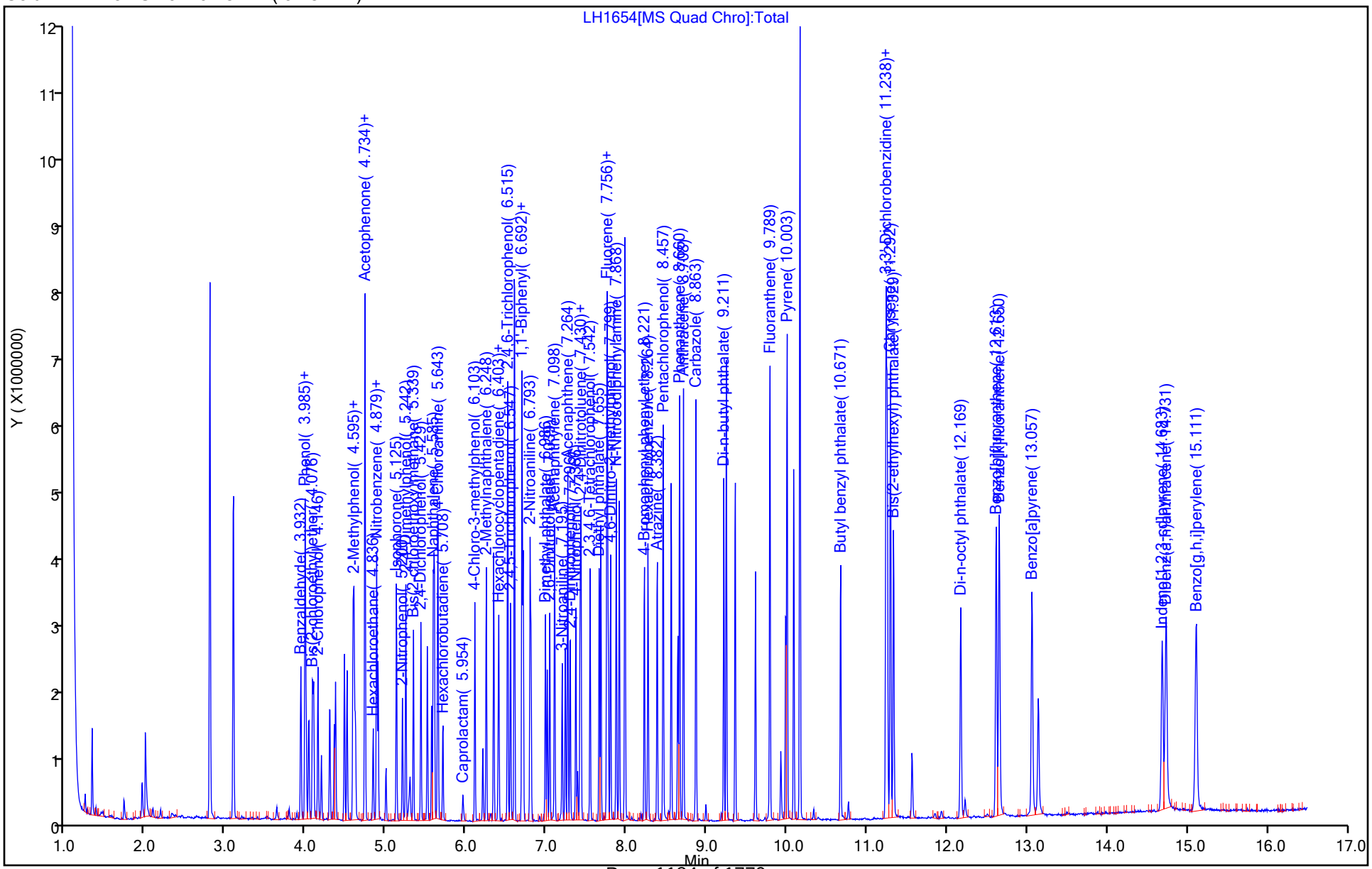
Lims ID: LCSD 410-286371/3-A Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\LH1654.D
Lims ID: LCSD 410-286371/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 16-Aug-2022 16:32:54 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-286371/3-A
Misc. Info.: 410-0064288-005
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220816-64288.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 16-Aug-2022 19:29:07 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: P7EB Date: 16-Aug-2022 19:05:20

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	25.8	51.55
$ 16 Phenol-d5	50.0	19.8	39.59
$ 41 Nitrobenzene-d5	25.0	17.4	69.42
$ 76 2-Fluorobiphenyl (Surr)	25.0	17.4	69.46
$ 113 2,4,6-Tribromophenol	50.0	40.6	81.11
$ 142 p-Terphenyl-d14	25.0	19.9	79.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-287252/3-A

Matrix: Water
Lab File ID: LH1855.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:50

Sample wt/vol: 250(mL)
Date Analyzed: 08/18/2022 17:52

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287356
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	50		10	3
51-28-5	2,4-Dinitrophenol	130		30	10
95-57-8	2-Chlorophenol	42		2	0.5
86-74-8	Carbazole	51		2	0.5
108-95-2	Phenol	26		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	96		10-150
321-60-8	2-Fluorobiphenyl (Surr)	80		44-120
367-12-4	2-Fluorophenol (Surr)	58		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	84		25-125
4165-62-2	Phenol-d5 (Surr)	45		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	102		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1855.D
Lims ID: LCSD 410-287252/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 18-Aug-2022 17:52:08 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-287252/3-A
Misc. Info.: 410-0064445-006
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 18-Aug-2022 16:55:50 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: P7EB Date: 18-Aug-2022 18:53:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 N-Nitrosodimethylamine	74	1.921	1.916	0.005	90	205745	12.5	8.95	
$ 10 2-Fluorophenol	112	3.055	3.059	0.000	93	890403	50.0	28.9	
15 Benzaldehyde	77	3.900	3.895	0.005	93	325818	12.5	9.70	
$ 16 Phenol-d5	99	3.953	3.958	0.000	99	939430	50.0	22.6	
17 Phenol	94	3.964	3.964	0.000	98	291086	12.5	6.61	
19 Bis(2-chloroethyl)ether	93	4.060	4.060	0.000	97	423647	12.5	11.8	
20 2-Chlorophenol	128	4.114	4.109	0.005	95	313457	12.5	10.4	
22 1,3-Dichlorobenzene	146	4.258	4.258	0.000	94	249842	12.5	7.24	
* 24 1,4-Dichlorobenzene-d4	152	4.317	4.312	0.005	96	109295	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.333	4.338	0.000	91	273642	12.5	7.73	
27 Benzyl alcohol	108	4.446	4.446	0.000	89	268288	12.5	12.1	
29 1,2-Dichlorobenzene	146	4.478	4.472	0.006	92	283644	12.5	8.45	
31 2-Methylphenol	108	4.553	4.558	-0.001	96	352860	12.5	12.1	
32 2,2'-oxybis[1-chloropropane]	45	4.579	4.579	0.000	92	393048	12.5	9.53	
36 4-Methylphenol	108	4.702	4.708	0.000	59	372543	12.5	11.4	
35 Acetophenone	105	4.702	4.702	0.000	82	623043	12.5	12.3	
37 N-Nitrosodi-n-propylamine	70	4.702	4.702	0.000	67	368799	12.5	12.1	
40 Hexachloroethane	117	4.799	4.804	0.000	87	90326	12.5	6.06	
$ 41 Nitrobenzene-d5	82	4.847	4.847	0.000	85	894865	25.0	21.1	
42 Nitrobenzene	77	4.863	4.863	0.000	82	537154	12.5	11.9	
46 Isophorone	82	5.093	5.093	0.000	98	986683	12.5	12.9	
47 2-Nitrophenol	139	5.168	5.168	0.000	95	173175	12.5	13.0	
48 2,4-Dimethylphenol	107	5.210	5.210	0.000	99	438479	12.5	12.5	
50 Benzoic acid	105	5.269	5.291	-0.022	88	152102	12.5	10.0	
51 Bis(2-chloroethoxy)methane	93	5.307	5.307	0.000	97	598311	12.5	13.4	
52 2,4-Dichlorophenol	162	5.398	5.398	0.000	96	354062	12.5	12.7	
54 1,2,4-Trichlorobenzene	180	5.478	5.478	0.000	91	311178	12.5	9.23	
* 55 Naphthalene-d8	136	5.531	5.531	0.000	100	403808	5.00	5.00	
56 Naphthalene	128	5.553	5.553	0.000	98	954822	12.5	10.3	
57 4-Chloroaniline	127	5.606	5.606	0.000	94	341160	12.5	8.45	
60 Hexachlorobutadiene	225	5.670	5.676	-0.006	92	126933	12.5	5.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
64 Caprolactam	113	5.932	5.932	0.000	84	33869	12.5	3.26	
66 4-Chloro-3-methylphenol	107	6.077	6.077	0.000	92	389631	12.5	13.5	
69 2-Methylnaphthalene	142	6.216	6.216	0.000	90	635437	12.5	10.4	
70 1-Methylnaphthalene	142	6.307	6.307	0.000	90	632127	12.5	10.9	
71 Hexachlorocyclopentadiene	237	6.366	6.366	0.000	94	84743	12.5	3.01	
72 1,2,4,5-Tetrachlorobenzene	216	6.371	6.371	0.000	95	403262	12.5	9.26	
74 2,4,6-Trichlorophenol	196	6.483	6.483	0.000	85	329403	12.5	12.9	
75 2,4,5-Trichlorophenol	196	6.521	6.521	0.000	93	358935	12.5	12.9	
$ 76 2-Fluorobiphenyl (Surr)	172	6.569	6.569	0.000	99	1741594	25.0	20.0	
79 1,1'-Biphenyl	154	6.660	6.665	-0.005	97	965565	12.5	11.1	
80 2-Chloronaphthalene	162	6.676	6.676	0.000	97	758692	12.5	11.0	
83 2-Nitroaniline	138	6.778	6.778	0.000	74	238594	12.5	12.0	
86 Dimethyl phthalate	163	6.954	6.959	-0.005	97	342158	12.5	4.10	
88 2,6-Dinitrotoluene	165	7.008	7.013	-0.005	91	225543	12.5	13.2	
90 Acenaphthylene	152	7.066	7.072	-0.006	98	1184346	12.5	11.2	
91 3-Nitroaniline	138	7.163	7.168	-0.005	91	176733	12.5	10.3	
* 92 Acenaphthene-d10	164	7.200	7.200	0.000	96	284144	5.00	5.00	
93 Acenaphthene	153	7.232	7.232	0.000	98	841385	12.5	11.4	
94 2,4-Dinitrophenol	184	7.264	7.270	-0.006	84	265766	25.0	31.4	
96 4-Nitrophenol	109	7.334	7.339	-0.005	89	221959	25.0	17.4	
99 2,4-Dinitrotoluene	165	7.387	7.393	-0.006	89	317569	12.5	13.8	
100 Dibenzofuran	168	7.398	7.398	0.000	97	1235546	12.5	11.9	
102 2,3,4,6-Tetrachlorophenol	232	7.510	7.516	-0.006	70	346483	12.5	14.2	
104 Diethyl phthalate	149	7.628	7.633	-0.005	97	680817	12.5	8.44	
105 Fluorene	166	7.724	7.724	0.000	91	1020987	12.5	11.8	
108 4-Chlorophenyl phenyl ether	204	7.730	7.730	0.000	90	584214	12.5	12.3	
109 4-Nitroaniline	138	7.740	7.746	-0.006	79	233021	12.5	11.2	
110 4,6-Dinitro-2-methylphenol	198	7.772	7.772	0.000	89	391711	25.0	31.1	
111 N-Nitrosodiphenylamine	169	7.842	7.842	0.000	99	763876	10.6	10.2	
$ 113 2,4,6-Tribromophenol	330	7.949	7.949	0.000	93	659580	50.0	47.8	
118 4-Bromophenyl phenyl ether	248	8.190	8.195	-0.005	67	350231	12.5	12.1	
120 Hexachlorobenzene	284	8.238	8.238	0.000	95	400521	12.5	12.4	
122 Atrazine	200	8.350	8.355	-0.005	93	362902	12.5	12.2	
123 Pentachlorophenol	266	8.425	8.430	-0.005	93	545242	25.0	29.2	
* 127 Phenanthrene-d10	188	8.607	8.607	0.000	97	626724	5.00	5.00	
129 Phenanthrene	178	8.628	8.634	-0.006	98	1727937	12.5	12.3	
130 Anthracene	178	8.676	8.682	-0.006	98	1729925	12.5	12.1	
131 Carbazole	167	8.837	8.837	0.000	96	1621682	12.5	12.8	
133 Di-n-butyl phthalate	149	9.184	9.184	0.000	100	2098270	12.5	15.0	
138 Fluoranthene	202	9.757	9.762	-0.005	98	2218501	12.5	13.5	
* 140 Pyrene-d10 (IS)	212	9.955	9.955	0.000	96	704582	5.00	5.00	
141 Pyrene	202	9.971	9.976	-0.005	97	2351196	12.5	13.3	
$ 142 p-Terphenyl-d14	244	10.131	10.131	-0.005	97	3384045	25.0	25.5	
146 Butyl benzyl phthalate	149	10.639	10.639	0.000	94	468869	12.5	7.71	
148 3,3'-Dichlorobenzidine	252	11.201	11.206	-0.005	72	1109233	25.0	17.3	
149 Benzo[a]anthracene	228	11.212	11.217	-0.005	98	2336093	12.5	13.7	
151 Chrysene	228	11.254	11.260	-0.006	96	2414106	12.5	14.4	
152 Bis(2-ethylhexyl) phthalate	149	11.297	11.302	-0.005	97	1078581	12.5	12.1	
154 Di-n-octyl phthalate	149	12.132	12.132	0.000	99	1519843	12.5	9.86	
155 Benzo[b]fluoranthene	252	12.565	12.575	-0.010	95	1907585	12.5	12.0	
157 Benzo[k]fluoranthene	252	12.608	12.613	-0.005	98	2289135	12.5	13.8	
158 Benzo[a]pyrene	252	13.009	13.019	-0.010	76	1681440	12.5	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 159 Perylene-d12	264	13.089	13.094	-0.005	98	577288	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276	14.624	14.629	-0.005	98	1247466	12.5	11.0	
164 Dibenz(a,h)anthracene	278	14.672	14.677	-0.005	92	1597633	12.5	12.7	
165 Benzo[g,h,i]perylene	276	15.041	15.052	-0.011	98	1690607	12.5	12.7	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

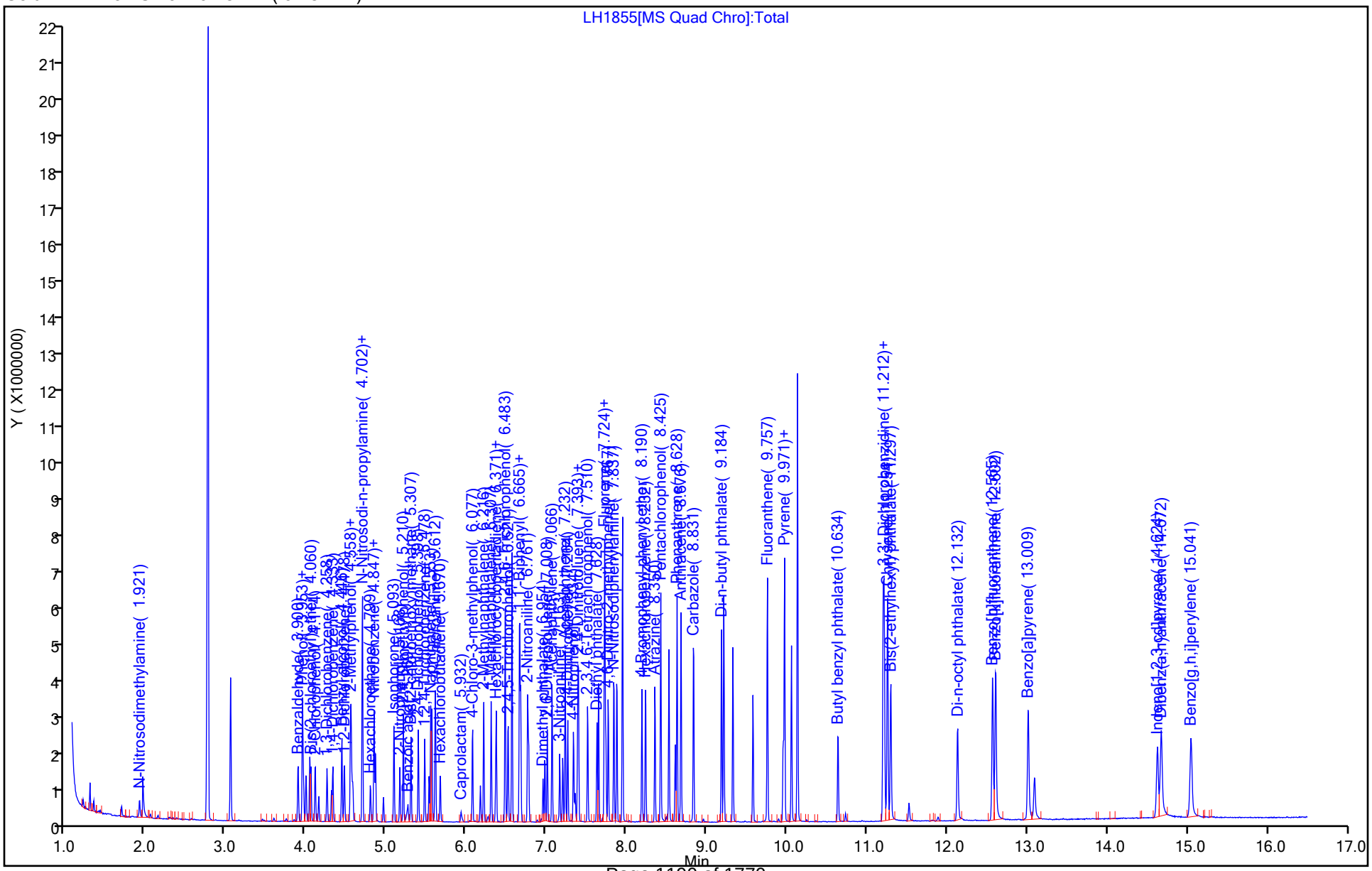
Report Date: 18-Aug-2022 18:59:01 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1855.D

Injection Date:	18-Aug-2022 17:52:08	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	LCSD 410-287252/3-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1855.D
Lims ID: LCSD 410-287252/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 18-Aug-2022 17:52:08 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-287252/3-A
Misc. Info.: 410-0064445-006
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 18-Aug-2022 16:55:50 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: P7EB Date: 18-Aug-2022 18:53:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	28.9	57.85
$ 16 Phenol-d5	50.0	22.6	45.23
$ 41 Nitrobenzene-d5	25.0	21.1	84.43
$ 76 2-Fluorobiphenyl (Surr)	25.0	20.0	80.06
$ 113 2,4,6-Tribromophenol	50.0	47.8	95.68
$ 142 p-Terphenyl-d14	25.0	25.5	101.99

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MS_082022 MS
Lab Sample ID: 410-94417-1 MS

Matrix: Water
Lab File ID: LH1876.D

Analysis Method: 8270D
Date Collected: 08/11/2022 12:05

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:50

Sample wt/vol: 240(mL)
Date Analyzed: 08/19/2022 01:13

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287356
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	52		10	3
51-28-5	2,4-Dinitrophenol	110		30	10
95-57-8	2-Chlorophenol	44		2	0.5
86-74-8	Carbazole	51		2	0.5
108-95-2	Phenol	30		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	95		10-150
321-60-8	2-Fluorobiphenyl (Surr)	78		44-120
367-12-4	2-Fluorophenol (Surr)	60		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	87		25-125
4165-62-2	Phenol-d5 (Surr)	48		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	87		37-120

Report Date: 21-Aug-2022 20:32:11 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1876.D
Lims ID: 410-94417-F-1-A MS
Client ID: FBS010-MS_082022
Sample Type: MS
Inject. Date: 19-Aug-2022 01:13:32 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-F-1-A MS
Misc. Info.: 410-0064445-027
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 21-Aug-2022 20:32:01 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: P7EB Date: 21-Aug-2022 20:31:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	3.060	3.059	0.005	94	1029874	50.0	30.0	
$ 16 Phenol-d5	99	3.953	3.958	0.000	98	1104624	50.0	23.8	
17 Phenol	94	3.969	3.969	0.005	98	350949	12.5	7.15	
20 2-Chlorophenol	128	4.114	4.114	0.005	92	358456	12.5	10.7	
* 24 1,4-Dichlorobenzene-d4	152	4.317	4.312	0.005	97	121860	5.00	5.00	
$ 41 Nitrobenzene-d5	82	4.847	4.847	0.000	85	1103034	25.0	21.7	
48 2,4-Dimethylphenol	107	5.210	5.210	0.000	98	522860	12.5	12.4	
* 55 Naphthalene-d8	136	5.531	5.531	0.000	99	483653	5.00	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.569	6.569	0.000	99	2107900	25.0	19.5	
* 92 Acenaphthene-d10	164	7.200	7.200	0.000	96	353077	5.00	5.00	
94 2,4-Dinitrophenol	184	7.264	7.270	-0.006	83	280199	25.0	27.1	
$ 113 2,4,6-Tribromophenol	330	7.949	7.949	0.000	93	814735	50.0	47.6	
* 127 Phenanthrene-d10	188	8.607	8.607	0.000	97	808798	5.00	5.00	
131 Carbazole	167	8.831	8.837	-0.006	96	1993029	12.5	12.2	
* 140 Pyrene-d10 (IS)	212	9.949	9.955	-0.006	95	933133	5.00	5.00	
$ 142 p-Terphenyl-d14	244	10.131	10.131	-0.005	97	3810062	25.0	21.7	
* 159 Perylene-d12	264	13.089	13.094	-0.005	98	743371	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

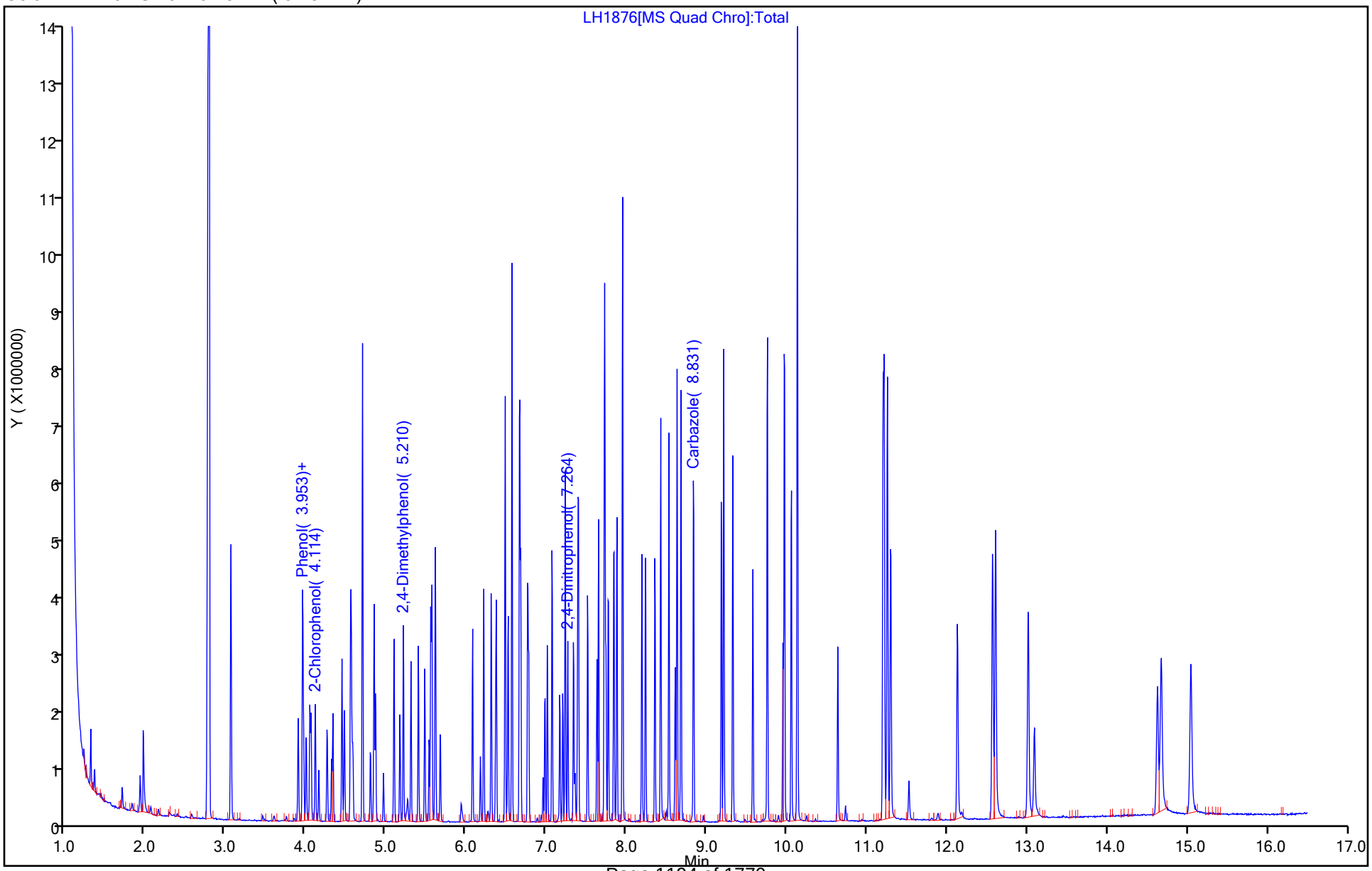
Report Date: 21-Aug-2022 20:32:11 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1876.D

Injection Date:	19-Aug-2022 01:13:32	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-94417-F-1-A MS			Worklist Smp#:	27
Client ID:	FBS010-MS_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1876.D
Lims ID: 410-94417-F-1-A MS
Client ID: FBS010-MS_082022
Sample Type: MS
Inject. Date: 19-Aug-2022 01:13:32 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-F-1-A MS
Misc. Info.: 410-0064445-027
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 21-Aug-2022 20:32:01 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: P7EB Date: 21-Aug-2022 20:31:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	30.0	60.02
$ 16 Phenol-d5	50.0	23.8	47.70
$ 41 Nitrobenzene-d5	25.0	21.7	86.88
$ 76 2-Fluorobiphenyl (Surr)	25.0	19.5	77.98
$ 113 2,4,6-Tribromophenol	50.0	47.6	95.11
$ 142 p-Terphenyl-d14	25.0	21.7	86.70

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MSD_082022 MSD
Lab Sample ID: 410-94417-1 MSD

Matrix: Water
Lab File ID: LH1877.D

Analysis Method: 8270D
Date Collected: 08/11/2022 12:05

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:50

Sample wt/vol: 236.5(mL)
Date Analyzed: 08/19/2022 01:34

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287356
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	53		10	3
51-28-5	2,4-Dinitrophenol	110		30	10
95-57-8	2-Chlorophenol	43		2	0.5
86-74-8	Carbazole	51		2	0.5
108-95-2	Phenol	31		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	90		10-150
321-60-8	2-Fluorobiphenyl (Surr)	79		44-120
367-12-4	2-Fluorophenol (Surr)	60		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	86		25-125
4165-62-2	Phenol-d5 (Surr)	48		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	87		37-120

Report Date: 21-Aug-2022 20:32:13 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1877.D
Lims ID: 410-94417-F-1-B MSD
Client ID: FBS010-MSD_082022
Sample Type: MSD
Inject. Date: 19-Aug-2022 01:34:31 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-F-1-B MSD
Misc. Info.: 410-0064445-028
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 21-Aug-2022 20:32:01 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: P7EB Date: 21-Aug-2022 20:31:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	3.055	3.059	0.000	94	890831	50.0	29.8	
$ 16 Phenol-d5	99	3.953	3.958	0.000	98	977699	50.0	24.2	
17 Phenol	94	3.964	3.969	0.000	97	315656	12.5	7.38	
20 2-Chlorophenol	128	4.114	4.114	0.005	91	298106	12.5	10.2	
* 24 1,4-Dichlorobenzene-d4	152	4.317	4.312	0.005	96	106145	5.00	5.00	
$ 41 Nitrobenzene-d5	82	4.847	4.847	0.000	85	949882	25.0	21.6	
48 2,4-Dimethylphenol	107	5.210	5.210	0.000	98	455666	12.5	12.5	
* 55 Naphthalene-d8	136	5.531	5.531	0.000	99	419233	5.00	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.569	6.569	0.000	99	1834837	25.0	19.7	
* 92 Acenaphthene-d10	164	7.200	7.200	0.000	96	304841	5.00	5.00	
94 2,4-Dinitrophenol	184	7.264	7.270	-0.006	84	232315	25.0	26.1	
$ 113 2,4,6-Tribromophenol	330	7.949	7.949	0.000	93	668888	50.0	45.2	
* 127 Phenanthrene-d10	188	8.607	8.607	0.000	97	706470	5.00	5.00	
131 Carbazole	167	8.831	8.837	-0.006	96	1723254	12.5	12.1	
* 140 Pyrene-d10 (IS)	212	9.949	9.955	-0.006	96	799234	5.00	5.00	
$ 142 p-Terphenyl-d14	244	10.131	10.131	-0.005	97	3264877	25.0	21.7	
* 159 Perylene-d12	264	13.089	13.094	-0.005	99	621694	5.00	5.00	

QC Flag Legend
Processing Flags

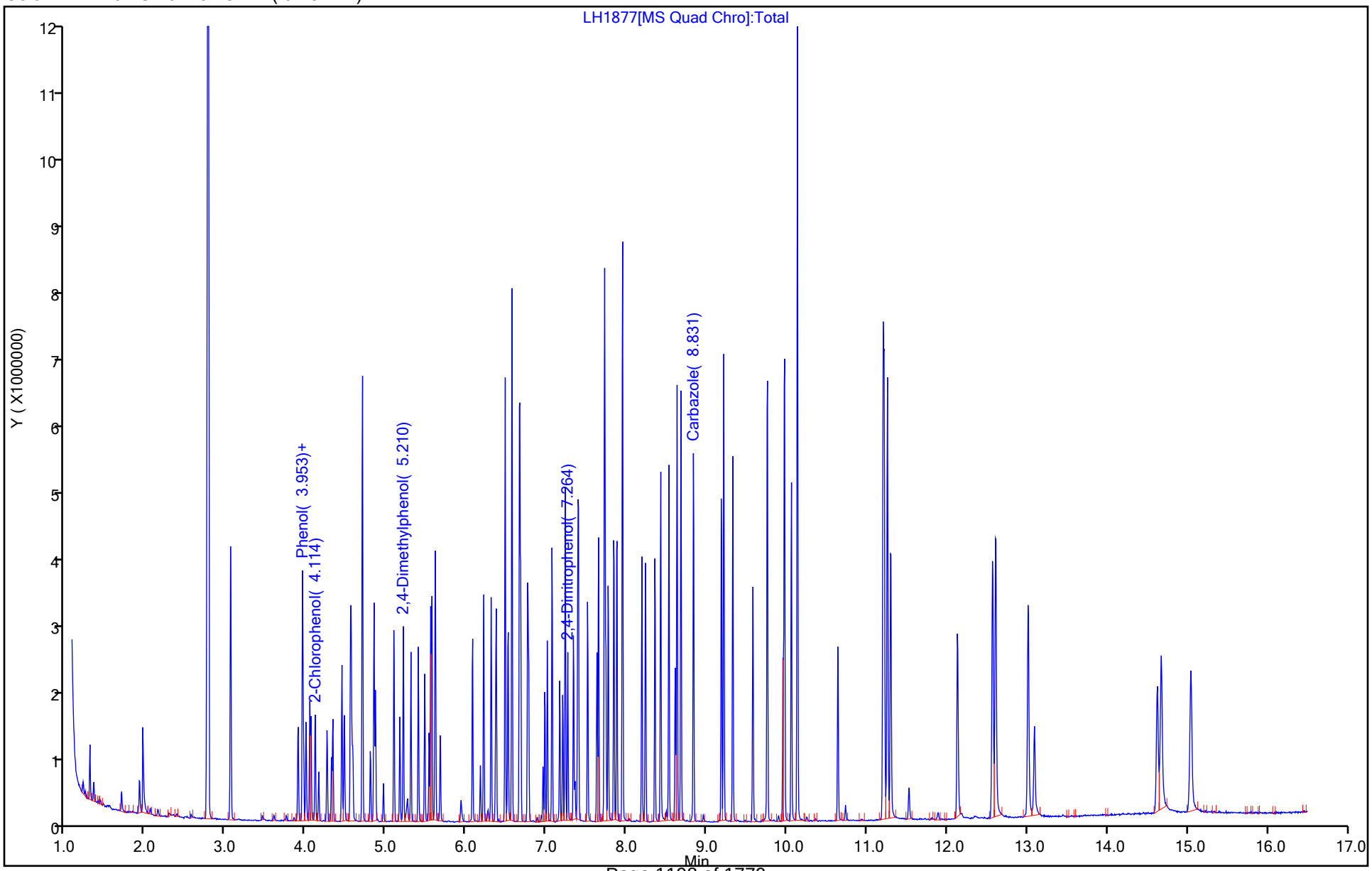
Reagents:
MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 21-Aug-2022 20:32:13 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1877.D				
Injection Date:	19-Aug-2022 01:34:31	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-94417-F-1-B MSD			Worklist Smp#:	28
Client ID:	FBS010-MSD_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\LH1877.D
Lims ID: 410-94417-F-1-B MSD
Client ID: FBS010-MSD_082022
Sample Type: MSD
Inject. Date: 19-Aug-2022 01:34:31 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-F-1-B MSD
Misc. Info.: 410-0064445-028
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220818-64445.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 21-Aug-2022 20:32:01 Calib Date: 04-Aug-2022 18:23:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220804-63444.b\LH0451x.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: P7EB Date: 21-Aug-2022 20:31:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	29.8	59.60
$ 16 Phenol-d5	50.0	24.2	48.47
$ 41 Nitrobenzene-d5	25.0	21.6	86.32
$ 76 2-Fluorobiphenyl (Surr)	25.0	19.7	78.62
$ 113 2,4,6-Tribromophenol	50.0	45.2	90.44
$ 142 p-Terphenyl-d14	25.0	21.7	86.74

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: HP20296 Start Date: 07/22/2022 13:35

Analysis Batch Number: 278565 End Date: 07/22/2022 18:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-278565/1		07/22/2022 13:35	1	LG2210.D	DB-5MS 20m 0.18 0.18(mm)
ICIS 410-278565/2		07/22/2022 13:57	1	LG2211.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-278565/3		07/22/2022 14:18	1	LG2212.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-278565/4		07/22/2022 14:40	1	LG2213.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-278565/5		07/22/2022 15:01	1	LG2214.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-278565/6		07/22/2022 15:23	1	LG2215.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-278565/7		07/22/2022 15:44	1	LG2216.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-278565/8		07/22/2022 16:06	1	LG2217.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-278565/9		07/22/2022 16:27	1	LG2218.D	DB-5MS 20m 0.18 0.18(mm)
ICVL 410-278565/10		07/22/2022 16:48	1		DB-5MS 20m 0.18 0.18(mm)
ICVL 410-278565/11		07/22/2022 17:10	1		DB-5MS 20m 0.18 0.18(mm)
ICV 410-278565/12		07/22/2022 17:31	1	LG2221.D	DB-5MS 20m 0.18 0.18(mm)
ICV 410-278565/13		07/22/2022 17:53	1	LG2222.D	DB-5MS 20m 0.18 0.18(mm)
ICV 410-278565/14		07/22/2022 18:14	1	LG2223.D	DB-5MS 20m 0.18 0.18(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: HP20296 Start Date: 07/25/2022 18:30

Analysis Batch Number: 279302 End Date: 07/26/2022 03:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-279302/1		07/25/2022 18:30	1	LG2550.D	DB-5MS 20m 0.18 0.18(mm)
CCVIS 410-279302/2		07/25/2022 18:52	1		DB-5MS 20m 0.18 0.18(mm)
IC 410-279302/15		07/25/2022 19:28	1		DB-5MS 20m 0.18 0.18(mm)
IC 410-279302/16		07/25/2022 19:50	1		DB-5MS 20m 0.18 0.18(mm)
IC 410-279302/17		07/25/2022 20:11	1		DB-5MS 20m 0.18 0.18(mm)
IC 410-279302/18		07/25/2022 20:32	1		DB-5MS 20m 0.18 0.18(mm)
IC 410-279302/19		07/25/2022 20:53	1		DB-5MS 20m 0.18 0.18(mm)
IC 410-279302/20		07/25/2022 21:14	1		DB-5MS 20m 0.18 0.18(mm)
IC 410-279302/21		07/25/2022 21:36	1		DB-5MS 20m 0.18 0.18(mm)
ICV 410-279302/22		07/25/2022 21:57	1	LG2559.D	DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		07/25/2022 22:39	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		07/25/2022 23:00	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		07/25/2022 23:21	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		07/25/2022 23:42	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		07/26/2022 00:04	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		07/26/2022 00:25	1		DB-5MS 20m 0.18 0.18(mm)
CCVC 410-279302/34		07/26/2022 02:11	1		DB-5MS 20m 0.18 0.18(mm)
CCVC 410-279302/35		07/26/2022 02:32	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		07/26/2022 02:53	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		07/26/2022 03:14	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		07/26/2022 03:35	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		07/26/2022 03:56	1		DB-5MS 20m 0.18 0.18(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: HP20296 Start Date: 08/16/2022 14:48

Analysis Batch Number: 286564 End Date: 08/16/2022 23:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-286564/1		08/16/2022 14:48	1	LH1650.D	DB-5MS 20m 0.18 0.18(mm)
CCVIS 410-286564/2		08/16/2022 15:05	1	LH1651.D	DB-5MS 20m 0.18 0.18(mm)
MB 410-286371/1-A		08/16/2022 15:51	1	LH1652.D	DB-5MS 20m 0.18 0.18(mm)
LCS 410-286371/2-A		08/16/2022 16:12	1	LH1653.D	DB-5MS 20m 0.18 0.18(mm)
LCSD 410-286371/3-A		08/16/2022 16:32	1	LH1654.D	DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		08/16/2022 16:53	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		08/16/2022 17:14	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		08/16/2022 17:35	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		08/16/2022 20:44	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		08/16/2022 21:06	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		08/16/2022 21:26	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		08/16/2022 21:47	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		08/16/2022 22:08	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		08/16/2022 22:29	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		08/16/2022 22:50	1		DB-5MS 20m 0.18 0.18(mm)
410-94417-4	FB-01_082022	08/16/2022 23:11	1	LH1673.D	DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		08/16/2022 23:32	1		DB-5MS 20m 0.18 0.18(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: HP20296 Start Date: 08/18/2022 15:49

Analysis Batch Number: 287356 End Date: 08/19/2022 02:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-287356/1		08/18/2022 15:49	1	LH1850a.D	DB-5MS 20m 0.18 0.18(mm)
CCVIS 410-287356/2		08/18/2022 16:08	1	LH1851.D	DB-5MS 20m 0.18 0.18(mm)
CCV 410-287356/3		08/18/2022 16:42	1		DB-5MS 20m 0.18 0.18(mm)
MB 410-287252/1-A		08/18/2022 17:10	1	LH1853.D	DB-5MS 20m 0.18 0.18(mm)
LCS 410-287252/2-A		08/18/2022 17:31	1	LH1854.D	DB-5MS 20m 0.18 0.18(mm)
LCSD 410-287252/3-A		08/18/2022 17:52	1	LH1855.D	DB-5MS 20m 0.18 0.18(mm)
410-94417-1	FBS010_082022	08/19/2022 00:52	1	LH1875.D	DB-5MS 20m 0.18 0.18(mm)
410-94417-1 MS	FBS010-MS_082022 MS	08/19/2022 01:13	1	LH1876.D	DB-5MS 20m 0.18 0.18(mm)
410-94417-1 MSD	FBS010-MSD_082022 MSD	08/19/2022 01:34	1	LH1877.D	DB-5MS 20m 0.18 0.18(mm)
410-94417-2	FBW001_082022	08/19/2022 01:55	1	LH1878.D	DB-5MS 20m 0.18 0.18(mm)
410-94417-3	DUP-01_082022	08/19/2022 02:16	1	LH1879.D	DB-5MS 20m 0.18 0.18(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 278565 Batch Start Date: 07/22/22 13:35 Batch Analyst: McGowan, Madison

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	MSS_RV8270_1 00024	MSS_RV8270_2 00023	MSS_RV8270_3 00022	MSS_RV8270_4 00022
DFTPP 410-278565/1		8270D			Perform Calculation left blank				
ICIS 410-278565/2		8270D			Perform Calculation left blank				
IC 410-278565/3		8270D			Perform Calculation left blank				
IC 410-278565/4		8270D			Perform Calculation left blank	1 mL			
IC 410-278565/5		8270D			Perform Calculation left blank		1 mL		
IC 410-278565/6		8270D			Perform Calculation left blank				
IC 410-278565/7		8270D			Perform Calculation left blank				
IC 410-278565/8		8270D			Perform Calculation left blank				1 mL
IC 410-278565/9		8270D			Perform Calculation left blank			1 mL	
ICV 410-278565/12		8270D		1.0 mL	Perform Calculation left blank				
ICV 410-278565/13		8270D			Perform Calculation left blank				
ICV 410-278565/14		8270D			Perform Calculation left blank				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RV8270_5 00031	MSS_RV8270_6 00031	MSS_RV8270_7 00024	MSS_RV8270_8 00025	MSS_RV8270ICV 00016	MSS_RVBAS_ICV 00010
DFTPP 410-278565/1		8270D							

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 278565 Batch Start Date: 07/22/22 13:35 Batch Analyst: McGowan, Madison

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RV8270_5 00031	MSS_RV8270_6 00031	MSS_RV8270_7 00024	MSS_RV8270_8 00025	MSS_RV8270ICV 00016	MSS_RVBAS_ICV 00010
ICIS 410-278565/2		8270D			1 mL				
IC 410-278565/3		8270D					1 mL		
IC 410-278565/4		8270D							
IC 410-278565/5		8270D							
IC 410-278565/6		8270D				1 mL			
IC 410-278565/7		8270D		1 mL					
IC 410-278565/8		8270D							
IC 410-278565/9		8270D							
ICV 410-278565/12		8270D						1 mL	
ICV 410-278565/13		8270D							1 mL
ICV 410-278565/14		8270D							

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVDFTPP 00011	MSS_rvICV_HCP 00002				
DFTPP 410-278565/1		8270D		1 mL					
ICIS 410-278565/2		8270D							
IC 410-278565/3		8270D							
IC 410-278565/4		8270D							
IC 410-278565/5		8270D							
IC 410-278565/6		8270D							
IC 410-278565/7		8270D							
IC 410-278565/8		8270D							
IC 410-278565/9		8270D							
ICV 410-278565/12		8270D							
ICV 410-278565/13		8270D							
ICV 410-278565/14		8270D			1 mL				

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 278565 Batch Start Date: 07/22/22 13:35 Batch Analyst: McGowan, Madison

Batch Method: 8270D 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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 279302 Batch Start Date: 07/25/22 18:30 Batch Analyst: Bauer, Anthony

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	MS_rvBACIDICV 00002	MSS_RVDFTPP 00011			
DFTPP 410-279302/1		8270D		Perform Calculation left blank		1 mL			
ICV 410-279302/22		8270D		Perform Calculation left blank	1 mL				

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 286371 Batch Start Date: 08/16/22 09:10 Batch Analyst: Carrick, Adam

Batch Method: 3510C Batch End Date: 08/16/22 13:42

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	DensityAcc	InitialAmount	FinalAmount	ReceivedpH
MB 410-286371/1		3510C, 8270D				n/a	250 mL	1 mL	n/a SU
LCS 410-286371/2		3510C, 8270D				n/a	250 mL	1 mL	n/a SU
LCSD 410-286371/3		3510C, 8270D				n/a	250 mL	1 mL	n/a SU
410-94417-G-4	FB-01_082022	3510C, 8270D	T	355.00 g	166.35 g	n/a	188.7 mL	1 mL	n/a SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	FirstAdjustpH	SecondAdjustpH	CUPerformed	OP_MINIBNA_SS 00066	OP_MINLCS1_MS 00125	OP_MINLCS2_MS 00073
MB 410-286371/1		3510C, 8270D		>11 SU	<2 SU	n	1 mL		
LCS 410-286371/2		3510C, 8270D		>11 SU	<2 SU	n	1 mL	1 mL	1 mL
LCSD 410-286371/3		3510C, 8270D		>11 SU	<2 SU	n	1 mL	1 mL	1 mL
410-94417-G-4	FB-01_082022	3510C, 8270D	T	>11 SU	<2 SU	n	1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 410-286371/1		3510C, 8270D		tap H20					
LCS 410-286371/2		3510C, 8270D		tap H20					
LCSD 410-286371/3		3510C, 8270D		tap H20					
410-94417-G-4	FB-01_082022	3510C, 8270D	T	clear					

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 286371 Batch Start Date: 08/16/22 09:10 Batch Analyst: Carrick, Adam

Batch Method: 3510C Batch End Date: 08/16/22 13:42

Batch Notes	
Balance ID	25996
Analyst ID - Extraction	AGC40572
Analyst ID - Spike Analyst	AGC40572
Acid Used for pH Adjustment ID	H2SO4:217904
Base Used to Adjust pH ID	NaOH:4103D49
Prep Solvent ID	MeCl2:223595
Prep Solvent Volume Used	90 mL
Na2SO4 ID	22224A
Analyst ID - Concentration	AGC40572
Equipment ID - Concentration 1	RapidVap#3,1,2,4
Concentration 1 Corrected Temperature	80 Degrees C
Batch Comment	split with batch 286366

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 287252 Batch Start Date: 08/18/22 09:50 Batch Analyst: Gibson, Cara

Batch Method: 3510C Batch End Date: 08/18/22 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	DensityAcc	InitialAmount	FinalAmount	ReceivedpH
MB 410-287252/1		3510C, 8270D				N/A	250 mL	1 mL	N/A SU
LCS 410-287252/2		3510C, 8270D				N/A	250 mL	1 mL	N/A SU
LCSD 410-287252/3		3510C, 8270D				N/A	250 mL	1 mL	N/A SU
410-94417-F-1 MS	FBS010-MS_082022	3510C, 8270D	T	406.39 g	166.43 g	N/A	240 mL	1 mL	N/A SU
410-94417-F-1 MSD	FBS010-MSD_082022	3510C, 8270D	T	402.82 g	166.31 g	N/A	236.5 mL	1 mL	N/A SU
410-94417-G-1	FBS010_082022	3510C, 8270D	T	406.89 g	165.95 g	N/A	240.9 mL	1 mL	N/A SU
410-94417-G-2	FBW001_082022	3510C, 8270D	T	413.27 g	166.68 g	N/A	246.6 mL	1 mL	N/A SU
410-94417-G-3	DUP-01_082022	3510C, 8270D	T	407.68 g	166.74 g	N/A	240.9 mL	1 mL	N/A SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	FirstAdjustpH	SecondAdjustpH	CUPerformed	OP_MINIBNA_SS 00066	OP_MINLCS1_MS 00126	OP_MINLCS2_MS 00073
MB 410-287252/1		3510C, 8270D		>11 SU	<2 SU	N/A	1 mL		
LCS 410-287252/2		3510C, 8270D		>11 SU	<2 SU	N/A	1 mL	1 mL	1 mL
LCSD 410-287252/3		3510C, 8270D		>11 SU	<2 SU	N/A	1 mL	1 mL	1 mL
410-94417-F-1 MS	FBS010-MS_082022	3510C, 8270D	T	>11 SU	<2 SU	N/A	1 mL	1 mL	1 mL
410-94417-F-1 MSD	FBS010-MSD_082022	3510C, 8270D	T	>11 SU	<2 SU	N/A	1 mL	1 mL	1 mL
410-94417-G-1	FBS010_082022	3510C, 8270D	T	>11 SU	<2 SU	N/A	1 mL		
410-94417-G-2	FBW001_082022	3510C, 8270D	T	>11 SU	<2 SU	N/A	1 mL		
410-94417-G-3	DUP-01_082022	3510C, 8270D	T	>11 SU	<2 SU	N/A	1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 410-287252/1		3510C, 8270D		Tap Water					
LCS 410-287252/2		3510C, 8270D		Tap Water					
LCSD 410-287252/3		3510C, 8270D		Tap Water					
410-94417-F-1 MS	FBS010-MS_082022	3510C, 8270D	T	Clear					

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 287252 Batch Start Date: 08/18/22 09:50 Batch Analyst: Gibson, Cara

Batch Method: 3510C Batch End Date: 08/18/22 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
410-94417-F-1 MSD	FBS010-MSD_082022	3510C, 8270D	T	Clear					
410-94417-G-1	FBS010_082022	3510C, 8270D	T	Clear					
410-94417-G-2	FBW001_082022	3510C, 8270D	T	Clear					
410-94417-G-3	DUP-01_082022	3510C, 8270D	T	Clear					

Batch Notes	
Balance ID	25996
Pipette/Syringe/Dispenser ID	3
Analyst ID - Extraction	CNG41579
Analyst ID - Spike Analyst	CNG41579
Acid Used for pH Adjustment ID	H2SO4: 217904
Base Used to Adjust pH ID	NaOH: 4103D49
Prep Solvent ID	MeCl2: 223595
Prep Solvent Volume Used	90 mL
Na2SO4 ID	22227A
Analyst ID - Concentration	CNG41579
Equipment ID - Concentration 1	Rapid Vap # 1, 2, 3, 4
Concentration 1 Corrected Temperature	80 Degrees C
Batch Comment	Split with batch 287248

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.

Method 8270D SIM

Semivolatile Organic Compounds (GC/MS SIM) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 30m ID: 0.25(mm)

Client Sample ID	Lab Sample ID	MNPd10 #	FLN10 #	BAPd12 #
FBS010_082022	410-94417-1	61	76	72
FBS010_082022 RA	410-94417-1 RA	61	70	72
FBS010_082022 RE	410-94417-1 RE	74	82	77
FBW001_082022	410-94417-2	57	74	70
FBW001_082022 RA	410-94417-2 RA	59	68	71
FBW001_082022 RE	410-94417-2 RE	74	82	78
DUP-01_082022	410-94417-3	57	79	68
DUP-01_082022 RA	410-94417-3 RA	59	73	69
DUP-01_082022 RE	410-94417-3 RE	77	86	85
FB-01_082022	410-94417-4	62	76	76
FB-01_082022 RA	410-94417-4 RA	67	73	74
	MB 410-286366/1-A	66	79	80
	MB 410-286366/1-A RA	73	78	85
	MB 410-287248/1-A	60	72	72
	MB 410-287248/1-A	63	65	75
	MB 410-288127/1-A	74	84	87
	LCS 410-286366/2-A	67	80	86
	LCS 410-287248/2-A	62	77	82
	LCS 410-287248/2-A	64	73	83
	LCS 410-288127/2-A	68	83	87
	LCSD 410-286366/3-A	67	80	88
	LCSD 410-287248/3-A	59	70	75
	LCSD 410-287248/3-A	60	68	74
	LCSD 410-288127/3-A	71	82	88
FBS010-MS_082022 MS	410-94417-1 MS	65	81	84
FBS010-MS_082022 MS RA	410-94417-1 MS RA	65	75	80
FBS010-MS_082022 MS RE	410-94417-1 MS RE	69	81	78

	QC LIMITS
MNPd10 = 1-Methylnaphthalene-d10 (Surr)	36-111
FLN10 = Fluoranthene-d10 (Surr)	47-128
BAPd12 = Benzo(a)pyrene-d12 (Surr)	10-110

Column to be used to flag recovery values

FORM II 8270D SIM

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 30m ID: 0.25(mm)

Client Sample ID	Lab Sample ID	MNPd10 #	FLN10 #	BAPd12 #
FBS010-MSD_082022 MSD	410-94417-1 MSD	67	83	80
FBS010-MSD_082022 MSD RA	410-94417-1 MSD RA	67	77	78
FBS010-MSD_082022 MSD RE	410-94417-1 MSD RE	71	81	79

	QC LIMITS
MNPd10 = 1-Methylnaphthalene-d10 (Surr)	36-111
FLN10 = Fluoranthene-d10 (Surr)	47-128
BAPd12 = Benzo(a)pyrene-d12 (Surr)	10-110

Column to be used to flag recovery values

FORM II 8270D SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MH1256.D

Lab ID: LCS 410-286366/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.00	0.531	53	23-120	
1-Methylnaphthalene	1.00	0.605	61	23-124	
2-Methylnaphthalene	1.00	0.568	57	20-133	
Acenaphthene	1.00	0.804	80	42-120	
Acenaphthylene	1.00	0.716	72	49-120	
Anthracene	1.00	0.813	81	54-121	
Benzo[a]anthracene	1.00	0.825	83	61-122	
Benzo[a]pyrene	1.00	0.817	82	60-120	
Benzo[b]fluoranthene	1.00	0.792	79	58-122	
Benzo[g,h,i]perylene	1.00	0.851	85	50-120	
Benzo[k]fluoranthene	1.00	0.893	89	57-128	
Bis(2-chloroethyl)ether	1.00	0.862	86	59-130	
Bis(2-ethylhexyl) phthalate	1.00	1.27	127	14-155	
Butylbenzylphthalate	1.00	0.992 J	99	10-120	
Chrysene	1.00	0.825	83	55-123	
Dibenz(a,h)anthracene	1.00	0.847	85	50-121	
Dibenzofuran	1.00	0.811	81	48-124	
Diethylphthalate	1.00	0.879 J	88	38-120	
Dimethylphthalate	1.00	0.748 J	75	10-121	
Di-n-butyl phthalate	1.00	0.980 J	98	46-125	
Di-n-octyl phthalate	1.00	0.862 J	86	22-130	
Fluoranthene	1.00	0.835	83	61-123	
Fluorene	1.00	0.783	78	55-120	
Hexachlorobenzene	1.00	0.750	75	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.852	85	47-143	
Naphthalene	1.00	0.585	59	20-120	
N-Nitrosodimethylamine	1.00	0.665	67	37-120	
Phenanthrene	1.00	0.850	85	59-120	
Pyrene	1.00	0.802	80	46-122	

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MH1406.D

Lab ID: LCS 410-287248/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.00	0.429	43	23-120	
1-Methylnaphthalene	1.00	0.607	61	23-124	
2-Methylnaphthalene	1.00	0.583	58	20-133	
Acenaphthene	1.00	0.814	81	42-120	
Acenaphthylene	1.00	0.693	69	49-120	
Anthracene	1.00	0.788	79	54-121	
Benzo[a]anthracene	1.00	0.820	82	61-122	
Benzo[a]pyrene	1.00	0.798	80	60-120	
Benzo[b]fluoranthene	1.00	0.785	78	58-122	
Benzo[g,h,i]perylene	1.00	0.717	72	50-120	
Benzo[k]fluoranthene	1.00	0.868	87	57-128	
Bis(2-chloroethyl)ether	1.00	0.809	81	59-130	
Butylbenzylphthalate	1.00	0.731 J	73	10-120	
Chrysene	1.00	0.809	81	55-123	
Dibenz(a,h)anthracene	1.00	0.723	72	50-121	
Dibenzofuran	1.00	0.785	78	48-124	
Diethylphthalate	1.00	0.692 J	69	38-120	
Dimethylphthalate	1.00	0.377 J	38	10-121	
Di-n-octyl phthalate	1.00	1.04	104	22-130	
Fluoranthene	1.00	0.821	82	61-123	
Fluorene	1.00	0.759	76	55-120	
Hexachlorobenzene	1.00	0.796	80	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.730	73	47-143	
Naphthalene	1.00	0.613	61	20-120	
N-Nitrosodimethylamine	1.00	0.641	64	37-120	
Phenanthrene	1.00	0.803	80	59-120	
Pyrene	1.00	0.786	79	46-122	

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NH1303.D

Lab ID: LCS 410-287248/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	1.00	1.69	169	14-155	*+
Di-n-butyl phthalate	1.00	15.7	1570	46-125	*+

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MH1503.D

Lab ID: LCS 410-288127/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.00	0.525	52	23-120	
1-Methylnaphthalene	1.00	0.624	62	23-124	
2-Methylnaphthalene	1.00	0.585	59	20-133	
Acenaphthene	1.00	0.742	74	42-120	
Acenaphthylene	1.00	0.747	75	49-120	
Anthracene	1.00	0.844	84	54-121	
Benzo[a]anthracene	1.00	0.857	86	61-122	
Benzo[a]pyrene	1.00	0.843	84	60-120	
Benzo[b]fluoranthene	1.00	0.826	83	58-122	
Benzo[g,h,i]perylene	1.00	0.916	92	50-120	
Benzo[k]fluoranthene	1.00	0.862	86	57-128	
Bis(2-chloroethyl)ether	1.00	0.837	84	59-130	
Bis(2-ethylhexyl) phthalate	1.00	1.71	171	14-155	*+
Butylbenzylphthalate	1.00	1.12	112	10-120	
Chrysene	1.00	0.844	84	55-123	
Dibenz(a,h)anthracene	1.00	0.921	92	50-121	
Dibenzofuran	1.00	0.845	84	48-124	
Diethylphthalate	1.00	0.964 J	96	38-120	
Dimethylphthalate	1.00	0.815 J	82	10-121	
Di-n-butyl phthalate	1.00	0.954 J	95	46-125	
Di-n-octyl phthalate	1.00	0.900 J	90	22-130	
Fluoranthene	1.00	0.872	87	61-123	
Fluorene	1.00	0.806	81	55-120	
Hexachlorobenzene	1.00	0.809	81	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.930	93	47-143	
Naphthalene	1.00	0.617	62	20-120	
N-Nitrosodimethylamine	1.00	0.614	61	37-120	
Phenanthrene	1.00	0.862	86	59-120	
Pyrene	1.00	0.781	78	46-122	

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MH1257.D

Lab ID: LCSD 410-286366/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.00	0.508	51	5	30	23-120	
1-Methylnaphthalene	1.00	0.648	65	7	30	23-124	
2-Methylnaphthalene	1.00	0.609	61	7	30	20-133	
Acenaphthene	1.00	0.830	83	3	30	42-120	
Acenaphthylene	1.00	0.730	73	2	30	49-120	
Anthracene	1.00	0.819	82	1	30	54-121	
Benzo[a]anthracene	1.00	0.849	85	3	30	61-122	
Benzo[a]pyrene	1.00	0.834	83	2	30	60-120	
Benzo[b]fluoranthene	1.00	0.815	82	3	30	58-122	
Benzo[g,h,i]perylene	1.00	0.867	87	2	30	50-120	
Benzo[k]fluoranthene	1.00	0.900	90	1	30	57-128	
Bis(2-chloroethyl)ether	1.00	0.859	86	0	30	59-130	
Bis(2-ethylhexyl) phthalate	1.00	1.23	123	3	30	14-155	
Butylbenzylphthalate	1.00	0.998 J	100	1	30	10-120	
Chrysene	1.00	0.852	85	3	30	55-123	
Dibenz(a,h)anthracene	1.00	0.861	86	2	30	50-121	
Dibenzofuran	1.00	0.834	83	3	30	48-124	
Diethylphthalate	1.00	0.879 J	88	0	30	38-120	
Dimethylphthalate	1.00	0.772 J	77	3	30	10-121	
Di-n-butyl phthalate	1.00	0.911 J	91	7	30	46-125	
Di-n-octyl phthalate	1.00	0.842 J	84	2	30	22-130	
Fluoranthene	1.00	0.826	83	1	30	61-123	
Fluorene	1.00	0.802	80	2	30	55-120	
Hexachlorobenzene	1.00	0.836	84	11	30	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.867	87	2	30	47-143	
Naphthalene	1.00	0.641	64	9	30	20-120	
N-Nitrosodimethylamine	1.00	0.681	68	2	30	37-120	
Phenanthrene	1.00	0.857	86	1	30	59-120	
Pyrene	1.00	0.818	82	2	30	46-122	

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MH1407.D

Lab ID: LCSD 410-287248/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.00	0.429	43	0	30	23-120	
1-Methylnaphthalene	1.00	0.566	57	7	30	23-124	
2-Methylnaphthalene	1.00	0.547	55	6	30	20-133	
Acenaphthene	1.00	0.738	74	10	30	42-120	
Acenaphthylene	1.00	0.625	62	10	30	49-120	
Anthracene	1.00	0.711	71	10	30	54-121	
Benzo[a]anthracene	1.00	0.741	74	10	30	61-122	
Benzo[a]pyrene	1.00	0.722	72	10	30	60-120	
Benzo[b]fluoranthene	1.00	0.718	72	9	30	58-122	
Benzo[g,h,i]perylene	1.00	0.663	66	8	30	50-120	
Benzo[k]fluoranthene	1.00	0.796	80	9	30	57-128	
Bis(2-chloroethyl)ether	1.00	0.757	76	7	30	59-130	
Butylbenzylphthalate	1.00	0.669 J	67	9	30	10-120	
Chrysene	1.00	0.743	74	8	30	55-123	
Dibenz(a,h)anthracene	1.00	0.657	66	10	30	50-121	
Dibenzofuran	1.00	0.710	71	10	30	48-124	
Diethylphthalate	1.00	0.609 J	61	13	30	38-120	
Dimethylphthalate	1.00	0.327 J	33	14	30	10-121	
Di-n-octyl phthalate	1.00	0.853 J	85	20	30	22-130	
Fluoranthene	1.00	0.746	75	10	30	61-123	
Fluorene	1.00	0.684	68	10	30	55-120	
Hexachlorobenzene	1.00	0.731	73	8	30	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.664	66	9	30	47-143	
Naphthalene	1.00	0.567	57	8	30	20-120	
N-Nitrosodimethylamine	1.00	0.620	62	3	30	37-120	
Phenanthrene	1.00	0.732	73	9	30	59-120	
Pyrene	1.00	0.714	71	10	30	46-122	

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NH1304.D

Lab ID: LCSD 410-287248/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	1.00	1.38	138	20	30	14-155	
Di-n-butyl phthalate	1.00	13.8	1380	13	30	46-125	*+

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MH1504.D

Lab ID: LCSD 410-288127/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.00	0.500	50	5	30	23-120	
1-Methylnaphthalene	1.00	0.666	67	6	30	23-124	
2-Methylnaphthalene	1.00	0.632	63	8	30	20-133	
Acenaphthene	1.00	0.786	79	6	30	42-120	
Acenaphthylene	1.00	0.779	78	4	30	49-120	
Anthracene	1.00	0.875	88	4	30	54-121	
Benzo[a]anthracene	1.00	0.876	88	2	30	61-122	
Benzo[a]pyrene	1.00	0.864	86	2	30	60-120	
Benzo[b]fluoranthene	1.00	0.826	83	0	30	58-122	
Benzo[g,h,i]perylene	1.00	0.946	95	3	30	50-120	
Benzo[k]fluoranthene	1.00	0.896	90	4	30	57-128	
Bis(2-chloroethyl)ether	1.00	0.883	88	5	30	59-130	
Bis(2-ethylhexyl) phthalate	1.00	1.72	172	1	30	14-155	*+
Butylbenzylphthalate	1.00	1.02	102	10	30	10-120	
Chrysene	1.00	0.856	86	1	30	55-123	
Dibenz(a,h)anthracene	1.00	0.952	95	3	30	50-121	
Dibenzofuran	1.00	0.879	88	4	30	48-124	
Diethylphthalate	1.00	0.873 J	87	10	30	38-120	
Dimethylphthalate	1.00	0.734 J	73	10	30	10-121	
Di-n-butyl phthalate	1.00	0.910 J	91	5	30	46-125	
Di-n-octyl phthalate	1.00	0.929 J	93	3	30	22-130	
Fluoranthene	1.00	0.876	88	0	30	61-123	
Fluorene	1.00	0.841	84	4	30	55-120	
Hexachlorobenzene	1.00	0.854	85	5	30	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.949	95	2	30	47-143	
Naphthalene	1.00	0.658	66	6	30	20-120	
N-Nitrosodimethylamine	1.00	0.642	64	5	30	37-120	
Phenanthrene	1.00	0.873	87	1	30	59-120	
Pyrene	1.00	0.817	82	4	30	46-122	

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MH1424.D

Lab ID: 410-94417-1 MS Client ID: FBS010-MS_082022 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,4-Dioxane	1.06	ND	0.458	43	23-120	
1-Methylnaphthalene	1.06	ND	0.681	64	23-124	
2-Methylnaphthalene	1.06	ND	0.652	61	20-133	
Acenaphthene	1.06	ND	0.873	82	42-120	
Acenaphthylene	1.06	ND	0.774	73	49-120	
Anthracene	1.06	ND	0.877	82	54-121	
Benzo[a]anthracene	1.06	ND	0.901	85	61-122	
Benzo[a]pyrene	1.06	ND	0.849	80	60-120	
Benzo[b]fluoranthene	1.06	ND	0.835	79	58-122	
Benzo[g,h,i]perylene	1.06	ND	0.721	68	50-120	
Benzo[k]fluoranthene	1.06	ND	0.910	86	57-128	
Bis(2-chloroethyl)ether	1.06	ND	0.909	85	59-130	
Butylbenzylphthalate	1.06	ND	0.749 J	70	10-120	
Chrysene	1.06	ND	0.856	80	55-123	
Dibenz(a,h)anthracene	1.06	ND	0.739	69	50-121	
Dibenzofuran	1.06	ND	0.848	80	48-124	
Diethylphthalate	1.06	ND	0.711 J	67	38-120	
Dimethylphthalate	1.06	ND	0.324 J	30	10-121	
Di-n-octyl phthalate	1.06	ND	1.08 J	101	22-130	
Fluoranthene	1.06	ND	0.922	87	61-123	
Fluorene	1.06	ND	0.832	78	55-120	
Hexachlorobenzene	1.06	ND	0.875	82	20-120	
Indeno[1,2,3-cd]pyrene	1.06	ND	0.751	71	47-143	
Naphthalene	1.06	ND	0.678	64	20-120	
N-Nitrosodimethylamine	1.06	ND	0.708	67	37-120	
Phenanthrene	1.06	ND	0.886	83	59-120	
Pyrene	1.06	ND	0.846	79	46-122	

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NH1306.D

Lab ID: 410-94417-1 MS RA Client ID: FBS010-MS_082022 MS RA

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	1.06	0.64 J	1.83	111	14-155	
Di-n-butyl phthalate	1.06	16	18.2	190	46-125	4

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MH1506.D

Lab ID: 410-94417-1 MS RE Client ID: FBS010-MS_082022 MS RE

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,4-Dioxane	1.08	ND	0.508	47	23-120	H
1-Methylnaphthalene	1.08	ND	0.713	66	23-124	H
2-Methylnaphthalene	1.08	ND	0.681	63	20-133	H
Acenaphthene	1.08	ND	0.844	78	42-120	H
Acenaphthylene	1.08	ND	0.825	76	49-120	H
Anthracene	1.08	ND	0.932	86	54-121	H
Benzo[a]anthracene	1.08	ND	0.916	85	61-122	H
Benzo[a]pyrene	1.08	ND	0.836	77	60-120	H
Benzo[b]fluoranthene	1.08	ND	0.823	76	58-122	H
Benzo[g,h,i]perylene	1.08	ND	0.880	81	50-120	H
Benzo[k]fluoranthene	1.08	ND	0.859	79	57-128	H
Bis(2-chloroethyl)ether	1.08	ND	0.930	86	59-130	H
Bis(2-ethylhexyl) phthalate	1.08	0.77 J	1.68	84	14-155	H
Butylbenzylphthalate	1.08	0.16 J	1.13	89	10-120	H
Chrysene	1.08	ND	0.901	83	55-123	H
Dibenz(a,h)anthracene	1.08	ND	0.891	82	50-121	H
Dibenzofuran	1.08	ND	0.933	86	48-124	H
Diethylphthalate	1.08	ND	0.925 J	85	38-120	H
Dimethylphthalate	1.08	ND	0.804 J	74	10-121	H
Di-n-butyl phthalate	1.08	ND	0.976 J	90	46-125	H
Di-n-octyl phthalate	1.08	ND	0.913 J	84	22-130	H
Fluoranthene	1.08	ND	0.932	86	61-123	H
Fluorene	1.08	ND	0.897	83	55-120	H
Hexachlorobenzene	1.08	ND	0.971	90	20-120	H
Indeno[1,2,3-cd]pyrene	1.08	ND	0.890	82	47-143	H
Naphthalene	1.08	ND	0.712	66	20-120	H
N-Nitrosodimethylamine	1.08	ND	0.682	63	37-120	H
Phenanthrene	1.08	ND	0.946	87	59-120	H
Pyrene	1.08	ND	0.873	81	46-122	H

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MH1425.D

Lab ID: 410-94417-1 MSD Client ID: FBS010-MSD_082022 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.04	0.458	44	0	30	23-120	
1-Methylnaphthalene	1.04	0.686	66	1	30	23-124	
2-Methylnaphthalene	1.04	0.657	63	1	30	20-133	
Acenaphthene	1.04	0.867	83	1	30	42-120	
Acenaphthylene	1.04	0.775	75	0	30	49-120	
Anthracene	1.04	0.874	84	0	30	54-121	
Benzo[a]anthracene	1.04	0.867	83	4	30	61-122	
Benzo[a]pyrene	1.04	0.786	76	8	30	60-120	
Benzo[b]fluoranthene	1.04	0.784	75	6	30	58-122	
Benzo[g,h,i]perylene	1.04	0.579	56	22	30	50-120	
Benzo[k]fluoranthene	1.04	0.849	82	7	30	57-128	
Bis(2-chloroethyl)ether	1.04	0.885	85	3	30	59-130	
Butylbenzylphthalate	1.04	0.569 J	55	27	30	10-120	
Chrysene	1.04	0.833	80	3	30	55-123	
Dibenz(a,h)anthracene	1.04	0.593	57	22	30	50-121	
Dibenzofuran	1.04	0.838	81	1	30	48-124	
Diethylphthalate	1.04	0.613 J	59	15	30	38-120	
Dimethylphthalate	1.04	0.202 J	19	46	30	10-121	F2
Di-n-octyl phthalate	1.04	0.868 J	83	22	30	22-130	
Fluoranthene	1.04	0.911	88	1	30	61-123	
Fluorene	1.04	0.821	79	1	30	55-120	
Hexachlorobenzene	1.04	0.886	85	1	30	20-120	
Indeno[1,2,3-cd]pyrene	1.04	0.607	58	21	30	47-143	
Naphthalene	1.04	0.685	66	1	30	20-120	
N-Nitrosodimethylamine	1.04	0.691	66	3	30	37-120	
Phenanthrene	1.04	0.878	84	1	30	59-120	
Pyrene	1.04	0.826	79	2	30	46-122	

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NH1307.D

Lab ID: 410-94417-1 MSD RA Client ID: FBS010-MSD_082022 MSD RA

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	1.04	1.57	89	15	30	14-155	
Di-n-butyl phthalate	1.04	14.5	-169	23	30	46-125	4

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MH1507.D

Lab ID: 410-94417-1 MSD RE Client ID: FBS010-MSD_082022 MSD RE

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.04	0.505	49	1	30	23-120	H
1-Methylnaphthalene	1.04	0.709	68	1	30	23-124	H
2-Methylnaphthalene	1.04	0.670	64	2	30	20-133	H
Acenaphthene	1.04	0.828	80	2	30	42-120	H
Acenaphthylene	1.04	0.805	77	2	30	49-120	H
Anthracene	1.04	0.901	87	3	30	54-121	H
Benzo[a]anthracene	1.04	0.893	86	3	30	61-122	H
Benzo[a]pyrene	1.04	0.799	77	5	30	60-120	H
Benzo[b]fluoranthene	1.04	0.782	75	5	30	58-122	H
Benzo[g,h,i]perylene	1.04	0.856	82	3	30	50-120	H
Benzo[k]fluoranthene	1.04	0.833	80	3	30	57-128	H
Bis(2-chloroethyl)ether	1.04	0.882	85	5	30	59-130	H
Bis(2-ethylhexyl) phthalate	1.04	1.61	80	4	30	14-155	H
Butylbenzylphthalate	1.04	1.11	92	1	30	10-120	H
Chrysene	1.04	0.873	84	3	30	55-123	H
Dibenz(a,h)anthracene	1.04	0.866	83	3	30	50-121	H
Dibenzofuran	1.04	0.892	86	4	30	48-124	H
Diethylphthalate	1.04	0.917 J	88	1	30	38-120	H
Dimethylphthalate	1.04	0.801 J	77	0	30	10-121	H
Di-n-butyl phthalate	1.04	0.942 J	91	4	30	46-125	H
Di-n-octyl phthalate	1.04	0.870 J	84	5	30	22-130	H
Fluoranthene	1.04	0.904	87	3	30	61-123	H
Fluorene	1.04	0.868	83	3	30	55-120	H
Hexachlorobenzene	1.04	0.957	92	1	30	20-120	H
Indeno[1,2,3-cd]pyrene	1.04	0.859	83	4	30	47-143	H
Naphthalene	1.04	0.704	68	1	30	20-120	H
N-Nitrosodimethylamine	1.04	0.680	65	0	30	37-120	H
Phenanthrene	1.04	0.909	87	4	30	59-120	H
Pyrene	1.04	0.859	83	2	30	46-122	H

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Lab File ID: MH1255.D Lab Sample ID: MB 410-286366/1-A

Matrix: Water Date Extracted: 08/16/2022 09:09

Instrument ID: HP21585 Date Analyzed: 08/16/2022 19:45

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-286366/2-A	MH1256.D	08/16/2022 20:06
	LCSD 410-286366/3-A	MH1257.D	08/16/2022 20:28
FB-01_082022	410-94417-4	MH1275.D	08/17/2022 02:53

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Lab File ID: NH1154.D Lab Sample ID: MB 410-286366/1-A

Matrix: Water Date Extracted: 08/16/2022 09:09

Instrument ID: HP23263 Date Analyzed: 08/17/2022 19:09

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
FB-01_082022 RA	410-94417-4 RA	NH1159.D	08/17/2022 20:58

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Lab File ID: MH1405.D Lab Sample ID: MB 410-287248/1-A

Matrix: Water Date Extracted: 08/18/2022 09:43

Instrument ID: HP21585 Date Analyzed: 08/18/2022 21:14

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-287248/2-A	MH1406.D	08/18/2022 21:36
	LCSD 410-287248/3-A	MH1407.D	08/18/2022 21:57
FBS010_082022	410-94417-1	MH1423.D	08/19/2022 03:41
FBS010-MS_082022 MS	410-94417-1 MS	MH1424.D	08/19/2022 04:02
FBS010-MSD_082022 MSD	410-94417-1 MSD	MH1425.D	08/19/2022 04:23
FBW001_082022	410-94417-2	MH1426.D	08/19/2022 04:45
DUP-01_082022	410-94417-3	MH1427.D	08/19/2022 05:06

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Lab File ID: NH1302.D Lab Sample ID: MB 410-287248/1-A

Matrix: Water Date Extracted: 08/18/2022 09:43

Instrument ID: HP23263 Date Analyzed: 08/19/2022 05:14

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-287248/2-A	NH1303.D	08/19/2022 05:36
	LCSD 410-287248/3-A	NH1304.D	08/19/2022 05:58
FBS010_082022 RA	410-94417-1 RA	NH1305.D	08/19/2022 06:19
FBS010-MS_082022 MS RA	410-94417-1 MS RA	NH1306.D	08/19/2022 06:41
FBS010-MSD_082022 MSD RA	410-94417-1 MSD RA	NH1307.D	08/19/2022 07:03
FBW001_082022 RA	410-94417-2 RA	NH1308.D	08/19/2022 07:24
DUP-01_082022 RA	410-94417-3 RA	NH1309.D	08/19/2022 07:46

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Lab File ID: MH1502.D Lab Sample ID: MB 410-288127/1-A

Matrix: Water Date Extracted: 08/21/2022 10:35

Instrument ID: HP21585 Date Analyzed: 08/22/2022 07:40

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-288127/2-A	MH1503.D	08/22/2022 08:01
	LCSD 410-288127/3-A	MH1504.D	08/22/2022 08:22
FBS010_082022 RE	410-94417-1 RE	MH1505.D	08/22/2022 08:44
FBS010-MS_082022 MS RE	410-94417-1 MS RE	MH1506.D	08/22/2022 09:05
FBS010-MSD_082022 MSD RE	410-94417-1 MSD RE	MH1507.D	08/22/2022 09:27
FBW001_082022 RE	410-94417-2 RE	MH1511.D	08/22/2022 10:52
DUP-01_082022 RE	410-94417-3 RE	MH1512.D	08/22/2022 11:14

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: MG1350.D DFTPP Injection Date: 07/28/2022

Instrument ID: HP21585 DFTPP Injection Time: 18:23

Analysis Batch No.: 280637

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	51.6	
68	Less than 2% of mass 69	0.9	(1.5) 1
69	Mass 69 Relative abundance	57.7	
70	Less than 2% of mass 69	0.4	(0.6) 1
127	10-80% of Base Peak	50.8	
197	Less than 2% of mass 198	0.7	
198	Base peak	100.0	
199	5-9% of mass 198	6.7	
275	10-60% of Base Peak	26.4	
365	Greater than 1% of mass 198	3.2	
441	present but less than 24% of mass 442	11.4	(15.8) 2
442	Greater than 50% of mass 198	71.9	
443	15-24% of mass 442	14.1	(19.7) 2

1-Value is % mass 69 2-Value is % mass 442

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
	ICIS 410-280637/2	MG1351b.D	07/28/2022	19:23
	IC 410-280637/3	MG1352.D	07/28/2022	20:06
	IC 410-280637/4	MG1353.D	07/28/2022	20:27
	IC 410-280637/5	MG1354.D	07/28/2022	20:49
	IC 410-280637/6	MG1355.D	07/28/2022	21:10
	IC 410-280637/7	MG1356.D	07/28/2022	21:32
	ICV 410-280637/9	MG1358.D	07/28/2022	22:14

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: MH11250.D DFTPP Injection Date: 08/16/2022

Instrument ID: HP21585 DFTPP Injection Time: 17:18

Analysis Batch No.: 286632

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	44.2	
68	Less than 2% of mass 69	0.7	(1.5) 1
69	Mass 69 Relative abundance	48.2	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	47.9	
197	Less than 2% of mass 198	0.7	
198	Base peak	100.0	
199	5-9% of mass 198	6.9	
275	10-60% of Base Peak	26.0	
365	Greater than 1% of mass 198	2.9	
441	present but less than 24% of mass 442	11.2	(16.3) 2
442	Greater than 50% of mass 198	69.1	
443	15-24% of mass 442	13.5	(19.5) 2

1-Value is % mass 69 2-Value is % mass 442

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 410-286632/2	MH1251.D	08/16/2022	17:53
	MB 410-286366/1-A	MH1255.D	08/16/2022	19:45
	LCS 410-286366/2-A	MH1256.D	08/16/2022	20:06
	LCSD 410-286366/3-A	MH1257.D	08/16/2022	20:28
FB-01_082022	410-94417-4	MH1275.D	08/17/2022	2:53

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: MH1400.D DFTPP Injection Date: 08/18/2022

Instrument ID: HP21585 DFTPP Injection Time: 18:57

Analysis Batch No.: 287573

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	37.8	
68	Less than 2% of mass 69	0.7	(1.7) 1
69	Mass 69 Relative abundance	42.4	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	45.0	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.9	
275	10-60% of Base Peak	27.8	
365	Greater than 1% of mass 198	3.2	
441	present but less than 24% of mass 442	12.8	(16.0) 2
442	Greater than 50% of mass 198	80.1	
443	15-24% of mass 442	15.9	(19.9) 2

1-Value is % mass 69 2-Value is % mass 442

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 410-287573/2	MH1401.D	08/18/2022	19:16
	MB 410-287248/1-A	MH1405.D	08/18/2022	21:14
	LCS 410-287248/2-A	MH1406.D	08/18/2022	21:36
	LCSD 410-287248/3-A	MH1407.D	08/18/2022	21:57
FBS010_082022	410-94417-1	MH1423.D	08/19/2022	3:41
FBS010-MS_082022 MS	410-94417-1 MS	MH1424.D	08/19/2022	4:02
FBS010-MSD_082022 MSD	410-94417-1 MSD	MH1425.D	08/19/2022	4:23
FBW001_082022	410-94417-2	MH1426.D	08/19/2022	4:45
DUP-01_082022	410-94417-3	MH1427.D	08/19/2022	5:06

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: MH1500.D DFTPP Injection Date: 08/22/2022

Instrument ID: HP21585 DFTPP Injection Time: 06:21

Analysis Batch No.: 288195

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	39.6	
68	Less than 2% of mass 69	0.8	(1.9) 1
69	Mass 69 Relative abundance	43.8	
70	Less than 2% of mass 69	0.3	(0.6) 1
127	10-80% of Base Peak	45.5	
197	Less than 2% of mass 198	0.7	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	27.0	
365	Greater than 1% of mass 198	3.4	
441	present but less than 24% of mass 442	12.3	(15.0) 2
442	Greater than 50% of mass 198	82.5	
443	15-24% of mass 442	14.9	(18.1) 2

1-Value is % mass 69 2-Value is % mass 442

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 410-288195/2	MH1501a.D	08/22/2022	7:11
	MB 410-288127/1-A	MH1502.D	08/22/2022	7:40
	LCS 410-288127/2-A	MH1503.D	08/22/2022	8:01
	LCSD 410-288127/3-A	MH1504.D	08/22/2022	8:22
FBS010_082022 RE	410-94417-1 RE	MH1505.D	08/22/2022	8:44
FBS010-MS_082022 MS RE	410-94417-1 MS RE	MH1506.D	08/22/2022	9:05
FBS010-MSD_082022 MSD RE	410-94417-1 MSD RE	MH1507.D	08/22/2022	9:27
FBW001_082022 RE	410-94417-2 RE	MH1511.D	08/22/2022	10:52
DUP-01_082022 RE	410-94417-3 RE	MH1512.D	08/22/2022	11:14

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: ND1400.D DFTPP Injection Date: 04/29/2022

Instrument ID: HP23263 DFTPP Injection Time: 14:24

Analysis Batch No.: 250058

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	62.1	
68	Less than 2% of mass 69	1.2	(1.8) 1
69	Mass 69 Relative abundance	65.6	
70	Less than 2% of mass 69	0.4	(0.5) 1
127	10-80% of Base Peak	60.9	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.1	
275	10-60% of Base Peak	25.8	
365	Greater than 1% of mass 198	3.3	
441	present but less than 24% of mass 442	10.6	(16.1) 2
442	Greater than 50% of mass 198	66.2	
443	15-24% of mass 442	13.3	(20.1) 2

1-Value is % mass 69 2-Value is % mass 442

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
	ICIS 410-250058/2	ND1401.D	04/29/2022	14:59
	IC 410-250058/3	ND1402.D	04/29/2022	15:37
	IC 410-250058/4	ND1403.D	04/29/2022	15:59
	IC 410-250058/5	ND1404.D	04/29/2022	16:20
	IC 410-250058/6	ND1405.D	04/29/2022	16:42
	IC 410-250058/7	ND1406.D	04/29/2022	17:03
	ICV 410-250058/9	ND1408.D	04/29/2022	17:47

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: NH1150a.D DFTPP Injection Date: 08/17/2022

Instrument ID: HP23263 DFTPP Injection Time: 17:31

Analysis Batch No.: 287123

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	56.7	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	61.7	
70	Less than 2% of mass 69	0.3	(0.5) 1
127	10-80% of Base Peak	57.0	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.1	
275	10-60% of Base Peak	28.4	
365	Greater than 1% of mass 198	3.4	
441	present but less than 24% of mass 442	13.1	(16.9) 2
442	Greater than 50% of mass 198	77.6	
443	15-24% of mass 442	15.6	(20.1) 2

1-Value is % mass 69 2-Value is % mass 442

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 410-287123/2	NH1151.D	08/17/2022	17:51
	MB 410-286366/1-A RA	NH1154.D	08/17/2022	19:09
FB-01_082022 RA	410-94417-4 RA	NH1159.D	08/17/2022	20:58

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Lab File ID: NH1300.D DFTPP Injection Date: 08/19/2022

Instrument ID: HP23263 DFTPP Injection Time: 04:21

Analysis Batch No.: 287637

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	57.1	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	62.5	
70	Less than 2% of mass 69	0.3	(0.5) 1
127	10-80% of Base Peak	58.0	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.0	
275	10-60% of Base Peak	27.8	
365	Greater than 1% of mass 198	3.2	
441	present but less than 24% of mass 442	12.6	(16.4) 2
442	Greater than 50% of mass 198	76.3	
443	15-24% of mass 442	15.4	(20.2) 2

1-Value is % mass 69 2-Value is % mass 442

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 410-287637/2	NH1301.D	08/19/2022	4:38
	MB 410-287248/1-A	NH1302.D	08/19/2022	5:14
	LCS 410-287248/2-A	NH1303.D	08/19/2022	5:36
	LCSD 410-287248/3-A	NH1304.D	08/19/2022	5:58
FBS010_082022 RA	410-94417-1 RA	NH1305.D	08/19/2022	6:19
FBS010-MS_082022 MS RA	410-94417-1 MS RA	NH1306.D	08/19/2022	6:41
FBS010-MSD_082022 MSD RA	410-94417-1 MSD RA	NH1307.D	08/19/2022	7:03
FBW001_082022 RA	410-94417-2 RA	NH1308.D	08/19/2022	7:24
DUP-01_082022 RA	410-94417-3 RA	NH1309.D	08/19/2022	7:46

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: ICIS 410-280637/2 Date Analyzed: 07/28/2022 19:23

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MG1351b.D Heated Purge: (Y/N) N

Calibration ID: 41344

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		62721	4.57	222361	5.76	120364	7.42
UPPER LIMIT		125442	5.07	444722	6.26	240728	7.92
LOWER LIMIT		31361	4.07	111181	5.26	60182	6.92
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-280637/9		71756	4.58	251024	5.75	136033	7.42
CCVIS 410-286632/2		66080	4.54	243637	5.73	126602	7.38
CCVIS 410-287573/2		63213	4.54	227668	5.73	117399	7.38
CCVIS 410-288195/2		60061	4.53	224058	5.72	112827	7.38

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: ICIS 410-280637/2 Date Analyzed: 07/28/2022 19:23

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MG1351b.D Heated Purge: (Y/N) N

Calibration ID: 41344

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		218059	8.83	186396	11.50	183007	13.47
UPPER LIMIT		436118	9.33	372792	12.00	366014	13.97
LOWER LIMIT		109030	8.33	93198	11.00	91504	12.97
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-280637/9		243385	8.82	198451	11.50	177699	13.46
CCVIS 410-286632/2		218593	8.80	180707	11.47	180699	13.42
CCVIS 410-287573/2		208397	8.80	181022	11.47	188050	13.42
CCVIS 410-288195/2		197823	8.79	170972	11.46	185597	13.41

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-286632/2 Date Analyzed: 08/16/2022 17:53

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MH1251.D Heated Purge: (Y/N) N

Calibration ID: 41344

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		66080	4.54	243637	5.73	126602	7.38
UPPER LIMIT		132160	5.04	487274	6.23	253204	7.88
LOWER LIMIT		33040	4.04	121819	5.23	63301	6.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-286366/1-A		78592	4.54	285790	5.73	139463	7.38
LCS 410-286366/2-A		77076	4.54	300638	5.73	141770	7.38
LCSD 410-286366/3-A		74618	4.54	289148	5.73	136114	7.38
410-94417-4	FB-01_082022	80069	4.54	284928	5.73	142764	7.38

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-286632/2 Date Analyzed: 08/16/2022 17:53

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MH1251.D Heated Purge: (Y/N) N

Calibration ID: 41344

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		218593	8.80	180707	11.47	180699	13.42
UPPER LIMIT		437186	9.30	361414	11.97	361398	13.92
LOWER LIMIT		109297	8.30	90354	10.97	90350	12.92
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-286366/1-A		240712	8.79	184188	11.47	174710	13.41
LCS 410-286366/2-A		241681	8.79	199888	11.47	188602	13.41
LCSD 410-286366/3-A		232931	8.79	185655	11.47	175629	13.41
410-94417-4	FB-01_082022	248469	8.79	206201	11.47	223017	13.41

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-287573/2 Date Analyzed: 08/18/2022 19:16

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MH1401.D Heated Purge: (Y/N) N

Calibration ID: 41344

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		63213	4.54	227668	5.73	117399	7.38
UPPER LIMIT		126426	5.04	455336	6.23	234798	7.88
LOWER LIMIT		31607	4.04	113834	5.23	58700	6.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-287248/1-A		76011	4.54	268241	5.73	139208	7.38
LCS 410-287248/2-A		70316	4.54	277961	5.73	132437	7.38
LCSD 410-287248/3-A		71954	4.54	272977	5.73	134685	7.38
410-94417-1	FBS010_082022	79153	4.54	280284	5.73	143759	7.38
410-94417-1 MS	FBS010-MS_082022 MS	72999	4.54	278682	5.73	136163	7.38
410-94417-1 MSD	FBS010-MSD_082022 MSD	73661	4.54	279450	5.73	137146	7.38
410-94417-2	FBW001_082022	73625	4.54	266859	5.73	135864	7.38
410-94417-3	DUP-01_082022	72210	4.54	257368	5.73	133017	7.38

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-287573/2 Date Analyzed: 08/18/2022 19:16

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MH1401.D Heated Purge: (Y/N) N

Calibration ID: 41344

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		208397	8.80	181022	11.47	188050	13.42
UPPER LIMIT		416794	9.30	362044	11.97	376100	13.92
LOWER LIMIT		104199	8.30	90511	10.97	94025	12.92
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-287248/1-A		235677	8.79	196278	11.47	189973	13.41
LCS 410-287248/2-A		226779	8.79	189417	11.46	187193	13.41
LCSD 410-287248/3-A		227688	8.79	189024	11.47	187233	13.41
410-94417-1	FBS010_082022	249037	8.79	211146	11.46	213005	13.41
410-94417-1 MS	FBS010-MS_082022 MS	231346	8.79	201445	11.46	202917	13.41
410-94417-1 MSD	FBS010-MSD_082022 MSD	230737	8.79	200945	11.47	200343	13.41
410-94417-2	FBW001_082022	233249	8.79	197647	11.47	188659	13.41
410-94417-3	DUP-01_082022	228669	8.79	193669	11.47	185289	13.41

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-288195/2 Date Analyzed: 08/22/2022 07:11

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MH1501a.D Heated Purge: (Y/N) N

Calibration ID: 41344

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		60061	4.53	224058	5.72	112827	7.38
UPPER LIMIT		120122	5.03	448116	6.22	225654	7.88
LOWER LIMIT		30031	4.03	112029	5.22	56414	6.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-288127/1-A		66232	4.53	231548	5.72	114010	7.38
LCS 410-288127/2-A		63888	4.53	244613	5.72	114065	7.37
LCSD 410-288127/3-A		68894	4.53	262334	5.72	122052	7.37
410-94417-1 RE	FBS010_082022 RE	66880	4.53	237360	5.72	115192	7.37
410-94417-1 MS RE	FBS010-MS_082022 MS RE	67757	4.53	262690	5.72	120900	7.37
410-94417-1 MSD RE	FBS010-MSD_082022 MSD RE	66663	4.53	259902	5.72	118640	7.37
410-94417-2 RE	FBW001_082022 RE	70309	4.53	247847	5.72	124006	7.37
410-94417-3 RE	DUP-01_082022 RE	66817	4.53	241623	5.72	118194	7.37

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-288195/2 Date Analyzed: 08/22/2022 07:11

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MH1501a.D Heated Purge: (Y/N) N

Calibration ID: 41344

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		197823	8.79	170972	11.46	185597	13.41
UPPER LIMIT		395646	9.29	341944	11.96	371194	13.91
LOWER LIMIT		98912	8.29	85486	10.96	92799	12.91
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-288127/1-A		196585	8.79	159981	11.46	168718	13.41
LCS 410-288127/2-A		193976	8.78	173909	11.46	180195	13.40
LCSD 410-288127/3-A		212449	8.78	180970	11.46	186674	13.41
410-94417-1 RE	FBS010_082022 RE	196384	8.78	159904	11.46	171323	13.40
410-94417-1 MS RE	FBS010-MS_082022 MS RE	206895	8.78	176818	11.45	184652	13.40
410-94417-1 MSD RE	FBS010-MSD_082022 MSD RE	205742	8.78	173204	11.46	182463	13.40
410-94417-2 RE	FBW001_082022 RE	213978	8.78	187595	11.46	209184	13.41
410-94417-3 RE	DUP-01_082022 RE	206849	8.78	181886	11.46	198629	13.41

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: ICIS 410-250058/2 Date Analyzed: 04/29/2022 14:59

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): ND1401.D Heated Purge: (Y/N) N

Calibration ID: 37561

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		75428	4.51	246992	5.71	113531	7.36
UPPER LIMIT		150856	5.01	493984	6.21	227062	7.86
LOWER LIMIT		37714	4.01	123496	5.21	56766	6.86
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-250058/9		83289	4.51	265335	5.71	121689	7.37
CCVIS 410-287123/2		52357	4.38	181514	5.59	84703	7.26
CCVIS 410-287637/2		52721	4.37	177195	5.58	80566	7.25

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: ICIS 410-250058/2 Date Analyzed: 04/29/2022 14:59

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): ND1401.D Heated Purge: (Y/N) N

Calibration ID: 37561

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		179500	8.77	121833	11.43	122702	13.38
UPPER LIMIT		359000	9.27	243666	11.93	245404	13.88
LOWER LIMIT		89750	8.27	60917	10.93	61351	12.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-250058/9		202939	8.77	133914	11.43	119885	13.38
CCVIS 410-287123/2		148009	8.66	104678	11.28	105717	13.16
CCVIS 410-287637/2		140823	8.65	97449	11.26	103261	13.14

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-287123/2 Date Analyzed: 08/17/2022 17:51

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): NH1151.D Heated Purge: (Y/N) N

Calibration ID: 37561

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		52357	4.38	181514	5.59	84703	7.26
UPPER LIMIT		104714	4.88	363028	6.09	169406	7.76
LOWER LIMIT		26179	3.88	90757	5.09	42352	6.76
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-286366/1-A RA		66104	4.38	223924	5.59	106671	7.26
410-94417-4 RA	FB-01_082022 RA	62766	4.37	209295	5.59	102119	7.26

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-287123/2 Date Analyzed: 08/17/2022 17:51

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): NH1151.D Heated Purge: (Y/N) N

Calibration ID: 37561

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		148009	8.66	104678	11.28	105717	13.16
UPPER LIMIT		296018	9.16	209356	11.78	211434	13.66
LOWER LIMIT		74005	8.16	52339	10.78	52859	12.66
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-286366/1-A RA		178255	8.67	125218	11.28	115023	13.16
410-94417-4 RA	FB-01_082022 RA	168217	8.67	118314	11.28	113869	13.16

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-287637/2 Date Analyzed: 08/19/2022 04:38

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): NH1301.D Heated Purge: (Y/N) N

Calibration ID: 37561

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		52721	4.37	177195	5.58	80566	7.25
UPPER LIMIT		105442	4.87	354390	6.08	161132	7.75
LOWER LIMIT		26361	3.87	88598	5.08	40283	6.75
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-287248/1-A		67938	4.36	218911	5.58	103444	7.25
LCS 410-287248/2-A		61941	4.36	212432	5.58	93109	7.25
LCSD 410-287248/3-A		62135	4.36	214501	5.58	95698	7.25
410-94417-1 RA	FBS010_082022 RA	68533	4.36	226717	5.58	106548	7.25
410-94417-1 MS RA	FBS010-MS_082022 MS RA	62099	4.36	212079	5.58	97380	7.24
410-94417-1 MSD RA	FBS010-MSD_082022 MSD RA	61228	4.36	214468	5.58	93818	7.25
410-94417-2 RA	FBW001_082022 RA	65253	4.36	213983	5.58	101469	7.24
410-94417-3 RA	DUP-01_082022 RA	65740	4.36	212195	5.58	102100	7.24

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-94417-1

SDG No.:

Sample No.: CCVIS 410-287637/2 Date Analyzed: 08/19/2022 04:38

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): NH1301.D Heated Purge: (Y/N) N

Calibration ID: 37561

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		140823	8.65	97449	11.26	103261	13.14
UPPER LIMIT		281646	9.15	194898	11.76	206522	13.64
LOWER LIMIT		70412	8.15	48725	10.76	51631	12.64
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-287248/1-A		178994	8.65	124704	11.27	120374	13.14
LCS 410-287248/2-A		164498	8.65	115631	11.26	111739	13.14
LCSD 410-287248/3-A		161077	8.65	115631	11.26	114282	13.14
410-94417-1 RA	FBS010_082022 RA	179653	8.65	126235	11.27	124213	13.14
410-94417-1 MS RA	FBS010-MS_082022 MS RA	164279	8.65	119359	11.26	117582	13.14
410-94417-1 MSD RA	FBS010-MSD_082022 MSD RA	163932	8.65	116794	11.26	114105	13.14
410-94417-2 RA	FBW001_082022 RA	171175	8.65	120900	11.26	114892	13.14
410-94417-3 RA	DUP-01_082022 RA	168460	8.65	118492	11.26	113671	13.14

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270D SIM

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010_082022
Lab Sample ID: 410-94417-1

Matrix: Water
Lab File ID: MH1423.D

Analysis Method: 8270D SIM
Date Collected: 08/11/2022 12:05

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 240.9(mL)
Date Analyzed: 08/19/2022 03:41

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287573
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.31	0.10
90-12-0	1-Methylnaphthalene	ND		0.052	0.021
91-57-6	2-Methylnaphthalene	ND		0.052	0.021
83-32-9	Acenaphthene	ND		0.052	0.010
208-96-8	Acenaphthylene	ND		0.052	0.010
120-12-7	Anthracene	ND		0.052	0.010
56-55-3	Benzo[a]anthracene	ND		0.052	0.010
50-32-8	Benzo[a]pyrene	ND		0.052	0.010
205-99-2	Benzo[b]fluoranthene	ND		0.052	0.010
191-24-2	Benzo[g,h,i]perylene	ND		0.052	0.010
207-08-9	Benzo[k]fluoranthene	ND		0.052	0.010
111-44-4	Bis(2-chloroethyl)ether	ND		0.052	0.021
85-68-7	Butylbenzylphthalate	ND	cn	1.0	0.052
218-01-9	Chrysene	ND		0.052	0.010
53-70-3	Dibenz(a,h)anthracene	ND		0.052	0.021
132-64-9	Dibenzofuran	ND		0.052	0.010
84-66-2	Diethylphthalate	ND		1.0	0.052
131-11-3	Dimethylphthalate	ND	F2	1.0	0.052
117-84-0	Di-n-octyl phthalate	ND		1.0	0.052
206-44-0	Fluoranthene	ND		0.052	0.010
86-73-7	Fluorene	ND		0.052	0.010
118-74-1	Hexachlorobenzene	ND		0.052	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.052	0.021
91-20-3	Naphthalene	ND		0.073	0.031
62-75-9	N-Nitrosodimethylamine	ND		0.052	0.021
85-01-8	Phenanthrene	ND		0.073	0.031
129-00-0	Pyrene	ND		0.052	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010_082022 Lab Sample ID: 410-94417-1

Matrix: Water Lab File ID: MH1423.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 12:05

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 240.9(mL) Date Analyzed: 08/19/2022 03:41

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287573 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	61		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	72		10-110
93951-69-0	Fluoranthene-d10 (Surr)	76		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1423.D
Lims ID: 410-94417-G-1-C
Client ID: FBS010_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 03:41:04 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-C
Misc. Info.: 410-0064495-023
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 07:12:32 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 05:54:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	83	79153	0.2500	
* 5 Naphthalene-d8	136	5.729	5.729	0.000	91	280284	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.455	6.455	0.000	96	98211	0.1533	
* 13 Acenaphthene-d10	164	7.381	7.381	0.000	94	143759	0.2500	
* 20 Phenanthrene-d10	188	8.791	8.799	-0.008	95	249037	0.2500	
23 Di-n-butyl phthalate	149	9.358	9.356	-0.006	100	4641416	5.07	
$ 24 Fluoranthene-d10 (Surr)	212	9.928	9.926	-0.007	99	198906	0.1896	
* 29 Chrysene-d12	240	11.458	11.466	-0.008	56	211146	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.519	11.527	-0.008	100	81402	0.2252	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.298	13.299	-0.008	100	142100	0.1805	
* 38 Perylene-d12	264	13.413	13.421	-0.008	100	213005	0.2500	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

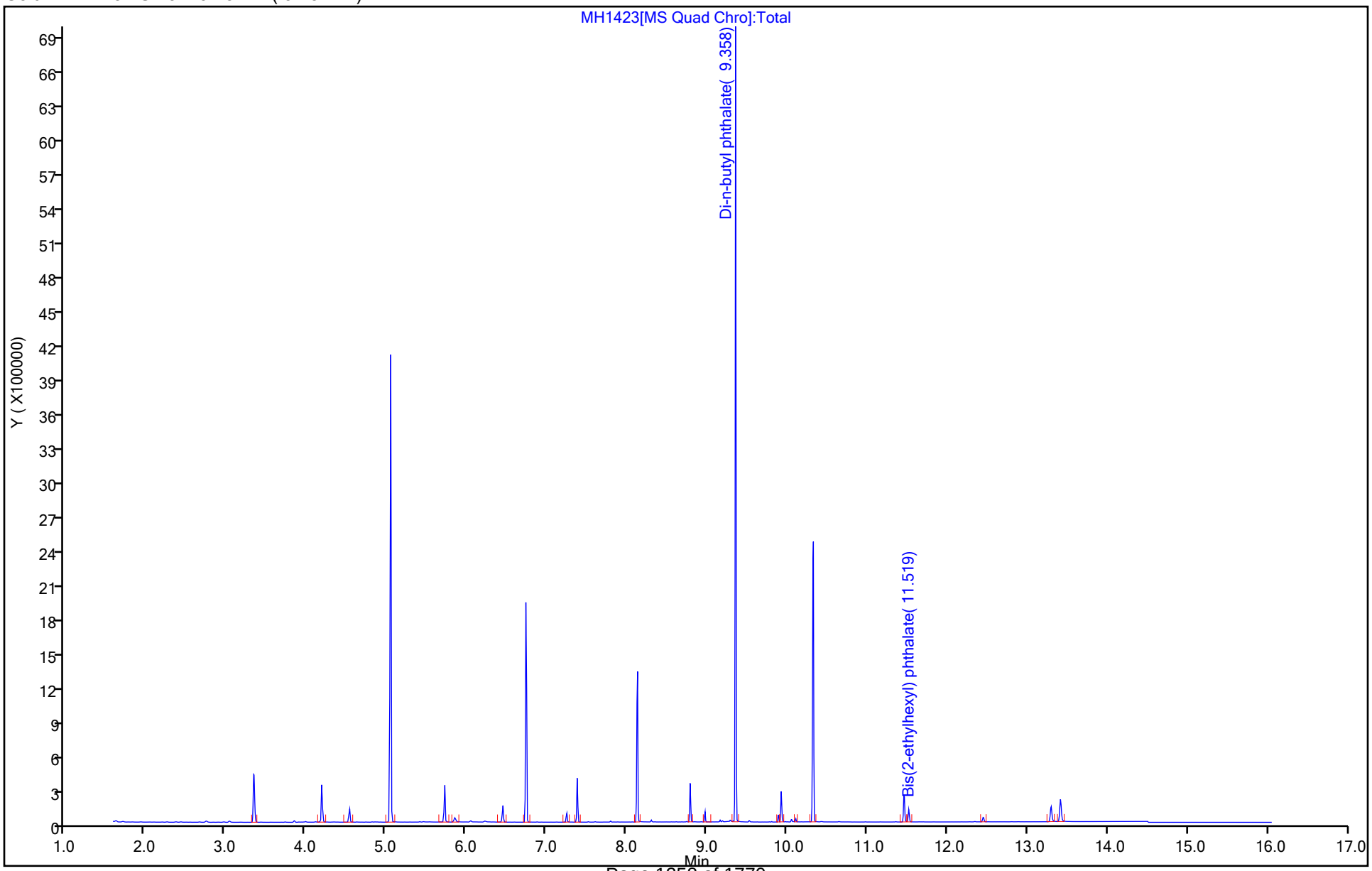
Report Date: 19-Aug-2022 07:13:18 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1423.D

Injection Date:	19-Aug-2022 03:41:04	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	410-94417-G-1-C	Lab Sample ID:	410-94417-1	Worklist Smp#:	23
Client ID:	FBS010_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1423.D
Lims ID: 410-94417-G-1-C
Client ID: FBS010_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 03:41:04 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-C
Misc. Info.: 410-0064495-023
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 07:12:32 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 05:54:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1533	61.33
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1896	75.83
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1805	72.18

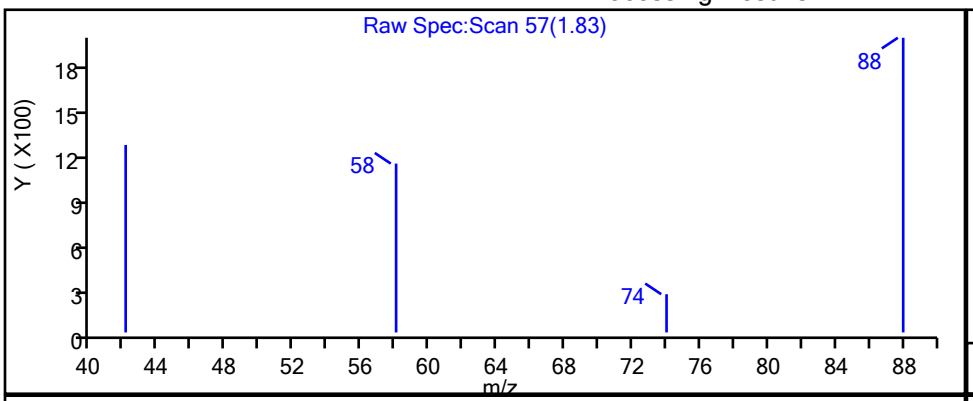
User Disabled Compound Report

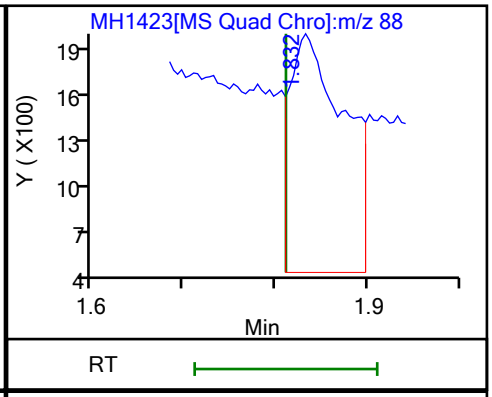
Eurofins Lancaster Laboratories Environment Testing, LLC

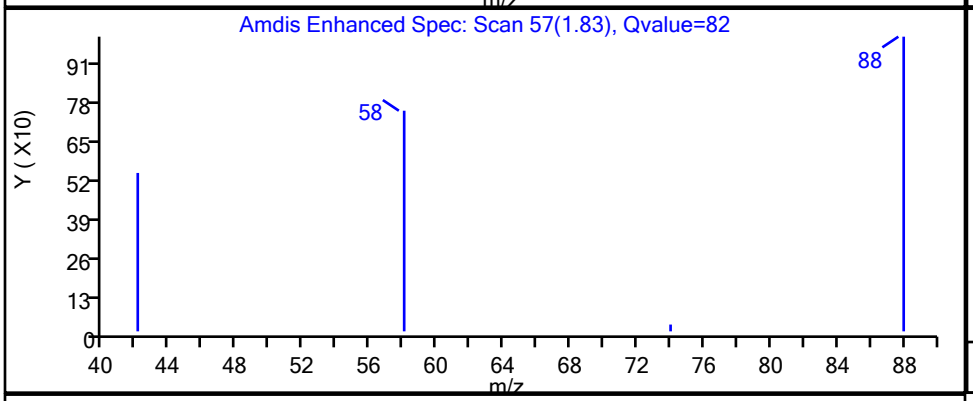
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1423.D				
Injection Date:	19-Aug-2022 03:41:04	Instrument ID:	HP21585		
Lims ID:	410-94417-G-1-C	Lab Sample ID:	410-94417-1		
Client ID:	FBS010_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

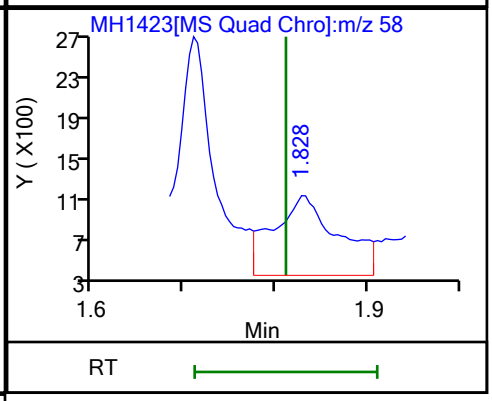
1 1,4-Dioxane, CAS: 123-91-1

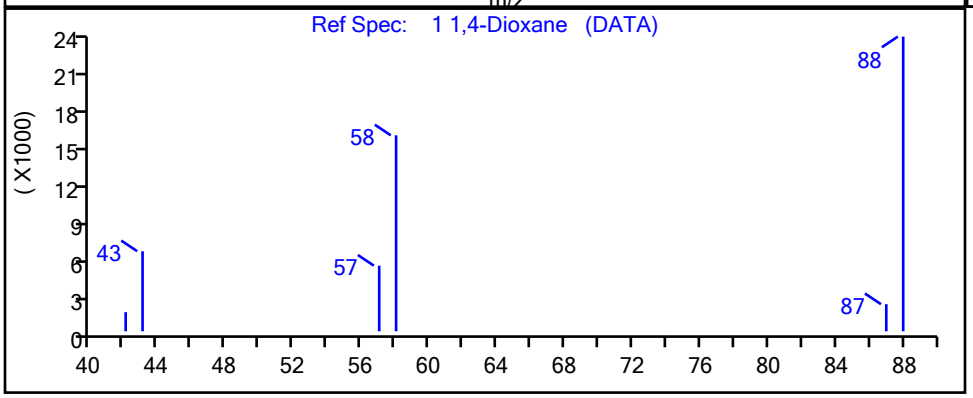
Processing Results











RT	Mass	Response	Amount
1.83	88.00	5976	0.026846
1.83	58.00	3833	

Reviewer: UJM0, 19-Aug-2022 07:09:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

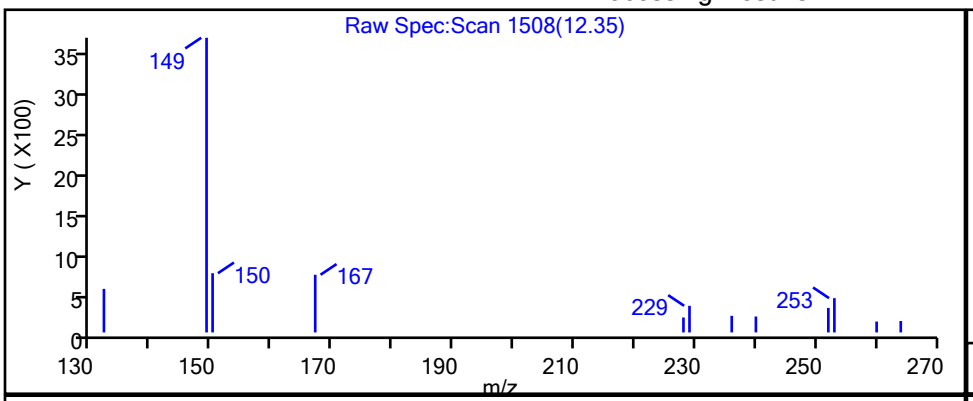
User Disabled Compound Report

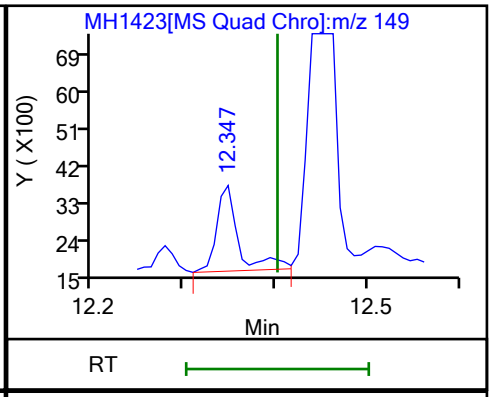
Eurofins Lancaster Laboratories Environment Testing, LLC

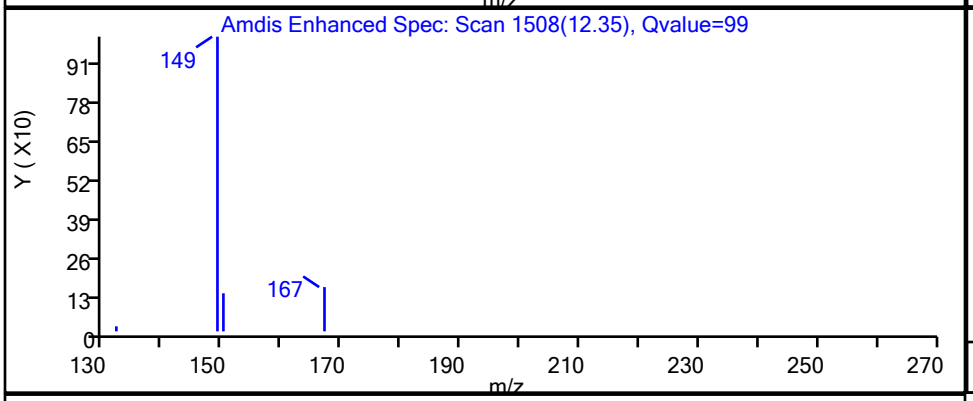
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1423.D				
Injection Date:	19-Aug-2022 03:41:04	Instrument ID:	HP21585		
Lims ID:	410-94417-G-1-C	Lab Sample ID:	410-94417-1		
Client ID:	FBS010_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

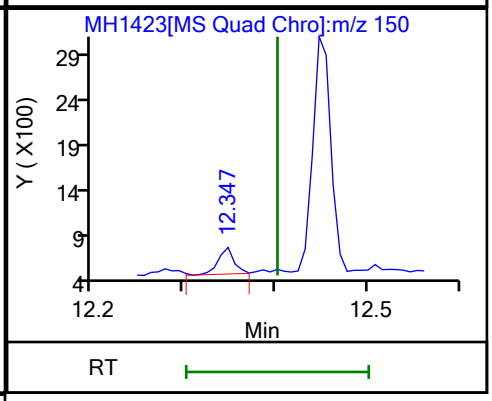
32 Di-n-octyl phthalate, CAS: 117-84-0

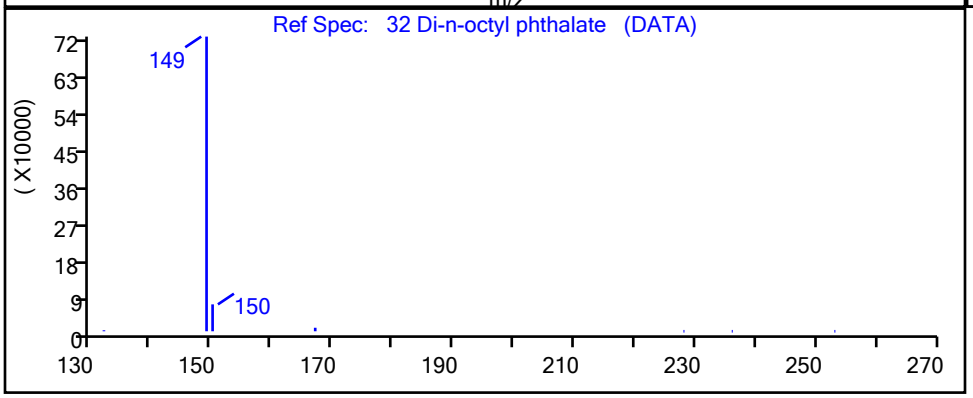
Processing Results











RT	Mass	Response	Amount
12.35	149.00	3416	0.045868
12.35	150.00	349	

Reviewer: UJM0, 19-Aug-2022 07:09:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010_082022 RA Lab Sample ID: 410-94417-1 RA

Matrix: Water Lab File ID: NH1305.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 12:05

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 240.9(mL) Date Analyzed: 08/19/2022 06:19

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.64	J B * + cn	1.0	0.052
84-74-2	Di-n-butyl phthalate	16	B *+ cn	1.0	0.052

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	61		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	72		10-110
93951-69-0	Fluoranthene-d10 (Surr)	70		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1305.D
Lims ID: 410-94417-G-1-C
Client ID: FBS010_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 06:19:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-C
Misc. Info.: 410-0064507-006
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:26:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.355	4.367	-0.013	84	68533	0.2500	
* 5 Naphthalene-d8	136	5.579	5.579	0.000	100	226717	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.314	6.314	0.000	97	75598	0.1530	
* 13 Acenaphthene-d10	164	7.246	7.246	0.000	94	106548	0.2500	
16 Diethyl phthalate	149	7.672	7.672	0.008	95	4684	0.009673	M
* 20 Phenanthrene-d10	188	8.653	8.653	-0.001	100	179653	0.2500	
23 Di-n-butyl phthalate	149	9.227	9.227	0.000	100	2601661	3.91	
$ 24 Fluoranthene-d10 (Surr)	212	9.785	9.785	0.000	97	127260	0.1749	
* 29 Chrysene-d12	240	11.265	11.257	0.008	81	126235	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.326	11.334	0.000	98	52670	0.1553	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.021	13.021	0.000	99	84812	0.1807	
* 38 Perylene-d12	264	13.136	13.136	0.000	97	124213	0.2500	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

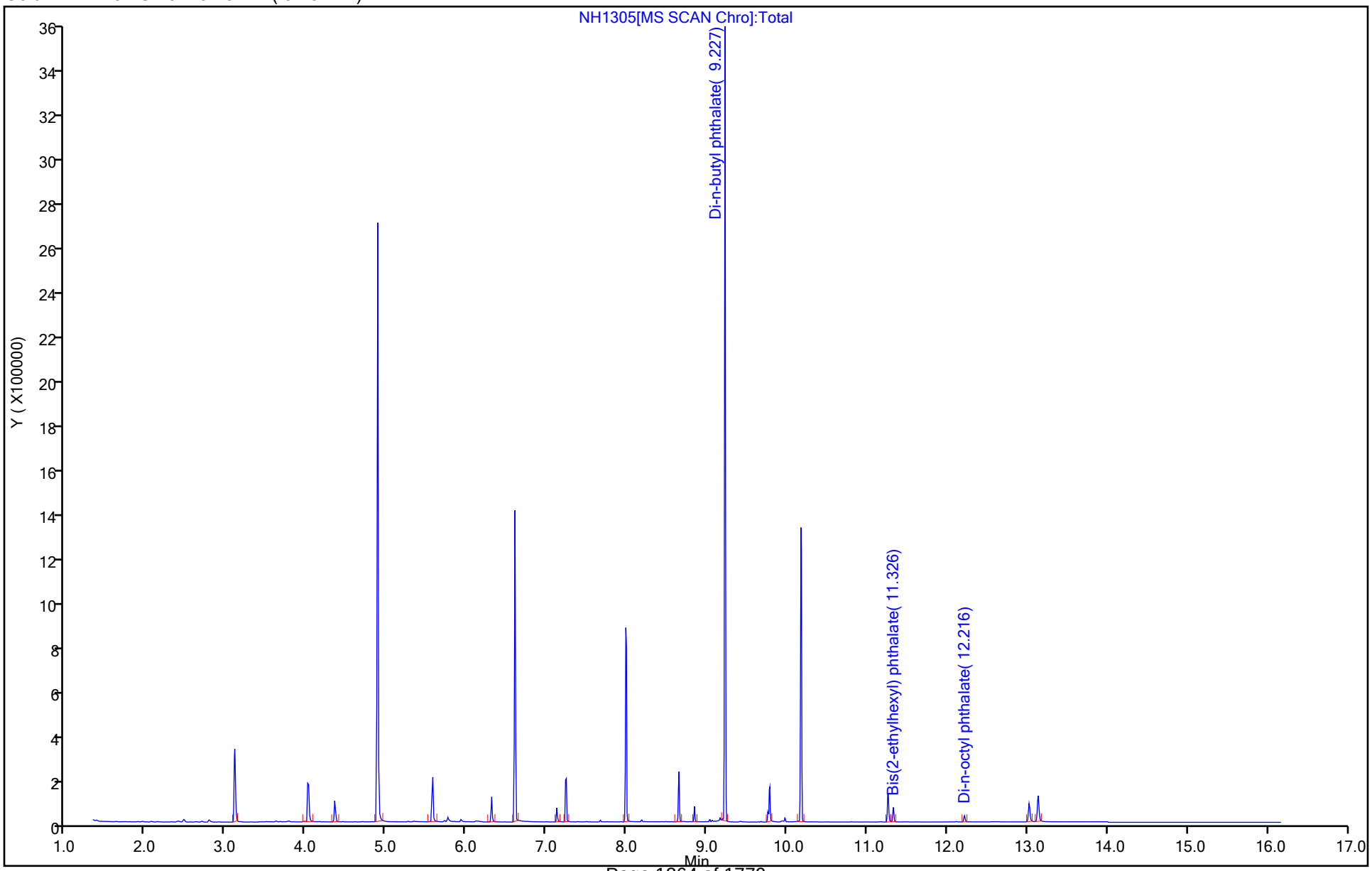
Report Date: 19-Aug-2022 08:31:03 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1305.D

Injection Date:	19-Aug-2022 06:19:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-94417-G-1-C	Lab Sample ID:	410-94417-1	Worklist Smp#:	6
Client ID:	FBS010_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1305.D
Lims ID: 410-94417-G-1-C
Client ID: FBS010_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 06:19:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-C
Misc. Info.: 410-0064507-006
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:26:42

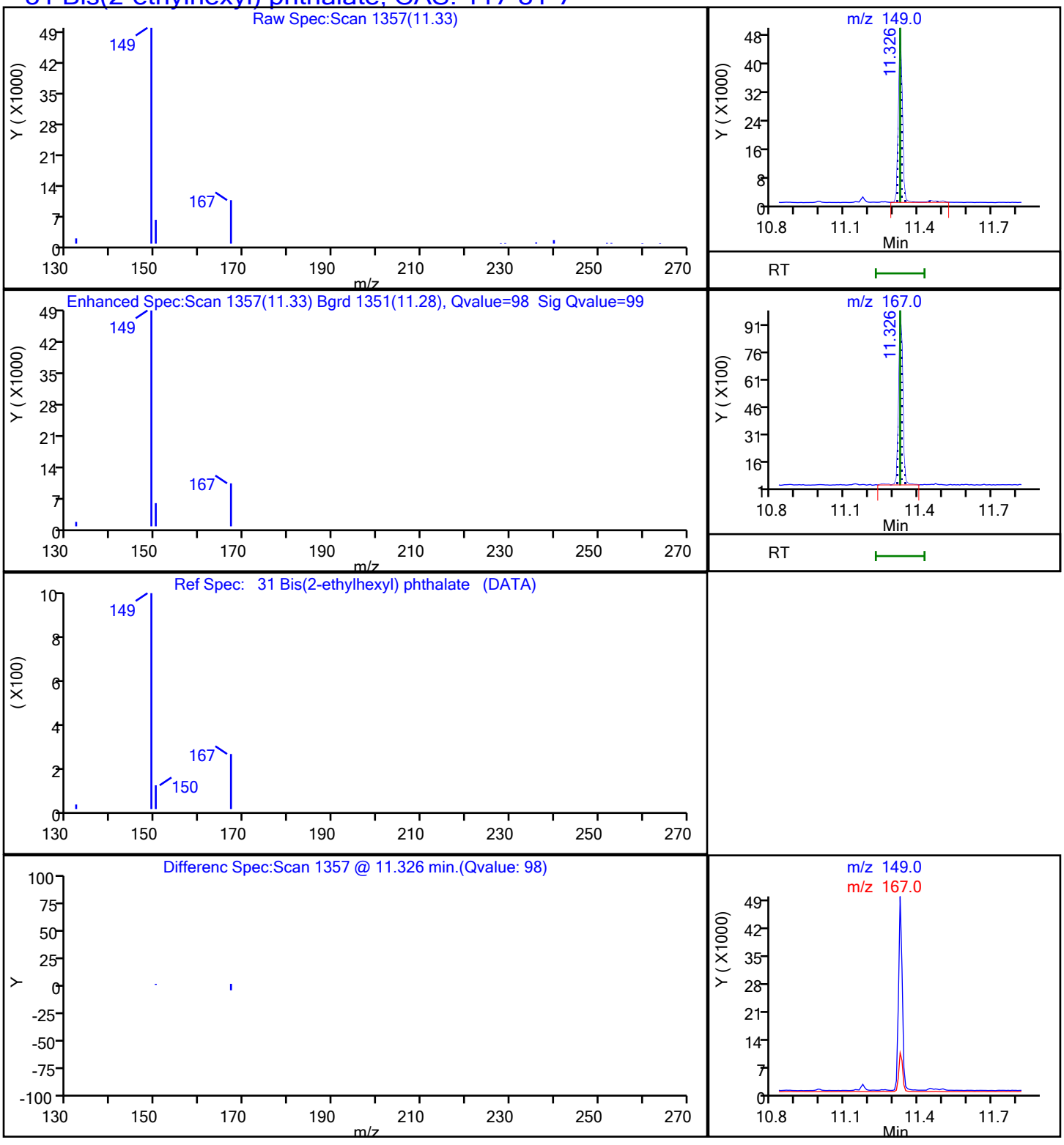
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1530	61.19
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1749	69.98
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1807	72.29

Report Date: 19-Aug-2022 08:31:03 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1305.D				
Injection Date:	19-Aug-2022 06:19:30	Instrument ID:	HP23263		
Lims ID:	410-94417-G-1-C	Lab Sample ID:	410-94417-1		
Client ID:	FBS010_082022				
Operator ID:	jmg00346	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



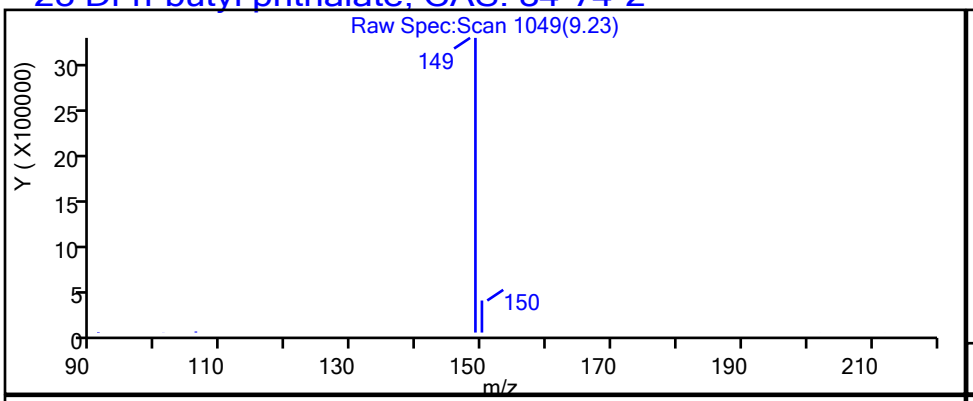
Report Date: 19-Aug-2022 08:31:03 Chrom Revision: 2.3 08-Aug-2022 16:03:06

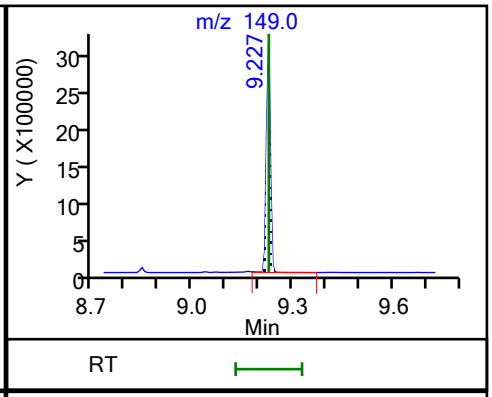
Eurofins Lancaster Laboratories Environment Testing, LLC

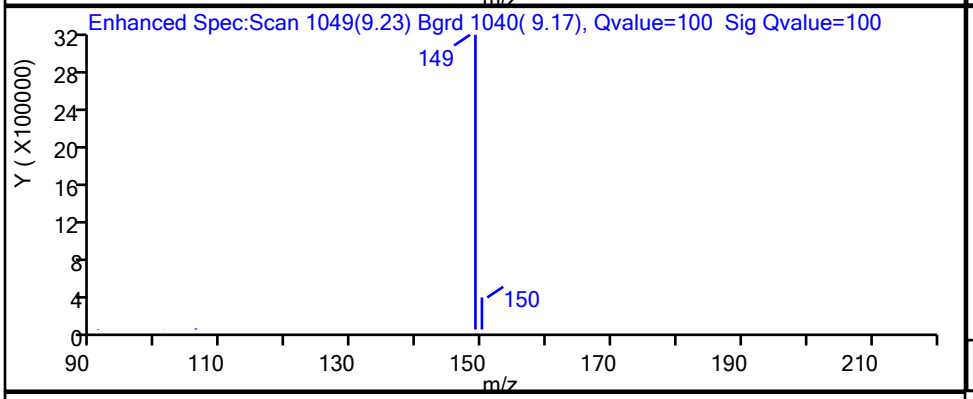
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1305.D

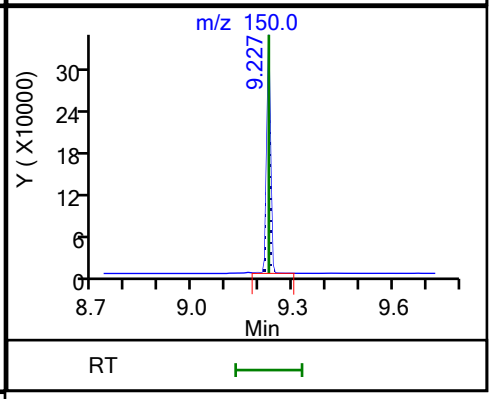
Injection Date:	19-Aug-2022 06:19:30	Instrument ID:	HP23263
Lims ID:	410-94417-G-1-C	Lab Sample ID:	410-94417-1
Client ID:	FBS010_082022		
Operator ID:	jmg00346	ALS Bottle#:	6 Worklist Smp#: 6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

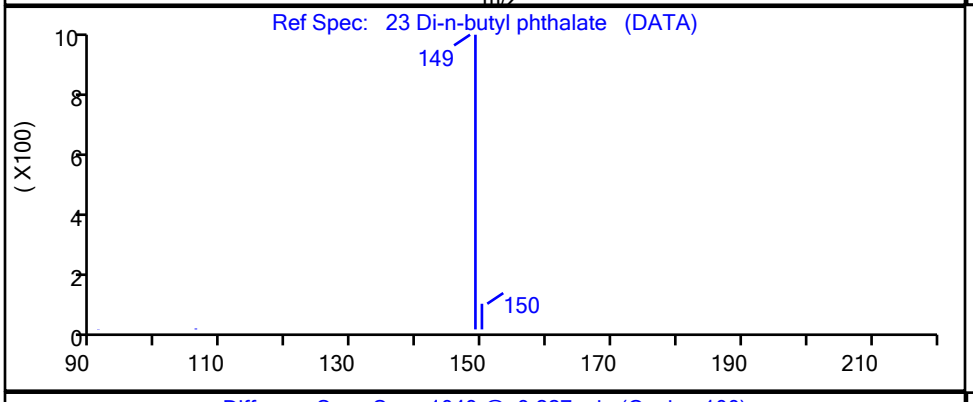
23 Di-n-butyl phthalate, CAS: 84-74-2

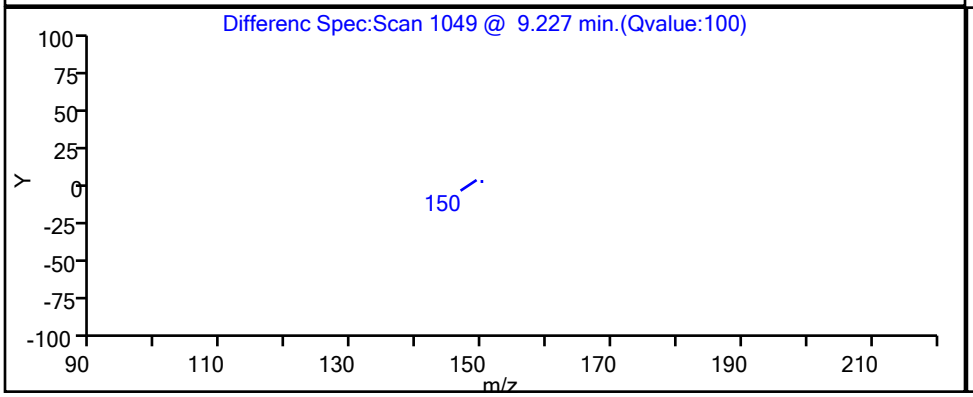


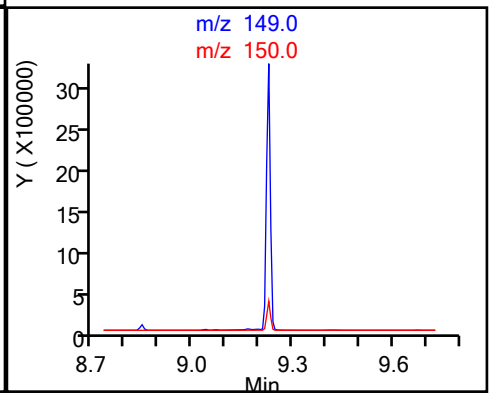












FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010_082022 RE
Lab Sample ID: 410-94417-1 RE

Matrix: Water
Lab File ID: MH1505.D

Analysis Method: 8270D SIM
Date Collected: 08/11/2022 12:05

Extract. Method: 3510C
Date Extracted: 08/21/2022 10:35

Sample wt/vol: 233.4(mL)
Date Analyzed: 08/22/2022 08:44

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 288195
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND	H	0.32	0.11
90-12-0	1-Methylnaphthalene	ND	H	0.054	0.021
91-57-6	2-Methylnaphthalene	ND	H	0.054	0.021
83-32-9	Acenaphthene	ND	H	0.054	0.011
208-96-8	Acenaphthylene	ND	H	0.054	0.011
120-12-7	Anthracene	ND	H	0.054	0.011
56-55-3	Benzo[a]anthracene	ND	H	0.054	0.011
50-32-8	Benzo[a]pyrene	ND	H	0.054	0.011
205-99-2	Benzo[b]fluoranthene	ND	H	0.054	0.011
191-24-2	Benzo[g,h,i]perylene	ND	H	0.054	0.011
207-08-9	Benzo[k]fluoranthene	ND	H	0.054	0.011
111-44-4	Bis(2-chloroethyl)ether	ND	H	0.054	0.021
117-81-7	Bis(2-ethylhexyl) phthalate	0.77	J H B *+	1.1	0.054
85-68-7	Butylbenzylphthalate	0.16	J H B	1.1	0.054
218-01-9	Chrysene	ND	H	0.054	0.011
53-70-3	Dibenz(a,h)anthracene	ND	H	0.054	0.021
132-64-9	Dibenzofuran	ND	H	0.054	0.011
84-66-2	Diethylphthalate	ND	H	1.1	0.054
131-11-3	Dimethylphthalate	ND	H	1.1	0.054
84-74-2	Di-n-butyl phthalate	ND	H	1.1	0.054
117-84-0	Di-n-octyl phthalate	ND	H	1.1	0.054
206-44-0	Fluoranthene	ND	H	0.054	0.011
86-73-7	Fluorene	ND	H	0.054	0.011
118-74-1	Hexachlorobenzene	ND	H	0.054	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	0.054	0.021
91-20-3	Naphthalene	ND	H	0.075	0.032
62-75-9	N-Nitrosodimethylamine	ND	H	0.054	0.021
85-01-8	Phenanthrene	ND	H	0.075	0.032
129-00-0	Pyrene	ND	H	0.054	0.011

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010_082022 RE Lab Sample ID: 410-94417-1 RE

Matrix: Water Lab File ID: MH1505.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 12:05

Extract. Method: 3510C Date Extracted: 08/21/2022 10:35

Sample wt/vol: 233.4(mL) Date Analyzed: 08/22/2022 08:44

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 288195 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	74		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	77		10-110
93951-69-0	Fluoranthene-d10 (Surr)	82		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1505.D
Lims ID: 410-94417-D-1-C RE
Client ID: FBS010_082022
Sample Type: Client
Inject. Date: 22-Aug-2022 08:44:16 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-D-1-C
Misc. Info.: 410-0064632-006
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:31:02

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.828	1.819	0.035	87	4178	0.0222	M
*	4 1,4-Dichlorobenzene-d4	152	4.530	4.530	0.000	84	66880	0.2500	
*	5 Naphthalene-d8	136	5.717	5.717	0.000	91	237360	0.2500	
$	9 1-Methylnaphthalene-d10	152	6.444	6.444	0.000	99	100661	0.1856	
*	13 Acenaphthene-d10	164	7.370	7.380	-0.010	97	115192	0.2500	
*	20 Phenanthrene-d10	188	8.782	8.790	-0.008	95	196384	0.2500	
$	24 Fluoranthene-d10 (Surr)	212	9.921	9.927	-0.006	98	168973	0.2042	
	27 Butyl benzyl phthalate	149	10.827	10.835	-0.008	97	311	0.0378	
	28 Benzo[a]anthracene	228	11.449	11.449	0.008	63	544	0.000649	7M
*	29 Chrysene-d12	240	11.456	11.456	0.000	55	159904	0.2500	
	30 Chrysene	228	11.479	11.487	-0.008	94	194	0.000207	7M
	31 Bis(2-ethylhexyl) phthalate	149	11.510	11.518	-0.008	100	46932	0.1805	
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.282	13.312	-0.007	100	121603	0.1920	
*	38 Perylene-d12	264	13.404	13.405	0.000	100	171323	0.2500	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

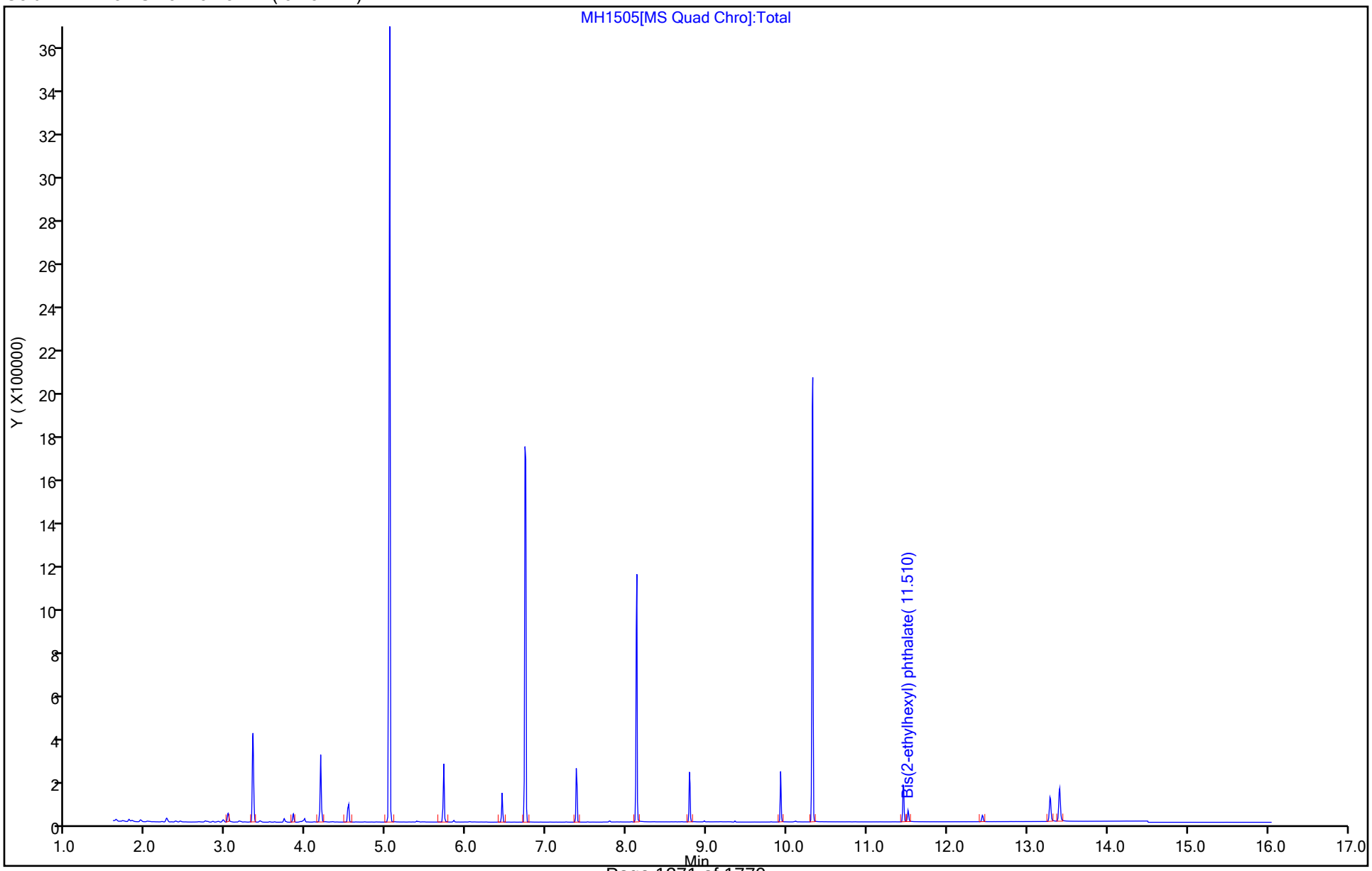
MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 22-Aug-2022 19:18:44 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1505.D				
Injection Date:	22-Aug-2022 08:44:16	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-94417-D-1-C RE	Lab Sample ID:	410-94417-1	Worklist Smp#:	6
Client ID:	FBS010_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1505.D				
Lims ID:	410-94417-D-1-C RE				
Client ID:	FBS010_082022				
Sample Type:	Client				
Inject. Date:	22-Aug-2022 08:44:16	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-94417-D-1-C				
Misc. Info.:	410-0064632-006				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	22-Aug-2022 19:18:30	Calib Date:	28-Jul-2022 21:32:00		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1611				

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:31:02

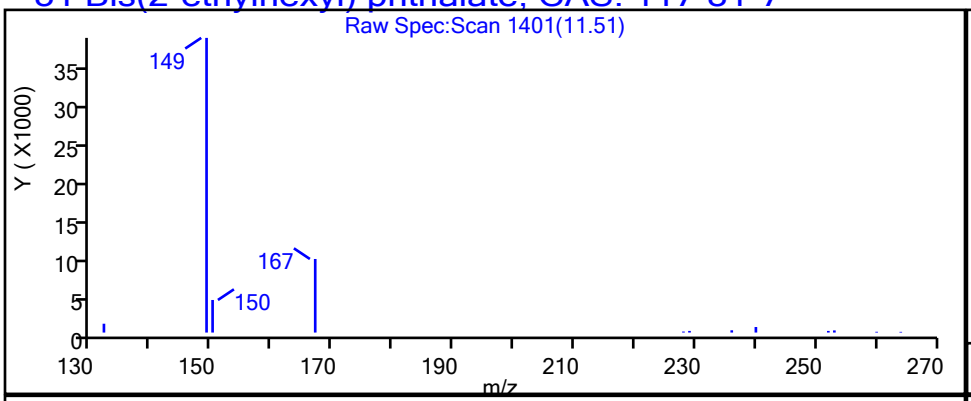
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1856	74.23
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2042	81.69
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1920	76.80

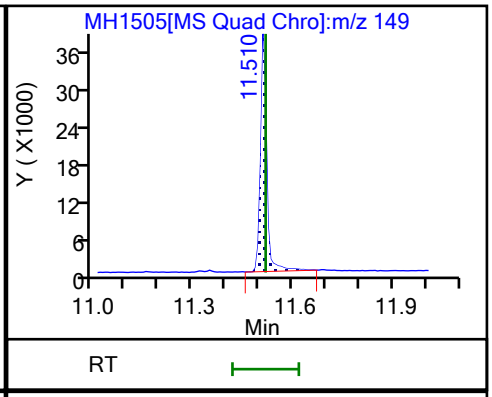
Report Date: 22-Aug-2022 19:18:44 Chrom Revision: 2.3 21-Aug-2022 20:49:52

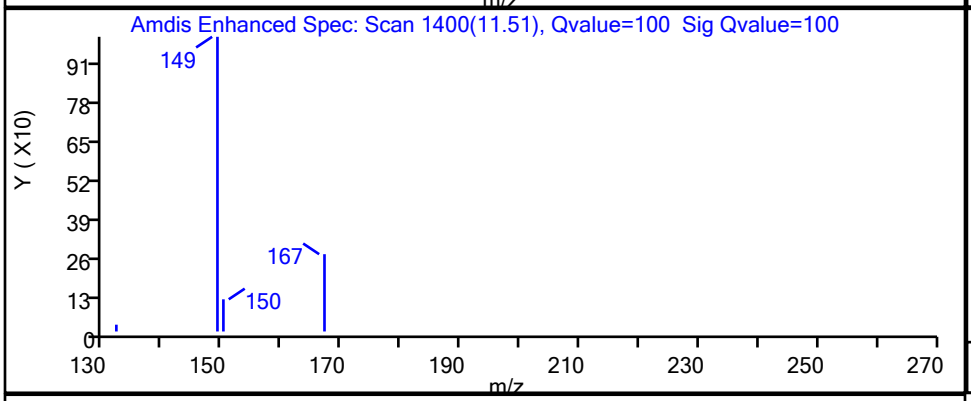
Eurofins Lancaster Laboratories Environment Testing, LLC

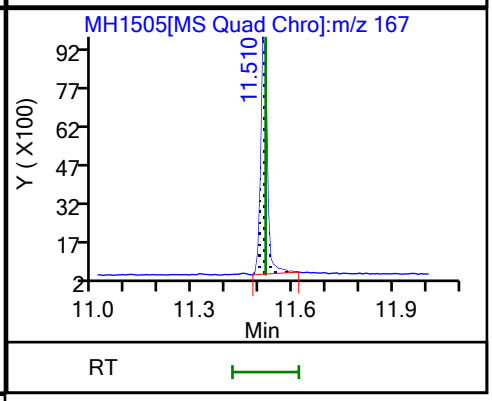
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1505.D				
Injection Date:	22-Aug-2022 08:44:16	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-C RE	Lab Sample ID:	410-94417-1		
Client ID:	FBS010_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

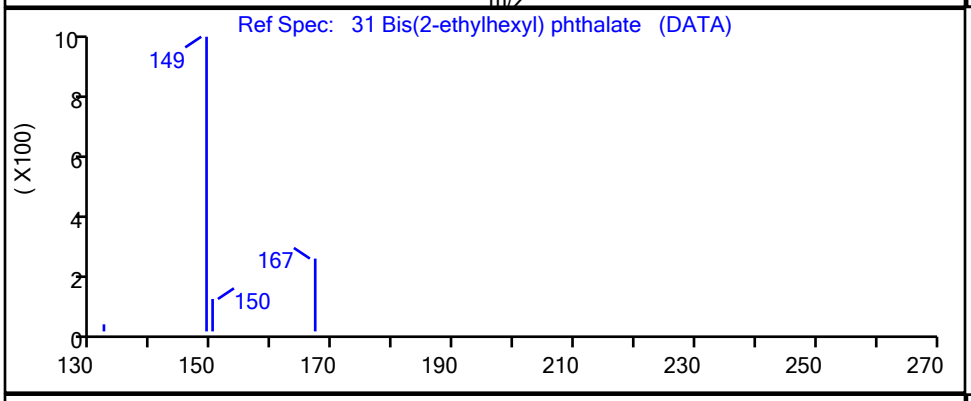
31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

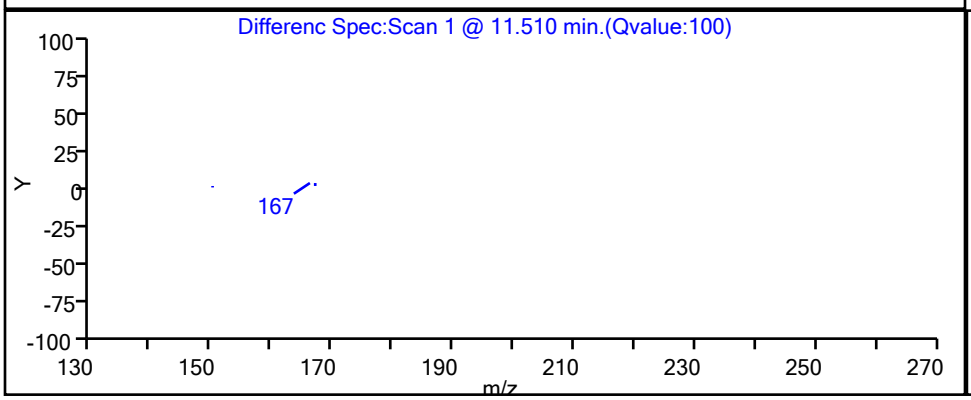


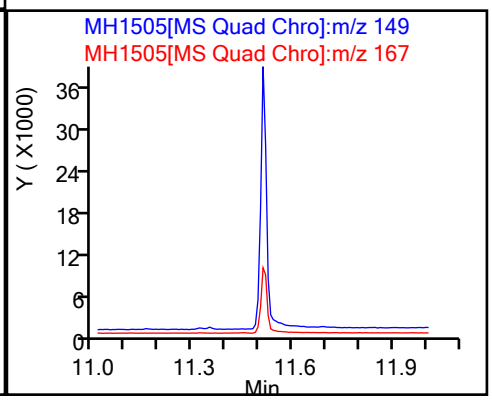










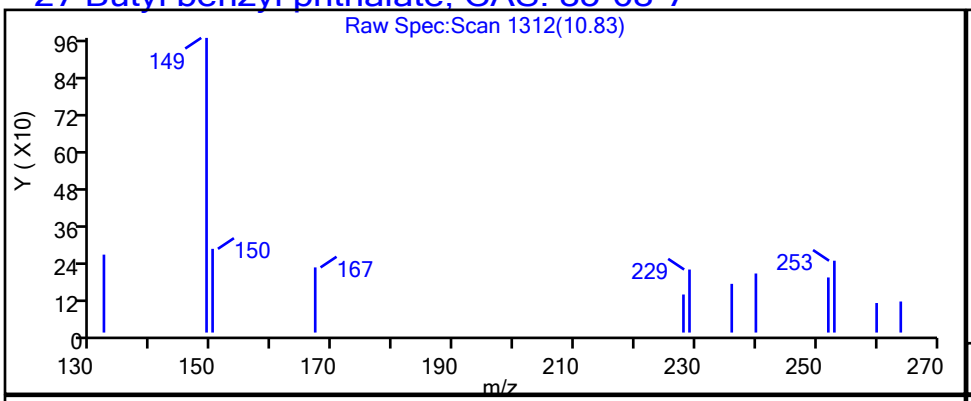


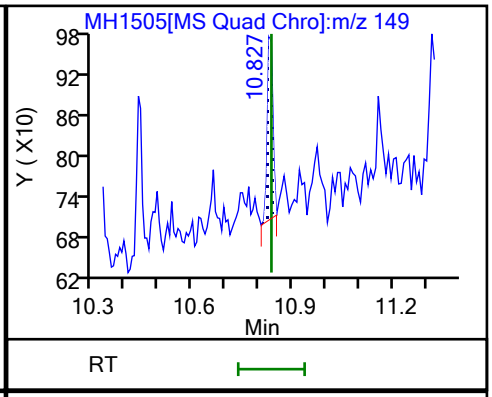
Report Date: 22-Aug-2022 19:18:44 Chrom Revision: 2.3 21-Aug-2022 20:49:52

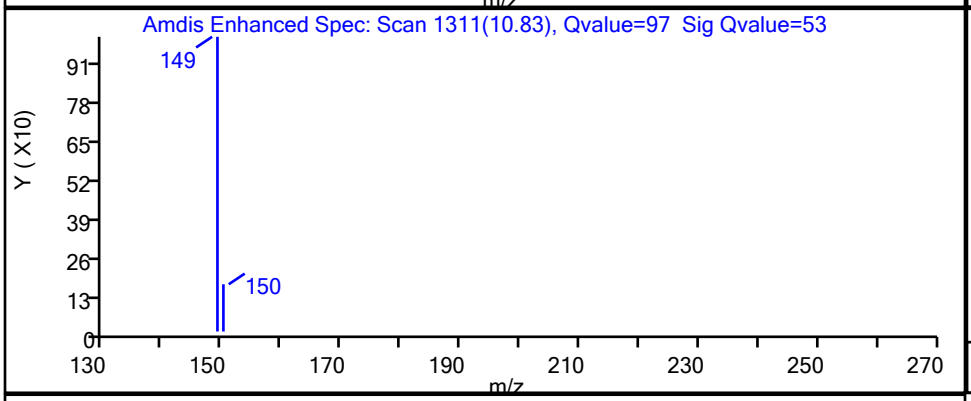
Eurofins Lancaster Laboratories Environment Testing, LLC

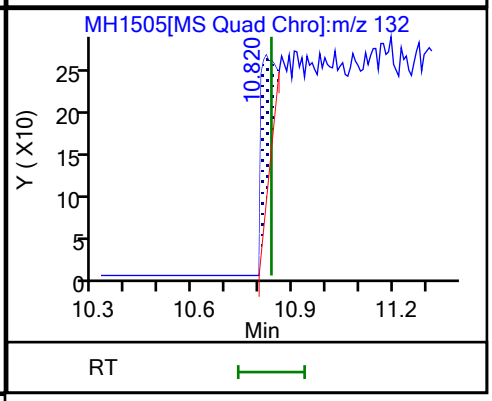
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1505.D				
Injection Date:	22-Aug-2022 08:44:16	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-C RE	Lab Sample ID:	410-94417-1		
Client ID:	FBS010_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

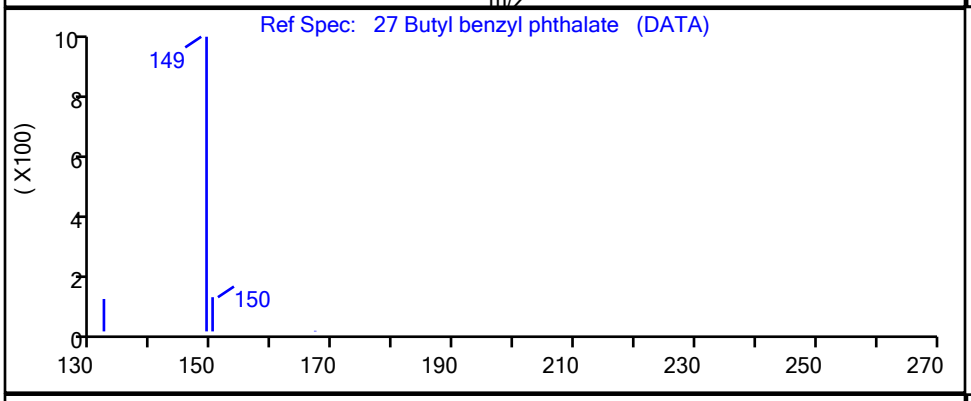
27 Butyl benzyl phthalate, CAS: 85-68-7

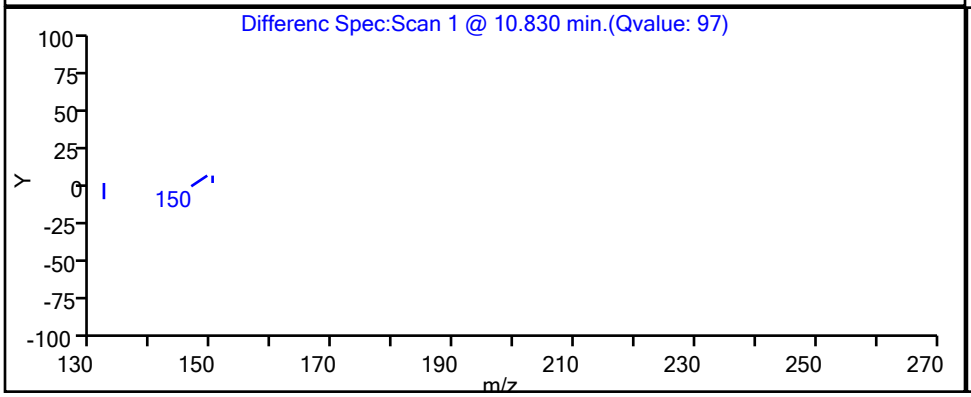


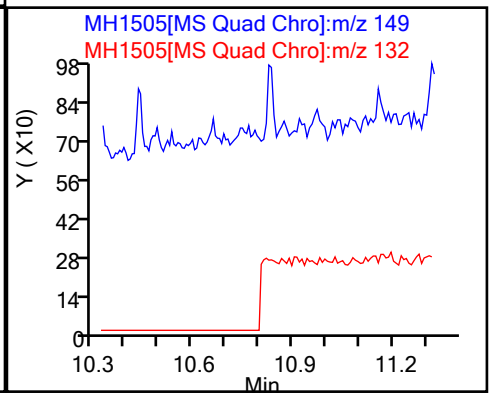












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

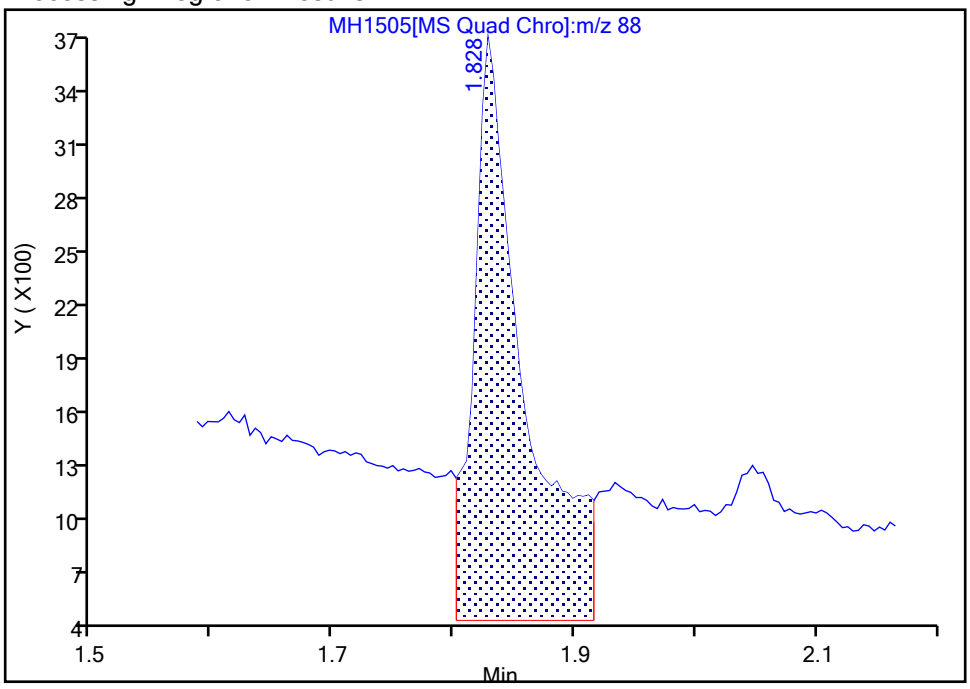
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1505.D				
Injection Date:	22-Aug-2022 08:44:16	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-C RE	Lab Sample ID:	410-94417-1		
Client ID:	FBS010_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

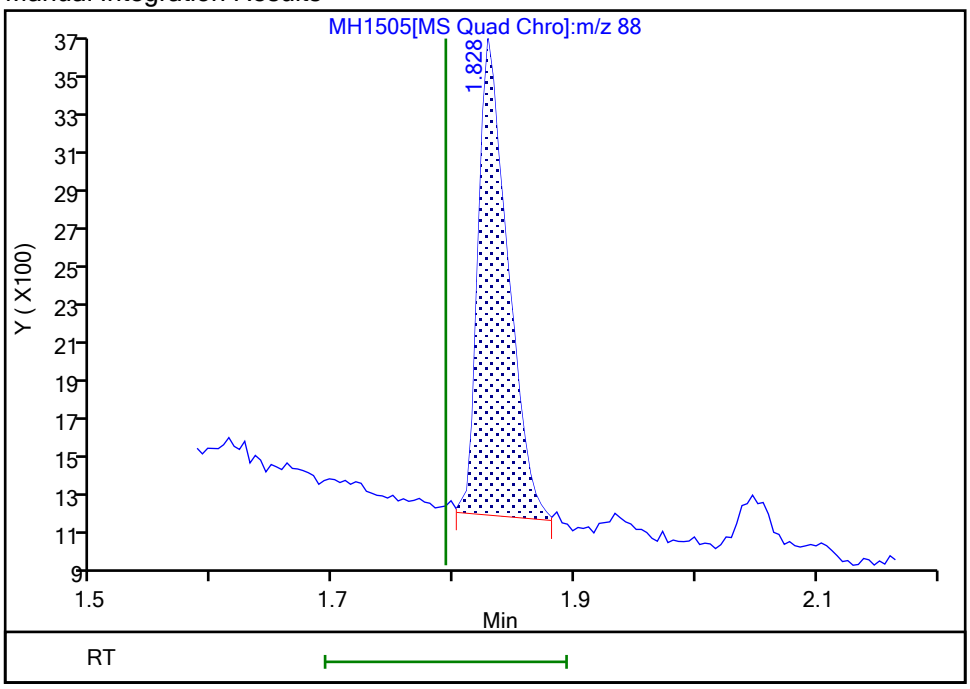
Processing Integration Results

RT: 1.83
Area: 9173
Amount: 0.048769
Amount Units: ug/ml



Manual Integration Results

RT: 1.83
Area: 4178
Amount: 0.022213
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:29:46

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

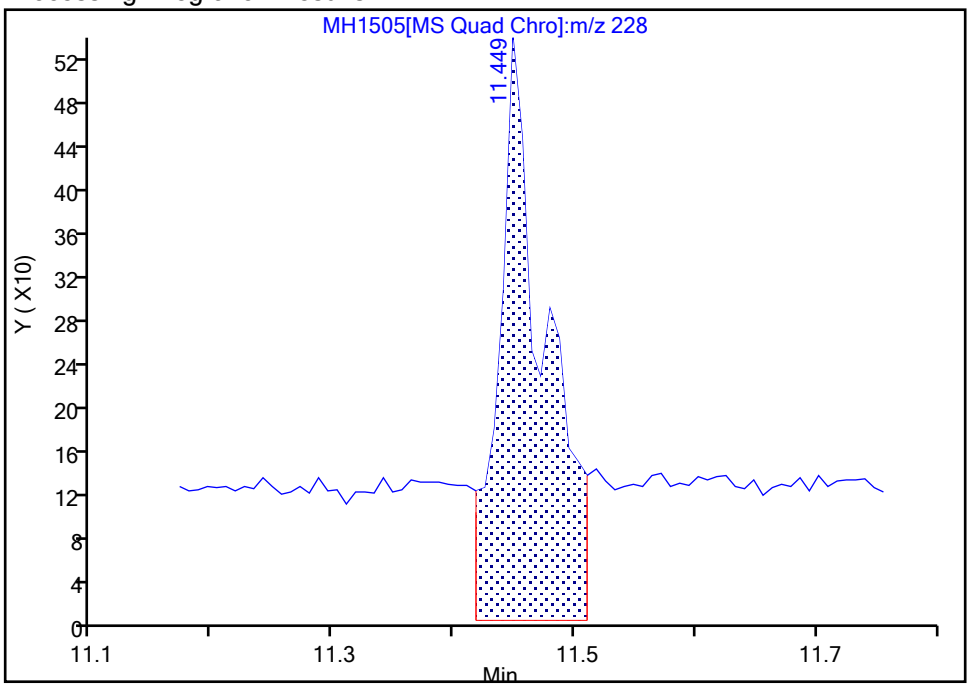
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1505.D				
Injection Date:	22-Aug-2022 08:44:16	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-C RE	Lab Sample ID:	410-94417-1		
Client ID:	FBS010_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

28 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

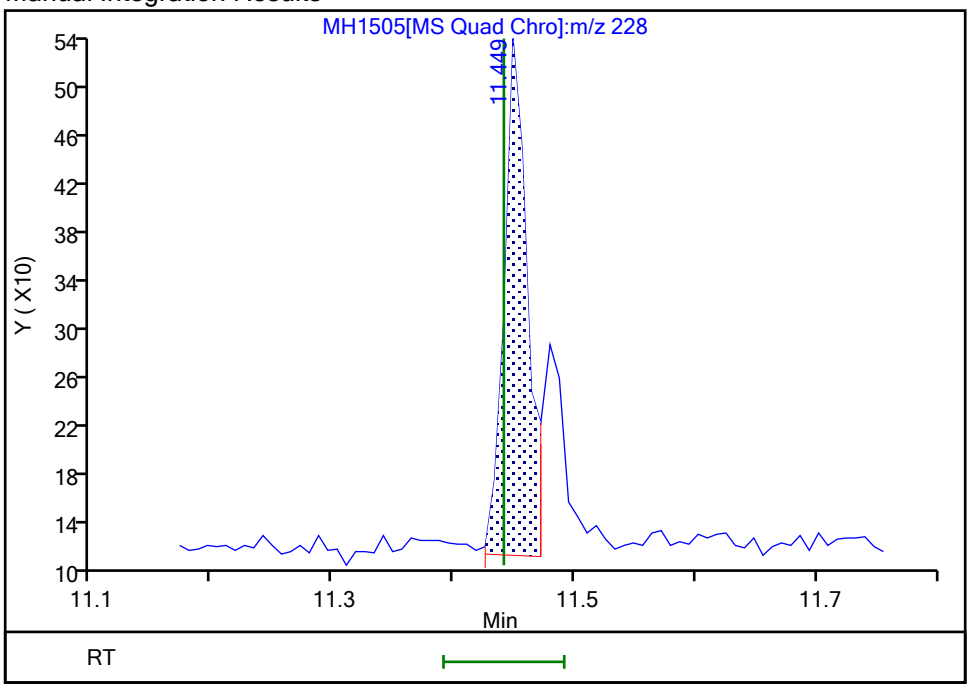
Processing Integration Results

RT: 11.45
Area: 1383
Amount: 0.001649
Amount Units: ug/ml



Manual Integration Results

RT: 11.45
Area: 544
Amount: 0.000649
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:30:44

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

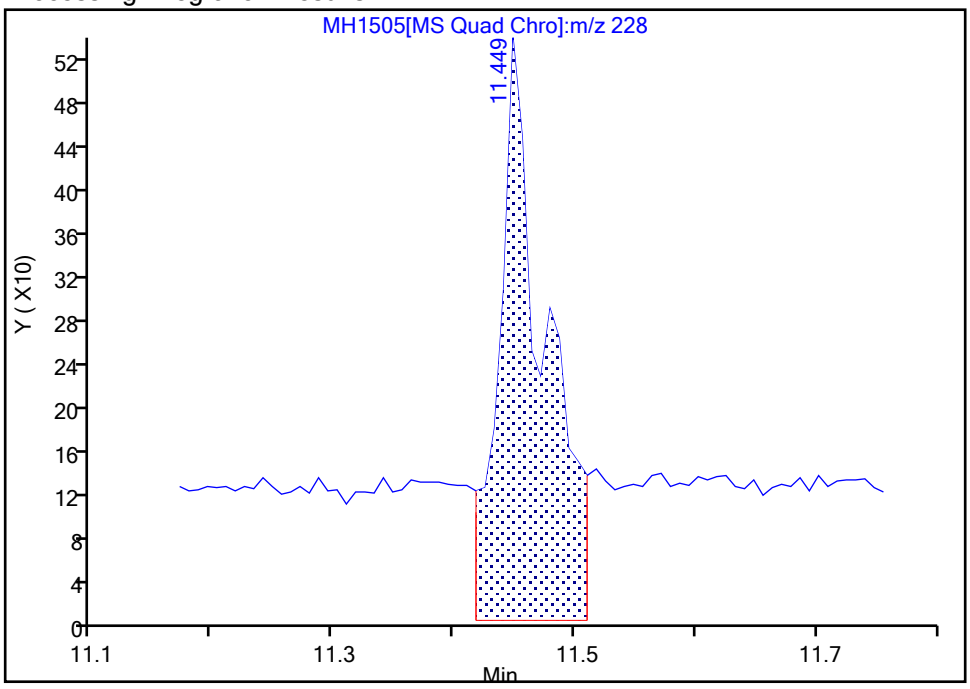
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1505.D				
Injection Date:	22-Aug-2022 08:44:16	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-C RE	Lab Sample ID:	410-94417-1		
Client ID:	FBS010_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

30 Chrysene, CAS: 218-01-9

Signal: 1

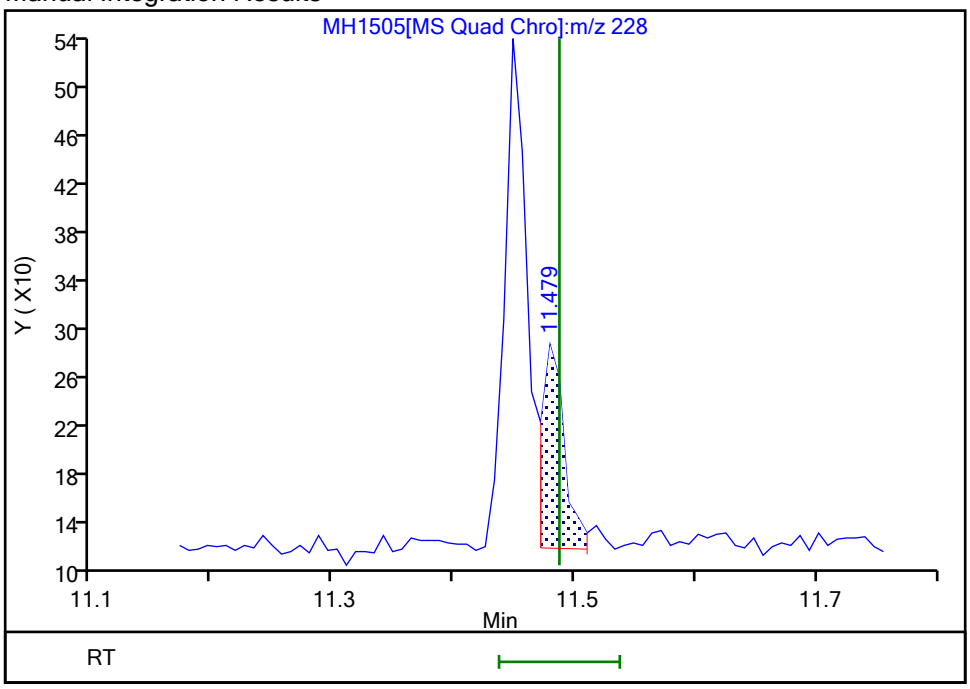
Processing Integration Results

RT: 11.45
Area: 1383
Amount: 0.001476
Amount Units: ug/ml



Manual Integration Results

RT: 11.48
Area: 194
Amount: 0.000207
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:30:53

Audit Action: Manually Integrated Audit Reason: Baseline

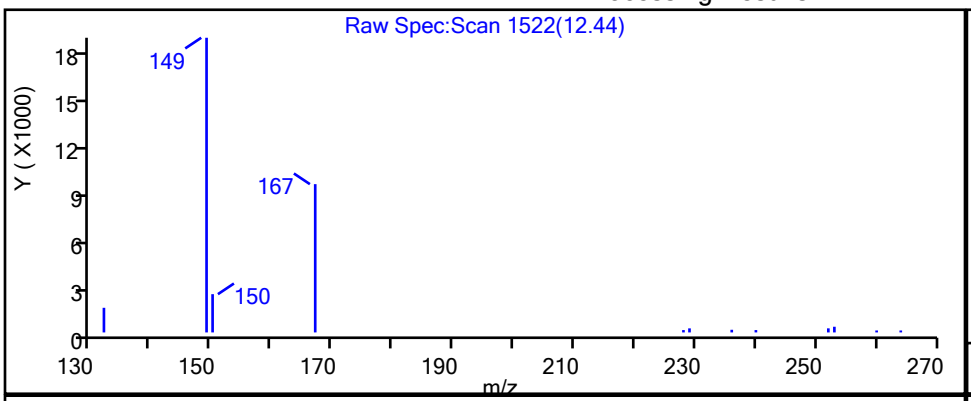
User Disabled Compound Report

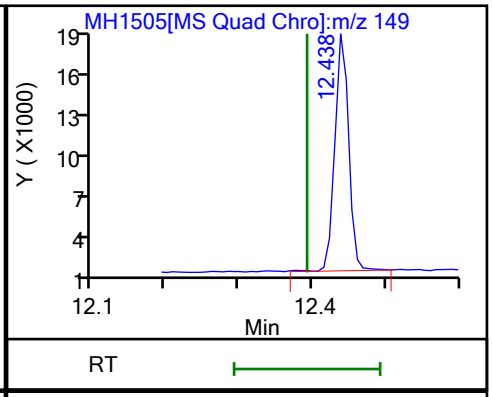
Eurofins Lancaster Laboratories Environment Testing, LLC

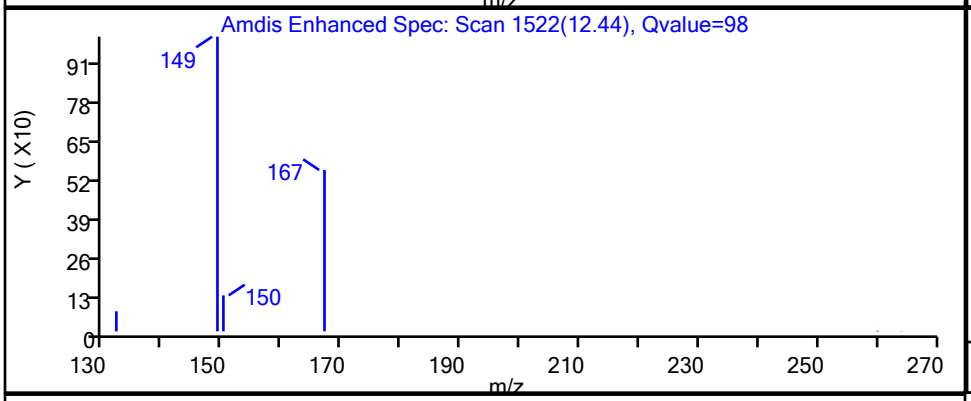
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1505.D				
Injection Date:	22-Aug-2022 08:44:16	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-C RE	Lab Sample ID:	410-94417-1		
Client ID:	FBS010_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

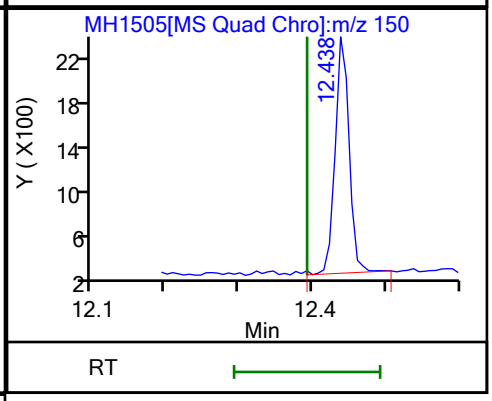
32 Di-n-octyl phthalate, CAS: 117-84-0

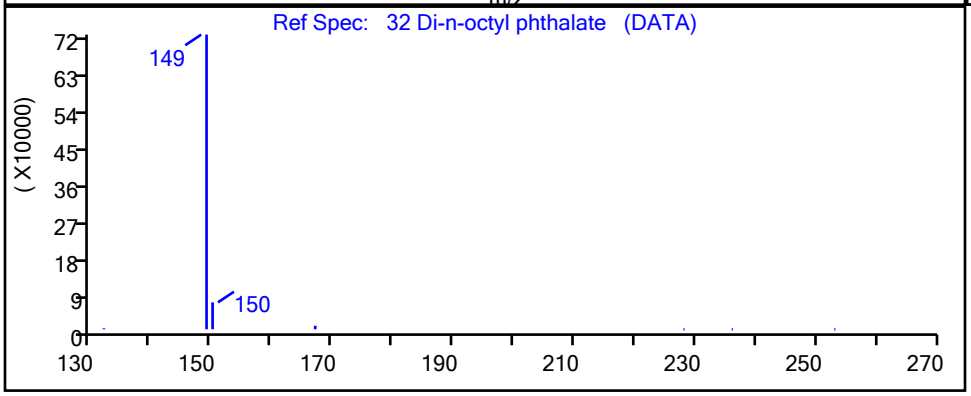
Processing Results











RT	Mass	Response	Amount
12.44	149.00	22568	0.080306
12.44	150.00	2772	

Reviewer: SJ89, 22-Aug-2022 18:30:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

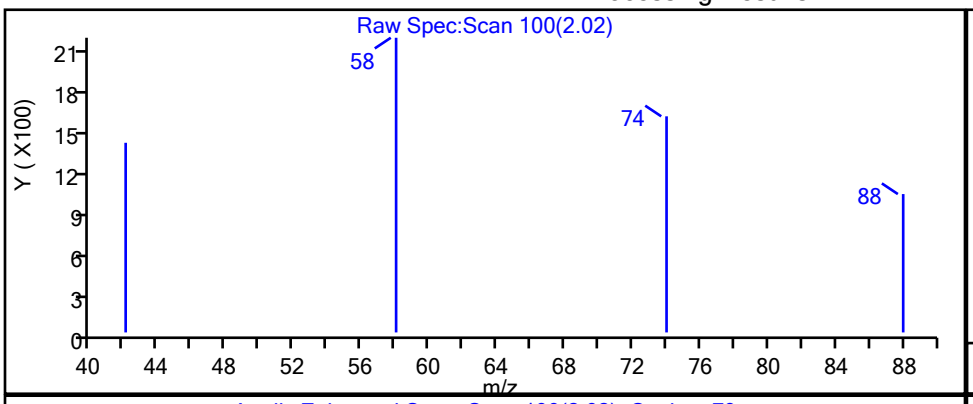
User Disabled Compound Report

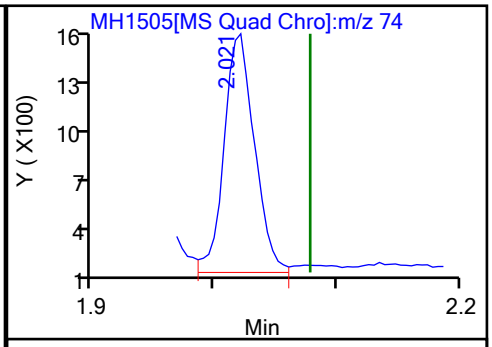
Eurofins Lancaster Laboratories Environment Testing, LLC

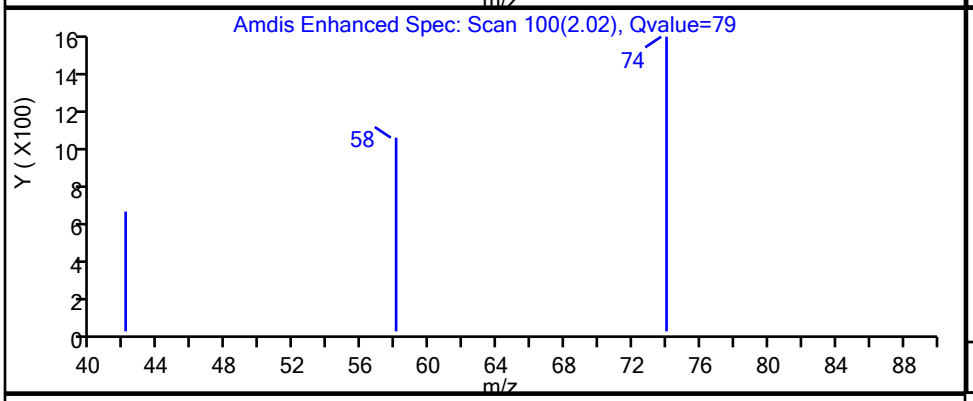
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1505.D				
Injection Date:	22-Aug-2022 08:44:16	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-C RE	Lab Sample ID:	410-94417-1		
Client ID:	FBS010_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

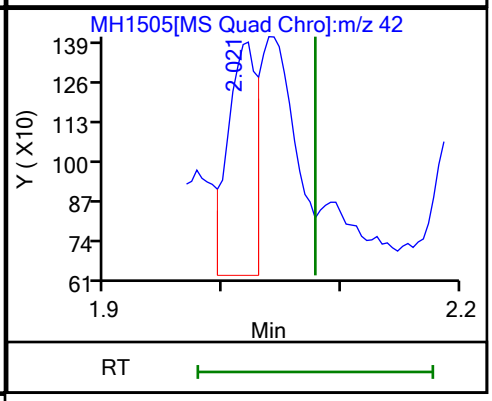
2 N-Nitrosodimethylamine, CAS: 62-75-9

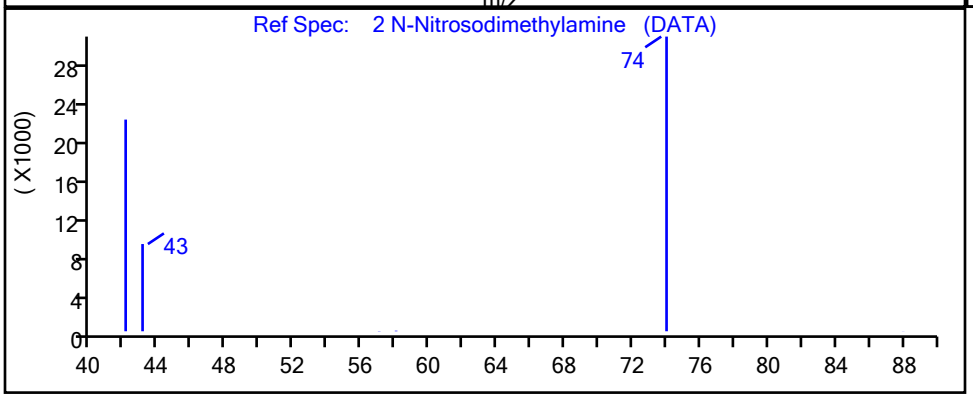
Processing Results











RT	Mass	Response	Amount
2.02	74.00	2441	0.010604
2.02	42.00	1245	

Reviewer: SJ89, 22-Aug-2022 18:29:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBW001_082022
Lab Sample ID: 410-94417-2

Matrix: Water
Lab File ID: MH1426.D

Analysis Method: 8270D SIM
Date Collected: 08/11/2022 11:43

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 246.6(mL)
Date Analyzed: 08/19/2022 04:45

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287573
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.30	0.10
90-12-0	1-Methylnaphthalene	ND		0.051	0.020
91-57-6	2-Methylnaphthalene	ND		0.051	0.020
83-32-9	Acenaphthene	ND		0.051	0.010
208-96-8	Acenaphthylene	ND		0.051	0.010
120-12-7	Anthracene	ND		0.051	0.010
56-55-3	Benzo[a]anthracene	ND		0.051	0.010
50-32-8	Benzo[a]pyrene	ND		0.051	0.010
205-99-2	Benzo[b]fluoranthene	ND		0.051	0.010
191-24-2	Benzo[g,h,i]perylene	ND		0.051	0.010
207-08-9	Benzo[k]fluoranthene	ND		0.051	0.010
111-44-4	Bis(2-chloroethyl)ether	ND		0.051	0.020
85-68-7	Butylbenzylphthalate	ND	cn	1.0	0.051
218-01-9	Chrysene	ND		0.051	0.010
53-70-3	Dibenz(a,h)anthracene	ND		0.051	0.020
132-64-9	Dibenzofuran	ND		0.051	0.010
84-66-2	Diethylphthalate	0.14	J	1.0	0.051
131-11-3	Dimethylphthalate	ND		1.0	0.051
117-84-0	Di-n-octyl phthalate	ND		1.0	0.051
206-44-0	Fluoranthene	ND		0.051	0.010
86-73-7	Fluorene	ND		0.051	0.010
118-74-1	Hexachlorobenzene	ND		0.051	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.051	0.020
91-20-3	Naphthalene	ND		0.071	0.030
62-75-9	N-Nitrosodimethylamine	ND		0.051	0.020
85-01-8	Phenanthrene	ND		0.071	0.030
129-00-0	Pyrene	ND		0.051	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBW001_082022 Lab Sample ID: 410-94417-2

Matrix: Water Lab File ID: MH1426.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 11:43

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 246.6(mL) Date Analyzed: 08/19/2022 04:45

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287573 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	57		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	70		10-110
93951-69-0	Fluoranthene-d10 (Surr)	74		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1426.D
Lims ID: 410-94417-G-2-A
Client ID: FBW001_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 04:45:17 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-2-A
Misc. Info.: 410-0064495-026
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 07:12:32 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:11:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	91	73625	0.2500	
* 5 Naphthalene-d8	136	5.729	5.729	0.000	98	266859	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.455	6.455	0.000	96	86549	0.1419	
* 13 Acenaphthene-d10	164	7.381	7.381	0.000	94	135864	0.2500	
16 Diethyl phthalate	149	7.800	7.793	0.000	98	22196	0.0343	
* 20 Phenanthrene-d10	188	8.791	8.799	-0.008	95	233249	0.2500	
23 Di-n-butyl phthalate	149	9.358	9.356	-0.006	100	2969050	3.46	
$ 24 Fluoranthene-d10 (Surr)	212	9.929	9.926	-0.007	99	181653	0.1849	
* 29 Chrysene-d12	240	11.466	11.466	0.000	55	197647	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.519	11.527	-0.008	100	47898	0.1555	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.299	13.299	-0.007	100	121391	0.1741	
* 38 Perylene-d12	264	13.414	13.421	-0.007	100	188659	0.2500	

QC Flag Legend

Processing Flags

Reagents:

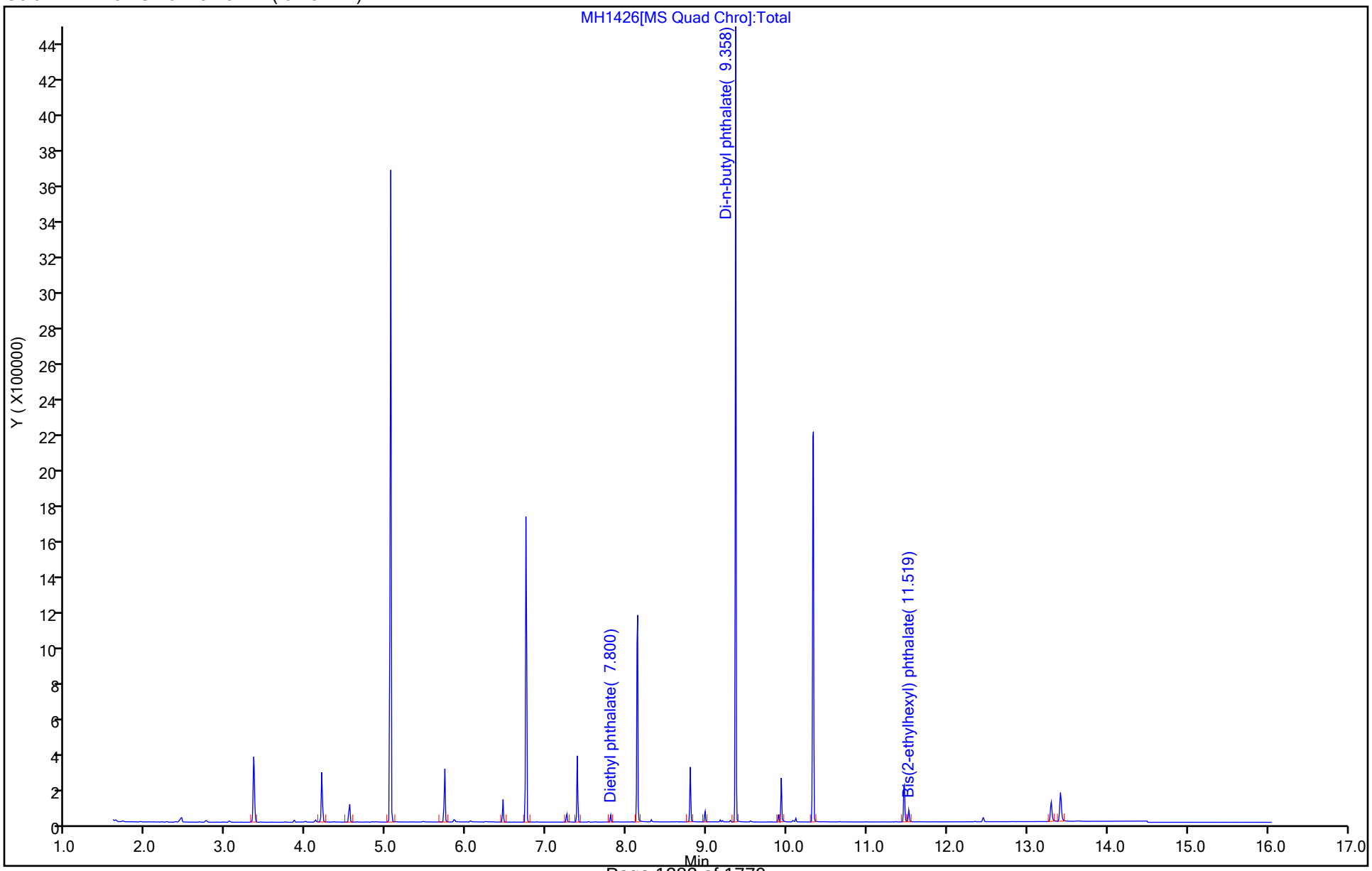
MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 19-Aug-2022 07:13:21 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1426.D				
Injection Date:	19-Aug-2022 04:45:17	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	410-94417-G-2-A	Lab Sample ID:	410-94417-2	Worklist Smp#:	26
Client ID:	FBW001_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1426.D				
Lims ID:	410-94417-G-2-A				
Client ID:	FBW001_082022				
Sample Type:	Client				
Inject. Date:	19-Aug-2022 04:45:17	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-94417-G-2-A				
Misc. Info.:	410-0064495-026				
Operator ID:	kel10217	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	19-Aug-2022 07:12:32	Calib Date:	28-Jul-2022 21:32:00		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1625				

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:11:59

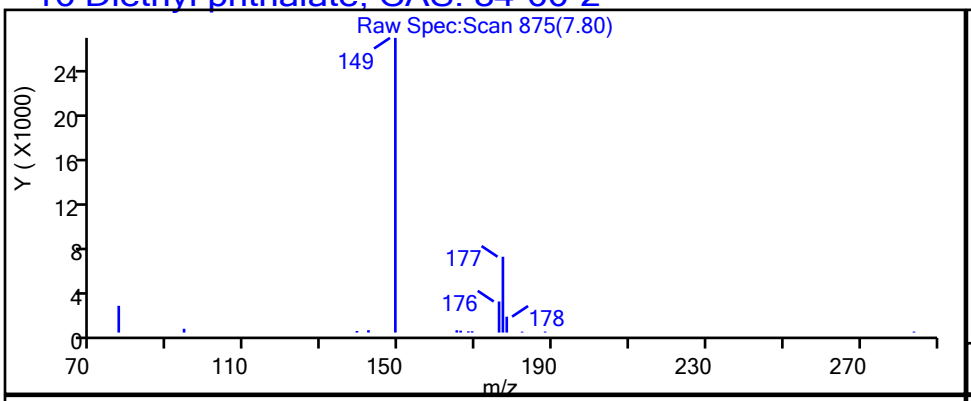
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1419	56.77
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1849	73.94
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1741	69.62

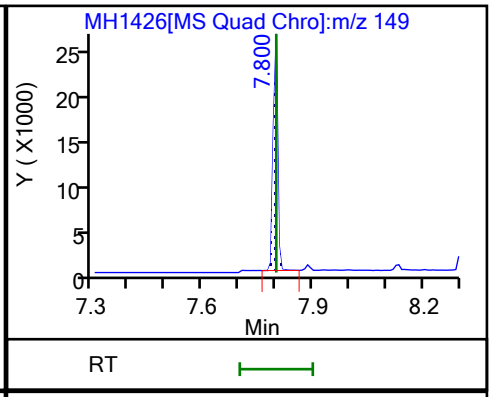
Report Date: 19-Aug-2022 07:13:21 Chrom Revision: 2.3 08-Aug-2022 16:03:06

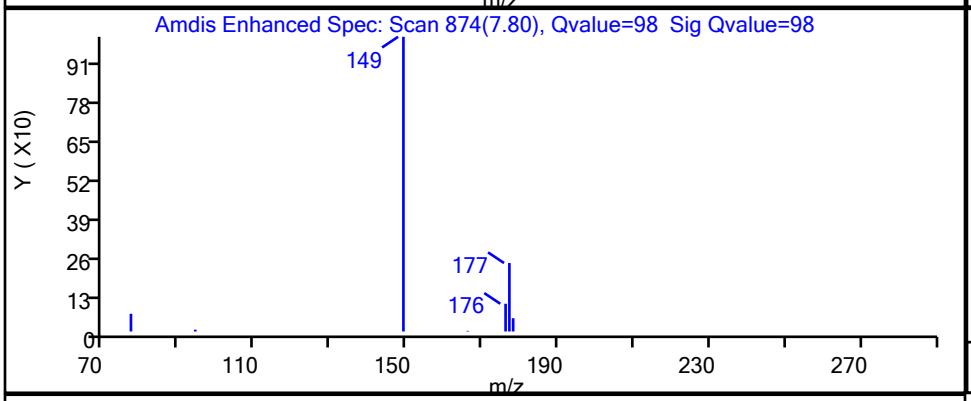
Eurofins Lancaster Laboratories Environment Testing, LLC

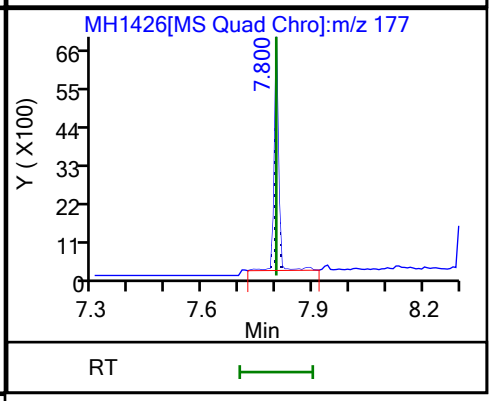
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1426.D				
Injection Date:	19-Aug-2022 04:45:17	Instrument ID:	HP21585		
Lims ID:	410-94417-G-2-A	Lab Sample ID:	410-94417-2		
Client ID:	FBW001_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

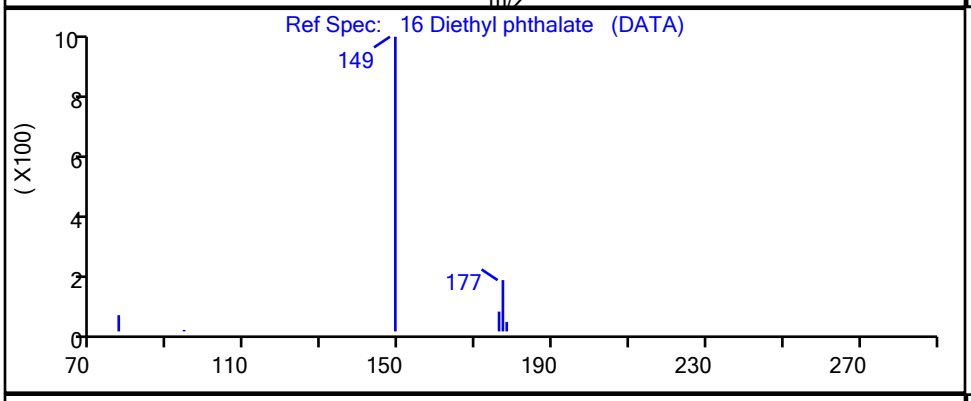
16 Diethyl phthalate, CAS: 84-66-2

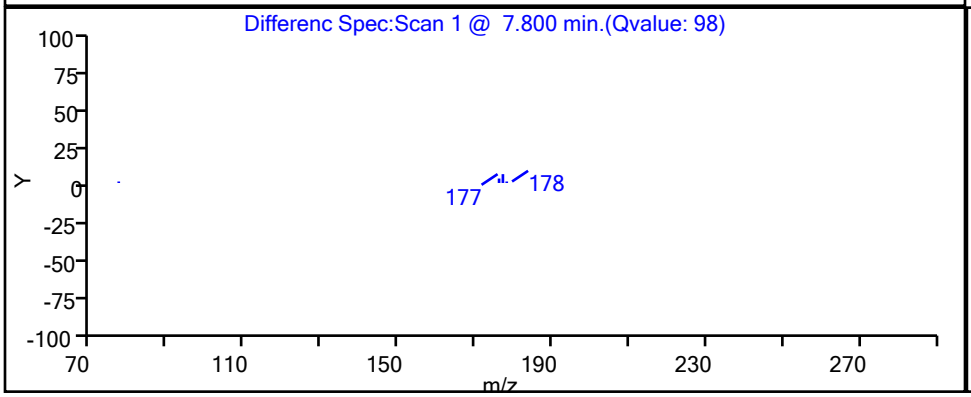


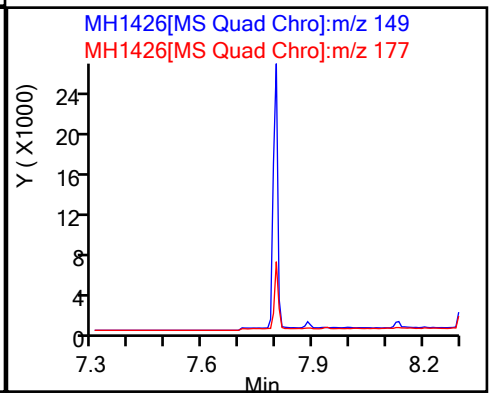












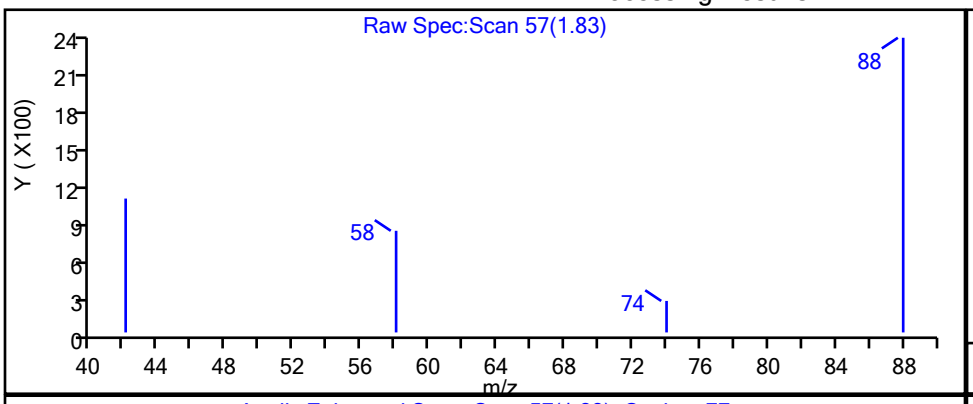
User Disabled Compound Report

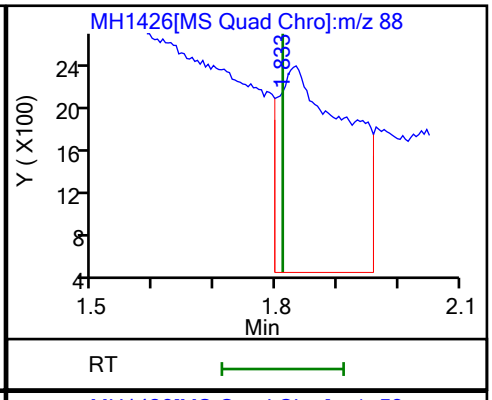
Eurofins Lancaster Laboratories Environment Testing, LLC

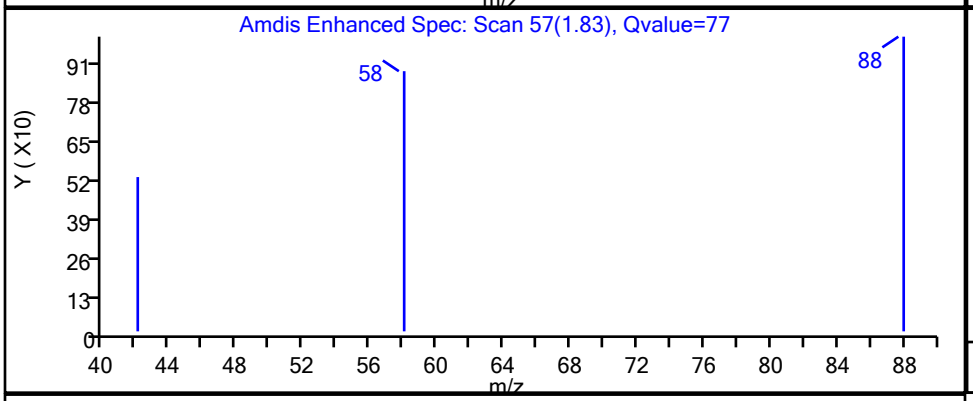
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1426.D				
Injection Date:	19-Aug-2022 04:45:17	Instrument ID:	HP21585		
Lims ID:	410-94417-G-2-A	Lab Sample ID:	410-94417-2		
Client ID:	FBW001_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

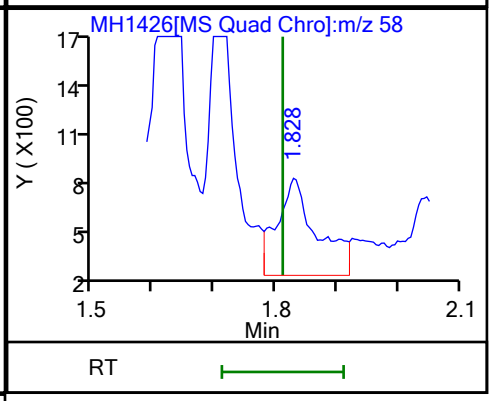
1 1,4-Dioxane, CAS: 123-91-1

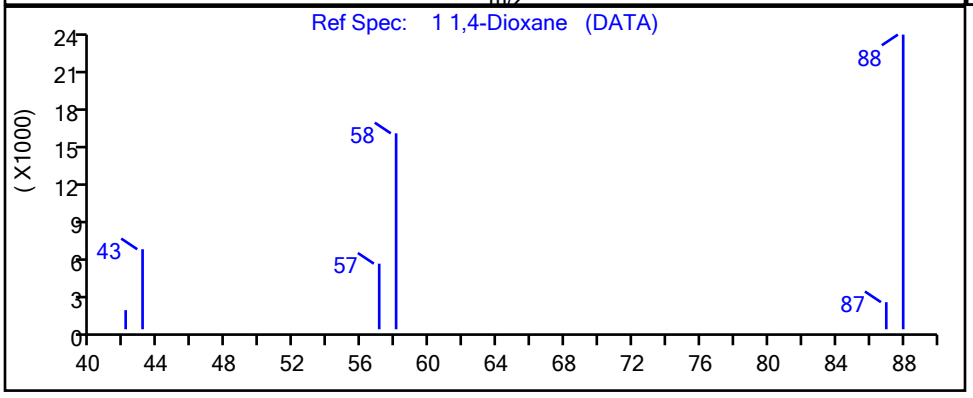
Processing Results











RT	Mass	Response	Amount
1.83	88.00	14895	0.071936
1.83	58.00	2519	

Reviewer: UJM0, 19-Aug-2022 07:11:37

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

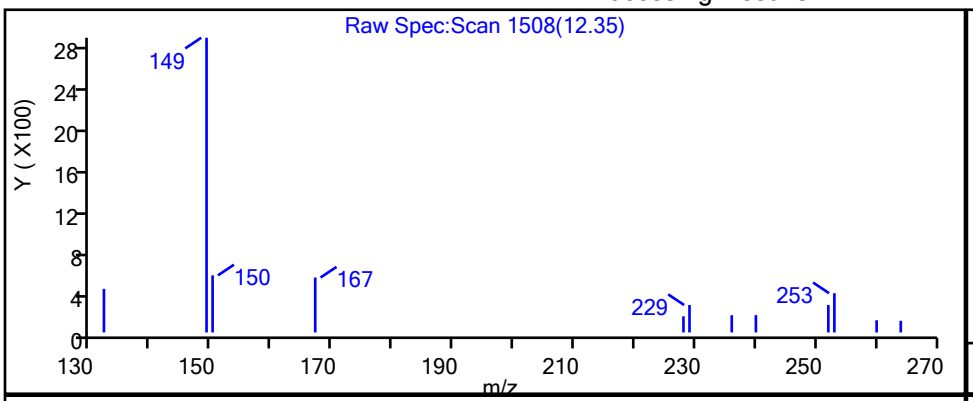
User Disabled Compound Report

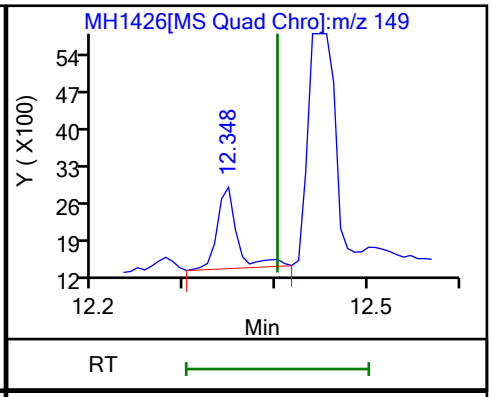
Eurofins Lancaster Laboratories Environment Testing, LLC

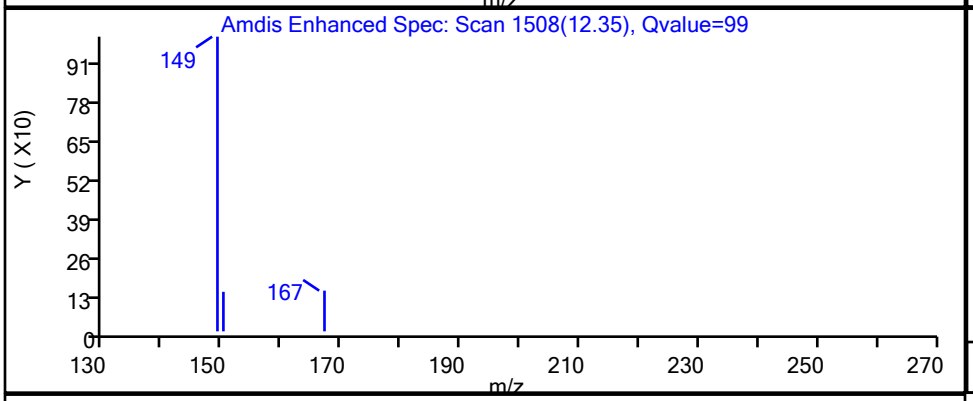
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1426.D				
Injection Date:	19-Aug-2022 04:45:17	Instrument ID:	HP21585		
Lims ID:	410-94417-G-2-A	Lab Sample ID:	410-94417-2		
Client ID:	FBW001_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

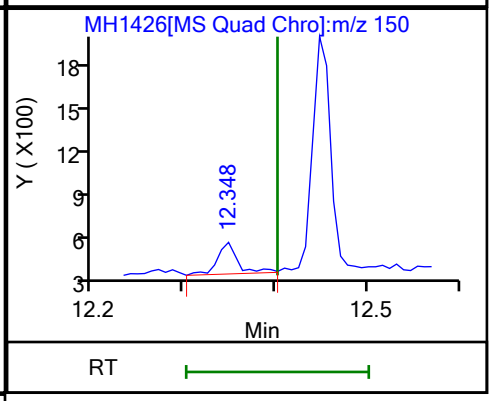
32 Di-n-octyl phthalate, CAS: 117-84-0

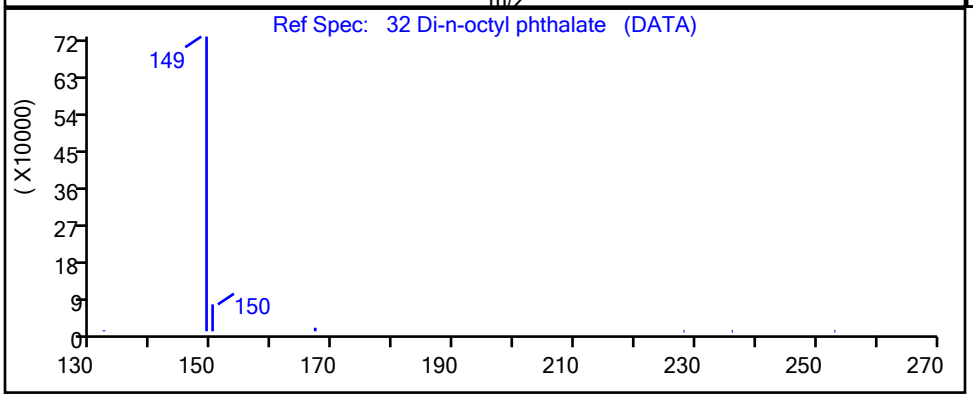
Processing Results











RT	Mass	Response	Amount
12.35	149.00	2298	0.044718
12.35	150.00	323	

Reviewer: UJM0, 19-Aug-2022 07:11:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBW001_082022 RA Lab Sample ID: 410-94417-2 RA

Matrix: Water Lab File ID: NH1308.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 11:43

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 246.6(mL) Date Analyzed: 08/19/2022 07:24

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.43	J B * + cn	1.0	0.051
84-74-2	Di-n-butyl phthalate	11	B *+ cn	1.0	0.051

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	59		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	71		10-110
93951-69-0	Fluoranthene-d10 (Surr)	68		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1308.D
Lims ID: 410-94417-G-2-A
Client ID: FBW001_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 07:24:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-2-A
Misc. Info.: 410-0064507-009
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:49:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.355	4.367	-0.012	85	65253	0.2500	
* 5 Naphthalene-d8	136	5.579	5.579	0.000	100	213983	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.317	6.314	0.003	98	69274	0.1485	
* 13 Acenaphthene-d10	164	7.238	7.246	-0.008	86	101469	0.2500	
16 Diethyl phthalate	149	7.667	7.672	0.003	99	19211	0.0417	
* 20 Phenanthrene-d10	188	8.647	8.653	-0.006	99	171175	0.2500	
23 Di-n-butyl phthalate	149	9.228	9.227	0.001	100	1777488	2.80	
$ 24 Fluoranthene-d10 (Surr)	212	9.780	9.785	-0.005	100	117879	0.1701	
* 29 Chrysene-d12	240	11.258	11.257	0.001	81	120900	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.327	11.334	0.001	99	34783	0.1071	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.022	13.021	0.001	99	76965	0.1773	
* 38 Perylene-d12	264	13.137	13.136	0.001	96	114892	0.2500	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

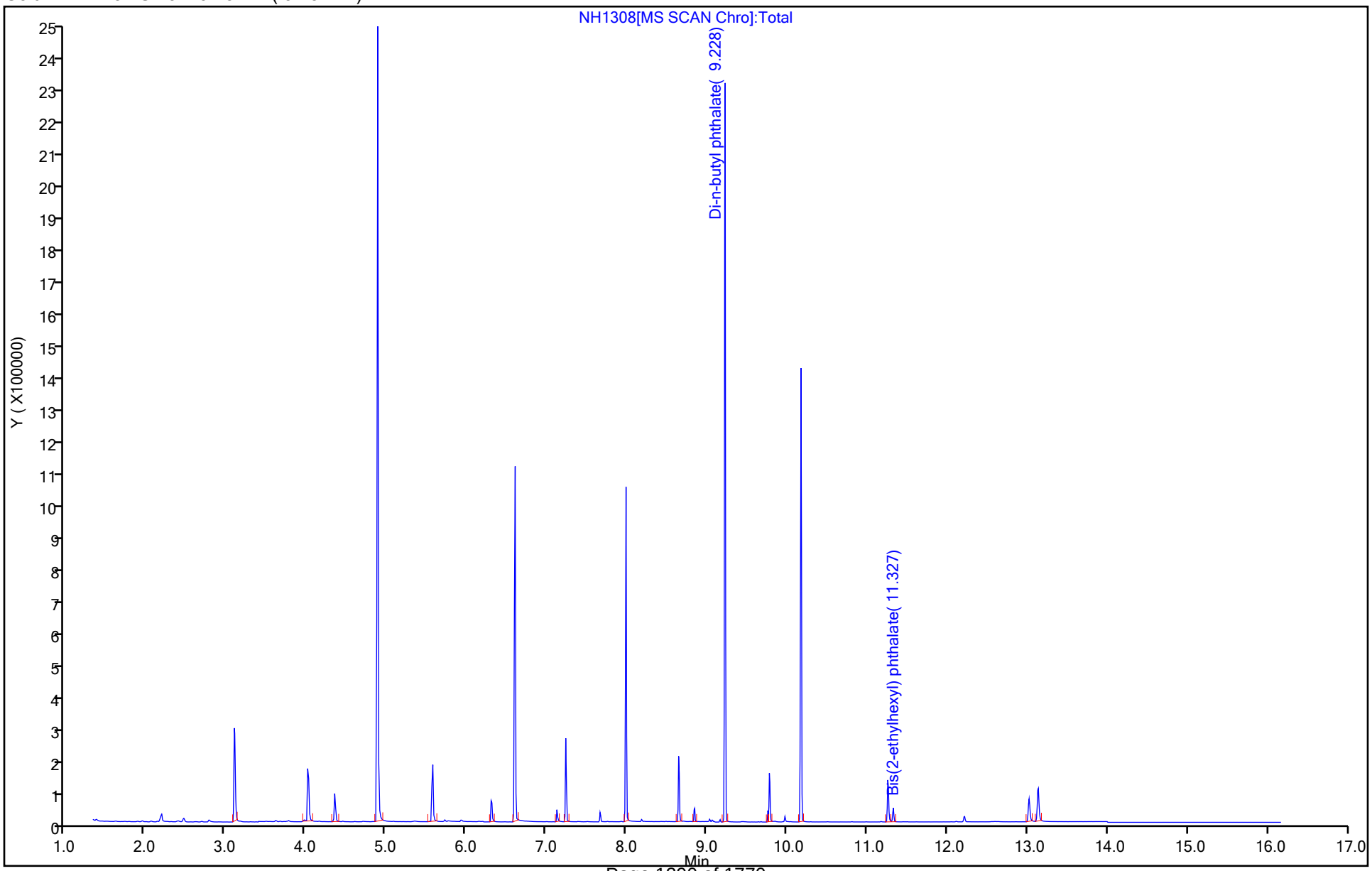
Report Date: 19-Aug-2022 08:31:05 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1308.D

Injection Date:	19-Aug-2022 07:24:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-94417-G-2-A	Lab Sample ID:	410-94417-2	Worklist Smp#:	9
Client ID:	FBW001_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1308.D
Lims ID: 410-94417-G-2-A
Client ID: FBW001_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 07:24:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-2-A
Misc. Info.: 410-0064507-009
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:49:19

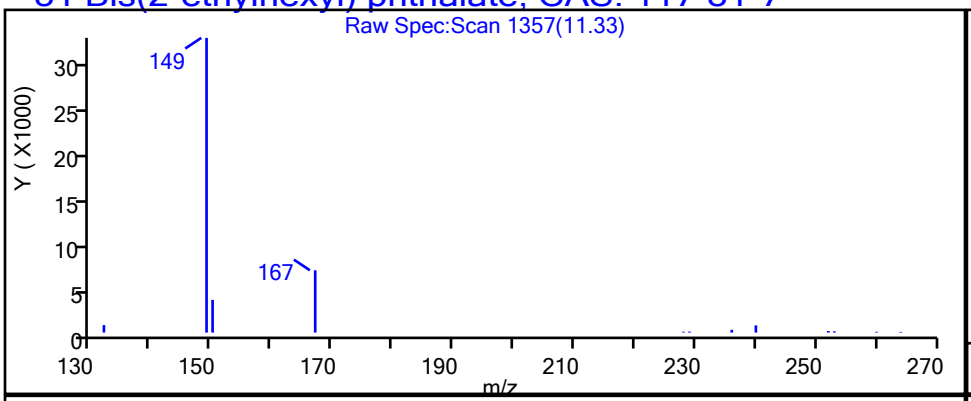
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1485	59.41
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1701	68.03
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1773	70.93

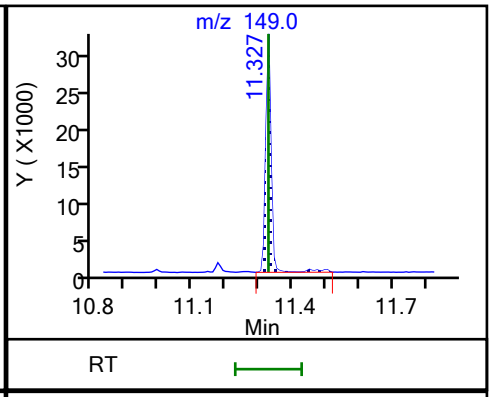
Report Date: 19-Aug-2022 08:31:05 Chrom Revision: 2.3 08-Aug-2022 16:03:06

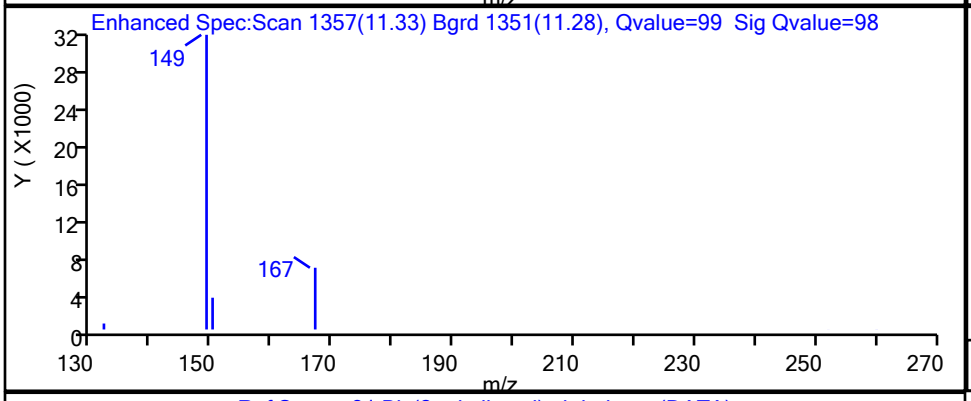
Eurofins Lancaster Laboratories Environment Testing, LLC

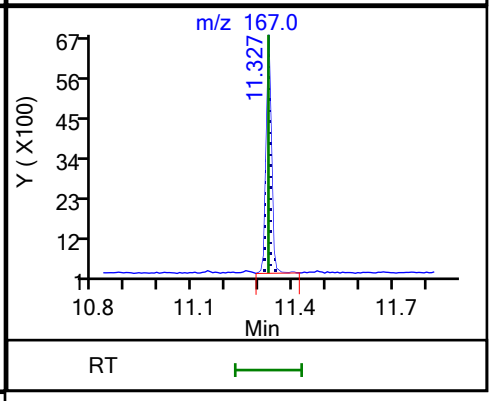
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1308.D				
Injection Date:	19-Aug-2022 07:24:30	Instrument ID:	HP23263		
Lims ID:	410-94417-G-2-A	Lab Sample ID:	410-94417-2		
Client ID:	FBW001_082022				
Operator ID:	jmg00346	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

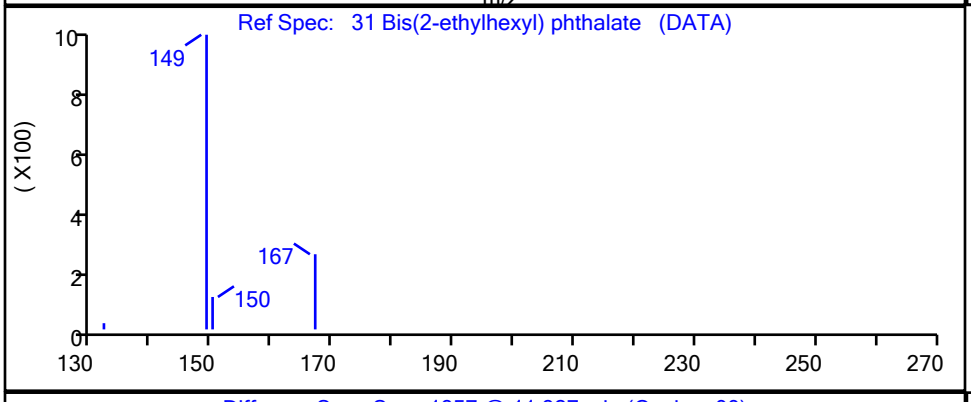
31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

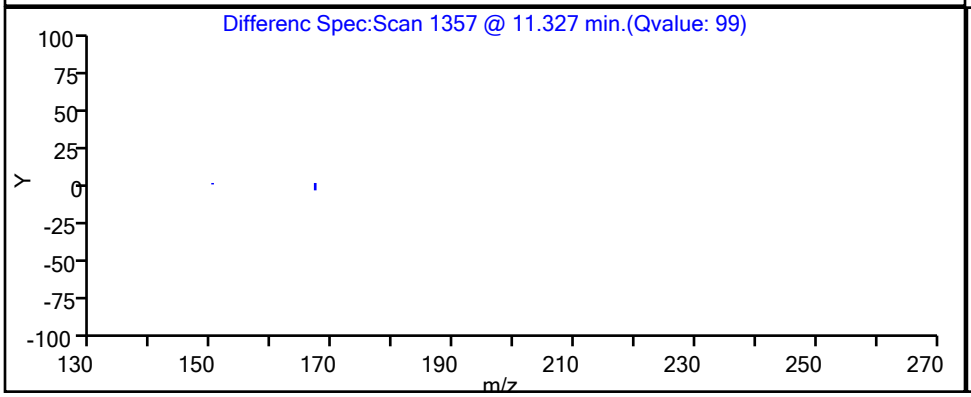


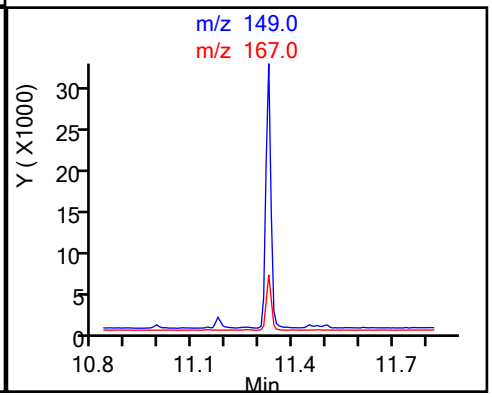










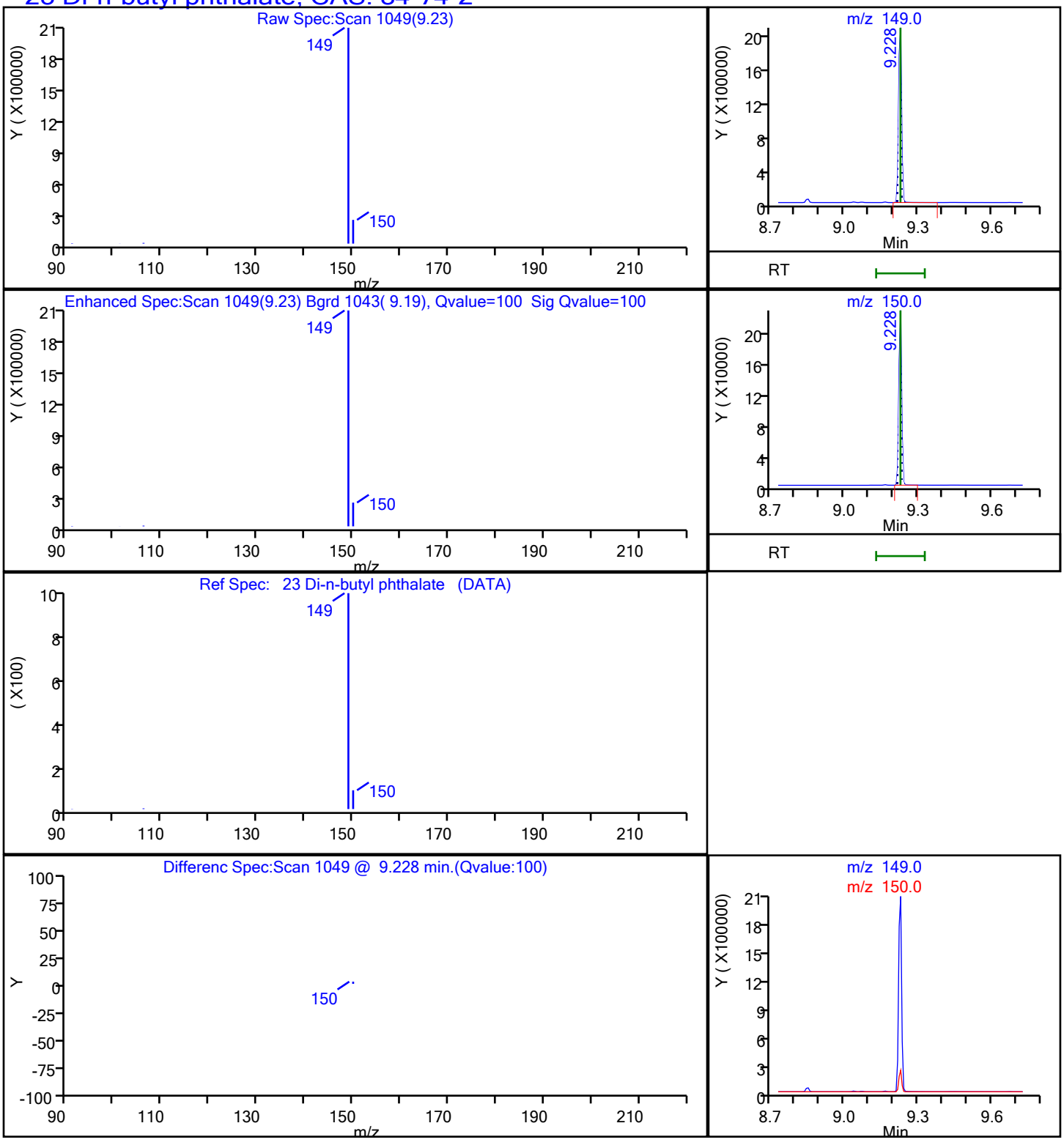


Report Date: 19-Aug-2022 08:31:05 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1308.D		
Injection Date:	19-Aug-2022 07:24:30	Instrument ID:	HP23263
Lims ID:	410-94417-G-2-A	Lab Sample ID:	410-94417-2
Client ID:	FBW001_082022		
Operator ID:	jmg00346	ALS Bottle#:	9 Worklist Smp#: 9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

23 Di-n-butyl phthalate, CAS: 84-74-2



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBW001_082022 RE
Lab Sample ID: 410-94417-2 RE

Matrix: Water
Lab File ID: MH1511.D

Analysis Method: 8270D SIM
Date Collected: 08/11/2022 11:43

Extract. Method: 3510C
Date Extracted: 08/21/2022 10:35

Sample wt/vol: 242.2(mL)
Date Analyzed: 08/22/2022 10:52

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 288195
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND	H	0.31	0.10
90-12-0	1-Methylnaphthalene	ND	H	0.052	0.021
91-57-6	2-Methylnaphthalene	ND	H	0.052	0.021
83-32-9	Acenaphthene	ND	H	0.052	0.010
208-96-8	Acenaphthylene	ND	H	0.052	0.010
120-12-7	Anthracene	ND	H	0.052	0.010
56-55-3	Benzo[a]anthracene	ND	H	0.052	0.010
50-32-8	Benzo[a]pyrene	ND	H	0.052	0.010
205-99-2	Benzo[b]fluoranthene	ND	H	0.052	0.010
191-24-2	Benzo[g,h,i]perylene	ND	H	0.052	0.010
207-08-9	Benzo[k]fluoranthene	ND	H	0.052	0.010
111-44-4	Bis(2-chloroethyl)ether	ND	H	0.052	0.021
117-81-7	Bis(2-ethylhexyl) phthalate	0.53	J *+ H B	1.0	0.052
85-68-7	Butylbenzylphthalate	ND	H	1.0	0.052
218-01-9	Chrysene	ND	H	0.052	0.010
53-70-3	Dibenz(a,h)anthracene	ND	H	0.052	0.021
132-64-9	Dibenzofuran	ND	H	0.052	0.010
84-66-2	Diethylphthalate	ND	H	1.0	0.052
131-11-3	Dimethylphthalate	ND	H	1.0	0.052
84-74-2	Di-n-butyl phthalate	ND	H	1.0	0.052
117-84-0	Di-n-octyl phthalate	ND	H	1.0	0.052
206-44-0	Fluoranthene	ND	H	0.052	0.010
86-73-7	Fluorene	ND	H	0.052	0.010
118-74-1	Hexachlorobenzene	ND	H	0.052	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	0.052	0.021
91-20-3	Naphthalene	ND	H	0.072	0.031
62-75-9	N-Nitrosodimethylamine	ND	H	0.052	0.021
85-01-8	Phenanthrene	ND	H	0.072	0.031
129-00-0	Pyrene	ND	H	0.052	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBW001_082022 RE Lab Sample ID: 410-94417-2 RE

Matrix: Water Lab File ID: MH1511.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 11:43

Extract. Method: 3510C Date Extracted: 08/21/2022 10:35

Sample wt/vol: 242.2(mL) Date Analyzed: 08/22/2022 10:52

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 288195 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	74		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	78		10-110
93951-69-0	Fluoranthene-d10 (Surr)	82		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1511.D
Lims ID: 410-94417-D-2-A RE
Client ID: FBW001_082022
Sample Type: Client
Inject. Date: 22-Aug-2022 10:52:57 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-D-2-A
Misc. Info.: 410-0064632-012
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:50:31

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.837	1.819	0.044	88	3371	0.0170	7M
*	4 1,4-Dichlorobenzene-d4	152	4.530	4.530	0.000	75	70309	0.2500	
*	5 Naphthalene-d8	136	5.717	5.717	0.000	91	247847	0.2500	
$	9 1-Methylnaphthalene-d10	152	6.444	6.444	0.000	99	104624	0.1847	
*	13 Acenaphthene-d10	164	7.370	7.380	-0.010	99	124006	0.2500	
	16 Diethyl phthalate	149	7.791	7.791	0.000	100	1550	0.002623	7Ma
*	20 Phenanthrene-d10	188	8.782	8.790	-0.008	95	213978	0.2500	
$	24 Fluoranthene-d10 (Surr)	212	9.921	9.927	-0.006	99	184570	0.2047	
*	29 Chrysene-d12	240	11.456	11.456	0.000	55	187595	0.2500	
	31 Bis(2-ethylhexyl) phthalate	149	11.510	11.518	-0.008	100	34964	0.1282	
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.282	13.312	-0.007	100	150968	0.1952	
*	38 Perylene-d12	264	13.405	13.405	0.001	100	209184	0.2500	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

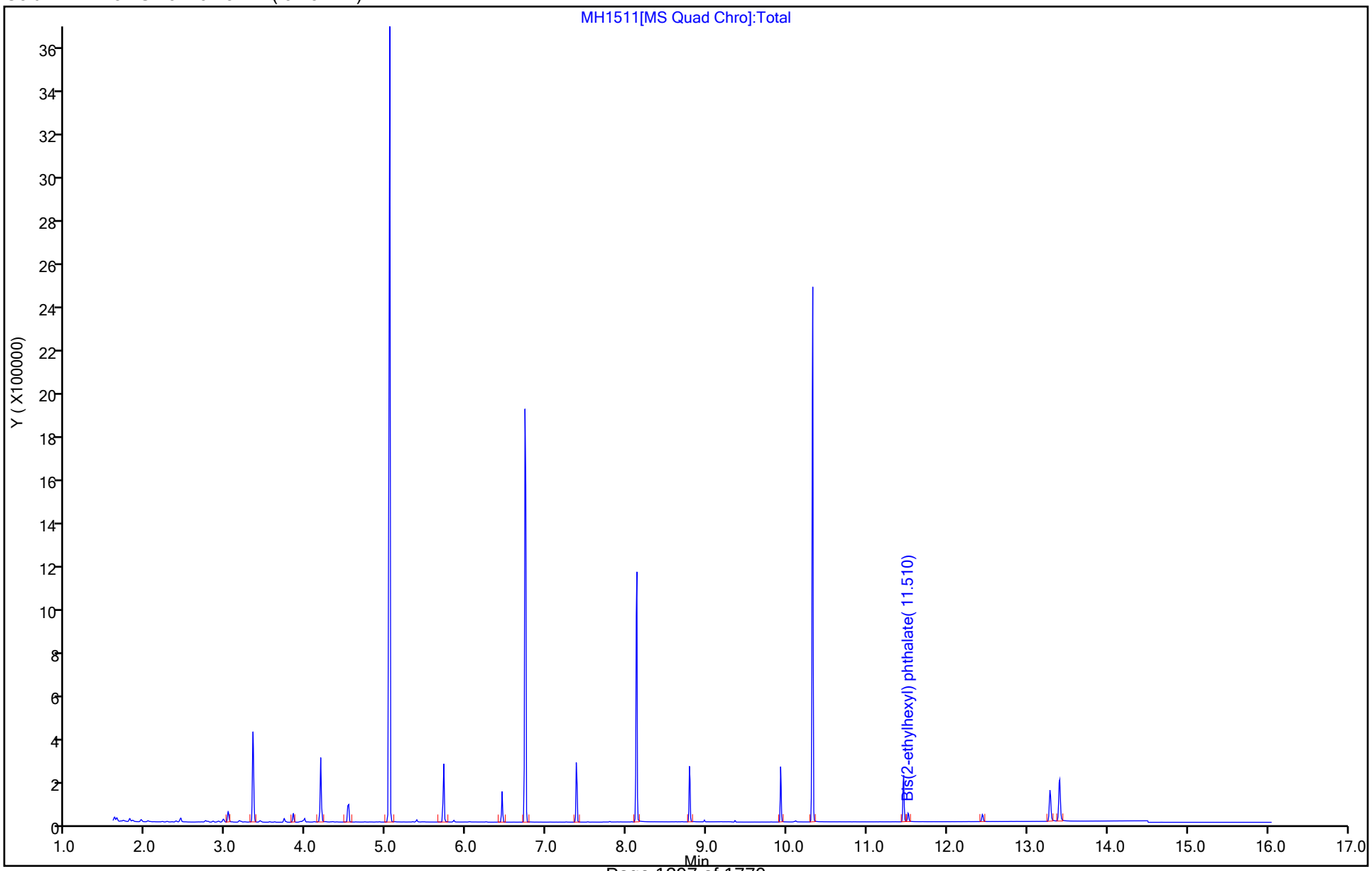
MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 22-Aug-2022 19:18:50 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1511.D				
Injection Date:	22-Aug-2022 10:52:57	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-94417-D-2-A RE	Lab Sample ID:	410-94417-2	Worklist Smp#:	12
Client ID:	FBW001_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Report Date: 22-Aug-2022 19:18:50 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1511.D				
Lims ID:	410-94417-D-2-A RE				
Client ID:	FBW001_082022				
Sample Type:	Client				
Inject. Date:	22-Aug-2022 10:52:57	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-94417-D-2-A				
Misc. Info.:	410-0064632-012				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	22-Aug-2022 19:18:30	Calib Date:	28-Jul-2022 21:32:00		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1611				

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:50:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1847	73.89
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2047	81.89
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1952	78.09

Report Date: 22-Aug-2022 19:18:50 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1511.D

Injection Date: 22-Aug-2022 10:52:57 Instrument ID: HP21585

Lims ID: 410-94417-D-2-A RE Lab Sample ID: 410-94417-2

Client ID: FBW001_082022

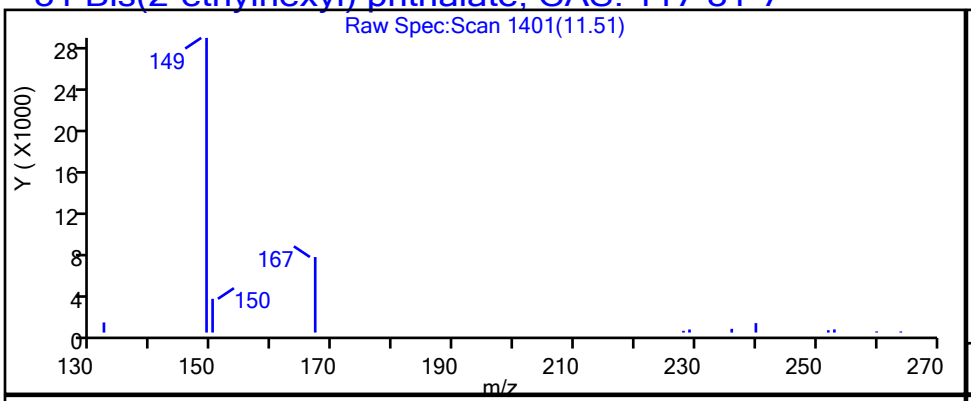
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 12

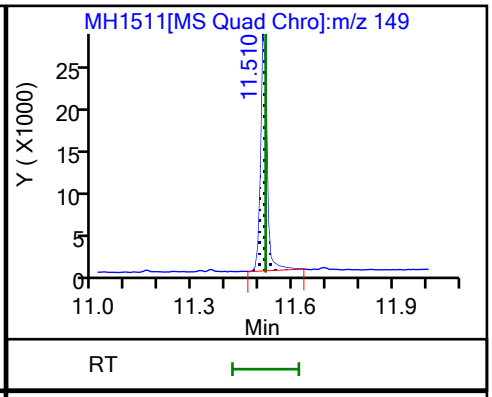
Injection Vol: 1.0 ul Dil. Factor: 1.0000

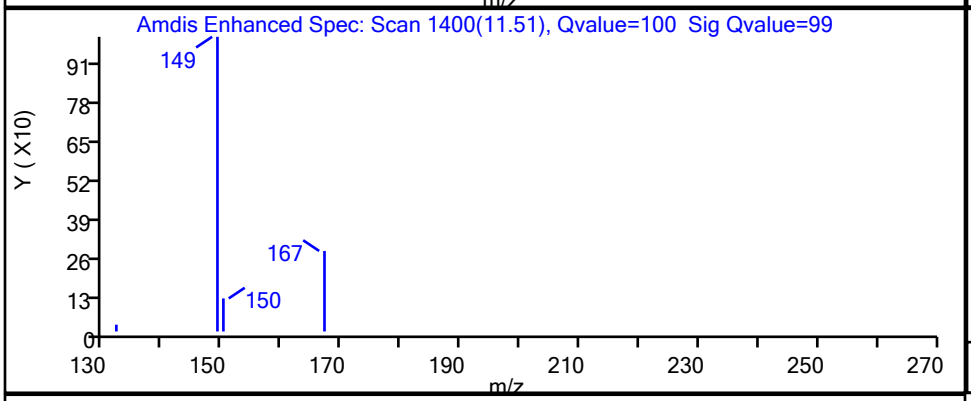
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

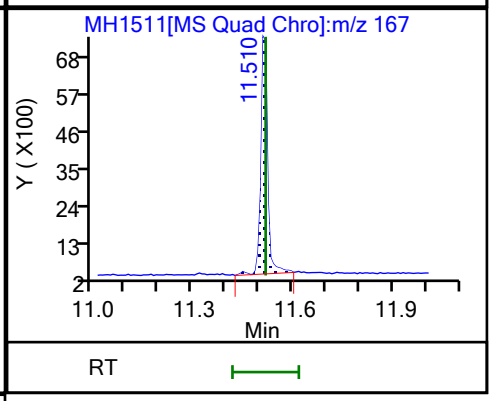
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

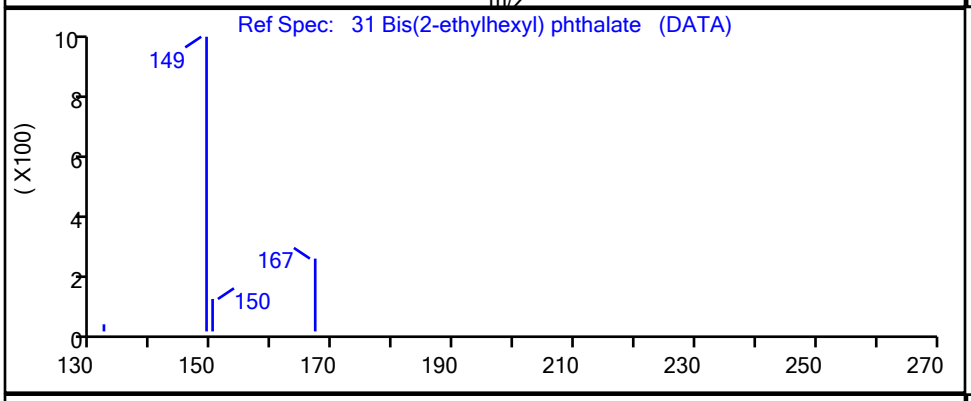
31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

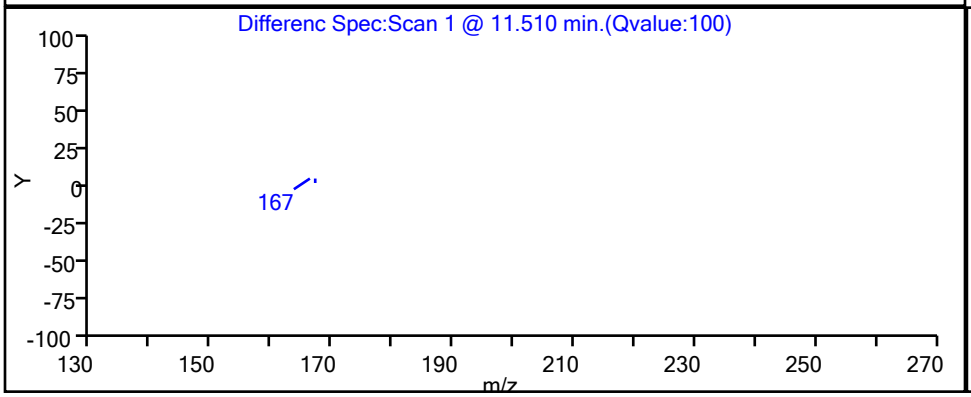


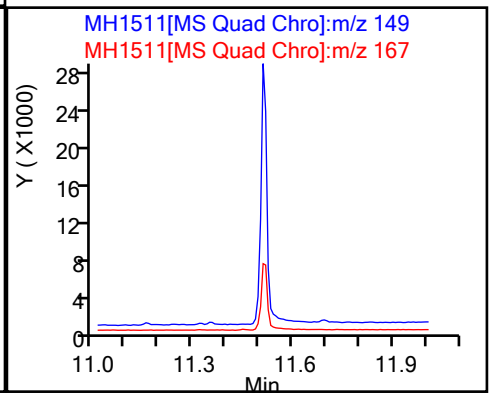












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

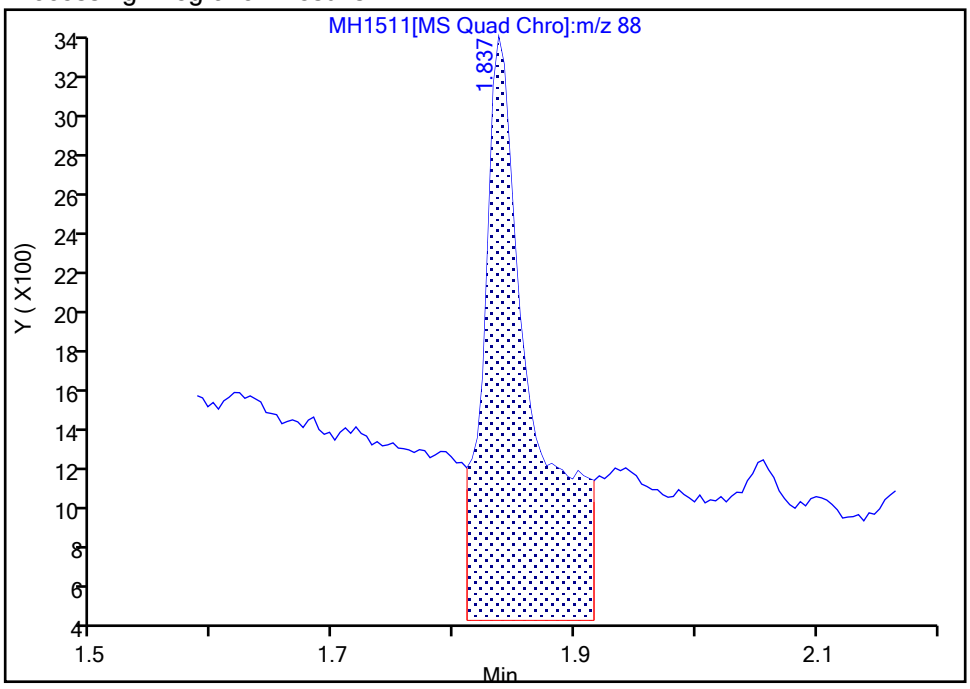
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1511.D				
Injection Date:	22-Aug-2022 10:52:57	Instrument ID:	HP21585		
Lims ID:	410-94417-D-2-A RE	Lab Sample ID:	410-94417-2		
Client ID:	FBW001_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

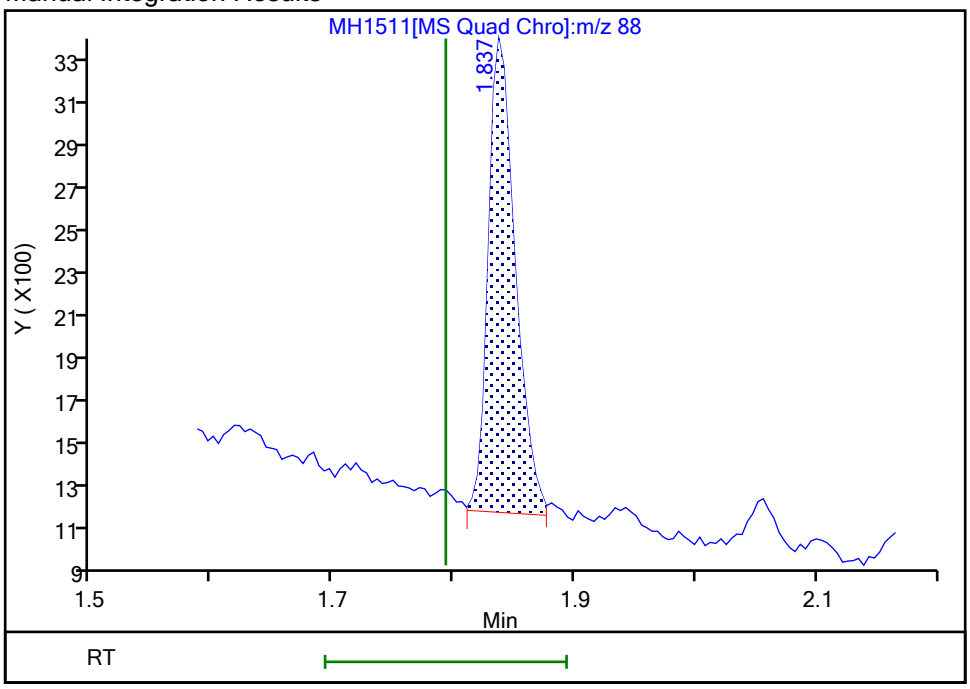
Processing Integration Results

RT: 1.84
Area: 8029
Amount: 0.040605
Amount Units: ug/ml



Manual Integration Results

RT: 1.84
Area: 3371
Amount: 0.017048
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:36:55

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

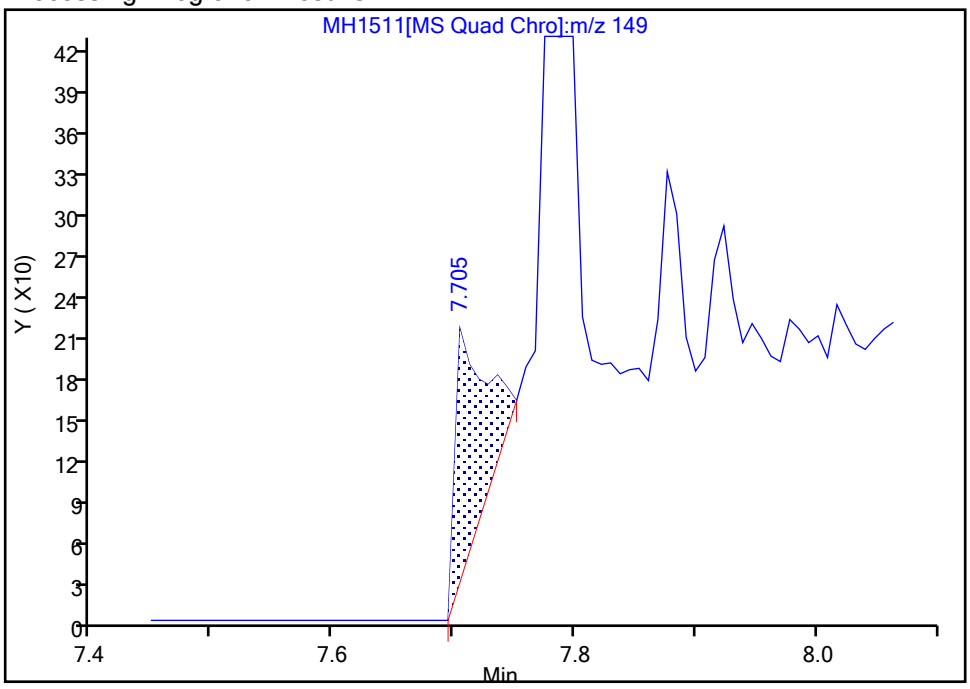
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1511.D				
Injection Date:	22-Aug-2022 10:52:57	Instrument ID:	HP21585		
Lims ID:	410-94417-D-2-A RE	Lab Sample ID:	410-94417-2		
Client ID:	FBW001_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

16 Diethyl phthalate, CAS: 84-66-2

Signal: 1

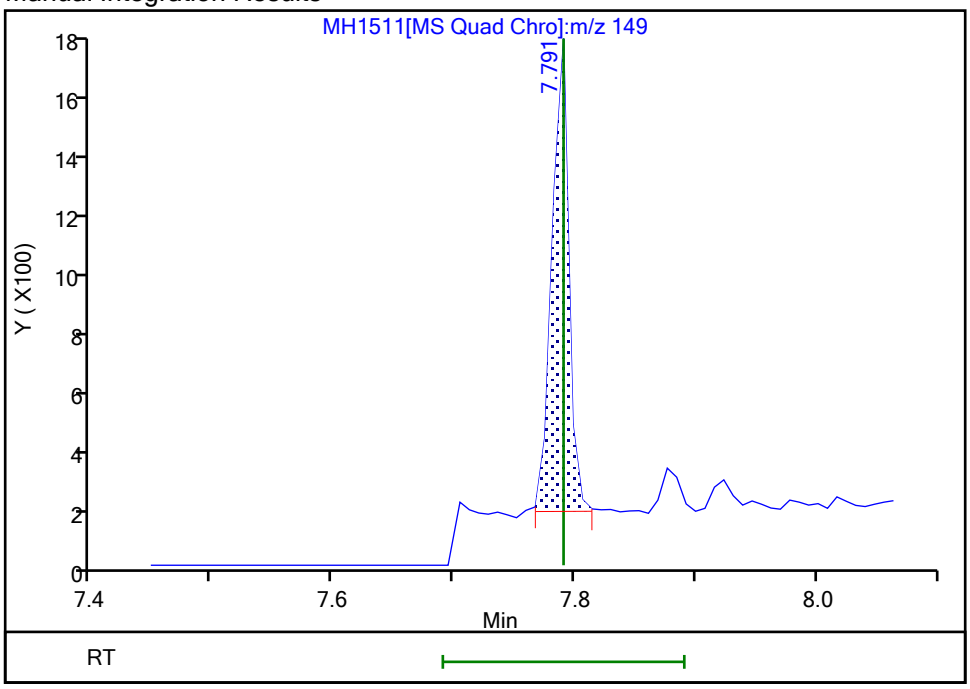
Processing Integration Results

RT: 7.70
Area: 295
Amount: 0.000499
Amount Units: ug/ml



Manual Integration Results

RT: 7.79
Area: 1550
Amount: 0.002623
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:50:14

Audit Action: Manually Integrated Audit Reason: Baseline

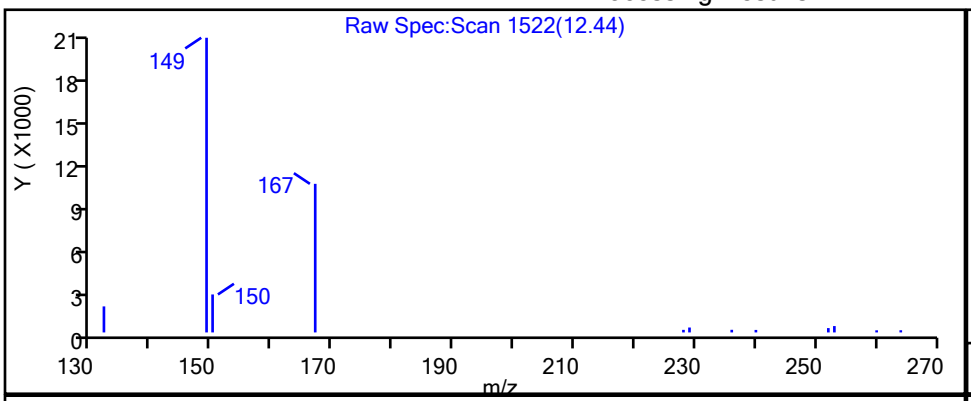
User Disabled Compound Report

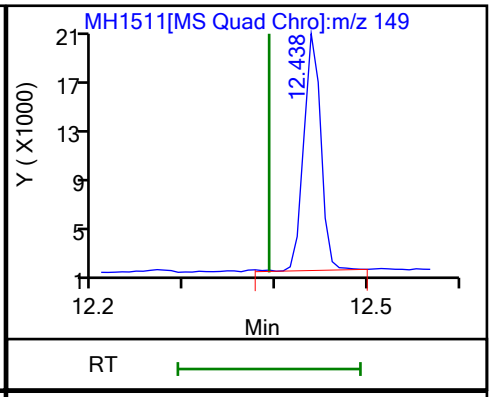
Eurofins Lancaster Laboratories Environment Testing, LLC

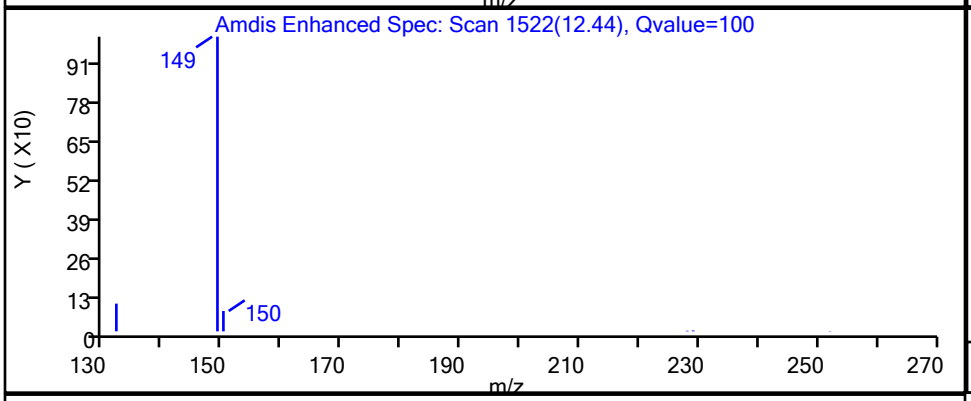
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1511.D				
Injection Date:	22-Aug-2022 10:52:57	Instrument ID:	HP21585		
Lims ID:	410-94417-D-2-A RE	Lab Sample ID:	410-94417-2		
Client ID:	FBW001_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

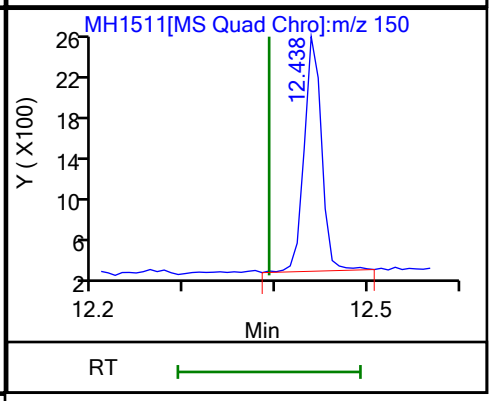
32 Di-n-octyl phthalate, CAS: 117-84-0

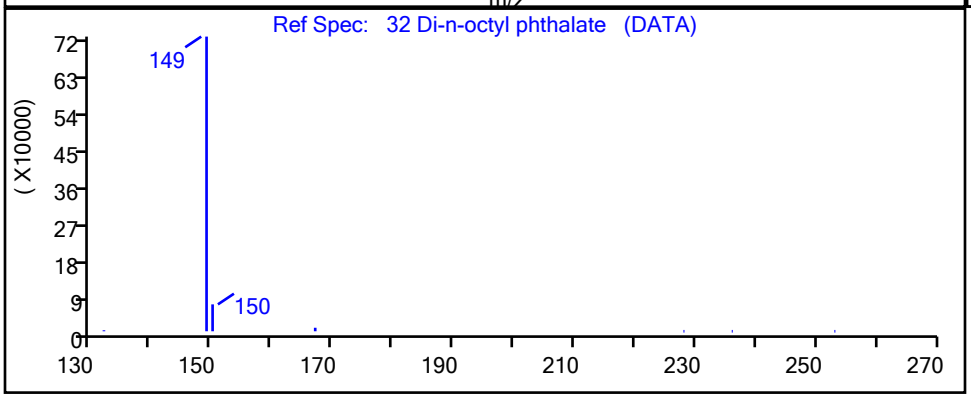
Processing Results











RT	Mass	Response	Amount
12.44	149.00	24500	0.075964
12.44	150.00	2991	

Reviewer: SJ89, 22-Aug-2022 18:50:25

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

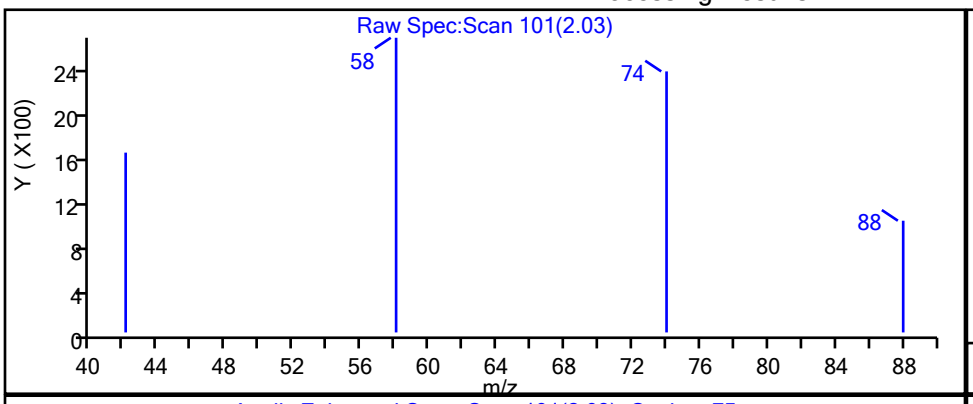
User Disabled Compound Report

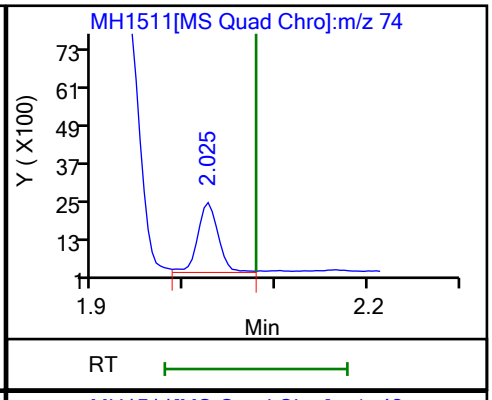
Eurofins Lancaster Laboratories Environment Testing, LLC

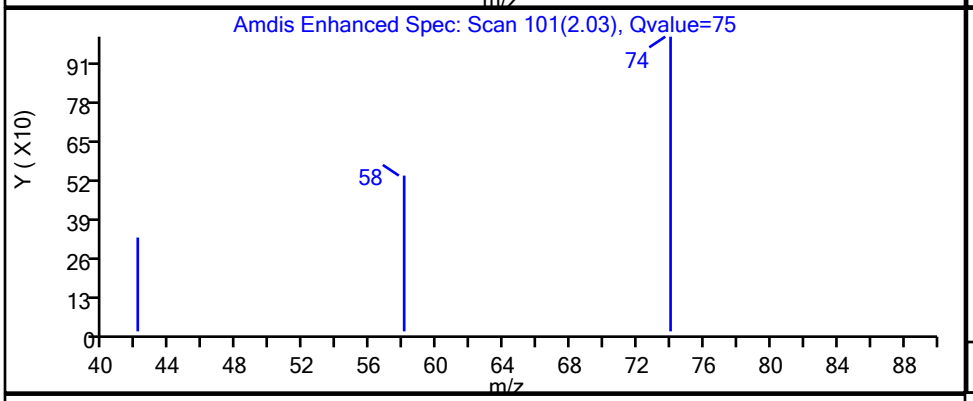
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1511.D				
Injection Date:	22-Aug-2022 10:52:57	Instrument ID:	HP21585		
Lims ID:	410-94417-D-2-A RE	Lab Sample ID:	410-94417-2		
Client ID:	FBW001_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

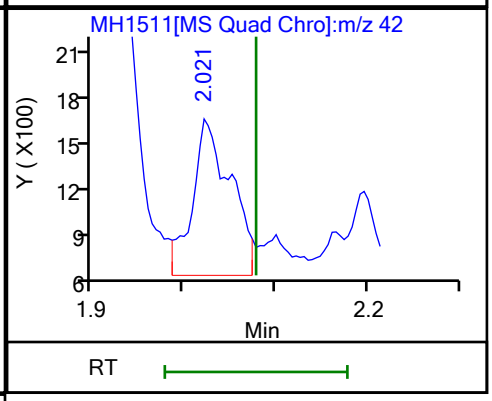
2 N-Nitrosodimethylamine, CAS: 62-75-9

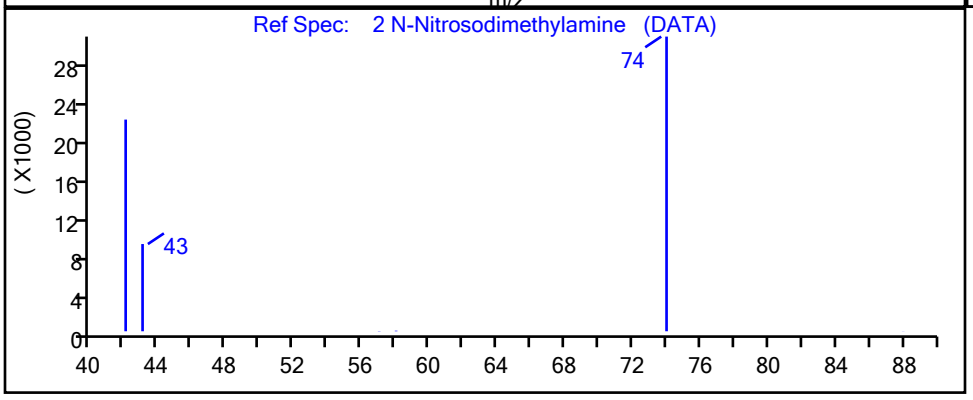
Processing Results











RT	Mass	Response	Amount
2.03	74.00	3443	0.014227
2.02	42.00	2836	

Reviewer: SJ89, 22-Aug-2022 18:49:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

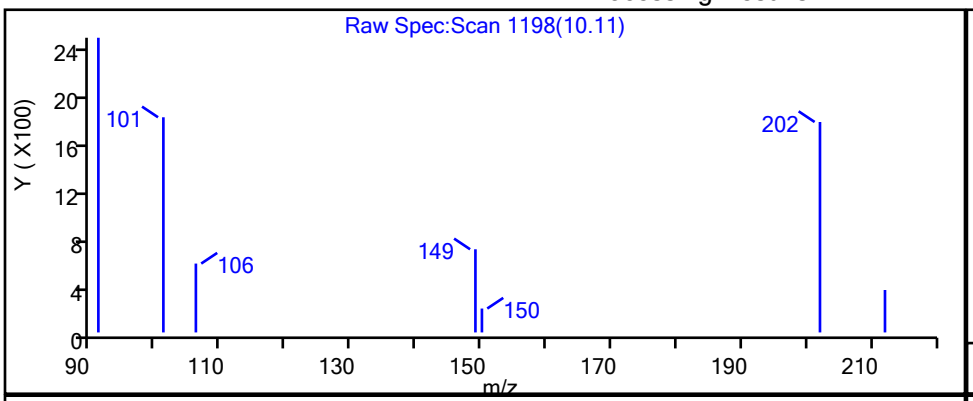
User Disabled Compound Report

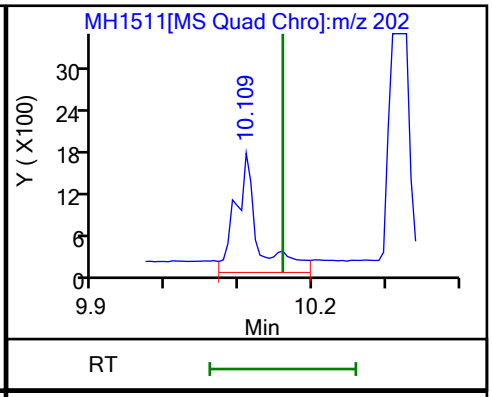
Eurofins Lancaster Laboratories Environment Testing, LLC

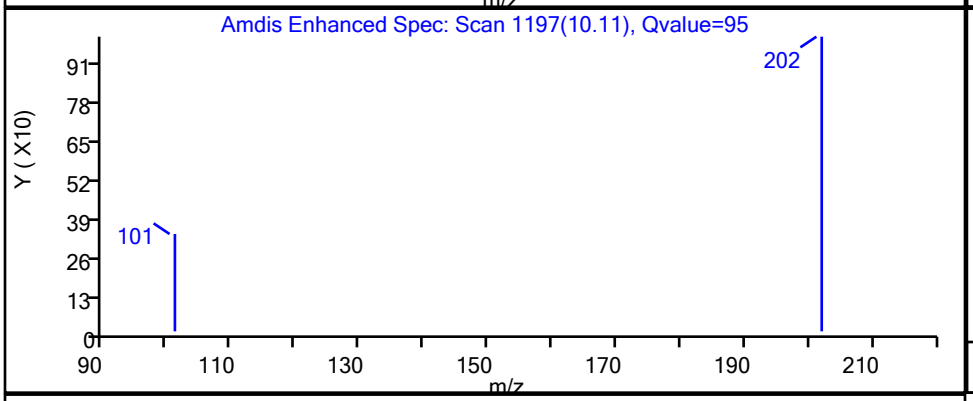
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1511.D				
Injection Date:	22-Aug-2022 10:52:57	Instrument ID:	HP21585		
Lims ID:	410-94417-D-2-A RE	Lab Sample ID:	410-94417-2		
Client ID:	FBW001_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

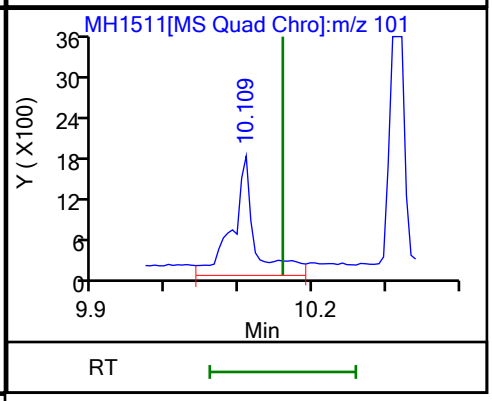
26 Pyrene, CAS: 129-00-0

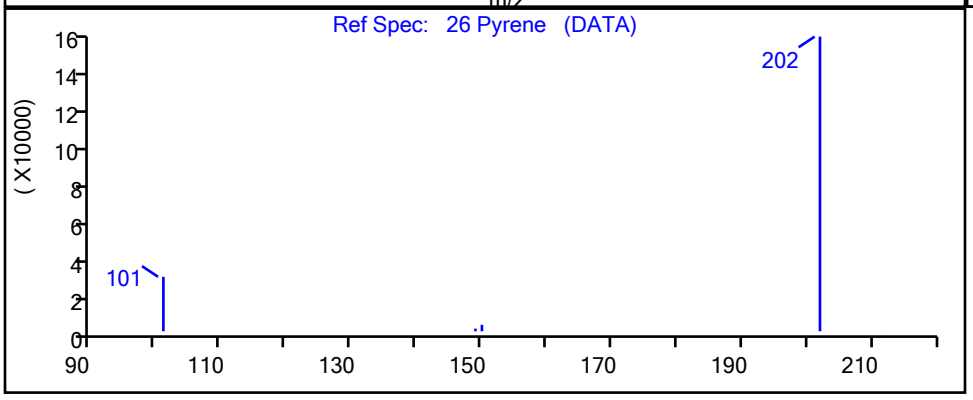
Processing Results











RT	Mass	Response	Amount
10.11	202.00	3652	0.002974
10.11	101.00	3789	

Reviewer: SJ89, 22-Aug-2022 18:50:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: DUP-01_082022
Lab Sample ID: 410-94417-3

Matrix: Water
Lab File ID: MH1427.D

Analysis Method: 8270D SIM
Date Collected: 08/11/2022 08:00

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 241(mL)
Date Analyzed: 08/19/2022 05:06

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287573
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.31	0.10
90-12-0	1-Methylnaphthalene	ND		0.052	0.021
91-57-6	2-Methylnaphthalene	ND		0.052	0.021
83-32-9	Acenaphthene	ND		0.052	0.010
208-96-8	Acenaphthylene	ND		0.052	0.010
120-12-7	Anthracene	ND		0.052	0.010
56-55-3	Benzo[a]anthracene	ND		0.052	0.010
50-32-8	Benzo[a]pyrene	ND		0.052	0.010
205-99-2	Benzo[b]fluoranthene	ND		0.052	0.010
191-24-2	Benzo[g,h,i]perylene	ND		0.052	0.010
207-08-9	Benzo[k]fluoranthene	ND		0.052	0.010
111-44-4	Bis(2-chloroethyl)ether	ND		0.052	0.021
85-68-7	Butylbenzylphthalate	ND	cn	1.0	0.052
218-01-9	Chrysene	ND		0.052	0.010
53-70-3	Dibenz(a,h)anthracene	ND		0.052	0.021
132-64-9	Dibenzofuran	ND		0.052	0.010
84-66-2	Diethylphthalate	ND		1.0	0.052
131-11-3	Dimethylphthalate	ND		1.0	0.052
117-84-0	Di-n-octyl phthalate	ND		1.0	0.052
206-44-0	Fluoranthene	ND		0.052	0.010
86-73-7	Fluorene	ND		0.052	0.010
118-74-1	Hexachlorobenzene	ND		0.052	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.052	0.021
91-20-3	Naphthalene	ND		0.073	0.031
62-75-9	N-Nitrosodimethylamine	ND		0.052	0.021
85-01-8	Phenanthrene	ND		0.073	0.031
129-00-0	Pyrene	ND		0.052	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: DUP-01_082022 Lab Sample ID: 410-94417-3

Matrix: Water Lab File ID: MH1427.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 08:00

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 241(mL) Date Analyzed: 08/19/2022 05:06

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287573 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	57		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	68		10-110
93951-69-0	Fluoranthene-d10 (Surr)	79		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1427.D
Lims ID: 410-94417-G-3-A
Client ID: DUP-01_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 05:06:39 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-3-A
Misc. Info.: 410-0064495-027
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 07:12:32 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:12:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	86	72210	0.2500	
* 5 Naphthalene-d8	136	5.730	5.729	0.001	96	257368	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.456	6.455	0.001	96	84402	0.1435	
* 13 Acenaphthene-d10	164	7.381	7.381	0.000	95	133017	0.2500	
* 20 Phenanthrene-d10	188	8.791	8.799	-0.008	95	228669	0.2500	
23 Di-n-butyl phthalate	149	9.358	9.356	-0.006	100	3518798	4.19	
$ 24 Fluoranthene-d10 (Surr)	212	9.929	9.926	-0.006	100	189933	0.1972	
* 29 Chrysene-d12	240	11.466	11.466	0.000	60	193669	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.519	11.527	-0.008	100	55869	0.1780	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.299	13.299	-0.007	100	115663	0.1689	
* 38 Perylene-d12	264	13.414	13.421	-0.007	100	185289	0.2500	

QC Flag Legend
Processing Flags

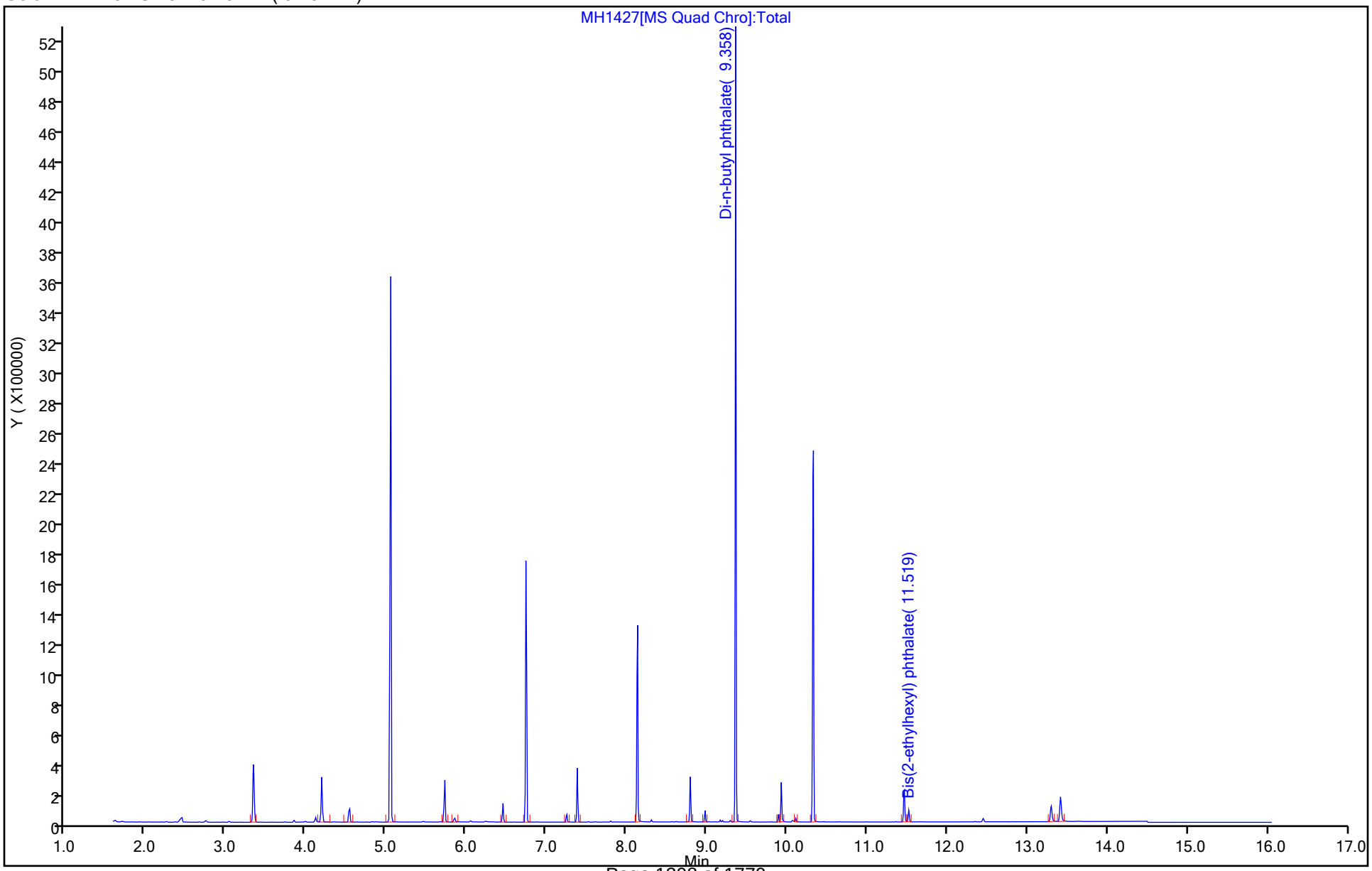
Reagents:
MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 19-Aug-2022 07:13:22 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1427.D				
Injection Date:	19-Aug-2022 05:06:39	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	410-94417-G-3-A	Lab Sample ID:	410-94417-3	Worklist Smp#:	27
Client ID:	DUP-01_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1427.D
Lims ID: 410-94417-G-3-A
Client ID: DUP-01_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 05:06:39 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-3-A
Misc. Info.: 410-0064495-027
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 07:12:32 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:12:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1435	57.40
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1972	78.86
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1689	67.54

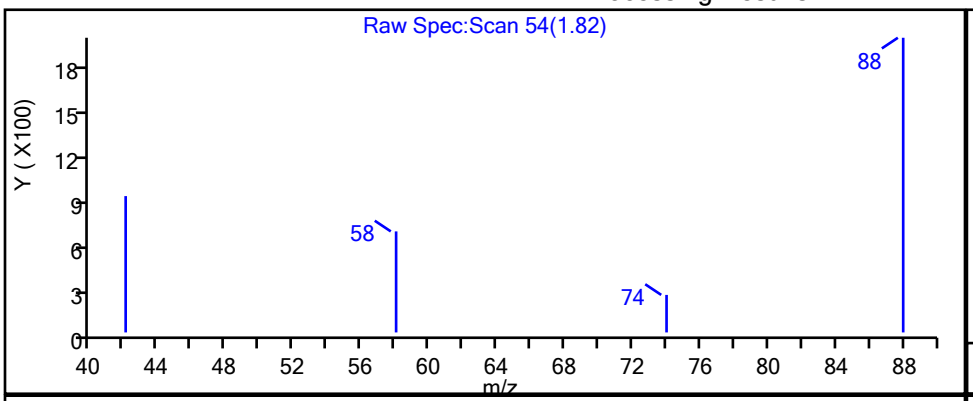
User Disabled Compound Report

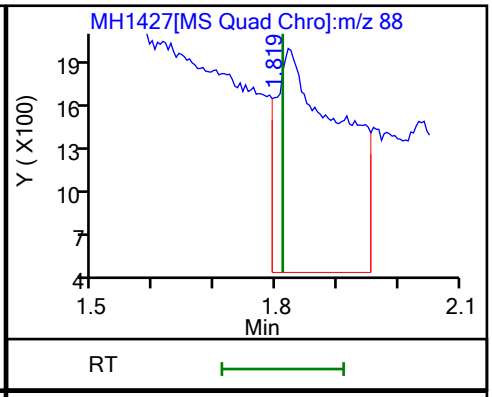
Eurofins Lancaster Laboratories Environment Testing, LLC

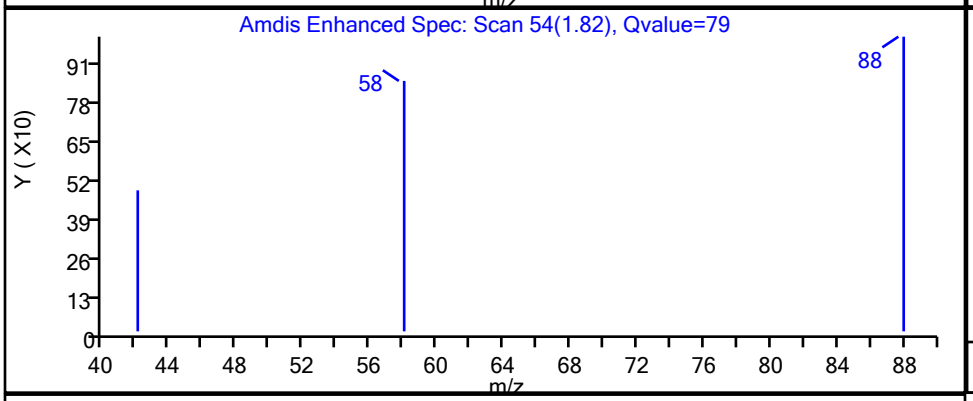
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1427.D				
Injection Date:	19-Aug-2022 05:06:39	Instrument ID:	HP21585		
Lims ID:	410-94417-G-3-A	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

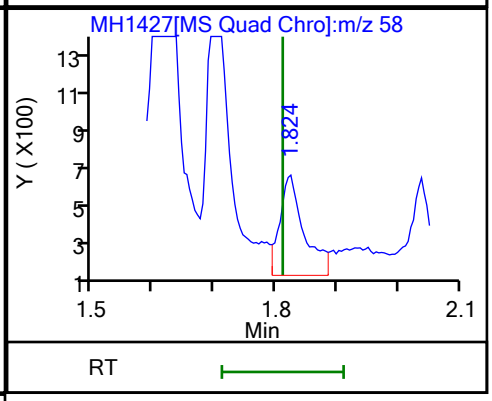
1 1,4-Dioxane, CAS: 123-91-1

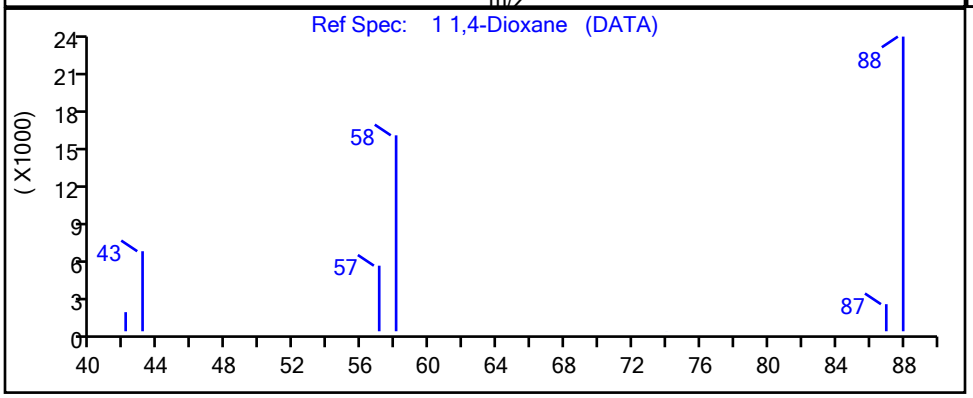
Processing Results











RT	Mass	Response	Amount
1.82	88.00	11328	0.055781
1.82	58.00	1379	

Reviewer: UJM0, 19-Aug-2022 07:12:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

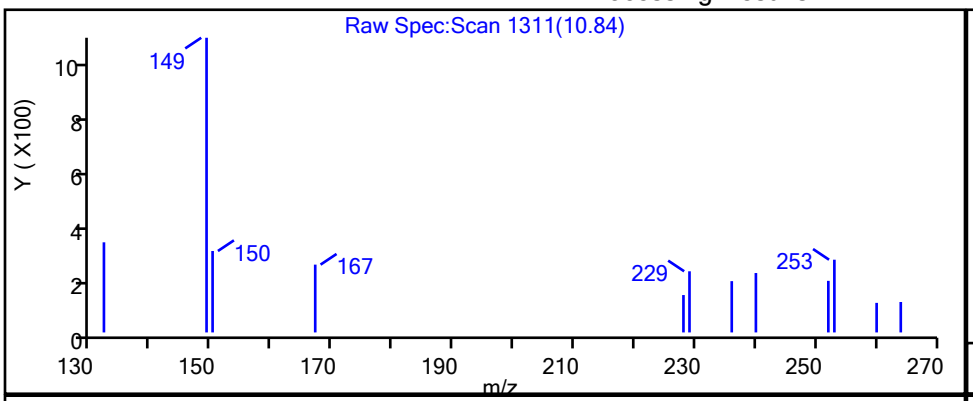
User Disabled Compound Report

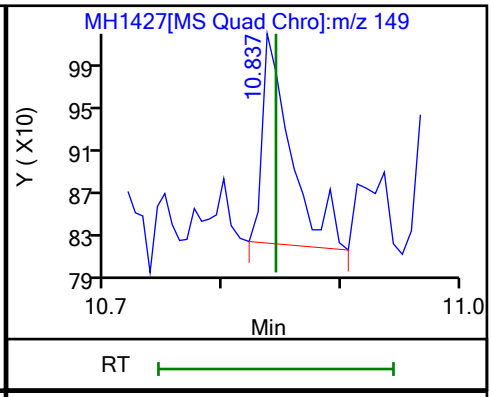
Eurofins Lancaster Laboratories Environment Testing, LLC

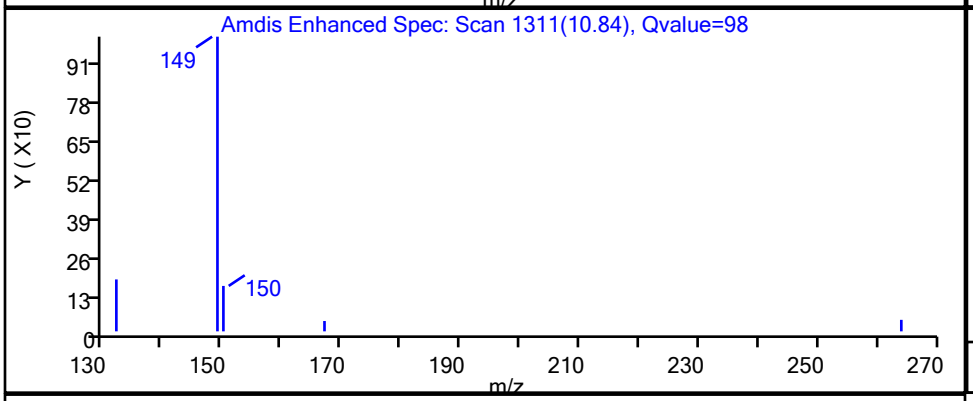
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1427.D				
Injection Date:	19-Aug-2022 05:06:39	Instrument ID:	HP21585		
Lims ID:	410-94417-G-3-A	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

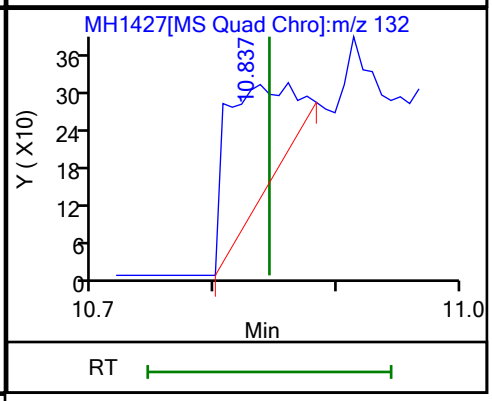
27 Butyl benzyl phthalate, CAS: 85-68-7

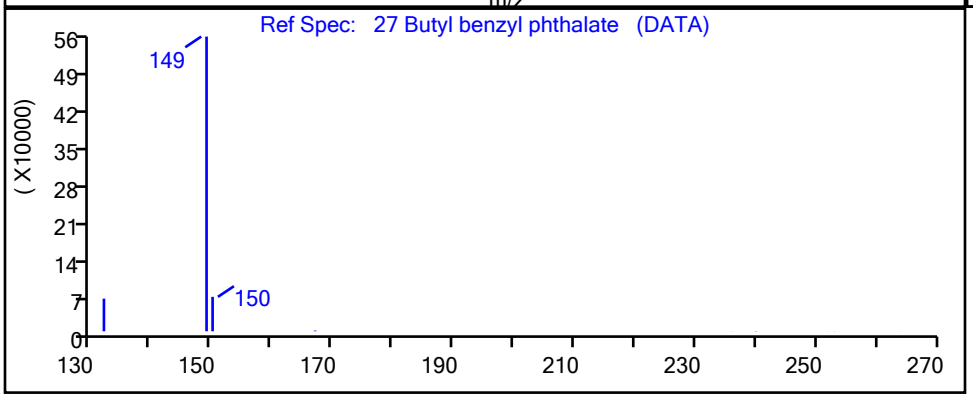
Processing Results











RT	Mass	Response	Amount
10.84	149.00	326	0.037611
10.84	132.00	697	

Reviewer: UJM0, 19-Aug-2022 07:12:23

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

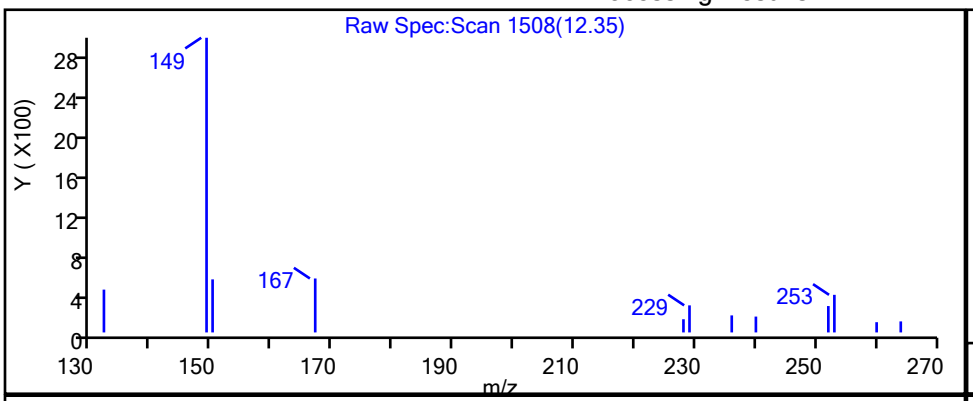
User Disabled Compound Report

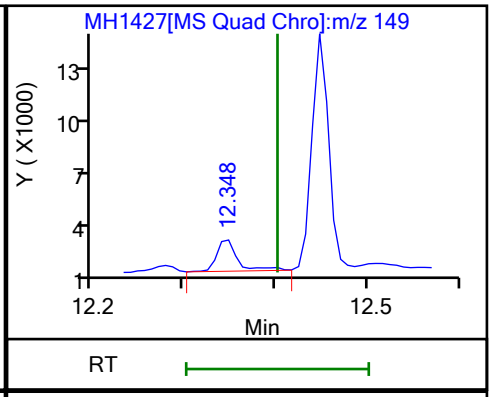
Eurofins Lancaster Laboratories Environment Testing, LLC

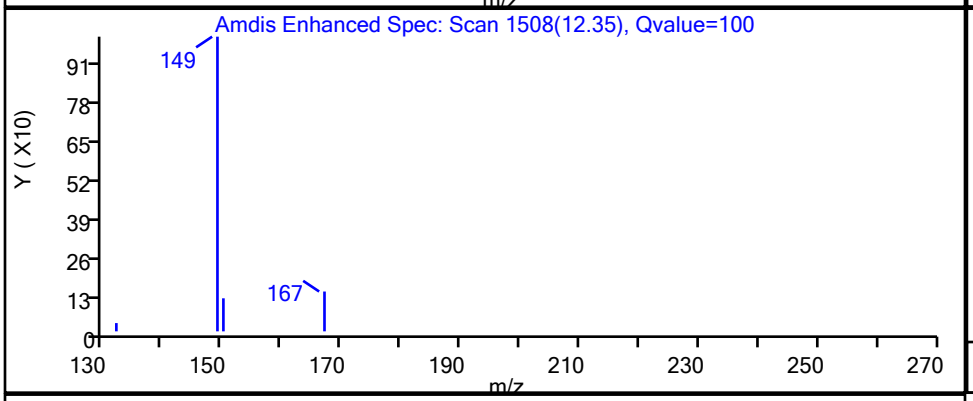
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1427.D				
Injection Date:	19-Aug-2022 05:06:39	Instrument ID:	HP21585		
Lims ID:	410-94417-G-3-A	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

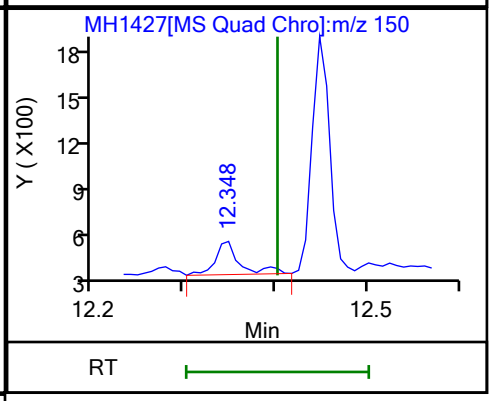
32 Di-n-octyl phthalate, CAS: 117-84-0

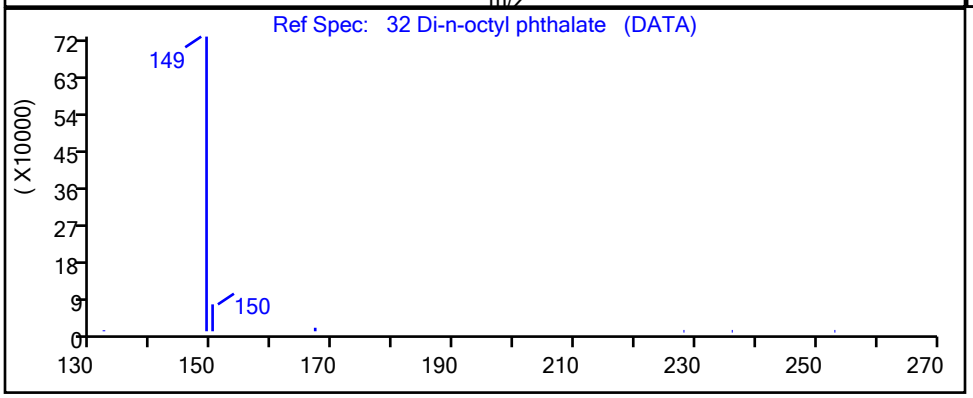
Processing Results











RT	Mass	Response	Amount
12.35	149.00	2676	0.045393
12.35	150.00	382	

Reviewer: UJM0, 19-Aug-2022 07:12:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: DUP-01_082022 RA Lab Sample ID: 410-94417-3 RA

Matrix: Water Lab File ID: NH1309.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 08:00

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 241(mL) Date Analyzed: 08/19/2022 07:46

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.50	J B * + cn	1.0	0.052
84-74-2	Di-n-butyl phthalate	14	B *+ cn	1.0	0.052

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	59		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	69		10-110
93951-69-0	Fluoranthene-d10 (Surr)	73		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1309.D
Lims ID: 410-94417-G-3-A
Client ID: DUP-01_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 07:46:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-3-A
Misc. Info.: 410-0064507-010
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 08:08:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.355	4.367	-0.012	87	65740	0.2500	
* 5 Naphthalene-d8	136	5.579	5.579	0.000	100	212195	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.317	6.314	0.003	100	68071	0.1472	
* 13 Acenaphthene-d10	164	7.238	7.246	-0.008	85	102100	0.2500	
16 Diethyl phthalate	149	7.667	7.672	0.003	97	3584	0.007724	M
* 20 Phenanthrene-d10	188	8.647	8.653	-0.006	99	168460	0.2500	
23 Di-n-butyl phthalate	149	9.228	9.227	0.001	100	2055646	3.29	
$ 24 Fluoranthene-d10 (Surr)	212	9.780	9.785	-0.005	100	124059	0.1819	
* 29 Chrysene-d12	240	11.258	11.257	0.001	81	118492	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.327	11.334	0.001	99	38398	0.1206	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.022	13.021	0.001	98	74556	0.1736	
* 38 Perylene-d12	264	13.137	13.136	0.001	96	113671	0.2500	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

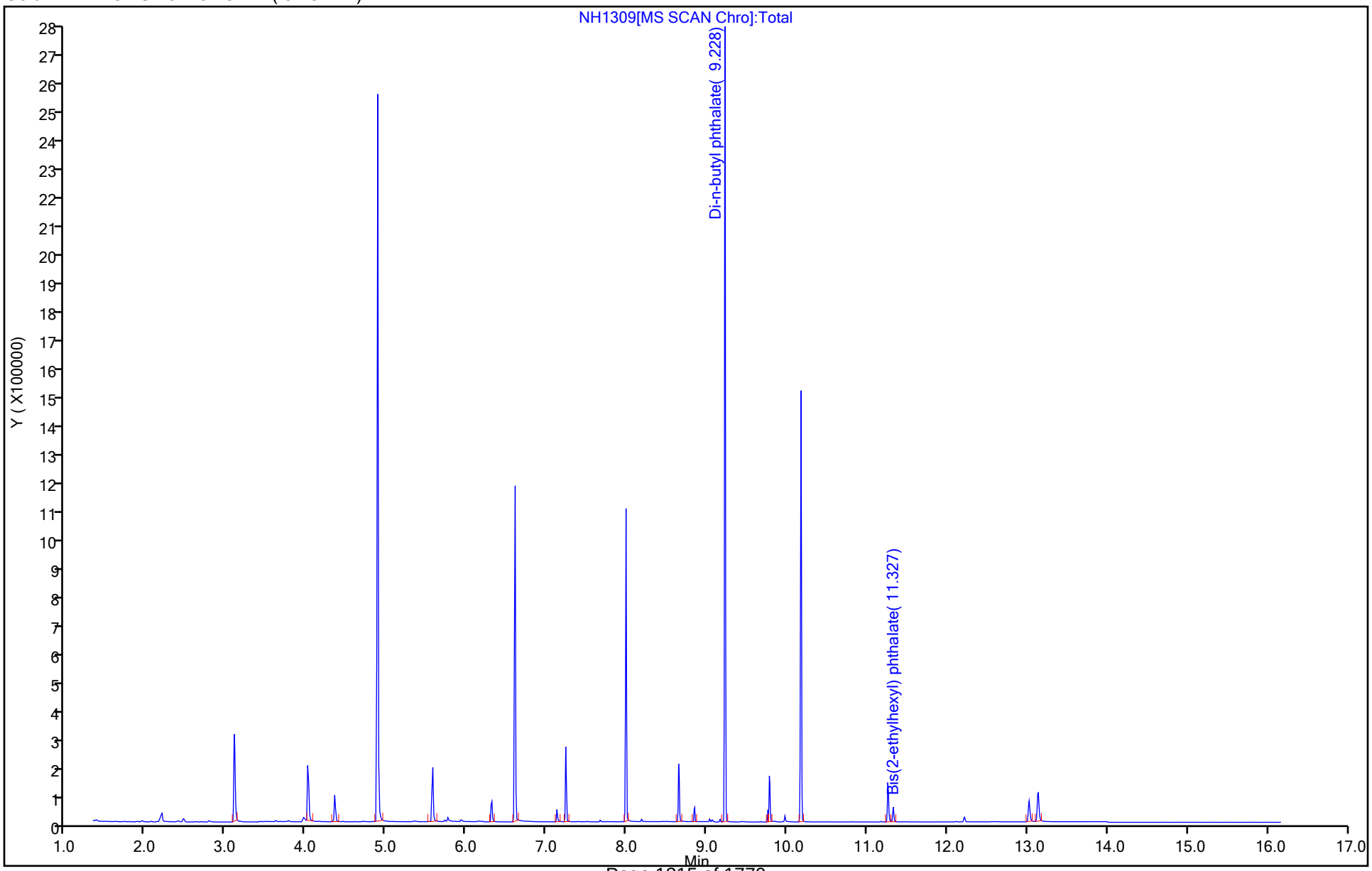
Report Date: 19-Aug-2022 08:31:06 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1309.D

Injection Date:	19-Aug-2022 07:46:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-94417-G-3-A	Lab Sample ID:	410-94417-3	Worklist Smp#:	10
Client ID:	DUP-01_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1309.D
Lims ID: 410-94417-G-3-A
Client ID: DUP-01_082022
Sample Type: Client
Inject. Date: 19-Aug-2022 07:46:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-3-A
Misc. Info.: 410-0064507-010
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 08:08:22

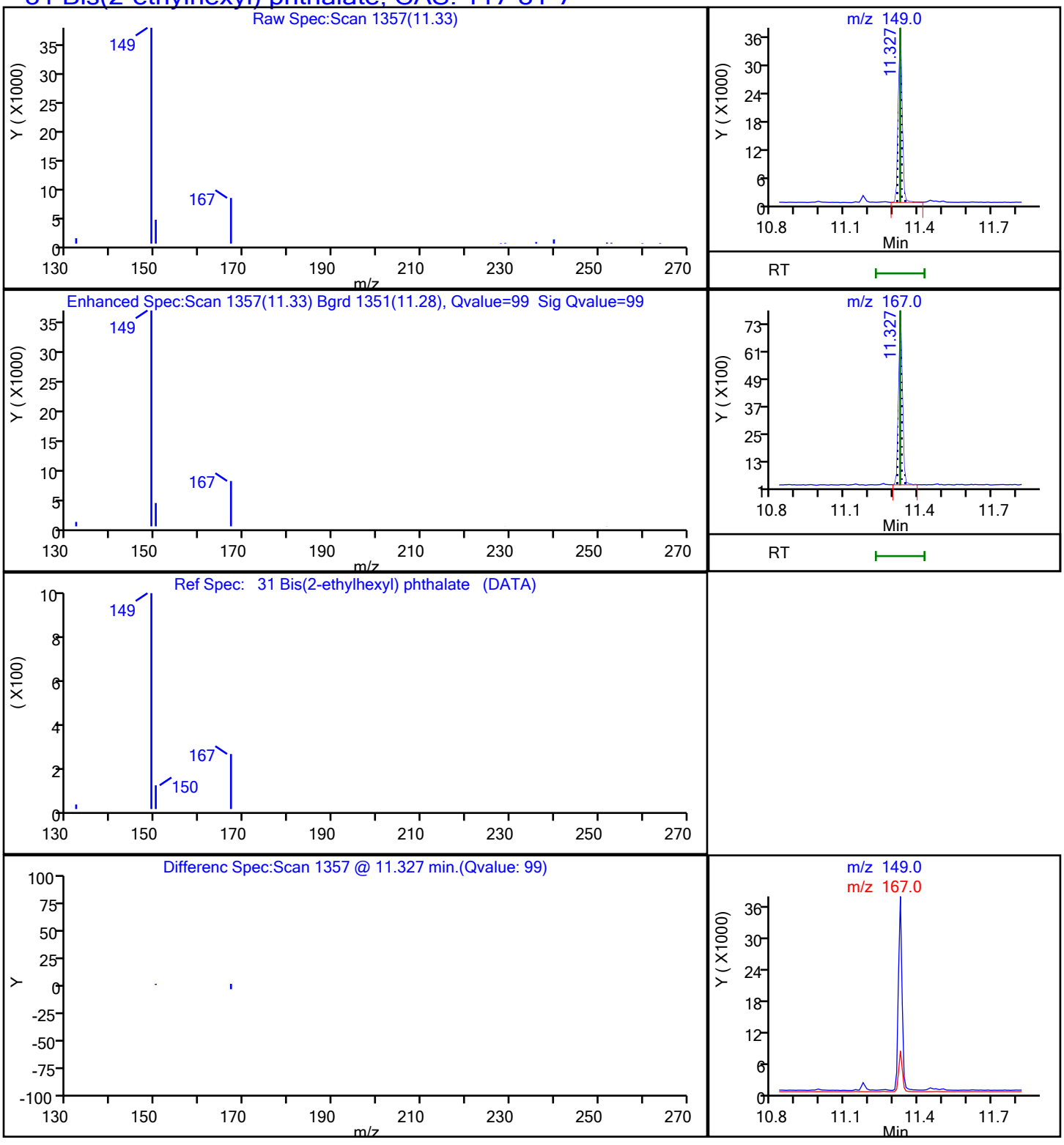
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1472	58.87
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1819	72.75
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1736	69.44

Report Date: 19-Aug-2022 08:31:06 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1309.D				
Injection Date:	19-Aug-2022 07:46:30	Instrument ID:	HP23263		
Lims ID:	410-94417-G-3-A	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	jmg00346	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



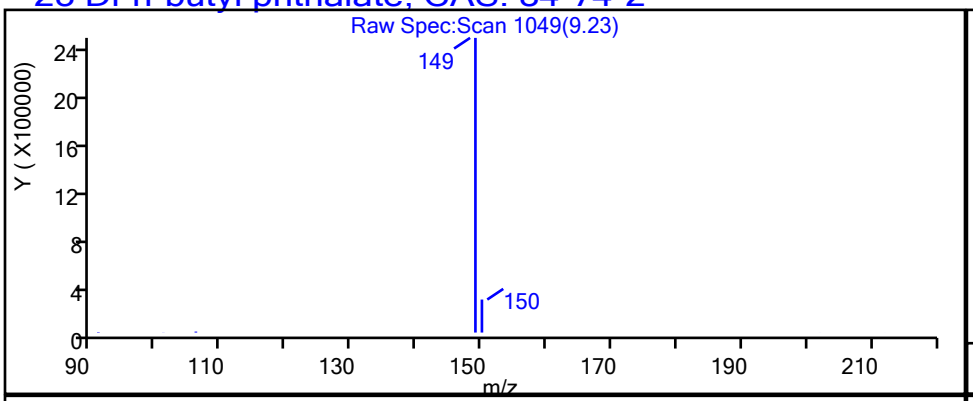
Report Date: 19-Aug-2022 08:31:06 Chrom Revision: 2.3 08-Aug-2022 16:03:06

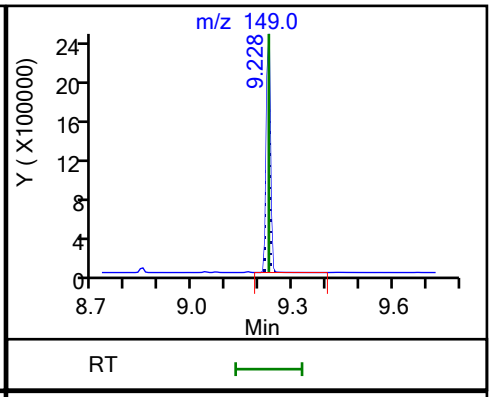
Eurofins Lancaster Laboratories Environment Testing, LLC

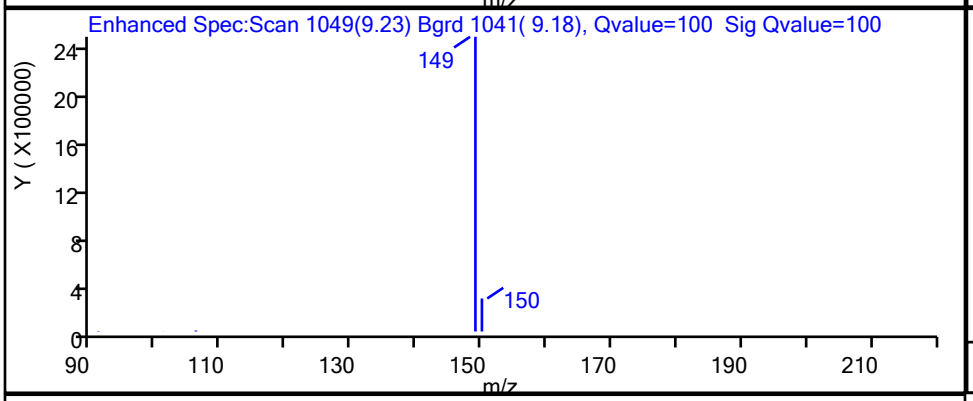
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1309.D

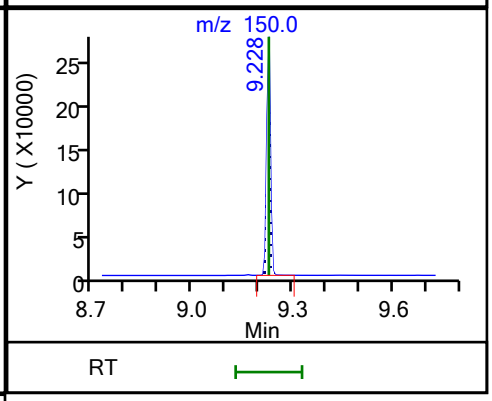
Injection Date:	19-Aug-2022 07:46:30	Instrument ID:	HP23263		
Lims ID:	410-94417-G-3-A	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	jmg00346	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

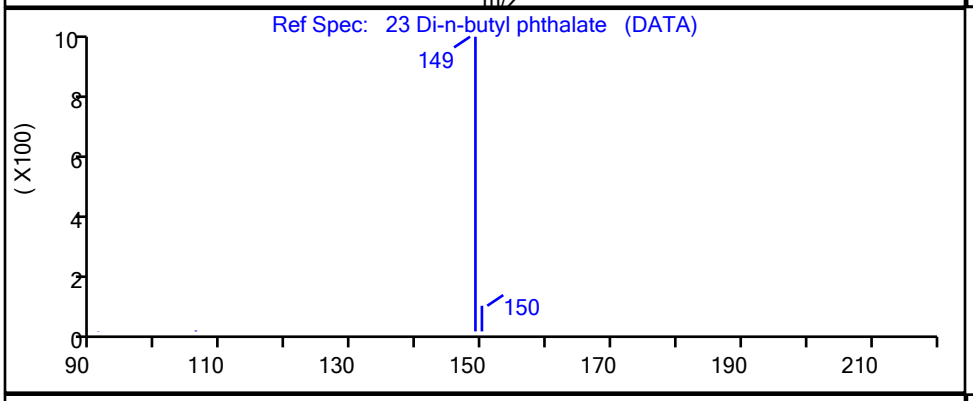
23 Di-n-butyl phthalate, CAS: 84-74-2

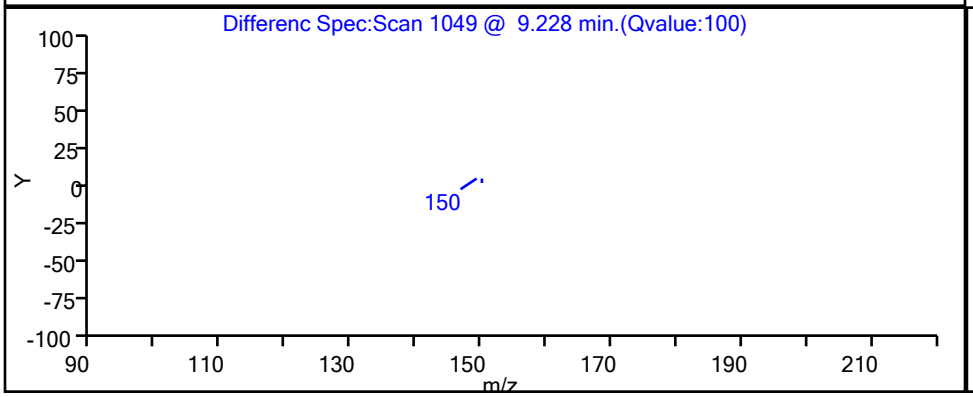


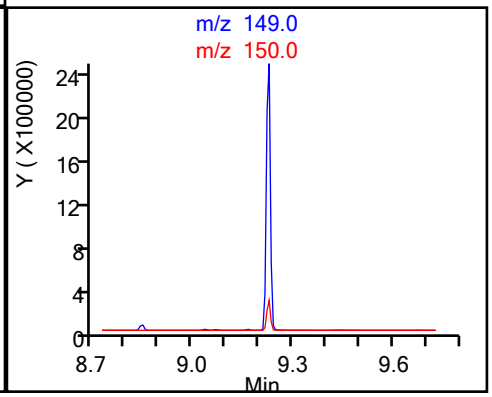












FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: DUP-01_082022 RE
Lab Sample ID: 410-94417-3 RE

Matrix: Water
Lab File ID: MH1512.D

Analysis Method: 8270D SIM
Date Collected: 08/11/2022 08:00

Extract. Method: 3510C
Date Extracted: 08/21/2022 10:35

Sample wt/vol: 237.8(mL)
Date Analyzed: 08/22/2022 11:14

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 288195
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND	H	0.32	0.11
90-12-0	1-Methylnaphthalene	ND	H	0.053	0.021
91-57-6	2-Methylnaphthalene	ND	H	0.053	0.021
83-32-9	Acenaphthene	ND	H	0.053	0.011
208-96-8	Acenaphthylene	ND	H	0.053	0.011
120-12-7	Anthracene	ND	H	0.053	0.011
56-55-3	Benzo[a]anthracene	ND	H	0.053	0.011
50-32-8	Benzo[a]pyrene	ND	H	0.053	0.011
205-99-2	Benzo[b]fluoranthene	ND	H	0.053	0.011
191-24-2	Benzo[g,h,i]perylene	ND	H	0.053	0.011
207-08-9	Benzo[k]fluoranthene	ND	H	0.053	0.011
111-44-4	Bis(2-chloroethyl)ether	ND	H	0.053	0.021
117-81-7	Bis(2-ethylhexyl) phthalate	0.50	J H B *+	1.1	0.053
85-68-7	Butylbenzylphthalate	0.16	J H B	1.1	0.053
218-01-9	Chrysene	ND	H	0.053	0.011
53-70-3	Dibenz(a,h)anthracene	ND	H	0.053	0.021
132-64-9	Dibenzofuran	ND	H	0.053	0.011
84-66-2	Diethylphthalate	ND	H	1.1	0.053
131-11-3	Dimethylphthalate	ND	H	1.1	0.053
84-74-2	Di-n-butyl phthalate	ND	H	1.1	0.053
117-84-0	Di-n-octyl phthalate	ND	H	1.1	0.053
206-44-0	Fluoranthene	ND	H	0.053	0.011
86-73-7	Fluorene	ND	H	0.053	0.011
118-74-1	Hexachlorobenzene	ND	H	0.053	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	0.053	0.021
91-20-3	Naphthalene	ND	H	0.074	0.032
62-75-9	N-Nitrosodimethylamine	ND	H	0.053	0.021
85-01-8	Phenanthrene	ND	H	0.074	0.032
129-00-0	Pyrene	ND	H	0.053	0.011

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: DUP-01_082022 RE Lab Sample ID: 410-94417-3 RE

Matrix: Water Lab File ID: MH1512.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 08:00

Extract. Method: 3510C Date Extracted: 08/21/2022 10:35

Sample wt/vol: 237.8(mL) Date Analyzed: 08/22/2022 11:14

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 288195 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	77		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	85		10-110
93951-69-0	Fluoranthene-d10 (Surr)	86		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1512.D
Lims ID: 410-94417-D-3-A RE
Client ID: DUP-01_082022
Sample Type: Client
Inject. Date: 22-Aug-2022 11:14:24 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-D-3-A
Misc. Info.: 410-0064632-013
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-Aug-2022 13:29:58 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1659

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:51:16

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.828	1.819	0.035	88	4339	0.0231	M
*	4 1,4-Dichlorobenzene-d4	152	4.530	4.530	0.000	77	66817	0.2500	
*	5 Naphthalene-d8	136	5.717	5.717	0.000	91	241623	0.2500	
$	9 1-Methylnaphthalene-d10	152	6.444	6.444	0.000	99	106058	0.1921	
*	13 Acenaphthene-d10	164	7.370	7.380	-0.010	96	118194	0.2500	
*	20 Phenanthrene-d10	188	8.782	8.790	-0.008	95	206849	0.2500	
$	24 Fluoranthene-d10 (Surr)	212	9.921	9.927	-0.006	99	187996	0.2157	
	27 Butyl benzyl phthalate	149	10.835	10.835	0.000	100	319	0.0377	M
*	29 Chrysene-d12	240	11.457	11.456	0.000	55	181886	0.2500	
	31 Bis(2-ethylhexyl) phthalate	149	11.510	11.518	-0.008	100	30791	0.1198	
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.290	13.312	0.001	100	156594	0.2133	
*	38 Perylene-d12	264	13.405	13.405	0.001	100	198629	0.2500	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

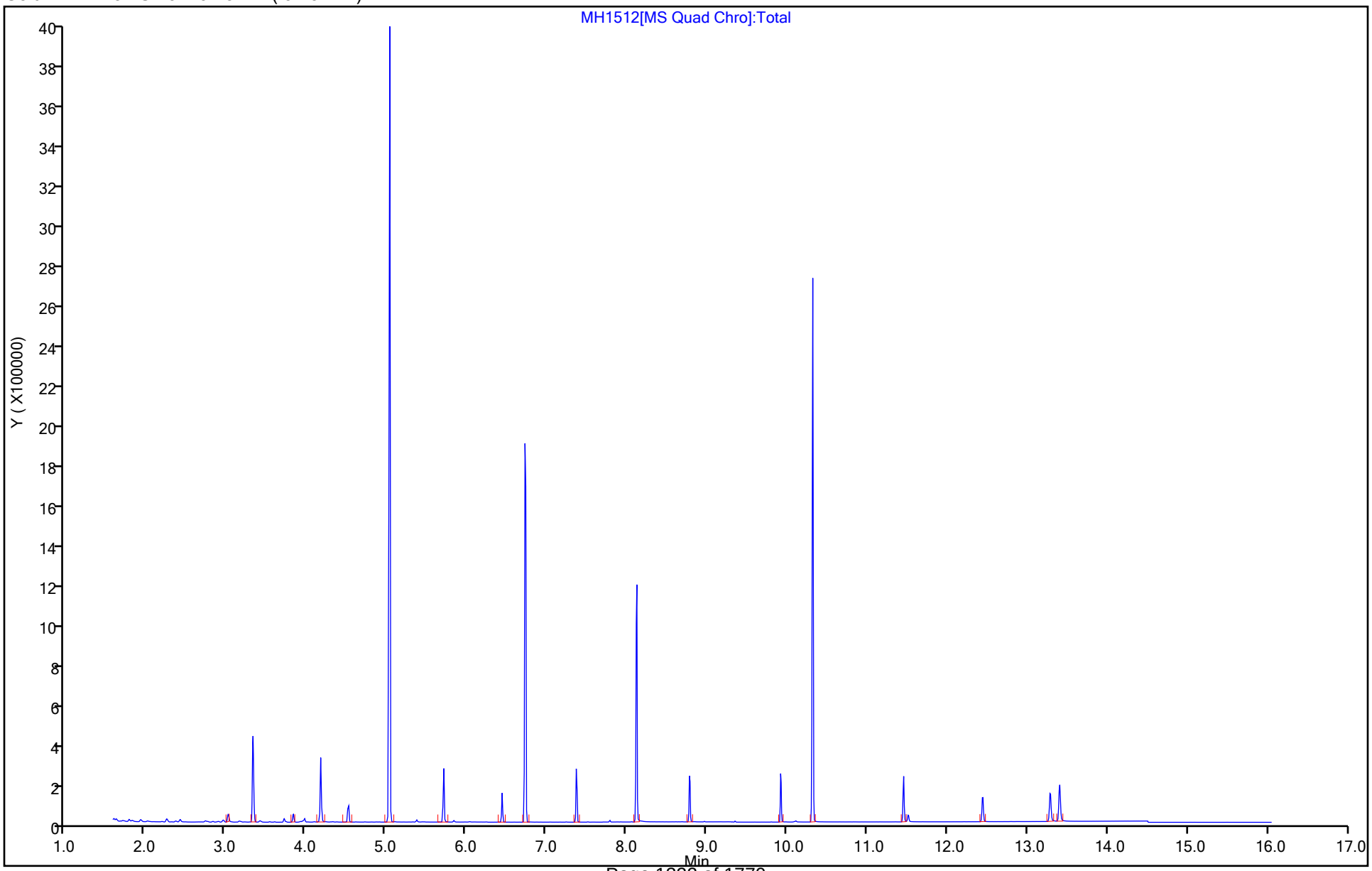
Report Date: 23-Aug-2022 13:29:58 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1512.D

Injection Date:	22-Aug-2022 11:14:24	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-94417-D-3-A RE	Lab Sample ID:	410-94417-3	Worklist Smp#:	13
Client ID:	DUP-01_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1512.D				
Lims ID:	410-94417-D-3-A RE				
Client ID:	DUP-01_082022				
Sample Type:	Client				
Inject. Date:	22-Aug-2022 11:14:24	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-94417-D-3-A				
Misc. Info.:	410-0064632-013				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	23-Aug-2022 13:29:58	Calib Date:	28-Jul-2022 21:32:00		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1659				

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:51:16

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1921	76.83
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2157	86.29
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2133	85.30

Report Date: 23-Aug-2022 13:29:58 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1512.D

Injection Date: 22-Aug-2022 11:14:24 Instrument ID: HP21585

Lims ID: 410-94417-D-3-A RE Lab Sample ID: 410-94417-3

Client ID: DUP-01_082022

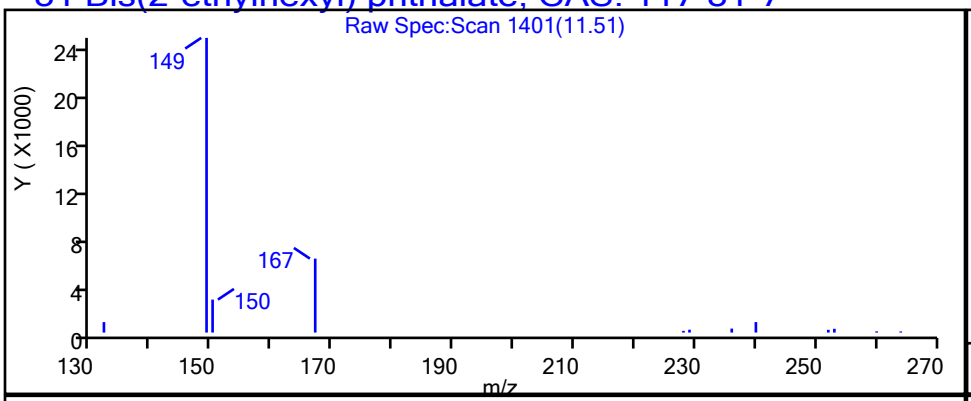
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 13

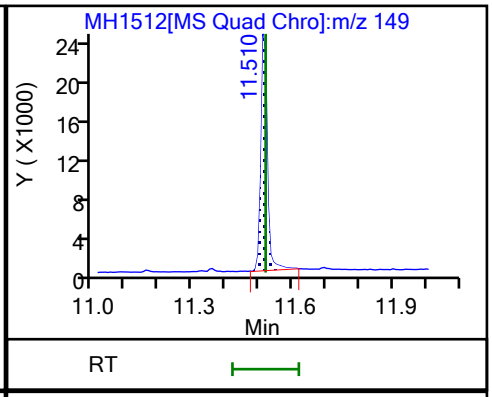
Injection Vol: 1.0 ul Dil. Factor: 1.0000

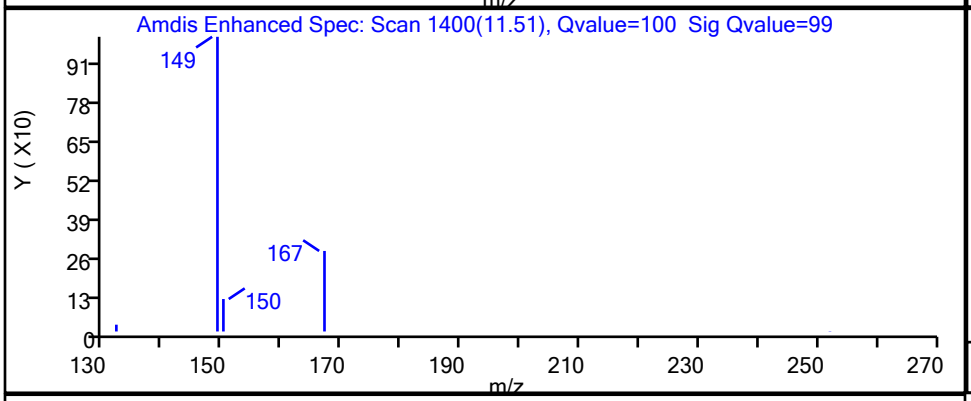
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

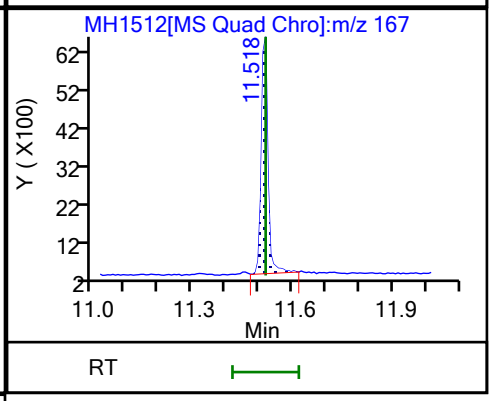
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

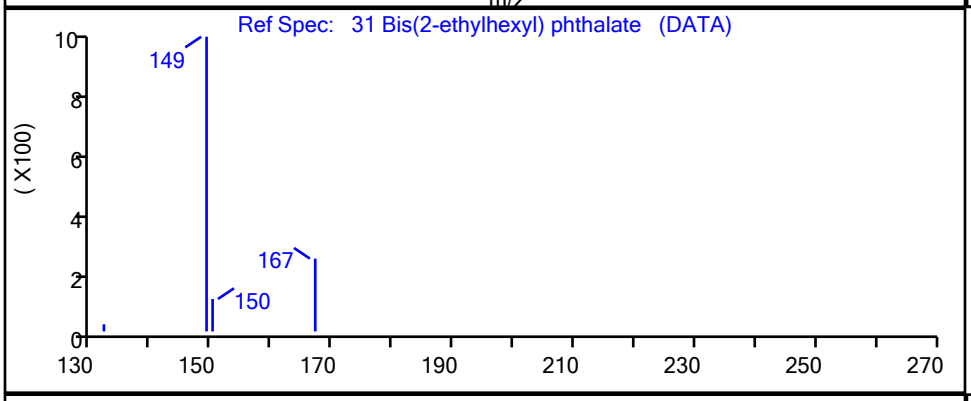
31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

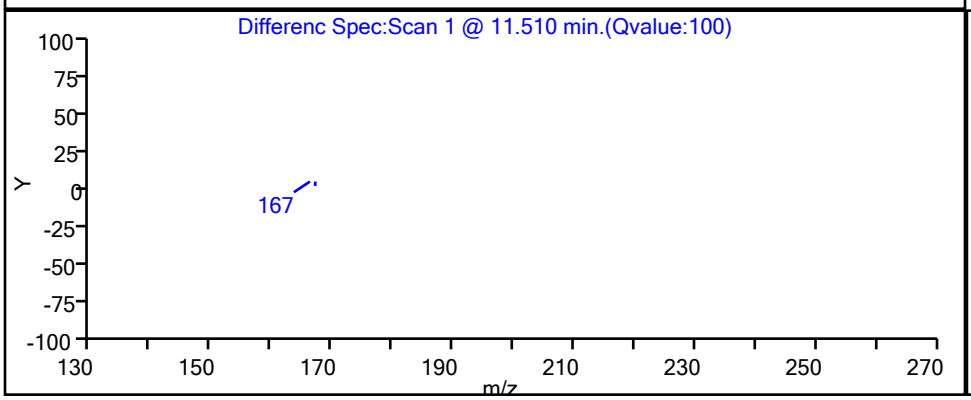


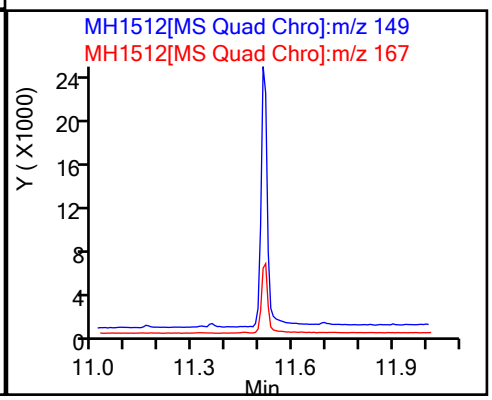










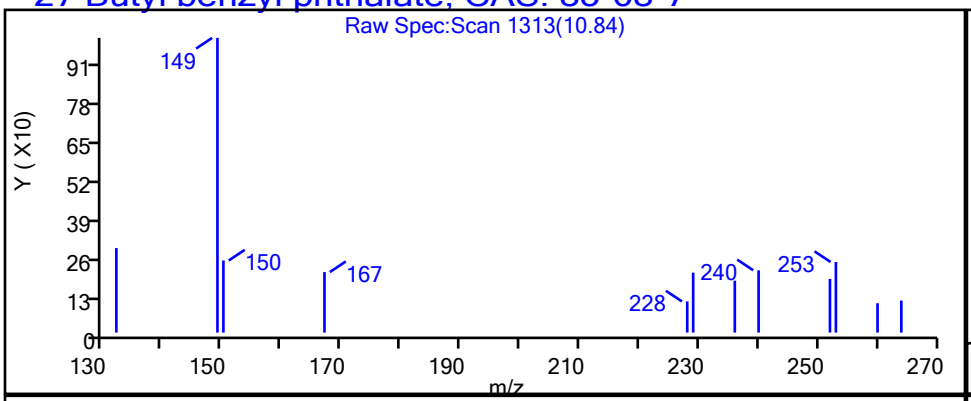


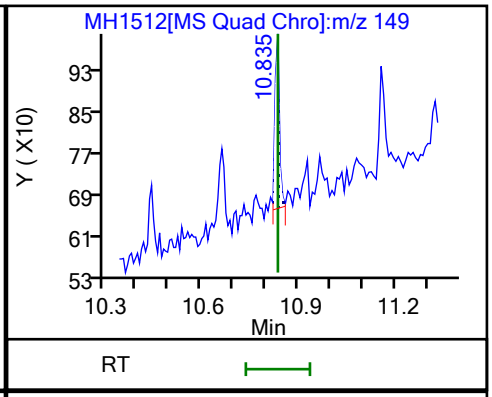
Report Date: 23-Aug-2022 13:29:58 Chrom Revision: 2.3 21-Aug-2022 20:49:52

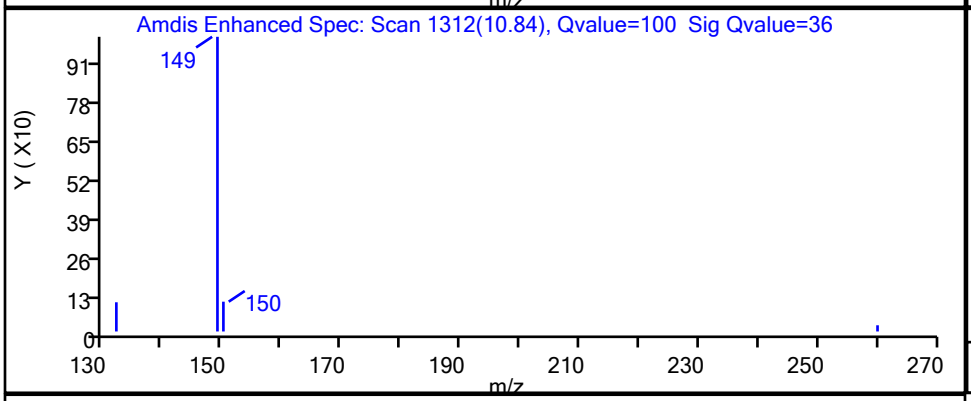
Eurofins Lancaster Laboratories Environment Testing, LLC

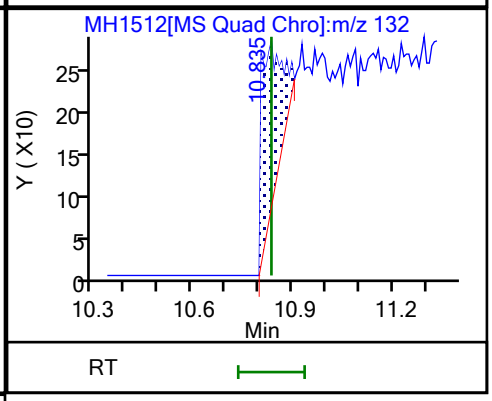
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1512.D				
Injection Date:	22-Aug-2022 11:14:24	Instrument ID:	HP21585		
Lims ID:	410-94417-D-3-A RE	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

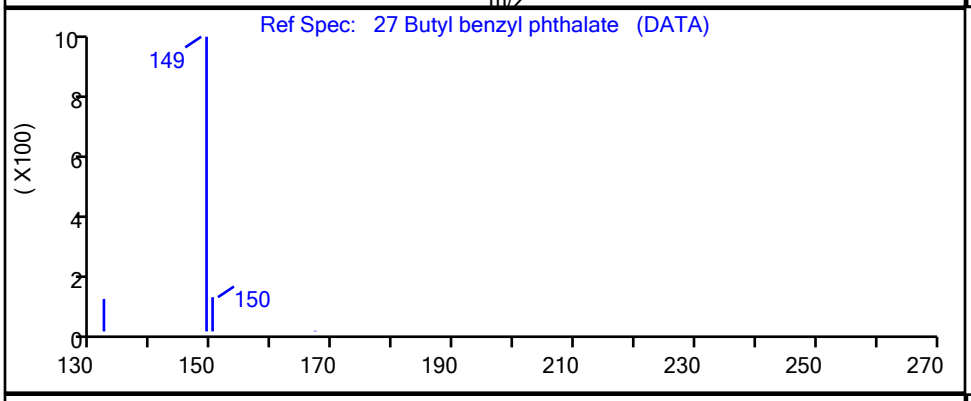
27 Butyl benzyl phthalate, CAS: 85-68-7

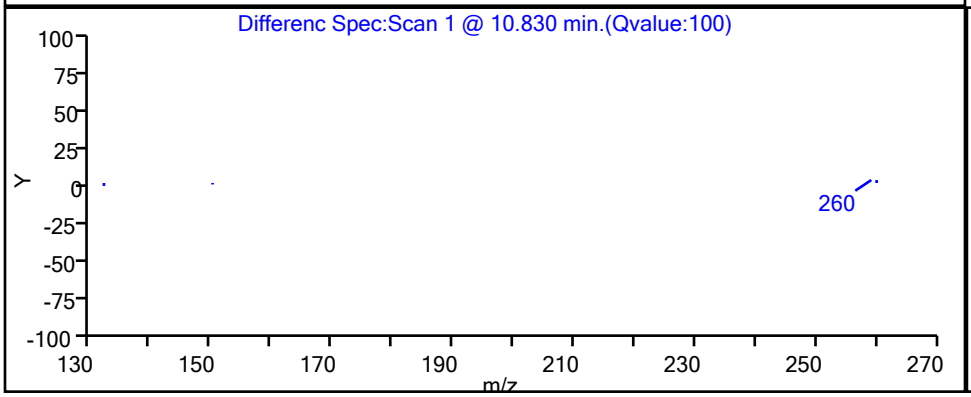


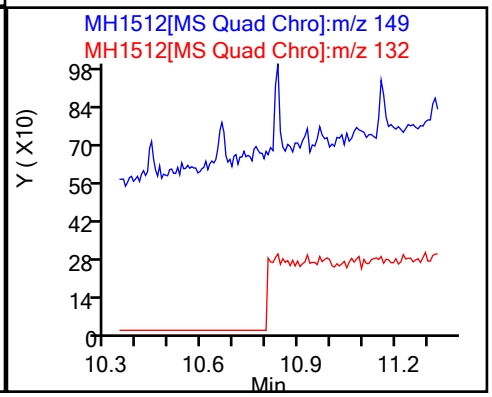












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

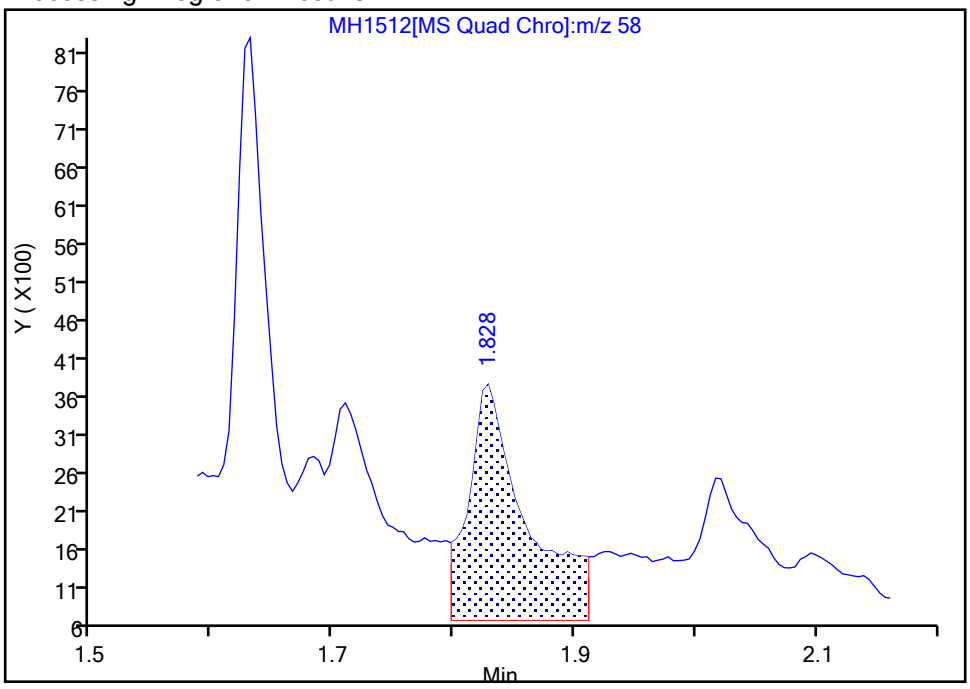
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1512.D				
Injection Date:	22-Aug-2022 11:14:24	Instrument ID:	HP21585		
Lims ID:	410-94417-D-3-A RE	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 2

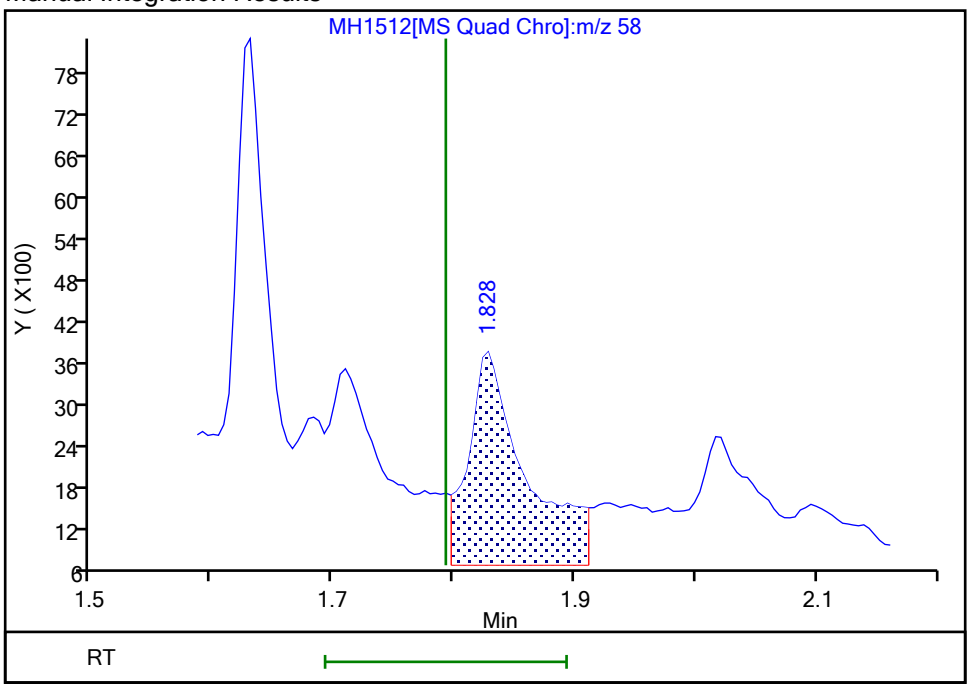
Processing Integration Results

RT: 1.83
Area: 10139
Amount: 0.058841
Amount Units: ug/ml



Manual Integration Results

RT: 1.83
Area: 10139
Amount: 0.023090
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:50:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

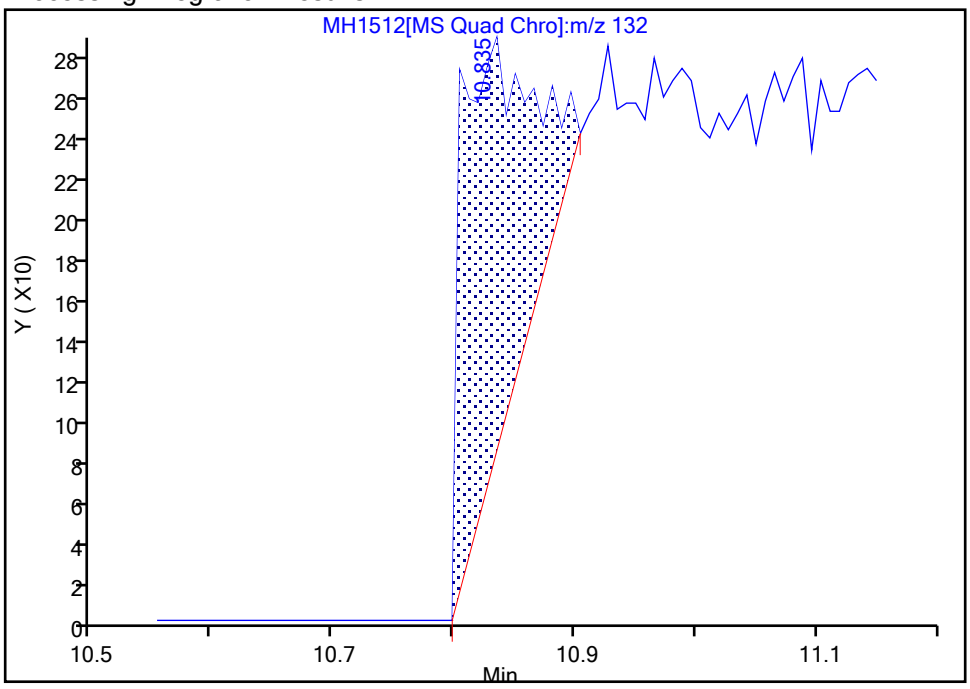
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1512.D				
Injection Date:	22-Aug-2022 11:14:24	Instrument ID:	HP21585		
Lims ID:	410-94417-D-3-A RE	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 Butyl benzyl phthalate, CAS: 85-68-7

Signal: 2

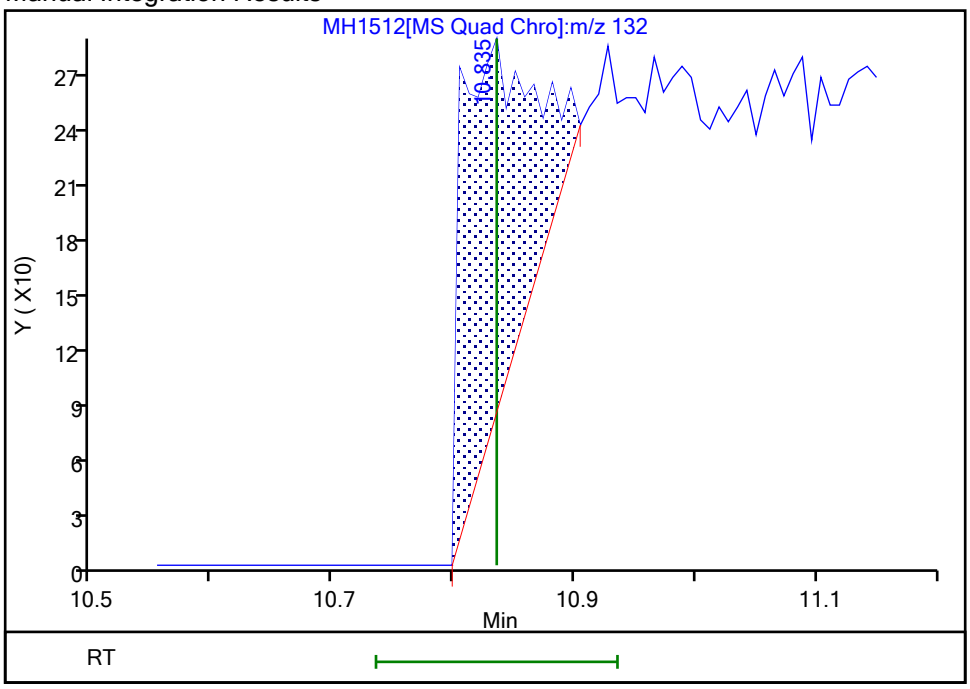
Processing Integration Results

RT: 10.84
Area: 832
Amount: 0.038222
Amount Units: ug/ml



Manual Integration Results

RT: 10.84
Area: 832
Amount: 0.037664
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:51:00

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

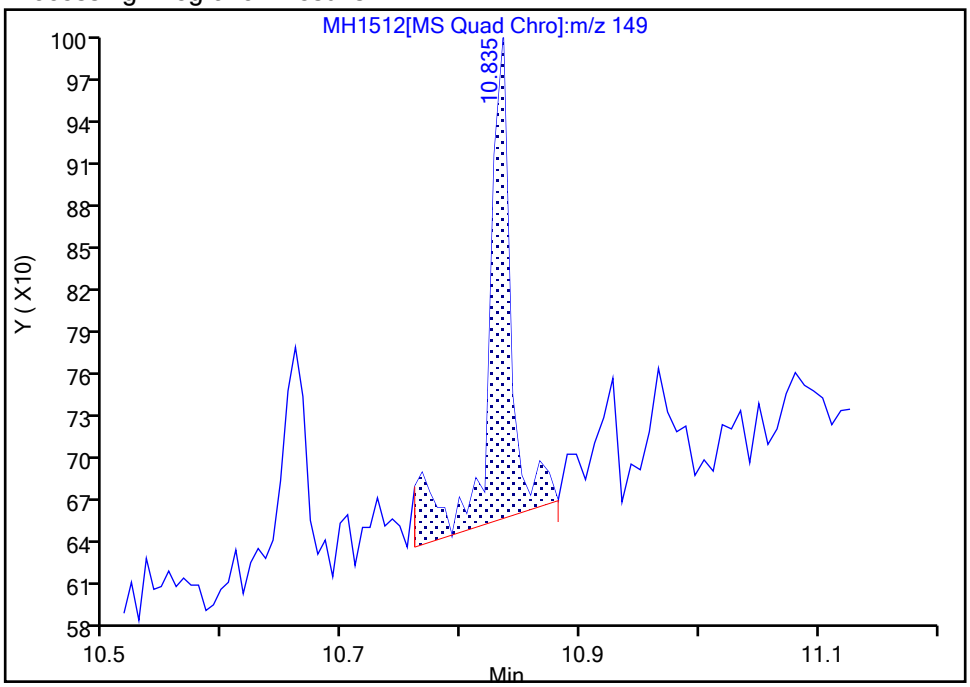
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1512.D				
Injection Date:	22-Aug-2022 11:14:24	Instrument ID:	HP21585		
Lims ID:	410-94417-D-3-A RE	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 Butyl benzyl phthalate, CAS: 85-68-7

Signal: 1

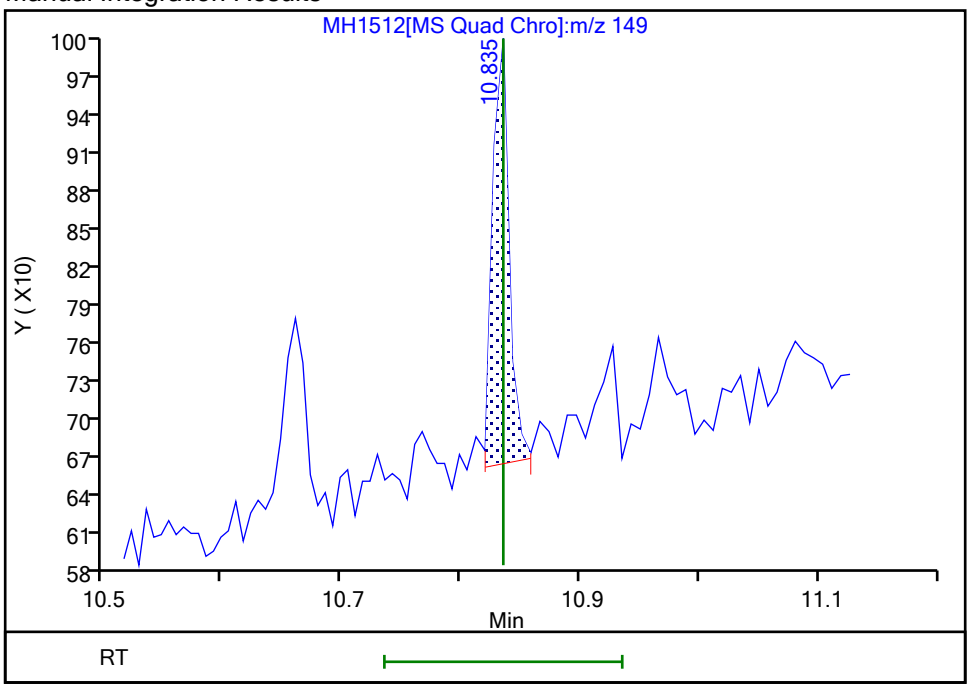
Processing Integration Results

RT: 10.84
Area: 454
Amount: 0.038222
Amount Units: ug/ml



Manual Integration Results

RT: 10.84
Area: 319
Amount: 0.037664
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:51:06

Audit Action: Manually Integrated Audit Reason: Baseline

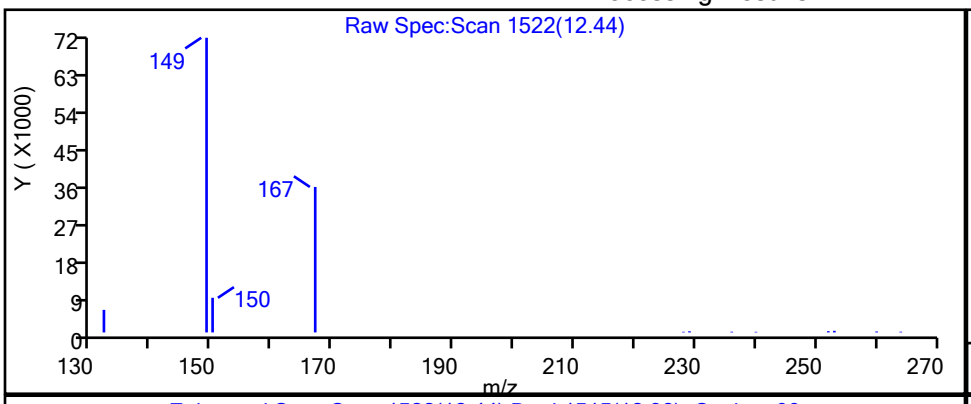
User Disabled Compound Report

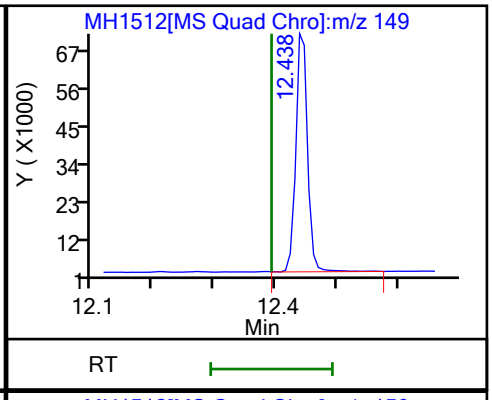
Eurofins Lancaster Laboratories Environment Testing, LLC

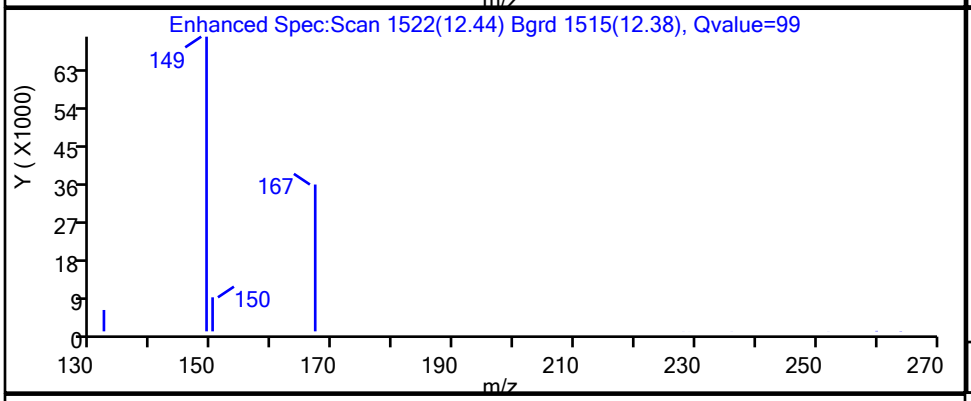
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1512.D				
Injection Date:	22-Aug-2022 11:14:24	Instrument ID:	HP21585		
Lims ID:	410-94417-D-3-A RE	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

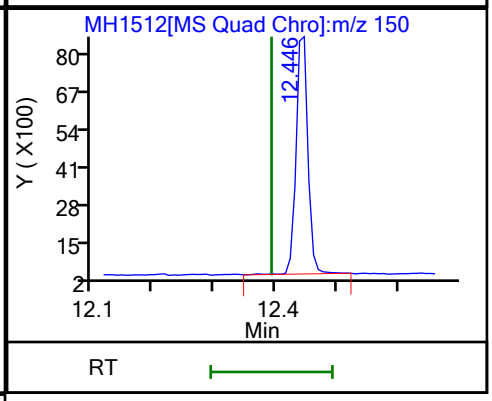
32 Di-n-octyl phthalate, CAS: 117-84-0

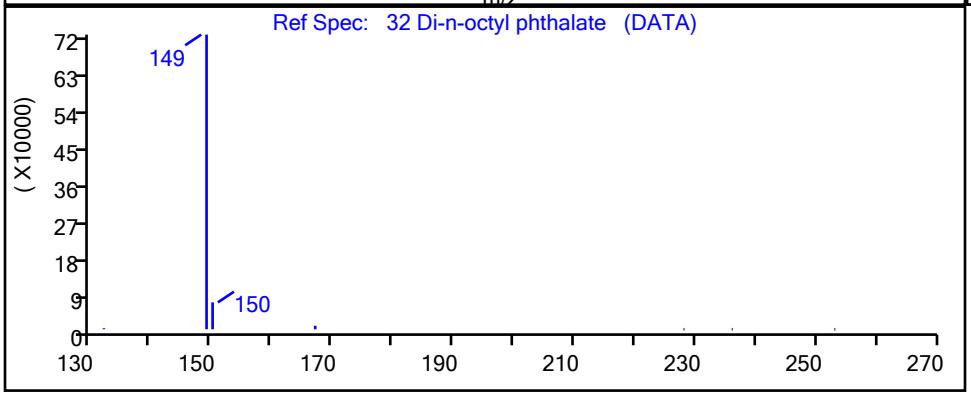
Processing Results











RT	Mass	Response	Amount
12.44	149.00	93894	0.181181
12.45	150.00	11130	

Reviewer: SJ89, 22-Aug-2022 18:51:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

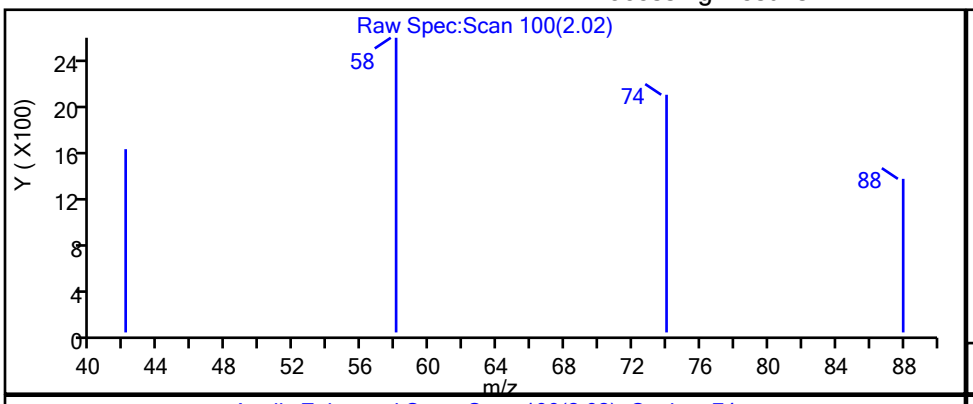
User Disabled Compound Report

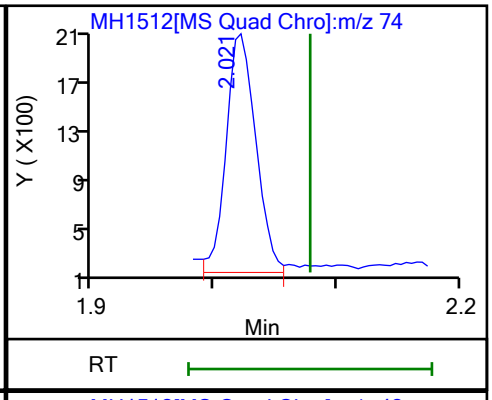
Eurofins Lancaster Laboratories Environment Testing, LLC

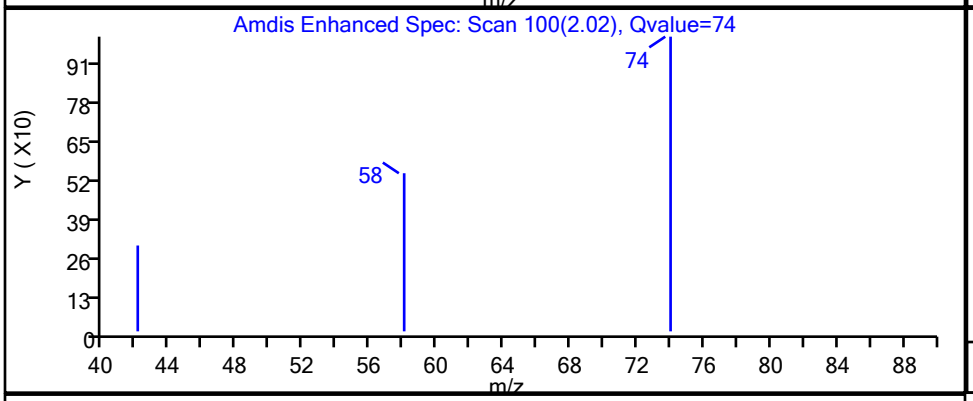
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1512.D				
Injection Date:	22-Aug-2022 11:14:24	Instrument ID:	HP21585		
Lims ID:	410-94417-D-3-A RE	Lab Sample ID:	410-94417-3		
Client ID:	DUP-01_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

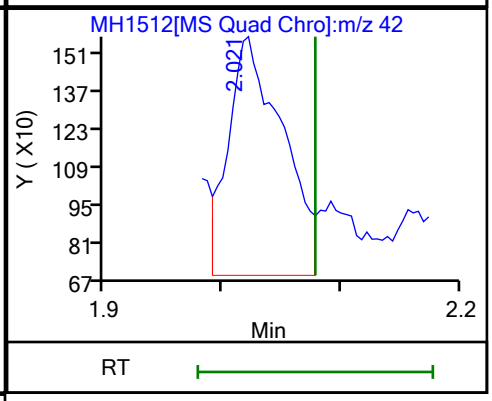
2 N-Nitrosodimethylamine, CAS: 62-75-9

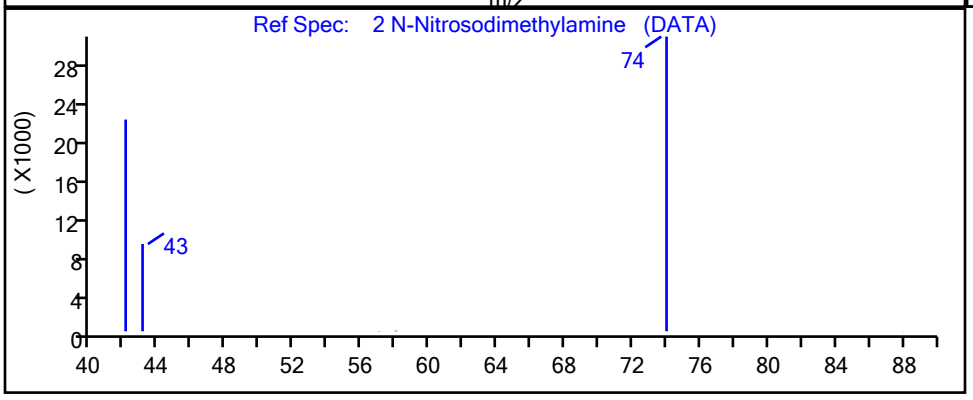
Processing Results











RT	Mass	Response	Amount
2.02	74.00	3154	0.013714
2.02	42.00	2888	

Reviewer: SJ89, 22-Aug-2022 18:50:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FB-01_082022
Lab Sample ID: 410-94417-4

Matrix: Water
Lab File ID: MH1275.D

Analysis Method: 8270D SIM
Date Collected: 08/11/2022 11:45

Extract. Method: 3510C
Date Extracted: 08/16/2022 09:09

Sample wt/vol: 188.7(mL)
Date Analyzed: 08/17/2022 02:53

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 286632
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.40	0.13
90-12-0	1-Methylnaphthalene	ND		0.066	0.026
91-57-6	2-Methylnaphthalene	ND		0.066	0.026
83-32-9	Acenaphthene	ND		0.066	0.013
208-96-8	Acenaphthylene	ND		0.066	0.013
120-12-7	Anthracene	ND		0.066	0.013
56-55-3	Benzo[a]anthracene	ND		0.066	0.013
50-32-8	Benzo[a]pyrene	ND		0.066	0.013
205-99-2	Benzo[b]fluoranthene	ND		0.066	0.013
191-24-2	Benzo[g,h,i]perylene	ND		0.066	0.013
207-08-9	Benzo[k]fluoranthene	ND		0.066	0.013
111-44-4	Bis(2-chloroethyl)ether	ND		0.066	0.026
85-68-7	Butylbenzylphthalate	ND	cn	1.3	0.066
218-01-9	Chrysene	ND		0.066	0.013
53-70-3	Dibenz(a,h)anthracene	ND		0.066	0.026
132-64-9	Dibenzofuran	ND		0.066	0.013
84-66-2	Diethylphthalate	ND		1.3	0.066
131-11-3	Dimethylphthalate	ND		1.3	0.066
84-74-2	Di-n-butyl phthalate	0.096	J	1.3	0.066
117-84-0	Di-n-octyl phthalate	ND		1.3	0.066
206-44-0	Fluoranthene	ND		0.066	0.013
86-73-7	Fluorene	ND		0.066	0.013
118-74-1	Hexachlorobenzene	ND		0.066	0.026
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.066	0.026
91-20-3	Naphthalene	ND		0.093	0.040
62-75-9	N-Nitrosodimethylamine	ND		0.066	0.026
85-01-8	Phenanthrene	ND		0.093	0.040
129-00-0	Pyrene	ND		0.066	0.013

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FB-01_082022 Lab Sample ID: 410-94417-4

Matrix: Water Lab File ID: MH1275.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 11:45

Extract. Method: 3510C Date Extracted: 08/16/2022 09:09

Sample wt/vol: 188.7(mL) Date Analyzed: 08/17/2022 02:53

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 286632 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	62		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	76		10-110
93951-69-0	Fluoranthene-d10 (Surr)	76		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1275.D
Lims ID: 410-94417-G-4-A
Client ID: FB-01_082022
Sample Type: Client
Inject. Date: 17-Aug-2022 02:53:14 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-4-A
Misc. Info.: 410-0064300-025
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 17-Aug-2022 03:47:36 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: UJM0 Date: 17-Aug-2022 03:47:00

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.824	1.824	0.013	86	2883	0.0128	7M
*	4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	82	80069	0.2500	
*	5 Naphthalene-d8	136	5.730	5.729	0.001	91	284928	0.2500	
$	9 1-Methylnaphthalene-d10	152	6.456	6.456	0.001	99	100154	0.1538	
*	13 Acenaphthene-d10	164	7.381	7.381	0.000	98	142764	0.2500	
*	20 Phenanthrene-d10	188	8.791	8.799	-0.008	95	248469	0.2500	
	23 Di-n-butyl phthalate	149	9.358	9.358	-0.006	100	16504	0.0181	M
$	24 Fluoranthene-d10 (Surr)	212	9.929	9.935	-0.006	98	199109	0.1902	
*	29 Chrysene-d12	240	11.466	11.466	0.000	55	206201	0.2500	
	31 Bis(2-ethylhexyl) phthalate	149	11.519	11.519	-0.008	100	10954	0.0627	M
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.299	13.291	0.000	100	156903	0.1903	
*	38 Perylene-d12	264	13.414	13.421	-0.007	100	223017	0.2500	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

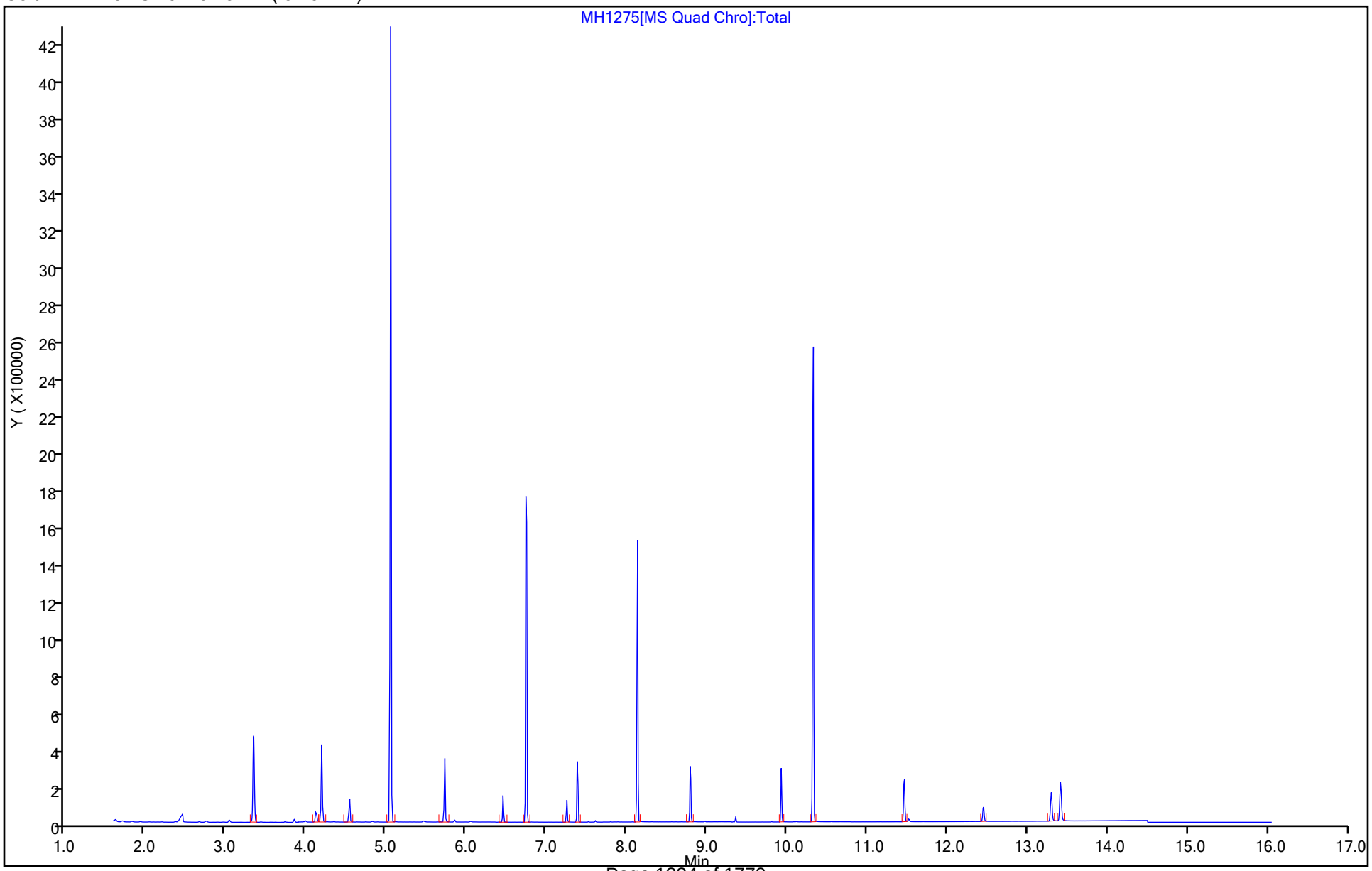
MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Aug-2022 03:47:42 Chrom Revision: 2.3 16-Aug-2022 20:53:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1275.D				
Injection Date:	17-Aug-2022 02:53:14	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	410-94417-G-4-A	Lab Sample ID:	410-94417-4	Worklist Smp#:	25
Client ID:	FB-01_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Report Date: 17-Aug-2022 03:47:42 Chrom Revision: 2.3 16-Aug-2022 20:53:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1275.D				
Lims ID:	410-94417-G-4-A				
Client ID:	FB-01_082022				
Sample Type:	Client				
Inject. Date:	17-Aug-2022 02:53:14	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-94417-G-4-A				
Misc. Info.:	410-0064300-025				
Operator ID:	kel10217	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	17-Aug-2022 03:47:36	Calib Date:	28-Jul-2022 21:32:00		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1601				

First Level Reviewer: UJM0 Date: 17-Aug-2022 03:47:00

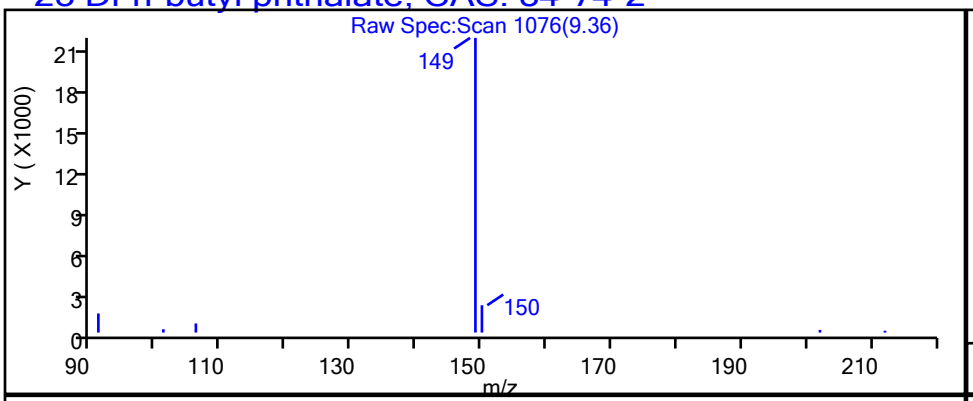
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1538	61.53
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1902	76.08
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1903	76.13

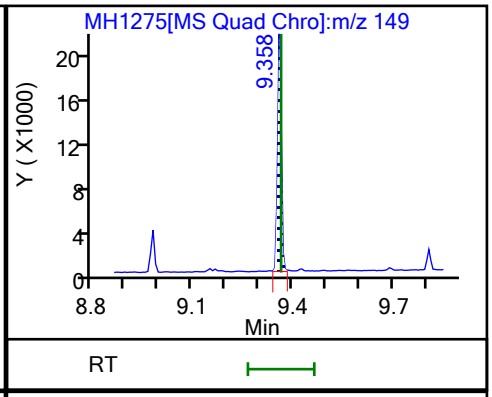
Report Date: 17-Aug-2022 03:47:42 Chrom Revision: 2.3 16-Aug-2022 20:53:50

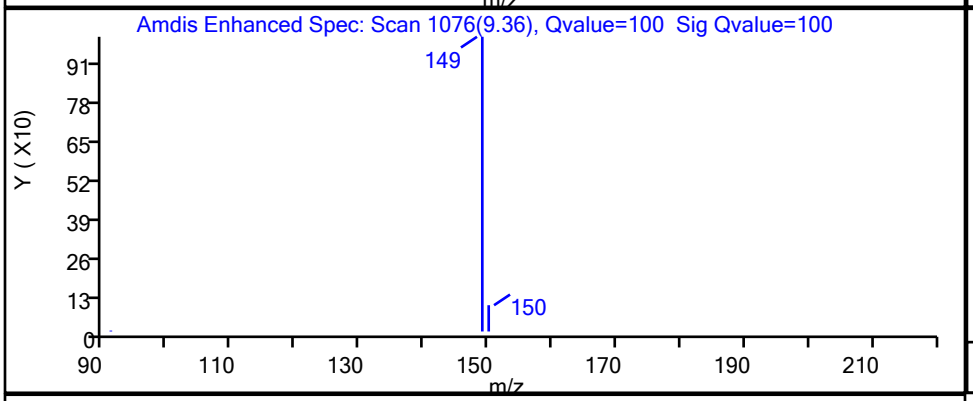
Eurofins Lancaster Laboratories Environment Testing, LLC

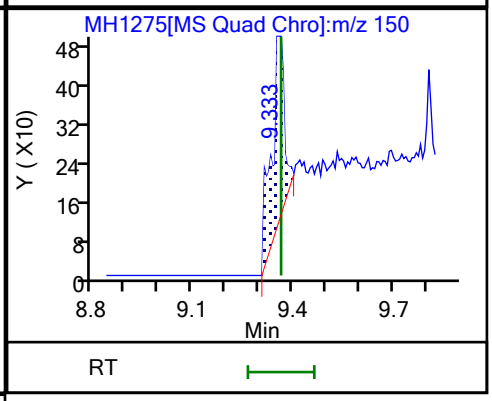
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1275.D				
Injection Date:	17-Aug-2022 02:53:14	Instrument ID:	HP21585		
Lims ID:	410-94417-G-4-A	Lab Sample ID:	410-94417-4		
Client ID:	FB-01_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

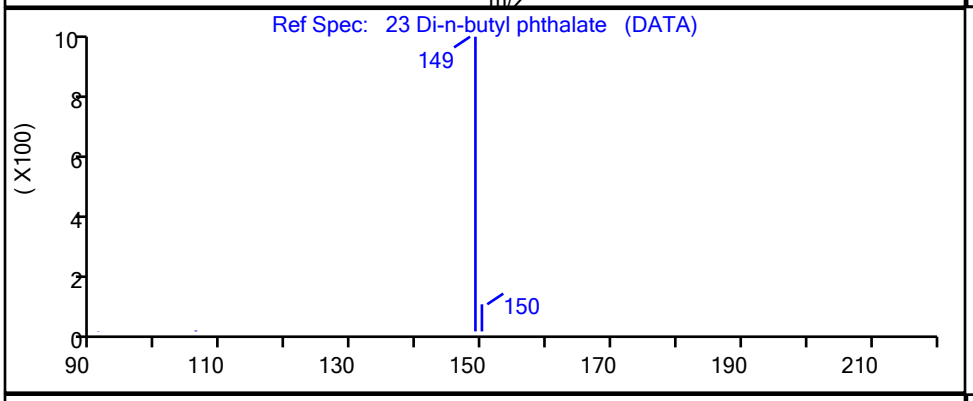
23 Di-n-butyl phthalate, CAS: 84-74-2

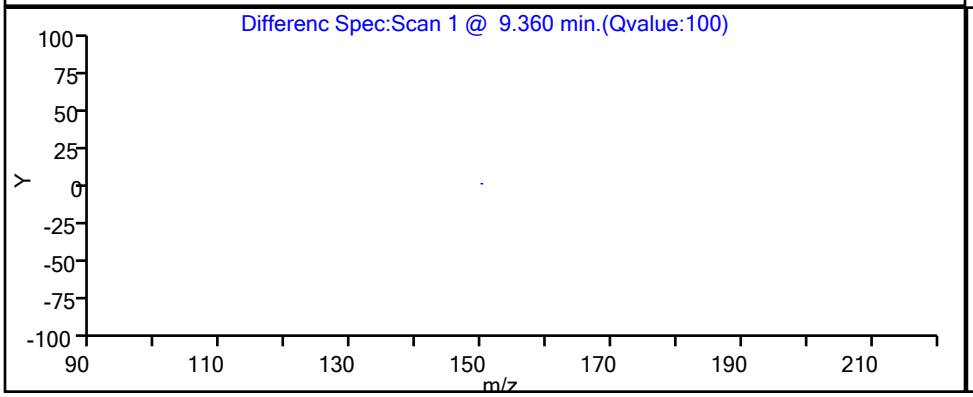


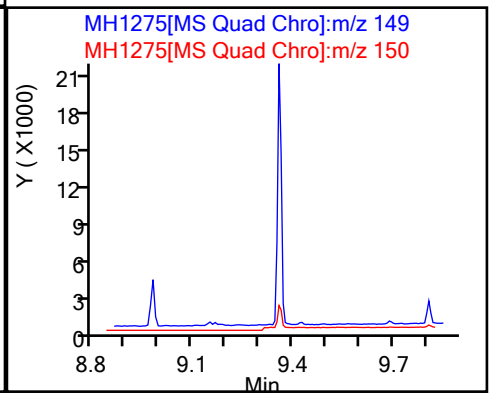












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

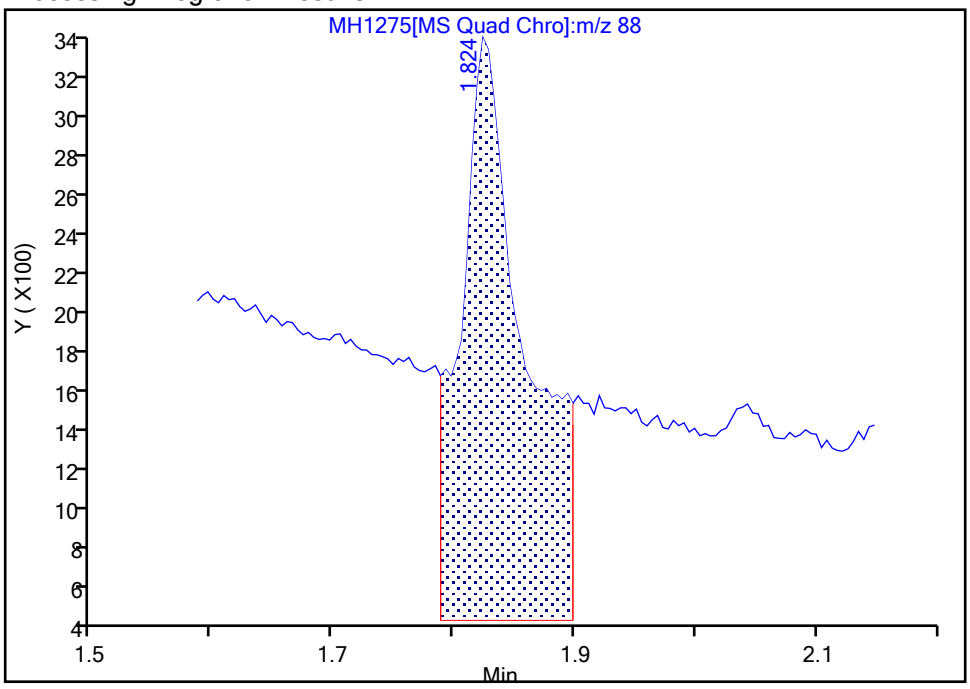
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1275.D				
Injection Date:	17-Aug-2022 02:53:14	Instrument ID:	HP21585		
Lims ID:	410-94417-G-4-A	Lab Sample ID:	410-94417-4		
Client ID:	FB-01_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

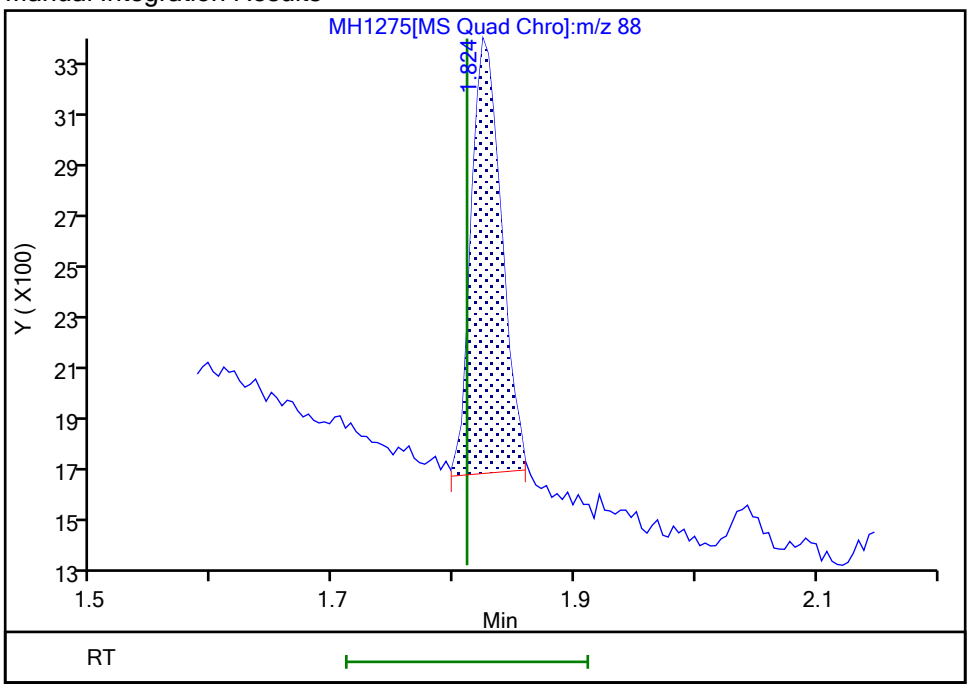
Processing Integration Results

RT: 1.82
Area: 10503
Amount: 0.046642
Amount Units: ug/ml



Manual Integration Results

RT: 1.82
Area: 2883
Amount: 0.012803
Amount Units: ug/ml



Reviewer: UJM0, 17-Aug-2022 03:46:19

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

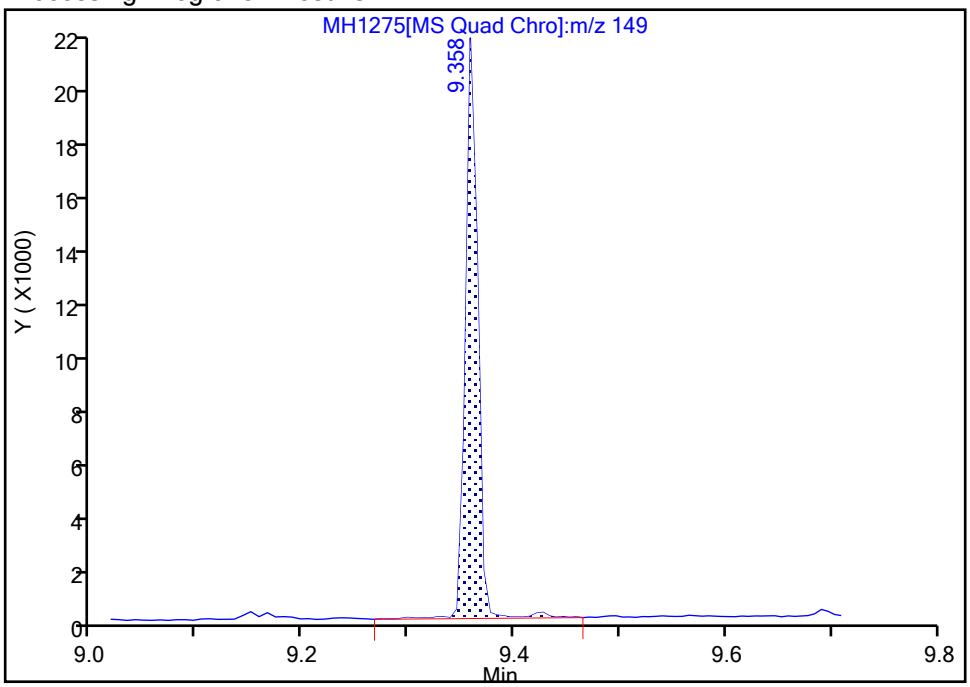
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1275.D				
Injection Date:	17-Aug-2022 02:53:14	Instrument ID:	HP21585		
Lims ID:	410-94417-G-4-A	Lab Sample ID:	410-94417-4		
Client ID:	FB-01_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

23 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

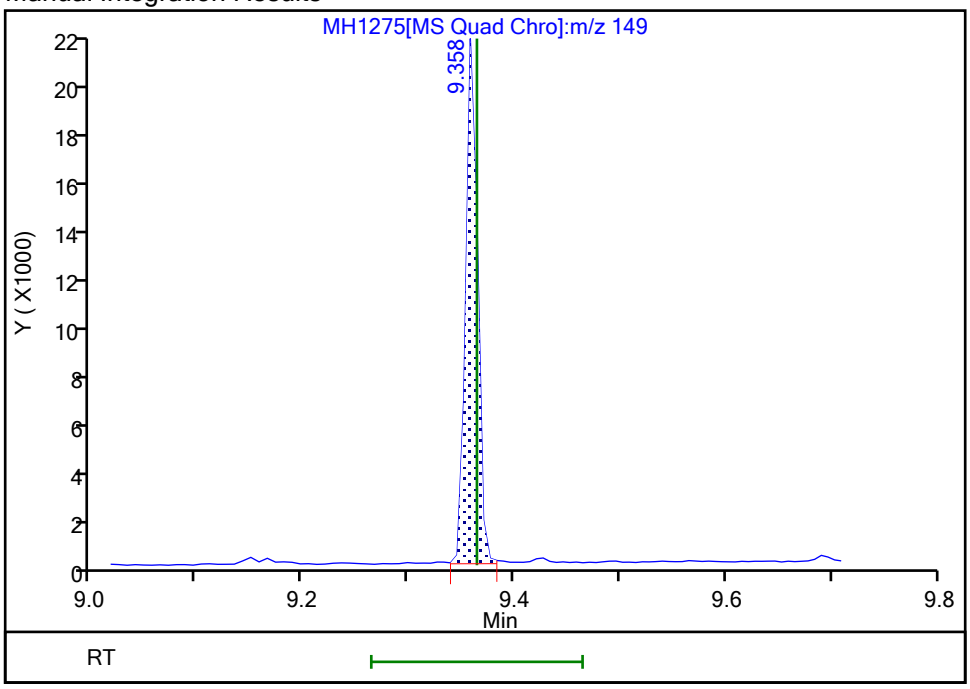
Processing Integration Results

RT: 9.36
Area: 16966
Amount: 0.018584
Amount Units: ug/ml



Manual Integration Results

RT: 9.36
Area: 16504
Amount: 0.018078
Amount Units: ug/ml



Reviewer: UJM0, 17-Aug-2022 03:46:35

Audit Action: Manually Integrated Audit Reason: Baseline

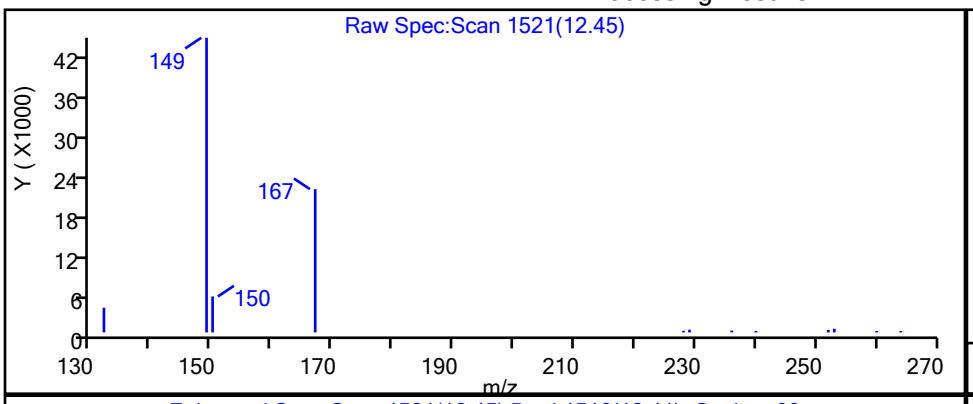
User Disabled Compound Report

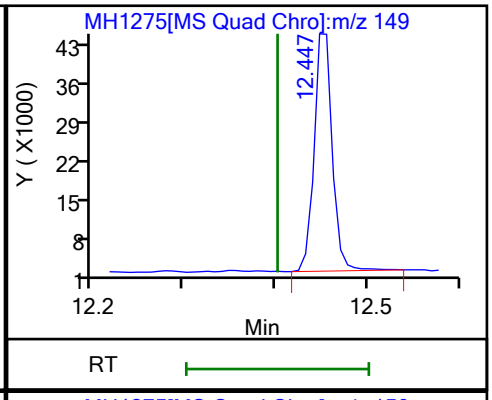
Eurofins Lancaster Laboratories Environment Testing, LLC

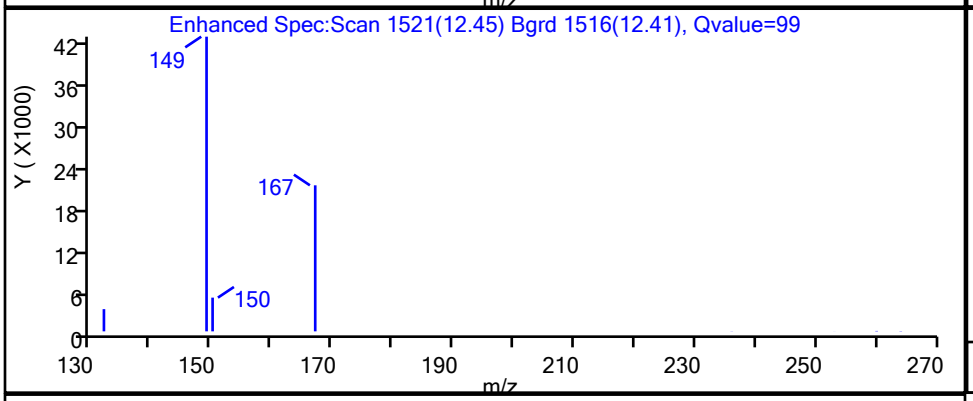
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1275.D				
Injection Date:	17-Aug-2022 02:53:14	Instrument ID:	HP21585		
Lims ID:	410-94417-G-4-A	Lab Sample ID:	410-94417-4		
Client ID:	FB-01_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

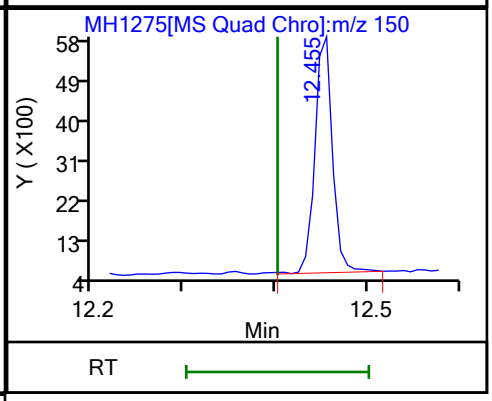
32 Di-n-octyl phthalate, CAS: 117-84-0

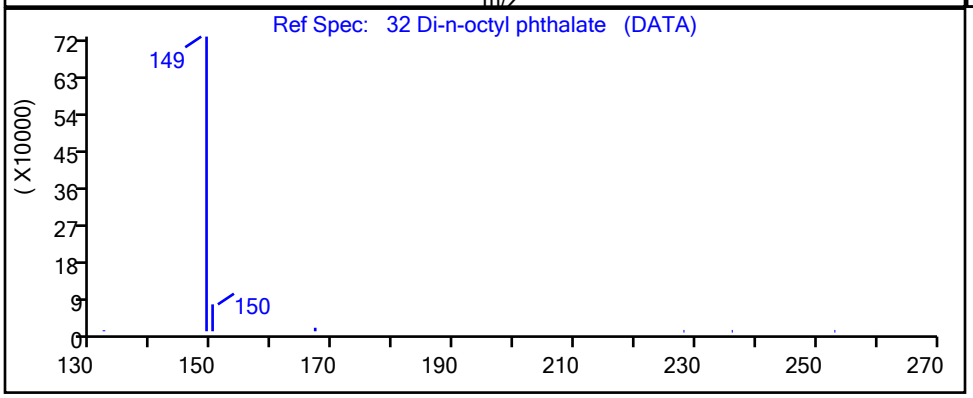
Processing Results











RT	Mass	Response	Amount
12.45	149.00	58207	0.118658
12.46	150.00	7042	

Reviewer: UJM0, 17-Aug-2022 03:46:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FB-01_082022 RA Lab Sample ID: 410-94417-4 RA

Matrix: Water Lab File ID: NH1159.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 11:45

Extract. Method: 3510C Date Extracted: 08/16/2022 09:09

Sample wt/vol: 188.7(mL) Date Analyzed: 08/17/2022 20:58

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287123 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1.3	0.066

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	67		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	74		10-110
93951-69-0	Fluoranthene-d10 (Surr)	73		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1159.D
Lims ID: 410-94417-G-4-A
Client ID: FB-01_082022
Sample Type: Client
Inject. Date: 17-Aug-2022 20:58:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-4-A
Misc. Info.: 410-0064397-010
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 18-Aug-2022 01:50:45 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: UJM0 Date: 18-Aug-2022 03:26:38

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.521	1.508	0.013	94	2095	0.0120	7M
*	4 1,4-Dichlorobenzene-d4	152	4.367	4.380	-0.013	79	62766	0.2500	
*	5 Naphthalene-d8	136	5.592	5.592	0.000	100	209295	0.2500	
$	9 1-Methylnaphthalene-d10	152	6.324	6.324	0.000	100	76482	0.1676	
*	13 Acenaphthene-d10	164	7.256	7.256	0.000	99	102119	0.2500	
*	20 Phenanthrene-d10	188	8.668	8.660	0.008	100	168217	0.2500	
	23 Di-n-butyl phthalate	149	9.240	9.240	0.000	100	11453	0.0184	
$	24 Fluoranthene-d10 (Surr)	212	9.798	9.798	0.000	98	125064	0.1836	
*	29 Chrysene-d12	240	11.280	11.280	0.000	82	118314	0.2500	
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.044	13.044	0.000	99	79871	0.1857	
*	38 Perylene-d12	264	13.159	13.159	0.000	97	113869	0.2500	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

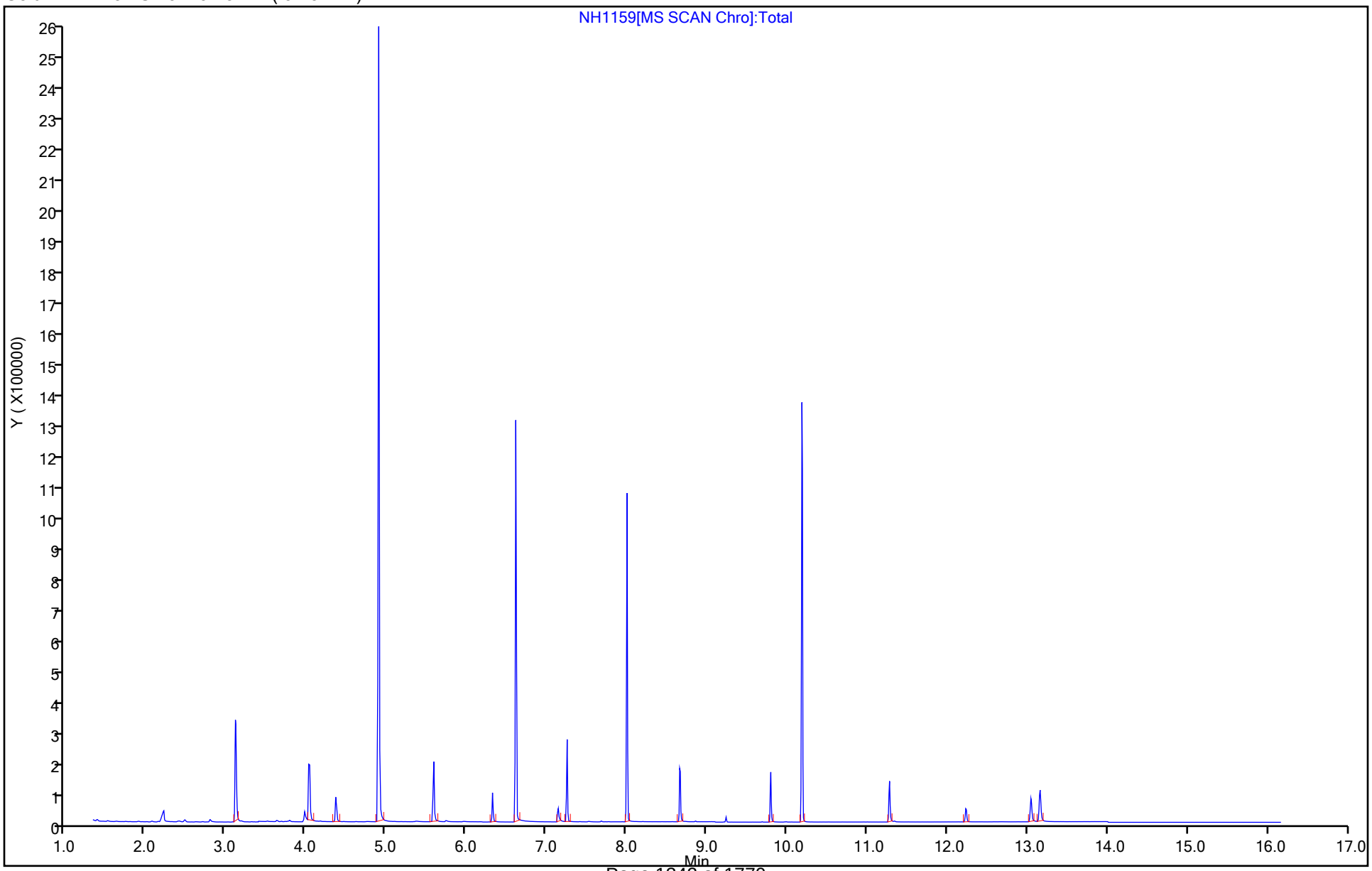
Report Date: 18-Aug-2022 03:56:47 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1159.D

Injection Date:	17-Aug-2022 20:58:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	410-94417-G-4-A	Lab Sample ID:	410-94417-4	Worklist Smp#:	10
Client ID:	FB-01_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1159.D
Lims ID: 410-94417-G-4-A
Client ID: FB-01_082022
Sample Type: Client
Inject. Date: 17-Aug-2022 20:58:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-4-A
Misc. Info.: 410-0064397-010
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 18-Aug-2022 01:50:45 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: UJM0 Date: 18-Aug-2022 03:26:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1676	67.06
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1836	73.44
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1857	74.27

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 280637

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2022 19:23 Calibration End Date: 07/28/2022 21:32 Calibration ID: 41344

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-280637/7	MG1356.D
Level 2	IC 410-280637/6	MG1355.D
Level 3	IC 410-280637/5	MG1354.D
Level 4	ICIS 410-280637/2	MG1351b.D
Level 5	IC 410-280637/4	MG1353.D
Level 6	IC 410-280637/3	MG1352.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.7175 0.7237	0.6749	0.6963	0.7081	0.6981	Ave		0.7031				2.5		20.4			
N-Nitrosodimethylamine	0.7974 0.8944	0.8343	0.8685	0.8868	0.8819	Ave		0.8605				4.4		20.4			
Bis(2-chloroethyl)ether	0.4645 0.4170	0.4318	0.4487	0.4345	0.4281	Ave		0.4374				3.8		20.4			
Naphthalene	1.3329 1.1789	1.2558	1.2724	1.2442	1.2134	Ave		1.2496				4.2		20.4			
Quinoline	0.7337 0.7393	0.7061	0.7430	0.7495	0.7386	Ave		0.7350				2.1		20.4			
2-Methylnaphthalene	0.8294 0.7287	0.7723	0.7795	0.7663	0.7411	Ave		0.7695				4.6		20.4			
1-Methylnaphthalene	0.7613 0.6912	0.7162	0.7298	0.7159	0.6973	Ave		0.7186				3.5		20.4			
Dimethylphthalate	1.0724 1.2388	1.3004	1.2890	1.3070	1.2541	Ave		1.2436				7.1		20.4			
Acenaphthylene	2.0606 2.1198	1.9343	1.9731	2.0304	1.9974	Ave		2.0193				3.3		20.4			
Acenaphthene	1.3005 1.2884	1.2228	1.2276	1.2645	1.2155	Ave		1.2532				2.9		20.4			
Dibenzofuran	2.0238 1.8952	1.9051	1.9100	1.8838	1.8016	Ave		1.9032				3.7		20.4			
Diethylphthalate	0.9761 1.2203	1.2164	1.2244	1.2604	1.2490	Ave		1.1911				9.0		20.4			
Fluorene	1.5252 1.4961	1.4397	1.4586	1.4753	1.4479	Ave		1.4738				2.2		20.4			
N-Nitrosodiphenylamine	0.5247 0.4402	0.4964	0.4988	0.4942	0.4692	Ave		0.4872				6.0		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 280637

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2022 19:23 Calibration End Date: 07/28/2022 21:32 Calibration ID: 41344

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobenzene	0.2556 0.2325	0.2329	0.2370	0.2350	0.2266	Ave		0.2366				4.2		20.4			
Phenanthrene	1.2918 1.1750	1.1932	1.1887	1.1901	1.1552	Ave		1.1990				4.0		20.4			
Anthracene	1.1346 1.1591	1.0663	1.1012	1.1371	1.1112	Ave		1.1183				2.9		20.4			
Di-n-butyl phthalate	0.6558 0.8876	0.8927	0.9623	1.0282	1.0849	Ave		0.9186				16.3		20.4			
Fluoranthene	1.3486 1.3384	1.2629	1.2791	1.2874	1.2766	Ave		1.2988				2.7		20.4			
Pyrene	1.8780 1.5800	1.6271	1.6272	1.5918	1.5139	Ave		1.6363				7.7		20.4			
Butylbenzylphthalate	0.2178 0.5059	0.2881	0.3294	0.3975	0.4494	Qua2	-0.012	0.3311	0.0191872						0.9970		0.9900
Benzo[a]anthracene	1.3787 1.3782	1.2615	1.2711	1.3017	1.2749	Ave		1.3110				4.1		20.4			
Chrysene	1.5822 1.4299	1.4788	1.4769	1.4561	1.3672	Ave		1.4652				4.8		20.4			
Bis(2-ethylhexyl) phthalate	0.3307 0.7479	0.4330	0.5049	0.5964	0.6723	Qua2	-0.018	0.5036	0.0270059						0.9970		0.9900
Di-n-octyl phthalate	0.5120 1.1675	0.6947	0.8122	0.9926	1.0959	Qua2	-0.034	0.8350	0.0385214						0.9950		0.9900
Benzo[b]fluoranthene	1.5361 1.3312	1.3490	1.3393	1.3498	1.2431	Ave		1.3581				7.1		20.4			
Benzo[k]fluoranthene	1.5267 1.3615	1.4375	1.4679	1.4877	1.4151	Ave		1.4494				4.0		20.4			
Benzo[e]pyrene	1.4246 1.2450	1.3171	1.3243	1.3204	1.2289	Ave		1.3101				5.3		20.4			
Benzo[a]pyrene	1.1933 1.2724	1.1804	1.2400	1.3066	1.2387	Ave		1.2386				3.8		20.4			
Perylene	1.5566 1.2391	1.4021	1.3916	1.3134	1.2289	Ave		1.3553				9.1		20.4			
Indeno[1,2,3-cd]pyrene	1.0517 1.1015	1.0039	1.0235	1.0988	1.0369	Ave		1.0527				3.8		20.4			
Dibenz(a,h)anthracene	1.1634 1.2724	1.1753	1.2204	1.2833	1.2194	Ave		1.2224				4.0		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 280637

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2022 19:23 Calibration End Date: 07/28/2022 21:32 Calibration ID: 41344

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[g,h,i]perylene	1.4057 1.3314	1.3398	1.3469	1.3803	1.2923	Ave		1.3494				2.9		20.4			
1-Methylnaphthalene-d10 (Surr)	0.6031 0.5442	0.5718	0.5859	0.5637	0.5593	Ave		0.5713				3.6		20.4			
Fluoranthene-d10 (Surr)	1.0408 1.0820	1.0338	1.0519	1.0661	1.0451	Ave		1.0533				1.7		20.4			
Benzo(a)pyrene-d12 (Surr)	0.9113 0.9517	0.8866	0.9072	0.9692	0.9191	Ave		0.9242				3.3		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 280637

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2022 19:23 Calibration End Date: 07/28/2022 21:32 Calibration ID: 41344

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-280637/7	MG1356.D
Level 2	IC 410-280637/6	MG1355.D
Level 3	IC 410-280637/5	MG1354.D
Level 4	ICIS 410-280637/2	MG1351b.D
Level 5	IC 410-280637/4	MG1353.D
Level 6	IC 410-280637/3	MG1352.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	1931 488191	9114	19203	88827	189515	0.0100 2.50	0.0500	0.100	0.500	1.00
N-Nitrosodimethylamine	DCBd 4	Ave	2146 603342	11267	23951	111236	239413	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-chloroethyl)ether	NPT	Ave	4321 1027207	20001	42014	193212	413146	0.0100 2.50	0.0500	0.100	0.500	1.00
Naphthalene	NPT	Ave	12399 2903614	58176	119127	553325	1171026	0.0100 2.50	0.0500	0.100	0.500	1.00
Quinoline	NPT	Ave	6825 1820992	32709	69566	333312	712826	0.0100 2.50	0.0500	0.100	0.500	1.00
2-Methylnaphthalene	NPT	Ave	7716 1794850	35775	72981	340776	715223	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene	NPT	Ave	7082 1702542	33179	68332	318363	673002	0.0100 2.50	0.0500	0.100	0.500	1.00
Dimethylphthalate	ANT	Ave	53864 6533175	333649	678708	1573185	3389431	0.100 10.0	0.500	1.00	2.50	5.00
Acenaphthylene	ANT	Ave	10350 2794969	49630	103887	488778	1079685	0.0100 2.50	0.0500	0.100	0.500	1.00
Acenaphthene	ANT	Ave	6532 1698711	31375	64637	304394	657042	0.0100 2.50	0.0500	0.100	0.500	1.00
Dibenzofuran	ANT	Ave	10165 2498864	48881	100563	453482	973851	0.0100 2.50	0.0500	0.100	0.500	1.00
Diethylphthalate	ANT	Ave	49027 6436033	312109	644688	1517029	3375774	0.100 10.0	0.500	1.00	2.50	5.00
Fluorene	ANT	Ave	7661	36941	76800	355145	782668	0.0100	0.0500	0.100	0.500	1.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 280637

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2022 19:23 Calibration End Date: 07/28/2022 21:32 Calibration ID: 41344

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
			1972532					2.50				
N-Nitrosodiphenylamine	PHN	Ave	4674 1041584	22915	46661	215520	452010	0.0100 2.50	0.0500	0.100	0.500	1.00
Hexachlorobenzene	PHN	Ave	2277 550156	10753	22170	102474	218247	0.0100 2.50	0.0500	0.100	0.500	1.00
Phenanthrene	PHN	Ave	11507 2780263	55080	111208	519003	1112794	0.0100 2.50	0.0500	0.100	0.500	1.00
Anthracene	PHN	Ave	10107 2742706	49225	103024	495927	1070418	0.0100 2.50	0.0500	0.100	0.500	1.00
Di-n-butyl phthalate	PHN	Ave	58417 8400785	412109	900251	2242033	5225245	0.100 10.0	0.500	1.00	2.50	5.00
Fluoranthene	PHN	Ave	12013 3166970	58300	119669	561442	1229710	0.0100 2.50	0.0500	0.100	0.500	1.00
Pyrene	CRY	Ave	12873 3289701	59951	124918	593420	1300828	0.0100 2.50	0.0500	0.100	0.500	1.00
Butylbenzylphthalate	CRY	Qua2	14927 4213255	106162	252875	740881	1930554	0.100 10.0	0.500	1.00	2.50	5.00
Benzo[a]anthracene	CRY	Ave	9451 2869441	46481	97577	485280	1095452	0.0100 2.50	0.0500	0.100	0.500	1.00
Chrysene	CRY	Ave	10846 2977214	54485	113375	542822	1174785	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-ethylhexyl) phthalate	CRY	Qua2	22671 6228995	159534	387631	1111580	2888456	0.100 10.0	0.500	1.00	2.50	5.00
Di-n-octyl phthalate	PRY	Qua2	31589 10464592	235365	590702	1816476	4810424	0.100 10.0	0.500	1.00	2.50	5.00
Benzo[b]fluoranthene	PRY	Ave	9478 2982935	45705	97412	494045	1091346	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[k]fluoranthene	PRY	Ave	9420 3050799	48703	106763	544528	1242338	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[e]pyrene	PRY	Ave	8790 2789894	44622	96322	483280	1078812	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[a]pyrene	PRY	Ave	7363 2851256	39990	90188	478234	1087461	0.0100 2.50	0.0500	0.100	0.500	1.00
Perylene	PRY	Ave	9604 2776696	47503	101214	480715	1078830	0.0100 2.50	0.0500	0.100	0.500	1.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	6489	34012	74444	402187	910318	0.0100	0.0500	0.100	0.500	1.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 280637

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2022 19:23 Calibration End Date: 07/28/2022 21:32 Calibration ID: 41344

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
			2468221					2.50				
Dibenz(a,h)anthracene	PRY	Ave	7178 2851136	39820	88760	469706	1070523	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[g,h,i]perylene	PRY	Ave	8673 2983498	45391	97965	505200	1134481	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene-d10 (Surr)	NPT	Ave	5610 1340376	26487	54858	250669	539784	0.0100 2.50	0.0500	0.100	0.500	1.00
Fluoranthene-d10 (Surr)	PHN	Ave	9271 2560230	47722	98410	464925	1006759	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo(a)pyrene-d12 (Surr)	PRY	Ave	5623 2132701	30039	65981	354734	806881	0.0100 2.50	0.0500	0.100	0.500	1.00

Curve Type Legend
Ave = Average ISTD
Qua2 = Quadratic 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 280637

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2022 19:23 Calibration End Date: 07/28/2022 21:32 Calibration ID: 41344

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-280637/7	MG1356.D
Level 2	IC 410-280637/6	MG1355.D
Level 3	IC 410-280637/5	MG1354.D
Level 4	ICIS 410-280637/2	MG1351b.D
Level 5	IC 410-280637/4	MG1353.D
Level 6	IC 410-280637/3	MG1352.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Butylbenzylphthalate	1.6	-8.1	-2.4	5.4	4.7	-2.2	50	30	30	30	30	30
Bis(2-ethylhexyl) phthalate	1.6	-8.9	-1.3	5.1	4.8	-2.3	50	30	30	30	30	30
Di-n-octyl phthalate	2.0	-10.4	-3.0	7.3	6.1	-3.1	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1351b.D
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 28-Jul-2022 19:23:20 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L4
Misc. Info.: 410-0062933-002, 4
Operator ID: kel10217 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Jul-2022 11:57:48 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: SJ89 Date: 28-Jul-2022 20:05:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.846	1.846	0.000	89	88827	0.5000	0.5036	M
2 N-Nitrosodimethylamine	74	2.126	2.126	0.000	90	111236	0.5000	0.5152	
3 Bis(2-chloroethyl)ether	93	4.305	4.305	0.000	78	193212	0.5000	0.4966	
* 4 1,4-Dichlorobenzene-d4	152	4.567	4.567	0.000	92	62721	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.755	5.755	0.000	91	222361	0.2500	0.2500	
6 Naphthalene	128	5.780	5.780	0.000	94	553325	0.5000	0.4978	
7 Quinoline	129	6.092	6.092	0.000	96	333312	0.5000	0.5098	
8 2-Methylnaphthalene	142	6.427	6.427	0.000	99	340776	0.5000	0.4979	
$ 9 1-Methylnaphthalene-d10	152	6.486	6.486	0.000	99	250669	0.5000	0.4933	
10 1-Methylnaphthalene	142	6.525	6.525	0.000	96	318363	0.5000	0.4981	
11 Dimethyl phthalate	163	7.165	7.165	0.000	75	1573185	2.50	2.63	
12 Acenaphthylene	152	7.284	7.284	0.000	99	488778	0.5000	0.5028	
* 13 Acenaphthene-d10	164	7.421	7.421	0.000	86	120364	0.2500	0.2500	
14 Acenaphthene	154	7.451	7.451	0.000	86	304394	0.5000	0.5045	
15 Dibenzofuran	168	7.618	7.618	0.000	83	453482	0.5000	0.4949	
16 Diethyl phthalate	149	7.832	7.832	0.000	100	1517029	2.50	2.65	
17 Fluorene	166	7.933	7.933	0.000	100	355145	0.5000	0.5005	
18 N-Nitrosodiphenylamine	169	8.050	8.050	0.000	99	215520	0.5000	0.5071	
19 Hexachlorobenzene	284	8.456	8.456	0.000	94	102474	0.5000	0.4966	
* 20 Phenanthrene-d10	188	8.831	8.831	0.000	95	218059	0.2500	0.2500	
21 Phenanthrene	178	8.847	8.847	0.000	100	519003	0.5000	0.4963	
22 Anthracene	178	8.901	8.901	0.000	100	495927	0.5000	0.5084	
23 Di-n-butyl phthalate	149	9.395	9.395	0.000	100	2242033	2.50	2.80	
$ 24 Fluoranthene-d10 (Surr)	212	9.965	9.965	0.000	99	464925	0.5000	0.5061	
25 Fluoranthene	202	9.984	9.984	0.000	100	561442	0.5000	0.4956	
26 Pyrene	202	10.204	10.204	0.000	100	593420	0.5000	0.4864	
27 Butyl benzyl phthalate	149	10.882	10.882	0.000	100	740881	2.50	2.64	
28 Benzo[a]anthracene	228	11.496	11.496	0.000	100	485280	0.5000	0.4965	
* 29 Chrysene-d12	240	11.503	11.503	0.000	89	186396	0.2500	0.2500	
30 Chrysene	228	11.534	11.534	0.000	100	542822	0.5000	0.4969	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.572	11.572	0.000	100	1111580	2.50	2.63	
32 Di-n-octyl phthalate	149	12.454	12.454	0.000	100	1816476	2.50	2.68	
33 Benzo[b]fluoranthene	252	12.922	12.922	0.000	100	494045	0.5000	0.4969	
34 Benzo[k]fluoranthene	252	12.960	12.960	0.000	100	544528	0.5000	0.5132	
35 Benzo[e]pyrene	252	13.306	13.306	0.000	100	483280	0.5000	0.5039	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.352	13.352	0.000	100	354734	0.5000	0.5243	
37 Benzo[a]pyrene	252	13.382	13.382	0.000	100	478234	0.5000	0.5275	
* 38 Perylene-d12	264	13.467	13.467	0.000	99	183007	0.2500	0.2500	
39 Perylene	252	13.505	13.505	0.000	100	480715	0.5000	0.4845	
40 Indeno[1,2,3-cd]pyrene	276	15.110	15.110	0.000	99	402187	0.5000	0.5219	M
41 Dibenz(a,h)anthracene	278	15.167	15.167	0.000	97	469706	0.5000	0.5249	
42 Benzo[g,h,i]perylene	276	15.576	15.576	0.000	99	505200	0.5000	0.5114	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00024 Amount Added: 1.00 Units: mL

Report Date: 29-Jul-2022 11:57:50 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1351b.D

Injection Date: 28-Jul-2022 19:23:20 Instrument ID: HP21585 Operator ID: kel10217

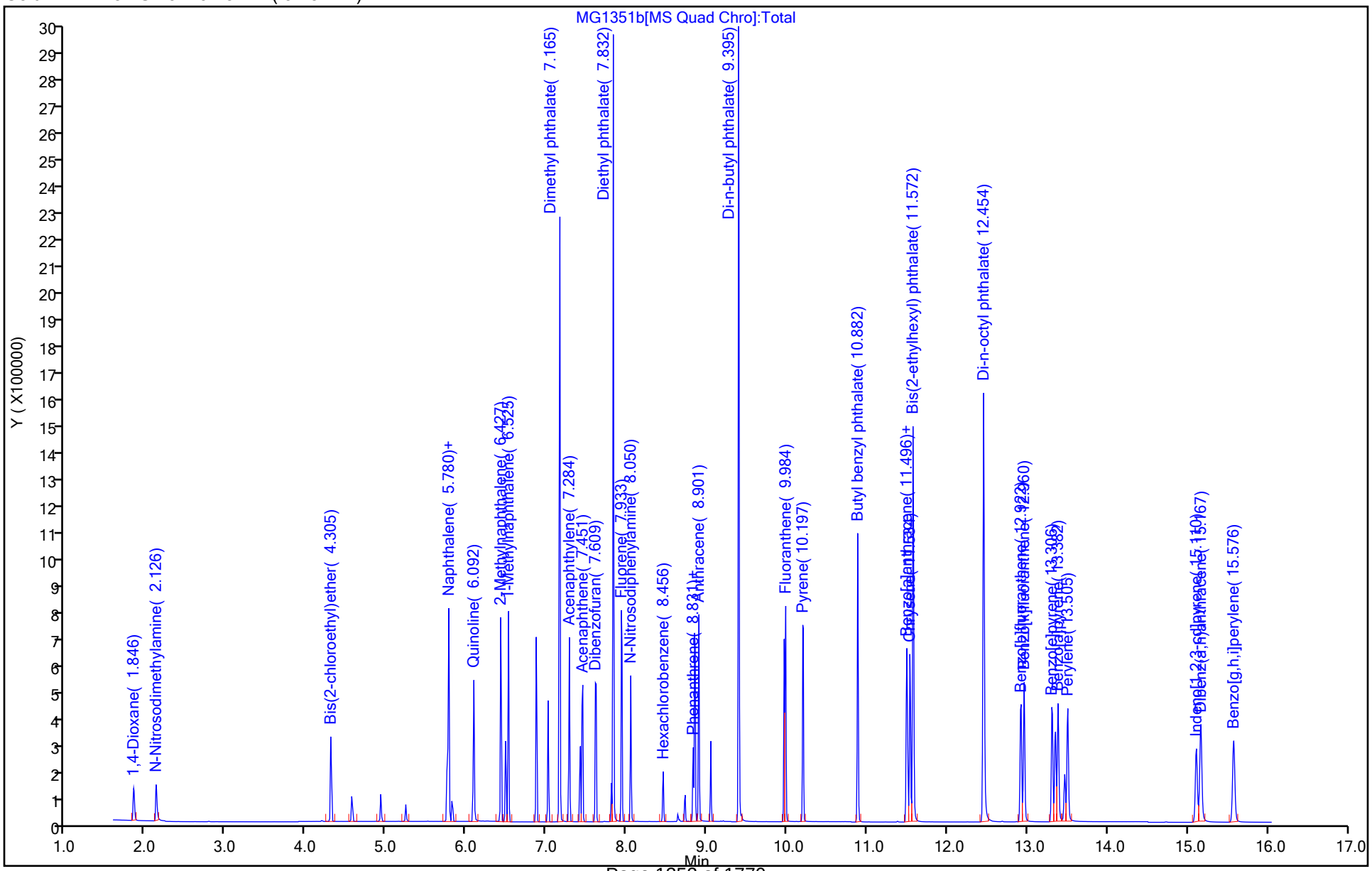
Lims ID: ICIS L4 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

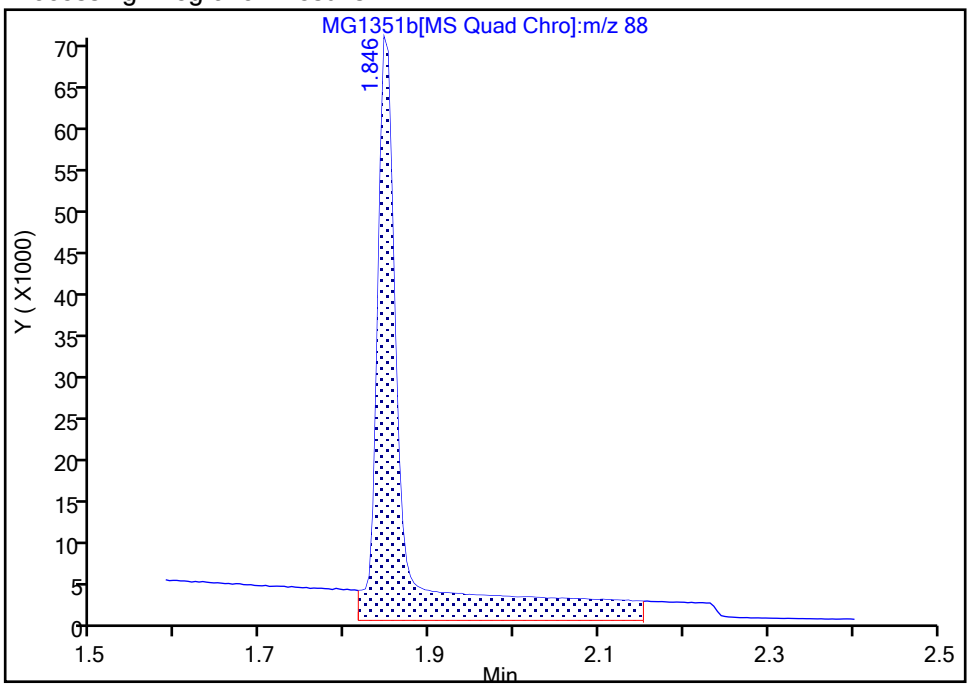
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1351b.D				
Injection Date:	28-Jul-2022 19:23:20	Instrument ID:	HP21585		
Lims ID:	ICIS L4				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

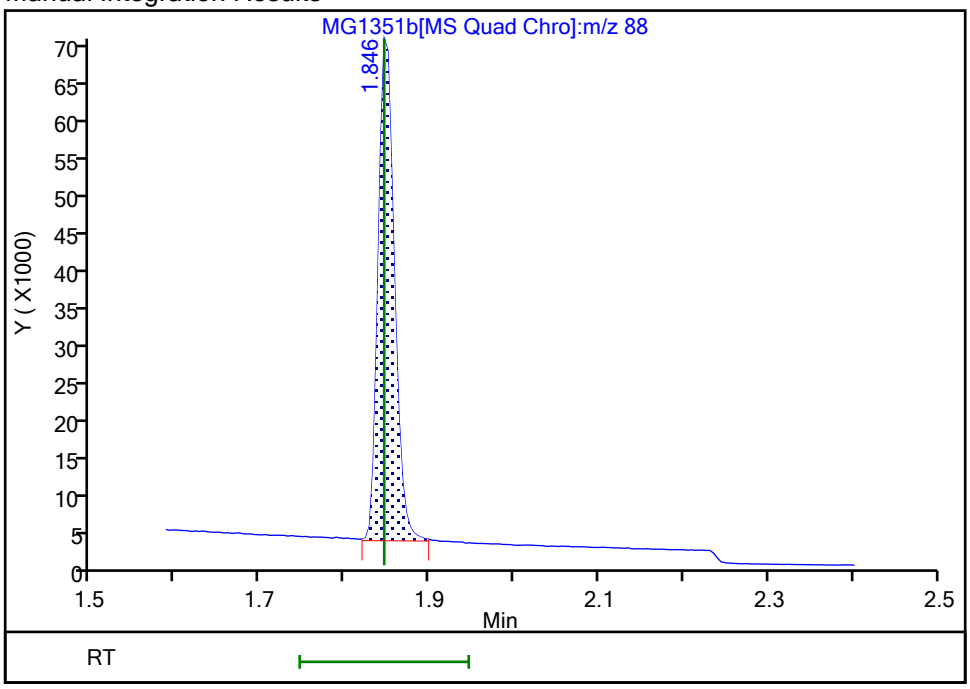
Processing Integration Results

RT: 1.85
Area: 148198
Amount: 0.165070
Amount Units: ug/ml



Manual Integration Results

RT: 1.85
Area: 88827
Amount: 0.503573
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:35:18

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

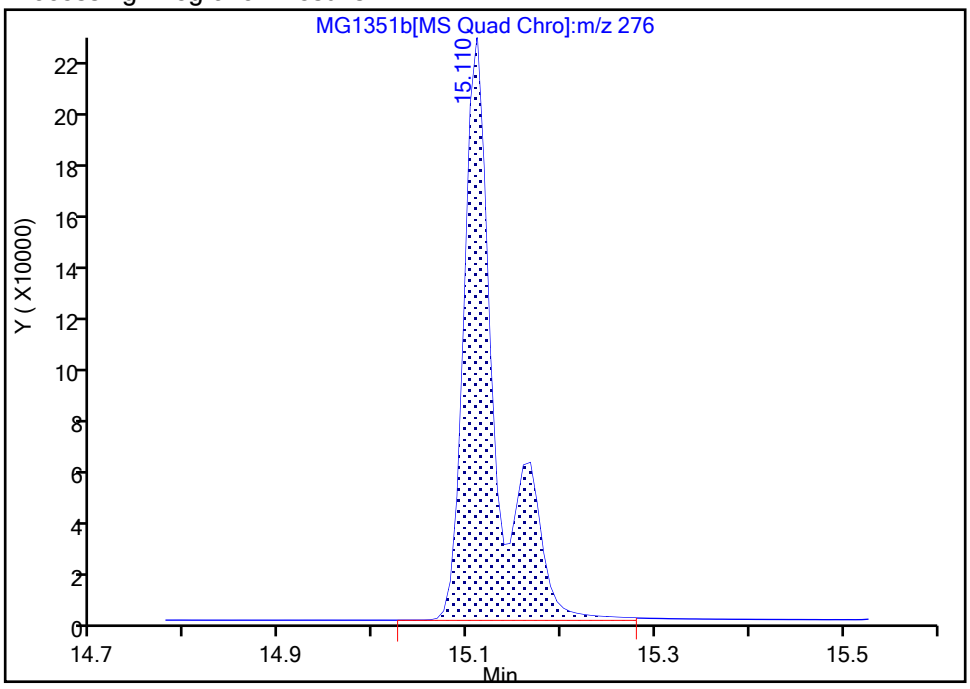
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1351b.D				
Injection Date:	28-Jul-2022 19:23:20	Instrument ID:	HP21585		
Lims ID:	ICIS L4				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

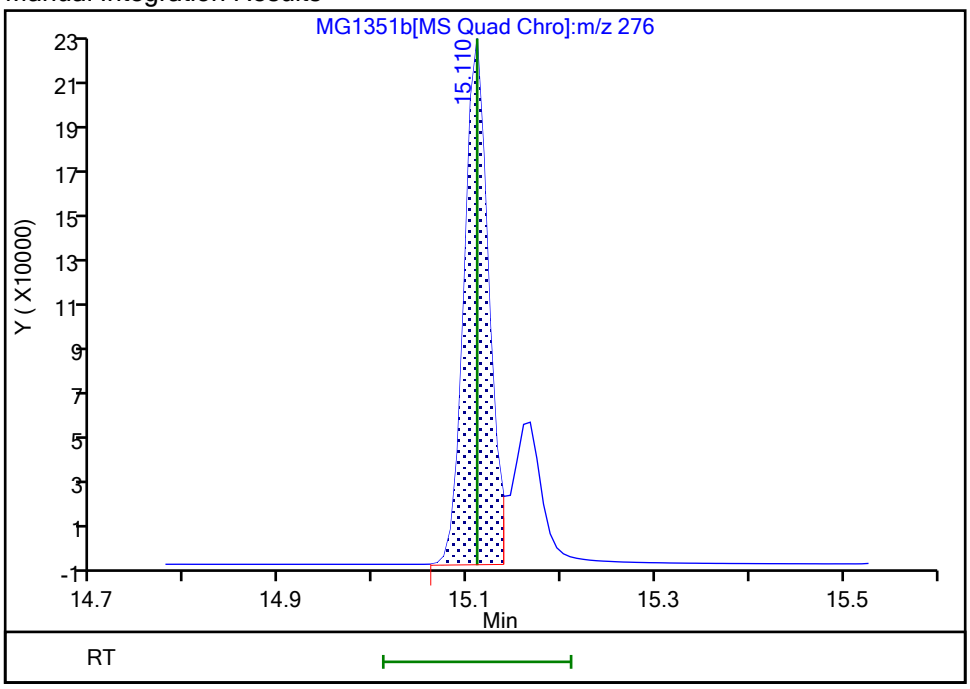
Processing Integration Results

RT: 15.11
Area: 538439
Amount: 0.509282
Amount Units: ug/ml



Manual Integration Results

RT: 15.11
Area: 402187
Amount: 0.521895
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:35:52

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1352.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 28-Jul-2022 20:06:21 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6
Misc. Info.: 410-0062933-003
Operator ID: kel10217 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Jul-2022 11:57:54 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: UWHS Date: 29-Jul-2022 11:57:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.841	1.846	-0.005	89	488191	2.50	2.57	
2 N-Nitrosodimethylamine	74	2.122	2.126	-0.004	91	603342	2.50	2.60	
3 Bis(2-chloroethyl)ether	93	4.305	4.305	0.000	78	1027207	2.50	2.38	
* 4 1,4-Dichlorobenzene-d4	152	4.567	4.567	0.000	87	67460	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.755	5.755	-0.001	91	246308	0.2500	0.2500	
6 Naphthalene	128	5.780	5.780	0.000	94	2903614	2.50	2.36	
7 Quinoline	129	6.092	6.092	0.000	93	1820992	2.50	2.51	
8 2-Methylnaphthalene	142	6.427	6.427	0.000	99	1794850	2.50	2.37	
$ 9 1-Methylnaphthalene-d10	152	6.496	6.486	0.010	96	1340376	2.50	2.38	
10 1-Methylnaphthalene	142	6.525	6.525	0.000	96	1702542	2.50	2.40	
11 Dimethyl phthalate	163	7.165	7.165	0.000	75	6533175	10.0	9.96	
12 Acenaphthylene	152	7.284	7.284	0.000	99	2794969	2.50	2.62	
* 13 Acenaphthene-d10	164	7.421	7.421	0.000	86	131849	0.2500	0.2500	
14 Acenaphthene	154	7.451	7.451	0.000	86	1698711	2.50	2.57	
15 Dibenzofuran	168	7.618	7.618	0.000	83	2498864	2.50	2.49	
16 Diethyl phthalate	149	7.832	7.832	0.000	100	6436033	10.0	10.2	
17 Fluorene	166	7.941	7.933	0.008	98	1972532	2.50	2.54	
18 N-Nitrosodiphenylamine	169	8.050	8.050	0.000	99	1041584	2.50	2.26	
19 Hexachlorobenzene	284	8.456	8.456	0.000	100	550156	2.50	2.46	
* 20 Phenanthrene-d10	188	8.831	8.831	0.000	95	236628	0.2500	0.2500	
21 Phenanthrene	178	8.854	8.847	0.007	100	2780263	2.50	2.45	
22 Anthracene	178	8.901	8.901	0.000	100	2742706	2.50	2.59	
23 Di-n-butyl phthalate	149	9.401	9.395	0.006	100	8400785	10.0	9.66	
$ 24 Fluoranthene-d10 (Surr)	212	9.965	9.965	0.000	100	2560230	2.50	2.57	
25 Fluoranthene	202	9.984	9.984	0.000	100	3166970	2.50	2.58	
26 Pyrene	202	10.204	10.204	0.000	100	3289701	2.50	2.41	
27 Butyl benzyl phthalate	149	10.882	10.882	0.000	100	4213255	10.0	9.78	
28 Benzo[a]anthracene	228	11.496	11.496	0.000	100	2869441	2.50	2.63	
* 29 Chrysene-d12	240	11.511	11.503	0.008	92	208205	0.2500	0.2500	
30 Chrysene	228	11.542	11.534	0.008	100	2977214	2.50	2.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.572	11.572	0.000	100	6228995	10.0	9.77	
32 Di-n-octyl phthalate	149	12.454	12.454	0.000	100	10464592	10.0	9.69	
33 Benzo[b]fluoranthene	252	12.922	12.922	0.000	100	2982935	2.50	2.45	
34 Benzo[k]fluoranthene	252	12.960	12.960	0.000	100	3050799	2.50	2.35	
35 Benzo[e]pyrene	252	13.313	13.306	0.007	100	2789894	2.50	2.38	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.359	13.352	0.007	100	2132701	2.50	2.57	
37 Benzo[a]pyrene	252	13.390	13.382	0.008	100	2851256	2.50	2.57	
* 38 Perylene-d12	264	13.467	13.467	0.000	100	224084	0.2500	0.2500	
39 Perylene	252	13.505	13.505	0.000	100	2776696	2.50	2.29	
40 Indeno[1,2,3-cd]pyrene	276	15.117	15.110	0.007	100	2468221	2.50	2.62	M
41 Dibenz(a,h)anthracene	278	15.174	15.167	0.007	98	2851136	2.50	2.60	
42 Benzo[g,h,i]perylene	276	15.583	15.576	0.007	99	2983498	2.50	2.47	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_6_00015 Amount Added: 1.00 Units: mL

Report Date: 29-Jul-2022 11:57:55 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1352.D

Injection Date: 28-Jul-2022 20:06:21 Instrument ID: HP21585 Operator ID: kel10217

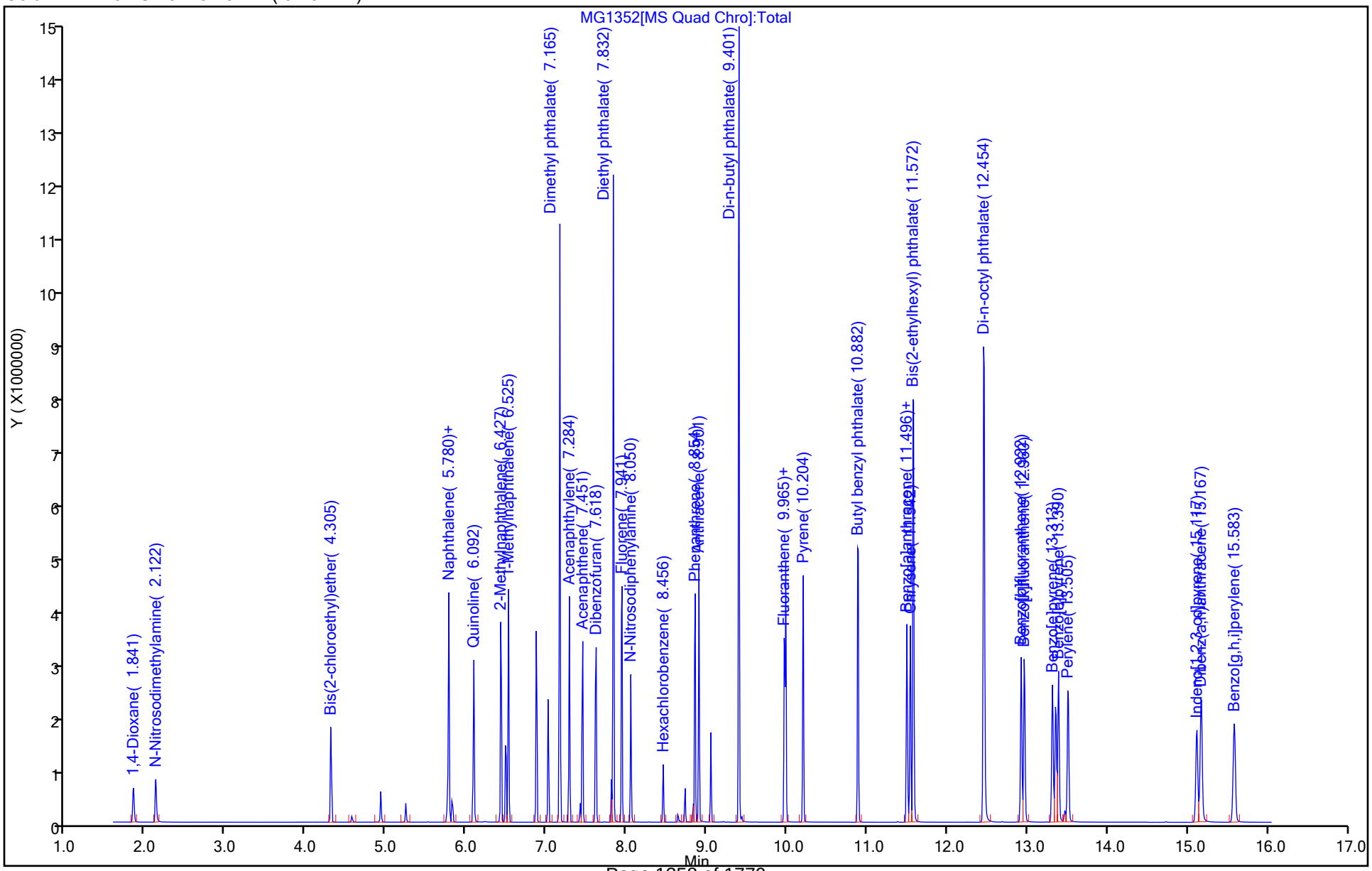
Lims ID: IC L6 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

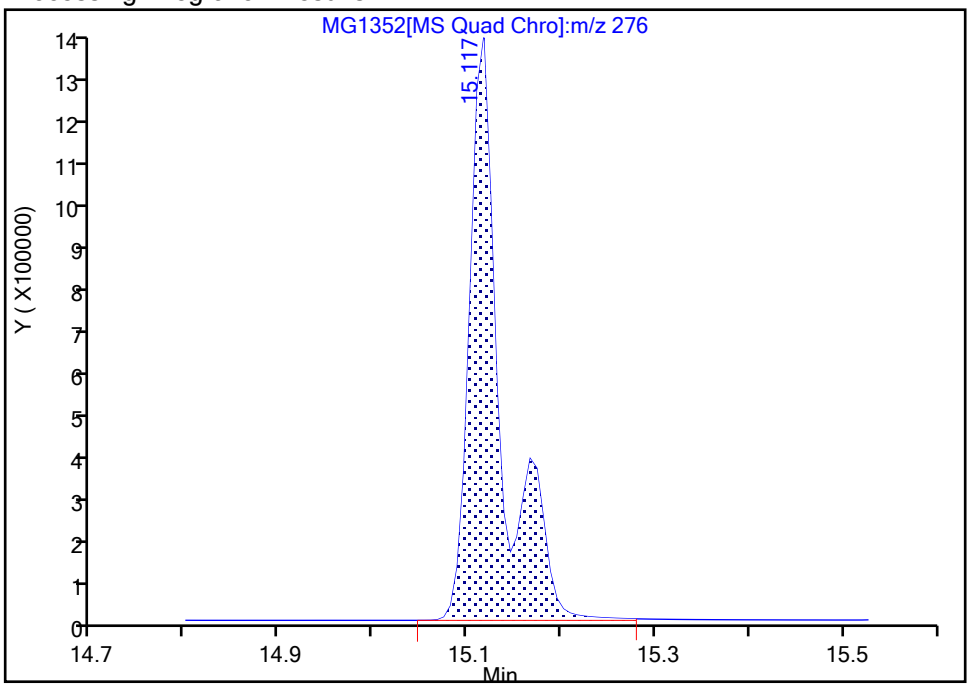
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1352.D				
Injection Date:	28-Jul-2022 20:06:21	Instrument ID:	HP21585		
Lims ID:	IC L6				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

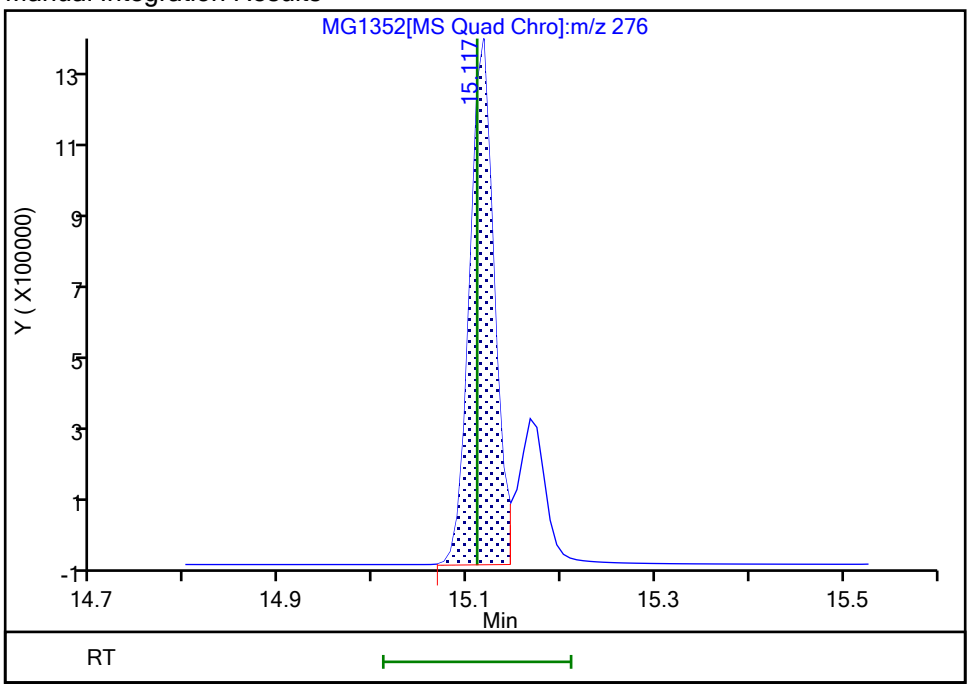
Processing Integration Results

RT: 15.12
Area: 3235008
Amount: 2.611096
Amount Units: ug/ml



Manual Integration Results

RT: 15.12
Area: 2468221
Amount: 2.615751
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:37:28

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1353.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 28-Jul-2022 20:27:39 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0062933-004
Operator ID: kel10217 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Jul-2022 11:57:43 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: UJM0 Date: 29-Jul-2022 06:38:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.850	1.859	-0.009	89	189515	1.00	0.99	M
2 N-Nitrosodimethylamine	74	2.130	2.152	-0.022	90	239413	1.00	1.02	
3 Bis(2-chloroethyl)ether	93	4.305	4.305	0.000	83	413146	1.00	0.9786	
* 4 1,4-Dichlorobenzene-d4	152	4.567	4.567	0.000	87	67871	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.754	5.754	0.000	91	241273	0.2500	0.2500	
6 Naphthalene	128	5.779	5.779	0.000	92	1171026	1.00	0.9710	
7 Quinoline	129	6.092	6.092	0.000	96	712826	1.00	1.00	
8 2-Methylnaphthalene	142	6.427	6.426	0.001	100	715223	1.00	0.9630	
$ 9 1-Methylnaphthalene-d10	152	6.486	6.486	0.000	99	539784	1.00	0.9790	
10 1-Methylnaphthalene	142	6.525	6.525	0.000	98	673002	1.00	0.9704	
11 Dimethyl phthalate	163	7.165	7.155	0.010	75	3389431	5.00	5.04	
12 Acenaphthylene	152	7.283	7.283	0.000	96	1079685	1.00	0.9892	
* 13 Acenaphthene-d10	164	7.421	7.411	0.010	92	135135	0.2500	0.2500	
14 Acenaphthene	154	7.451	7.441	0.010	89	657042	1.00	0.9699	
15 Dibenzofuran	168	7.608	7.608	0.000	83	973851	1.00	0.9466	
16 Diethyl phthalate	149	7.832	7.824	0.008	98	3375774	5.00	5.24	
17 Fluorene	166	7.933	7.933	0.000	99	782668	1.00	0.9824	
18 N-Nitrosodiphenylamine	169	8.050	8.050	0.000	98	452010	1.00	0.9630	
19 Hexachlorobenzene	284	8.456	8.448	0.008	98	218247	1.00	0.9576	
* 20 Phenanthrene-d10	188	8.823	8.823	0.000	95	240826	0.2500	0.2500	
21 Phenanthrene	178	8.846	8.846	0.000	100	1112794	1.00	0.9635	
22 Anthracene	178	8.893	8.893	0.000	100	1070418	1.00	0.99	
23 Di-n-butyl phthalate	149	9.395	9.388	0.007	100	5225245	5.00	5.91	
$ 24 Fluoranthene-d10 (Surr)	212	9.965	9.959	0.006	100	1006759	1.00	0.99	
25 Fluoranthene	202	9.978	9.978	0.000	100	1229710	1.00	0.9829	
26 Pyrene	202	10.197	10.197	0.000	100	1300828	1.00	0.9252	
27 Butyl benzyl phthalate	149	10.882	10.874	0.008	100	1930554	5.00	5.23	
28 Benzo[a]anthracene	228	11.488	11.488	0.000	100	1095452	1.00	0.9724	
* 29 Chrysene-d12	240	11.503	11.495	0.008	77	214815	0.2500	0.2500	
30 Chrysene	228	11.534	11.526	0.008	100	1174785	1.00	0.9331	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.572	11.564	0.008	99	2888456	5.00	5.24	
32 Di-n-octyl phthalate	149	12.446	12.446	0.000	100	4810424	5.00	5.31	
33 Benzo[b]fluoranthene	252	12.914	12.914	0.000	100	1091346	1.00	0.9154	
34 Benzo[k]fluoranthene	252	12.953	12.953	0.000	100	1242338	1.00	0.9764	
35 Benzo[e]pyrene	252	13.305	13.298	0.007	100	1078812	1.00	0.9380	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.344	13.344	0.000	100	806881	1.00	0.99	
37 Benzo[a]pyrene	252	13.382	13.374	0.008	100	1087461	1.00	1.00	
* 38 Perylene-d12	264	13.459	13.459	0.000	100	219472	0.2500	0.2500	
39 Perylene	252	13.497	13.497	0.000	100	1078830	1.00	0.9067	
40 Indeno[1,2,3-cd]pyrene	276	15.103	15.096	0.007	99	910318	1.00	0.9850	M
41 Dibenz(a,h)anthracene	278	15.159	15.152	0.007	98	1070523	1.00	1.00	
42 Benzo[g,h,i]perylene	276	15.569	15.562	0.007	99	1134481	1.00	0.9577	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_5_00018 Amount Added: 1.00 Units: mL

Report Date: 29-Jul-2022 11:57:44 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1353.D

Injection Date: 28-Jul-2022 20:27:39 Instrument ID: HP21585 Operator ID: kel10217

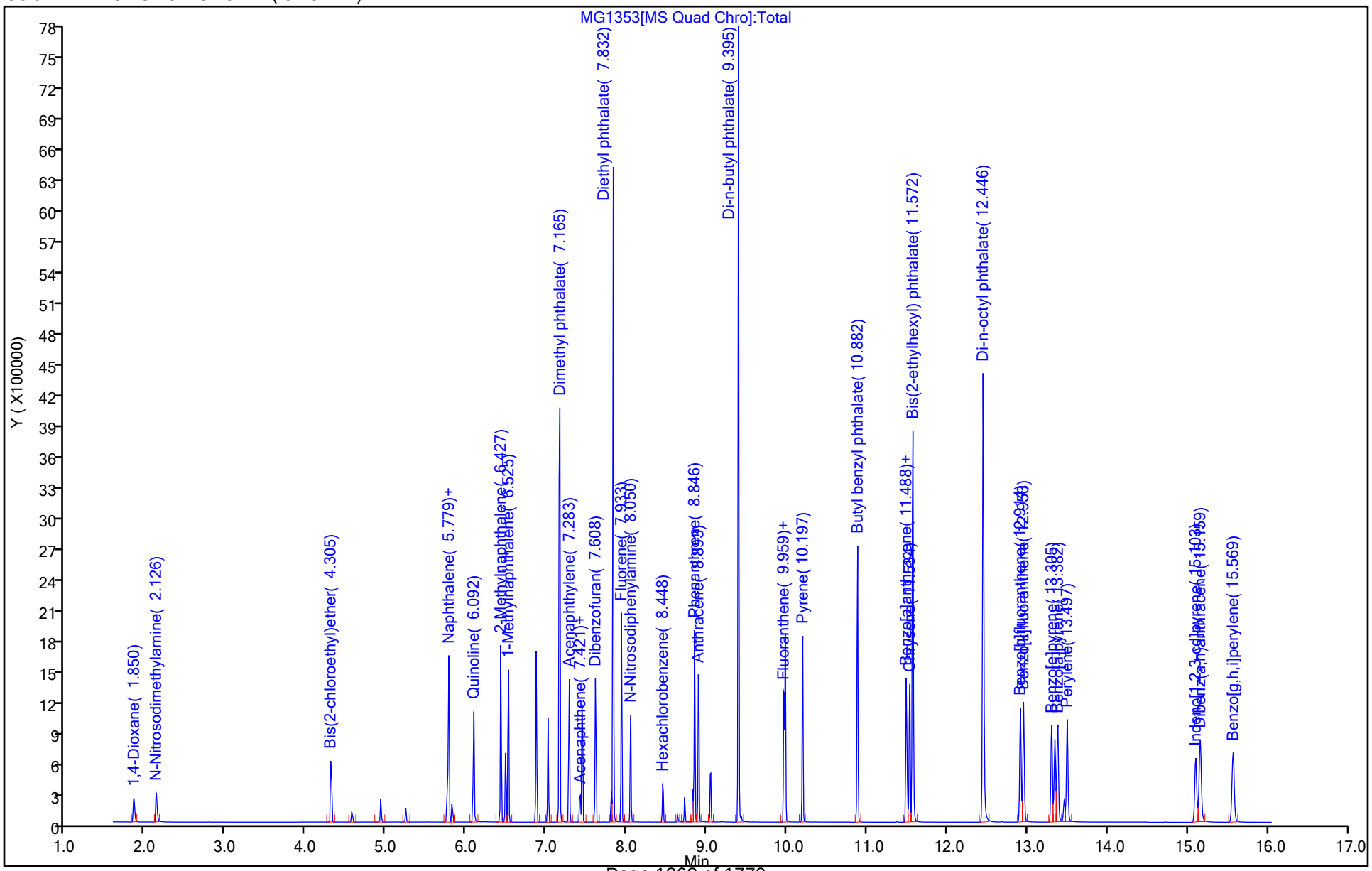
Lims ID: IC L5 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

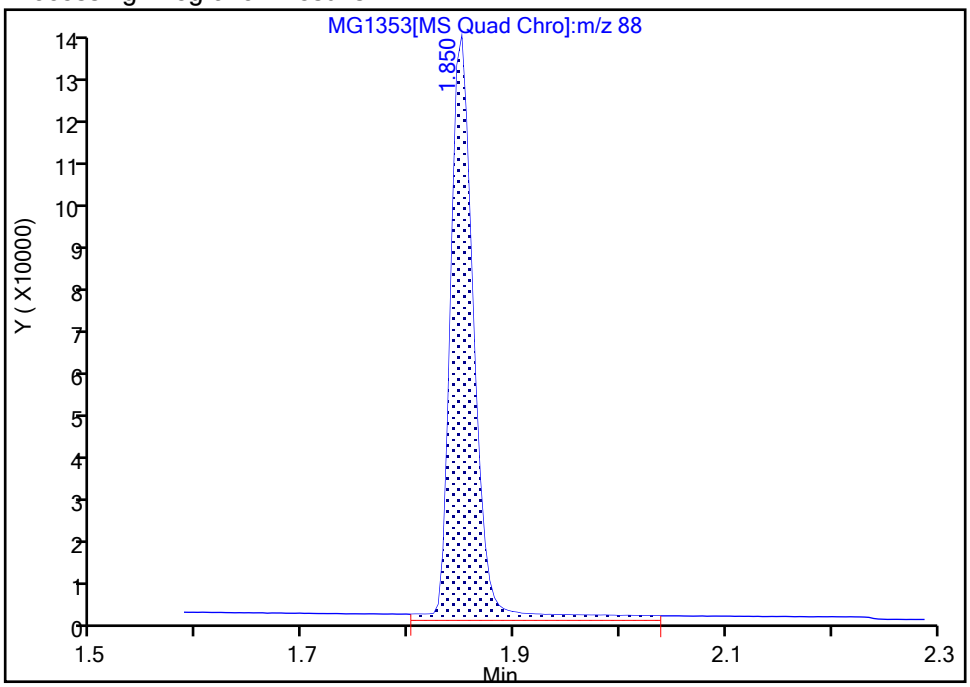
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1353.D				
Injection Date:	28-Jul-2022 20:27:39	Instrument ID:	HP21585		
Lims ID:	IC L5				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

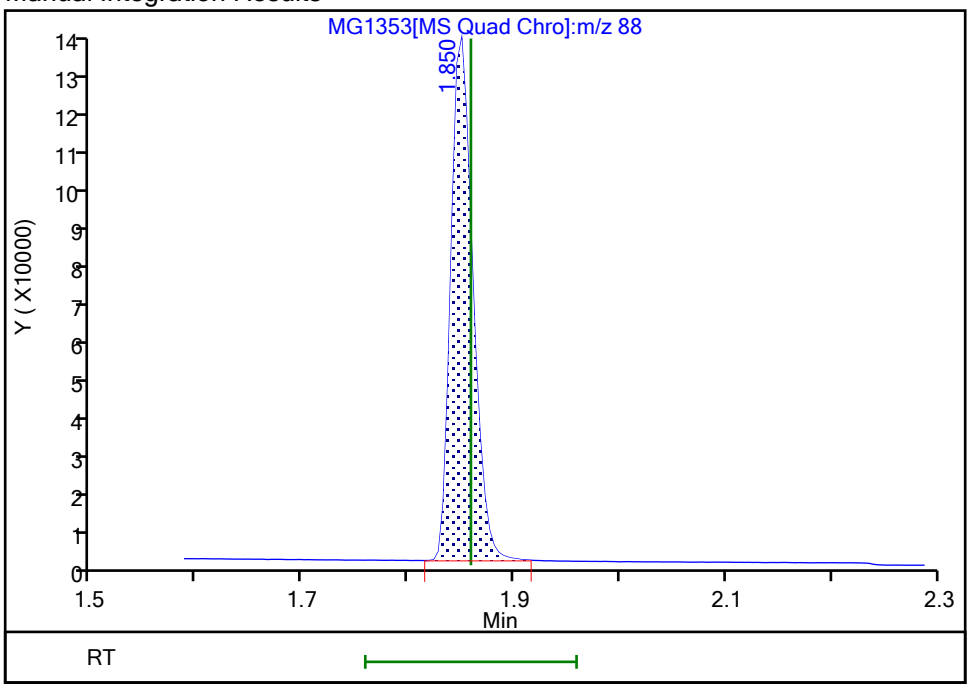
Processing Integration Results

RT: 1.85
Area: 207051
Amount: 0.217928
Amount Units: ug/ml



Manual Integration Results

RT: 1.85
Area: 189515
Amount: 0.992864
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:37:55

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

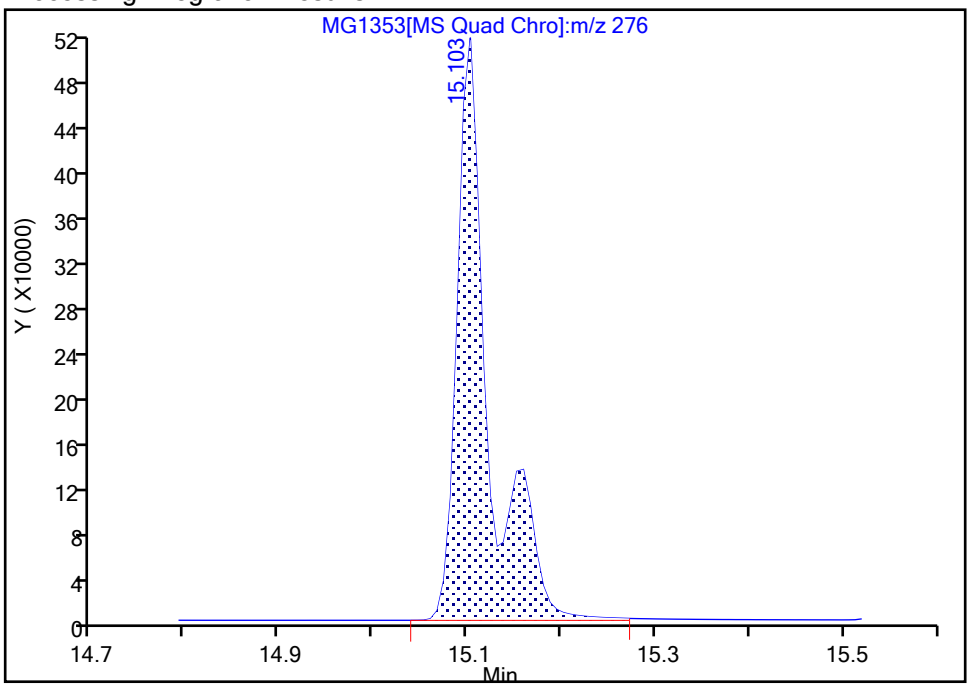
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1353.D				
Injection Date:	28-Jul-2022 20:27:39	Instrument ID:	HP21585		
Lims ID:	IC L5				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

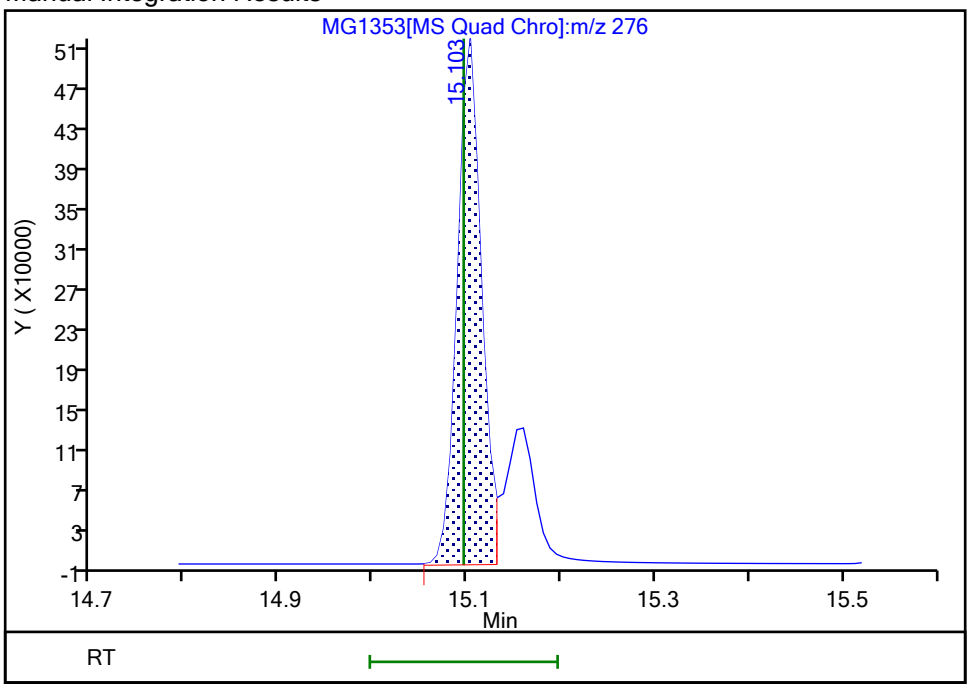
Processing Integration Results

RT: 15.10
Area: 1211277
Amount: 1.041170
Amount Units: ug/ml



Manual Integration Results

RT: 15.10
Area: 910318
Amount: 0.985002
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:37:47

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1354.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 28-Jul-2022 20:49:08 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0062933-005
Operator ID: kel10217 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Jul-2022 11:57:59 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: UJM0 Date: 29-Jul-2022 06:39:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.854	1.846	0.008	88	19203	0.1000	0.0990	M
2 N-Nitrosodimethylamine	74	2.139	2.126	0.013	90	23951	0.1000	0.1009	
3 Bis(2-chloroethyl)ether	93	4.317	4.305	0.012	84	42014	0.1000	0.1026	
* 4 1,4-Dichlorobenzene-d4	152	4.580	4.567	0.013	64	68946	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.754	5.755	-0.001	91	234066	0.2500	0.2500	
6 Naphthalene	128	5.779	5.780	-0.001	93	119127	0.1000	0.1018	
7 Quinoline	129	6.092	6.092	0.000	95	69566	0.1000	0.1011	
8 2-Methylnaphthalene	142	6.427	6.427	0.000	99	72981	0.1000	0.1013	
$ 9 1-Methylnaphthalene-d10	152	6.486	6.486	0.000	99	54858	0.1000	0.1026	
10 1-Methylnaphthalene	142	6.525	6.525	0.000	100	68332	0.1000	0.1016	
11 Dimethyl phthalate	163	7.165	7.165	0.000	75	678708	1.00	1.04	
12 Acenaphthylene	152	7.283	7.284	-0.001	96	103887	0.1000	0.0977	
* 13 Acenaphthene-d10	164	7.411	7.421	-0.010	98	131630	0.2500	0.2500	
14 Acenaphthene	154	7.441	7.451	-0.010	88	64637	0.1000	0.0980	
15 Dibenzofuran	168	7.608	7.618	-0.010	95	100563	0.1000	0.1004	
16 Diethyl phthalate	149	7.832	7.832	0.000	98	644688	1.00	1.03	
17 Fluorene	166	7.933	7.933	0.000	98	76800	0.1000	0.0990	
18 N-Nitrosodiphenylamine	169	8.050	8.050	0.000	97	46661	0.1000	0.1024	
19 Hexachlorobenzene	284	8.448	8.456	-0.008	100	22170	0.1000	0.1002	
* 20 Phenanthrene-d10	188	8.823	8.831	-0.008	95	233887	0.2500	0.2500	
21 Phenanthrene	178	8.846	8.847	-0.001	100	111208	0.1000	0.0991	
22 Anthracene	178	8.893	8.901	-0.008	100	103024	0.1000	0.0985	
23 Di-n-butyl phthalate	149	9.395	9.395	0.000	100	900251	1.00	1.05	
$ 24 Fluoranthene-d10 (Surr)	212	9.959	9.965	-0.006	99	98410	0.1000	0.0999	
25 Fluoranthene	202	9.978	9.984	-0.006	100	119669	0.1000	0.0985	
26 Pyrene	202	10.197	10.204	-0.007	100	124918	0.1000	0.0994	
27 Butyl benzyl phthalate	149	10.874	10.882	-0.008	100	252875	1.00	0.9760	
28 Benzo[a]anthracene	228	11.488	11.496	-0.008	100	97577	0.1000	0.0970	
* 29 Chrysene-d12	240	11.503	11.503	0.000	56	191917	0.2500	0.2500	
30 Chrysene	228	11.526	11.534	-0.008	100	113375	0.1000	0.1008	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.564	11.572	-0.008	100	387631	1.00	0.9870	
32 Di-n-octyl phthalate	149	12.446	12.454	-0.008	100	590702	1.00	0.9704	
33 Benzo[b]fluoranthene	252	12.914	12.922	-0.008	100	97412	0.1000	0.0986	
34 Benzo[k]fluoranthene	252	12.953	12.960	-0.007	100	106763	0.1000	0.1013	
35 Benzo[e]pyrene	252	13.298	13.306	-0.008	100	96322	0.1000	0.1011	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.344	13.352	-0.008	100	65981	0.1000	0.0982	
37 Benzo[a]pyrene	252	13.374	13.382	-0.008	100	90188	0.1000	0.1001	
* 38 Perylene-d12	264	13.459	13.467	-0.008	100	181832	0.2500	0.2500	
39 Perylene	252	13.497	13.505	-0.008	100	101214	0.1000	0.1027	
40 Indeno[1,2,3-cd]pyrene	276	15.096	15.110	-0.014	100	74444	0.1000	0.0972	M
41 Dibenz(a,h)anthracene	278	15.152	15.167	-0.015	98	88760	0.1000	0.0998	
42 Benzo[g,h,i]perylene	276	15.562	15.576	-0.014	98	97965	0.1000	0.0998	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_3_00017 Amount Added: 1.00 Units: mL

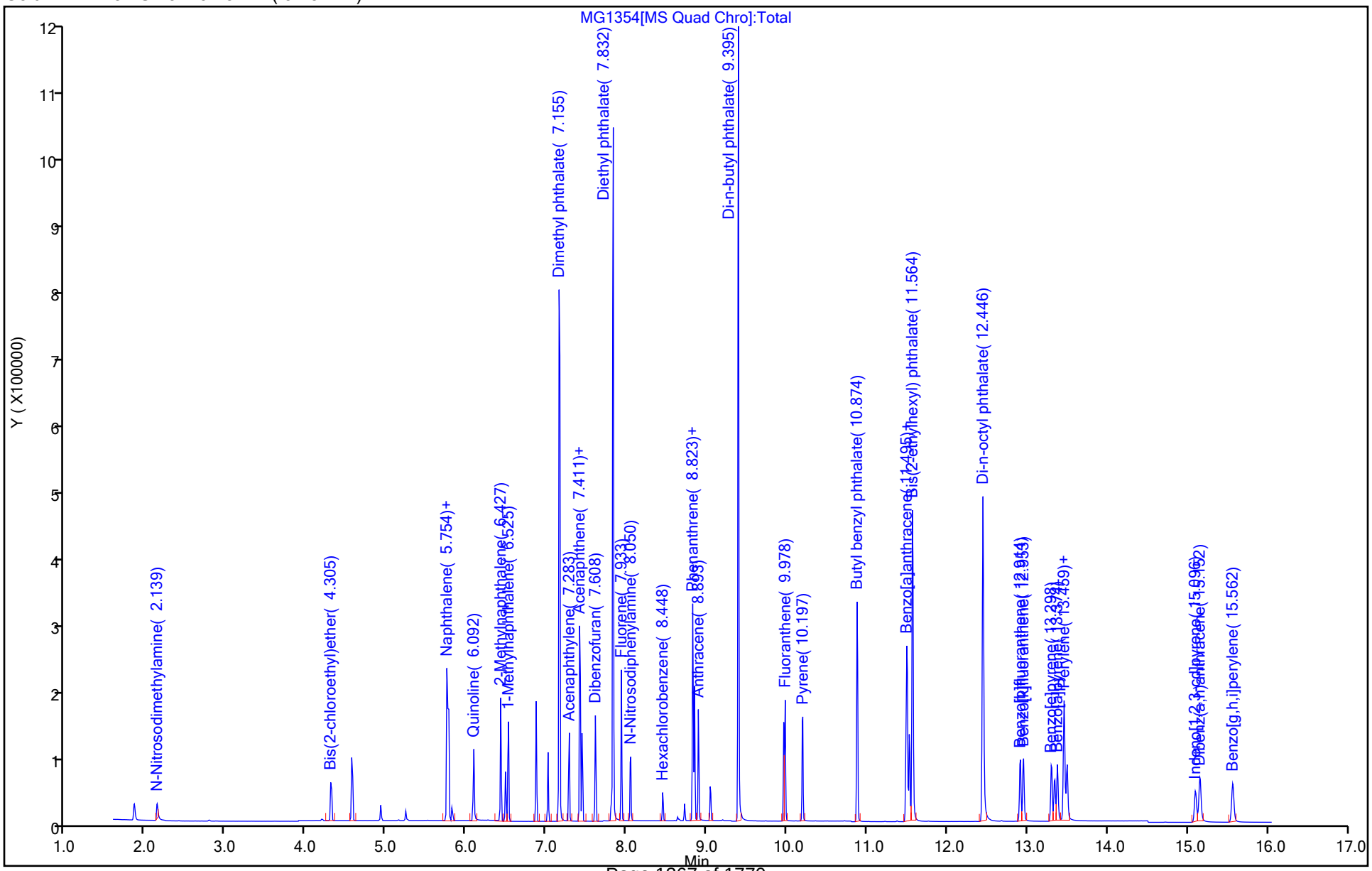
Report Date: 29-Jul-2022 11:57:59 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1354.D

Injection Date:	28-Jul-2022 20:49:08	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	IC L3			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

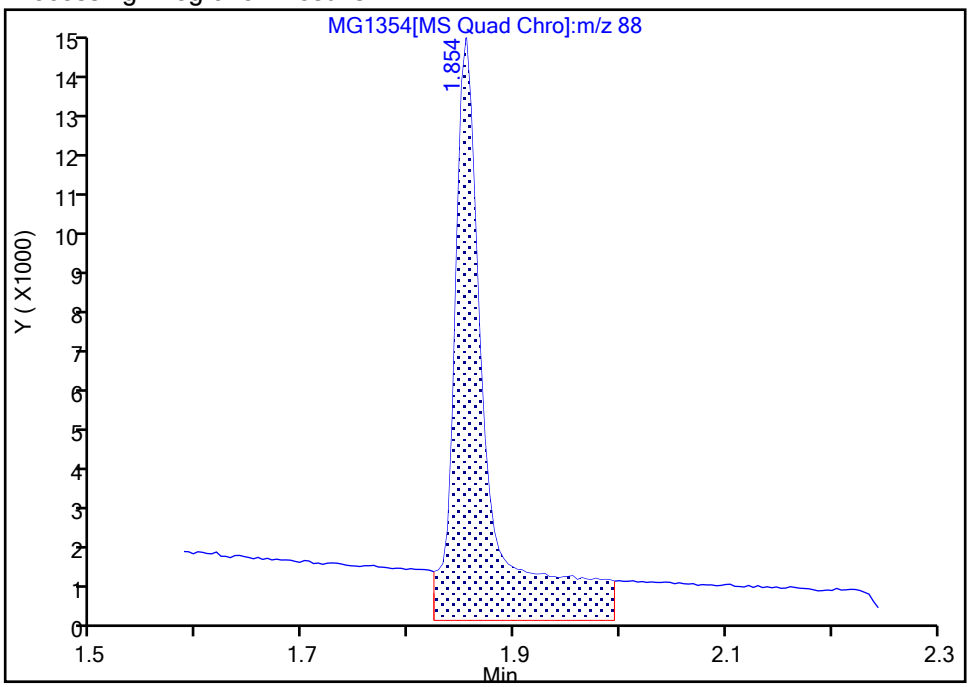
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1354.D				
Injection Date:	28-Jul-2022 20:49:08	Instrument ID:	HP21585		
Lims ID:	IC L3				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

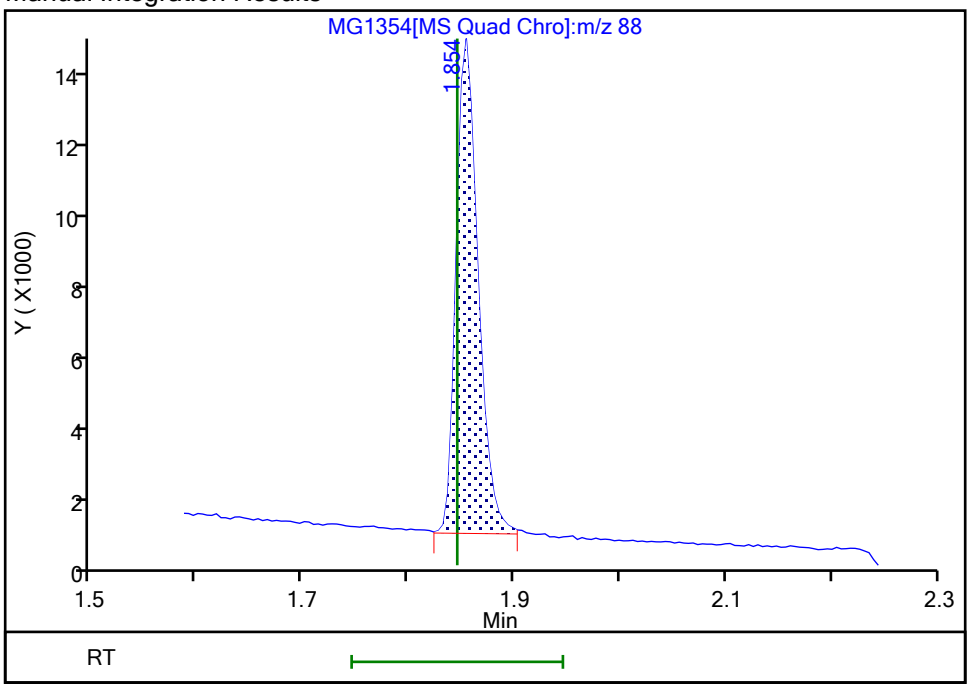
Processing Integration Results

RT: 1.85
Area: 30770
Amount: 0.031980
Amount Units: ug/ml



Manual Integration Results

RT: 1.85
Area: 19203
Amount: 0.099035
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:38:28

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

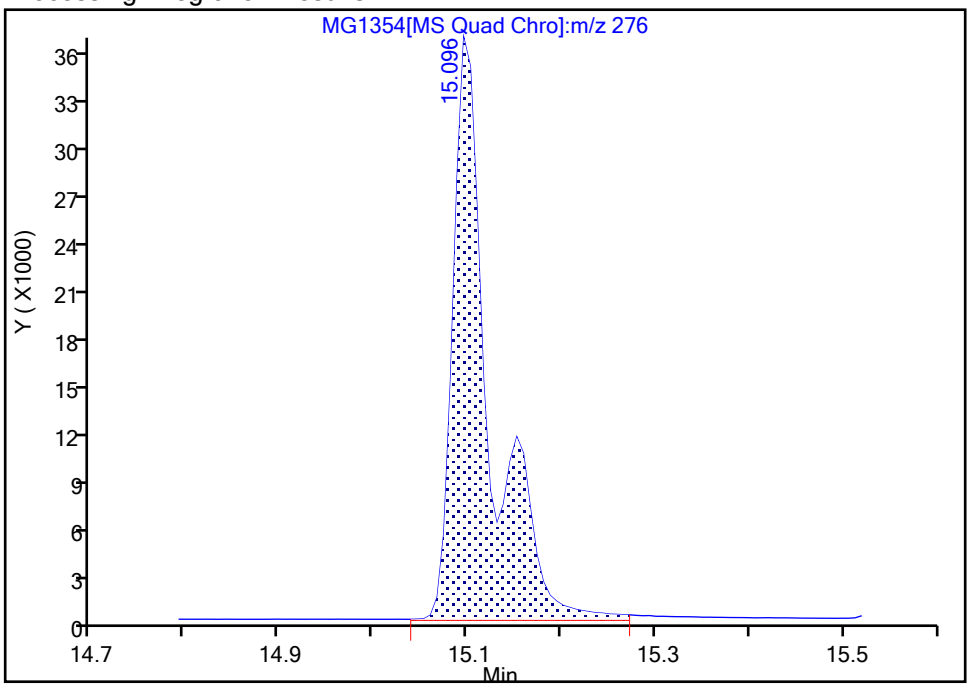
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1354.D				
Injection Date:	28-Jul-2022 20:49:08	Instrument ID:	HP21585		
Lims ID:	IC L3				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

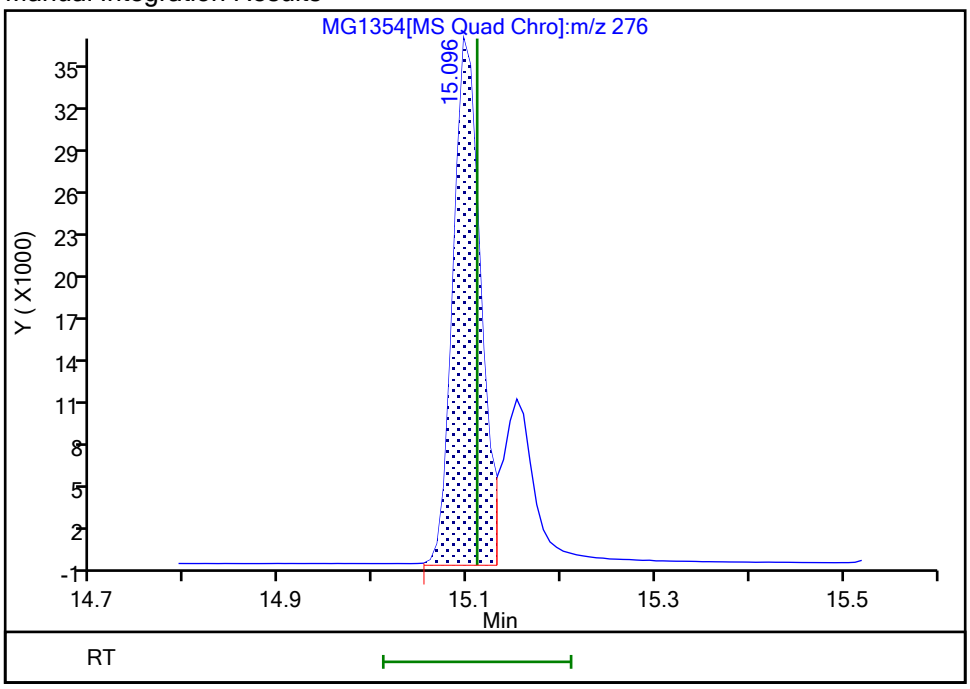
Processing Integration Results

RT: 15.10
Area: 101921
Amount: 0.110507
Amount Units: ug/ml



Manual Integration Results

RT: 15.10
Area: 74444
Amount: 0.097226
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:38:55

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1355.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 28-Jul-2022 21:10:32 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0062933-006
Operator ID: kel10217 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Jul-2022 11:58:02 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: UJM0 Date: 29-Jul-2022 06:39:58

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.854	1.846	0.008	88	9114	0.0500	0.0480	M
	2 N-Nitrosodimethylamine	74	2.144	2.126	0.018	89	11267	0.0500	0.0485	
	3 Bis(2-chloroethyl)ether	93	4.317	4.305	0.012	84	20001	0.0500	0.0494	
*	4 1,4-Dichlorobenzene-d4	152	4.580	4.567	0.013	64	67524	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.754	5.755	-0.001	91	231624	0.2500	0.2500	
	6 Naphthalene	128	5.779	5.780	-0.001	94	58176	0.0500	0.0502	
	7 Quinoline	129	6.092	6.092	0.000	96	32709	0.0500	0.0480	
	8 2-Methylnaphthalene	142	6.427	6.427	0.000	98	35775	0.0500	0.0502	
$	9 1-Methylnaphthalene-d10	152	6.486	6.486	0.000	99	26487	0.0500	0.0500	
	10 1-Methylnaphthalene	142	6.525	6.525	0.000	100	33179	0.0500	0.0498	
	11 Dimethyl phthalate	163	7.155	7.165	-0.010	75	333649	0.5000	0.5228	
	12 Acenaphthylene	152	7.283	7.284	-0.001	96	49630	0.0500	0.0479	
*	13 Acenaphthene-d10	164	7.421	7.421	0.000	97	128291	0.2500	0.2500	
	14 Acenaphthene	154	7.441	7.451	-0.010	88	31375	0.0500	0.0488	
	15 Dibenzofuran	168	7.608	7.618	-0.010	95	48881	0.0500	0.0500	
	16 Diethyl phthalate	149	7.832	7.832	0.000	98	312109	0.5000	0.5106	
	17 Fluorene	166	7.933	7.933	0.000	99	36941	0.0500	0.0488	
	18 N-Nitrosodiphenylamine	169	8.050	8.050	0.000	99	22915	0.0500	0.0509	
	19 Hexachlorobenzene	284	8.448	8.456	-0.008	100	10753	0.0500	0.0492	
*	20 Phenanthrene-d10	188	8.823	8.831	-0.008	95	230813	0.2500	0.2500	
	21 Phenanthrene	178	8.847	8.847	0.000	100	55080	0.0500	0.0498	
	22 Anthracene	178	8.893	8.901	-0.008	100	49225	0.0500	0.0477	
	23 Di-n-butyl phthalate	149	9.395	9.395	0.000	100	412109	0.5000	0.4859	
$	24 Fluoranthene-d10 (Surr)	212	9.959	9.965	-0.006	99	47722	0.0500	0.0491	
	25 Fluoranthene	202	9.978	9.984	-0.006	100	58300	0.0500	0.0486	
	26 Pyrene	202	10.191	10.204	-0.013	100	59951	0.0500	0.0497	
	27 Butyl benzyl phthalate	149	10.874	10.882	-0.008	100	106162	0.5000	0.4593	
	28 Benzo[a]anthracene	228	11.488	11.496	-0.008	100	46481	0.0500	0.0481	
*	29 Chrysene-d12	240	11.495	11.503	-0.008	59	184226	0.2500	0.2500	
	30 Chrysene	228	11.526	11.534	-0.008	100	54485	0.0500	0.0505	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.565	11.572	-0.007	100	159534	0.5000	0.4553	
32 Di-n-octyl phthalate	149	12.447	12.454	-0.007	100	235365	0.5000	0.4479	
33 Benzo[b]fluoranthene	252	12.907	12.922	-0.015	100	45705	0.0500	0.0497	
34 Benzo[k]fluoranthene	252	12.953	12.960	-0.007	100	48703	0.0500	0.0496	
35 Benzo[e]pyrene	252	13.298	13.306	-0.008	100	44622	0.0500	0.0503	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.344	13.352	-0.008	100	30039	0.0500	0.0480	
37 Benzo[a]pyrene	252	13.375	13.382	-0.007	100	39990	0.0500	0.0477	
* 38 Perylene-d12	264	13.459	13.467	-0.008	100	169397	0.2500	0.2500	
39 Perylene	252	13.497	13.505	-0.008	100	47503	0.0500	0.0517	
40 Indeno[1,2,3-cd]pyrene	276	15.096	15.110	-0.014	100	34012	0.0500	0.0477	M
41 Dibenz(a,h)anthracene	278	15.152	15.167	-0.015	98	39820	0.0500	0.0481	
42 Benzo[g,h,i]perylene	276	15.562	15.576	-0.014	98	45391	0.0500	0.0496	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_2_00018 Amount Added: 1.00 Units: mL

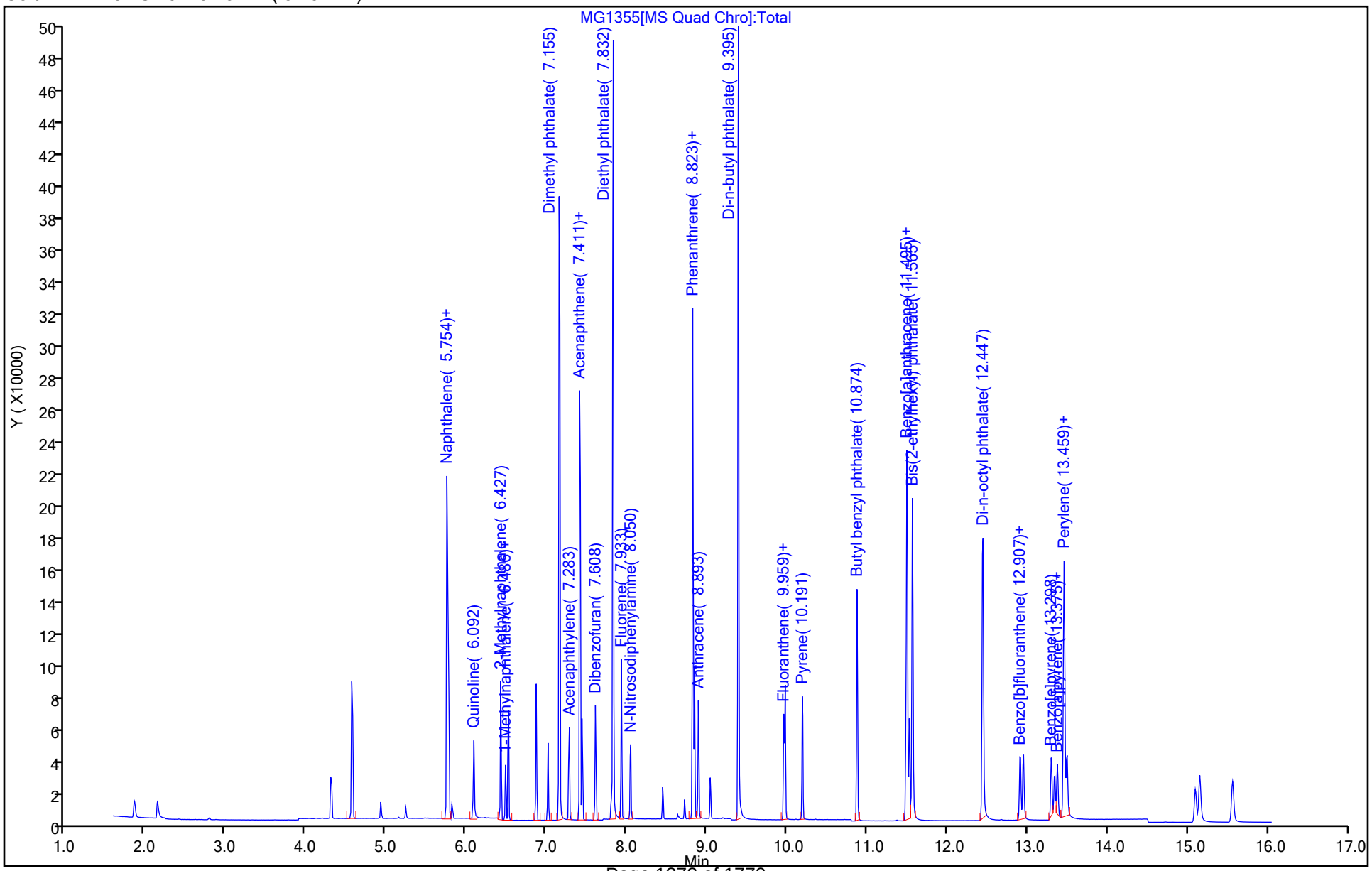
Report Date: 29-Jul-2022 11:58:03 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1355.D

Injection Date:	28-Jul-2022 21:10:32	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	IC L2			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

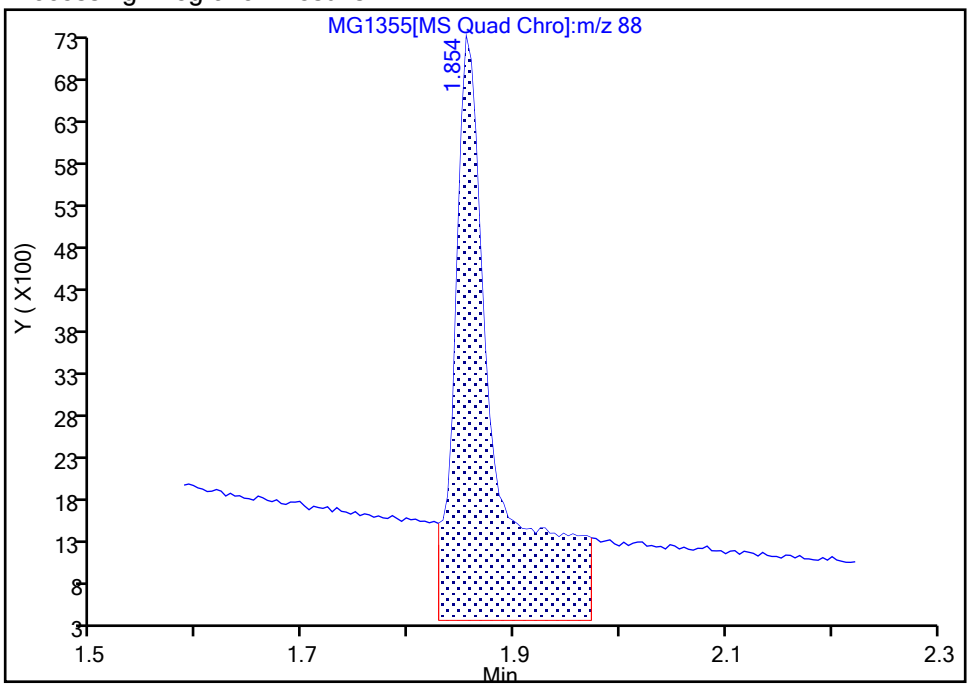
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1355.D		
Injection Date:	28-Jul-2022 21:10:32	Instrument ID:	HP21585
Lims ID:	IC L2		
Client ID:			
Operator ID:	kel10217	ALS Bottle#:	0 Worklist Smp#: 6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

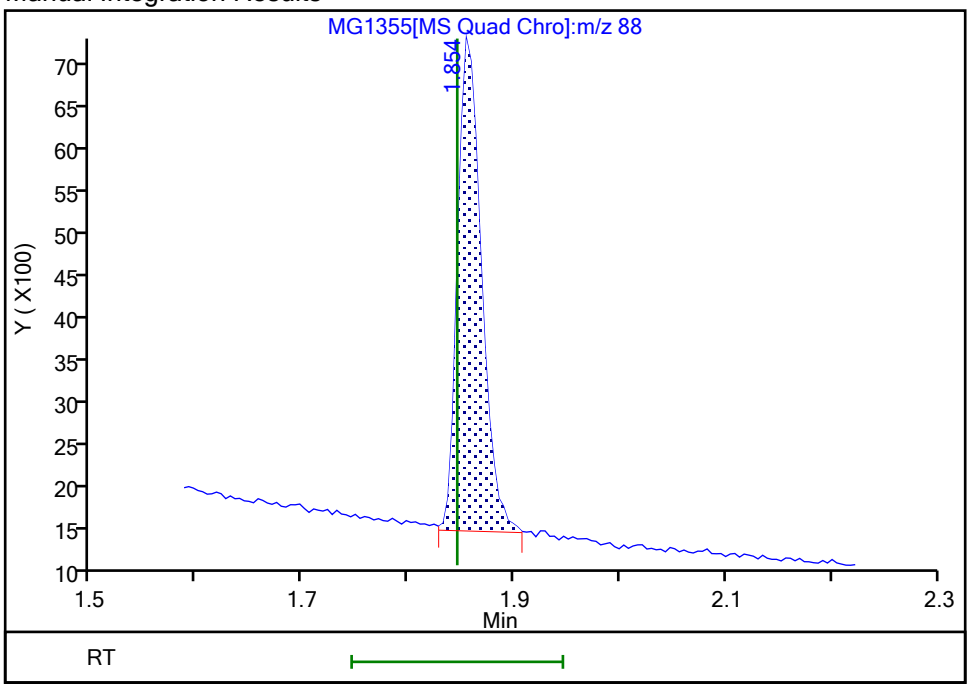
Processing Integration Results

RT: 1.85
Area: 18354
Amount: 0.019876
Amount Units: ug/ml



Manual Integration Results

RT: 1.85
Area: 9114
Amount: 0.047993
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:39:18

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

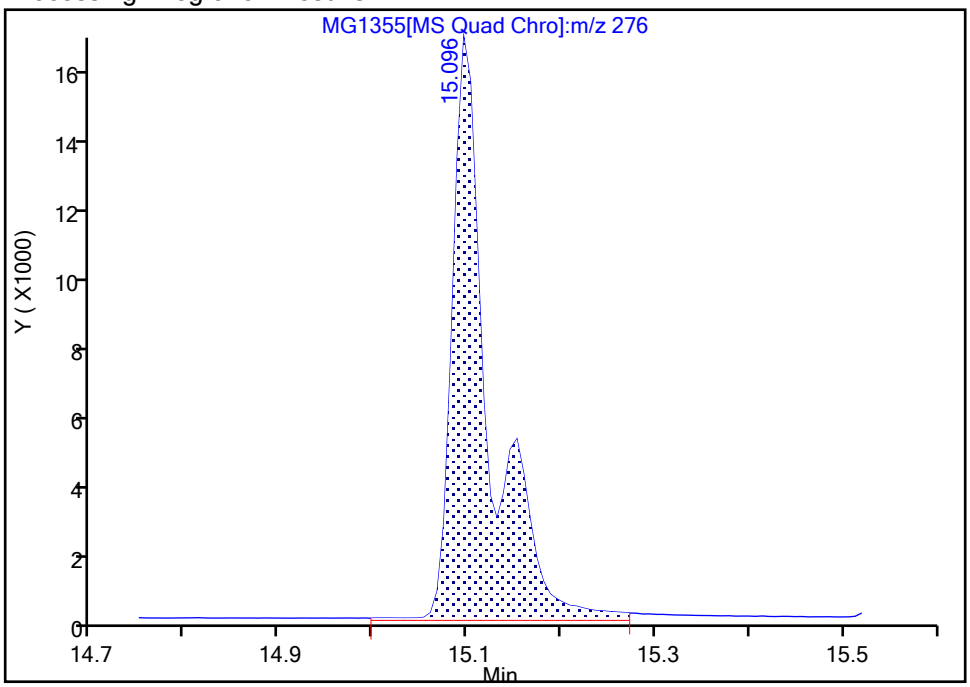
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1355.D				
Injection Date:	28-Jul-2022 21:10:32	Instrument ID:	HP21585		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

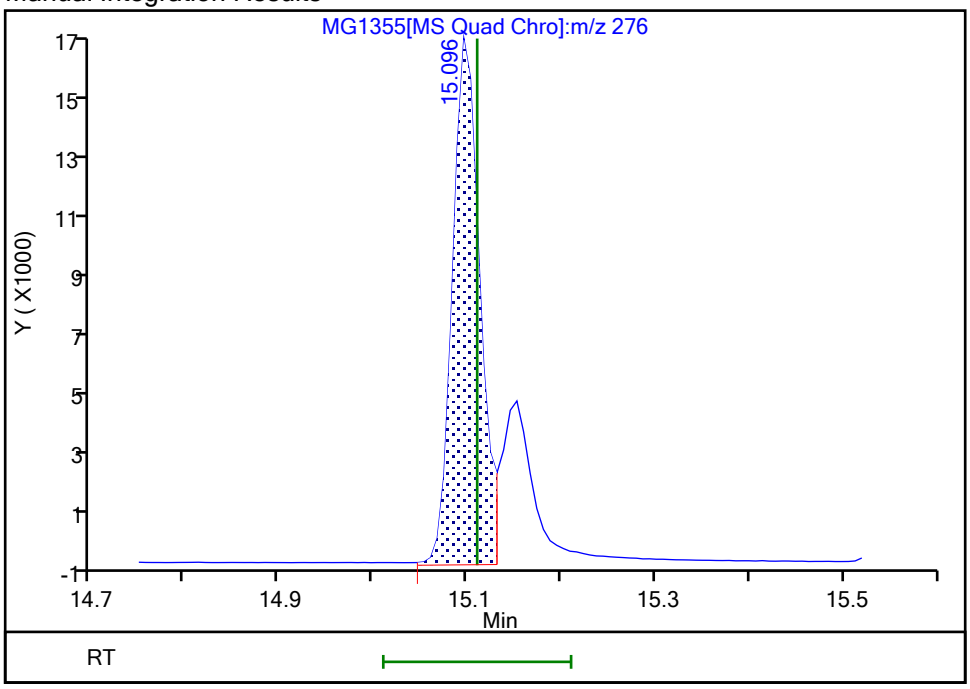
Processing Integration Results

RT: 15.10
Area: 47031
Amount: 0.057596
Amount Units: ug/ml



Manual Integration Results

RT: 15.10
Area: 34012
Amount: 0.047681
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:39:50

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 28-Jul-2022 21:32:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0062933-007
Operator ID: kel10217 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Jul-2022 11:58:05 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: UJM0 Date: 29-Jul-2022 06:41:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.859	1.859	0.000	89	1931	0.0100	0.0102	M
2 N-Nitrosodimethylamine	74	2.152	2.152	0.000	89	2146	0.0100	0.009266	M
3 Bis(2-chloroethyl)ether	93	4.305	4.305	0.000	82	4321	0.0100	0.0106	
* 4 1,4-Dichlorobenzene-d4	152	4.567	4.567	0.000	91	67283	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.754	5.754	0.000	91	232565	0.2500	0.2500	
6 Naphthalene	128	5.779	5.779	0.000	94	12399	0.0100	0.0107	
7 Quinoline	129	6.092	6.092	0.000	97	6825	0.0100	0.0100	
8 2-Methylnaphthalene	142	6.426	6.426	0.000	99	7716	0.0100	0.0108	
$ 9 1-Methylnaphthalene-d10	152	6.486	6.486	0.000	99	5610	0.0100	0.0106	
10 1-Methylnaphthalene	142	6.525	6.525	0.000	100	7082	0.0100	0.0106	
11 Dimethyl phthalate	163	7.155	7.155	0.000	81	53864	0.1000	0.0862	
12 Acenaphthylene	152	7.283	7.283	0.000	96	10350	0.0100	0.0102	
* 13 Acenaphthene-d10	164	7.411	7.411	0.000	98	125570	0.2500	0.2500	
14 Acenaphthene	154	7.441	7.441	0.000	92	6532	0.0100	0.0104	
15 Dibenzofuran	168	7.608	7.608	0.000	94	10165	0.0100	0.0106	
16 Diethyl phthalate	149	7.824	7.824	0.000	99	49027	0.1000	0.0819	
17 Fluorene	166	7.933	7.933	0.000	98	7661	0.0100	0.0103	
18 N-Nitrosodiphenylamine	169	8.050	8.050	0.000	98	4674	0.0100	0.0108	
19 Hexachlorobenzene	284	8.448	8.448	0.000	99	2277	0.0100	0.0108	
* 20 Phenanthrene-d10	188	8.823	8.823	0.000	95	222698	0.2500	0.2500	
21 Phenanthrene	178	8.846	8.846	0.000	100	11507	0.0100	0.0108	
22 Anthracene	178	8.893	8.893	0.000	100	10107	0.0100	0.0101	
23 Di-n-butyl phthalate	149	9.388	9.388	0.000	100	58417	0.1000	0.0714	
$ 24 Fluoranthene-d10 (Surr)	212	9.959	9.959	0.000	98	9271	0.0100	0.009881	
25 Fluoranthene	202	9.978	9.978	0.000	100	12013	0.0100	0.0104	
26 Pyrene	202	10.197	10.197	0.000	100	12873	0.0100	0.0115	
27 Butyl benzyl phthalate	149	10.874	10.874	0.000	100	14927	0.1000	0.1016	
28 Benzo[a]anthracene	228	11.488	11.488	0.000	100	9451	0.0100	0.0105	
* 29 Chrysene-d12	240	11.495	11.495	0.000	57	171370	0.2500	0.2500	
30 Chrysene	228	11.526	11.526	0.000	100	10846	0.0100	0.0108	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.564	11.564	0.000	100	22671	0.1000	0.1016	
32 Di-n-octyl phthalate	149	12.446	12.446	0.000	100	31589	0.1000	0.1020	
33 Benzo[b]fluoranthene	252	12.914	12.914	0.000	100	9478	0.0100	0.0113	
34 Benzo[k]fluoranthene	252	12.953	12.953	0.000	100	9420	0.0100	0.0105	
35 Benzo[e]pyrene	252	13.298	13.298	0.000	100	8790	0.0100	0.0109	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.344	13.344	0.000	100	5623	0.0100	0.009861	
37 Benzo[a]pyrene	252	13.374	13.374	0.000	100	7363	0.0100	0.009635	
* 38 Perylene-d12	264	13.459	13.459	0.000	100	154251	0.2500	0.2500	
39 Perylene	252	13.497	13.497	0.000	100	9604	0.0100	0.0115	
40 Indeno[1,2,3-cd]pyrene	276	15.096	15.096	0.000	100	6489	0.0100	0.0100	M
41 Dibenz(a,h)anthracene	278	15.152	15.152	0.000	95	7178	0.0100	0.009517	
42 Benzo[g,h,i]perylene	276	15.562	15.562	0.000	98	8673	0.0100	0.0104	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_1_00018 Amount Added: 1.00 Units: mL

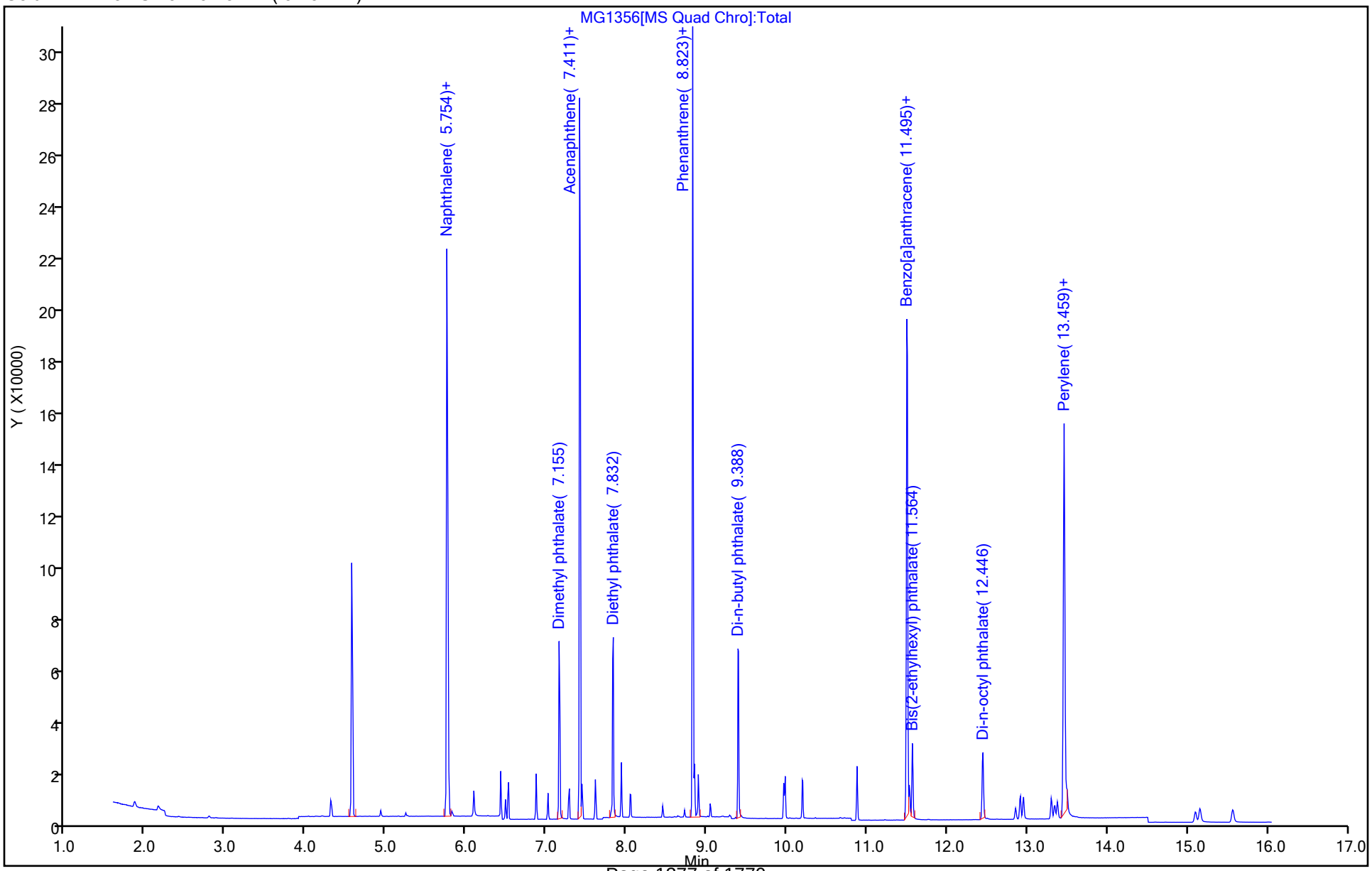
Report Date: 29-Jul-2022 11:58:06 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Injection Date:	28-Jul-2022 21:32:00	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	IC L1			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

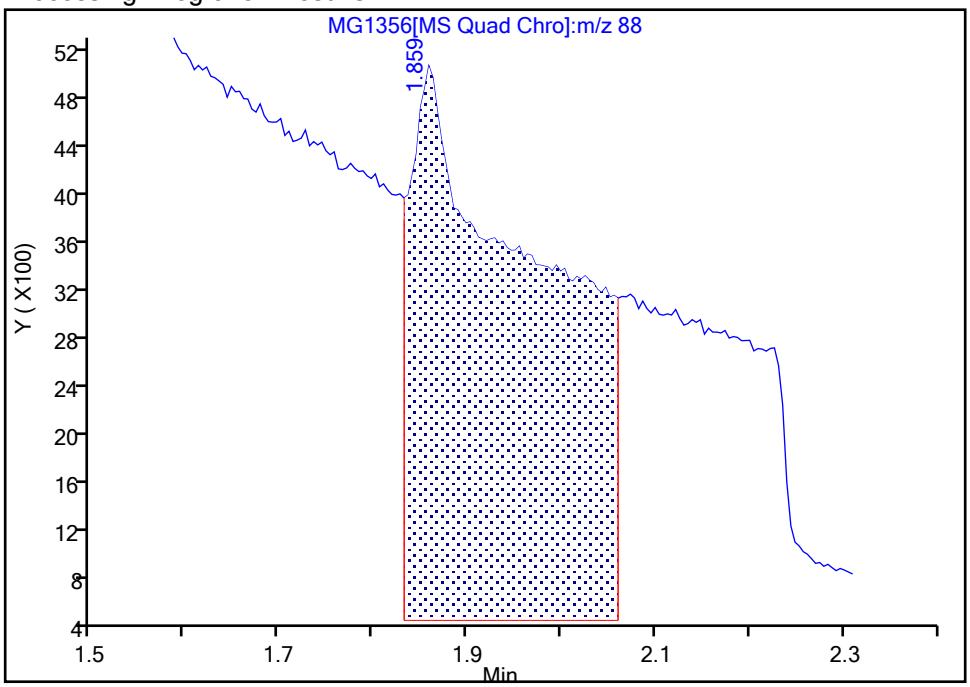
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D				
Injection Date:	28-Jul-2022 21:32:00	Instrument ID:	HP21585		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

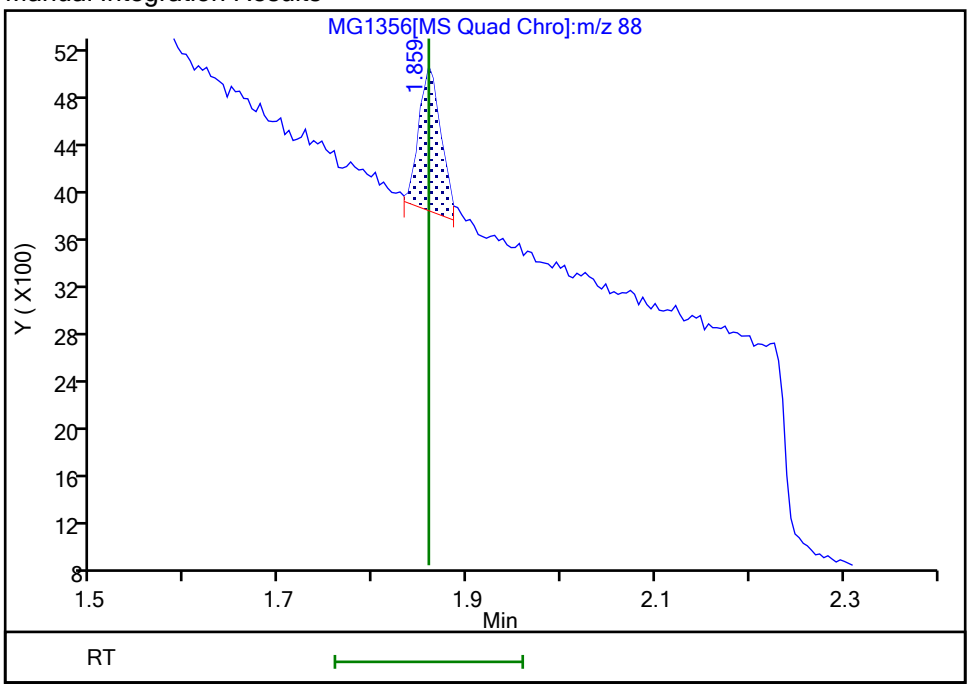
Processing Integration Results

RT: 1.86
Area: 43590
Amount: 0.049336
Amount Units: ug/ml



Manual Integration Results

RT: 1.86
Area: 1931
Amount: 0.010205
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:40:13

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

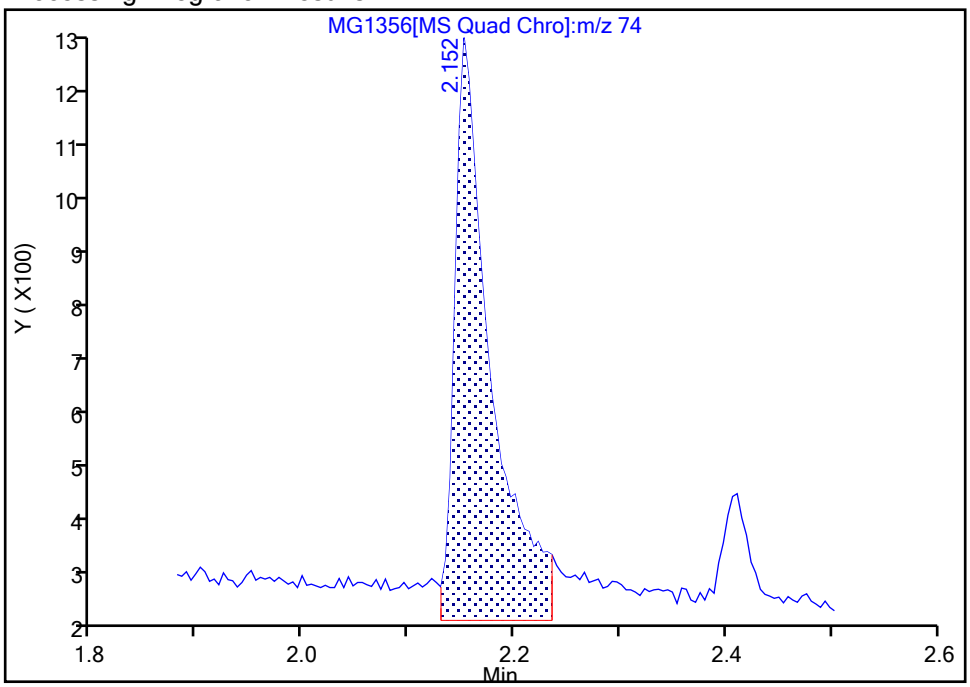
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D				
Injection Date:	28-Jul-2022 21:32:00	Instrument ID:	HP21585		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

2 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

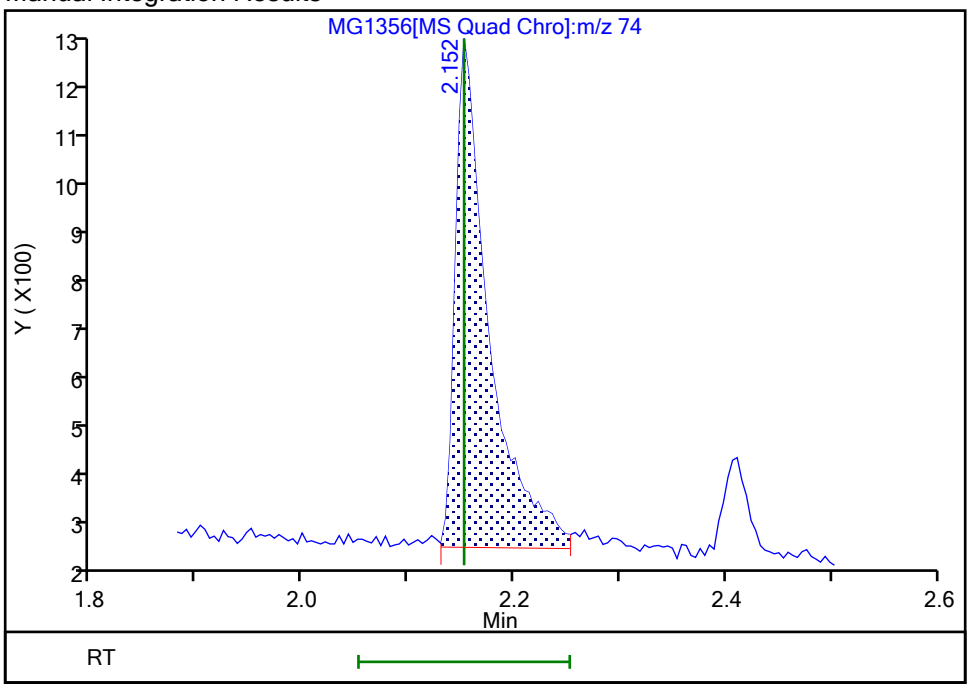
Processing Integration Results

RT: 2.15
Area: 2425
Amount: 0.010265
Amount Units: ug/ml



Manual Integration Results

RT: 2.15
Area: 2146
Amount: 0.009266
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:40:22

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

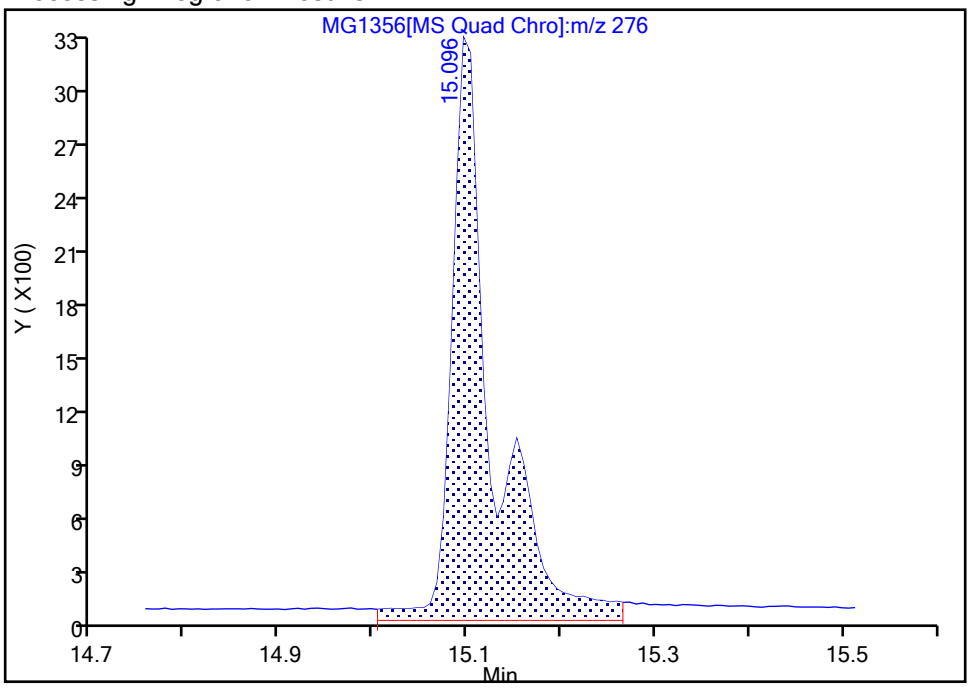
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D				
Injection Date:	28-Jul-2022 21:32:00	Instrument ID:	HP21585		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

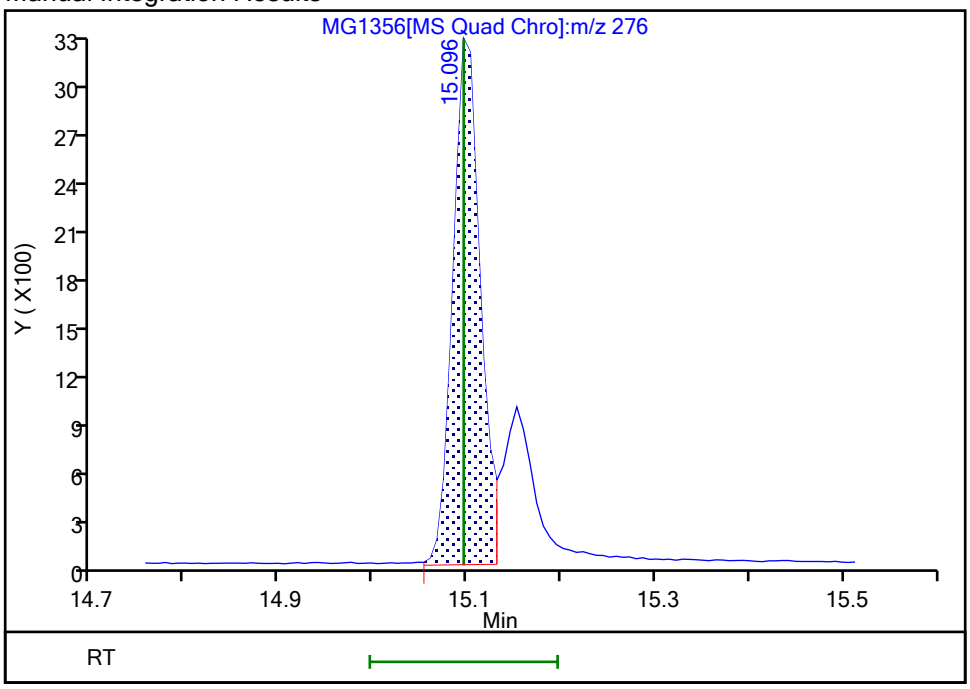
Processing Integration Results

RT: 15.10
Area: 9787
Amount: 0.013892
Amount Units: ug/ml



Manual Integration Results

RT: 15.10
Area: 6489
Amount: 0.009990
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:40:53

Audit Action: Manually Integrated Audit Reason: Baseline

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

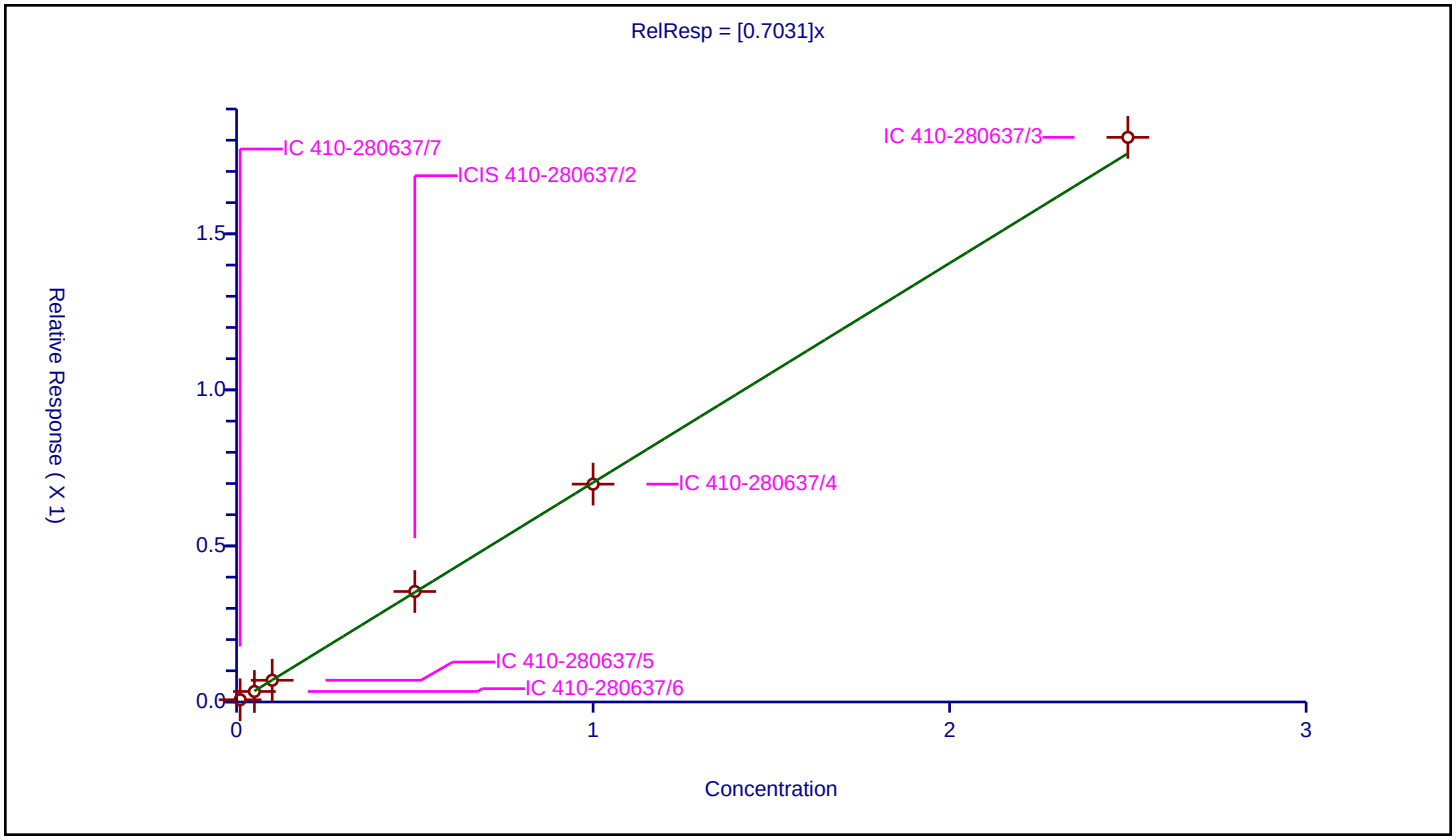
Curve Coefficients

Intercept:	0
Slope:	0.7031

Error Coefficients

Standard Error:	238000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.007175	0.25	67283.0	0.717492	Y
2	IC 410-280637/6	0.05	0.033744	0.25	67524.0	0.674871	Y
3	IC 410-280637/5	0.1	0.069631	0.25	68946.0	0.696306	Y
4	ICIS 410-280637/2	0.5	0.354056	0.25	62721.0	0.708112	Y
5	IC 410-280637/4	1.0	0.698071	0.25	67871.0	0.698071	Y
6	IC 410-280637/3	2.5	1.809187	0.25	67460.0	0.723675	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

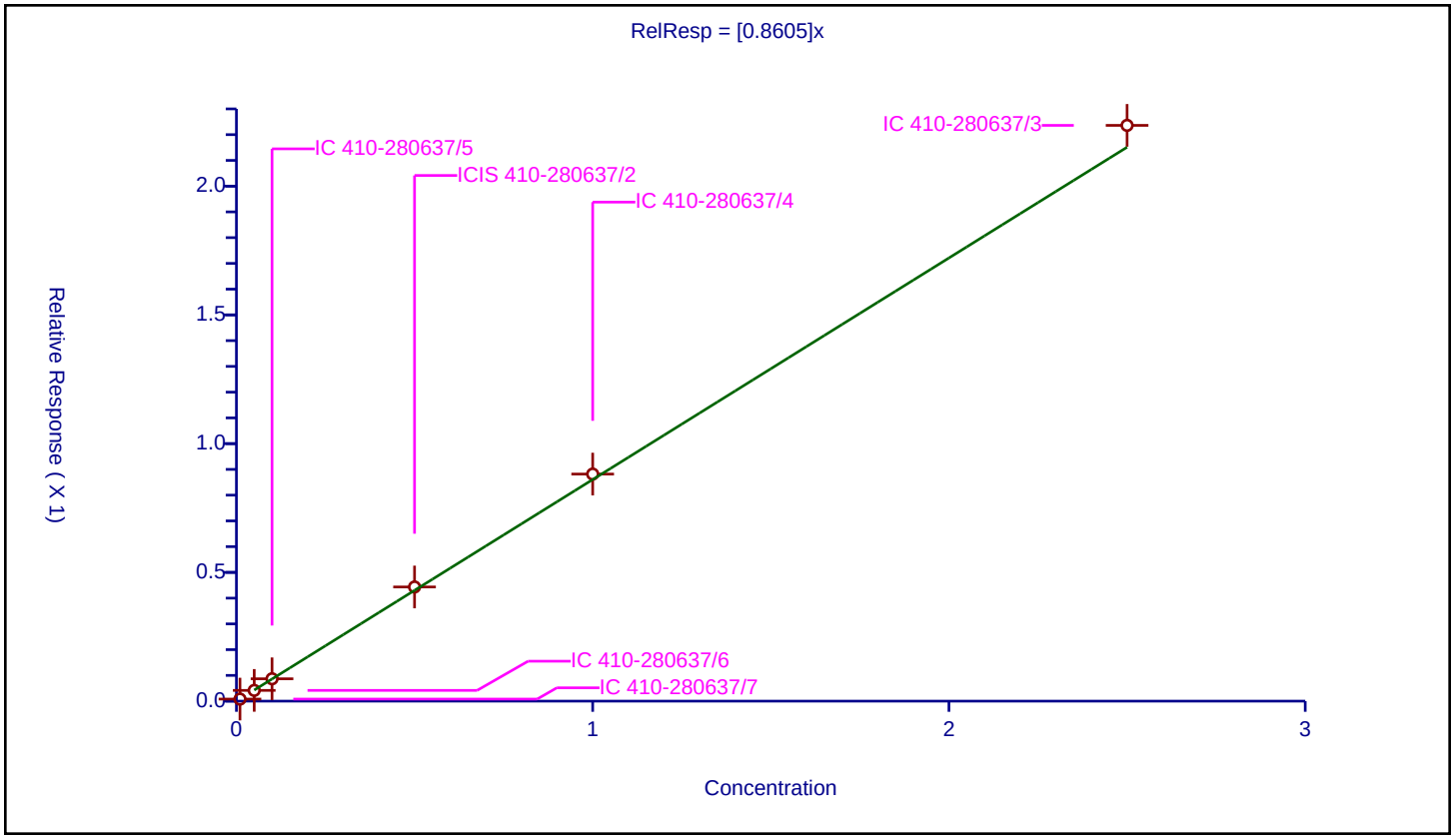
Curve Coefficients

Intercept:	0
Slope:	0.8605

Error Coefficients

Standard Error:	295000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.007974	0.25	67283.0	0.797378	Y
2	IC 410-280637/6	0.05	0.041715	0.25	67524.0	0.834296	Y
3	IC 410-280637/5	0.1	0.086847	0.25	68946.0	0.86847	Y
4	ICIS 410-280637/2	0.5	0.443376	0.25	62721.0	0.886752	Y
5	IC 410-280637/4	1.0	0.881868	0.25	67871.0	0.881868	Y
6	IC 410-280637/3	2.5	2.235925	0.25	67460.0	0.89437	Y



Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

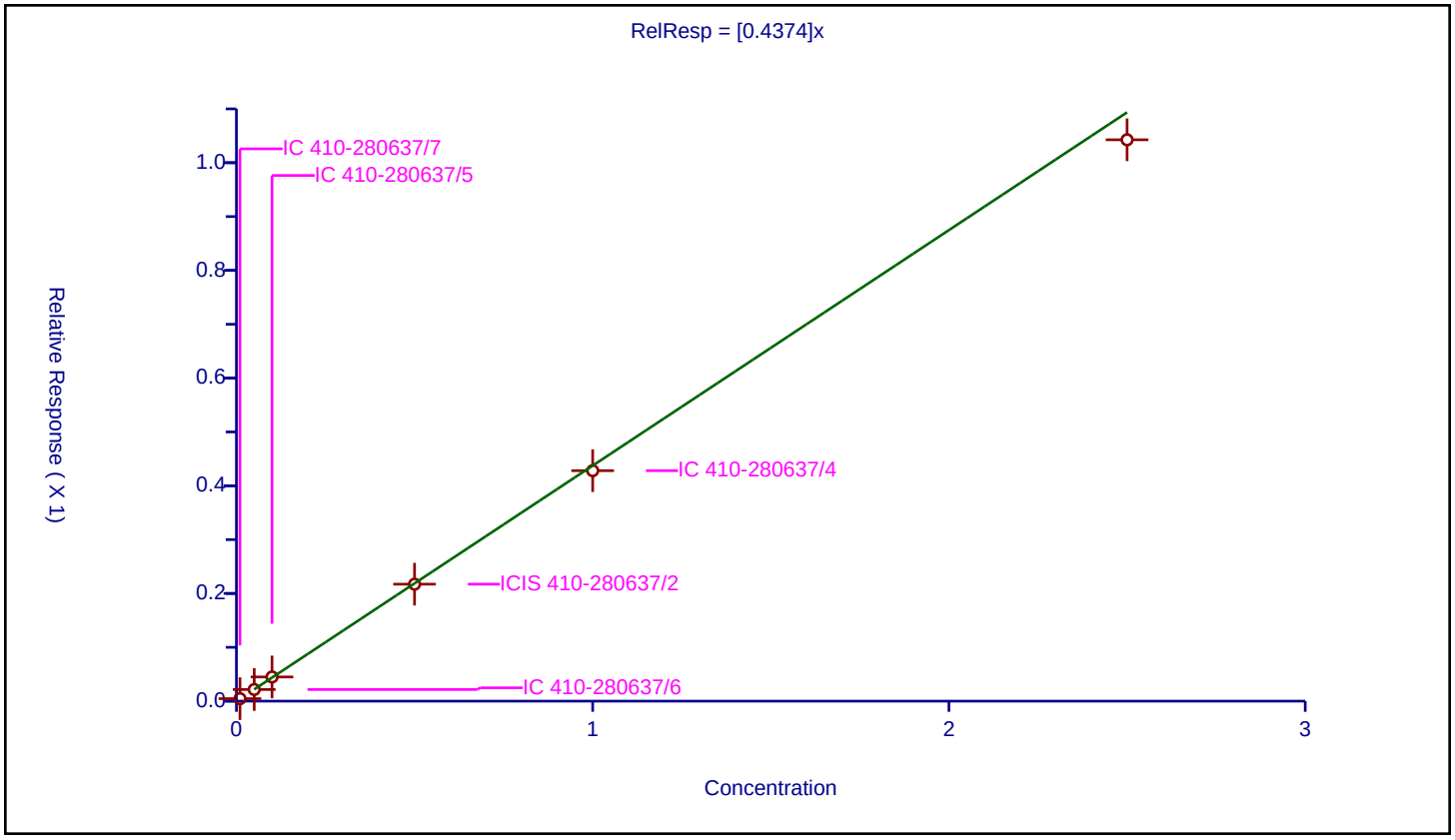
Curve Coefficients

Intercept:	0
Slope:	0.4374

Error Coefficients

Standard Error:	503000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.004645	0.25	232565.0	0.464494	Y
2	IC 410-280637/6	0.05	0.021588	0.25	231624.0	0.431756	Y
3	IC 410-280637/5	0.1	0.044874	0.25	234066.0	0.448741	Y
4	ICIS 410-280637/2	0.5	0.217228	0.25	222361.0	0.434456	Y
5	IC 410-280637/4	1.0	0.42809	0.25	241273.0	0.42809	Y
6	IC 410-280637/3	2.5	1.042604	0.25	246308.0	0.417042	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

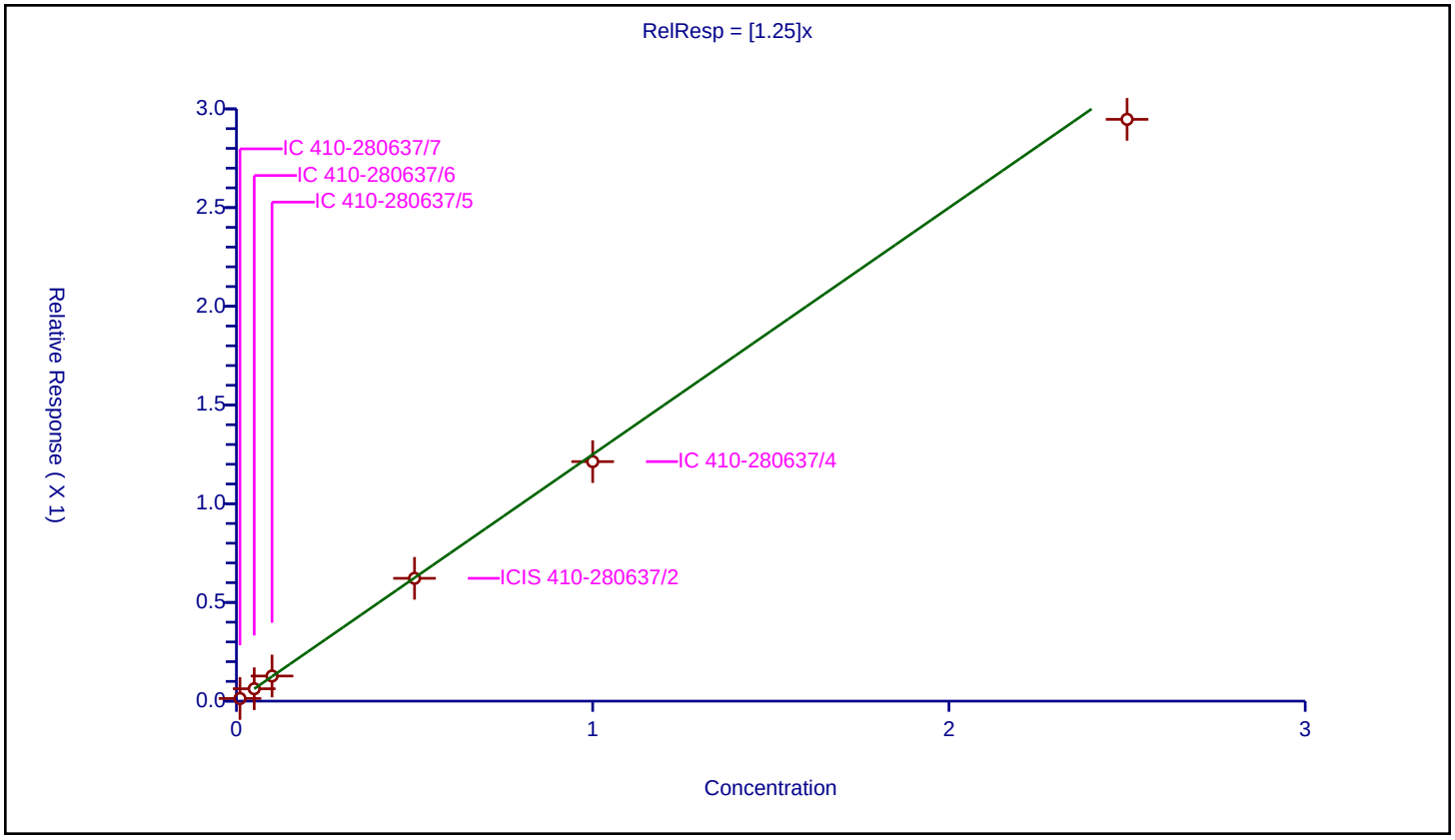
Curve Coefficients

Intercept:	0
Slope:	1.25

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.013329	0.25	232565.0	1.332853	Y
2	IC 410-280637/6	0.05	0.062791	0.25	231624.0	1.255828	Y
3	IC 410-280637/5	0.1	0.127237	0.25	234066.0	1.272365	Y
4	ICIS 410-280637/2	0.5	0.622102	0.25	222361.0	1.244204	Y
5	IC 410-280637/4	1.0	1.213383	0.25	241273.0	1.213383	Y
6	IC 410-280637/3	2.5	2.947137	0.25	246308.0	1.178855	Y



Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

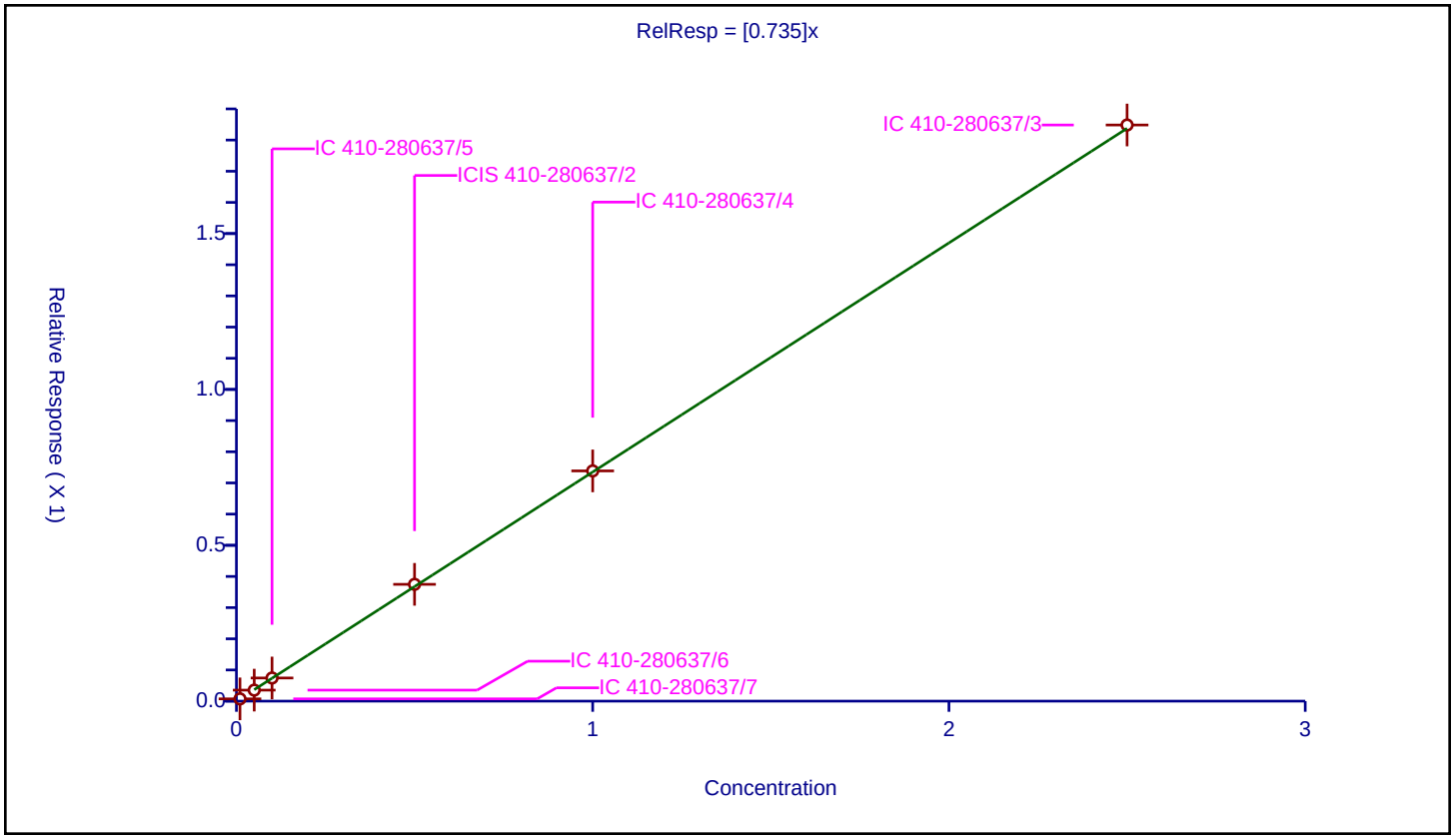
Curve Coefficients

Intercept:	0
Slope:	0.735

Error Coefficients

Standard Error:	888000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.007337	0.25	232565.0	0.733666	Y
2	IC 410-280637/6	0.05	0.035304	0.25	231624.0	0.70608	Y
3	IC 410-280637/5	0.1	0.074302	0.25	234066.0	0.743017	Y
4	ICIS 410-280637/2	0.5	0.374742	0.25	222361.0	0.749484	Y
5	IC 410-280637/4	1.0	0.738609	0.25	241273.0	0.738609	Y
6	IC 410-280637/3	2.5	1.848288	0.25	246308.0	0.739315	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

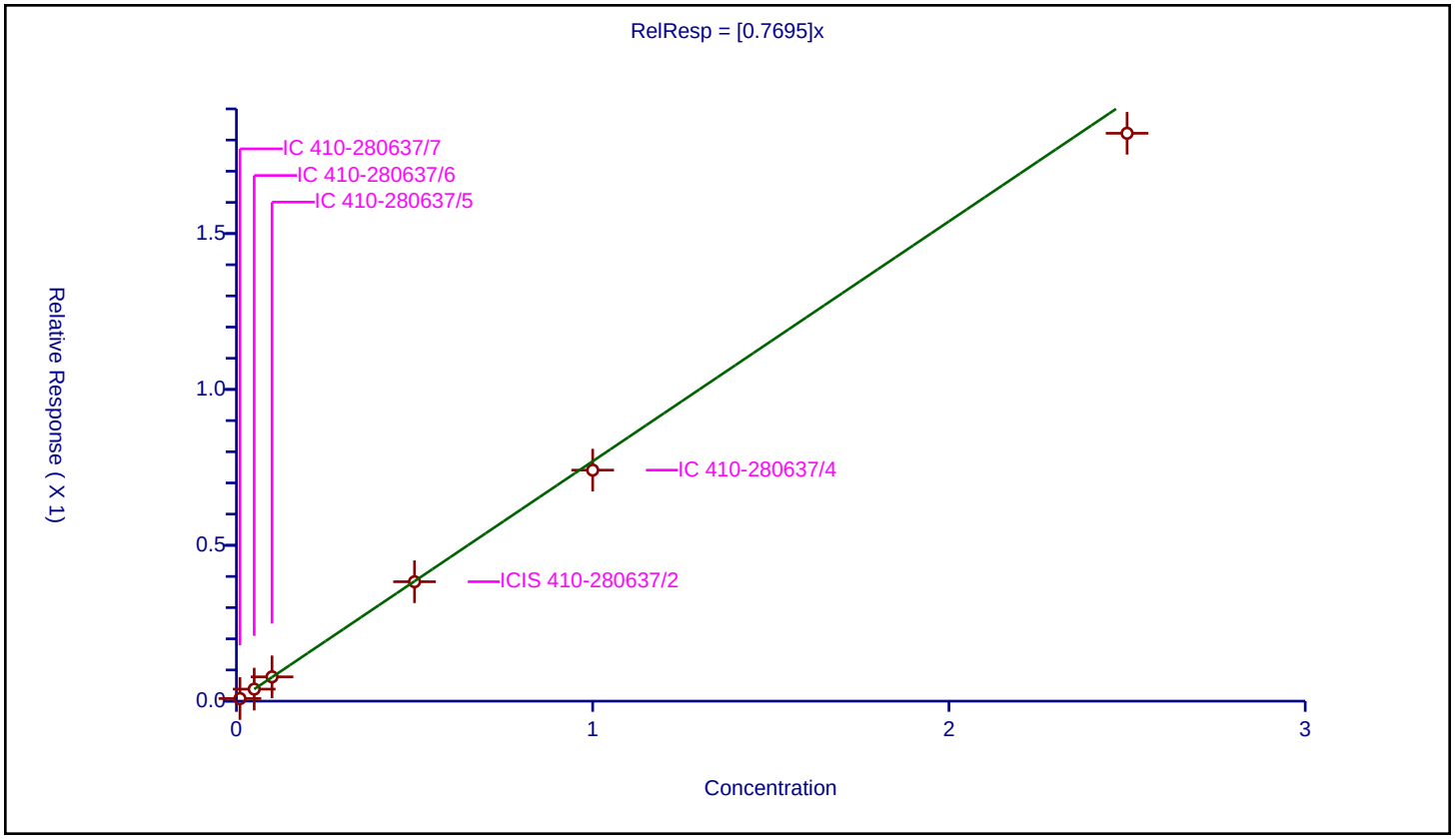
Curve Coefficients

Intercept:	0
Slope:	0.7695

Error Coefficients

Standard Error:	878000
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 410-280637/7	0.01	0.008294	0.25	232565.0	0.829446	Y
2	IC 410-280637/6	0.05	0.038613	0.25	231624.0	0.772265	Y
3	IC 410-280637/5	0.1	0.077949	0.25	234066.0	0.779492	Y
4	ICIS 410-280637/2	0.5	0.383134	0.25	222361.0	0.766267	Y
5	IC 410-280637/4	1.0	0.741093	0.25	241273.0	0.741093	Y
6	IC 410-280637/3	2.5	1.821754	0.25	246308.0	0.728701	Y



Calibration / 1-Methylnaphthalene-d10

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

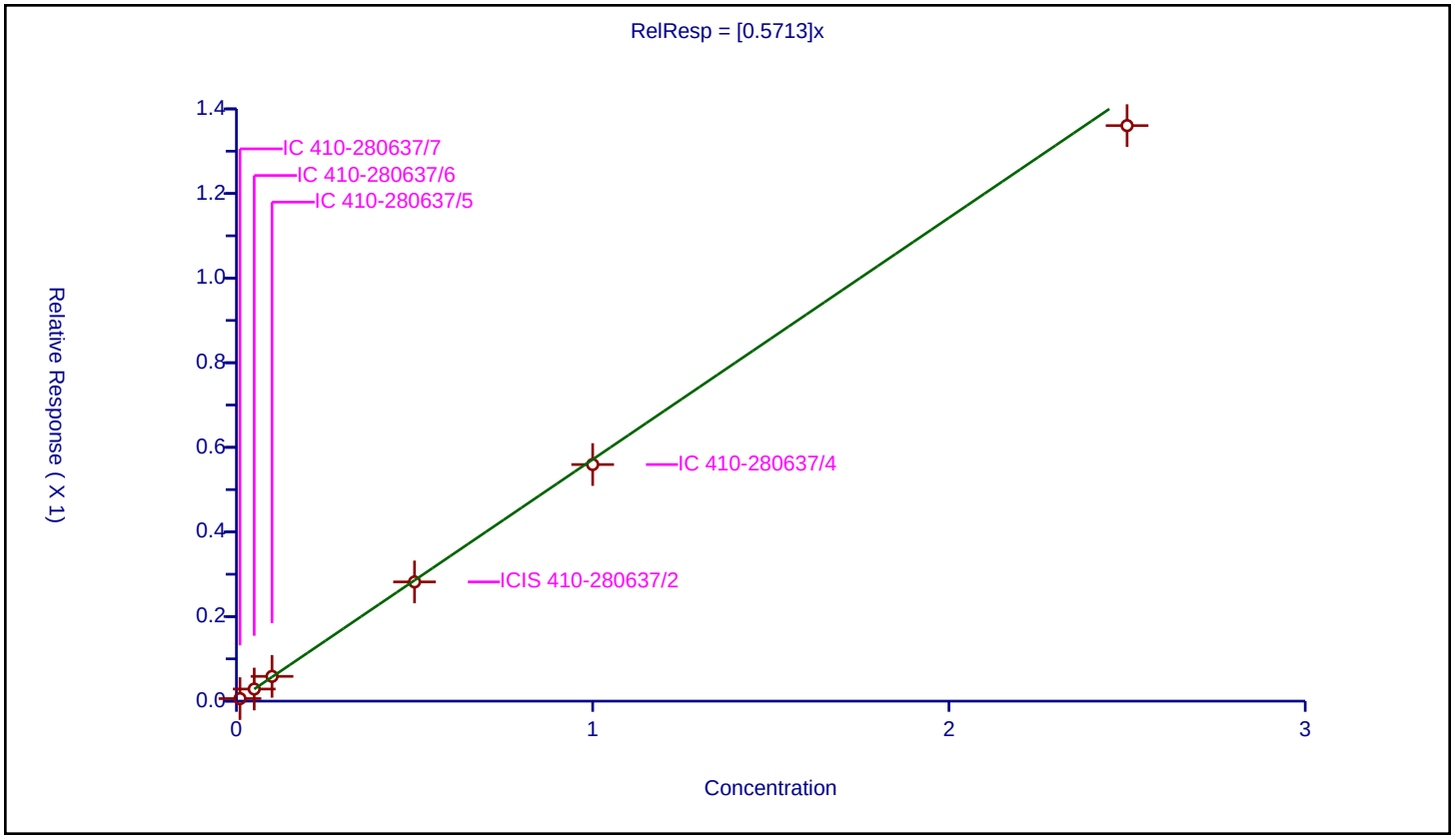
Curve Coefficients

Intercept:	0
Slope:	0.5713

Error Coefficients

Standard Error:	656000
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 410-280637/7	0.01	0.006031	0.25	232565.0	0.603057	Y
2	IC 410-280637/6	0.05	0.028588	0.25	231624.0	0.571767	Y
3	IC 410-280637/5	0.1	0.058592	0.25	234066.0	0.585924	Y
4	ICIS 410-280637/2	0.5	0.281827	0.25	222361.0	0.563653	Y
5	IC 410-280637/4	1.0	0.559308	0.25	241273.0	0.559308	Y
6	IC 410-280637/3	2.5	1.360467	0.25	246308.0	0.544187	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

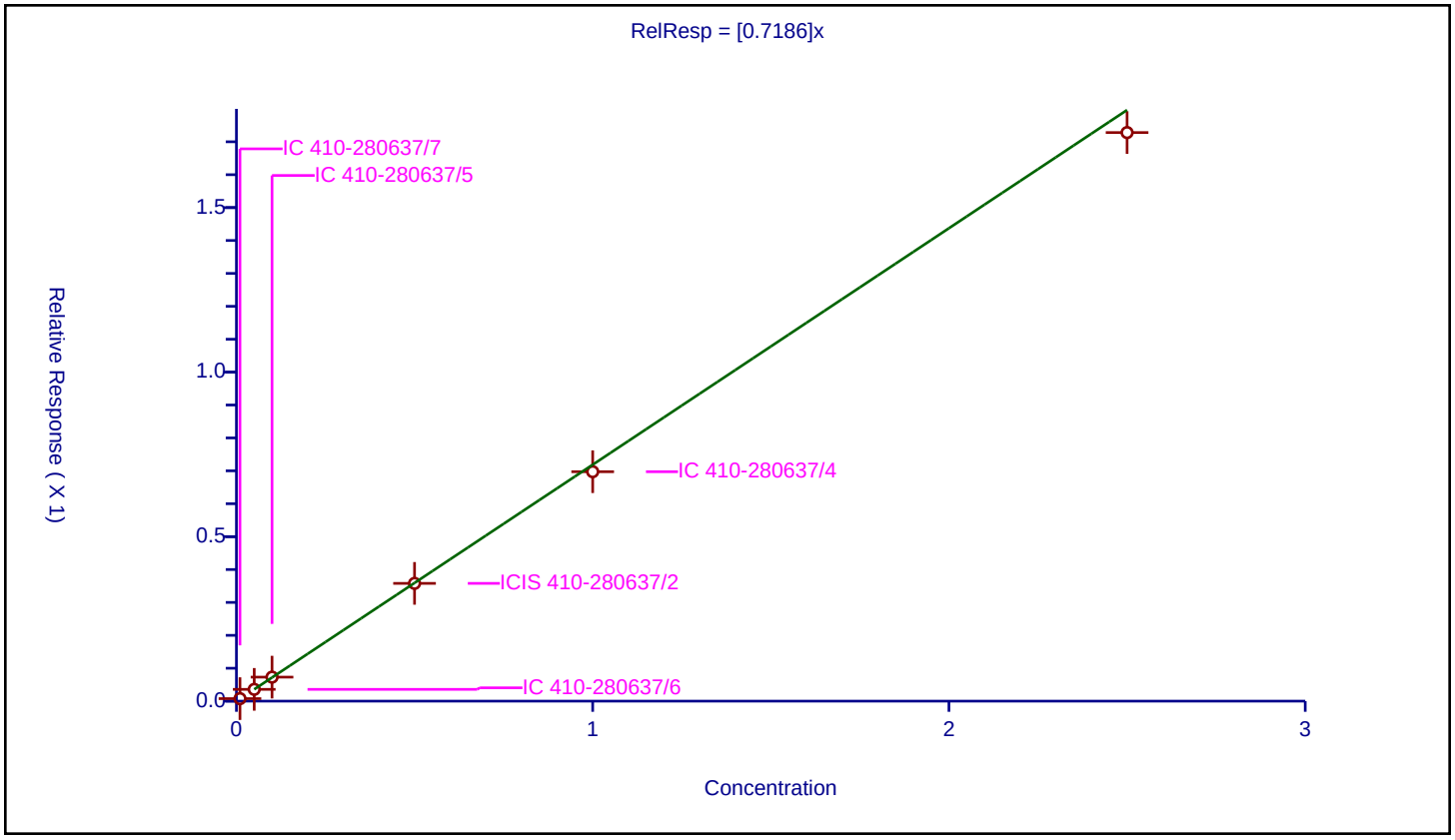
Curve Coefficients

Intercept:	0
Slope:	0.7186

Error Coefficients

Standard Error:	832000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.007613	0.25	232565.0	0.761293	Y
2	IC 410-280637/6	0.05	0.035811	0.25	231624.0	0.716225	Y
3	IC 410-280637/5	0.1	0.072984	0.25	234066.0	0.729837	Y
4	ICIS 410-280637/2	0.5	0.357935	0.25	222361.0	0.71587	Y
5	IC 410-280637/4	1.0	0.697345	0.25	241273.0	0.697345	Y
6	IC 410-280637/3	2.5	1.728062	0.25	246308.0	0.691225	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

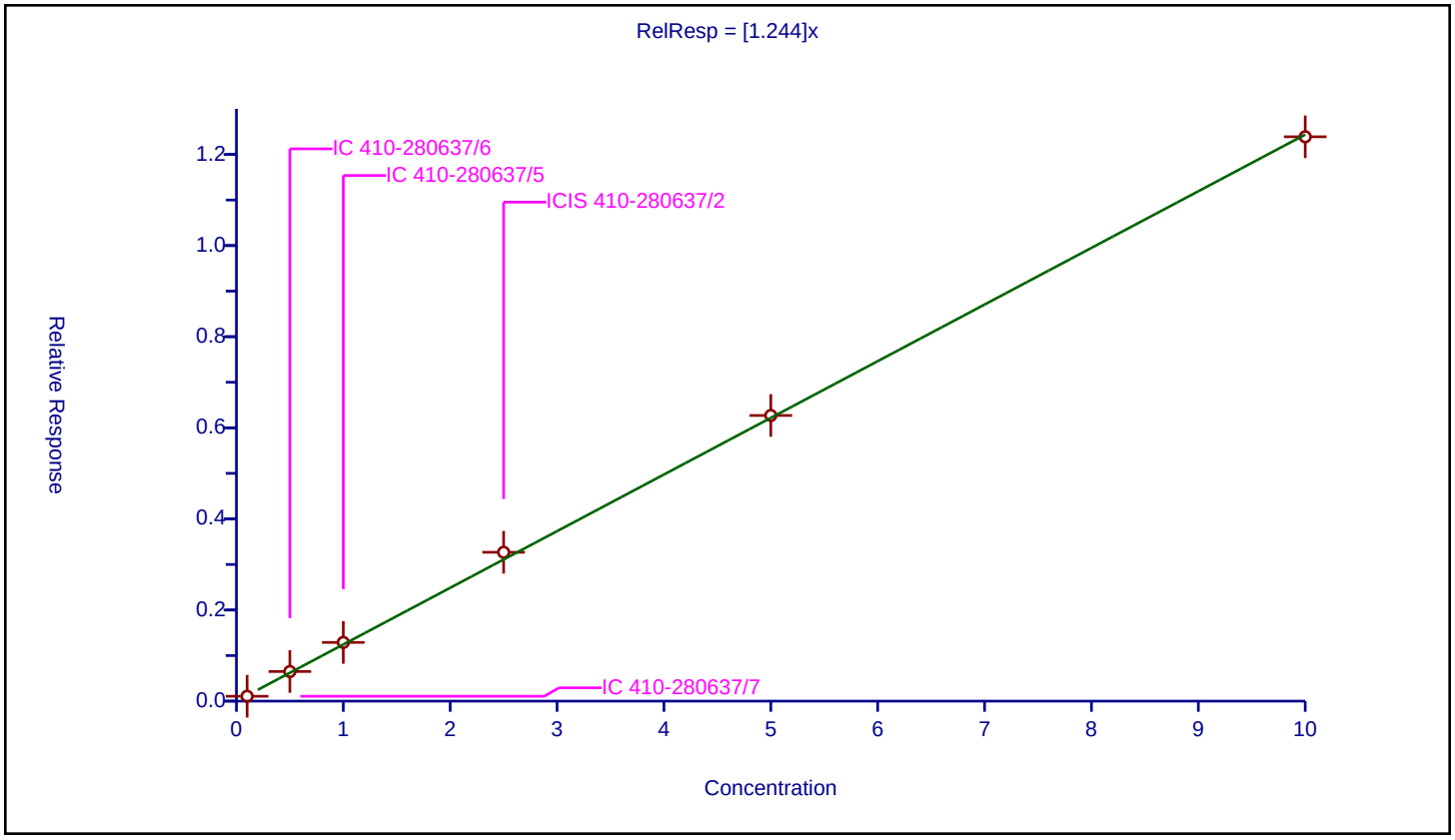
Curve Coefficients

Intercept:	0
Slope:	1.244

Error Coefficients

Standard Error:	3380000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.1	0.107239	0.25	125570.0	1.07239	Y
2	IC 410-280637/6	0.5	0.65018	0.25	128291.0	1.30036	Y
3	IC 410-280637/5	1.0	1.289045	0.25	131630.0	1.289045	Y
4	ICIS 410-280637/2	2.5	3.267557	0.25	120364.0	1.307023	Y
5	IC 410-280637/4	5.0	6.270454	0.25	135135.0	1.254091	Y
6	IC 410-280637/3	10.0	12.387608	0.25	131849.0	1.238761	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

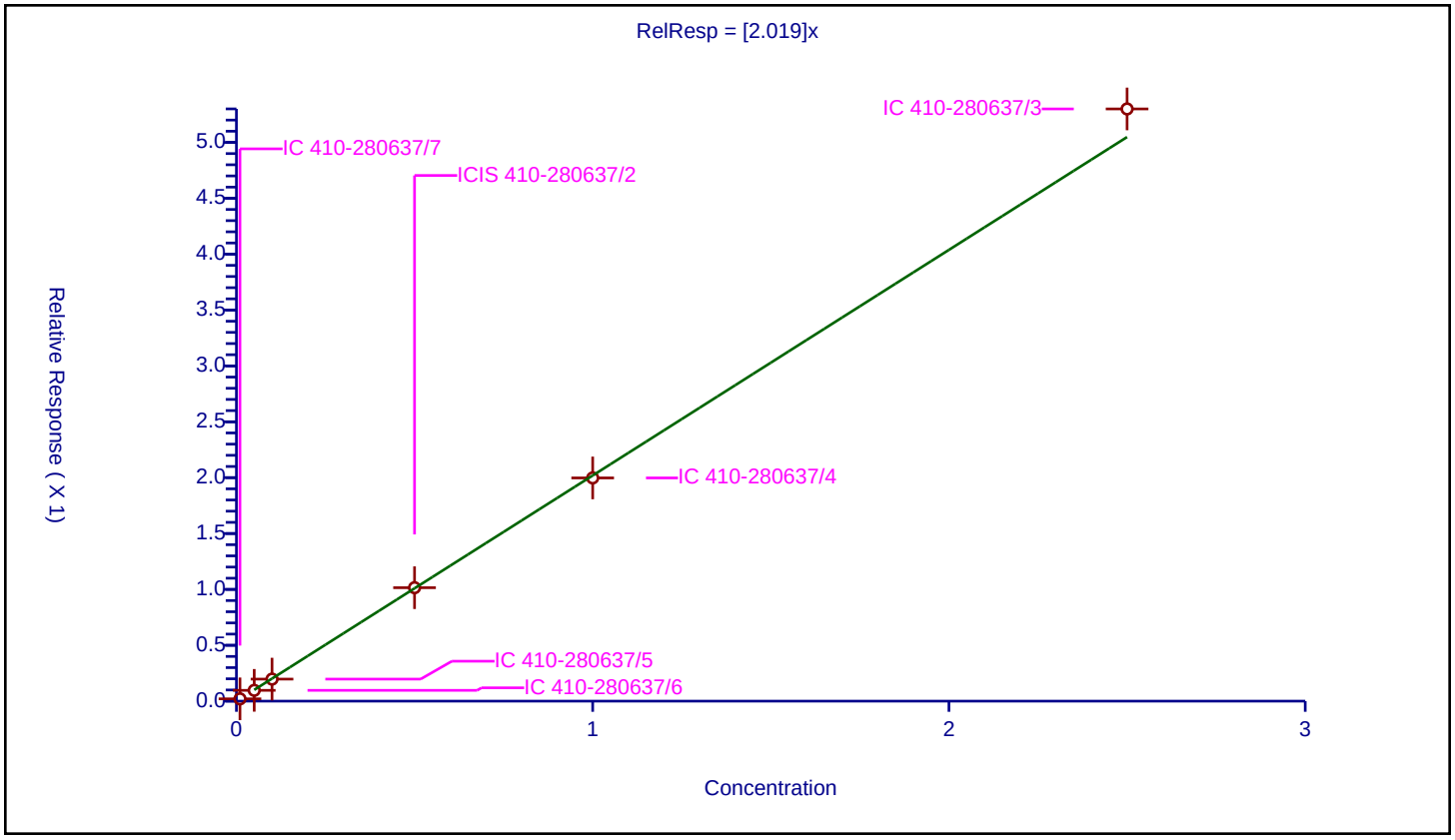
Curve Coefficients

Intercept:	0
Slope:	2.019

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	3.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.020606	0.25	125570.0	2.060604	Y
2	IC 410-280637/6	0.05	0.096714	0.25	128291.0	1.934274	Y
3	IC 410-280637/5	0.1	0.197309	0.25	131630.0	1.973087	Y
4	ICIS 410-280637/2	0.5	1.015208	0.25	120364.0	2.030416	Y
5	IC 410-280637/4	1.0	1.997419	0.25	135135.0	1.997419	Y
6	IC 410-280637/3	2.5	5.299564	0.25	131849.0	2.119826	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

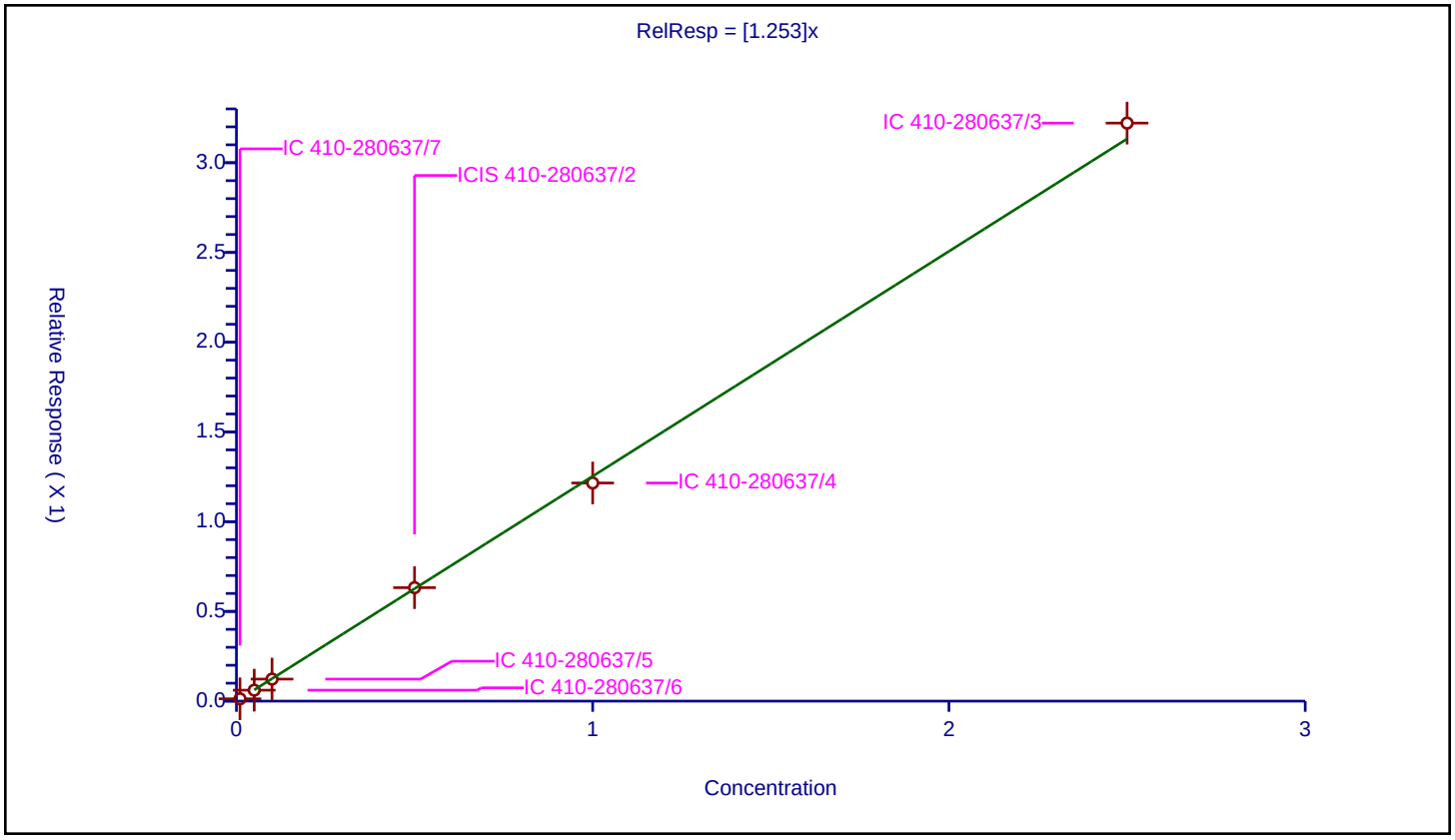
Curve Coefficients

Intercept:	0
Slope:	1.253

Error Coefficients

Standard Error:	826000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.013005	0.25	125570.0	1.30047	Y
2	IC 410-280637/6	0.05	0.06114	0.25	128291.0	1.222806	Y
3	IC 410-280637/5	0.1	0.122763	0.25	131630.0	1.227627	Y
4	ICIS 410-280637/2	0.5	0.632236	0.25	120364.0	1.264473	Y
5	IC 410-280637/4	1.0	1.215529	0.25	135135.0	1.215529	Y
6	IC 410-280637/3	2.5	3.22094	0.25	131849.0	1.288376	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

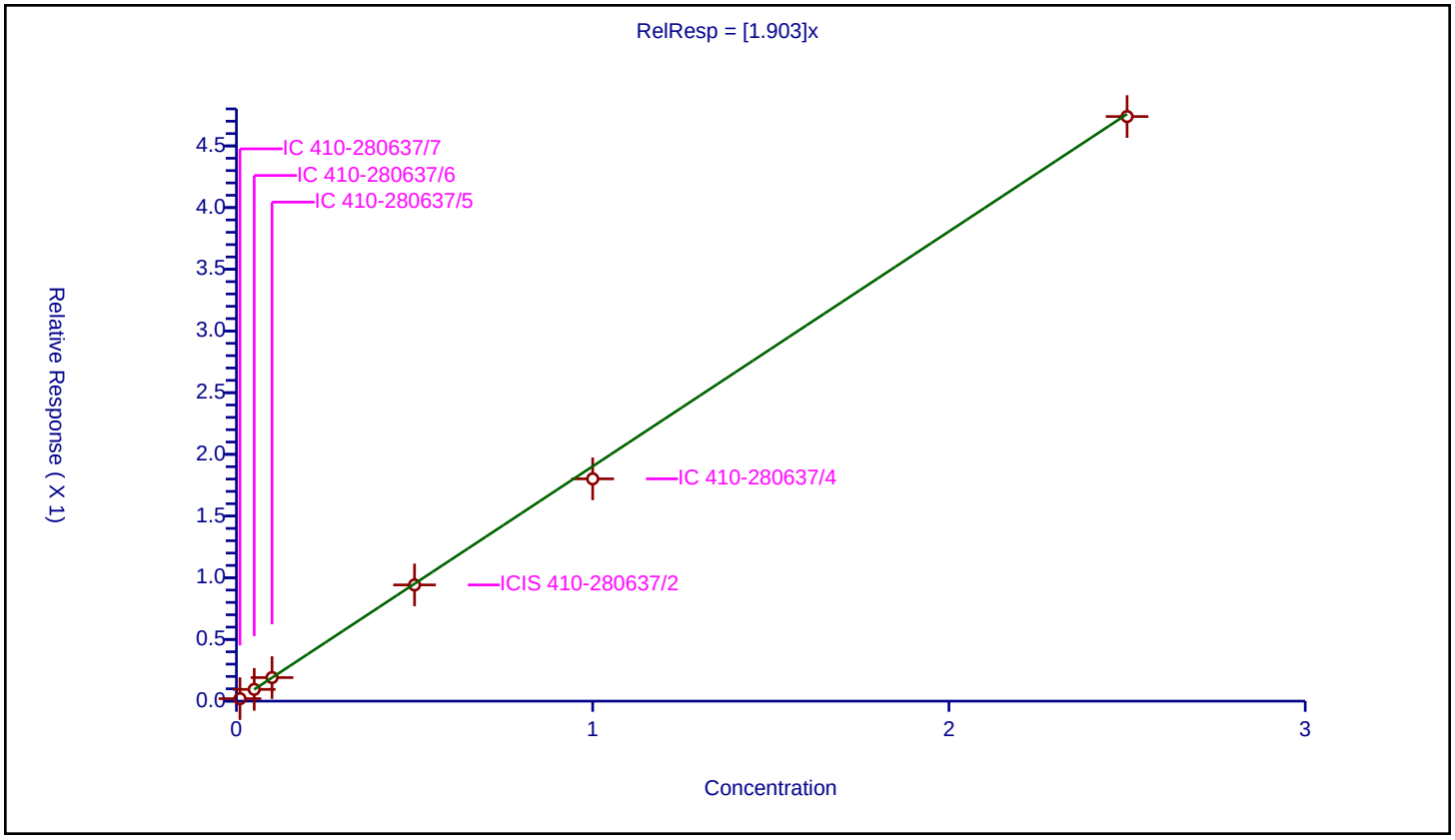
Curve Coefficients

Intercept:	0
Slope:	1.903

Error Coefficients

Standard Error:	1220000
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 410-280637/7	0.01	0.020238	0.25	125570.0	2.023772	Y
2	IC 410-280637/6	0.05	0.095254	0.25	128291.0	1.905083	Y
3	IC 410-280637/5	0.1	0.190996	0.25	131630.0	1.909956	Y
4	ICIS 410-280637/2	0.5	0.941897	0.25	120364.0	1.883794	Y
5	IC 410-280637/4	1.0	1.801626	0.25	135135.0	1.801626	Y
6	IC 410-280637/3	2.5	4.738117	0.25	131849.0	1.895247	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

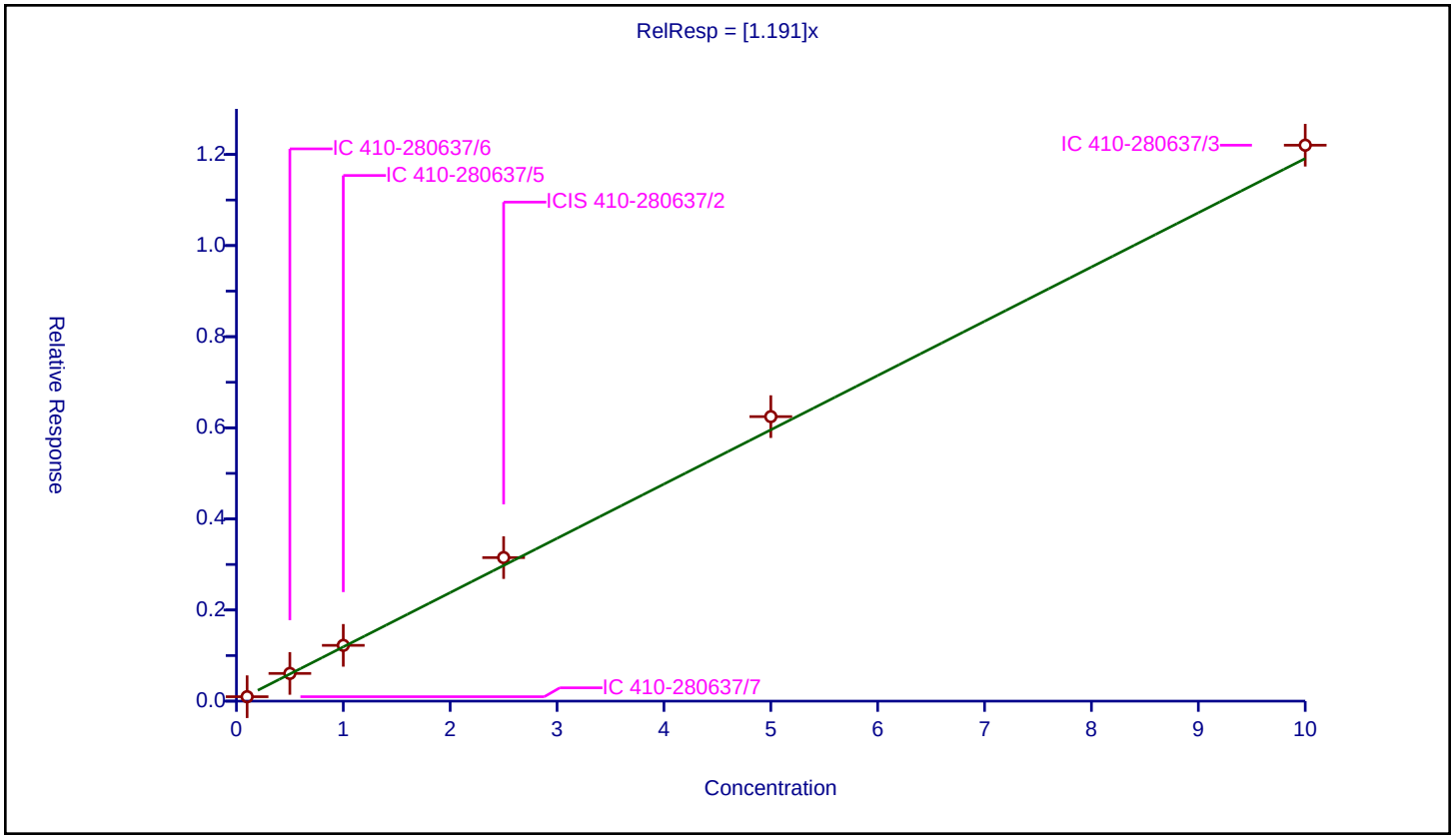
Curve Coefficients

Intercept:	0
Slope:	1.191

Error Coefficients

Standard Error:	3340000
Relative Standard Error:	9.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.1	0.097609	0.25	125570.0	0.976089	Y
2	IC 410-280637/6	0.5	0.608205	0.25	128291.0	1.21641	Y
3	IC 410-280637/5	1.0	1.224432	0.25	131630.0	1.224432	Y
4	ICIS 410-280637/2	2.5	3.150919	0.25	120364.0	1.260368	Y
5	IC 410-280637/4	5.0	6.245188	0.25	135135.0	1.249038	Y
6	IC 410-280637/3	10.0	12.203416	0.25	131849.0	1.220342	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

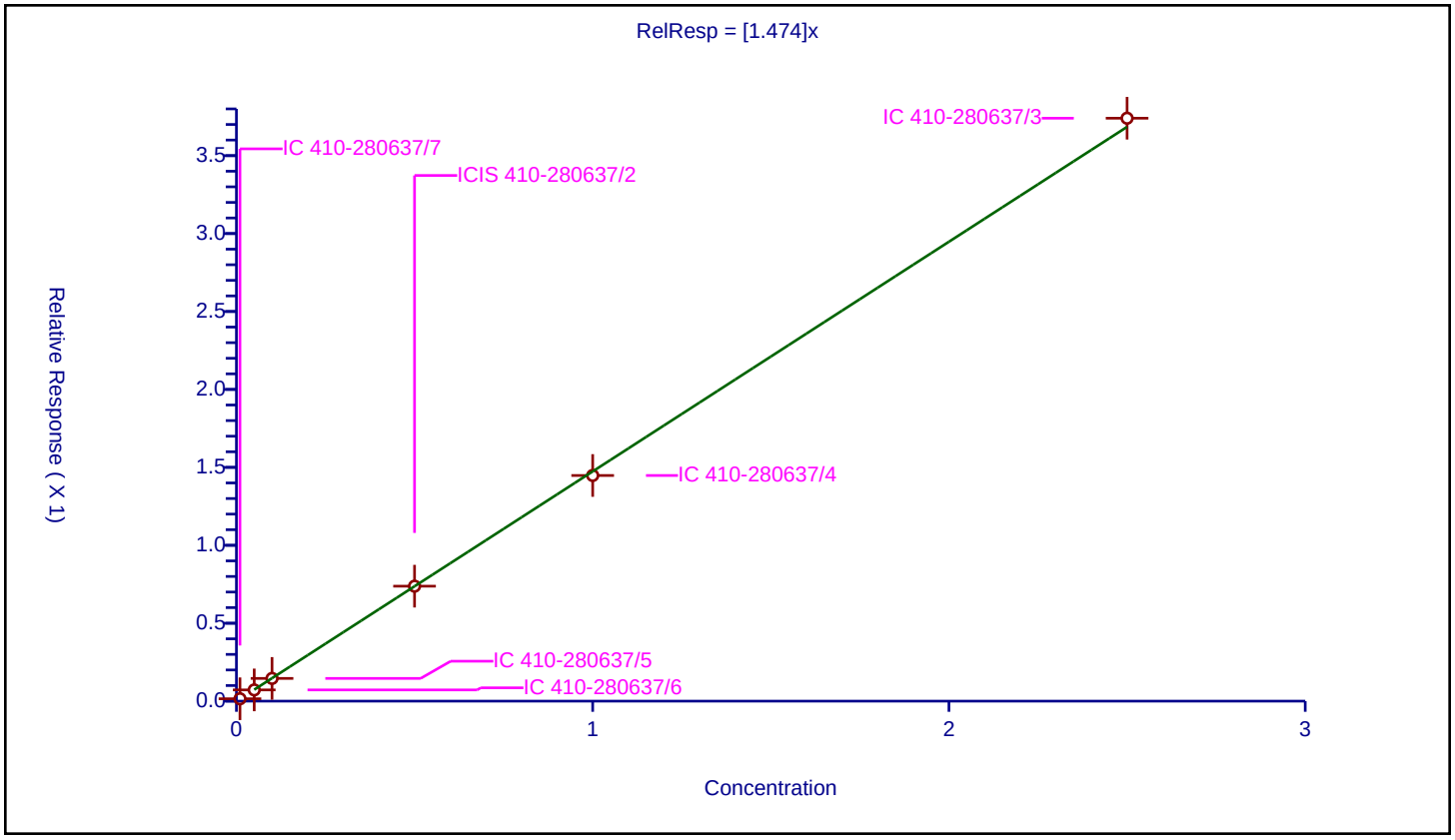
Curve Coefficients

Intercept:	0
Slope:	1.474

Error Coefficients

Standard Error:	963000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.015252	0.25	125570.0	1.525245	Y
2	IC 410-280637/6	0.05	0.071987	0.25	128291.0	1.439735	Y
3	IC 410-280637/5	0.1	0.145863	0.25	131630.0	1.458634	Y
4	ICIS 410-280637/2	0.5	0.737648	0.25	120364.0	1.475296	Y
5	IC 410-280637/4	1.0	1.447937	0.25	135135.0	1.447937	Y
6	IC 410-280637/3	2.5	3.740135	0.25	131849.0	1.496054	Y



Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

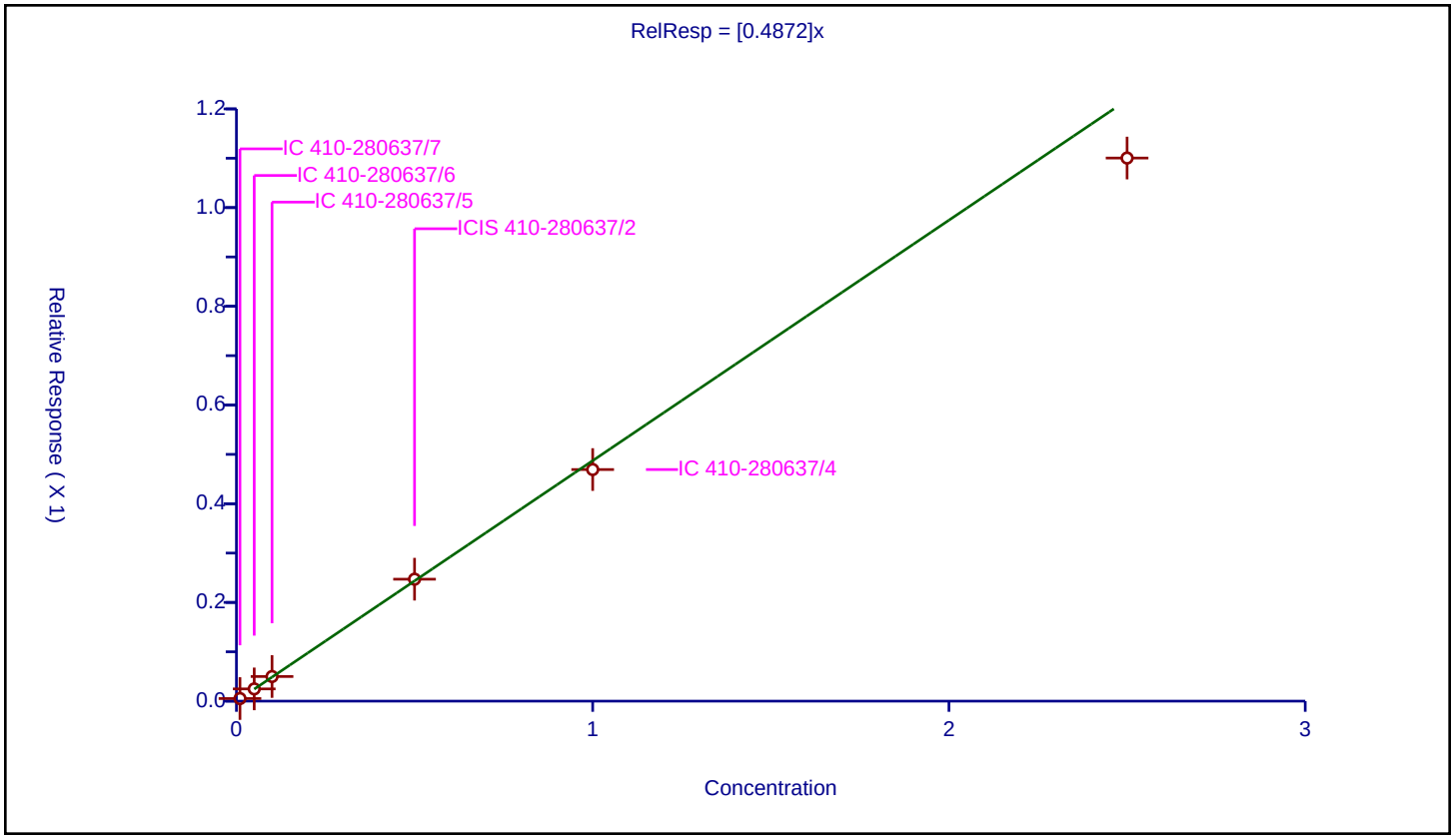
Curve Coefficients

Intercept:	0
Slope:	0.4872

Error Coefficients

Standard Error:	517000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.005247	0.25	222698.0	0.524702	Y
2	IC 410-280637/6	0.05	0.02482	0.25	230813.0	0.496398	Y
3	IC 410-280637/5	0.1	0.049876	0.25	233887.0	0.498756	Y
4	ICIS 410-280637/2	0.5	0.247089	0.25	218059.0	0.494178	Y
5	IC 410-280637/4	1.0	0.469229	0.25	240826.0	0.469229	Y
6	IC 410-280637/3	2.5	1.100445	0.25	236628.0	0.440178	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

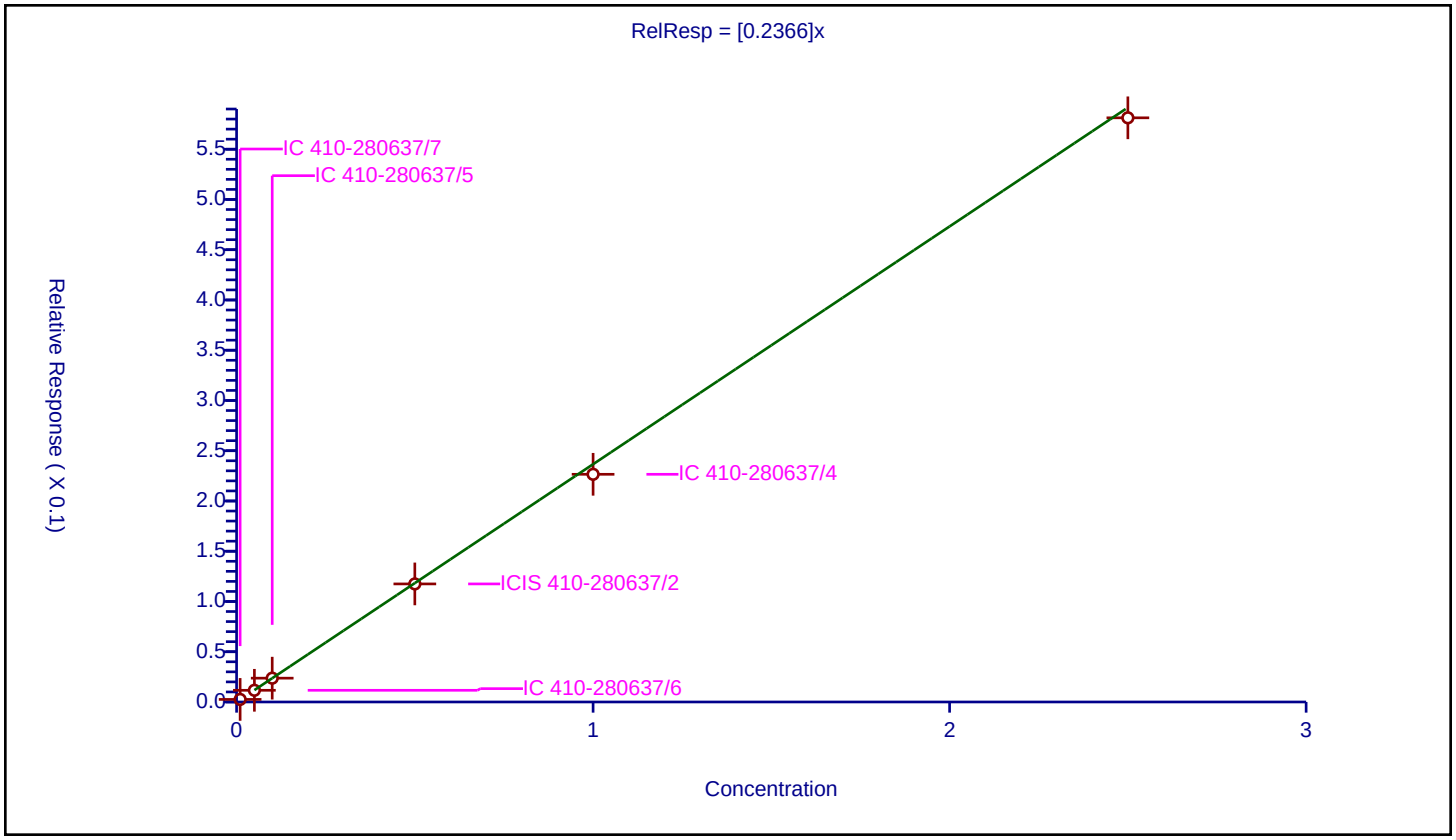
Curve Coefficients

Intercept:	0
Slope:	0.2366

Error Coefficients

Standard Error:	269000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.002556	0.25	222698.0	0.255615	Y
2	IC 410-280637/6	0.05	0.011647	0.25	230813.0	0.232937	Y
3	IC 410-280637/5	0.1	0.023697	0.25	233887.0	0.236973	Y
4	ICIS 410-280637/2	0.5	0.117484	0.25	218059.0	0.234969	Y
5	IC 410-280637/4	1.0	0.226561	0.25	240826.0	0.226561	Y
6	IC 410-280637/3	2.5	0.581246	0.25	236628.0	0.232498	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

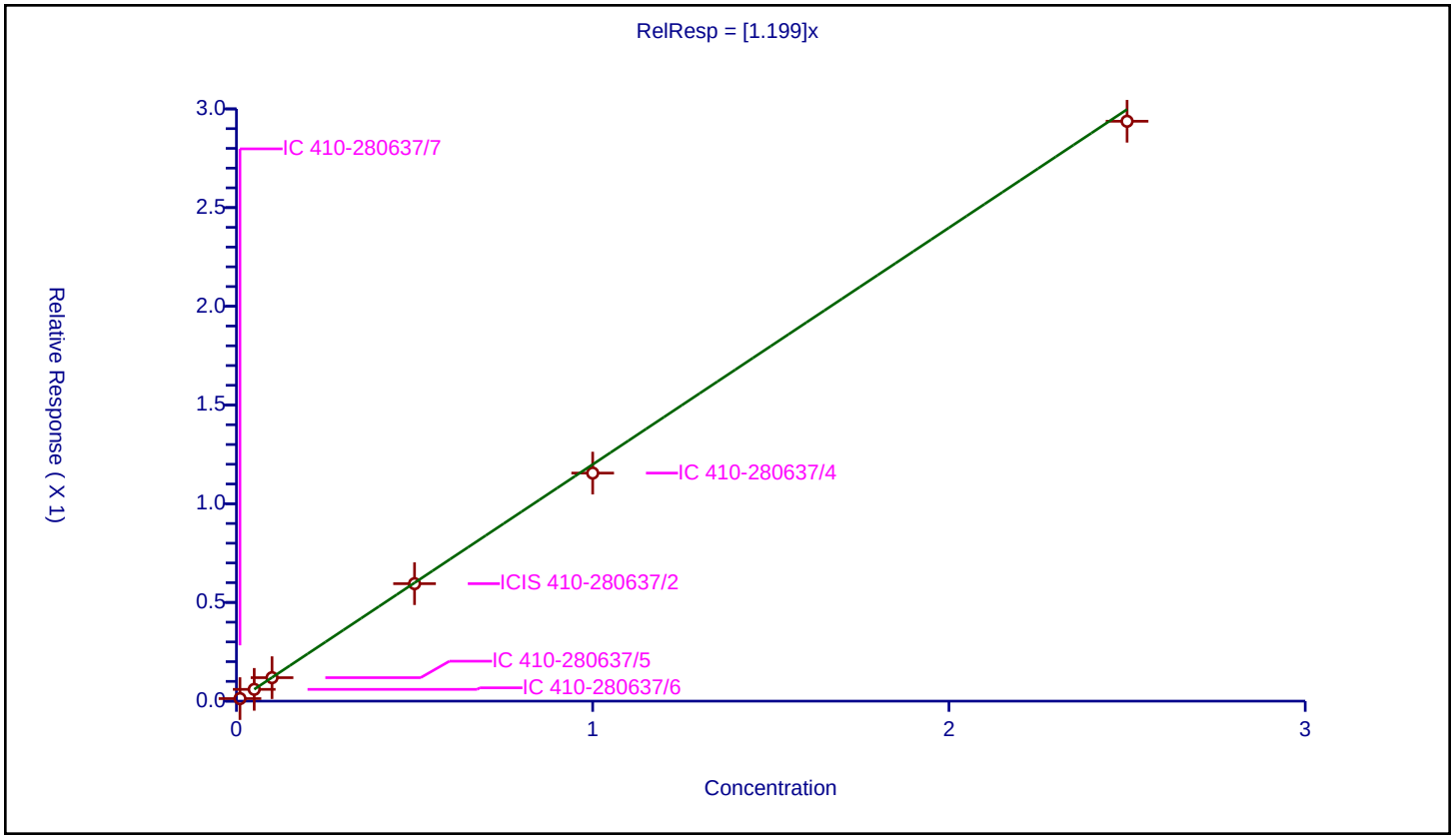
Curve Coefficients

Intercept:	0
Slope:	1.199

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.012918	0.25	222698.0	1.291772	Y
2	IC 410-280637/6	0.05	0.059659	0.25	230813.0	1.193174	Y
3	IC 410-280637/5	0.1	0.118869	0.25	233887.0	1.188694	Y
4	ICIS 410-280637/2	0.5	0.595026	0.25	218059.0	1.190052	Y
5	IC 410-280637/4	1.0	1.155185	0.25	240826.0	1.155185	Y
6	IC 410-280637/3	2.5	2.937377	0.25	236628.0	1.174951	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

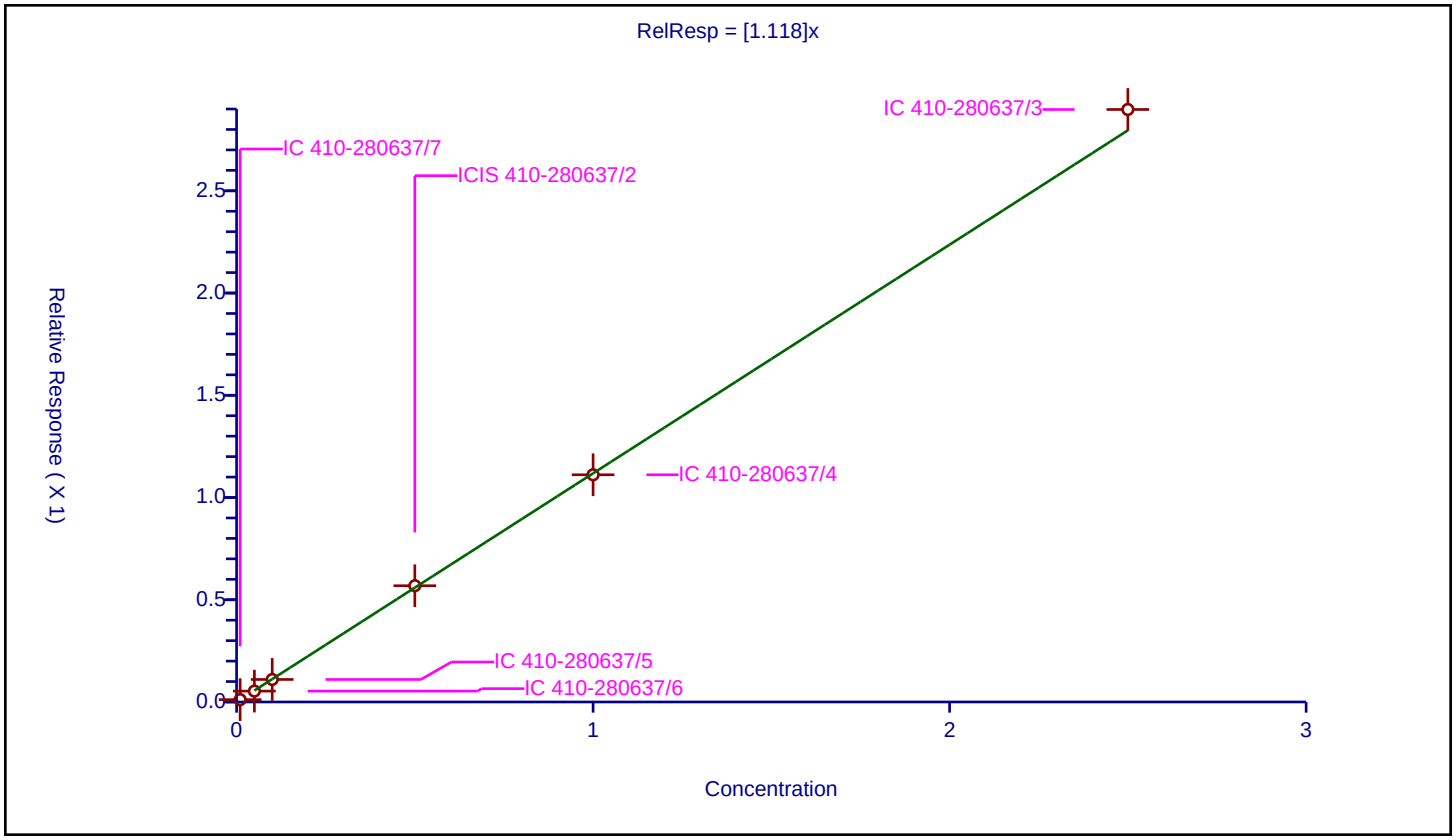
Curve Coefficients

Intercept:	0
Slope:	1.118

Error Coefficients

Standard Error:	1340000
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 410-280637/7	0.01	0.011346	0.25	222698.0	1.134608	Y
2	IC 410-280637/6	0.05	0.053317	0.25	230813.0	1.066339	Y
3	IC 410-280637/5	0.1	0.110122	0.25	233887.0	1.101216	Y
4	ICIS 410-280637/2	0.5	0.56857	0.25	218059.0	1.137139	Y
5	IC 410-280637/4	1.0	1.111194	0.25	240826.0	1.111194	Y
6	IC 410-280637/3	2.5	2.897698	0.25	236628.0	1.159079	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

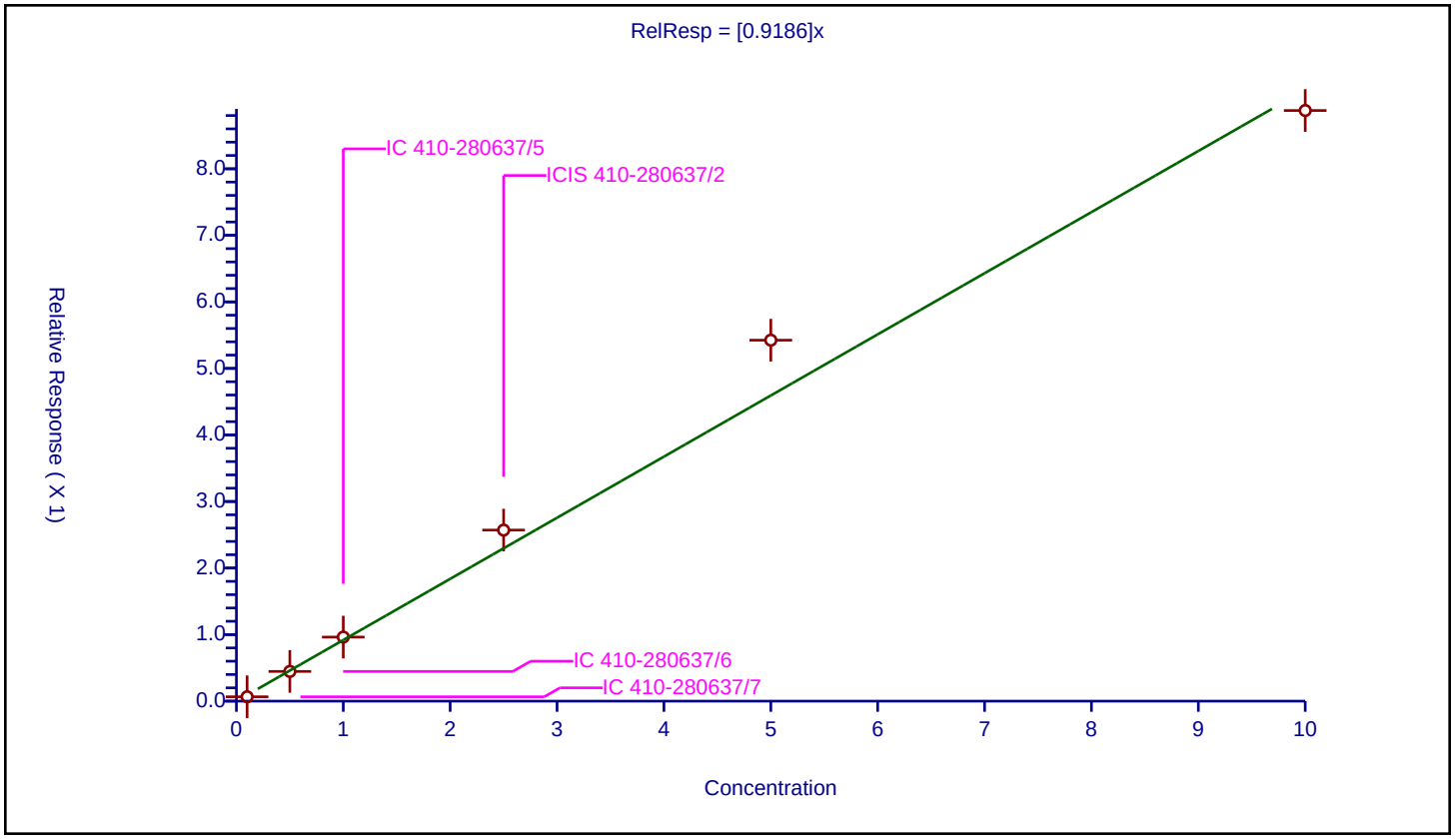
Curve Coefficients

Intercept:	0
Slope:	0.9186

Error Coefficients

Standard Error:	4560000
Relative Standard Error:	16.3
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.1	0.065579	0.25	222698.0	0.655787	Y
2	IC 410-280637/6	0.5	0.446367	0.25	230813.0	0.892734	Y
3	IC 410-280637/5	1.0	0.962271	0.25	233887.0	0.962271	Y
4	ICIS 410-280637/2	2.5	2.570443	0.25	218059.0	1.028177	Y
5	IC 410-280637/4	5.0	5.424295	0.25	240826.0	1.084859	Y
6	IC 410-280637/3	10.0	8.875519	0.25	236628.0	0.887552	Y



Calibration / Fluoranthene-d10 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

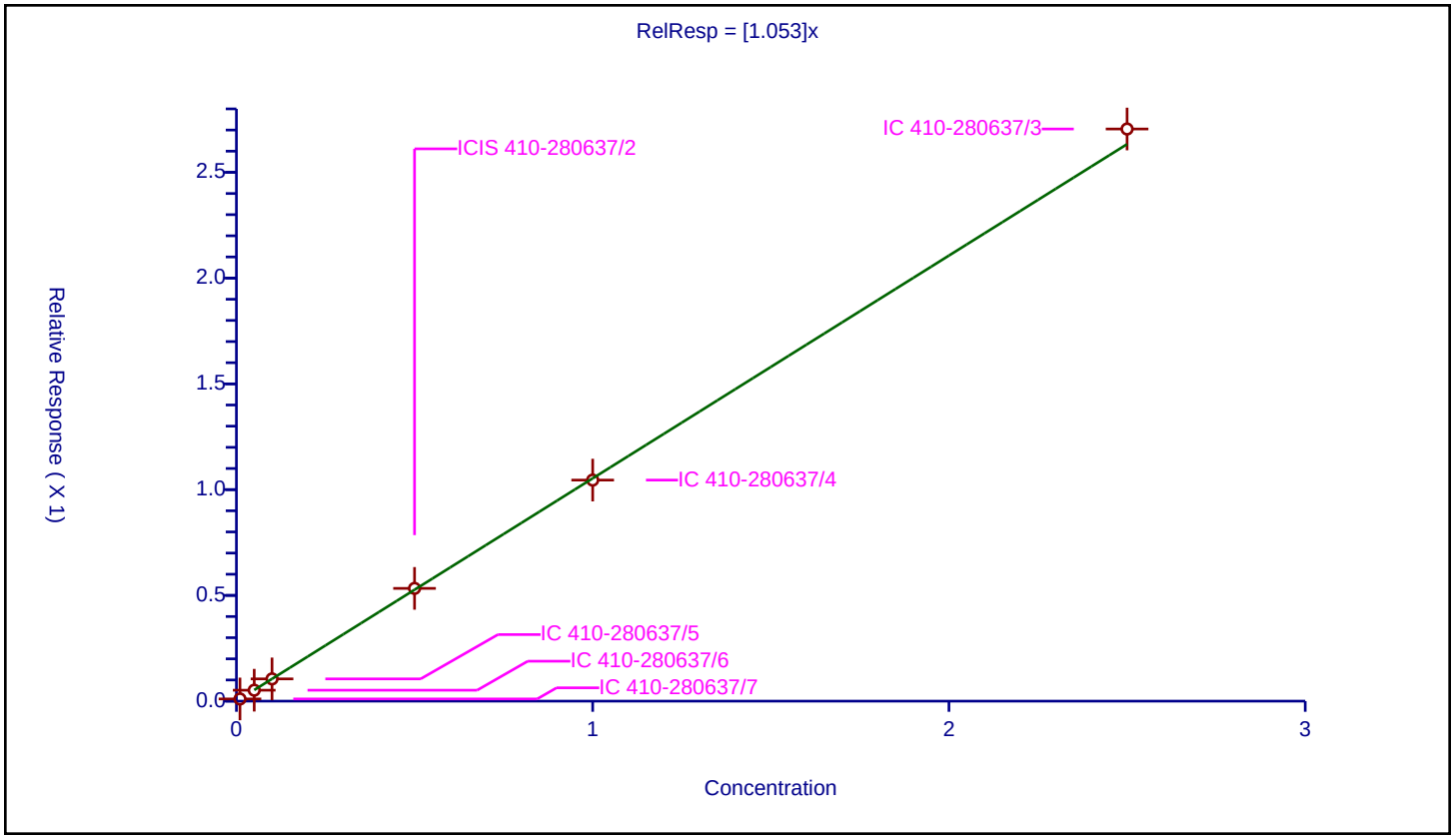
Curve Coefficients

Intercept:	0
Slope:	1.053

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.010408	0.25	222698.0	1.040759	Y
2	IC 410-280637/6	0.05	0.051689	0.25	230813.0	1.033781	Y
3	IC 410-280637/5	0.1	0.10519	0.25	233887.0	1.051897	Y
4	ICIS 410-280637/2	0.5	0.533027	0.25	218059.0	1.066053	Y
5	IC 410-280637/4	1.0	1.04511	0.25	240826.0	1.04511	Y
6	IC 410-280637/3	2.5	2.70491	0.25	236628.0	1.081964	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

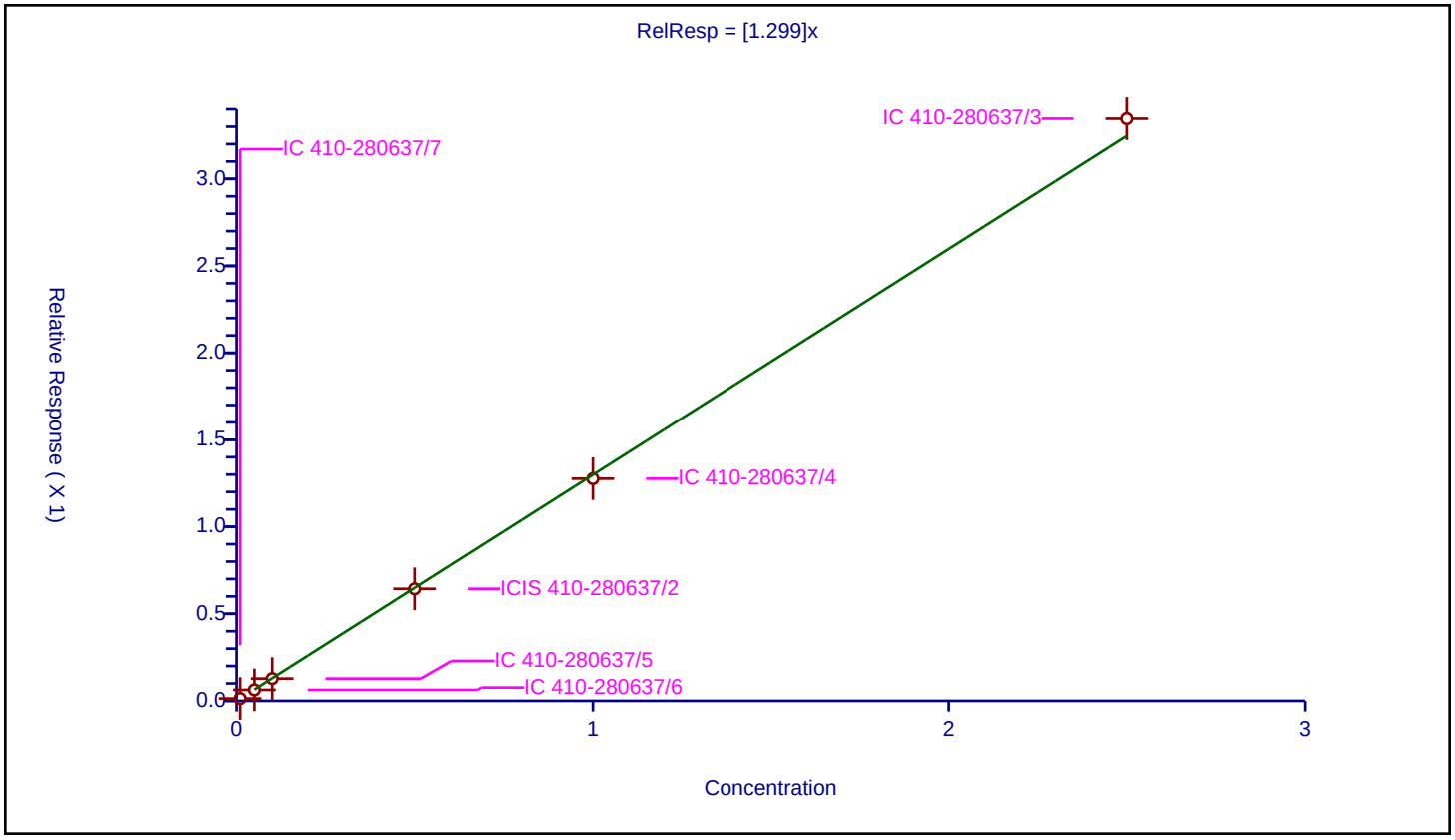
Curve Coefficients

Intercept:	0
Slope:	1.299

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	2.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.013486	0.25	222698.0	1.348575	Y
2	IC 410-280637/6	0.05	0.063146	0.25	230813.0	1.262927	Y
3	IC 410-280637/5	0.1	0.127913	0.25	233887.0	1.279133	Y
4	ICIS 410-280637/2	0.5	0.643681	0.25	218059.0	1.287363	Y
5	IC 410-280637/4	1.0	1.276554	0.25	240826.0	1.276554	Y
6	IC 410-280637/3	2.5	3.345938	0.25	236628.0	1.338375	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

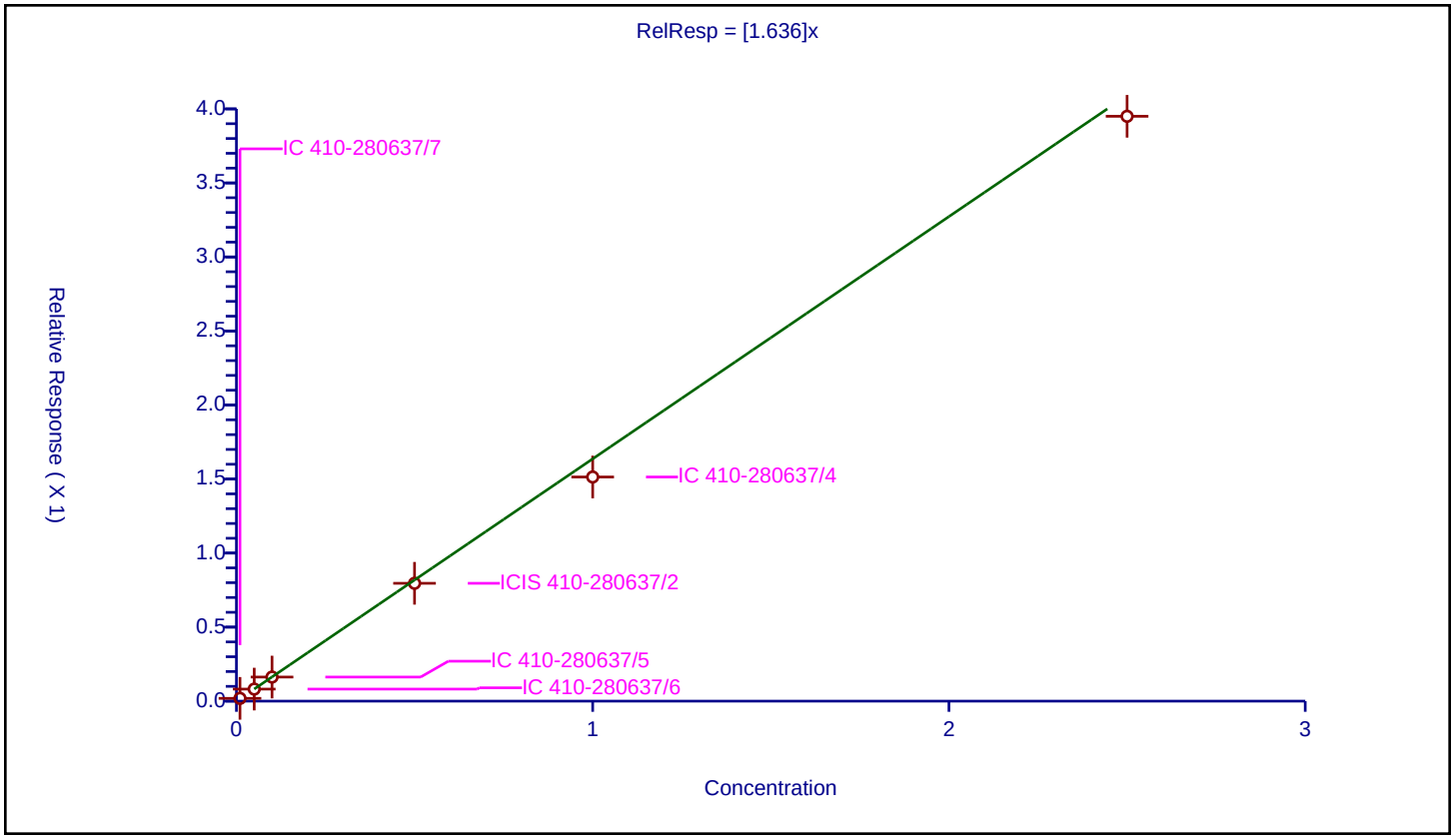
Curve Coefficients

Intercept:	0
Slope:	1.636

Error Coefficients

Standard Error:	1610000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.01878	0.25	171370.0	1.877954	Y
2	IC 410-280637/6	0.05	0.081355	0.25	184226.0	1.627105	Y
3	IC 410-280637/5	0.1	0.162724	0.25	191917.0	1.62724	Y
4	ICIS 410-280637/2	0.5	0.795913	0.25	186396.0	1.591826	Y
5	IC 410-280637/4	1.0	1.513893	0.25	214815.0	1.513893	Y
6	IC 410-280637/3	2.5	3.950074	0.25	208205.0	1.58003	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

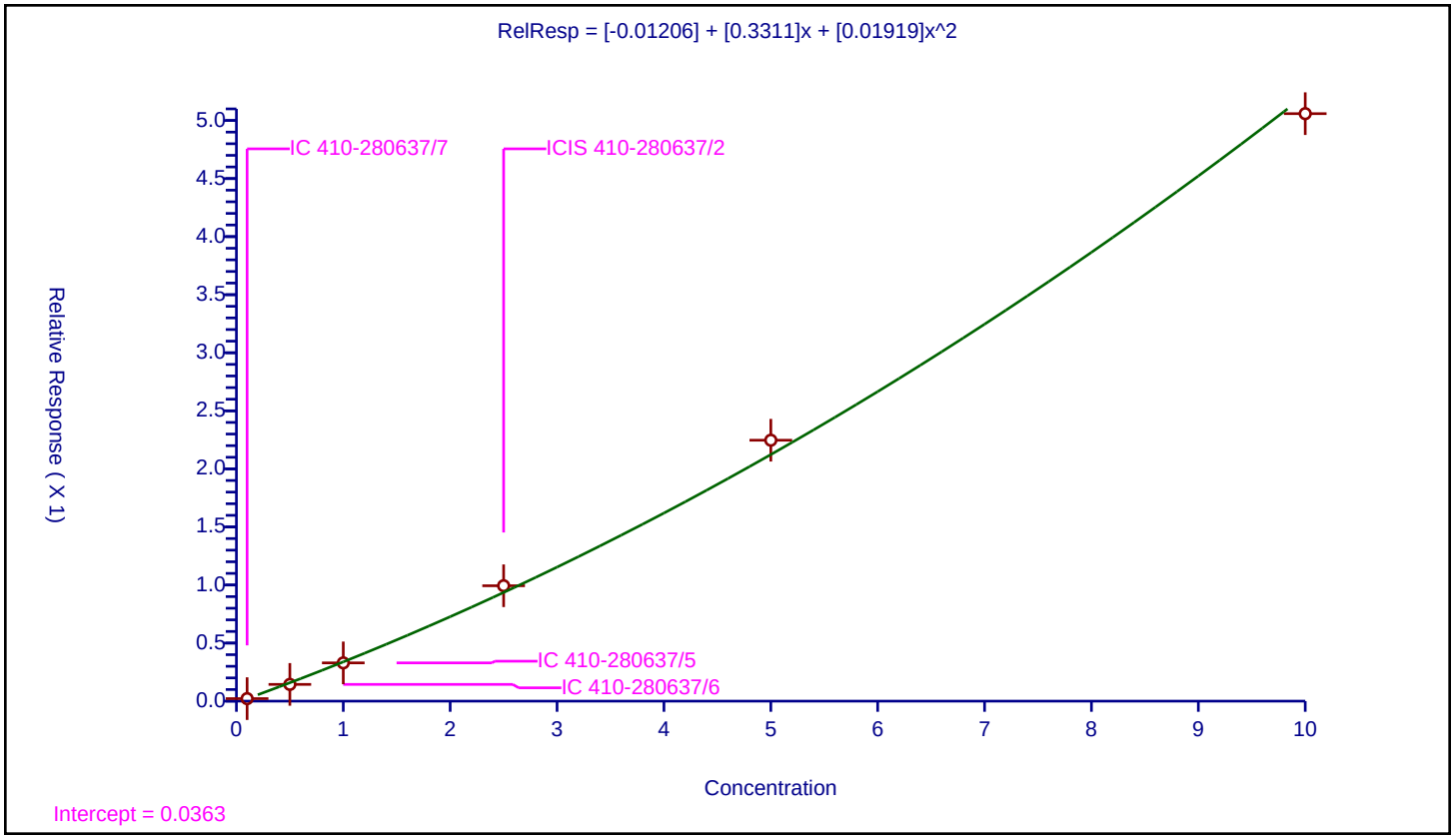
Curve Coefficients

Intercept:	-0.01206
Slope:	0.3311
Second Order:	0.01919

Error Coefficients

Standard Error:	2710000
Relative Standard Error:	6.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.1	0.021776	0.25	171370.0	0.21776	Y
2	IC 410-280637/6	0.5	0.144065	0.25	184226.0	0.28813	Y
3	IC 410-280637/5	1.0	0.329407	0.25	191917.0	0.329407	Y
4	ICIS 410-280637/2	2.5	0.993692	0.25	186396.0	0.397477	Y
5	IC 410-280637/4	5.0	2.246763	0.25	214815.0	0.449353	Y
6	IC 410-280637/3	10.0	5.059022	0.25	208205.0	0.505902	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

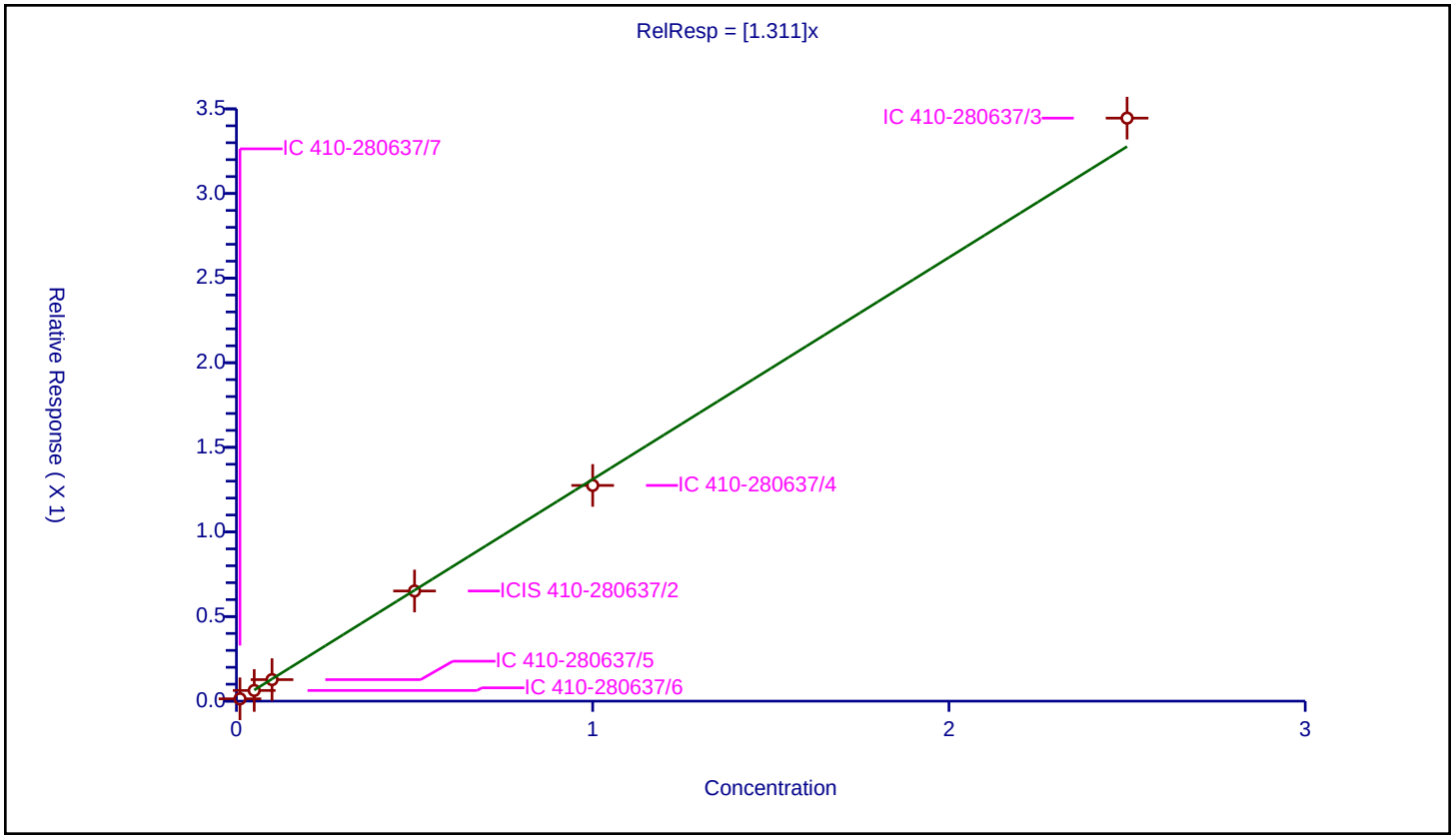
Curve Coefficients

Intercept:	0
Slope:	1.311

Error Coefficients

Standard Error:	1390000
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 410-280637/7	0.01	0.013787	0.25	171370.0	1.378742	Y
2	IC 410-280637/6	0.05	0.063076	0.25	184226.0	1.261521	Y
3	IC 410-280637/5	0.1	0.127108	0.25	191917.0	1.271083	Y
4	ICIS 410-280637/2	0.5	0.650872	0.25	186396.0	1.301745	Y
5	IC 410-280637/4	1.0	1.274878	0.25	214815.0	1.274878	Y
6	IC 410-280637/3	2.5	3.445452	0.25	208205.0	1.378181	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

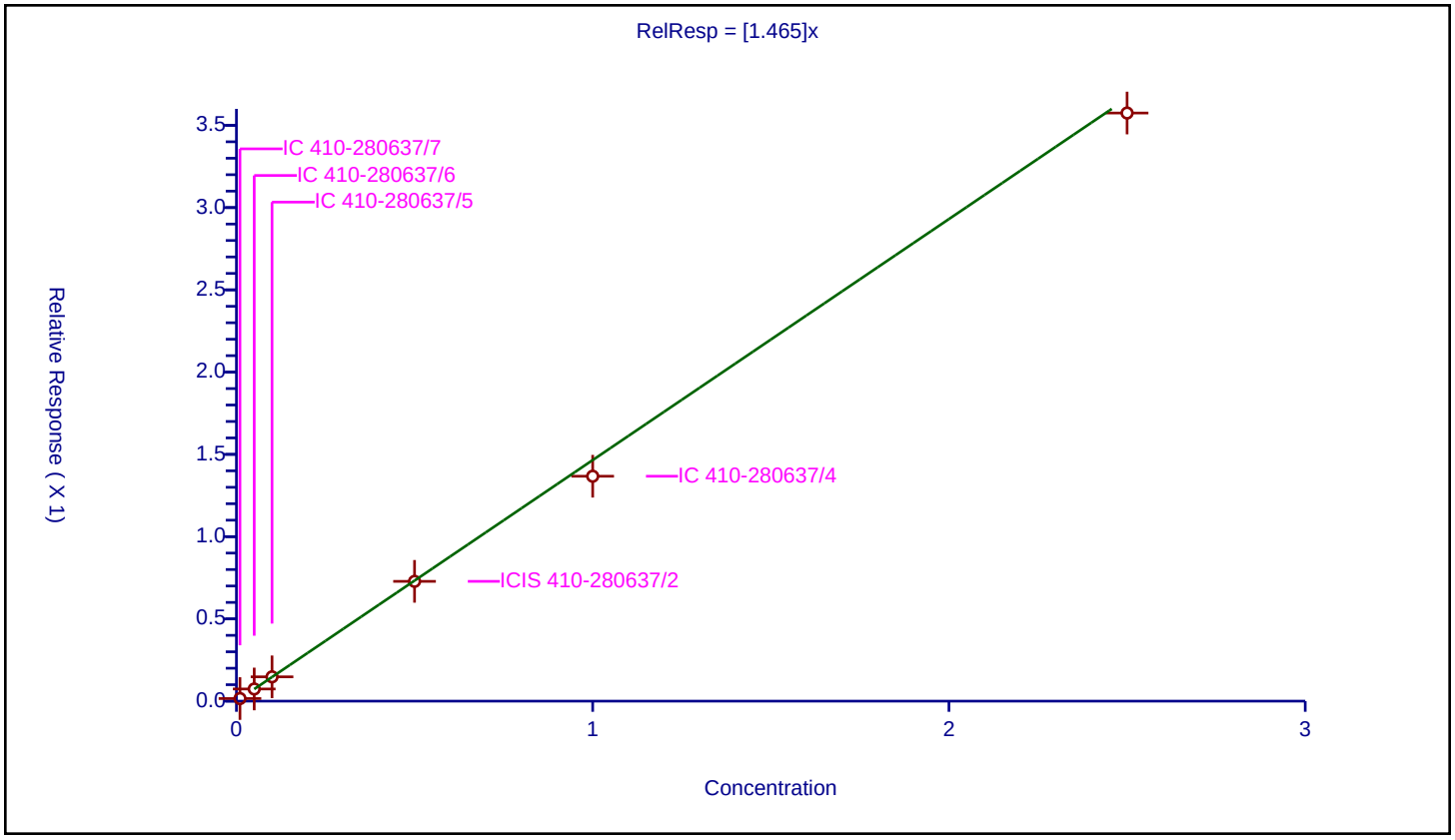
Curve Coefficients

Intercept:	0
Slope:	1.465

Error Coefficients

Standard Error:	1450000
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 410-280637/7	0.01	0.015822	0.25	171370.0	1.582249	Y
2	IC 410-280637/6	0.05	0.073938	0.25	184226.0	1.478754	Y
3	IC 410-280637/5	0.1	0.147688	0.25	191917.0	1.476875	Y
4	ICIS 410-280637/2	0.5	0.728049	0.25	186396.0	1.456099	Y
5	IC 410-280637/4	1.0	1.367206	0.25	214815.0	1.367206	Y
6	IC 410-280637/3	2.5	3.574859	0.25	208205.0	1.429944	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

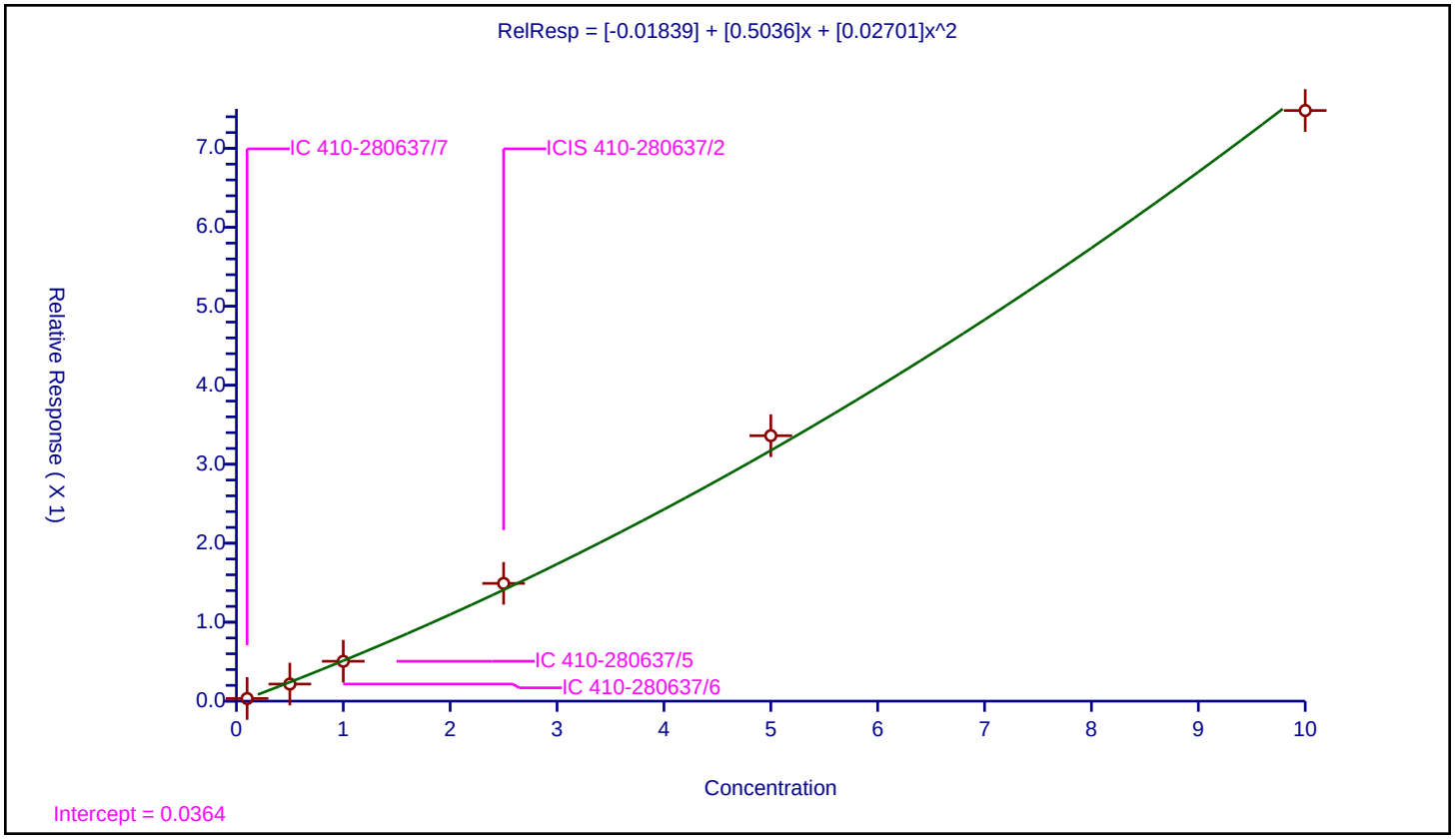
Curve Coefficients

Intercept:	-0.01839
Slope:	0.5036
Second Order:	0.02701

Error Coefficients

Standard Error:	4020000
Relative Standard Error:	6.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.1	0.033073	0.25	171370.0	0.330732	Y
2	IC 410-280637/6	0.5	0.216492	0.25	184226.0	0.432984	Y
3	IC 410-280637/5	1.0	0.504946	0.25	191917.0	0.504946	Y
4	ICIS 410-280637/2	2.5	1.490885	0.25	186396.0	0.596354	Y
5	IC 410-280637/4	5.0	3.361562	0.25	214815.0	0.672312	Y
6	IC 410-280637/3	10.0	7.479401	0.25	208205.0	0.74794	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

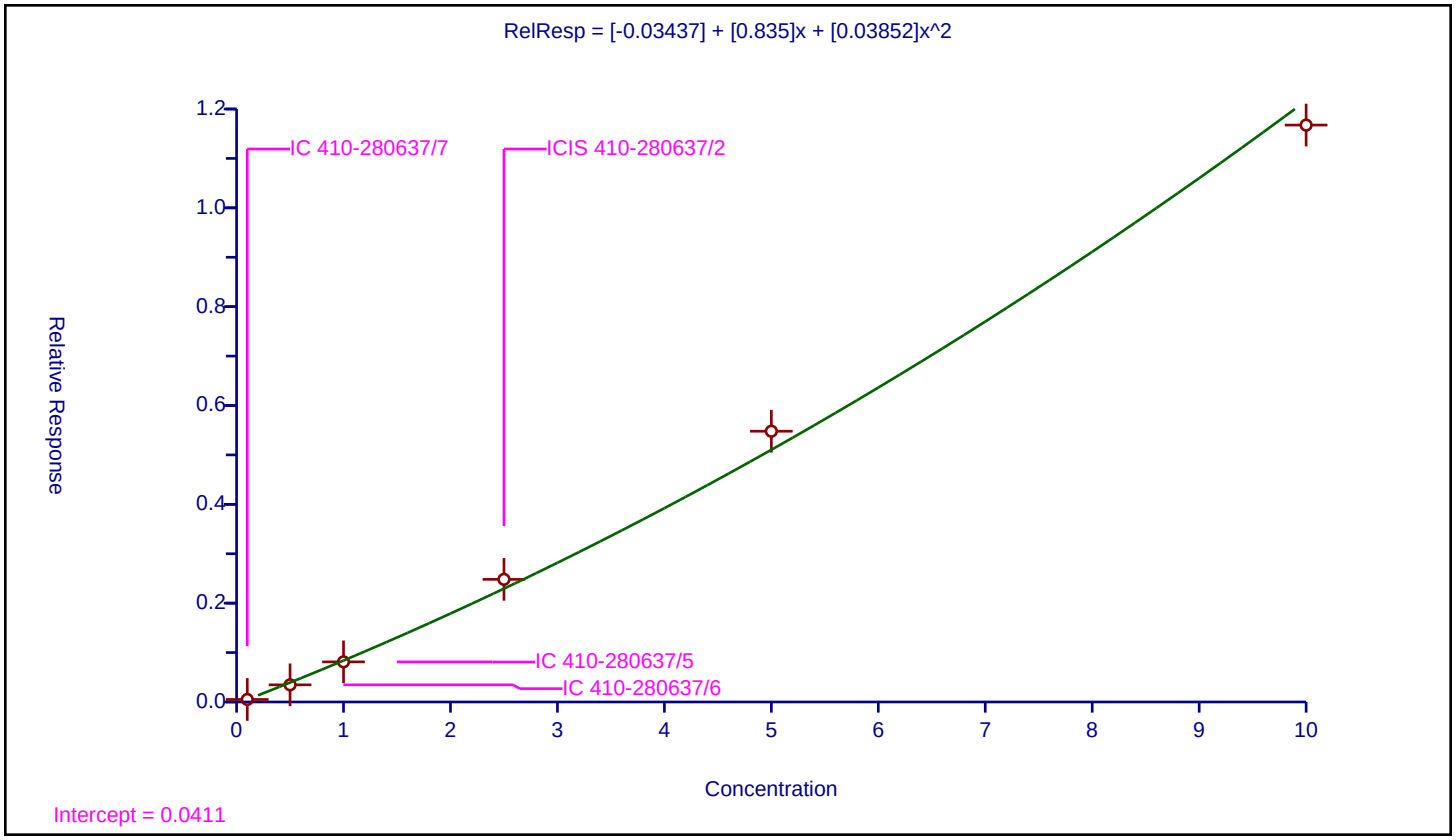
Curve Coefficients

Intercept:	-0.03437
Slope:	0.835
Second Order:	0.03852

Error Coefficients

Standard Error:	6740000
Relative Standard Error:	8.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.1	0.051197	0.25	154251.0	0.511974	Y
2	IC 410-280637/6	0.5	0.347357	0.25	169397.0	0.694714	Y
3	IC 410-280637/5	1.0	0.812154	0.25	181832.0	0.812154	Y
4	ICIS 410-280637/2	2.5	2.48143	0.25	183007.0	0.992572	Y
5	IC 410-280637/4	5.0	5.479542	0.25	219472.0	1.095908	Y
6	IC 410-280637/3	10.0	11.674854	0.25	224084.0	1.167485	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

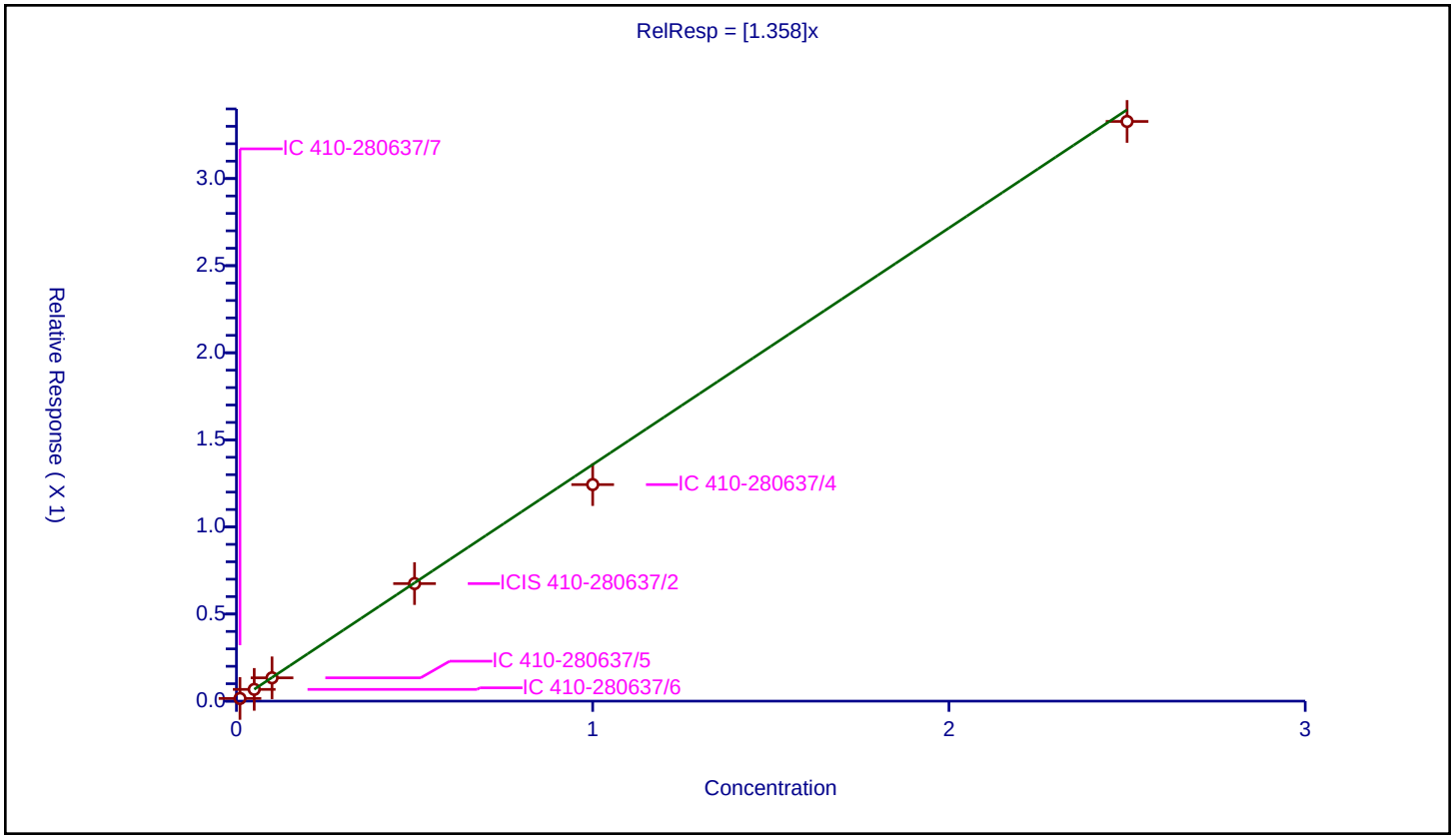
Curve Coefficients

Intercept:	0
Slope:	1.358

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	7.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.015361	0.25	154251.0	1.536133	Y
2	IC 410-280637/6	0.05	0.067452	0.25	169397.0	1.34905	Y
3	IC 410-280637/5	0.1	0.133931	0.25	181832.0	1.339313	Y
4	ICIS 410-280637/2	0.5	0.674899	0.25	183007.0	1.349798	Y
5	IC 410-280637/4	1.0	1.243149	0.25	219472.0	1.243149	Y
6	IC 410-280637/3	2.5	3.327921	0.25	224084.0	1.331168	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

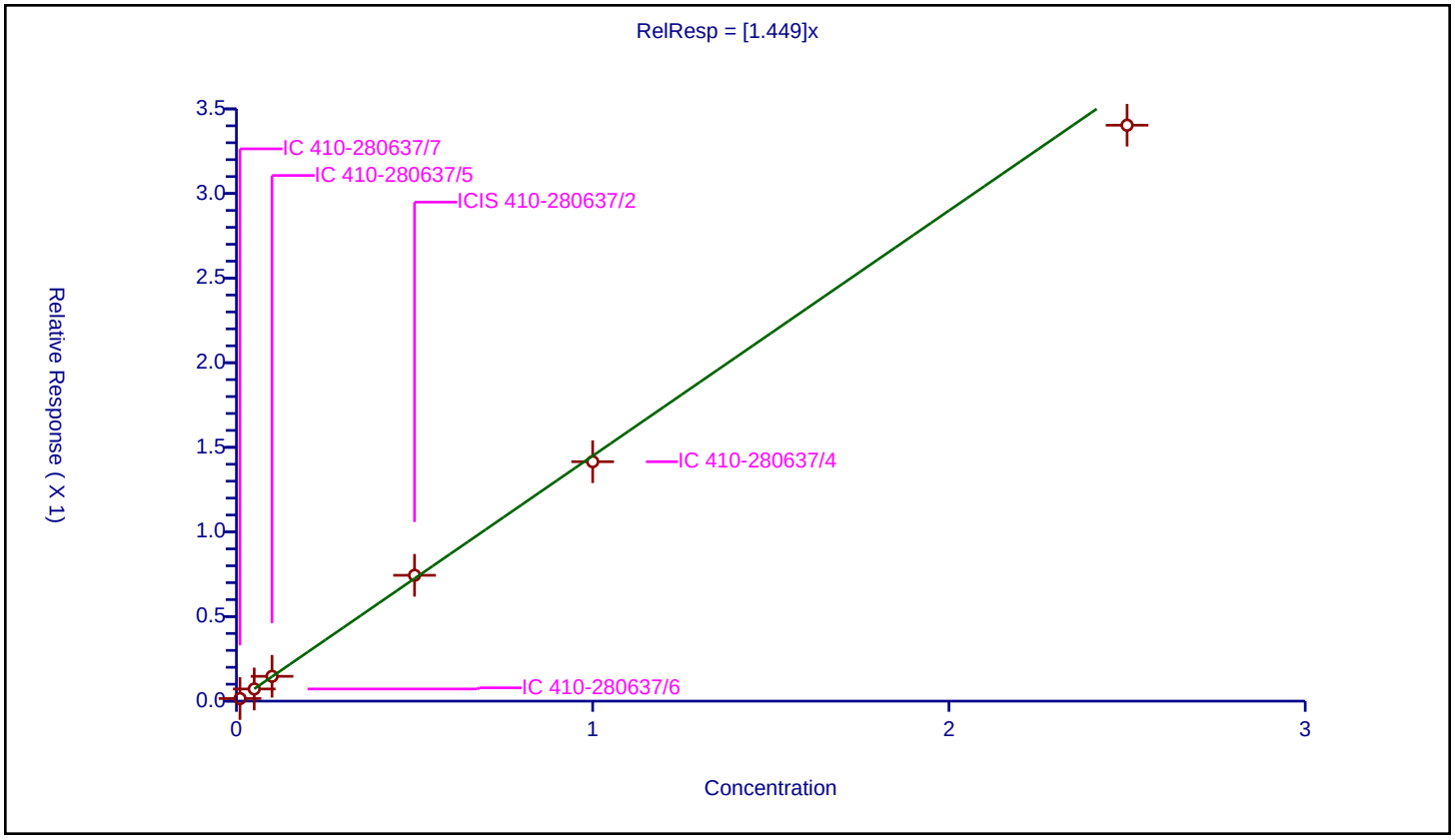
Curve Coefficients

Intercept:	0
Slope:	1.449

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.015267	0.25	154251.0	1.526732	Y
2	IC 410-280637/6	0.05	0.071877	0.25	169397.0	1.43754	Y
3	IC 410-280637/5	0.1	0.146788	0.25	181832.0	1.46788	Y
4	ICIS 410-280637/2	0.5	0.743862	0.25	183007.0	1.487725	Y
5	IC 410-280637/4	1.0	1.415144	0.25	219472.0	1.415144	Y
6	IC 410-280637/3	2.5	3.403633	0.25	224084.0	1.361453	Y



Calibration / Benzo[e]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

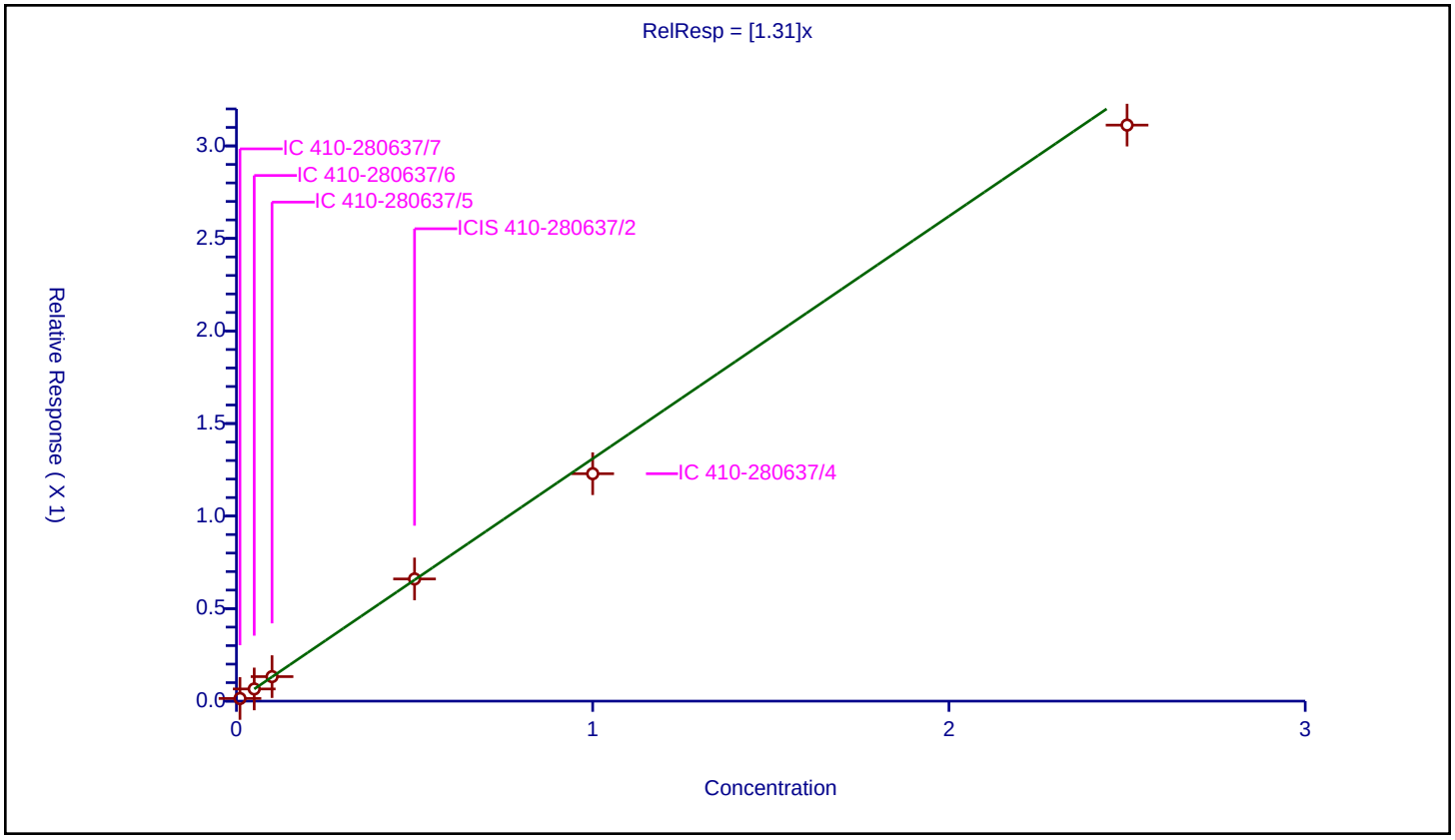
Curve Coefficients

Intercept:	0
Slope:	1.31

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.014246	0.25	154251.0	1.424626	Y
2	IC 410-280637/6	0.05	0.065854	0.25	169397.0	1.317084	Y
3	IC 410-280637/5	0.1	0.132433	0.25	181832.0	1.324327	Y
4	ICIS 410-280637/2	0.5	0.660193	0.25	183007.0	1.320387	Y
5	IC 410-280637/4	1.0	1.228872	0.25	219472.0	1.228872	Y
6	IC 410-280637/3	2.5	3.112554	0.25	224084.0	1.245022	Y



Calibration / Benzo(a)pyrene-d12 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

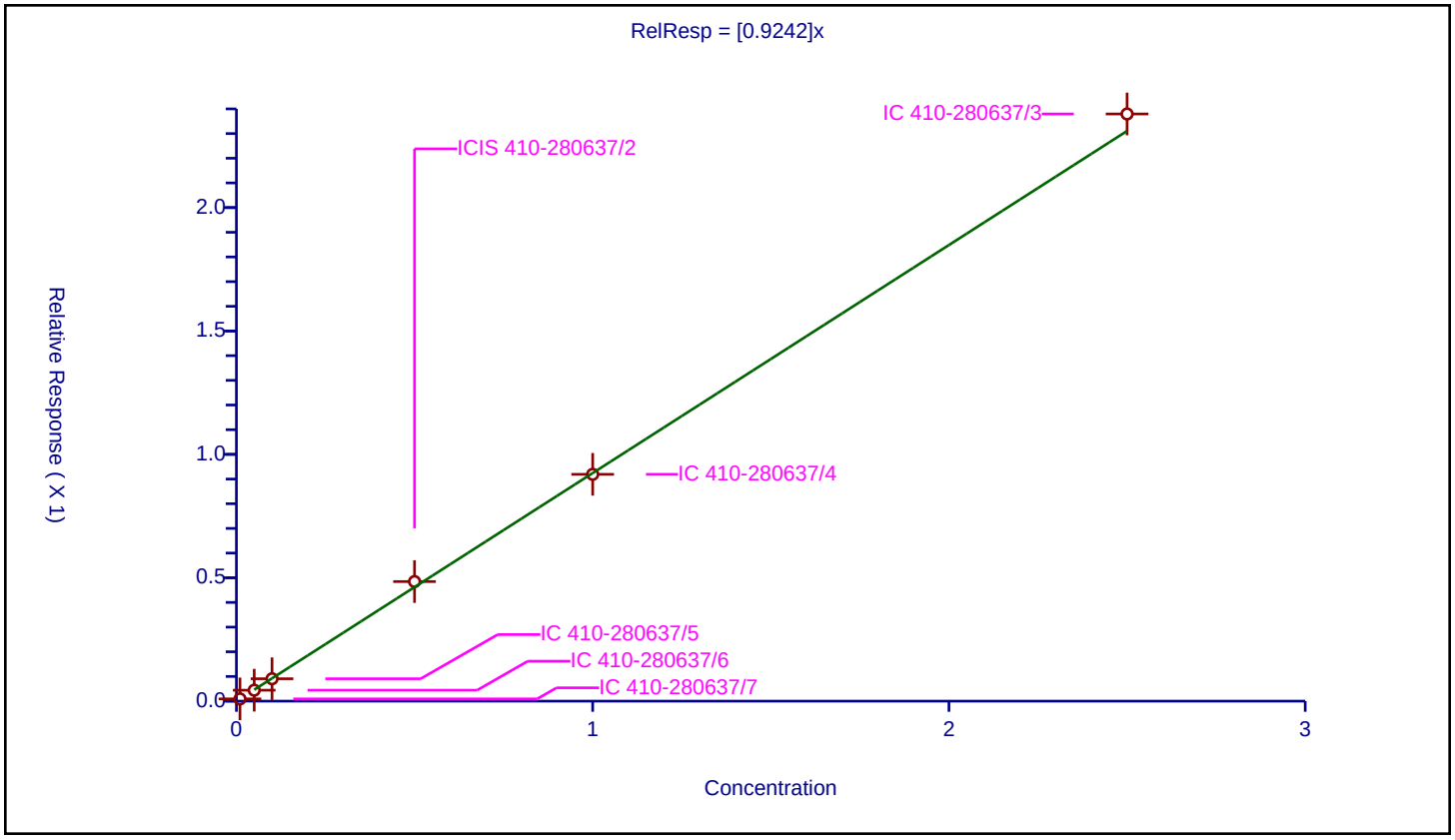
Curve Coefficients

Intercept:	0
Slope:	0.9242

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	3.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.009113	0.25	154251.0	0.911339	Y
2	IC 410-280637/6	0.05	0.044332	0.25	169397.0	0.886645	Y
3	IC 410-280637/5	0.1	0.090717	0.25	181832.0	0.90717	Y
4	ICIS 410-280637/2	0.5	0.484591	0.25	183007.0	0.969182	Y
5	IC 410-280637/4	1.0	0.919116	0.25	219472.0	0.919116	Y
6	IC 410-280637/3	2.5	2.379354	0.25	224084.0	0.951742	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

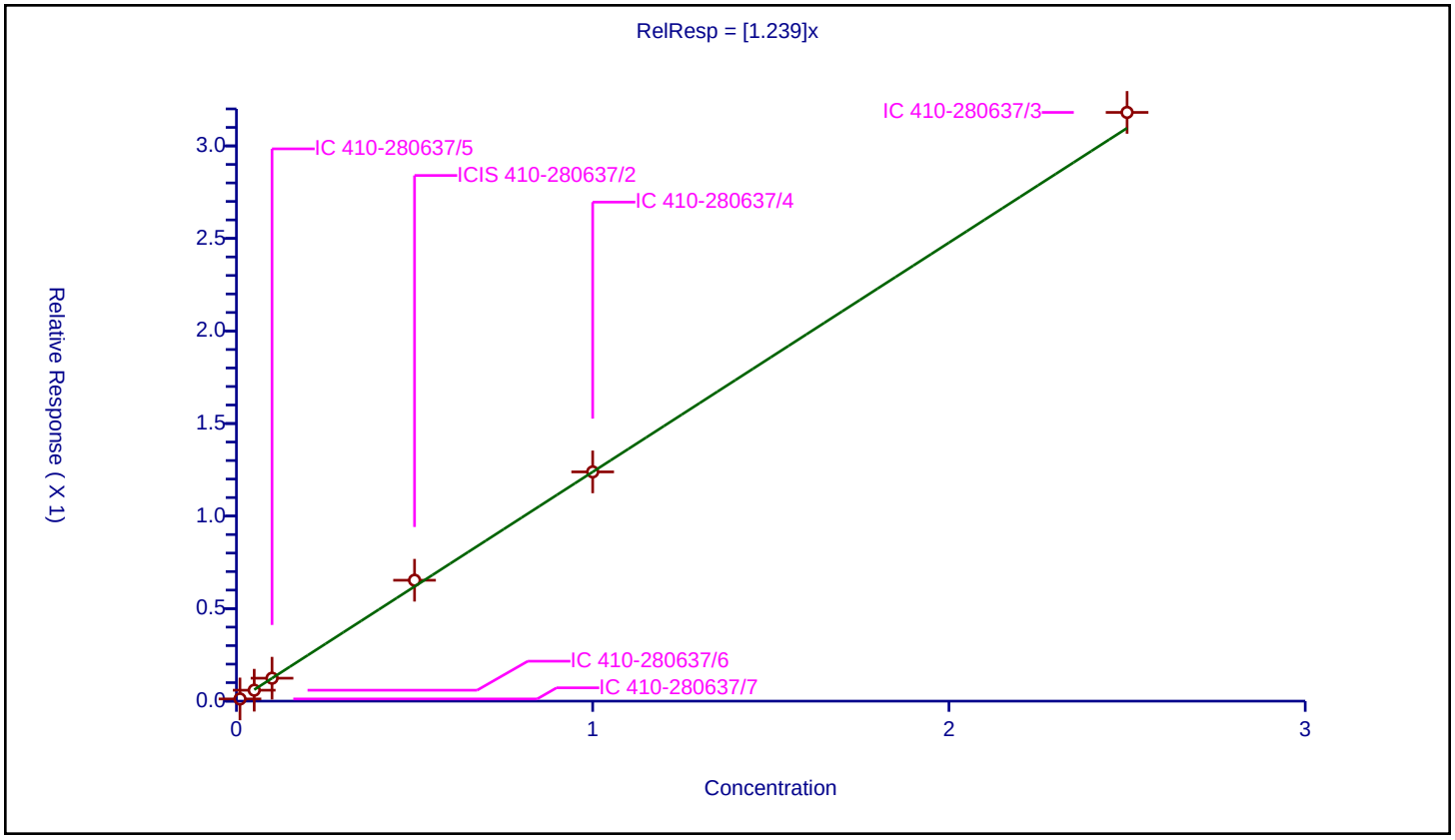
Curve Coefficients

Intercept:	0
Slope:	1.239

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.011933	0.25	154251.0	1.193347	Y
2	IC 410-280637/6	0.05	0.059018	0.25	169397.0	1.180363	Y
3	IC 410-280637/5	0.1	0.123999	0.25	181832.0	1.239991	Y
4	ICIS 410-280637/2	0.5	0.6533	0.25	183007.0	1.3066	Y
5	IC 410-280637/4	1.0	1.238724	0.25	219472.0	1.238724	Y
6	IC 410-280637/3	2.5	3.181012	0.25	224084.0	1.272405	Y



Calibration / Perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

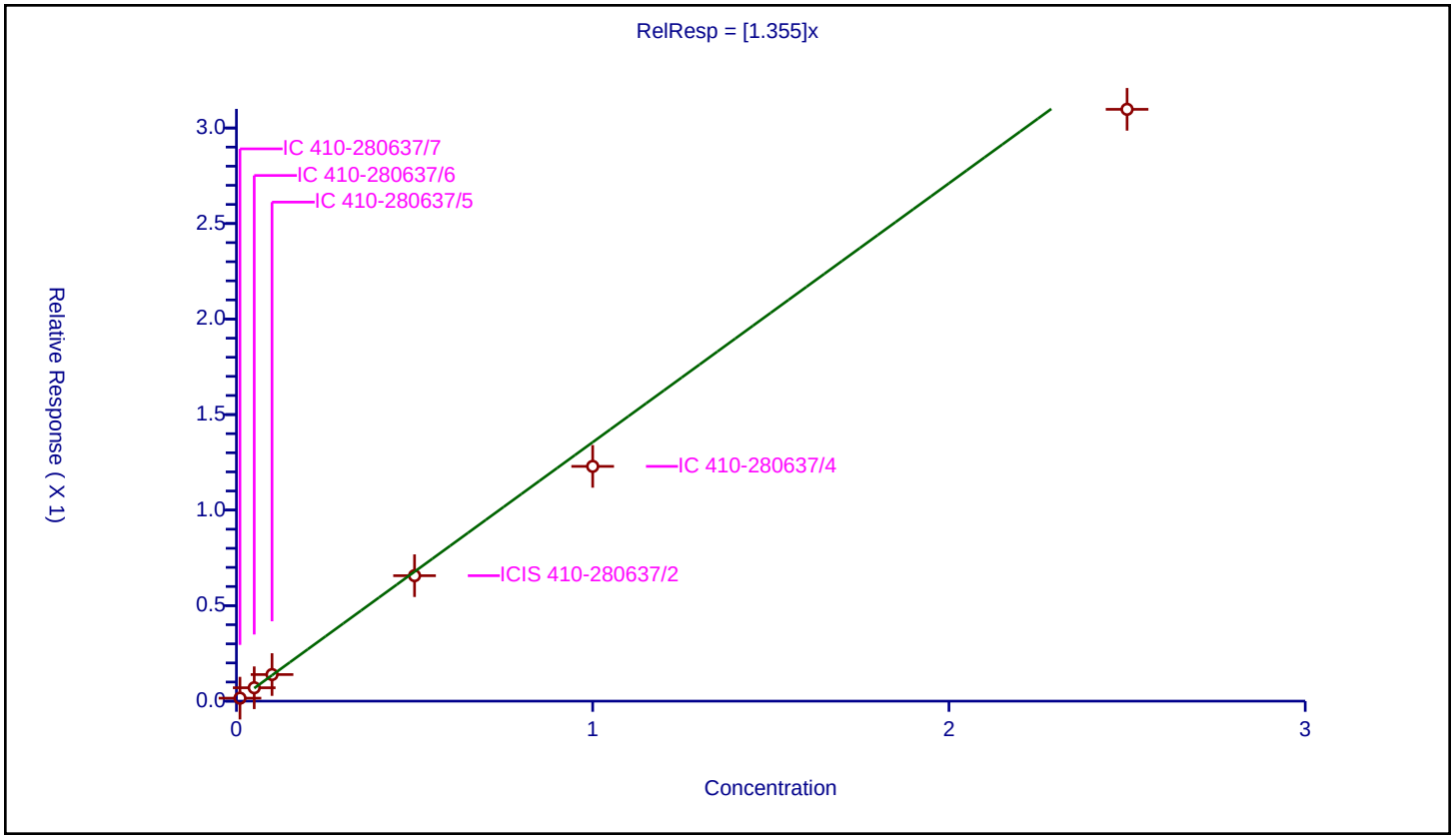
Curve Coefficients

Intercept:	0
Slope:	1.355

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	9.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.015566	0.25	154251.0	1.556554	Y
2	IC 410-280637/6	0.05	0.070106	0.25	169397.0	1.40212	Y
3	IC 410-280637/5	0.1	0.139159	0.25	181832.0	1.391587	Y
4	ICIS 410-280637/2	0.5	0.656689	0.25	183007.0	1.313379	Y
5	IC 410-280637/4	1.0	1.228893	0.25	219472.0	1.228893	Y
6	IC 410-280637/3	2.5	3.097829	0.25	224084.0	1.239132	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

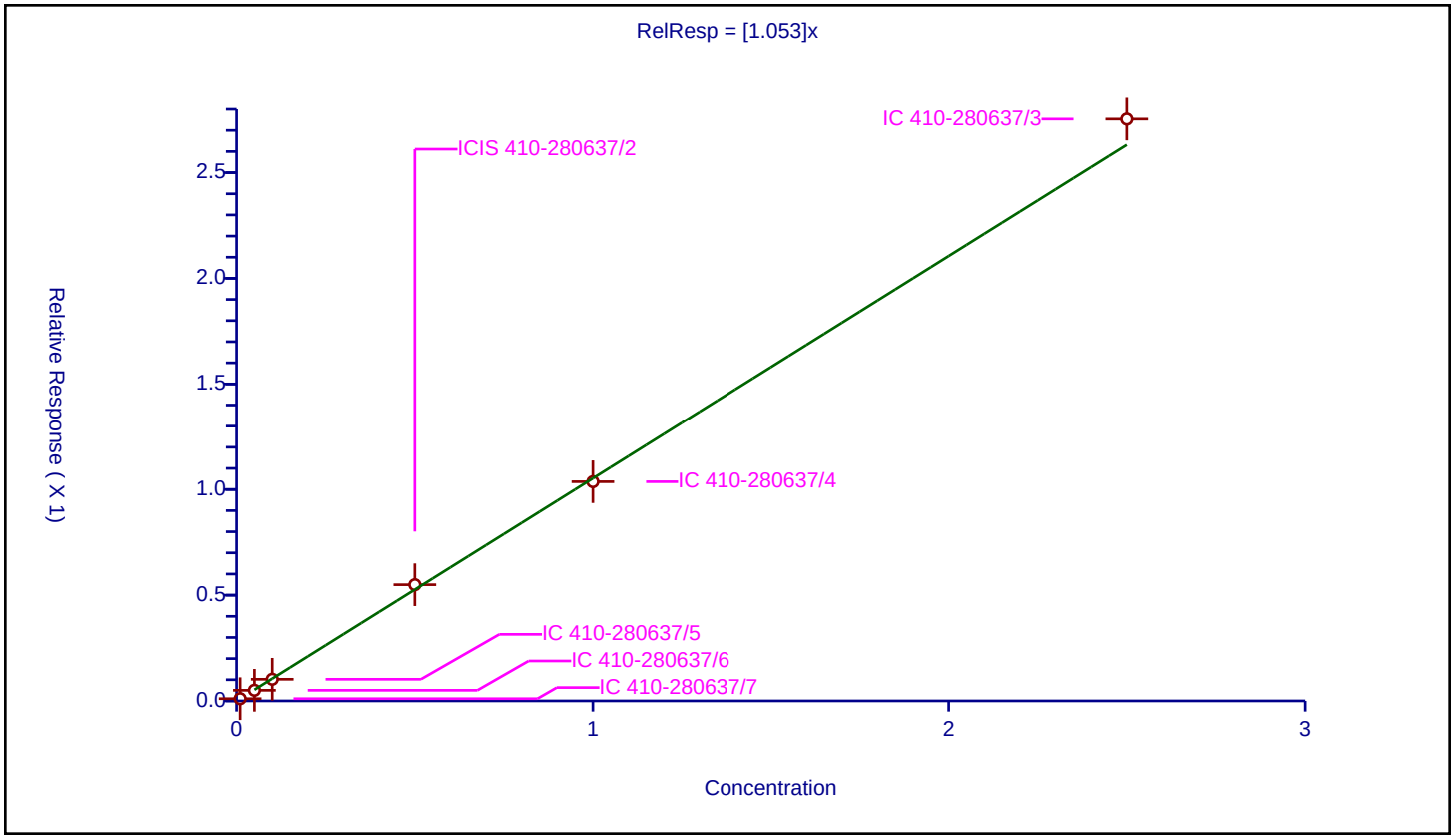
Curve Coefficients

Intercept:	0
Slope:	1.053

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	3.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.010517	0.25	154251.0	1.051695	Y
2	IC 410-280637/6	0.05	0.050196	0.25	169397.0	1.003914	Y
3	IC 410-280637/5	0.1	0.102353	0.25	181832.0	1.023527	Y
4	ICIS 410-280637/2	0.5	0.549415	0.25	183007.0	1.09883	Y
5	IC 410-280637/4	1.0	1.036941	0.25	219472.0	1.036941	Y
6	IC 410-280637/3	2.5	2.753678	0.25	224084.0	1.101471	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

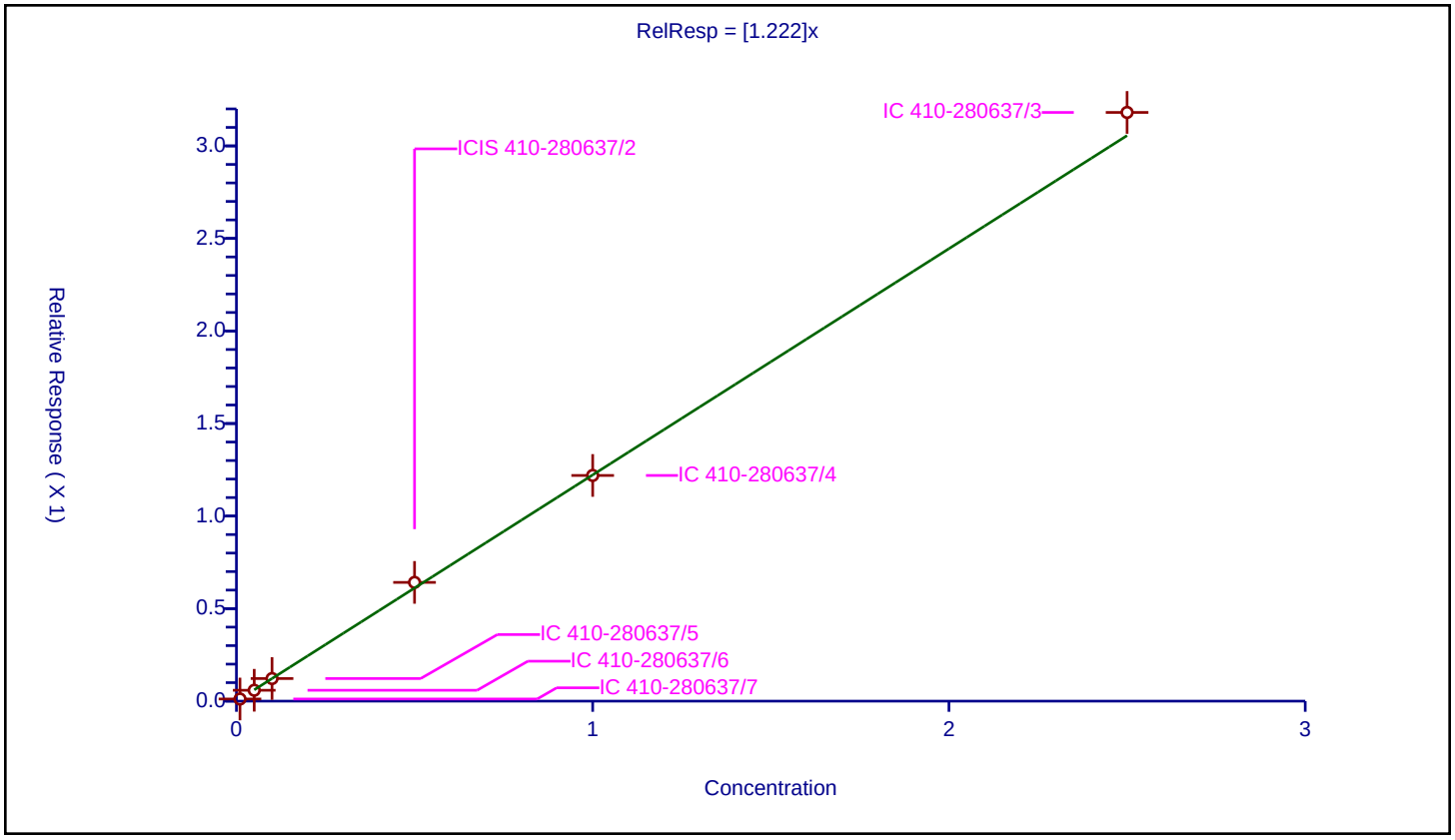
Curve Coefficients

Intercept:	0
Slope:	1.222

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.011634	0.25	154251.0	1.163364	Y
2	IC 410-280637/6	0.05	0.058767	0.25	169397.0	1.175345	Y
3	IC 410-280637/5	0.1	0.122036	0.25	181832.0	1.220357	Y
4	ICIS 410-280637/2	0.5	0.64165	0.25	183007.0	1.283301	Y
5	IC 410-280637/4	1.0	1.21943	0.25	219472.0	1.21943	Y
6	IC 410-280637/3	2.5	3.180879	0.25	224084.0	1.272351	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

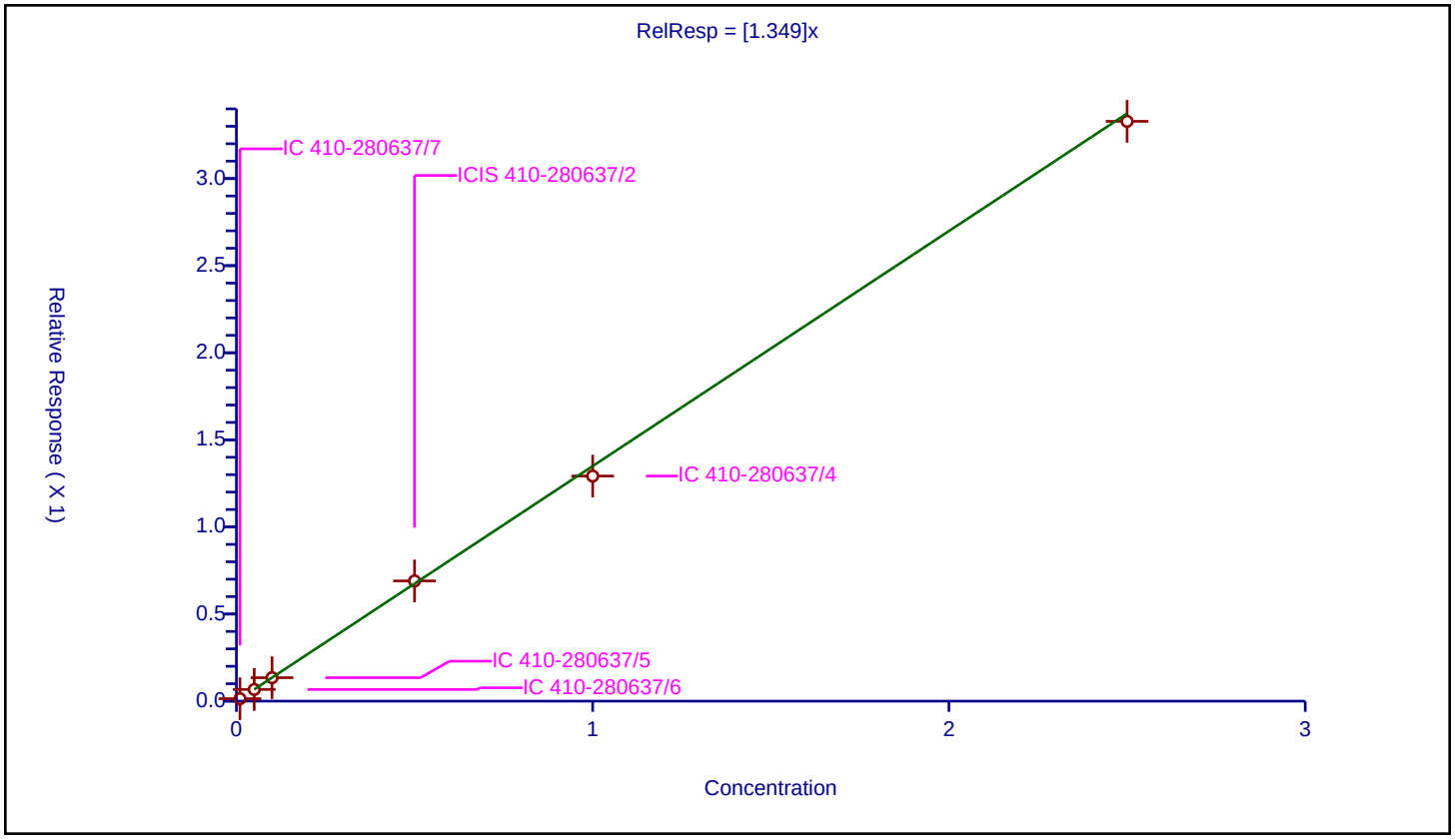
Curve Coefficients

Intercept:	0
Slope:	1.349

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-280637/7	0.01	0.014057	0.25	154251.0	1.405663	Y
2	IC 410-280637/6	0.05	0.066989	0.25	169397.0	1.339782	Y
3	IC 410-280637/5	0.1	0.134692	0.25	181832.0	1.346916	Y
4	ICIS 410-280637/2	0.5	0.690138	0.25	183007.0	1.380275	Y
5	IC 410-280637/4	1.0	1.292284	0.25	219472.0	1.292284	Y
6	IC 410-280637/3	2.5	3.328549	0.25	224084.0	1.331419	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-250058/7	ND1406.D
Level 2	IC 410-250058/6	ND1405.D
Level 3	IC 410-250058/5	ND1404.D
Level 4	ICIS 410-250058/2	ND1401.D
Level 5	IC 410-250058/4	ND1403.D
Level 6	IC 410-250058/3	ND1402.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.8012 0.6120	0.6932	0.6667	0.7460	0.6468	Ave		0.6943				10.0		20.4			
N-Nitrosodimethylamine	0.7028 0.7908	0.7056	0.7393	0.8959	0.7862	Ave		0.7701				9.4		20.4			
Bis(2-chloroethyl)ether	0.4082 0.4500	0.5049	0.4891	0.5585	0.4729	Ave		0.4806				10.6		20.4			
Naphthalene	1.2902 1.0942	1.3342	1.2534	1.3677	1.1741	Ave		1.2523				8.2		20.4			
Quinoline	0.6978 0.6507	0.7371	0.7163	0.7799	0.6823	Ave		0.7107				6.3		20.4			
2-Methylnaphthalene	0.7729 0.6625	0.7970	0.7570	0.8211	0.7022	Ave		0.7521				7.9		20.4			
1-Methylnaphthalene	0.6925 0.6037	0.7246	0.7006	0.7290	0.6487	Ave		0.6832				7.1		20.4			
Dimethylphthalate	1.2447 0.9683	1.1732	1.1317	1.1486	1.0587	Ave		1.1209				8.6		20.4			
Acenaphthylene	2.2567 2.1471	2.4486	2.3979	2.4188	2.1610	Ave		2.3050				5.8		20.4			
Acenaphthene	1.3578 1.3068	1.3871	1.3930	1.4827	1.3283	Ave		1.3760				4.5		20.4			
Dibenzofuran	2.0778 1.9273	2.2205	2.1916	2.2424	2.0328	Ave		2.1154				5.9		20.4			
Diethylphthalate	1.2619 1.0197	1.1917	1.1331	1.1343	1.0763	Ave		1.1362				7.5		20.4			
Fluorene	1.4646 1.4765	1.5410	1.5200	1.6273	1.5314	Ave		1.5268				3.8		20.4			
N-Nitrosodiphenylamine	0.5178 0.4758	0.5621	0.5573	0.6145	0.5131	Ave		0.5401				8.9		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobenzene	0.3142 0.2689	0.3036	0.3088	0.3201	0.2816	Ave		0.2995				6.7		20.4			
Phenanthrene	1.3219 1.2335	1.3502	1.3152	1.4262	1.2879	Ave		1.3225				4.9		20.4			
Anthracene	1.2089 1.1988	1.2480	1.2282	1.3520	1.2457	Ave		1.2469				4.4		20.4			
Di-n-butyl phthalate	0.8720 0.9103	0.9019	0.9055	1.0149	0.9561	Ave		0.9268				5.5		20.4			
Fluoranthene	1.2354 1.2000	1.2776	1.2755	1.3749	1.2225	Ave		1.2643				4.9		20.4			
Pyrene	2.0986 1.7732	2.1043	2.0142	2.1980	1.9209	Ave		2.0182				7.5		20.4			
Butylbenzylphthalate	0.4099 0.5667	0.4413	0.4869	0.6039	0.5989	Ave		0.5179				16.1		20.4			
Benzo[a]anthracene	1.3646 1.4506	1.3478	1.3780	1.6467	1.4737	Ave		1.4436				7.7		20.4			
Chrysene	1.5633 1.5476	1.6913	1.6468	1.7540	1.6552	Ave		1.6430				4.7		20.4			
Bis(2-ethylhexyl) phthalate	0.4989 0.7636	0.5523	0.6320	0.7855	0.7972	Ave		0.6716				19.2		20.4			
Di-n-octyl phthalate	0.8501 1.0799	0.8955	1.0226	1.2660	1.1929	Ave		1.0512				15.5		20.4			
Benzo[b]fluoranthene	1.1989 1.2287	1.2420	1.3130	1.4923	1.2909	Ave		1.2943				8.2		20.4			
Benzo[k]fluoranthene	1.5534 1.3634	1.7356	1.8039	1.9296	1.6292	Ave		1.6692				11.9		20.4			
Benzo[e]pyrene	1.3917 1.2226	1.4167	1.4872	1.5994	1.3721	Ave		1.4149				8.9		20.4			
Benzo[a]pyrene	1.2541 1.2402	1.3815	1.4233	1.5860	1.3651	Ave		1.3750				9.2		20.4			
Perylene	1.4862 1.2522	1.5163	1.6115	1.6569	1.4103	Ave		1.4889				9.8		20.4			
Indeno[1,2,3-cd]pyrene	0.8382 0.9496	0.8380	0.8780	1.0766	0.9630	Ave		0.9239				10.0		20.4			
Dibenz(a,h)anthracene	0.8981 1.0879	0.9353	1.0921	1.3354	1.1746	Ave		1.0872				14.7		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[g,h,i]perylene	1.1544 1.2201	1.2646	1.3480	1.5292	1.3432	Ave		1.3099				10.0		20.4			
1-Methylnaphthalene-d10 (Surr)	0.5645 0.4870	0.5730	0.5470	0.5807	0.5175	Ave		0.5450				6.6		20.4			
Fluoranthene-d10 (Surr)	0.9968 0.9459	1.0322	1.0318	1.0842	0.9827	Ave		1.0123				4.7		20.4			
Benzo(a)pyrene-d12 (Surr)	0.8368 0.8736	0.9275	0.9662	1.0949	0.9680	Ave		0.9445				9.5		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-250058/7	ND1406.D
Level 2	IC 410-250058/6	ND1405.D
Level 3	IC 410-250058/5	ND1404.D
Level 4	ICIS 410-250058/2	ND1401.D
Level 5	IC 410-250058/4	ND1403.D
Level 6	IC 410-250058/3	ND1402.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	2596 467247	11598	22165	112536	197311	0.0100 2.50	0.0500	0.100	0.500	1.00
N-Nitrosodimethylamine	DCBd 4	Ave	2277 603759	11805	24578	135145	239837	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-chloroethyl)ether	NPT	Ave	4307 1154539	27184	54033	275872	487037	0.0100 2.50	0.0500	0.100	0.500	1.00
Naphthalene	NPT	Ave	13615 2807052	71834	138467	675631	1209249	0.0100 2.50	0.0500	0.100	0.500	1.00
Quinoline	NPT	Ave	7363 1669204	39689	79132	385267	702759	0.0100 2.50	0.0500	0.100	0.500	1.00
2-Methylnaphthalene	NPT	Ave	8156 1699691	42912	83629	405592	723216	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene	NPT	Ave	7307 1548784	39012	77400	360116	668095	0.0100 2.50	0.0500	0.100	0.500	1.00
Dimethylphthalate	ANT	Ave	150269 4226213	286965	558189	1304036	2399602	0.250 10.0	0.500	1.00	2.50	5.00
Acenaphthylene	ANT	Ave	10898 2342668	59891	118276	549209	979568	0.0100 2.50	0.0500	0.100	0.500	1.00
Acenaphthene	ANT	Ave	6557 1425856	33927	68709	336671	602123	0.0100 2.50	0.0500	0.100	0.500	1.00
Dibenzofuran	ANT	Ave	10034 2102902	54310	108101	509157	921438	0.0100 2.50	0.0500	0.100	0.500	1.00
Diethylphthalate	ANT	Ave	152343 4450224	291473	558880	1287829	2439489	0.250 10.0	0.500	1.00	2.50	5.00
Fluorene	ANT	Ave	7073	37691	74972	369497	694170	0.0100	0.0500	0.100	0.500	1.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
			1610950					2.50				
N-Nitrosodiphenylamine	PHN	Ave	4015 857938	22394	45104	220617	373833	0.0100 2.50	0.0500	0.100	0.500	1.00
Hexachlorobenzene	PHN	Ave	2436 484934	12094	24995	114901	205148	0.0100 2.50	0.0500	0.100	0.500	1.00
Phenanthrene	PHN	Ave	10250 2224209	53793	106442	511995	938338	0.0100 2.50	0.0500	0.100	0.500	1.00
Anthracene	PHN	Ave	9374 2161687	49720	99400	485366	907594	0.0100 2.50	0.0500	0.100	0.500	1.00
Di-n-butyl phthalate	PHN	Ave	169026 6565565	359305	732840	1821681	3483118	0.250 10.0	0.500	1.00	2.50	5.00
Fluoranthene	PHN	Ave	9579 2163748	50900	103224	493603	890712	0.0100 2.50	0.0500	0.100	0.500	1.00
Pyrene	CRY	Ave	10149 2242583	54315	105490	535577	940635	0.0100 2.50	0.0500	0.100	0.500	1.00
Butylbenzylphthalate	CRY	Ave	49560 2866869	113905	254980	735781	1466213	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[a]anthracene	CRY	Ave	6599 1834512	34790	72172	401235	721642	0.0100 2.50	0.0500	0.100	0.500	1.00
Chrysene	CRY	Ave	7560 1957254	43656	86250	427391	810497	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	60319 3863131	142548	331021	956950	1951961	0.250 10.0	0.500	1.00	2.50	5.00
Di-n-octyl phthalate	PRY	Ave	89732 6452179	205647	492530	1553443	3201758	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[b]fluoranthene	PRY	Ave	5062 1835312	28522	63241	366210	692921	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[k]fluoranthene	PRY	Ave	6559 2036413	39856	86886	473534	874512	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[e]pyrene	PRY	Ave	5876 1826108	32534	71632	392505	736502	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[a]pyrene	PRY	Ave	5295 1852479	31726	68552	389209	732761	0.0100 2.50	0.0500	0.100	0.500	1.00
Perylene	PRY	Ave	6275 1870363	34820	77618	406601	757021	0.0100 2.50	0.0500	0.100	0.500	1.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	3539	19244	42287	264192	516944	0.0100	0.0500	0.100	0.500	1.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-94417-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
			1418447					2.50				
Dibenz(a,h)anthracene	PRY	Ave	3792 1624951	21478	52603	327702	630501	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[g,h,i]perylene	PRY	Ave	4874 1822501	29040	64929	375272	720990	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene-d10 (Surr)	NPT	Ave	5957 1249398	30850	60431	286852	533020	0.0100 2.50	0.0500	0.100	0.500	1.00
Fluoranthene-d10 (Surr)	PHN	Ave	7729 1705697	41124	83507	389236	716009	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo(a)pyrene-d12 (Surr)	PRY	Ave	3533 1304845	21299	46536	268698	519617	0.0100 2.50	0.0500	0.100	0.500	1.00

Curve Type Legend
Ave = Average ISTD

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1401.D
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 29-Apr-2022 14:59:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS
Misc. Info.: 410-0056077-002
Operator ID: jmg00346 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:09 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 15:29:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.716	1.716	0.000	95	112536	0.5000	0.5372	
2 N-Nitrosodimethylamine	74	2.018	2.018	0.000	87	135145	0.5000	0.5817	
3 Bis(2-chloroethyl)ether	93	4.244	4.244	0.000	95	275872	0.5000	0.5810	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	99	75428	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	246992	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	675631	0.5000	0.5461	
7 Quinoline	129	6.031	6.031	0.000	92	385267	0.5000	0.5487	
8 2-Methylnaphthalene	142	6.369	6.369	0.000	96	405592	0.5000	0.5458	
$ 9 1-Methylnaphthalene-d10	152	6.429	6.429	0.000	99	286852	0.5000	0.5328	
10 1-Methylnaphthalene	142	6.469	6.469	0.000	96	360116	0.5000	0.5335	
11 Dimethyl phthalate	163	7.110	7.110	0.000	100	1304036	2.50	2.56	
12 Acenaphthylene	152	7.230	7.230	0.000	97	549209	0.5000	0.5247	
* 13 Acenaphthene-d10	164	7.361	7.361	0.000	90	113531	0.2500	0.2500	
14 Acenaphthene	154	7.391	7.391	0.000	96	336671	0.5000	0.5388	
15 Dibenzofuran	168	7.561	7.561	0.000	68	509157	0.5000	0.5300	
16 Diethyl phthalate	149	7.777	7.777	0.000	99	1287829	2.50	2.50	
17 Fluorene	166	7.877	7.877	0.000	98	369497	0.5000	0.5329	
18 N-Nitrosodiphenylamine	169	8.001	8.001	0.000	95	220617	0.5000	0.5689	
19 Hexachlorobenzene	284	8.402	8.402	0.000	88	114901	0.5000	0.5343	
* 20 Phenanthrene-d10	188	8.773	8.773	0.000	100	179500	0.2500	0.2500	
21 Phenanthrene	178	8.796	8.796	0.000	100	511995	0.5000	0.5392	
22 Anthracene	178	8.843	8.843	0.000	100	485366	0.5000	0.5421	
23 Di-n-butyl phthalate	149	9.343	9.343	0.000	100	1821681	2.50	2.74	
$ 24 Fluoranthene-d10 (Surr)	212	9.908	9.908	0.000	98	389236	0.5000	0.5355	
25 Fluoranthene	202	9.926	9.926	0.000	97	493603	0.5000	0.5437	
26 Pyrene	202	10.139	10.139	0.000	96	535577	0.5000	0.5445	
27 Butyl benzyl phthalate	149	10.815	10.815	0.000	100	735781	2.50	2.92	
28 Benzo[a]anthracene	228	11.414	11.414	0.000	99	401235	0.5000	0.5703	
* 29 Chrysene-d12	240	11.429	11.429	0.000	94	121833	0.2500	0.2500	
30 Chrysene	228	11.460	11.460	0.000	100	427391	0.5000	0.5338	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.490	11.490	0.000	99	956950	2.50	2.92	
32 Di-n-octyl phthalate	149	12.365	12.365	0.000	100	1553443	2.50	3.01	
33 Benzo[b]fluoranthene	252	12.833	12.833	0.000	100	366210	0.5000	0.5765	
34 Benzo[k]fluoranthene	252	12.871	12.871	0.000	100	473534	0.5000	0.5780	
35 Benzo[e]pyrene	252	13.216	13.216	0.000	100	392505	0.5000	0.5652	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.262	13.262	0.000	98	268698	0.5000	0.5796	
37 Benzo[a]pyrene	252	13.293	13.293	0.000	100	389209	0.5000	0.5767	
* 38 Perylene-d12	264	13.377	13.377	0.000	97	122702	0.2500	0.2500	
39 Perylene	252	13.415	13.415	0.000	100	406601	0.5000	0.5564	
40 Indeno[1,2,3-cd]pyrene	276	14.995	14.995	0.000	97	264192	0.5000	0.5826	
41 Dibenz(a,h)anthracene	278	15.044	15.044	0.000	98	327702	0.5000	0.6141	
42 Benzo[g,h,i]perylene	276	15.447	15.447	0.000	100	375272	0.5000	0.5837	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_4_00019 Amount Added: 1.00 Units: mL

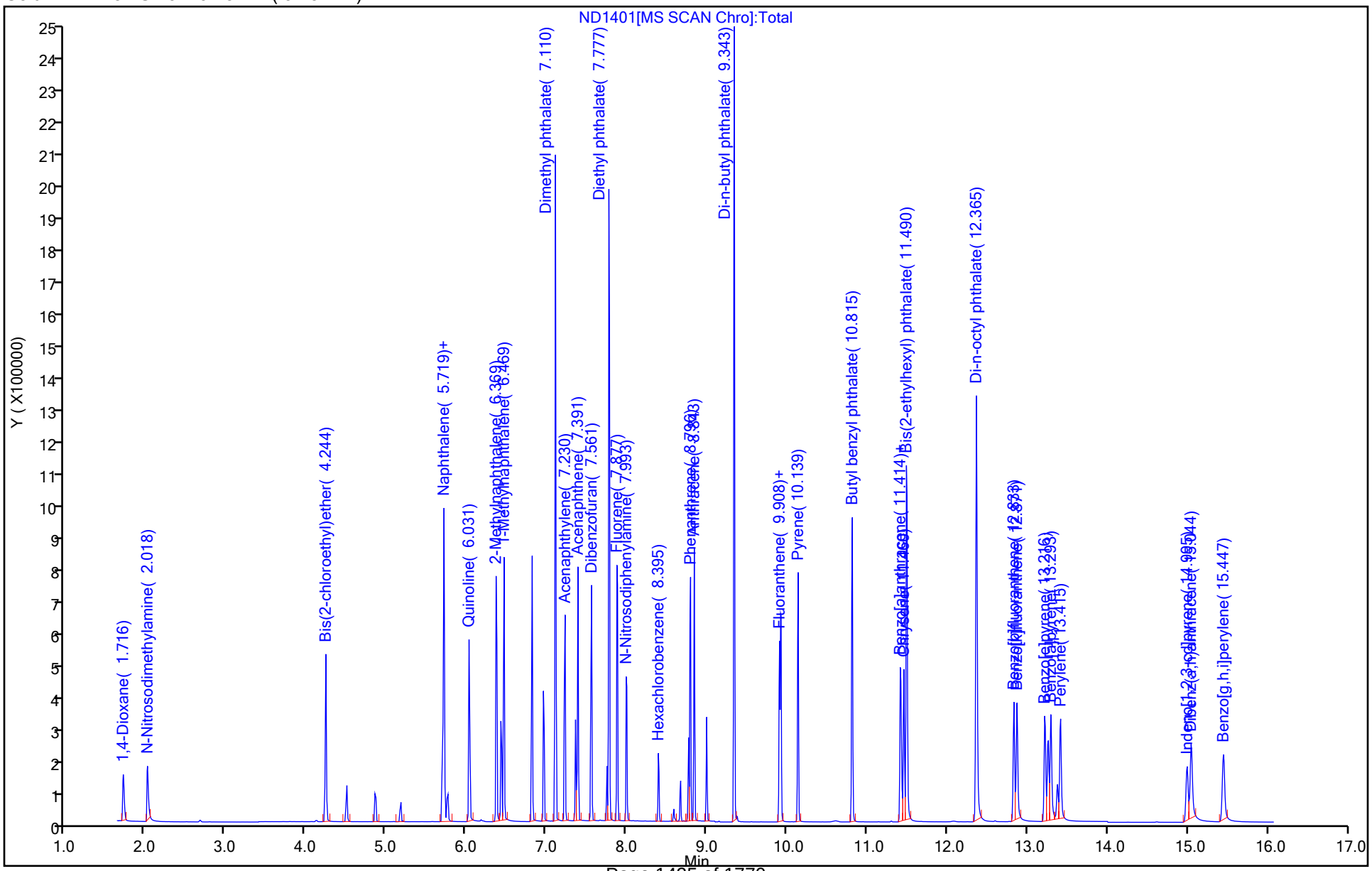
Report Date: 29-Apr-2022 18:27:09 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1401.D

Injection Date:	29-Apr-2022 14:59:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	ICIS L4			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1402.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 29-Apr-2022 15:37:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6
Misc. Info.: 410-0056077-003
Operator ID: whs02991 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:12 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 17:26:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.711	1.716	-0.005	96	467247	2.50	2.20	
2 N-Nitrosodimethylamine	74	2.009	2.018	-0.009	87	603759	2.50	2.57	
3 Bis(2-chloroethyl)ether	93	4.244	4.244	0.000	95	1154539	2.50	2.34	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	100	76345	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	93	256538	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	2807052	2.50	2.18	
7 Quinoline	129	6.031	6.031	0.000	91	1669204	2.50	2.29	
8 2-Methylnaphthalene	142	6.379	6.369	0.010	95	1699691	2.50	2.20	
$ 9 1-Methylnaphthalene-d10	152	6.439	6.429	0.010	98	1249398	2.50	2.23	
10 1-Methylnaphthalene	142	6.469	6.469	0.000	97	1548784	2.50	2.21	
11 Dimethyl phthalate	163	7.110	7.110	0.000	98	4226213	10.0	8.64	
12 Acenaphthylene	152	7.230	7.230	0.000	95	2342668	2.50	2.33	
* 13 Acenaphthene-d10	164	7.361	7.361	-0.001	87	109109	0.2500	0.2500	
14 Acenaphthene	154	7.391	7.391	0.000	99	1425856	2.50	2.37	
15 Dibenzofuran	168	7.561	7.561	0.000	70	2102902	2.50	2.28	
16 Diethyl phthalate	149	7.785	7.777	0.008	96	4450224	10.0	8.97	
17 Fluorene	166	7.885	7.877	0.008	98	1610950	2.50	2.42	
18 N-Nitrosodiphenylamine	169	8.001	8.001	0.000	95	857938	2.50	2.20	
19 Hexachlorobenzene	284	8.402	8.402	0.000	90	484934	2.50	2.24	
* 20 Phenanthrene-d10	188	8.773	8.773	0.000	100	180318	0.2500	0.2500	
21 Phenanthrene	178	8.796	8.796	0.000	100	2224209	2.50	2.33	
22 Anthracene	178	8.842	8.843	-0.001	99	2161687	2.50	2.40	
23 Di-n-butyl phthalate	149	9.343	9.343	0.000	100	6565565	10.0	9.82	
$ 24 Fluoranthene-d10 (Surr)	212	9.907	9.908	-0.001	99	1705697	2.50	2.34	
25 Fluoranthene	202	9.926	9.926	0.000	98	2163748	2.50	2.37	
26 Pyrene	202	10.139	10.139	0.000	97	2242583	2.50	2.20	
27 Butyl benzyl phthalate	149	10.815	10.815	0.000	100	2866869	10.0	10.9	
28 Benzo[a]anthracene	228	11.414	11.414	0.000	81	1834512	2.50	2.51	
* 29 Chrysene-d12	240	11.429	11.429	0.000	35	126470	0.2500	0.2500	
30 Chrysene	228	11.460	11.460	0.000	100	1957254	2.50	2.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.490	11.490	0.000	99	3863131	10.0	11.4	
32 Di-n-octyl phthalate	149	12.365	12.365	0.000	100	6452179	10.0	10.3	
33 Benzo[b]fluoranthene	252	12.832	12.833	-0.001	99	1835312	2.50	2.37	
34 Benzo[k]fluoranthene	252	12.871	12.871	0.000	99	2036413	2.50	2.04	
35 Benzo[e]pyrene	252	13.224	13.216	0.008	99	1826108	2.50	2.16	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.262	13.262	0.000	99	1304845	2.50	2.31	
37 Benzo[a]pyrene	252	13.300	13.293	0.007	99	1852479	2.50	2.25	
* 38 Perylene-d12	264	13.377	13.377	0.000	99	149367	0.2500	0.2500	
39 Perylene	252	13.415	13.415	0.000	99	1870363	2.50	2.10	
40 Indeno[1,2,3-cd]pyrene	276	14.995	14.995	0.000	98	1418447	2.50	2.57	
41 Dibenz(a,h)anthracene	278	15.051	15.044	0.007	98	1624951	2.50	2.50	
42 Benzo[g,h,i]perylene	276	15.454	15.447	0.007	100	1822501	2.50	2.33	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_6_00014 Amount Added: 1.00 Units: mL

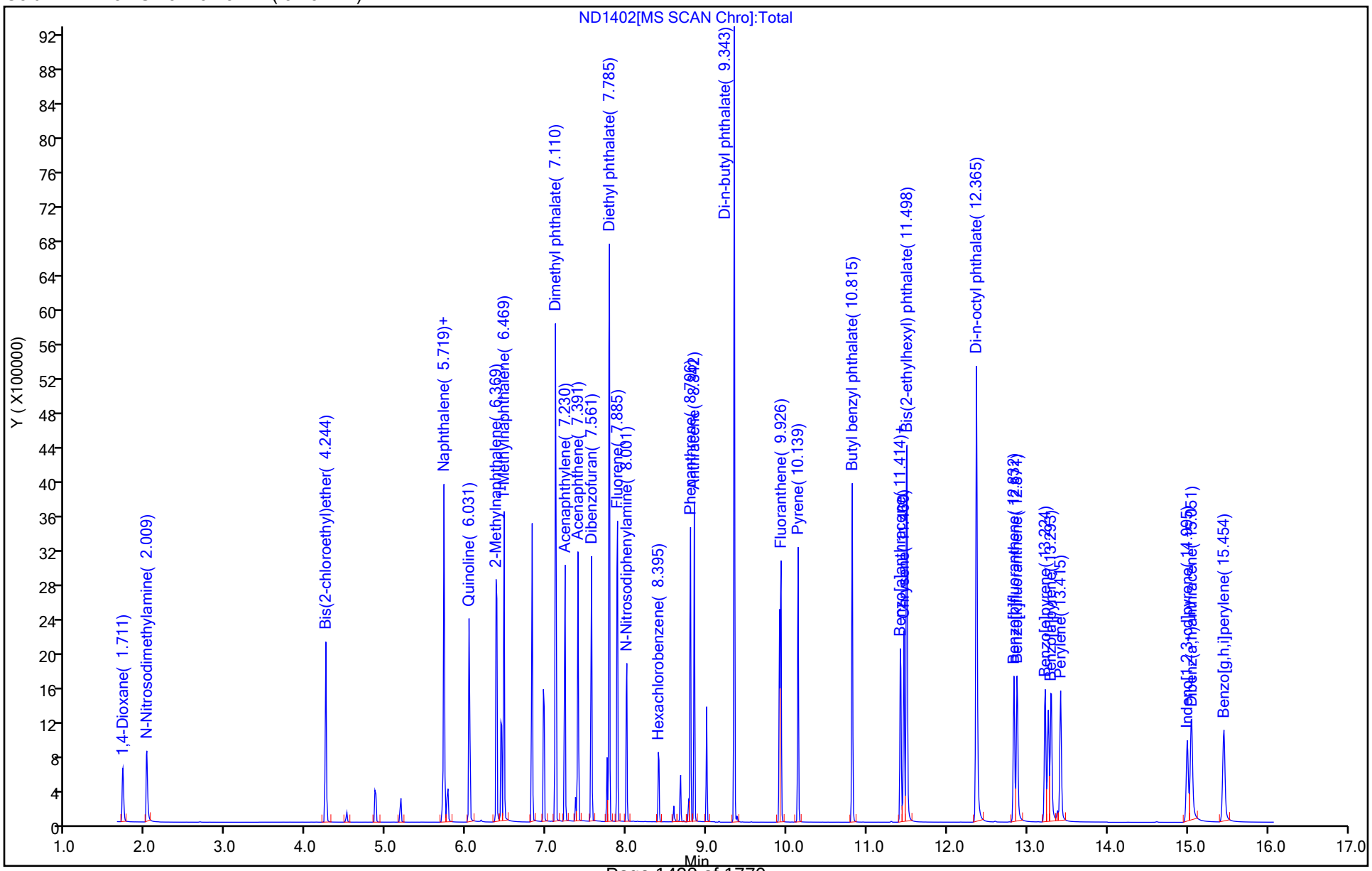
Report Date: 29-Apr-2022 18:27:12 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1402.D

Injection Date:	29-Apr-2022 15:37:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	IC L6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Report Date: 29-Apr-2022 18:27:15 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1403.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 29-Apr-2022 15:59:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0056077-004
Operator ID: whs02991 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:14 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 17:27:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.716	1.716	0.000	95	197311	1.00	0.9315	
2 N-Nitrosodimethylamine	74	2.018	2.018	0.000	87	239837	1.00	1.02	
3 Bis(2-chloroethyl)ether	93	4.244	4.244	0.000	96	487037	1.00	0.9839	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	100	76269	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	257491	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	1209249	1.00	0.9375	
7 Quinoline	129	6.031	6.031	0.000	91	702759	1.00	0.9601	
8 2-Methylnaphthalene	142	6.369	6.369	0.000	96	723216	1.00	0.9336	
$ 9 1-Methylnaphthalene-d10	152	6.429	6.429	0.000	98	533020	1.00	0.9496	
10 1-Methylnaphthalene	142	6.469	6.469	0.000	97	668095	1.00	0.9495	
11 Dimethyl phthalate	163	7.110	7.110	0.000	100	2399602	5.00	4.72	
12 Acenaphthylene	152	7.230	7.230	0.000	94	979568	1.00	0.9375	
* 13 Acenaphthene-d10	164	7.360	7.361	-0.001	89	113324	0.2500	0.2500	
14 Acenaphthene	154	7.391	7.391	-0.001	98	602123	1.00	0.9654	
15 Dibenzofuran	168	7.561	7.561	0.000	68	921438	1.00	0.9609	
16 Diethyl phthalate	149	7.777	7.777	0.000	99	2439489	5.00	4.74	
17 Fluorene	166	7.877	7.877	0.000	98	694170	1.00	1.00	
18 N-Nitrosodiphenylamine	169	8.001	8.001	0.000	95	373833	1.00	0.9500	
19 Hexachlorobenzene	284	8.402	8.402	0.000	87	205148	1.00	0.9401	
* 20 Phenanthrene-d10	188	8.773	8.773	0.000	100	182146	0.2500	0.2500	
21 Phenanthrene	178	8.796	8.796	0.000	100	938338	1.00	0.9738	
22 Anthracene	178	8.842	8.843	-0.001	100	907594	1.00	1.00	
23 Di-n-butyl phthalate	149	9.343	9.343	0.000	100	3483118	5.00	5.16	
$ 24 Fluoranthene-d10 (Surr)	212	9.907	9.908	-0.001	98	716009	1.00	0.9708	
25 Fluoranthene	202	9.920	9.926	-0.006	100	890712	1.00	0.9669	
26 Pyrene	202	10.139	10.139	0.000	96	940635	1.00	0.9518	
27 Butyl benzyl phthalate	149	10.815	10.815	0.000	100	1466213	5.00	5.78	
28 Benzo[a]anthracene	228	11.414	11.414	0.000	98	721642	1.00	1.02	
* 29 Chrysene-d12	240	11.429	11.429	0.000	81	122419	0.2500	0.2500	
30 Chrysene	228	11.460	11.460	0.000	100	810497	1.00	1.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.490	11.490	0.000	99	1951961	5.00	5.94	
32 Di-n-octyl phthalate	149	12.365	12.365	0.000	100	3201758	5.00	5.67	
33 Benzo[b]fluoranthene	252	12.825	12.833	-0.008	100	692921	1.00	1.00	
34 Benzo[k]fluoranthene	252	12.871	12.871	0.000	100	874512	1.00	0.9760	
35 Benzo[e]pyrene	252	13.216	13.216	0.000	100	736502	1.00	0.9697	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.262	13.262	0.000	97	519617	1.00	1.02	
37 Benzo[a]pyrene	252	13.293	13.293	0.000	100	732761	1.00	0.99	
* 38 Perylene-d12	264	13.377	13.377	0.000	96	134197	0.2500	0.2500	
39 Perylene	252	13.408	13.415	-0.007	100	757021	1.00	0.9472	
40 Indeno[1,2,3-cd]pyrene	276	14.988	14.995	-0.007	98	516944	1.00	1.04	
41 Dibenz(a,h)anthracene	278	15.044	15.044	0.000	98	630501	1.00	1.08	
42 Benzo[g,h,i]perylene	276	15.447	15.447	0.000	99	720990	1.00	1.03	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_5_00016 Amount Added: 1.00 Units: mL

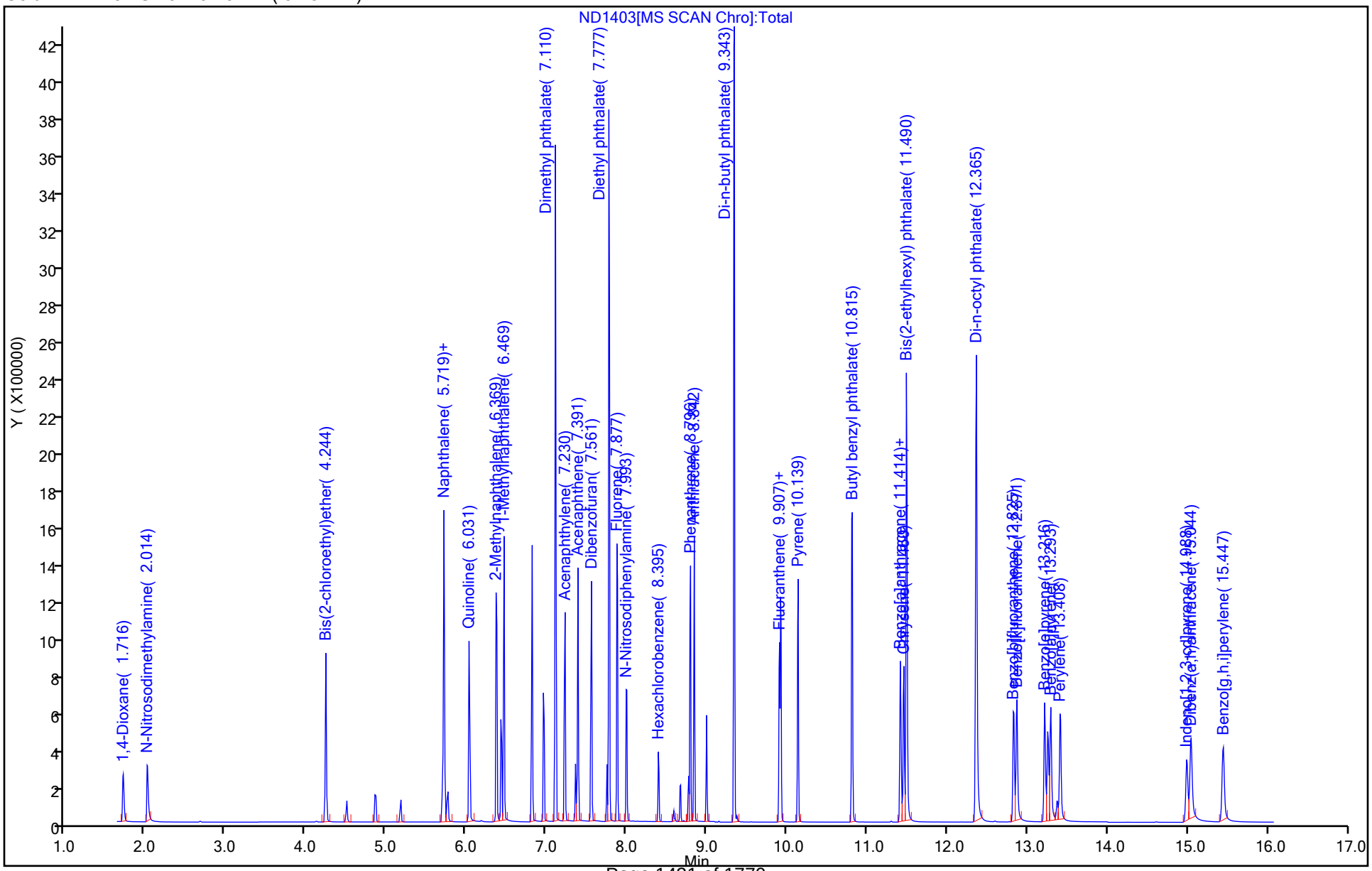
Report Date: 29-Apr-2022 18:27:15 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1403.D

Injection Date:	29-Apr-2022 15:59:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	IC L5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Report Date: 29-Apr-2022 18:27:18 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1404.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 29-Apr-2022 16:20:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0056077-005
Operator ID: whs02991 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:17 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 17:28:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.729	1.716	0.013	97	22165	0.1000	0.0960	
2 N-Nitrosodimethylamine	74	2.035	2.018	0.017	83	24578	0.1000	0.0960	
3 Bis(2-chloroethyl)ether	93	4.244	4.244	0.000	98	54033	0.1000	0.1018	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	98	83111	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	276177	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	138467	0.1000	0.1001	
7 Quinoline	129	6.044	6.031	0.013	95	79132	0.1000	0.1008	
8 2-Methylnaphthalene	142	6.379	6.369	0.010	96	83629	0.1000	0.1007	
$ 9 1-Methylnaphthalene-d10	152	6.439	6.429	0.010	98	60431	0.1000	0.1004	
10 1-Methylnaphthalene	142	6.469	6.469	0.000	98	77400	0.1000	0.1026	
11 Dimethyl phthalate	163	7.110	7.110	0.000	98	558189	1.00	1.01	
12 Acenaphthylene	152	7.230	7.230	0.000	95	118276	0.1000	0.1040	
* 13 Acenaphthene-d10	164	7.360	7.361	-0.001	89	123313	0.2500	0.2500	
14 Acenaphthene	154	7.391	7.391	-0.001	96	68709	0.1000	0.1012	
15 Dibenzofuran	168	7.561	7.561	0.000	68	108101	0.1000	0.1036	
16 Diethyl phthalate	149	7.777	7.777	0.000	99	558880	1.00	1.00	
17 Fluorene	166	7.877	7.877	0.000	96	74972	0.1000	0.0996	
18 N-Nitrosodiphenylamine	169	8.001	8.001	0.000	96	45104	0.1000	0.1032	
19 Hexachlorobenzene	284	8.402	8.402	0.000	87	24995	0.1000	0.1031	
* 20 Phenanthrene-d10	188	8.773	8.773	0.000	100	202324	0.2500	0.2500	
21 Phenanthrene	178	8.796	8.796	0.000	99	106442	0.1000	0.0995	
22 Anthracene	178	8.842	8.843	-0.001	100	99400	0.1000	0.0985	
23 Di-n-butyl phthalate	149	9.337	9.343	-0.006	100	732840	1.00	0.9771	
$ 24 Fluoranthene-d10 (Surr)	212	9.907	9.908	-0.001	97	83507	0.1000	0.1019	
25 Fluoranthene	202	9.920	9.926	-0.006	100	103224	0.1000	0.1009	
26 Pyrene	202	10.139	10.139	0.000	96	105490	0.1000	0.0998	
27 Butyl benzyl phthalate	149	10.808	10.815	-0.007	100	254980	1.00	0.9400	
28 Benzo[a]anthracene	228	11.414	11.414	0.000	100	72172	0.1000	0.0955	
* 29 Chrysene-d12	240	11.429	11.429	0.000	86	130933	0.2500	0.2500	
30 Chrysene	228	11.460	11.460	0.000	100	86250	0.1000	0.1002	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.490	11.490	0.000	99	331021	1.00	0.9411	
32 Di-n-octyl phthalate	149	12.365	12.365	0.000	100	492530	1.00	0.9728	
33 Benzo[b]fluoranthene	252	12.832	12.833	-0.001	100	63241	0.1000	0.1014	
34 Benzo[k]fluoranthene	252	12.871	12.871	0.000	100	86886	0.1000	0.1081	
35 Benzo[e]pyrene	252	13.216	13.216	0.000	100	71632	0.1000	0.1051	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.254	13.262	-0.008	99	46536	0.1000	0.1023	
37 Benzo[a]pyrene	252	13.293	13.293	0.000	100	68552	0.1000	0.1035	
* 38 Perylene-d12	264	13.377	13.377	0.000	96	120414	0.2500	0.2500	
39 Perylene	252	13.408	13.415	-0.007	100	77618	0.1000	0.1082	
40 Indeno[1,2,3-cd]pyrene	276	14.988	14.995	-0.007	97	42287	0.1000	0.0950	
41 Dibenz(a,h)anthracene	278	15.044	15.044	0.000	97	52603	0.1000	0.1005	
42 Benzo[g,h,i]perylene	276	15.447	15.447	0.000	98	64929	0.1000	0.1029	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_3_00015 Amount Added: 1.00 Units: mL

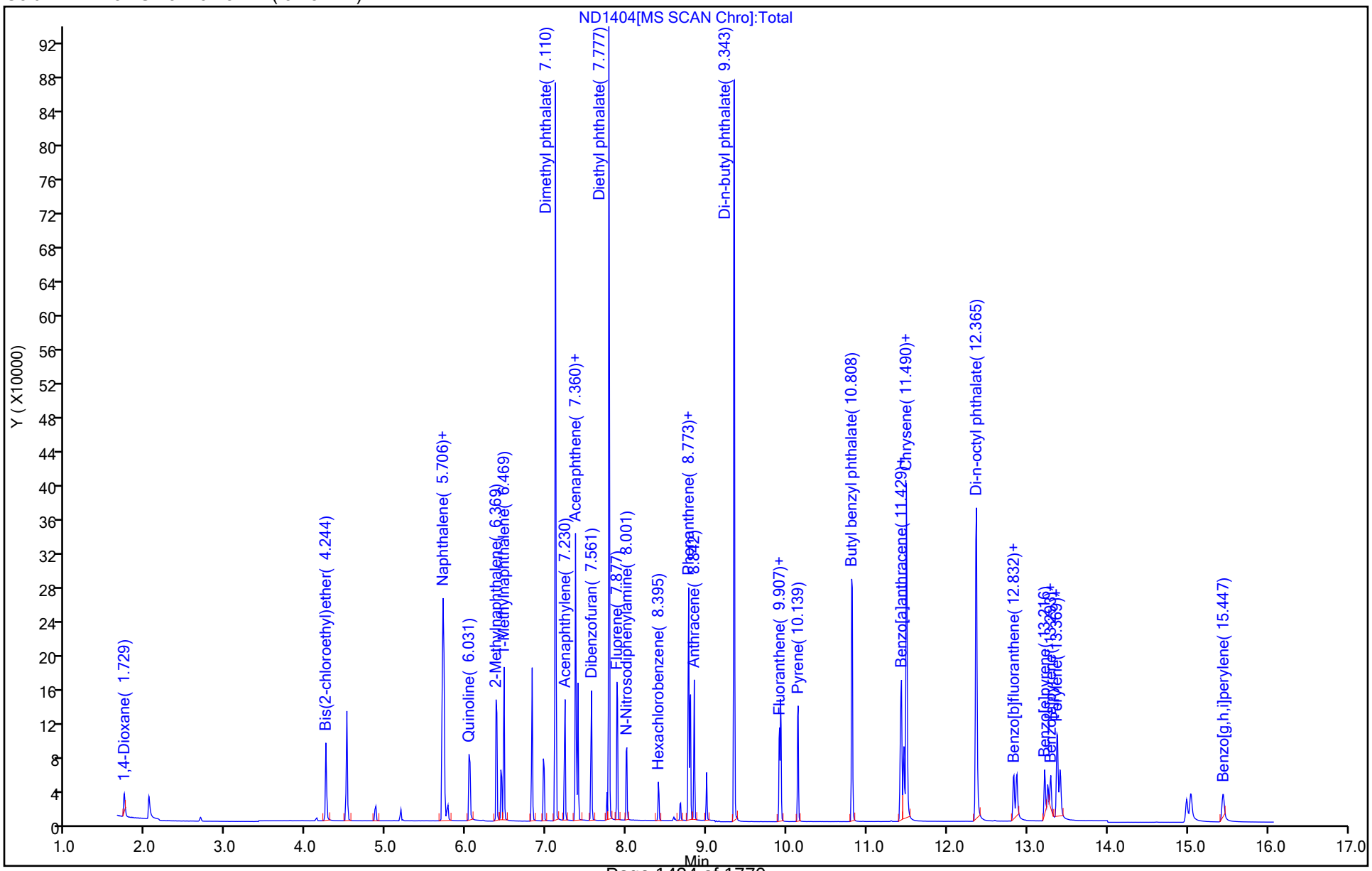
Report Date: 29-Apr-2022 18:27:18 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1404.D

Injection Date:	29-Apr-2022 16:20:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	IC L3			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1405.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 29-Apr-2022 16:42:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0056077-006
Operator ID: whs02991 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:20 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 17:28:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.729	1.716	0.013	97	11598	0.0500	0.0499	
2 N-Nitrosodimethylamine	74	2.040	2.018	0.022	85	11805	0.0500	0.0458	
3 Bis(2-chloroethyl)ether	93	4.244	4.244	0.000	99	27184	0.0500	0.0525	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	99	83654	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	269208	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	71834	0.0500	0.0533	
7 Quinoline	129	6.044	6.031	0.013	97	39689	0.0500	0.0519	
8 2-Methylnaphthalene	142	6.377	6.369	0.008	97	42912	0.0500	0.0530	
$ 9 1-Methylnaphthalene-d10	152	6.437	6.429	0.008	98	30850	0.0500	0.0526	
10 1-Methylnaphthalene	142	6.467	6.469	-0.002	97	39012	0.0500	0.0530	
11 Dimethyl phthalate	163	7.108	7.110	-0.002	99	286965	0.5000	0.5234	
12 Acenaphthylene	152	7.228	7.230	-0.002	98	59891	0.0500	0.0531	
* 13 Acenaphthene-d10	164	7.368	7.361	0.007	92	122295	0.2500	0.2500	
14 Acenaphthene	154	7.388	7.391	-0.003	95	33927	0.0500	0.0504	
15 Dibenzofuran	168	7.558	7.561	-0.003	74	54310	0.0500	0.0525	
16 Diethyl phthalate	149	7.782	7.777	0.005	97	291473	0.5000	0.5244	
17 Fluorene	166	7.882	7.877	0.005	100	37691	0.0500	0.0505	
18 N-Nitrosodiphenylamine	169	7.998	8.001	-0.003	99	22394	0.0500	0.0520	
19 Hexachlorobenzene	284	8.400	8.402	-0.002	91	12094	0.0500	0.0507	
* 20 Phenanthrene-d10	188	8.771	8.773	-0.002	100	199202	0.2500	0.2500	
21 Phenanthrene	178	8.794	8.796	-0.002	100	53793	0.0500	0.0510	
22 Anthracene	178	8.840	8.843	-0.003	100	49720	0.0500	0.0500	
23 Di-n-butyl phthalate	149	9.341	9.343	-0.002	100	359305	0.5000	0.4866	
$ 24 Fluoranthene-d10 (Surr)	212	9.905	9.908	-0.003	99	41124	0.0500	0.0510	
25 Fluoranthene	202	9.924	9.926	-0.002	98	50900	0.0500	0.0505	
26 Pyrene	202	10.137	10.139	-0.002	98	54315	0.0500	0.0521	
27 Butyl benzyl phthalate	149	10.813	10.815	-0.002	100	113905	0.5000	0.4260	
28 Benzo[a]anthracene	228	11.411	11.414	-0.003	76	34790	0.0500	0.0467	
* 29 Chrysene-d12	240	11.426	11.429	-0.003	84	129059	0.2500	0.2500	
30 Chrysene	228	11.457	11.460	-0.003	100	43656	0.0500	0.0515	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.488	11.490	-0.002	99	142548	0.5000	0.4112	
32 Di-n-octyl phthalate	149	12.362	12.365	-0.003	100	205647	0.5000	0.4260	
33 Benzo[b]fluoranthene	252	12.830	12.833	-0.003	100	28522	0.0500	0.0480	
34 Benzo[k]fluoranthene	252	12.868	12.871	-0.003	100	39856	0.0500	0.0520	
35 Benzo[e]pyrene	252	13.213	13.216	-0.003	100	32534	0.0500	0.0501	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.260	13.262	-0.002	97	21299	0.0500	0.0491	
37 Benzo[a]pyrene	252	13.290	13.293	-0.003	100	31726	0.0500	0.0502	
* 38 Perylene-d12	264	13.375	13.377	-0.002	97	114821	0.2500	0.2500	
39 Perylene	252	13.413	13.415	-0.002	100	34820	0.0500	0.0509	
40 Indeno[1,2,3-cd]pyrene	276	14.986	14.995	-0.009	98	19244	0.0500	0.0454	
41 Dibenz(a,h)anthracene	278	15.042	15.044	-0.002	97	21478	0.0500	0.0430	
42 Benzo[g,h,i]perylene	276	15.445	15.447	-0.002	99	29040	0.0500	0.0483	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_2_00017 Amount Added: 1.00 Units: mL

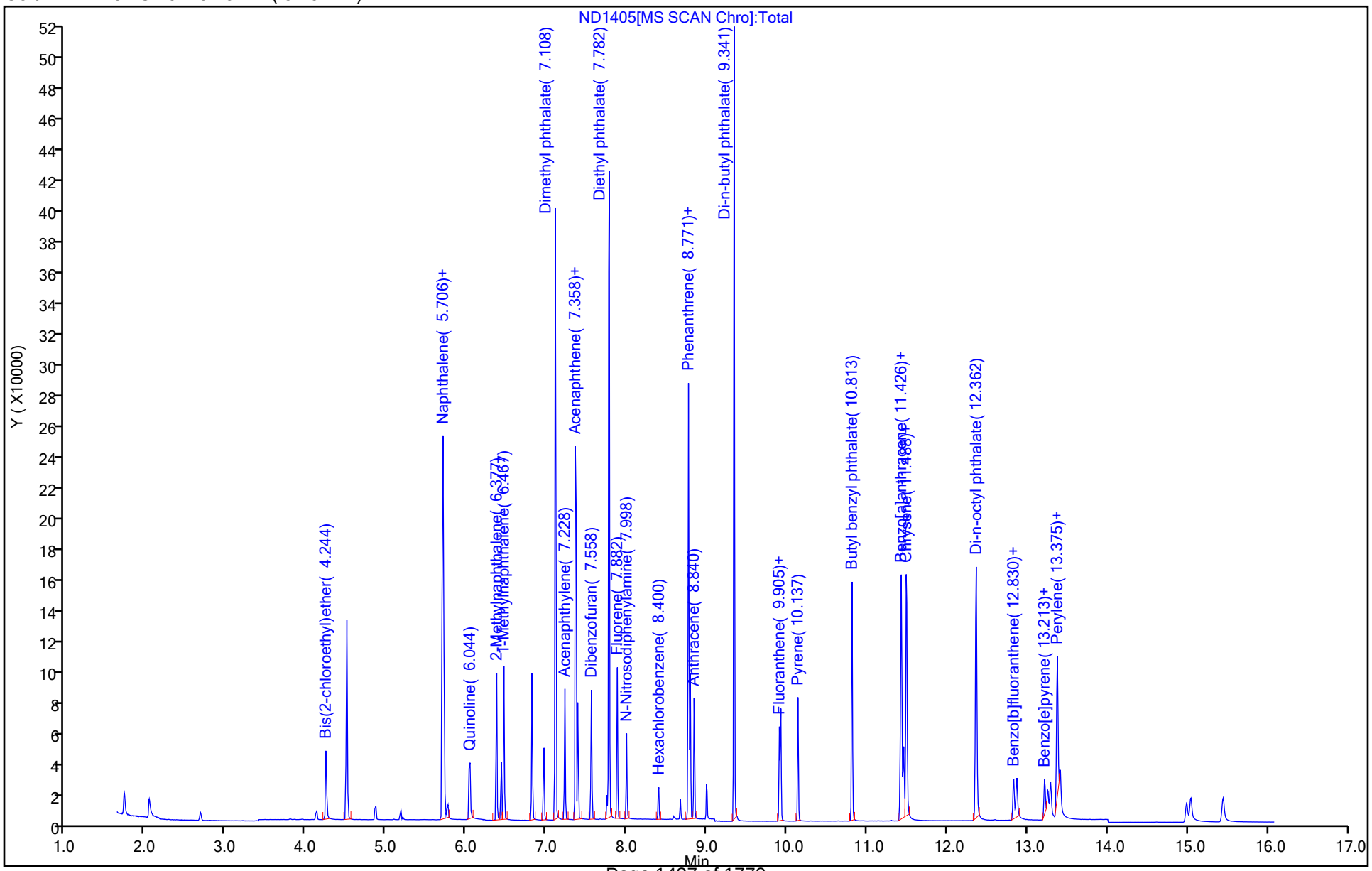
Report Date: 29-Apr-2022 18:27:20 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1405.D

Injection Date:	29-Apr-2022 16:42:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	IC L2			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 29-Apr-2022 17:03:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0056077-007
Operator ID: whs02991 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:23 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 17:30:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.733	1.733	0.000	99	2596	0.0100	0.0115	M
2 N-Nitrosodimethylamine	74	2.057	2.057	0.000	83	2277	0.0100	0.009126	M
3 Bis(2-chloroethyl)ether	93	4.257	4.257	0.000	90	4307	0.0100	0.008493	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	98	81001	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	263807	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	99	13615	0.0100	0.0103	
7 Quinoline	129	6.044	6.044	0.000	99	7363	0.0100	0.009818	
8 2-Methylnaphthalene	142	6.379	6.379	0.000	96	8156	0.0100	0.0103	
$ 9 1-Methylnaphthalene-d10	152	6.439	6.439	0.000	98	5957	0.0100	0.0104	
10 1-Methylnaphthalene	142	6.469	6.469	0.000	100	7307	0.0100	0.0101	
11 Dimethyl phthalate	163	7.110	7.110	0.000	100	150269	0.2500	0.2776	
12 Acenaphthylene	152	7.230	7.230	0.000	98	10898	0.0100	0.009790	
* 13 Acenaphthene-d10	164	7.360	7.360	0.000	89	120729	0.2500	0.2500	
14 Acenaphthene	154	7.390	7.390	0.000	67	6557	0.0100	0.009868	
15 Dibenzofuran	168	7.561	7.561	0.000	71	10034	0.0100	0.009822	
16 Diethyl phthalate	149	7.777	7.777	0.000	99	152343	0.2500	0.2777	
17 Fluorene	166	7.885	7.885	0.000	99	7073	0.0100	0.009593	
18 N-Nitrosodiphenylamine	169	8.001	8.001	0.000	98	4015	0.0100	0.009587	
19 Hexachlorobenzene	284	8.402	8.402	0.000	87	2436	0.0100	0.0105	
* 20 Phenanthrene-d10	188	8.773	8.773	0.000	100	193847	0.2500	0.2500	
21 Phenanthrene	178	8.796	8.796	0.000	100	10250	0.0100	0.0100	
22 Anthracene	178	8.842	8.842	0.000	100	9374	0.0100	0.009695	
23 Di-n-butyl phthalate	149	9.337	9.337	0.000	100	169026	0.2500	0.2352	
$ 24 Fluoranthene-d10 (Surr)	212	9.907	9.907	0.000	98	7729	0.0100	0.009847	
25 Fluoranthene	202	9.926	9.926	0.000	94	9579	0.0100	0.009771	
26 Pyrene	202	10.139	10.139	0.000	97	10149	0.0100	0.0104	
27 Butyl benzyl phthalate	149	10.808	10.808	0.000	100	49560	0.2500	0.1979	
28 Benzo[a]anthracene	228	11.414	11.414	0.000	89	6599	0.0100	0.009453	
* 29 Chrysene-d12	240	11.429	11.429	0.000	82	120900	0.2500	0.2500	
30 Chrysene	228	11.460	11.460	0.000	100	7560	0.0100	0.009515	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.490	11.490	0.000	99	60319	0.2500	0.1857	
32 Di-n-octyl phthalate	149	12.357	12.357	0.000	100	89732	0.2500	0.2022	
33 Benzo[b]fluoranthene	252	12.832	12.832	0.000	100	5062	0.0100	0.009263	
34 Benzo[k]fluoranthene	252	12.871	12.871	0.000	99	6559	0.0100	0.009307	
35 Benzo[e]pyrene	252	13.216	13.216	0.000	100	5876	0.0100	0.009836	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.254	13.254	0.000	100	3533	0.0100	0.008859	
37 Benzo[a]pyrene	252	13.293	13.293	0.000	100	5295	0.0100	0.009120	
* 38 Perylene-d12	264	13.377	13.377	0.000	96	105556	0.2500	0.2500	
39 Perylene	252	13.408	13.408	0.000	100	6275	0.0100	0.0100	
40 Indeno[1,2,3-cd]pyrene	276	14.988	14.988	0.000	98	3539	0.0100	0.009072	M
41 Dibenz(a,h)anthracene	278	15.044	15.044	0.000	97	3792	0.0100	0.008261	M
42 Benzo[g,h,i]perylene	276	15.440	15.440	0.000	99	4874	0.0100	0.008813	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_1_00016 Amount Added: 1.00 Units: mL

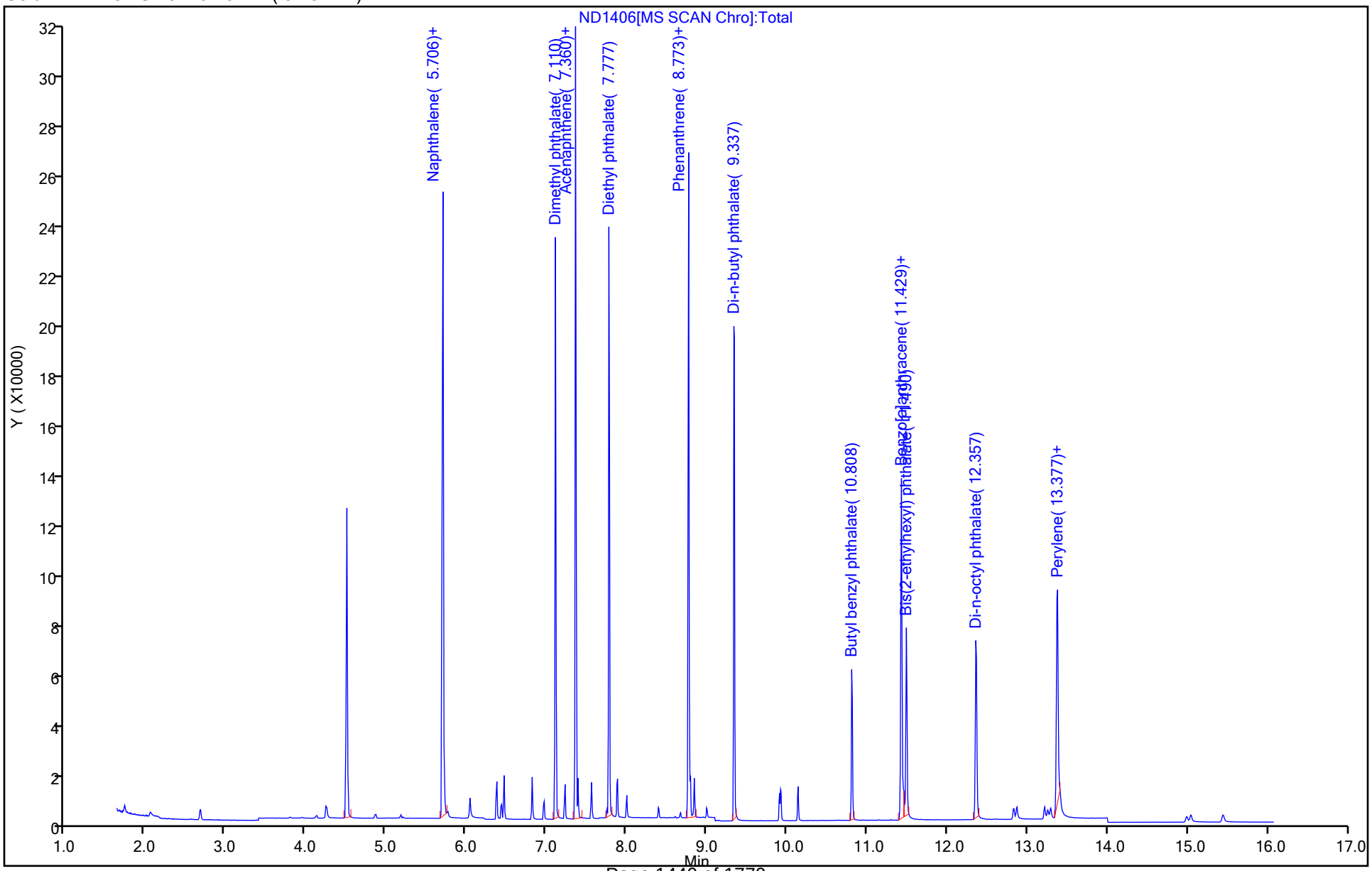
Report Date: 29-Apr-2022 18:27:23 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Injection Date:	29-Apr-2022 17:03:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	IC L1			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

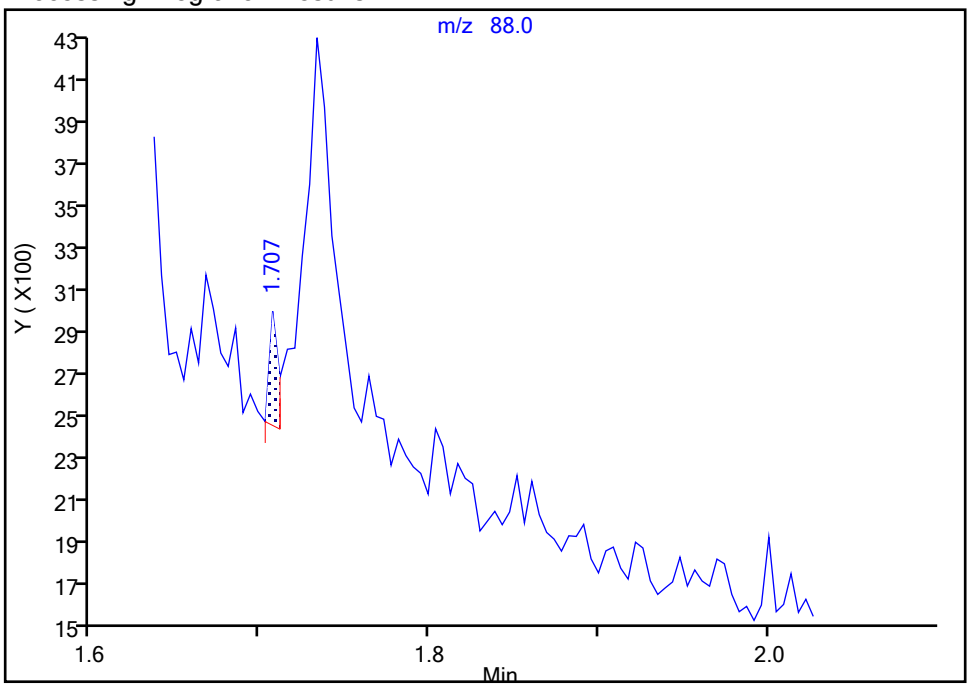
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Injection Date:	29-Apr-2022 17:03:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	whs02991	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

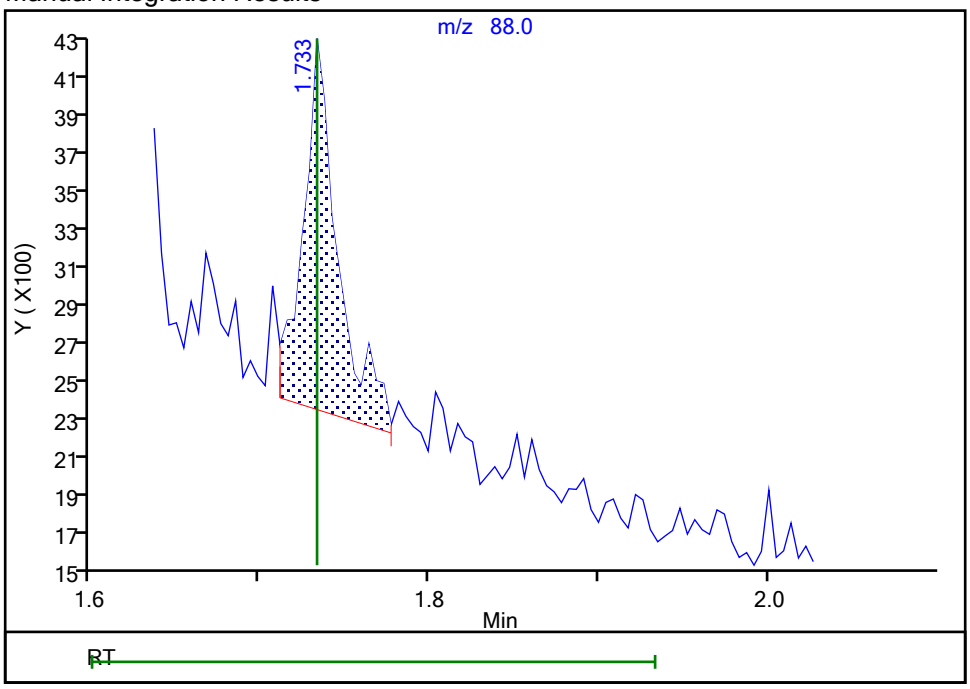
Processing Integration Results

RT: 1.71
Area: 166
Amount: 0.005898
Amount Units: ug/ml



Manual Integration Results

RT: 1.73
Area: 2596
Amount: 0.011540
Amount Units: ug/ml



Reviewer: saadehw, 29-Apr-2022 17:29:06

Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

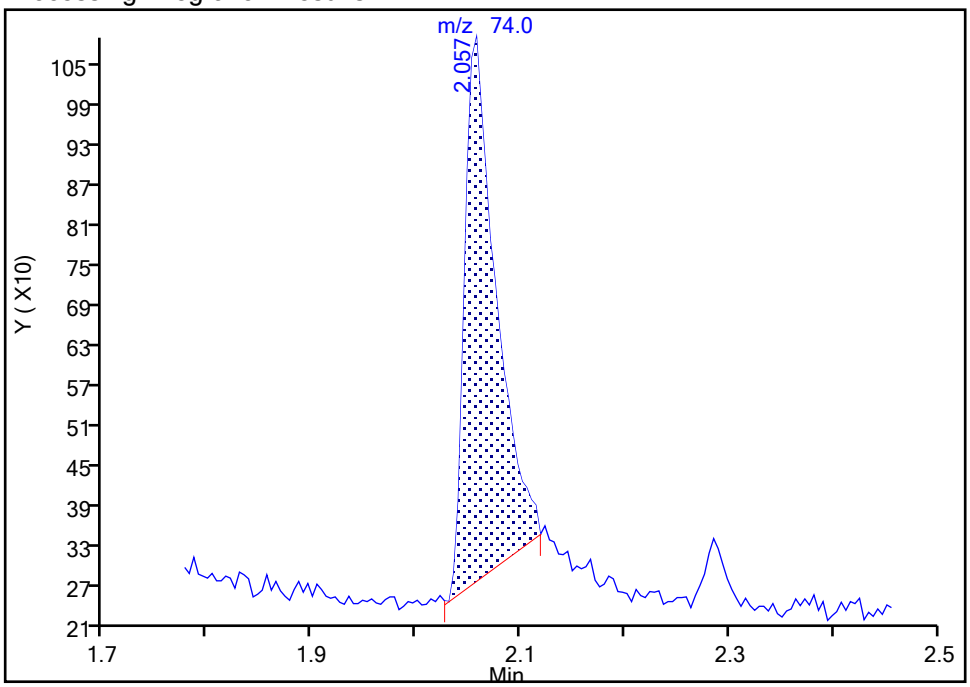
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Injection Date:	29-Apr-2022 17:03:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	whs02991	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

2 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

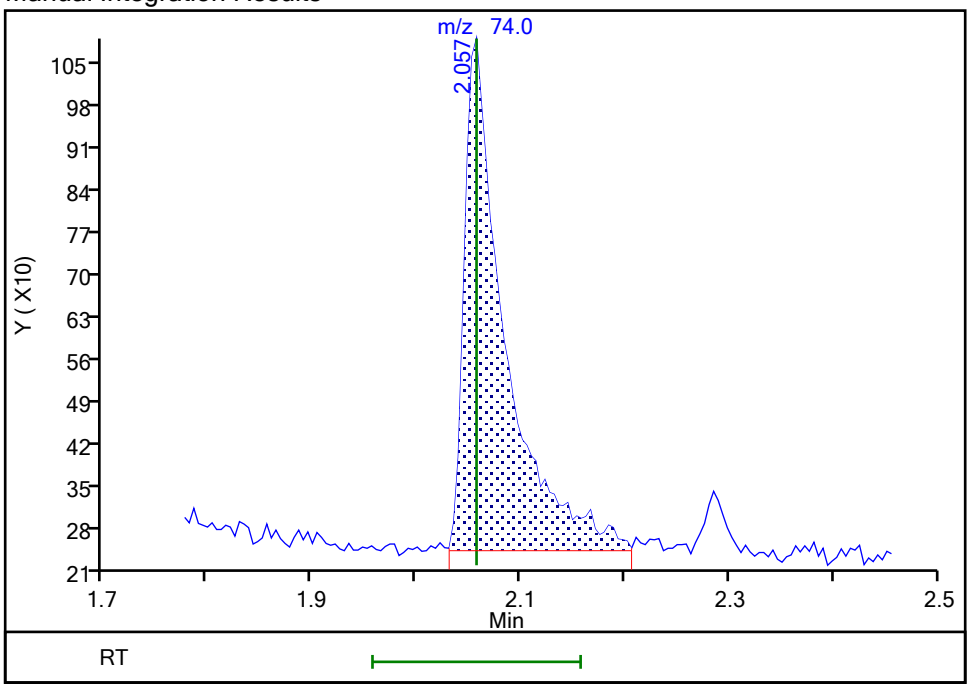
Processing Integration Results

RT: 2.06
Area: 1705
Amount: 0.007105
Amount Units: ug/ml



Manual Integration Results

RT: 2.06
Area: 2277
Amount: 0.009126
Amount Units: ug/ml



Reviewer: saadehw, 29-Apr-2022 17:29:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

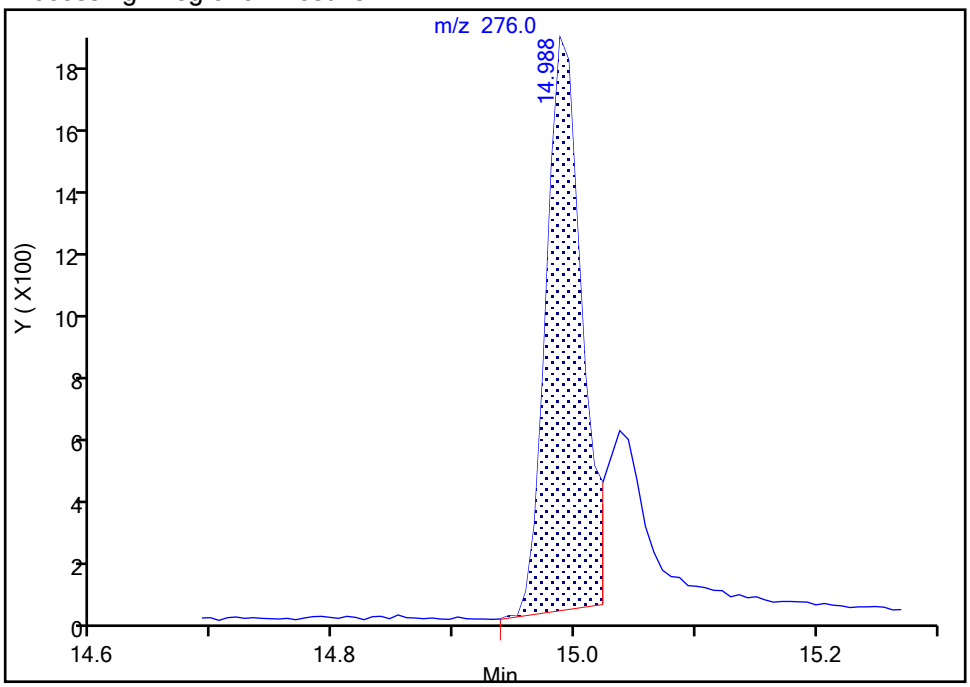
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Injection Date:	29-Apr-2022 17:03:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	whs02991	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

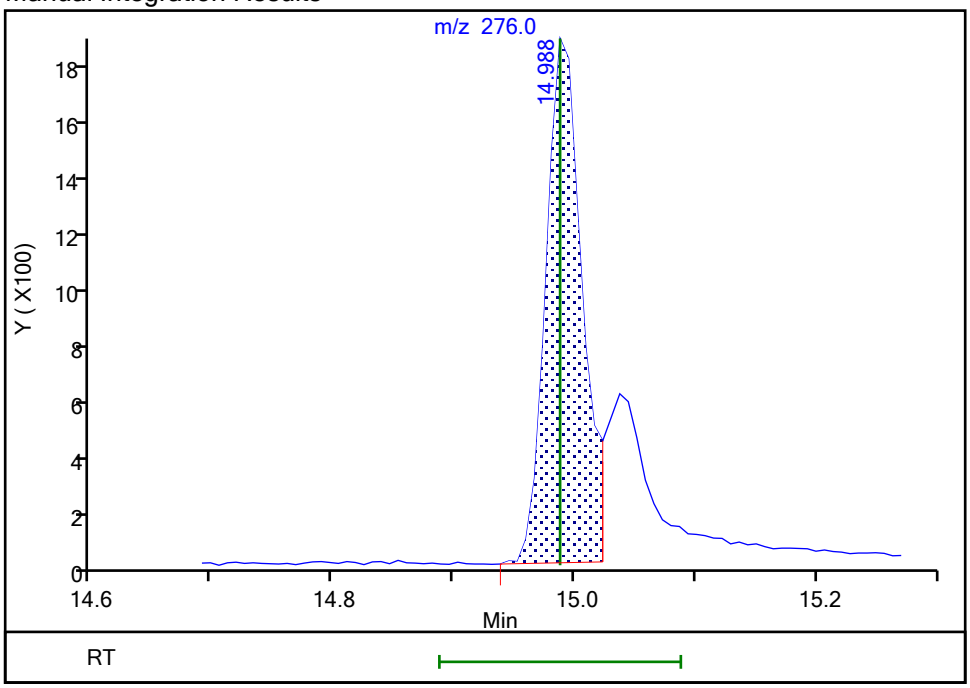
Processing Integration Results

RT: 14.99
Area: 3450
Amount: 0.008878
Amount Units: ug/ml



Manual Integration Results

RT: 14.99
Area: 3539
Amount: 0.009072
Amount Units: ug/ml



Reviewer: saadehw, 29-Apr-2022 17:29:45

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

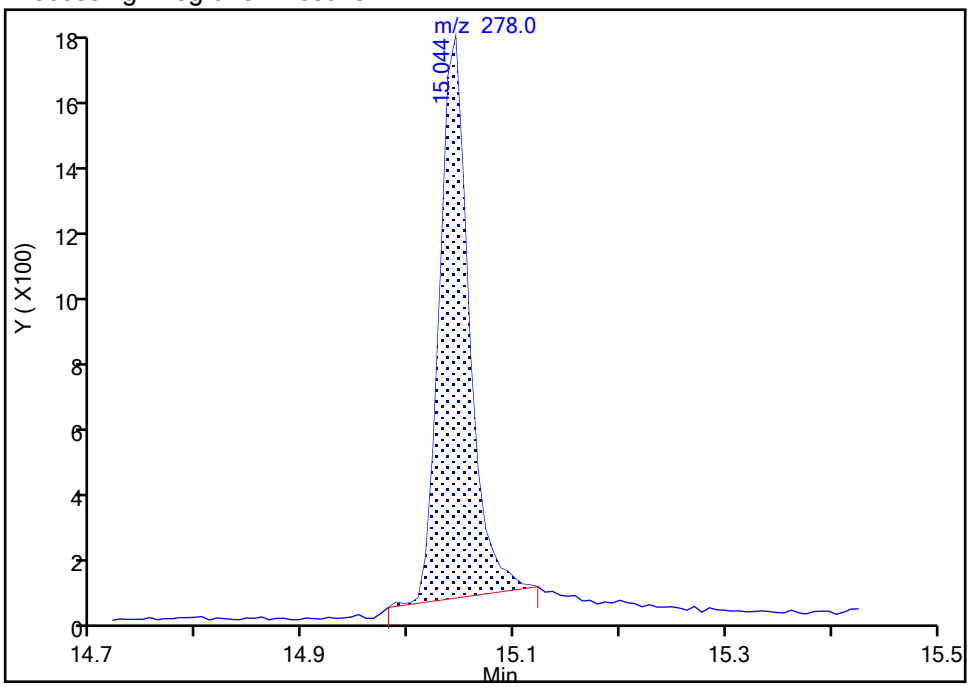
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Injection Date:	29-Apr-2022 17:03:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	whs02991	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

41 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

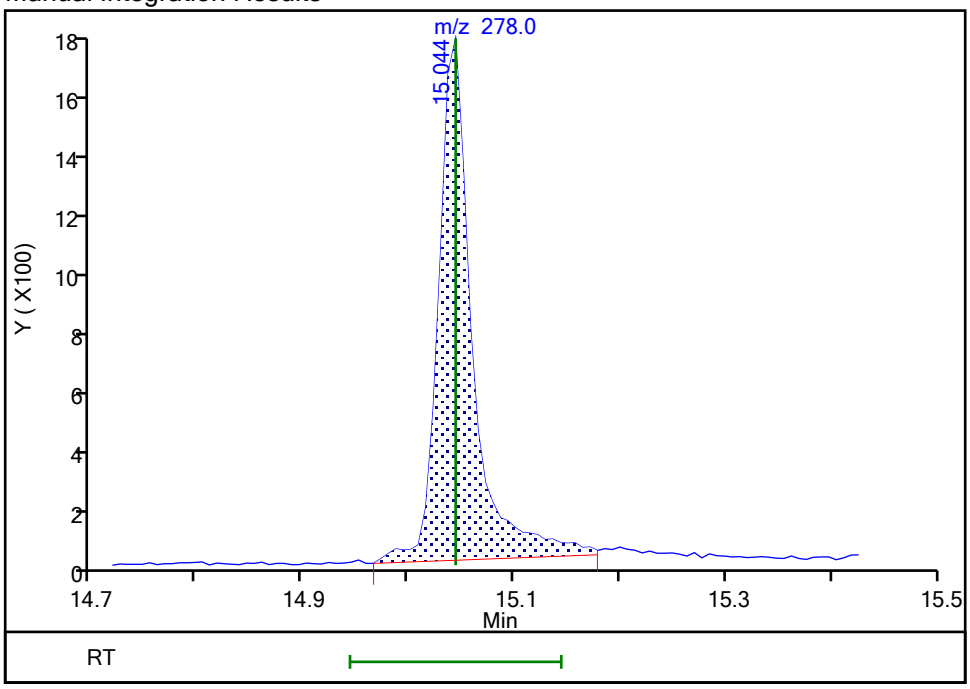
Processing Integration Results

RT: 15.04
Area: 3204
Amount: 0.007132
Amount Units: ug/ml



Manual Integration Results

RT: 15.04
Area: 3792
Amount: 0.008261
Amount Units: ug/ml



Reviewer: saadehw, 29-Apr-2022 17:30:02

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

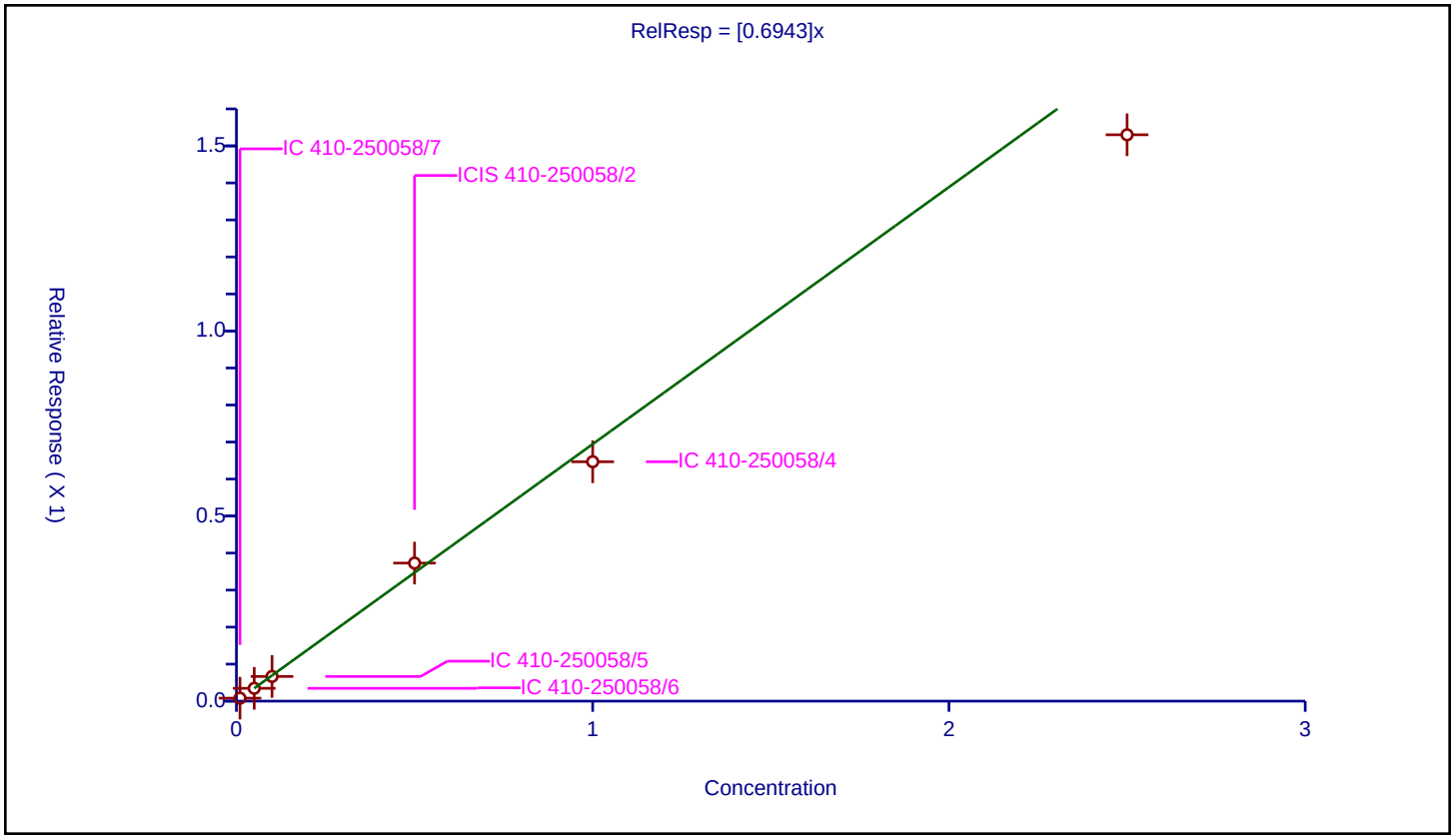
Curve Coefficients

Intercept:	0
Slope:	0.6943

Error Coefficients

Standard Error:	233000
Relative Standard Error:	10.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.008012	0.25	81001.0	0.801225	Y
2	IC 410-250058/6	0.05	0.034661	0.25	83654.0	0.693213	Y
3	IC 410-250058/5	0.1	0.066673	0.25	83111.0	0.666729	Y
4	ICIS 410-250058/2	0.5	0.372991	0.25	75428.0	0.745983	Y
5	IC 410-250058/4	1.0	0.64676	0.25	76269.0	0.64676	Y
6	IC 410-250058/3	2.5	1.530051	0.25	76345.0	0.61202	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

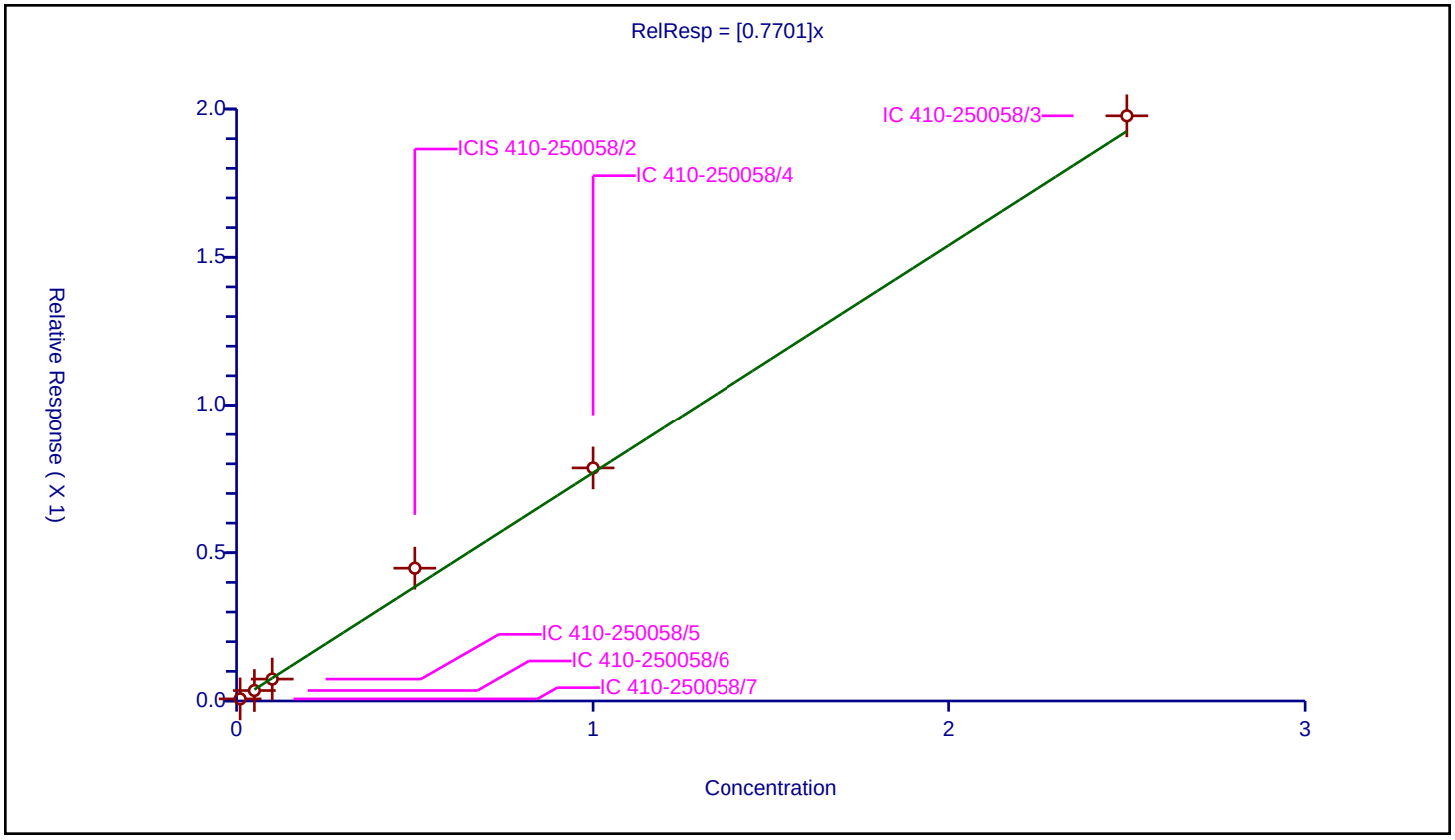
Curve Coefficients

Intercept:	0
Slope:	0.7701

Error Coefficients

Standard Error:	297000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.007028	0.25	81001.0	0.702769	Y
2	IC 410-250058/6	0.05	0.035279	0.25	83654.0	0.705585	Y
3	IC 410-250058/5	0.1	0.073931	0.25	83111.0	0.739312	Y
4	ICIS 410-250058/2	0.5	0.447927	0.25	75428.0	0.895854	Y
5	IC 410-250058/4	1.0	0.786155	0.25	76269.0	0.786155	Y
6	IC 410-250058/3	2.5	1.977074	0.25	76345.0	0.79083	Y



Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

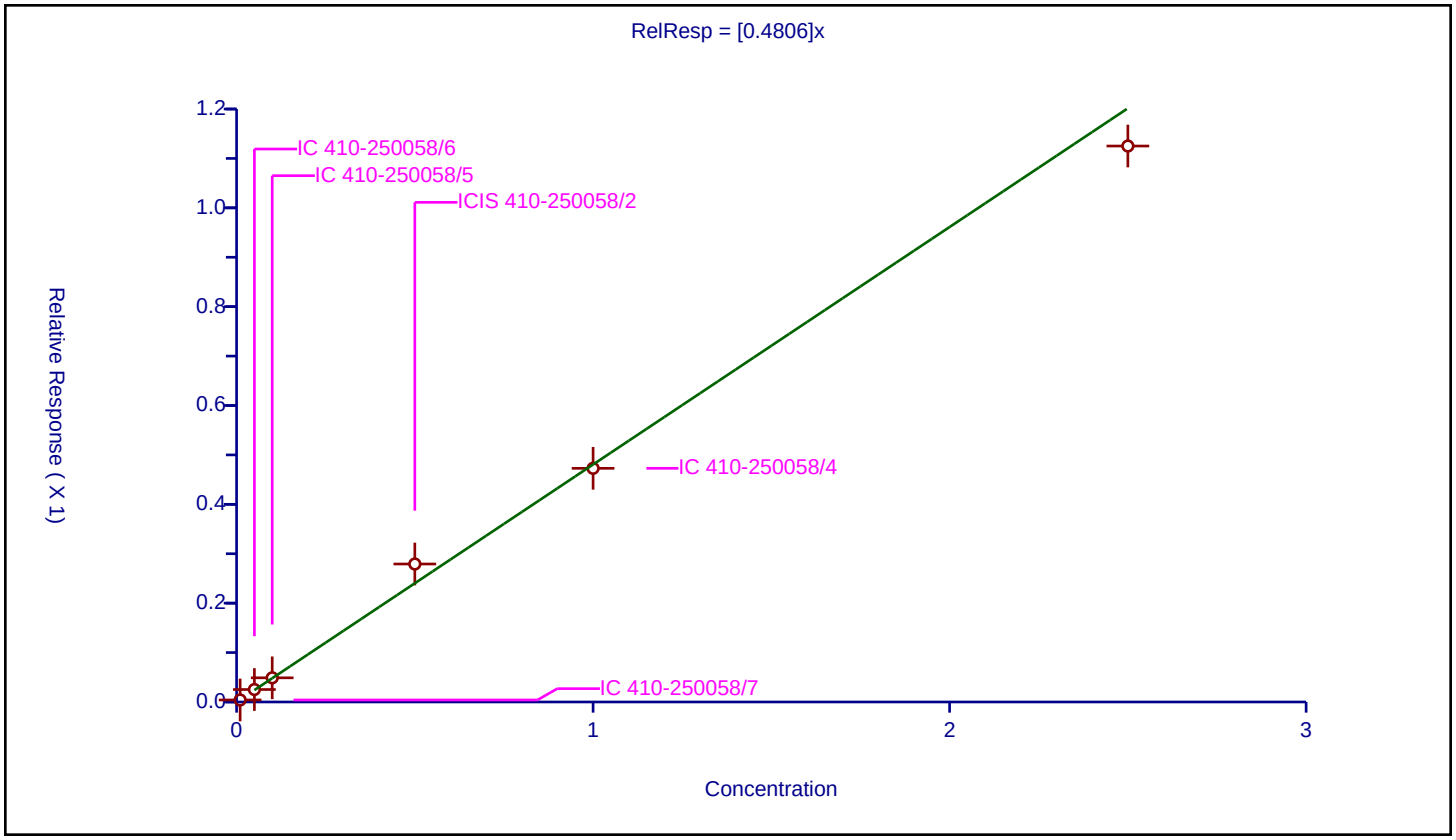
Curve Coefficients

Intercept:	0
Slope:	0.4806

Error Coefficients

Standard Error:	574000
Relative Standard Error:	10.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.004082	0.25	263807.0	0.408158	Y
2	IC 410-250058/6	0.05	0.025244	0.25	269208.0	0.504888	Y
3	IC 410-250058/5	0.1	0.048912	0.25	276177.0	0.489116	Y
4	ICIS 410-250058/2	0.5	0.279232	0.25	246992.0	0.558463	Y
5	IC 410-250058/4	1.0	0.472868	0.25	257491.0	0.472868	Y
6	IC 410-250058/3	2.5	1.125115	0.25	256538.0	0.450046	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

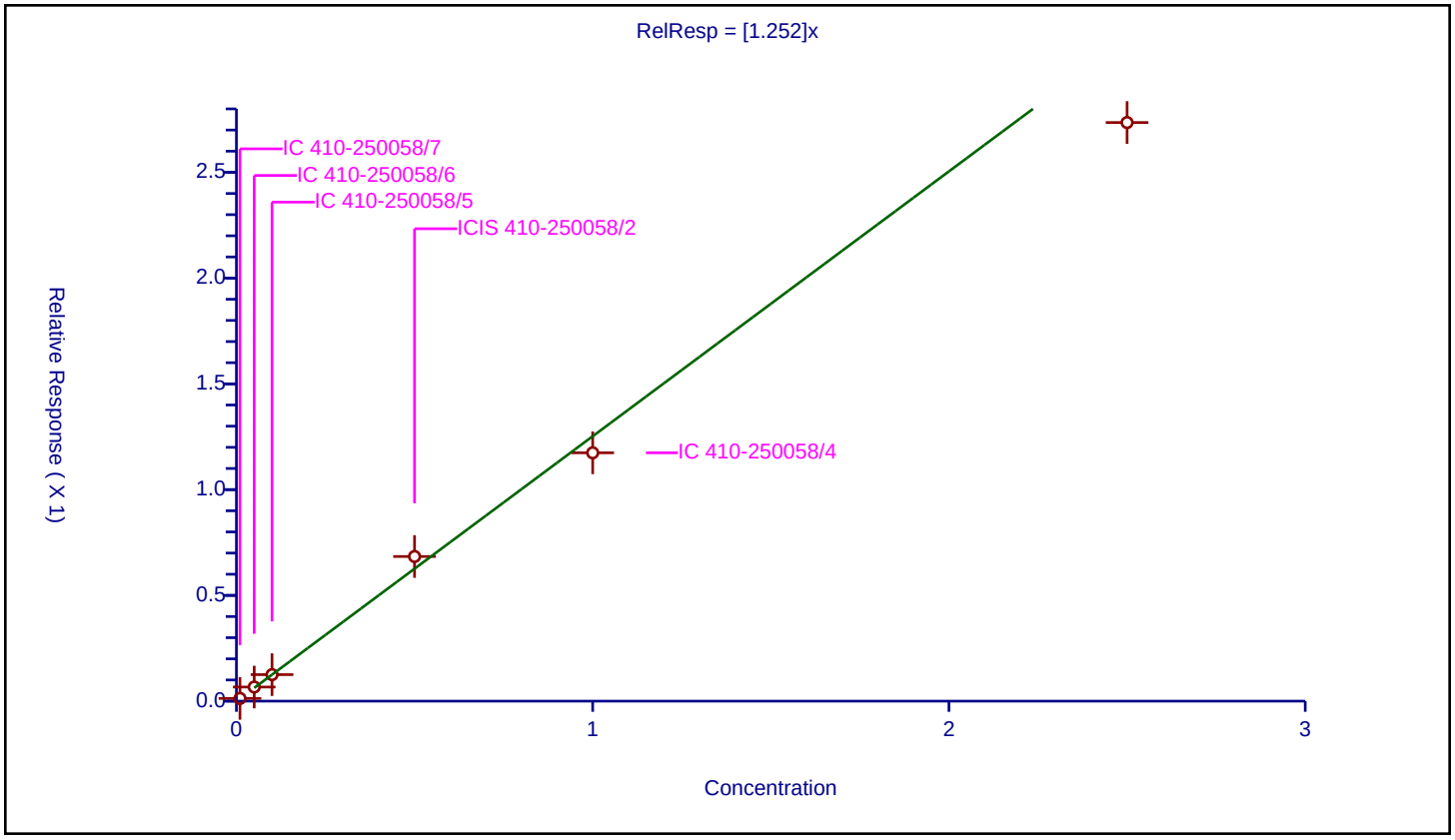
Curve Coefficients

Intercept:	0
Slope:	1.252

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	8.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.012902	0.25	263807.0	1.290242	Y
2	IC 410-250058/6	0.05	0.066709	0.25	269208.0	1.334173	Y
3	IC 410-250058/5	0.1	0.125343	0.25	276177.0	1.253426	Y
4	ICIS 410-250058/2	0.5	0.683859	0.25	246992.0	1.367718	Y
5	IC 410-250058/4	1.0	1.174069	0.25	257491.0	1.174069	Y
6	IC 410-250058/3	2.5	2.735513	0.25	256538.0	1.094205	Y



Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

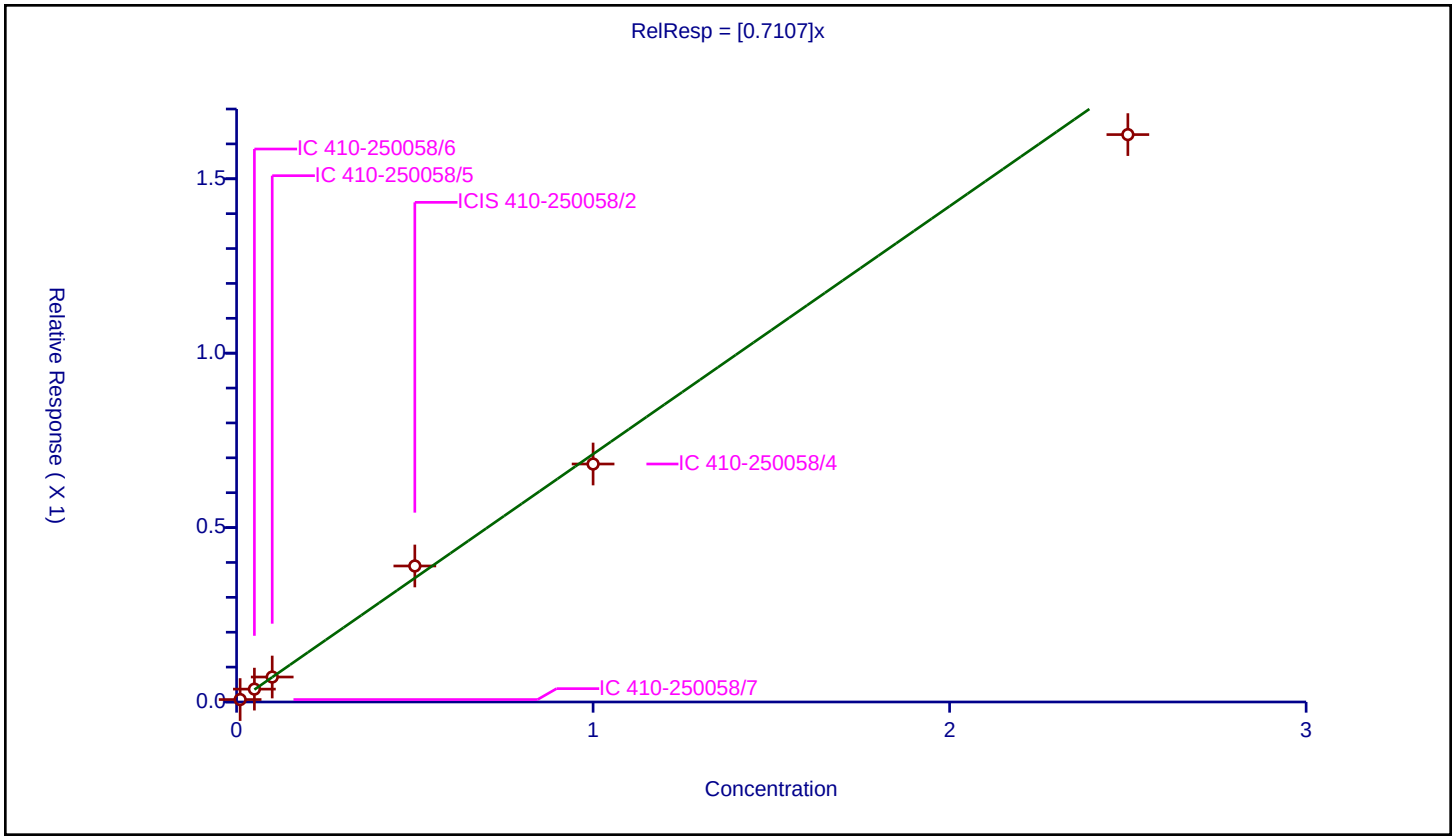
Curve Coefficients

Intercept:	0
Slope:	0.7107

Error Coefficients

Standard Error:	829000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.006978	0.25	263807.0	0.697764	Y
2	IC 410-250058/6	0.05	0.036857	0.25	269208.0	0.737144	Y
3	IC 410-250058/5	0.1	0.071632	0.25	276177.0	0.716316	Y
4	ICIS 410-250058/2	0.5	0.389959	0.25	246992.0	0.779918	Y
5	IC 410-250058/4	1.0	0.682314	0.25	257491.0	0.682314	Y
6	IC 410-250058/3	2.5	1.626663	0.25	256538.0	0.650665	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

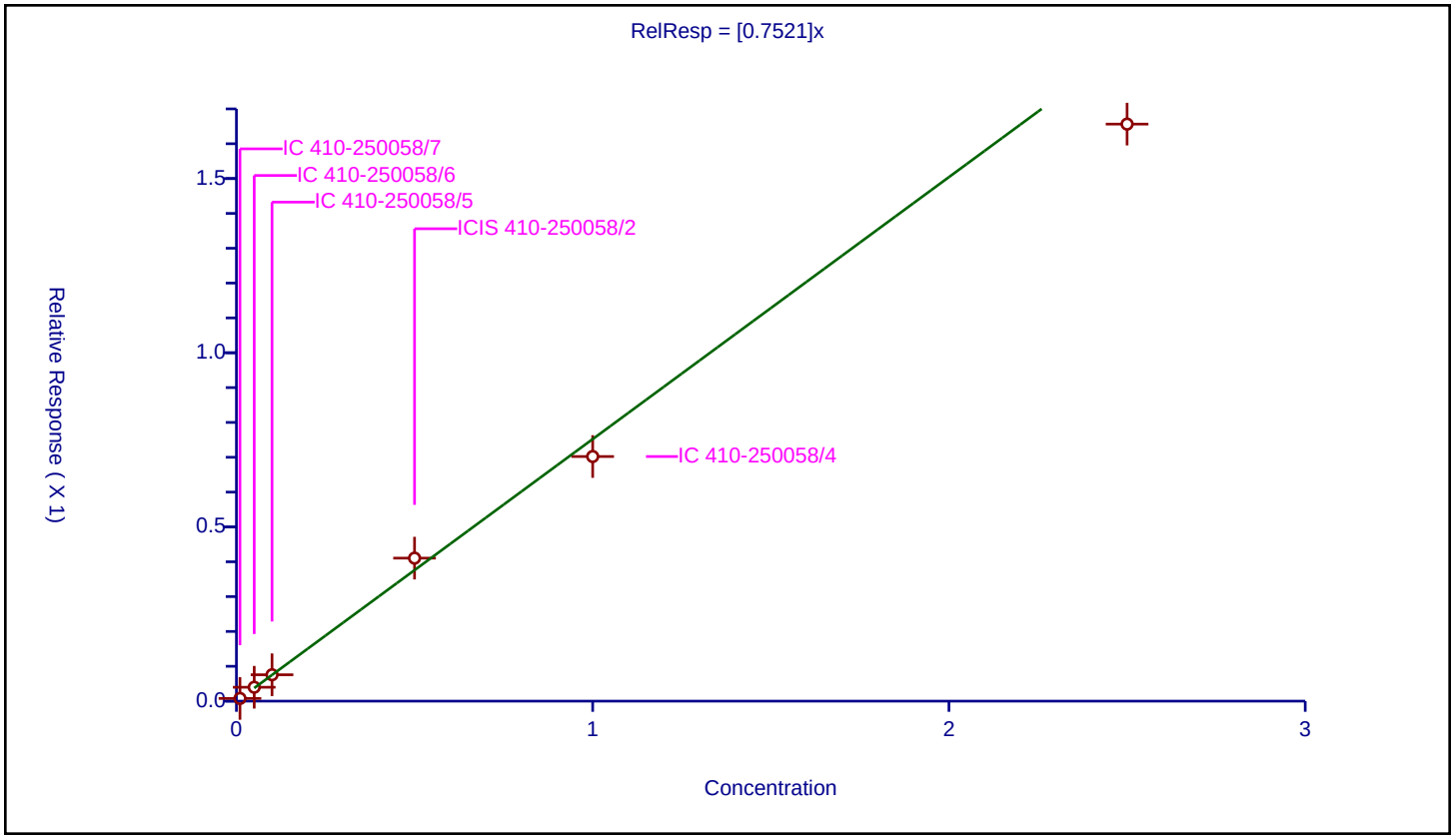
Curve Coefficients

Intercept:	0
Slope:	0.7521

Error Coefficients

Standard Error:	847000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.007729	0.25	263807.0	0.772914	Y
2	IC 410-250058/6	0.05	0.03985	0.25	269208.0	0.797005	Y
3	IC 410-250058/5	0.1	0.075702	0.25	276177.0	0.757024	Y
4	ICIS 410-250058/2	0.5	0.410532	0.25	246992.0	0.821063	Y
5	IC 410-250058/4	1.0	0.702176	0.25	257491.0	0.702176	Y
6	IC 410-250058/3	2.5	1.656374	0.25	256538.0	0.662549	Y



Calibration / 1-Methylnaphthalene-d10

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

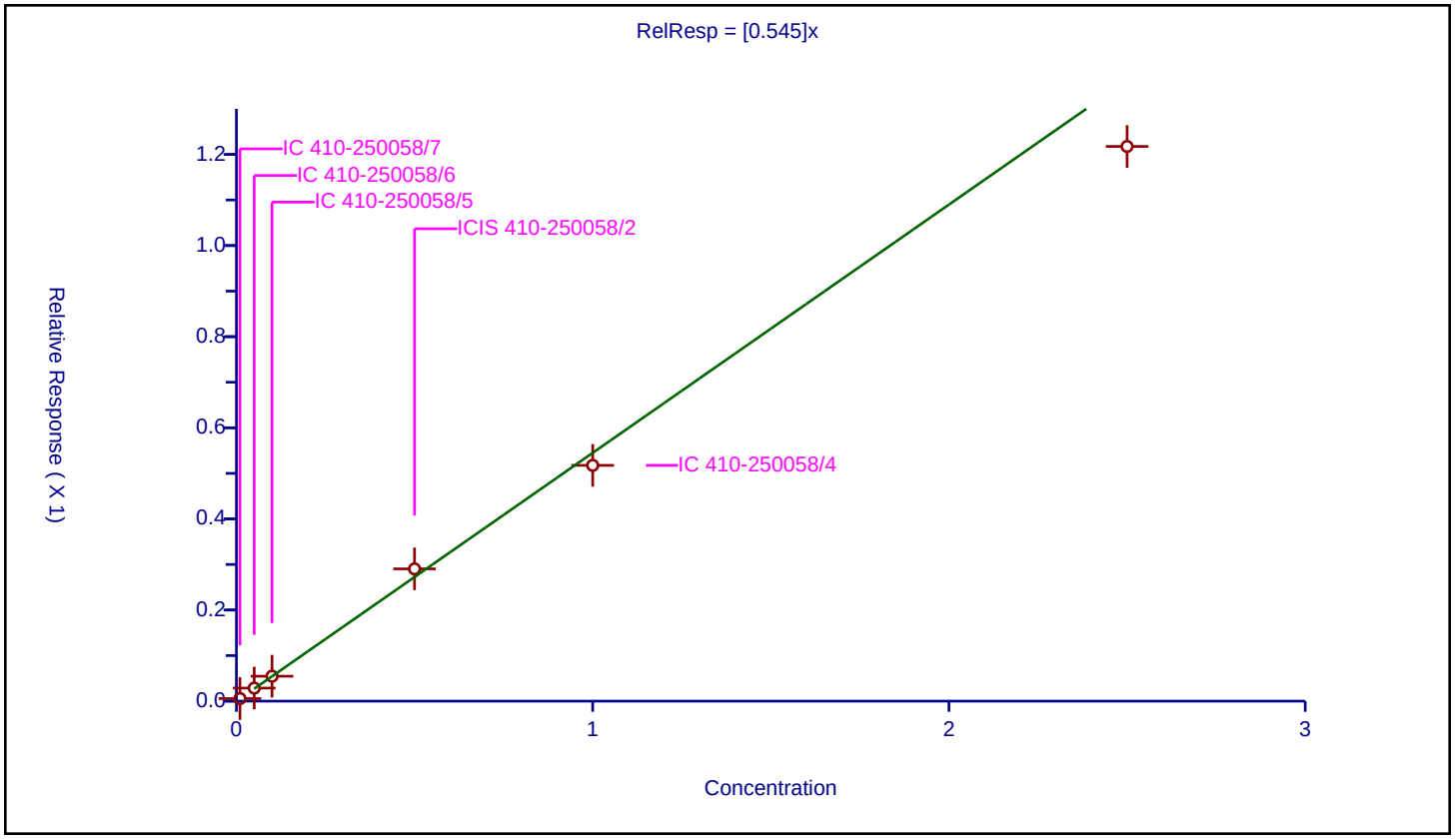
Curve Coefficients

Intercept:	0
Slope:	0.545

Error Coefficients

Standard Error:	622000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.005645	0.25	263807.0	0.564523	Y
2	IC 410-250058/6	0.05	0.028649	0.25	269208.0	0.572977	Y
3	IC 410-250058/5	0.1	0.054703	0.25	276177.0	0.547031	Y
4	ICIS 410-250058/2	0.5	0.290345	0.25	246992.0	0.580691	Y
5	IC 410-250058/4	1.0	0.517513	0.25	257491.0	0.517513	Y
6	IC 410-250058/3	2.5	1.217556	0.25	256538.0	0.487023	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

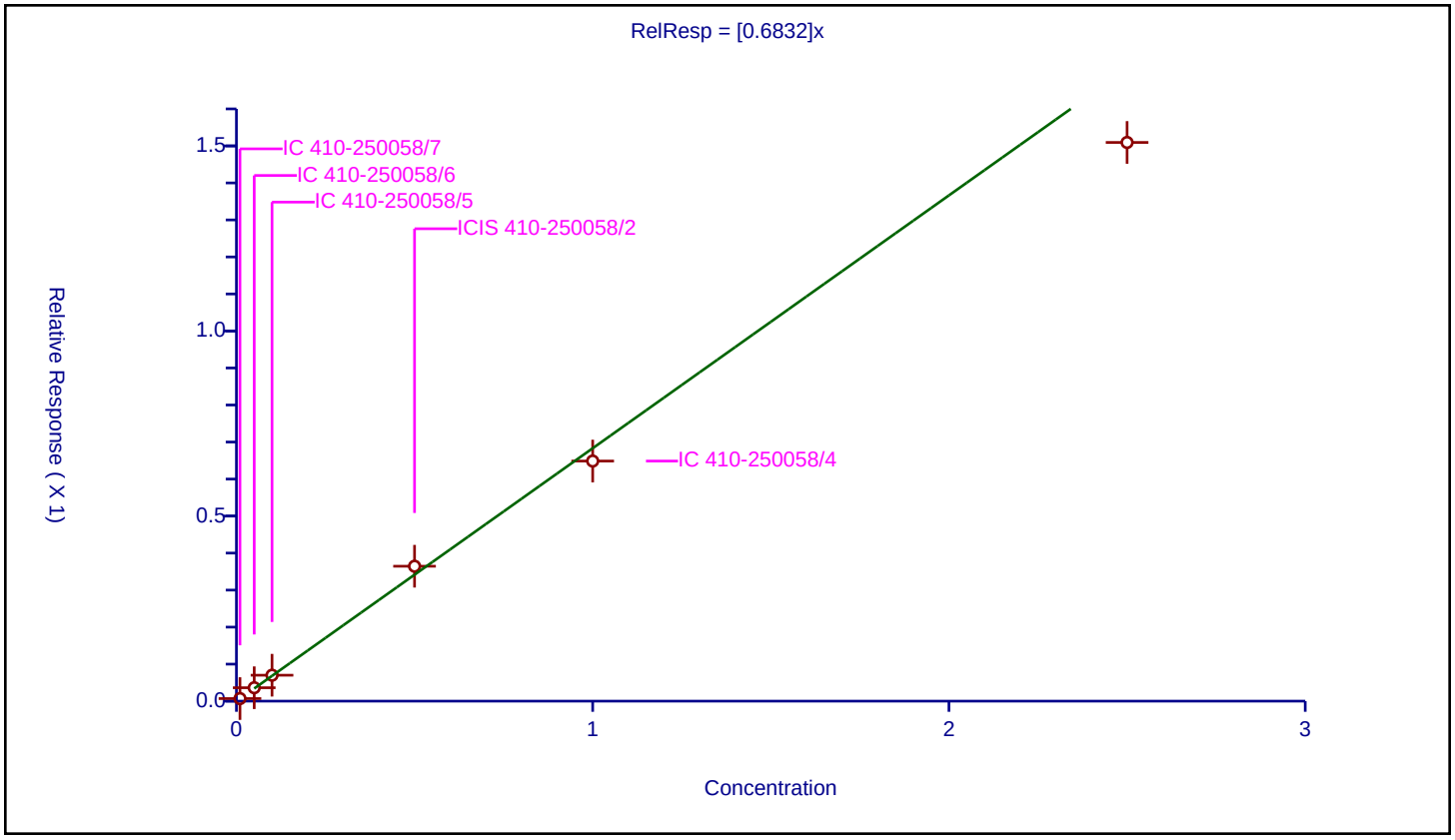
Curve Coefficients

Intercept:	0
Slope:	0.6832

Error Coefficients

Standard Error:	772000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.006925	0.25	263807.0	0.692457	Y
2	IC 410-250058/6	0.05	0.036228	0.25	269208.0	0.72457	Y
3	IC 410-250058/5	0.1	0.070064	0.25	276177.0	0.700638	Y
4	ICIS 410-250058/2	0.5	0.364502	0.25	246992.0	0.729003	Y
5	IC 410-250058/4	1.0	0.648659	0.25	257491.0	0.648659	Y
6	IC 410-250058/3	2.5	1.509312	0.25	256538.0	0.603725	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

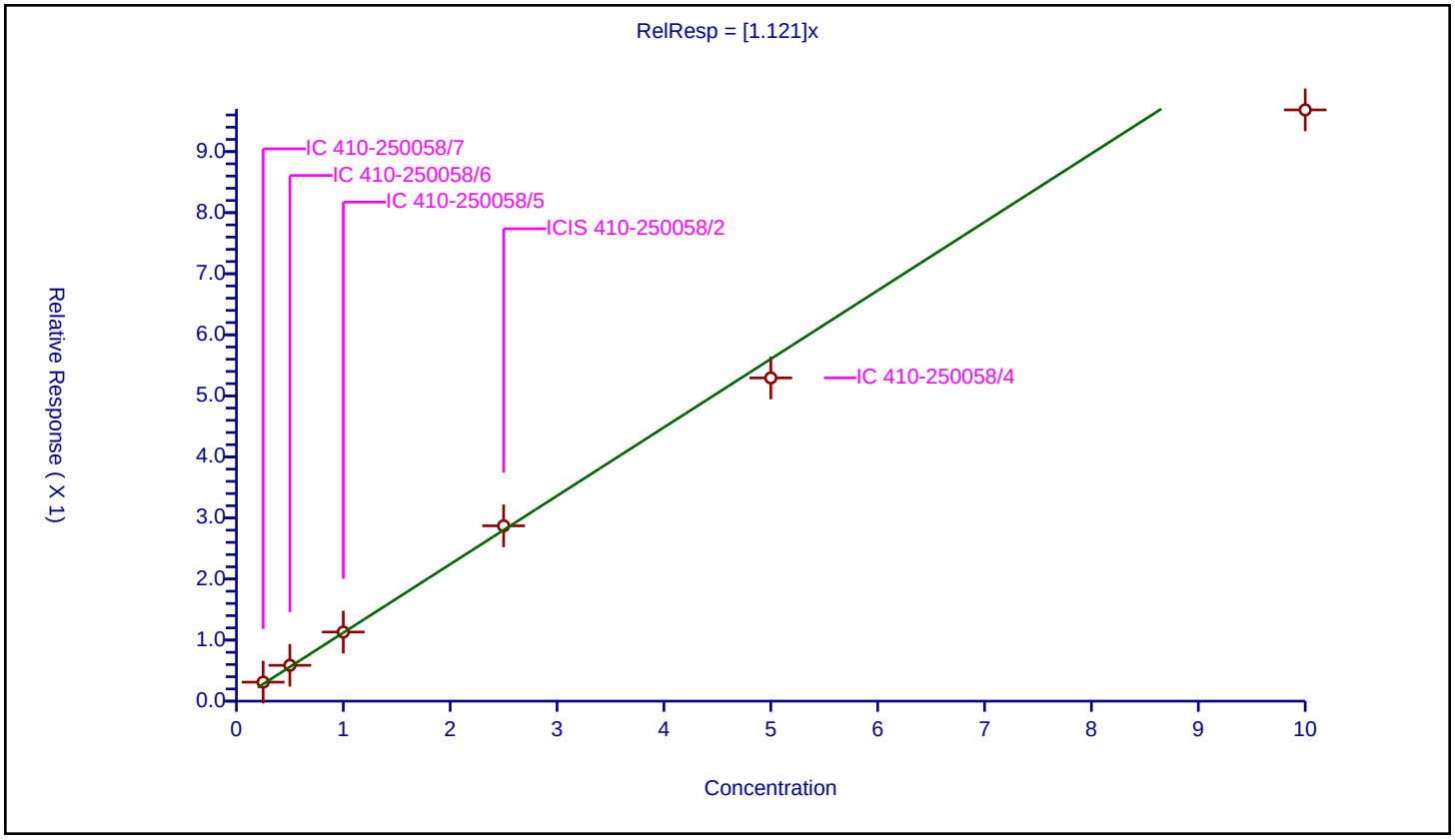
Curve Coefficients

Intercept:	0
Slope:	1.121

Error Coefficients

Standard Error:	2270000
Relative Standard Error:	8.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.31117	0.25	120729.0	1.24468	Y
2	IC 410-250058/6	0.5	0.586625	0.25	122295.0	1.173249	Y
3	IC 410-250058/5	1.0	1.131651	0.25	123313.0	1.131651	Y
4	ICIS 410-250058/2	2.5	2.871542	0.25	113531.0	1.148617	Y
5	IC 410-250058/4	5.0	5.293676	0.25	113324.0	1.058735	Y
6	IC 410-250058/3	10.0	9.683466	0.25	109109.0	0.968347	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

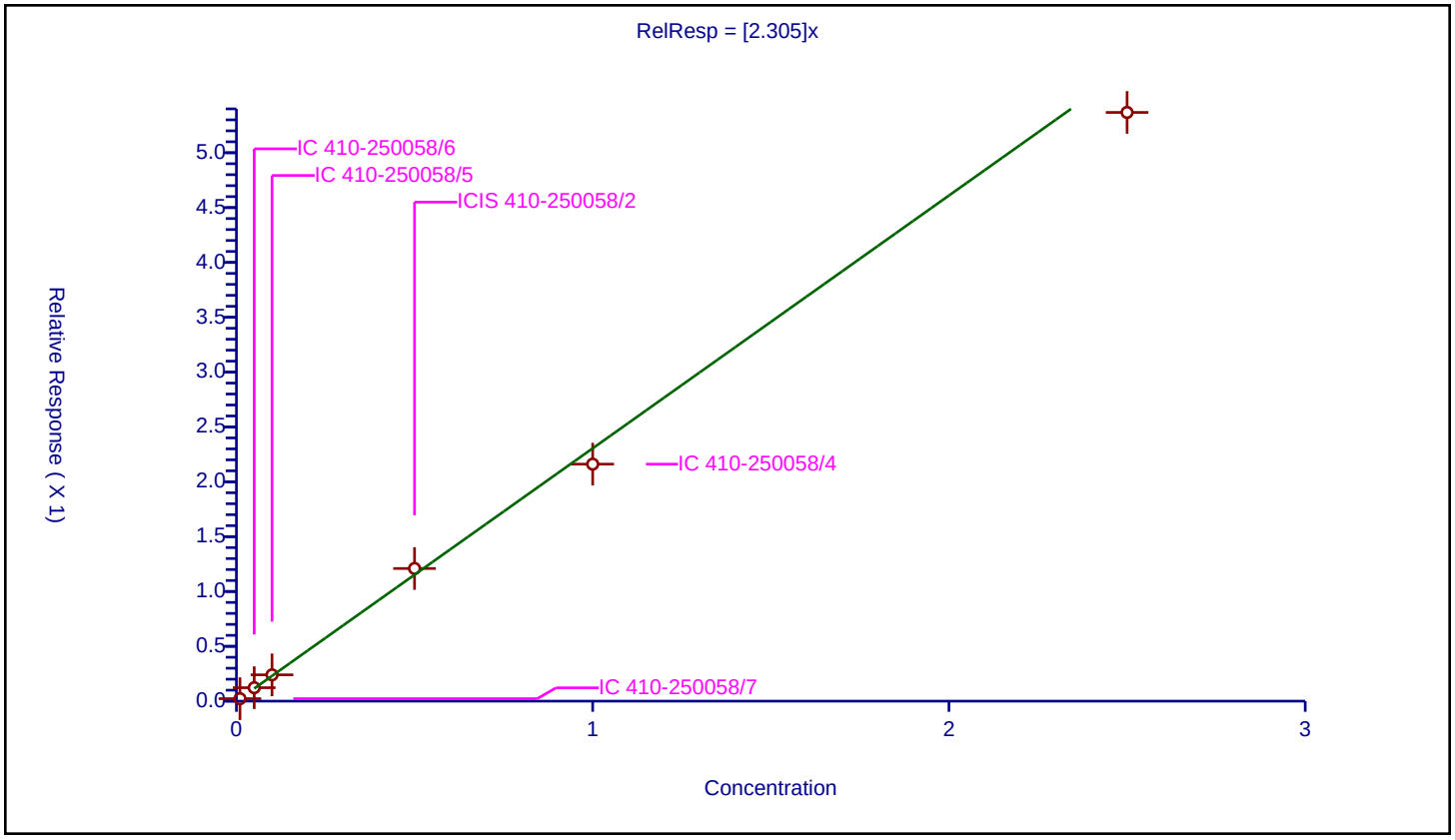
Curve Coefficients

Intercept:	0
Slope:	2.305

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.022567	0.25	120729.0	2.256707	Y
2	IC 410-250058/6	0.05	0.122431	0.25	122295.0	2.448628	Y
3	IC 410-250058/5	0.1	0.239788	0.25	123313.0	2.397882	Y
4	ICIS 410-250058/2	0.5	1.209381	0.25	113531.0	2.418762	Y
5	IC 410-250058/4	1.0	2.16099	0.25	113324.0	2.16099	Y
6	IC 410-250058/3	2.5	5.367724	0.25	109109.0	2.14709	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

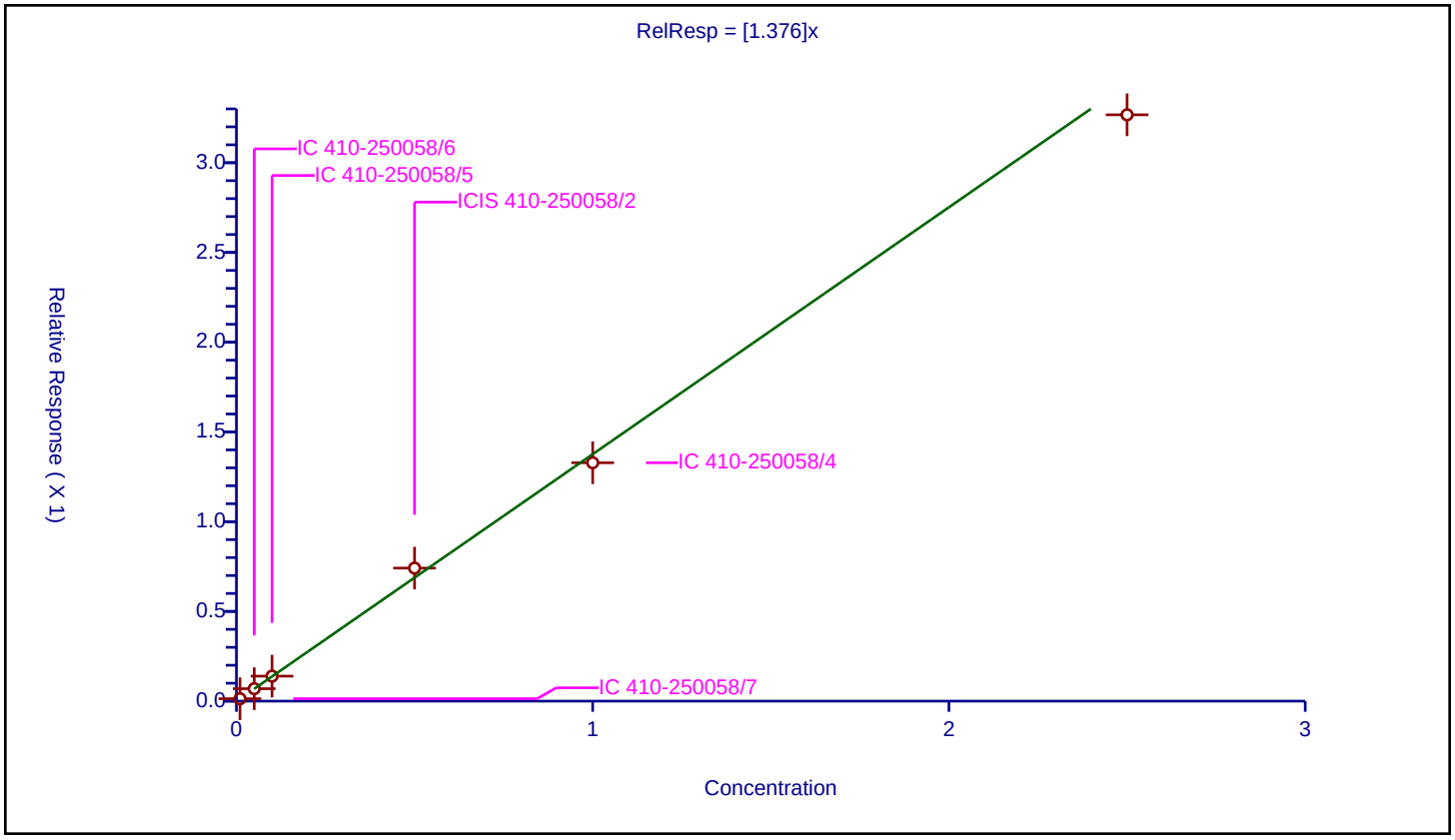
Curve Coefficients

Intercept:	0
Slope:	1.376

Error Coefficients

Standard Error:	709000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.013578	0.25	120729.0	1.357793	Y
2	IC 410-250058/6	0.05	0.069355	0.25	122295.0	1.387097	Y
3	IC 410-250058/5	0.1	0.139298	0.25	123313.0	1.39298	Y
4	ICIS 410-250058/2	0.5	0.741364	0.25	113531.0	1.482727	Y
5	IC 410-250058/4	1.0	1.328322	0.25	113324.0	1.328322	Y
6	IC 410-250058/3	2.5	3.267045	0.25	109109.0	1.306818	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

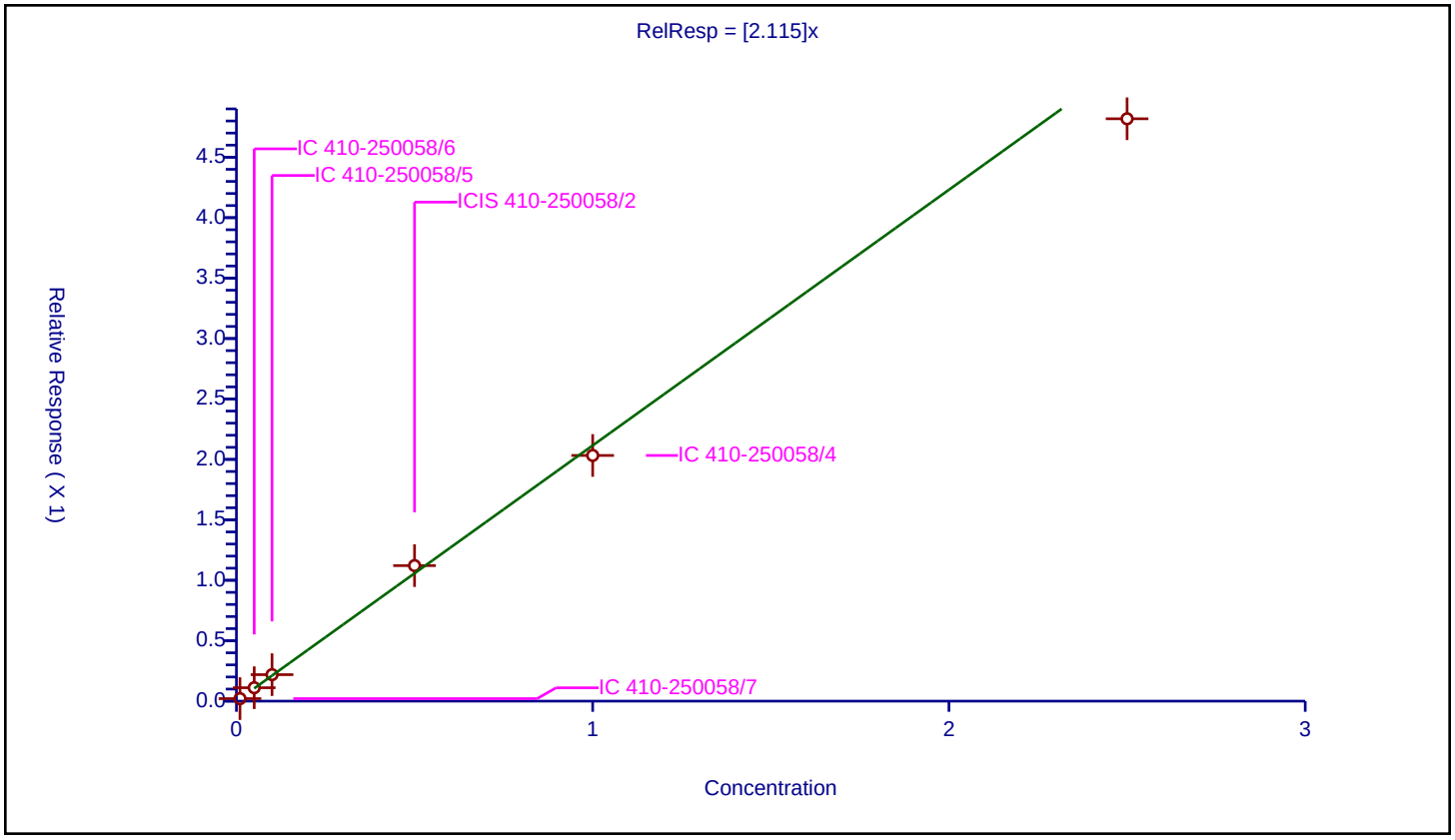
Curve Coefficients

Intercept:	0
Slope:	2.115

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	5.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.020778	0.25	120729.0	2.077794	Y
2	IC 410-250058/6	0.05	0.111023	0.25	122295.0	2.220451	Y
3	IC 410-250058/5	0.1	0.21916	0.25	123313.0	2.191598	Y
4	ICIS 410-250058/2	0.5	1.121185	0.25	113531.0	2.24237	Y
5	IC 410-250058/4	1.0	2.032751	0.25	113324.0	2.032751	Y
6	IC 410-250058/3	2.5	4.818351	0.25	109109.0	1.927341	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

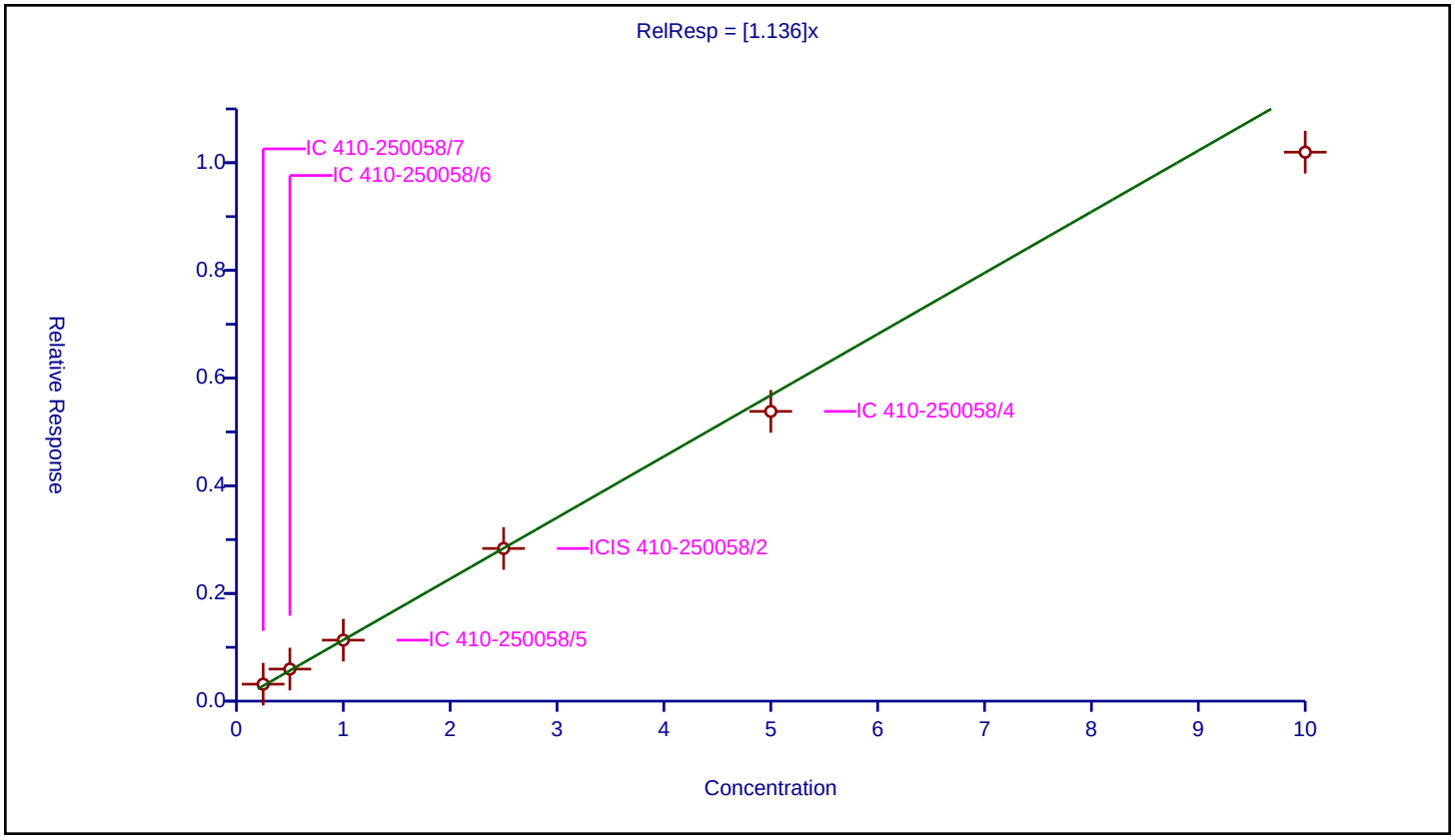
Curve Coefficients

Intercept:	0
Slope:	1.136

Error Coefficients

Standard Error:	2360000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.315465	0.25	120729.0	1.261859	Y
2	IC 410-250058/6	0.5	0.59584	0.25	122295.0	1.19168	Y
3	IC 410-250058/5	1.0	1.133052	0.25	123313.0	1.133052	Y
4	ICIS 410-250058/2	2.5	2.835853	0.25	113531.0	1.134341	Y
5	IC 410-250058/4	5.0	5.381669	0.25	113324.0	1.076334	Y
6	IC 410-250058/3	10.0	10.196739	0.25	109109.0	1.019674	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

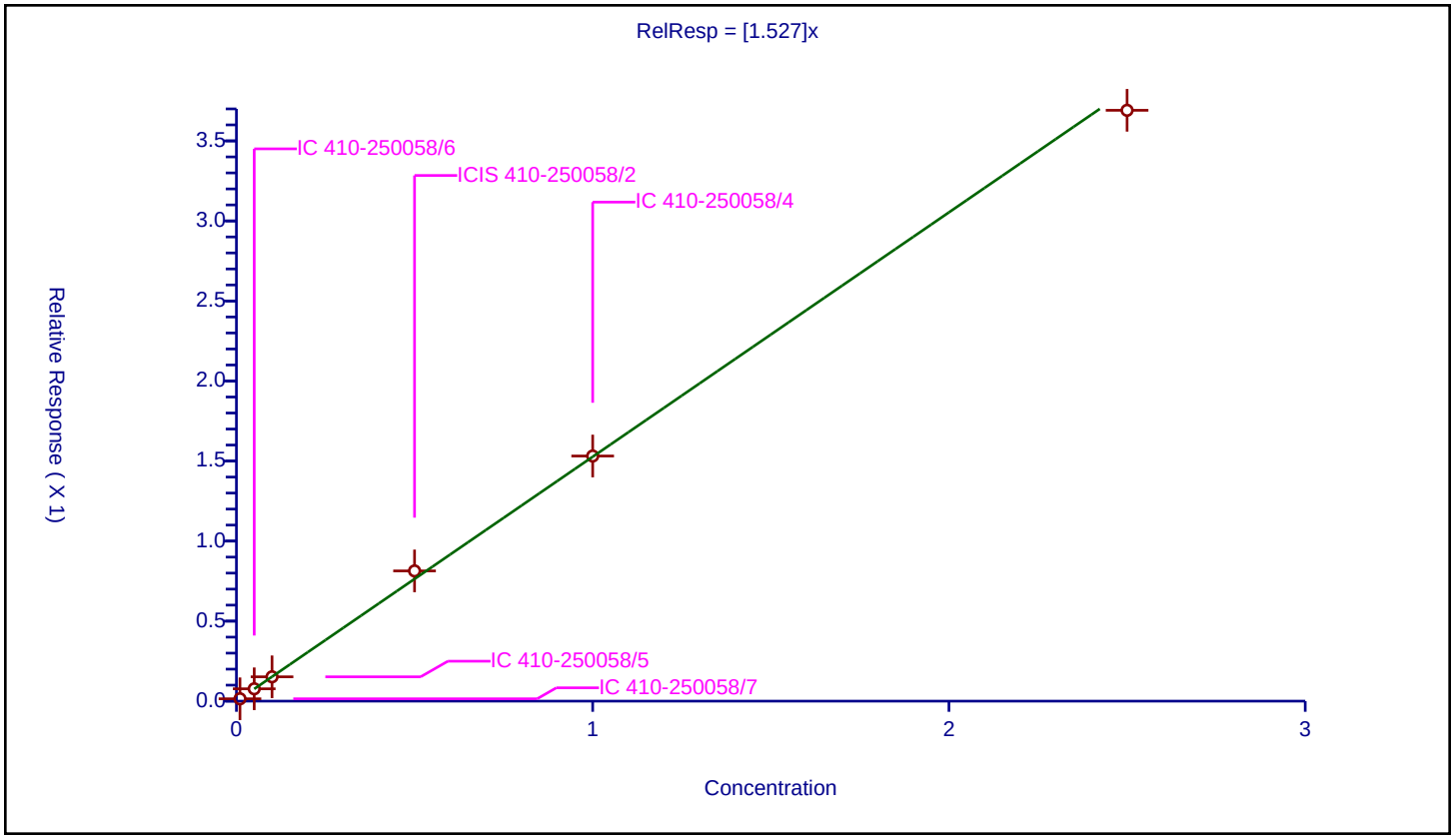
Curve Coefficients

Intercept:	0
Slope:	1.527

Error Coefficients

Standard Error:	803000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.014646	0.25	120729.0	1.464644	Y
2	IC 410-250058/6	0.05	0.077049	0.25	122295.0	1.540987	Y
3	IC 410-250058/5	0.1	0.151995	0.25	123313.0	1.519953	Y
4	ICIS 410-250058/2	0.5	0.813648	0.25	113531.0	1.627296	Y
5	IC 410-250058/4	1.0	1.531383	0.25	113324.0	1.531383	Y
6	IC 410-250058/3	2.5	3.691148	0.25	109109.0	1.476459	Y



Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

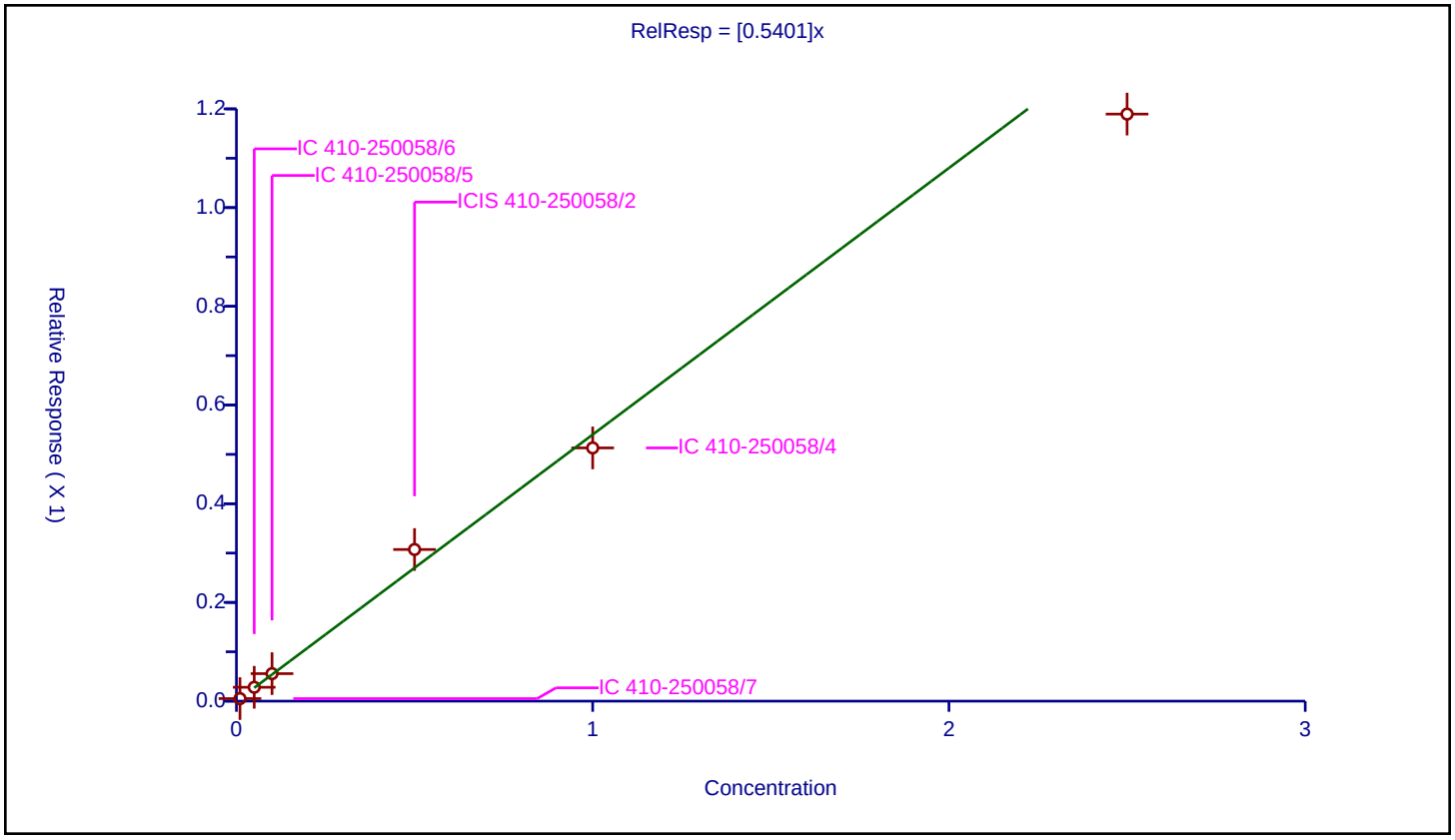
Curve Coefficients

Intercept:	0
Slope:	0.5401

Error Coefficients

Standard Error:	431000
Relative Standard Error:	8.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.005178	0.25	193847.0	0.517805	Y
2	IC 410-250058/6	0.05	0.028105	0.25	199202.0	0.562093	Y
3	IC 410-250058/5	0.1	0.055732	0.25	202324.0	0.557324	Y
4	ICIS 410-250058/2	0.5	0.307266	0.25	179500.0	0.614532	Y
5	IC 410-250058/4	1.0	0.513095	0.25	182146.0	0.513095	Y
6	IC 410-250058/3	2.5	1.189479	0.25	180318.0	0.475792	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

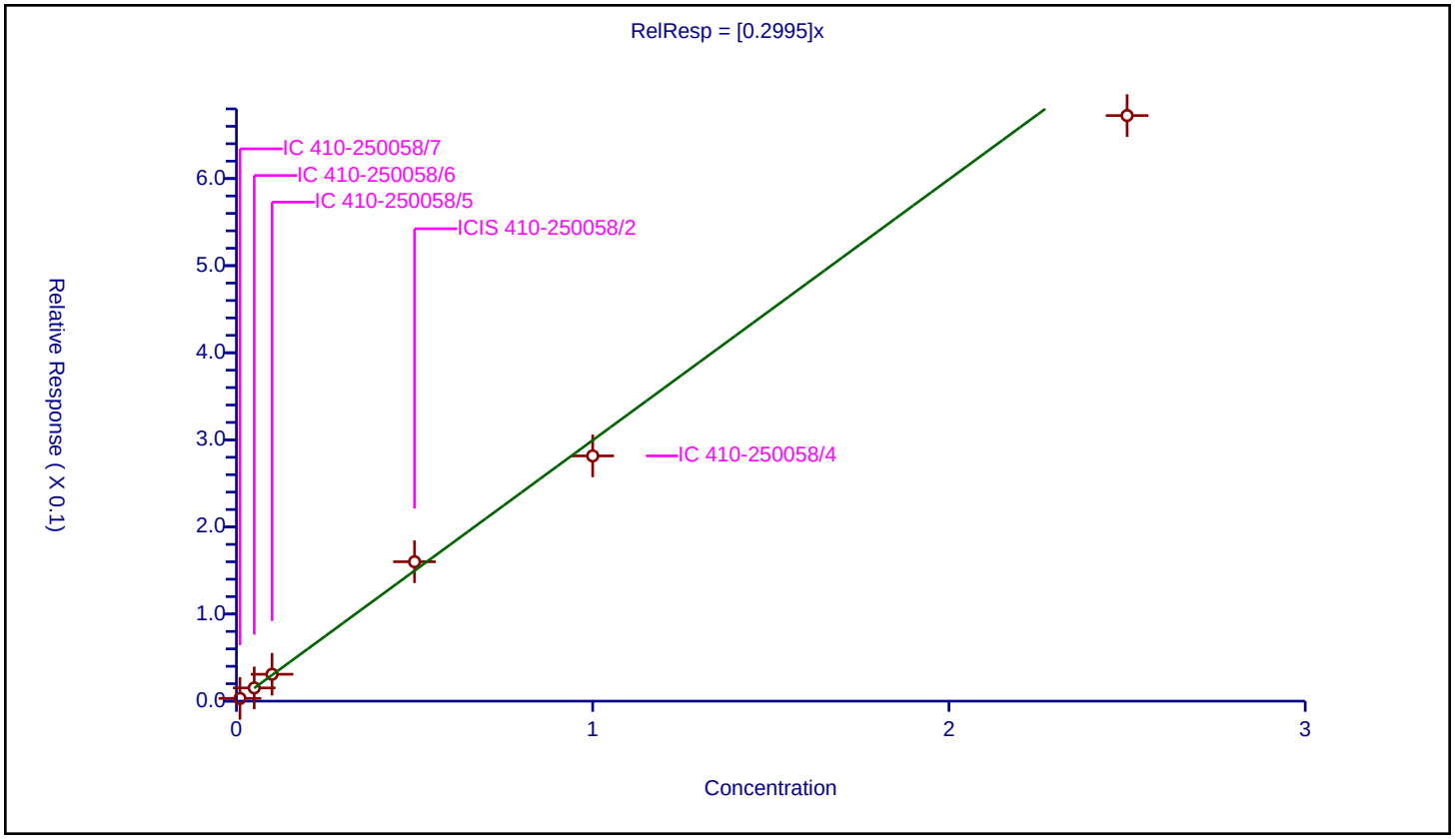
Curve Coefficients

Intercept:	0
Slope:	0.2995

Error Coefficients

Standard Error:	241000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.003142	0.25	193847.0	0.314165	Y
2	IC 410-250058/6	0.05	0.015178	0.25	199202.0	0.303561	Y
3	IC 410-250058/5	0.1	0.030885	0.25	202324.0	0.308849	Y
4	ICIS 410-250058/2	0.5	0.160029	0.25	179500.0	0.320058	Y
5	IC 410-250058/4	1.0	0.281571	0.25	182146.0	0.281571	Y
6	IC 410-250058/3	2.5	0.672332	0.25	180318.0	0.268933	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

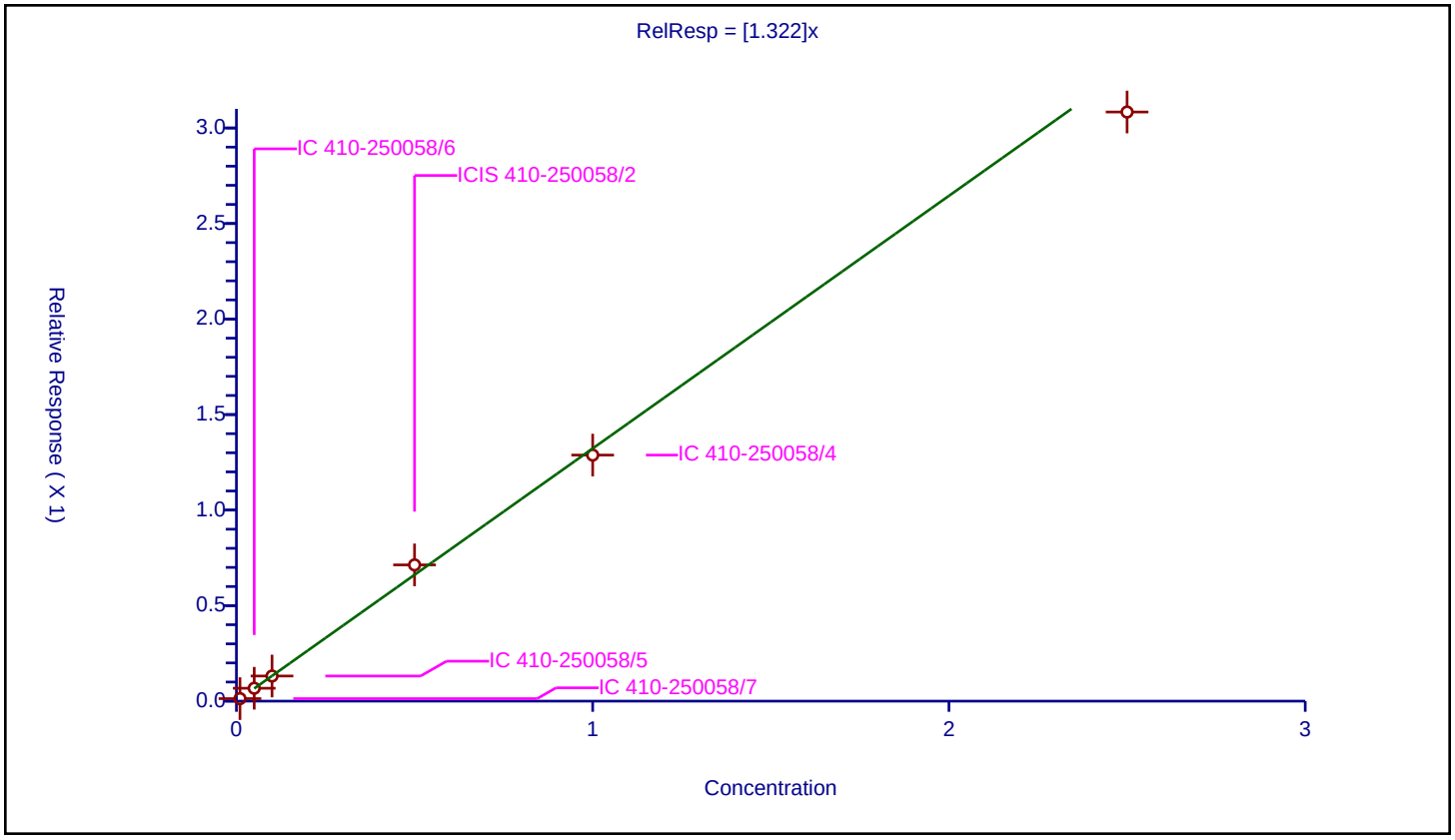
Curve Coefficients

Intercept:	0
Slope:	1.322

Error Coefficients

Standard Error:	1100000
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 410-250058/7	0.01	0.013219	0.25	193847.0	1.321919	Y
2	IC 410-250058/6	0.05	0.067511	0.25	199202.0	1.350212	Y
3	IC 410-250058/5	0.1	0.131524	0.25	202324.0	1.315242	Y
4	ICIS 410-250058/2	0.5	0.713085	0.25	179500.0	1.42617	Y
5	IC 410-250058/4	1.0	1.287893	0.25	182146.0	1.287893	Y
6	IC 410-250058/3	2.5	3.083731	0.25	180318.0	1.233492	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

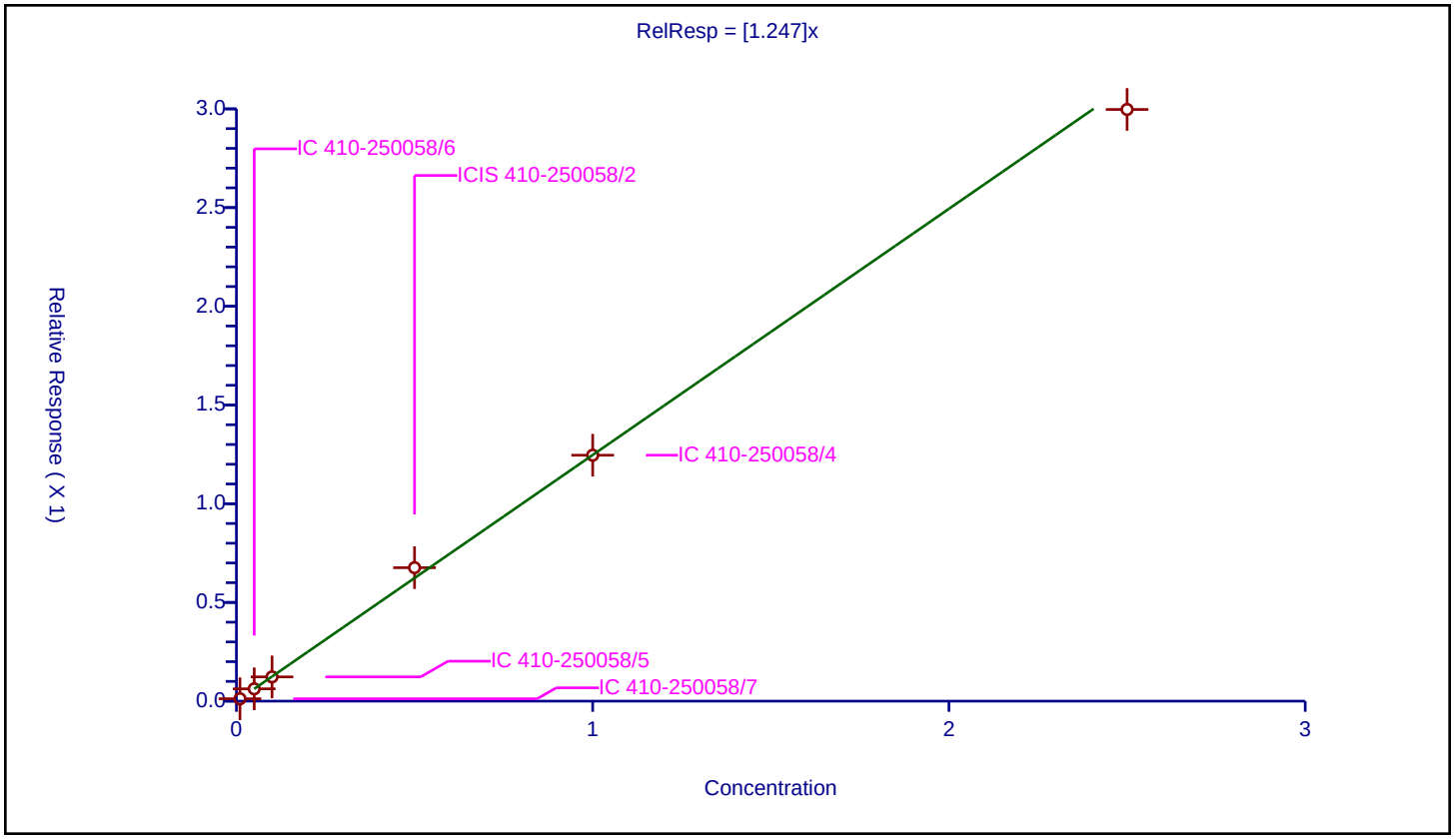
Curve Coefficients

Intercept:	0
Slope:	1.247

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.012089	0.25	193847.0	1.208943	Y
2	IC 410-250058/6	0.05	0.062399	0.25	199202.0	1.247979	Y
3	IC 410-250058/5	0.1	0.122823	0.25	202324.0	1.228228	Y
4	ICIS 410-250058/2	0.5	0.675997	0.25	179500.0	1.351994	Y
5	IC 410-250058/4	1.0	1.245696	0.25	182146.0	1.245696	Y
6	IC 410-250058/3	2.5	2.997048	0.25	180318.0	1.198819	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

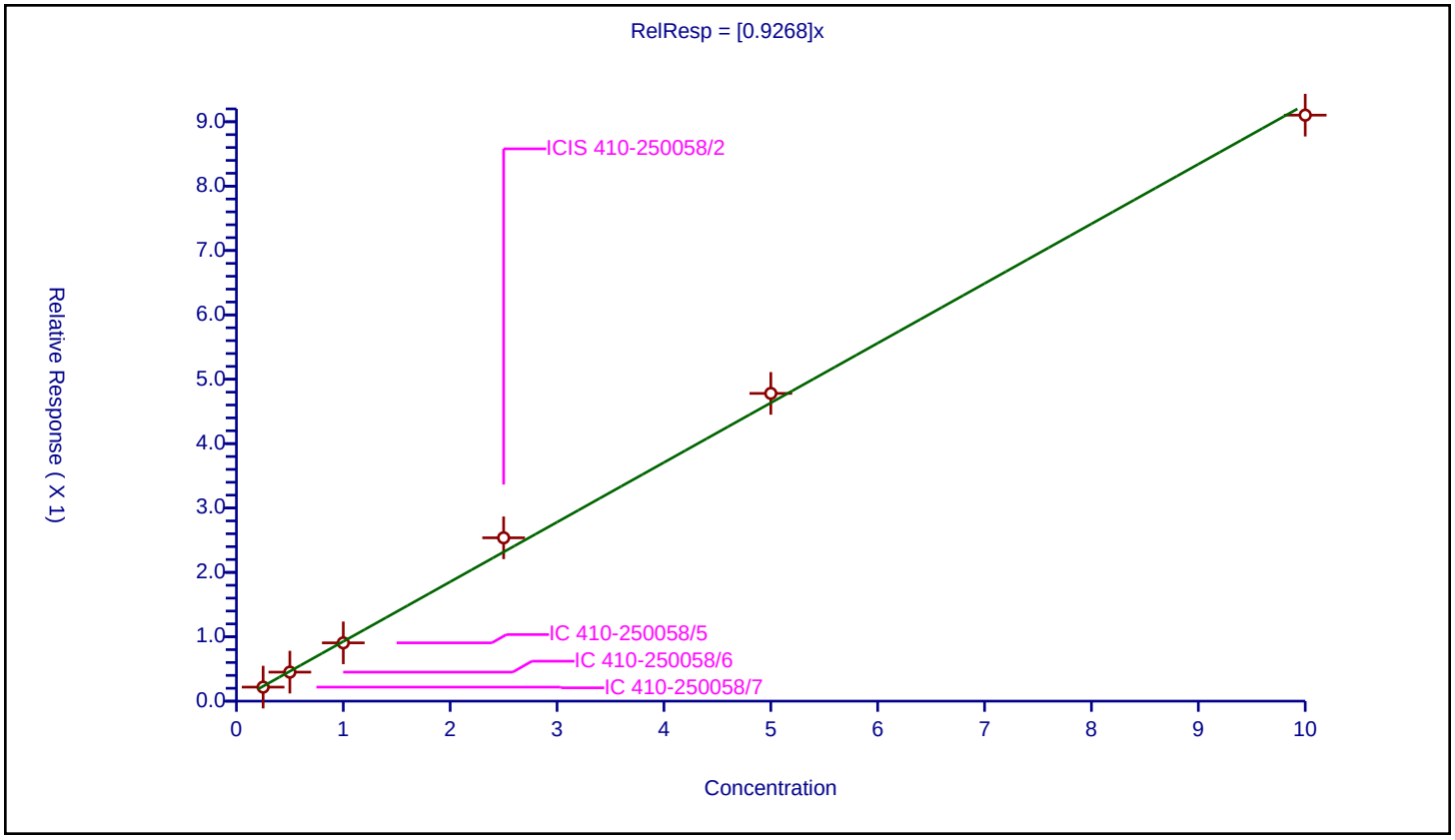
Curve Coefficients

Intercept:	0
Slope:	0.9268

Error Coefficients

Standard Error:	3440000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.217989	0.25	193847.0	0.871956	Y
2	IC 410-250058/6	0.5	0.45093	0.25	199202.0	0.901861	Y
3	IC 410-250058/5	1.0	0.905528	0.25	202324.0	0.905528	Y
4	ICIS 410-250058/2	2.5	2.53716	0.25	179500.0	1.014864	Y
5	IC 410-250058/4	5.0	4.780668	0.25	182146.0	0.956134	Y
6	IC 410-250058/3	10.0	9.102759	0.25	180318.0	0.910276	Y



Calibration / Fluoranthene-d10 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

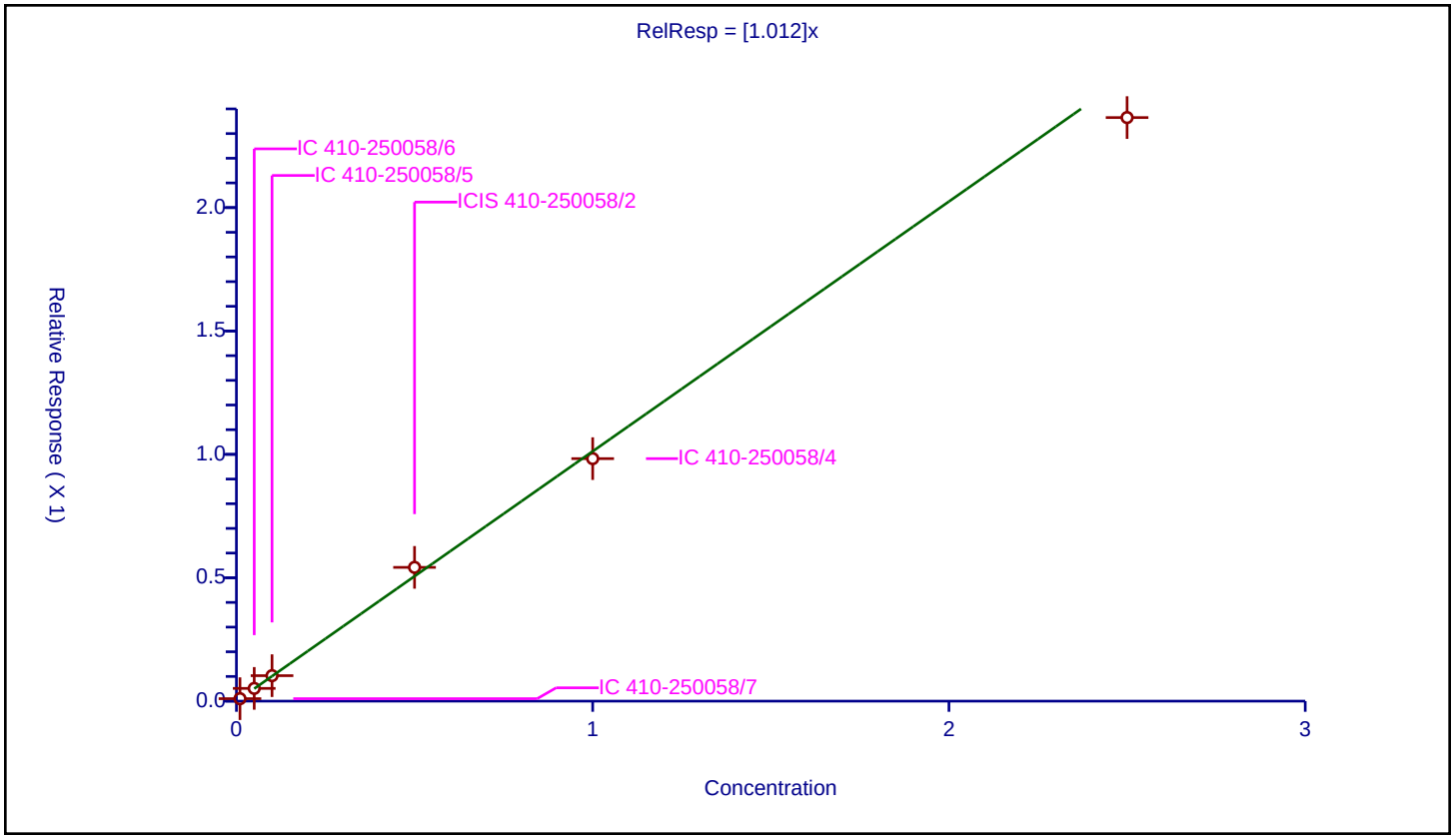
Curve Coefficients

Intercept:	0
Slope:	1.012

Error Coefficients

Standard Error:	846000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.009968	0.25	193847.0	0.996791	Y
2	IC 410-250058/6	0.05	0.051611	0.25	199202.0	1.032219	Y
3	IC 410-250058/5	0.1	0.103185	0.25	202324.0	1.031847	Y
4	ICIS 410-250058/2	0.5	0.542111	0.25	179500.0	1.084223	Y
5	IC 410-250058/4	1.0	0.98274	0.25	182146.0	0.98274	Y
6	IC 410-250058/3	2.5	2.364846	0.25	180318.0	0.945938	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

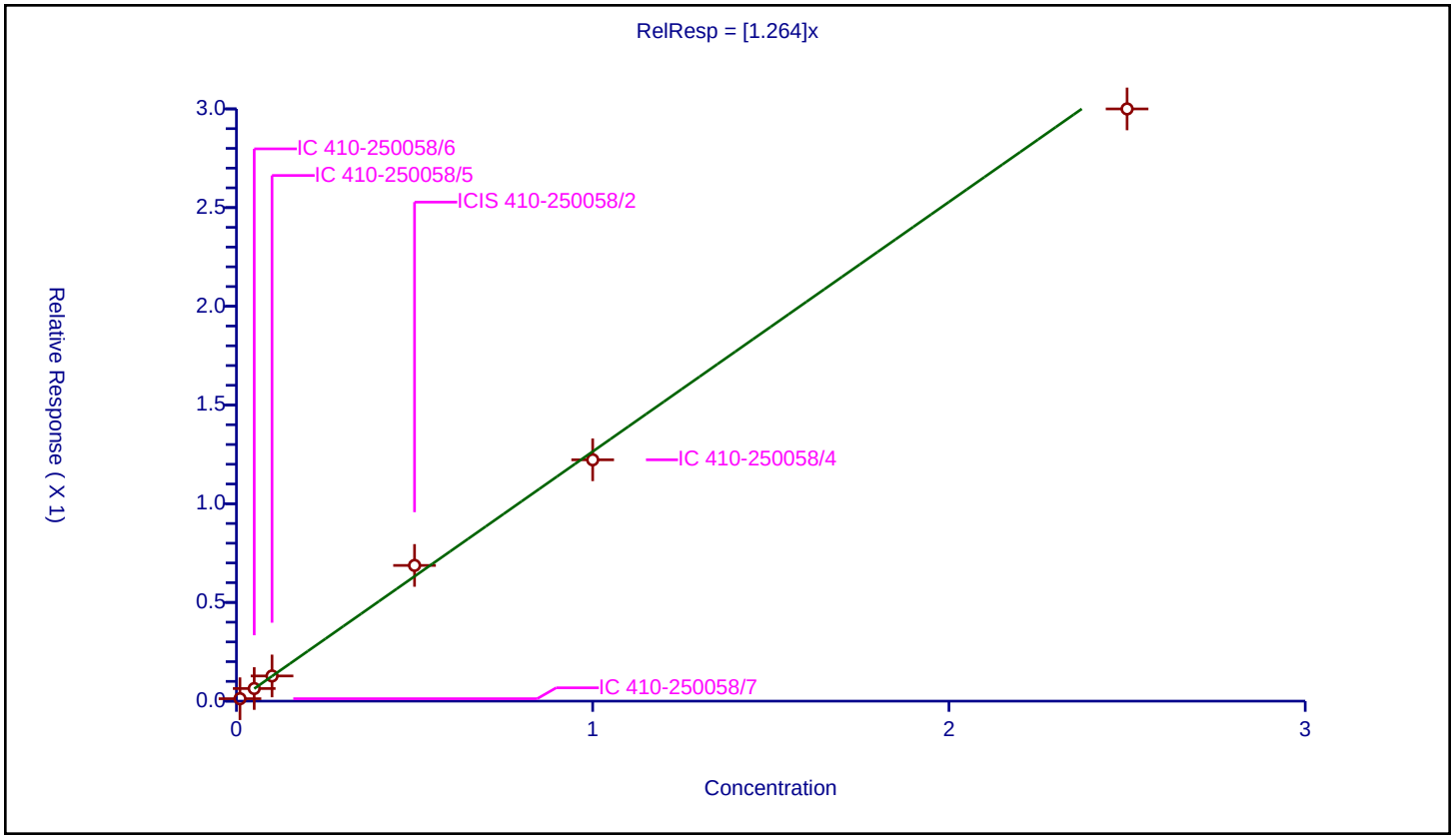
Curve Coefficients

Intercept:	0
Slope:	1.264

Error Coefficients

Standard Error:	1070000
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 410-250058/7	0.01	0.012354	0.25	193847.0	1.235382	Y
2	IC 410-250058/6	0.05	0.06388	0.25	199202.0	1.277598	Y
3	IC 410-250058/5	0.1	0.127548	0.25	202324.0	1.275479	Y
4	ICIS 410-250058/2	0.5	0.687469	0.25	179500.0	1.374939	Y
5	IC 410-250058/4	1.0	1.222525	0.25	182146.0	1.222525	Y
6	IC 410-250058/3	2.5	2.999906	0.25	180318.0	1.199962	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

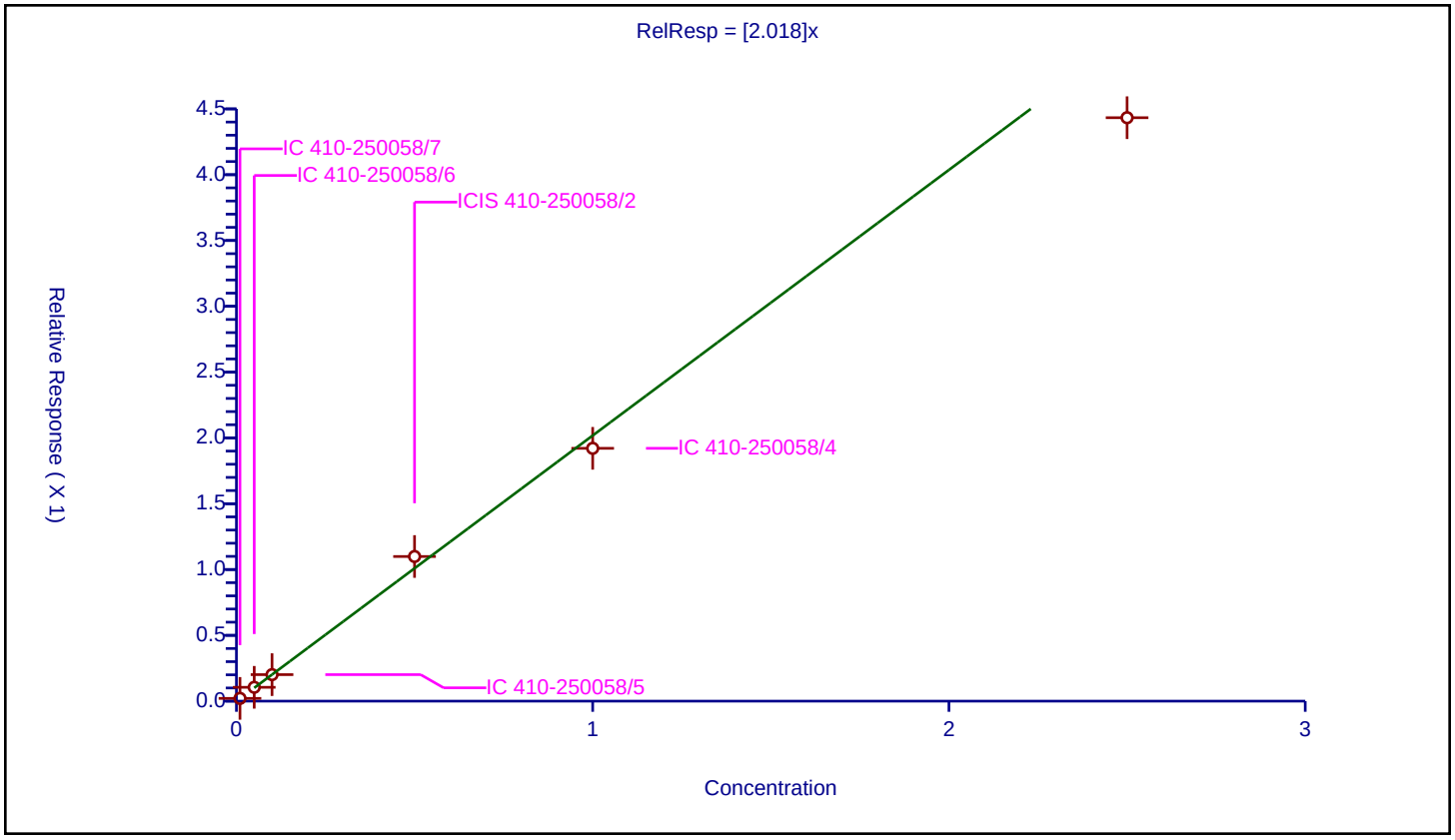
Curve Coefficients

Intercept:	0
Slope:	2.018

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.020986	0.25	120900.0	2.098635	Y
2	IC 410-250058/6	0.05	0.105214	0.25	129059.0	2.10427	Y
3	IC 410-250058/5	0.1	0.20142	0.25	130933.0	2.014198	Y
4	ICIS 410-250058/2	0.5	1.098998	0.25	121833.0	2.197996	Y
5	IC 410-250058/4	1.0	1.920933	0.25	122419.0	1.920933	Y
6	IC 410-250058/3	2.5	4.433034	0.25	126470.0	1.773213	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

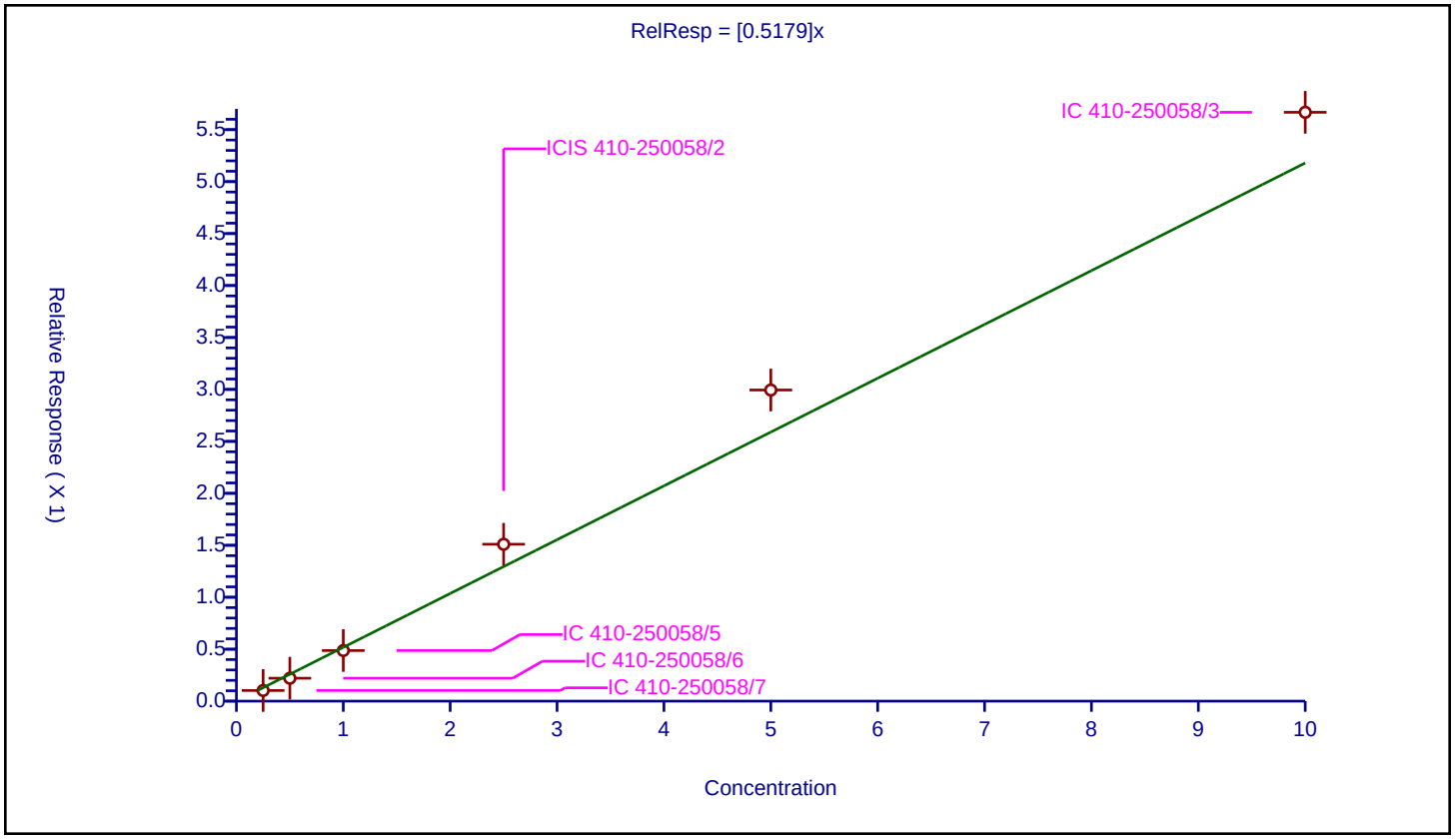
Curve Coefficients

Intercept:	0
Slope:	0.5179

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	16.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.102481	0.25	120900.0	0.409926	Y
2	IC 410-250058/6	0.5	0.220645	0.25	129059.0	0.44129	Y
3	IC 410-250058/5	1.0	0.486852	0.25	130933.0	0.486852	Y
4	ICIS 410-250058/2	2.5	1.509815	0.25	121833.0	0.603926	Y
5	IC 410-250058/4	5.0	2.994251	0.25	122419.0	0.59885	Y
6	IC 410-250058/3	10.0	5.667093	0.25	126470.0	0.566709	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

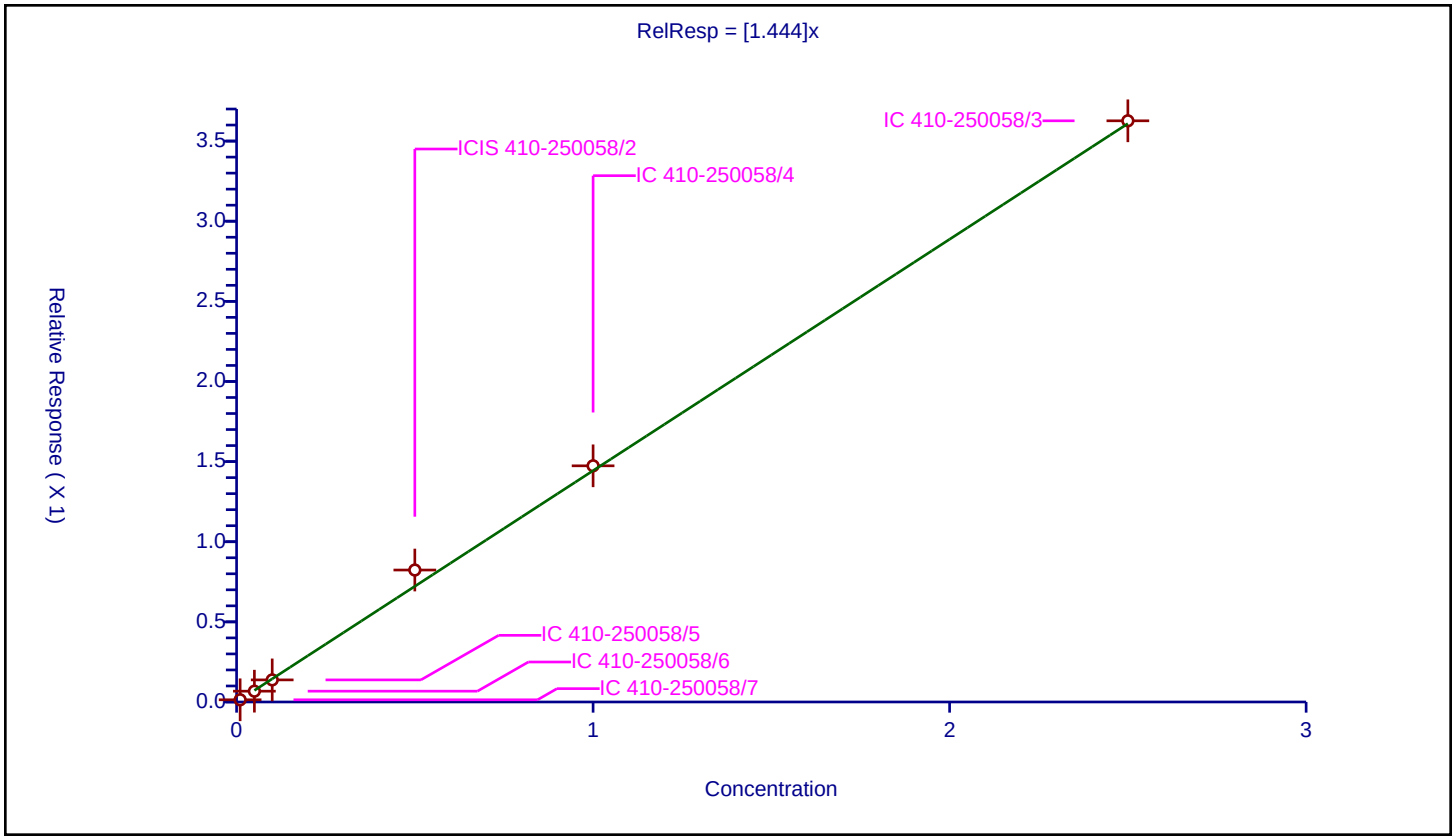
Curve Coefficients

Intercept:	0
Slope:	1.444

Error Coefficients

Standard Error:	900000
Relative Standard Error:	7.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.013646	0.25	120900.0	1.364557	Y
2	IC 410-250058/6	0.05	0.067392	0.25	129059.0	1.347833	Y
3	IC 410-250058/5	0.1	0.137803	0.25	130933.0	1.378033	Y
4	ICIS 410-250058/2	0.5	0.82333	0.25	121833.0	1.64666	Y
5	IC 410-250058/4	1.0	1.473713	0.25	122419.0	1.473713	Y
6	IC 410-250058/3	2.5	3.626378	0.25	126470.0	1.450551	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

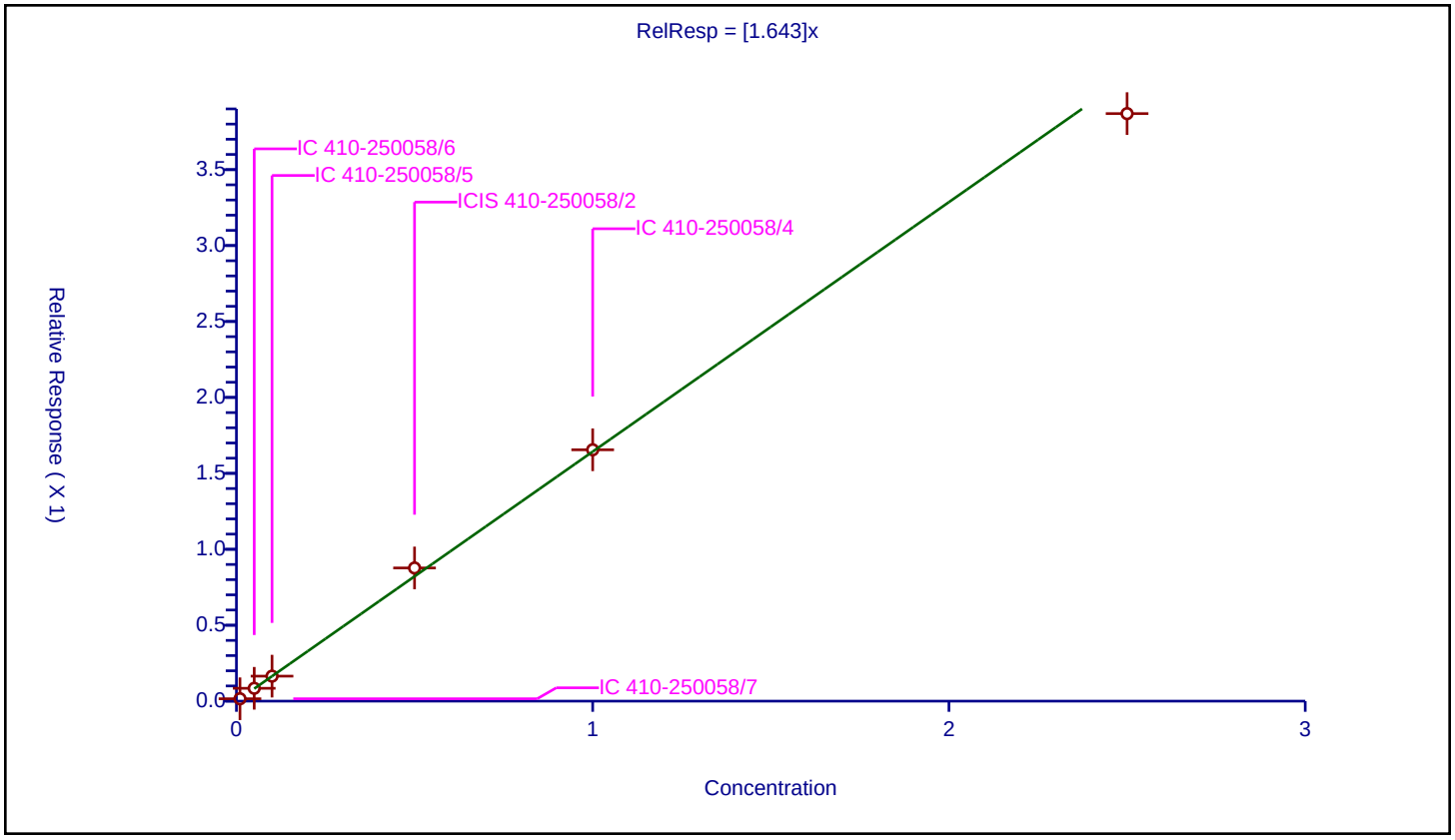
Curve Coefficients

Intercept:	0
Slope:	1.643

Error Coefficients

Standard Error:	967000
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 410-250058/7	0.01	0.015633	0.25	120900.0	1.563275	Y
2	IC 410-250058/6	0.05	0.084566	0.25	129059.0	1.691319	Y
3	IC 410-250058/5	0.1	0.164683	0.25	130933.0	1.646835	Y
4	ICIS 410-250058/2	0.5	0.877002	0.25	121833.0	1.754003	Y
5	IC 410-250058/4	1.0	1.65517	0.25	122419.0	1.65517	Y
6	IC 410-250058/3	2.5	3.869008	0.25	126470.0	1.547603	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

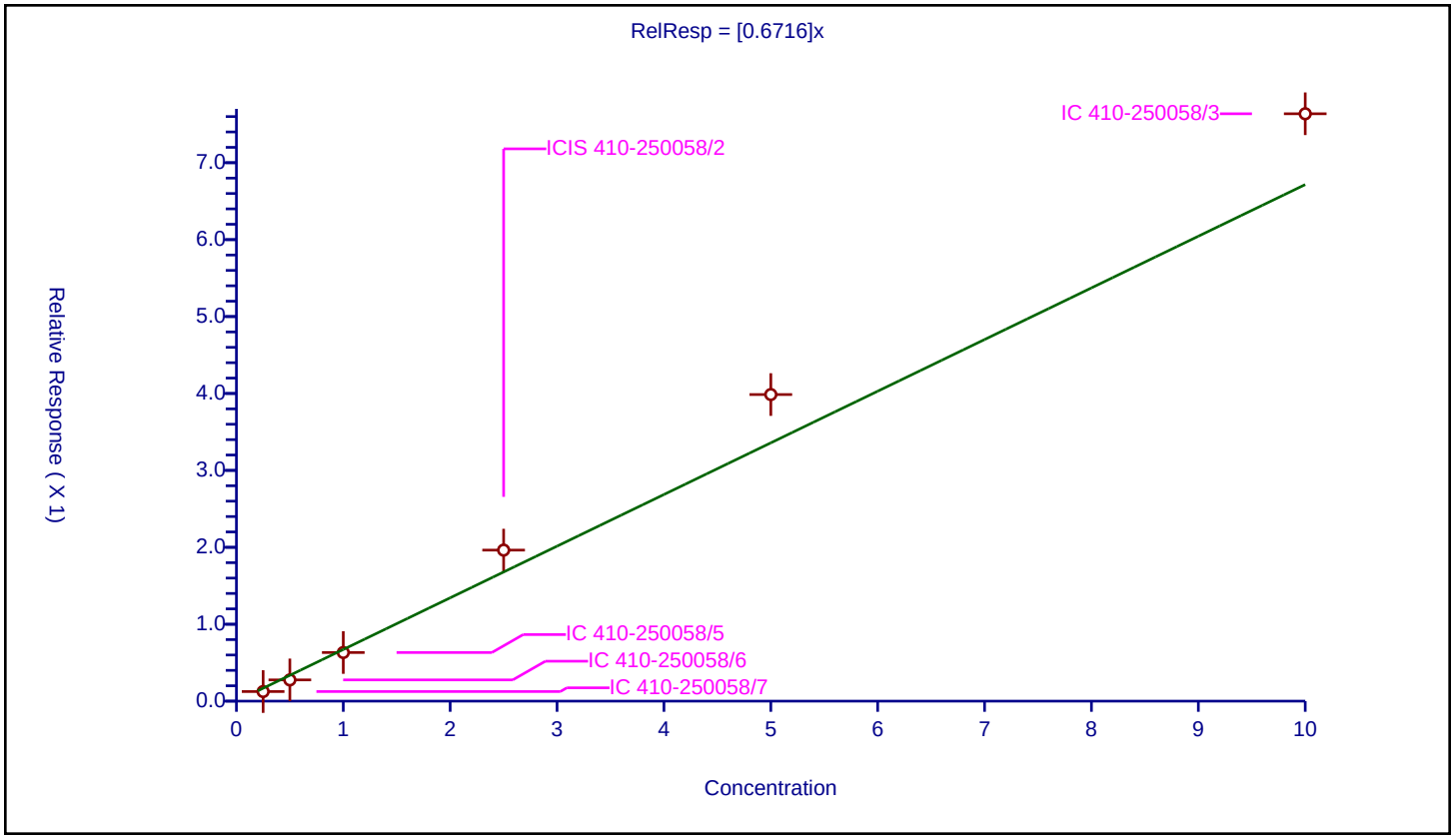
Curve Coefficients

Intercept:	0
Slope:	0.6716

Error Coefficients

Standard Error:	1990000
Relative Standard Error:	19.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.124729	0.25	120900.0	0.498916	Y
2	IC 410-250058/6	0.5	0.27613	0.25	129059.0	0.552259	Y
3	IC 410-250058/5	1.0	0.632043	0.25	130933.0	0.632043	Y
4	ICIS 410-250058/2	2.5	1.963651	0.25	121833.0	0.78546	Y
5	IC 410-250058/4	5.0	3.98623	0.25	122419.0	0.797246	Y
6	IC 410-250058/3	10.0	7.636457	0.25	126470.0	0.763646	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

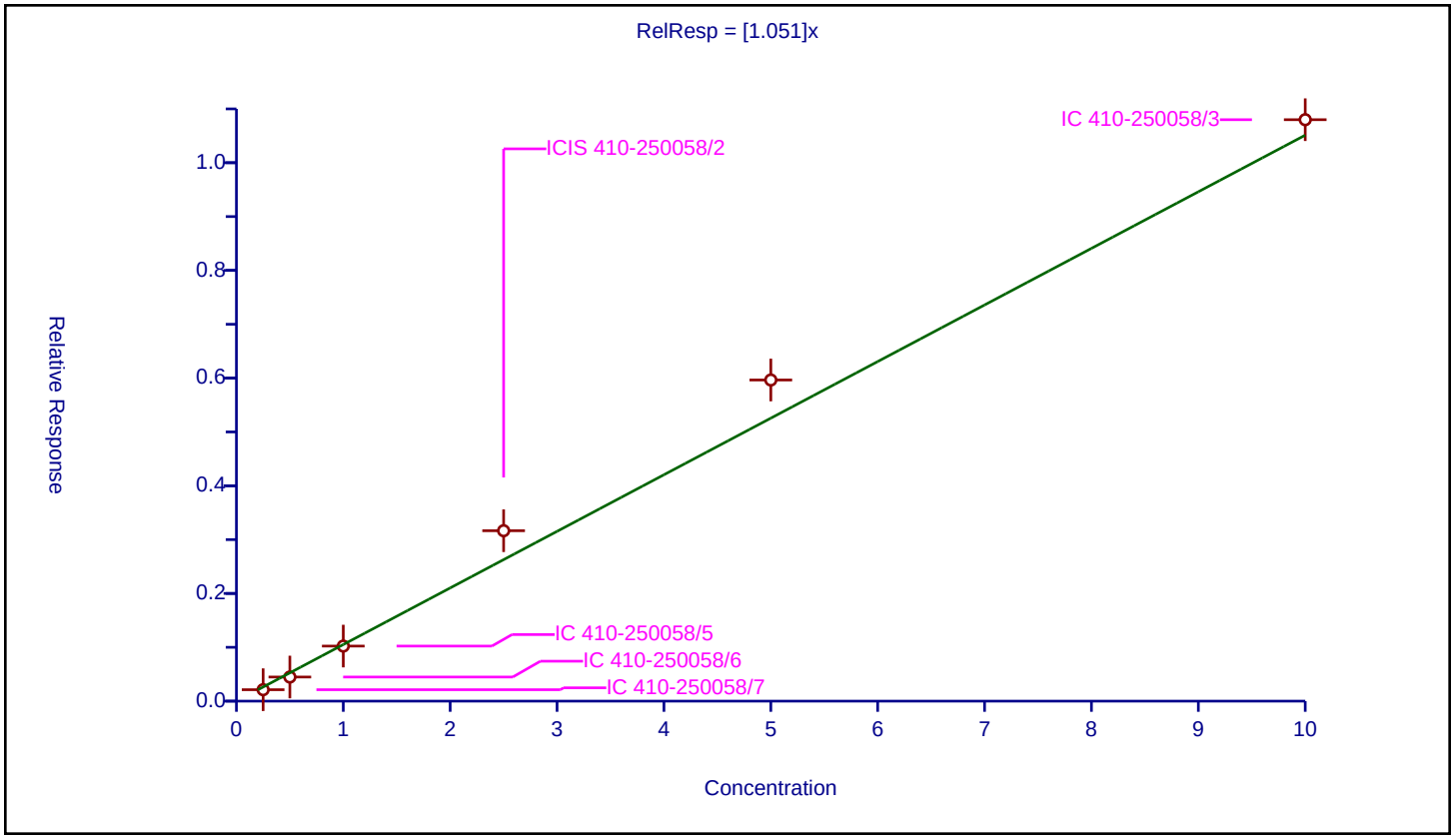
Curve Coefficients

Intercept:	0
Slope:	1.051

Error Coefficients

Standard Error:	3300000
Relative Standard Error:	15.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.212522	0.25	105556.0	0.850089	Y
2	IC 410-250058/6	0.5	0.447756	0.25	114821.0	0.895511	Y
3	IC 410-250058/5	1.0	1.022576	0.25	120414.0	1.022576	Y
4	ICIS 410-250058/2	2.5	3.165073	0.25	122702.0	1.266029	Y
5	IC 410-250058/4	5.0	5.96466	0.25	134197.0	1.192932	Y
6	IC 410-250058/3	10.0	10.799204	0.25	149367.0	1.07992	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

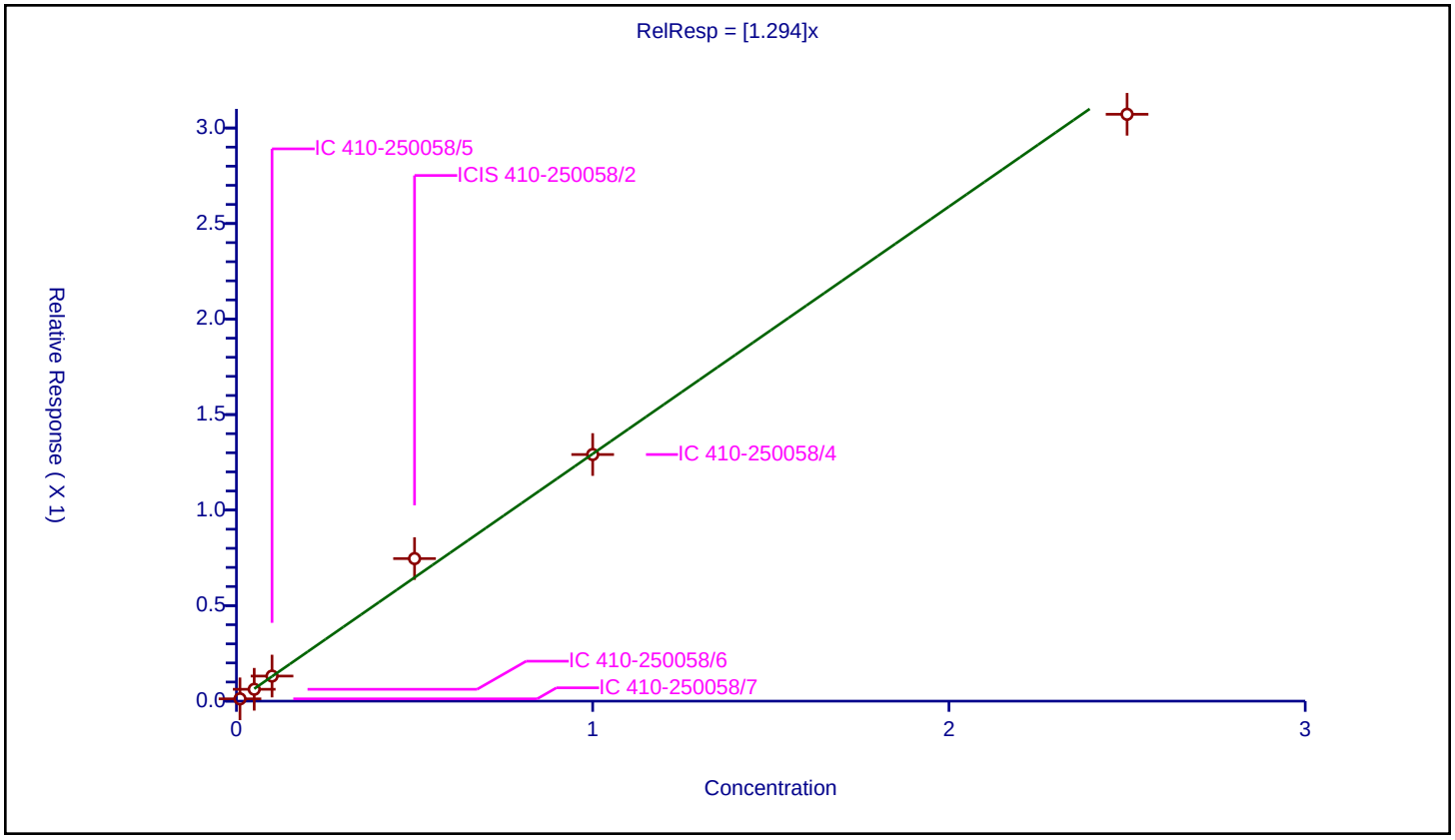
Curve Coefficients

Intercept:	0
Slope:	1.294

Error Coefficients

Standard Error:	893000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.011989	0.25	105556.0	1.19889	Y
2	IC 410-250058/6	0.05	0.062101	0.25	114821.0	1.24202	Y
3	IC 410-250058/5	0.1	0.131299	0.25	120414.0	1.312991	Y
4	ICIS 410-250058/2	0.5	0.746137	0.25	122702.0	1.492274	Y
5	IC 410-250058/4	1.0	1.290865	0.25	134197.0	1.290865	Y
6	IC 410-250058/3	2.5	3.071816	0.25	149367.0	1.228727	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

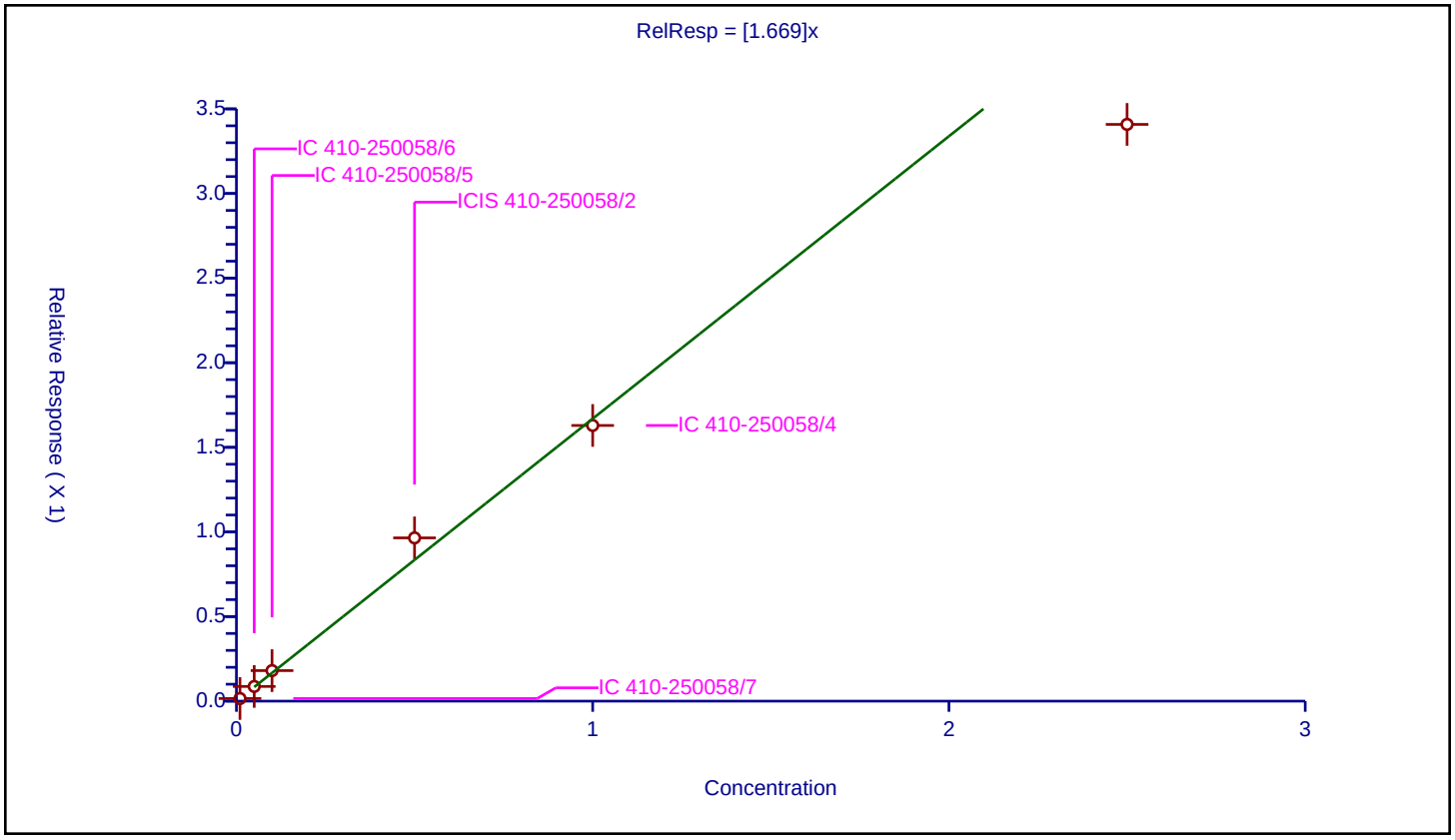
Curve Coefficients

Intercept:	0
Slope:	1.669

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	11.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.015534	0.25	105556.0	1.553441	Y
2	IC 410-250058/6	0.05	0.086779	0.25	114821.0	1.735571	Y
3	IC 410-250058/5	0.1	0.18039	0.25	120414.0	1.803902	Y
4	ICIS 410-250058/2	0.5	0.964805	0.25	122702.0	1.92961	Y
5	IC 410-250058/4	1.0	1.629157	0.25	134197.0	1.629157	Y
6	IC 410-250058/3	2.5	3.408405	0.25	149367.0	1.363362	Y



Calibration / Benzo[e]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

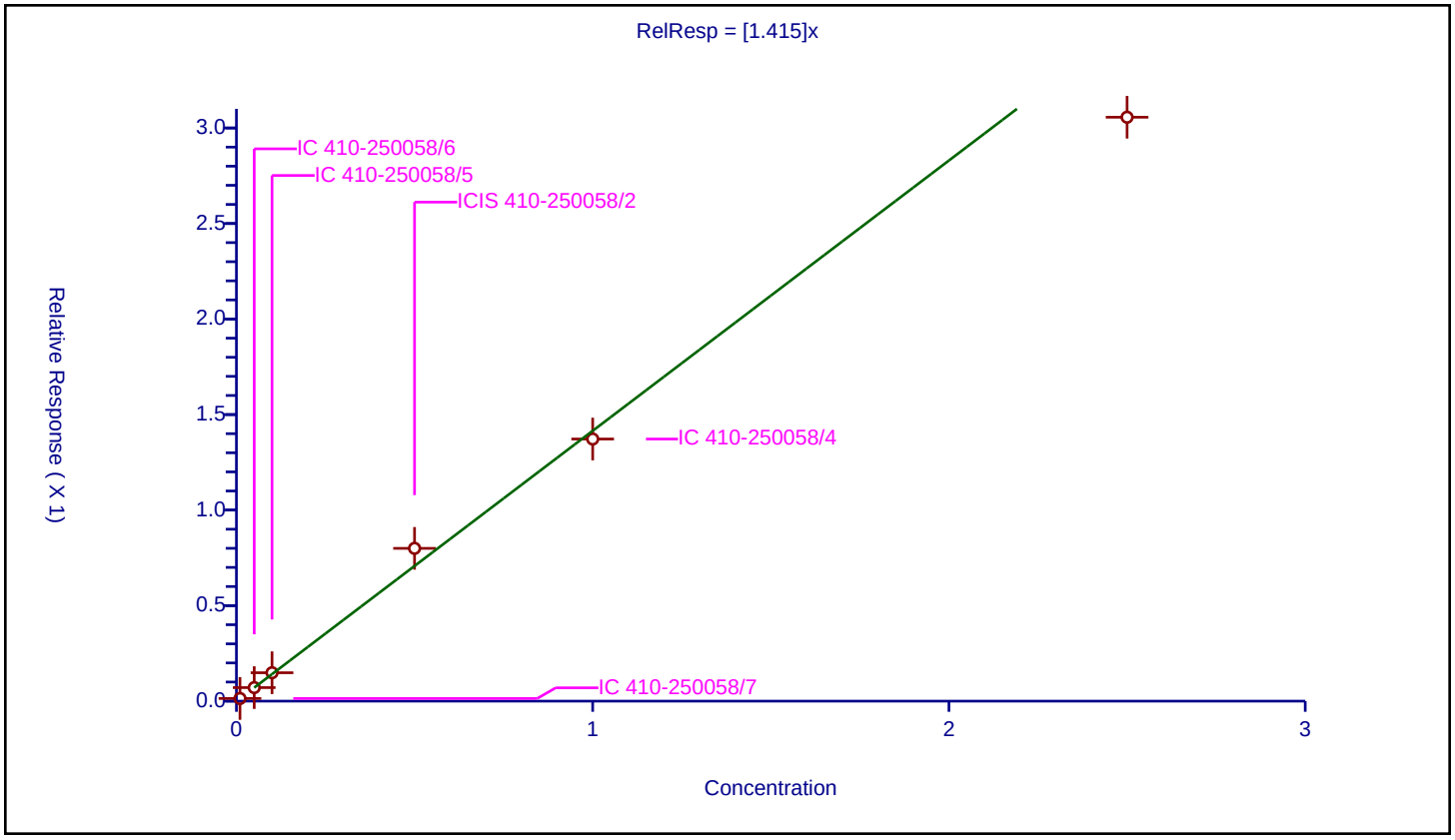
Curve Coefficients

Intercept:	0
Slope:	1.415

Error Coefficients

Standard Error:	899000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.013917	0.25	105556.0	1.391678	Y
2	IC 410-250058/6	0.05	0.070836	0.25	114821.0	1.416727	Y
3	IC 410-250058/5	0.1	0.14872	0.25	120414.0	1.487202	Y
4	ICIS 410-250058/2	0.5	0.799712	0.25	122702.0	1.599424	Y
5	IC 410-250058/4	1.0	1.372054	0.25	134197.0	1.372054	Y
6	IC 410-250058/3	2.5	3.056411	0.25	149367.0	1.222565	Y



Calibration / Benzo(a)pyrene-d12 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

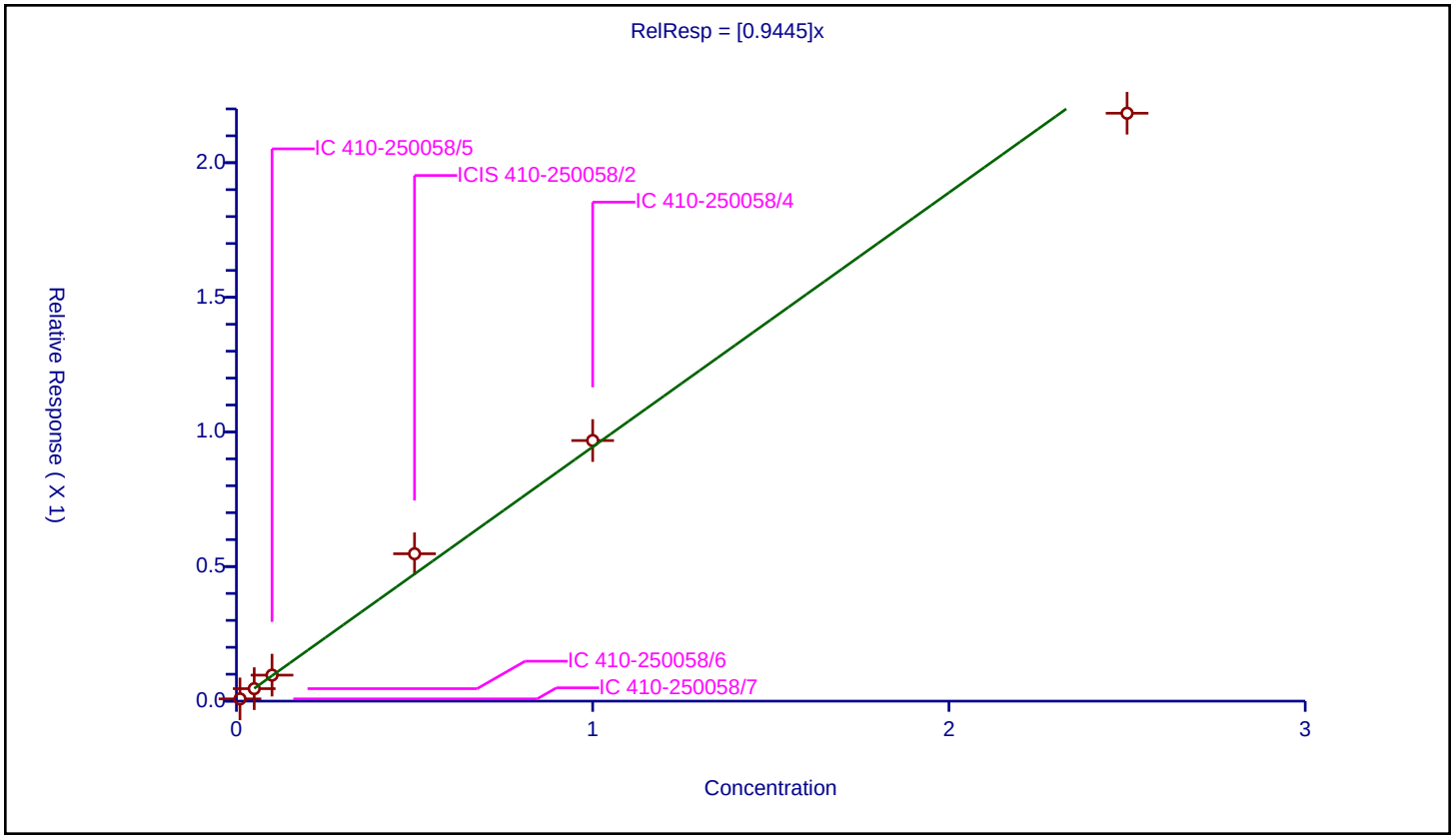
Curve Coefficients

Intercept:	0
Slope:	0.9445

Error Coefficients

Standard Error:	640000
Relative Standard Error:	9.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.008368	0.25	105556.0	0.83676	Y
2	IC 410-250058/6	0.05	0.046374	0.25	114821.0	0.927487	Y
3	IC 410-250058/5	0.1	0.096617	0.25	120414.0	0.966167	Y
4	ICIS 410-250058/2	0.5	0.547461	0.25	122702.0	1.094921	Y
5	IC 410-250058/4	1.0	0.968012	0.25	134197.0	0.968012	Y
6	IC 410-250058/3	2.5	2.183958	0.25	149367.0	0.873583	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

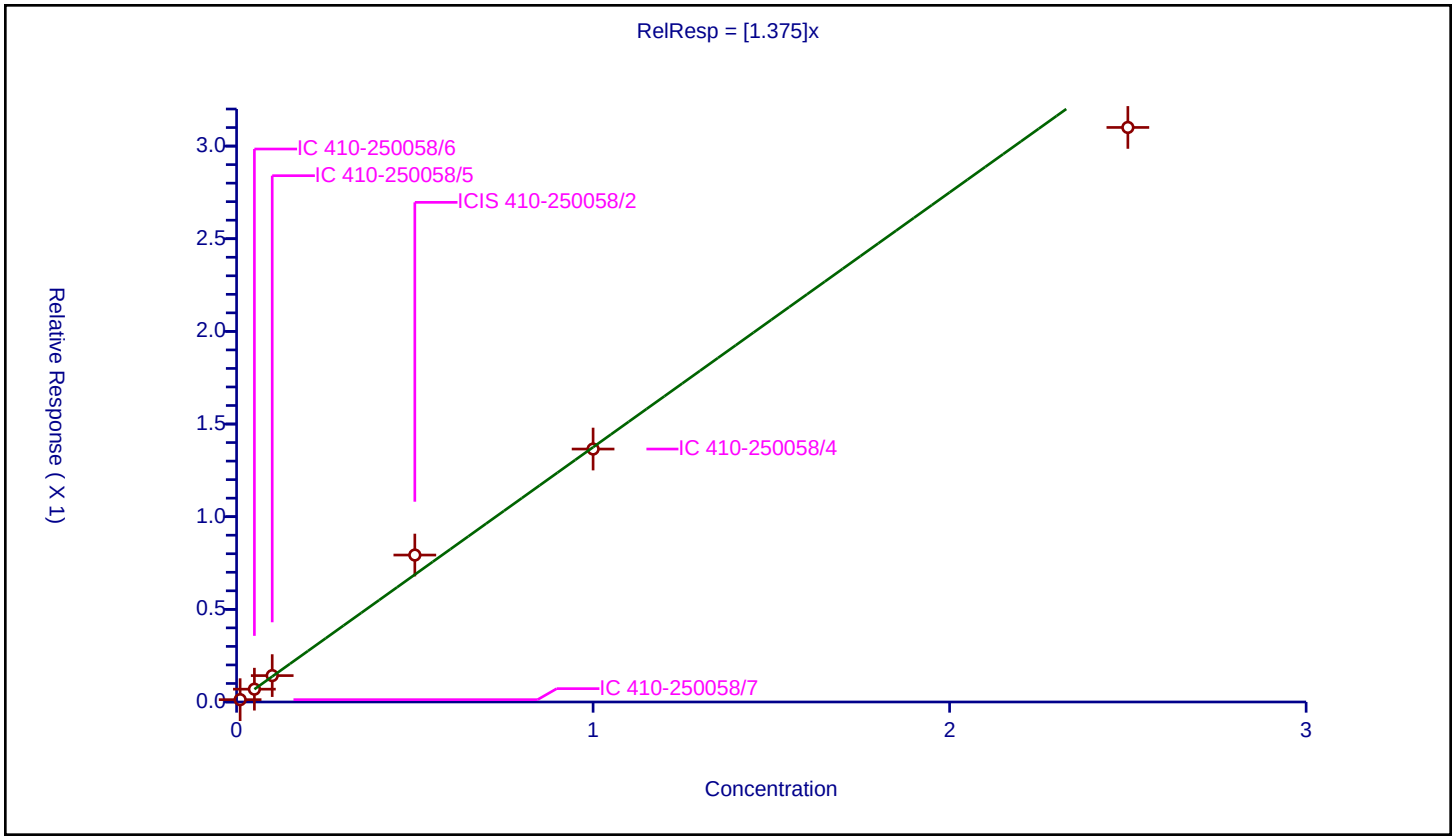
Curve Coefficients

Intercept:	0
Slope:	1.375

Error Coefficients

Standard Error:	908000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.012541	0.25	105556.0	1.254074	Y
2	IC 410-250058/6	0.05	0.069077	0.25	114821.0	1.381542	Y
3	IC 410-250058/5	0.1	0.142326	0.25	120414.0	1.423256	Y
4	ICIS 410-250058/2	0.5	0.792996	0.25	122702.0	1.585993	Y
5	IC 410-250058/4	1.0	1.365085	0.25	134197.0	1.365085	Y
6	IC 410-250058/3	2.5	3.100549	0.25	149367.0	1.24022	Y



Calibration / Perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

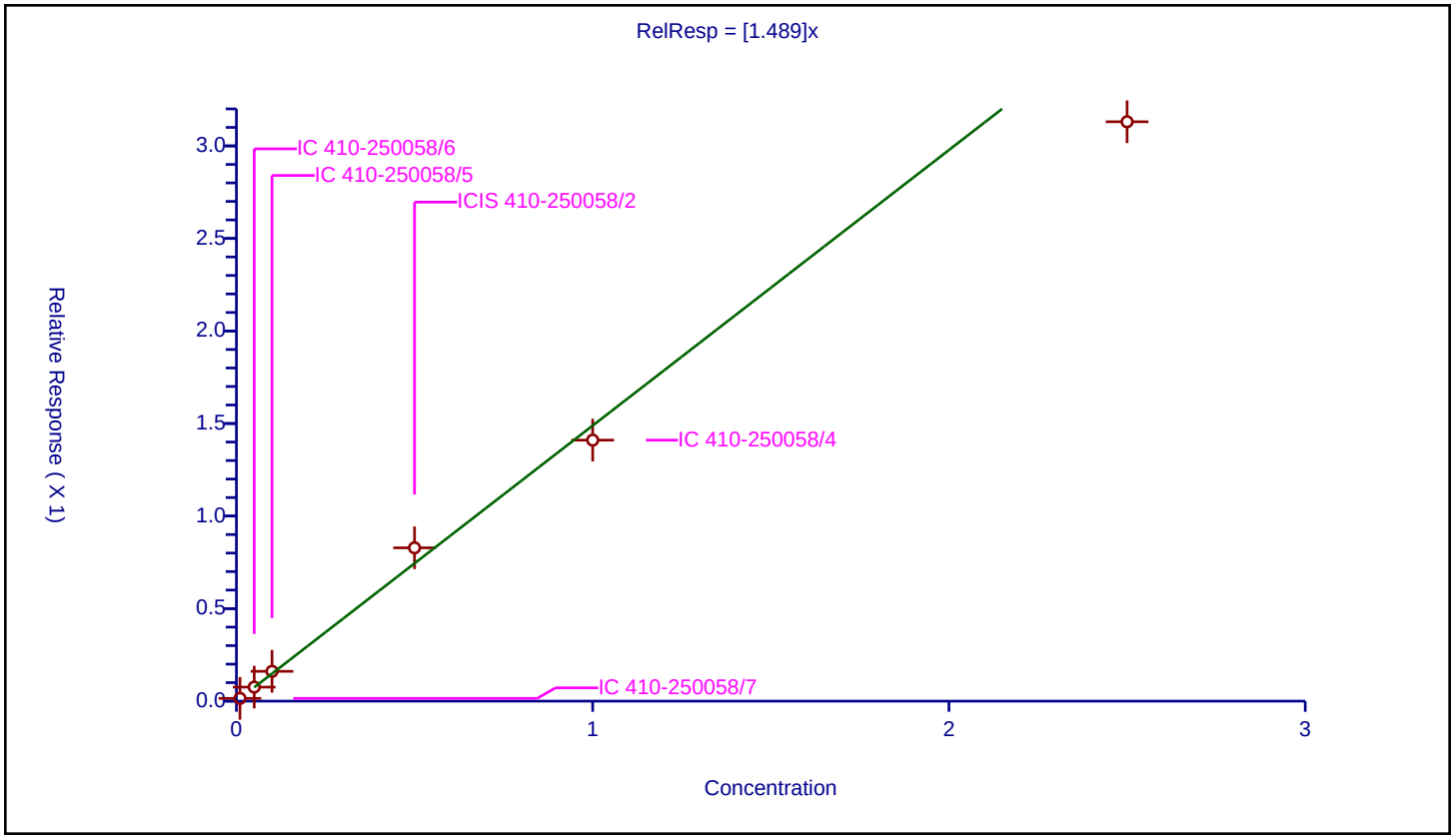
Curve Coefficients

Intercept:	0
Slope:	1.489

Error Coefficients

Standard Error:	921000
Relative Standard Error:	9.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.014862	0.25	105556.0	1.486178	Y
2	IC 410-250058/6	0.05	0.075814	0.25	114821.0	1.516273	Y
3	IC 410-250058/5	0.1	0.161148	0.25	120414.0	1.611482	Y
4	ICIS 410-250058/2	0.5	0.828432	0.25	122702.0	1.656864	Y
5	IC 410-250058/4	1.0	1.410279	0.25	134197.0	1.410279	Y
6	IC 410-250058/3	2.5	3.130482	0.25	149367.0	1.252193	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

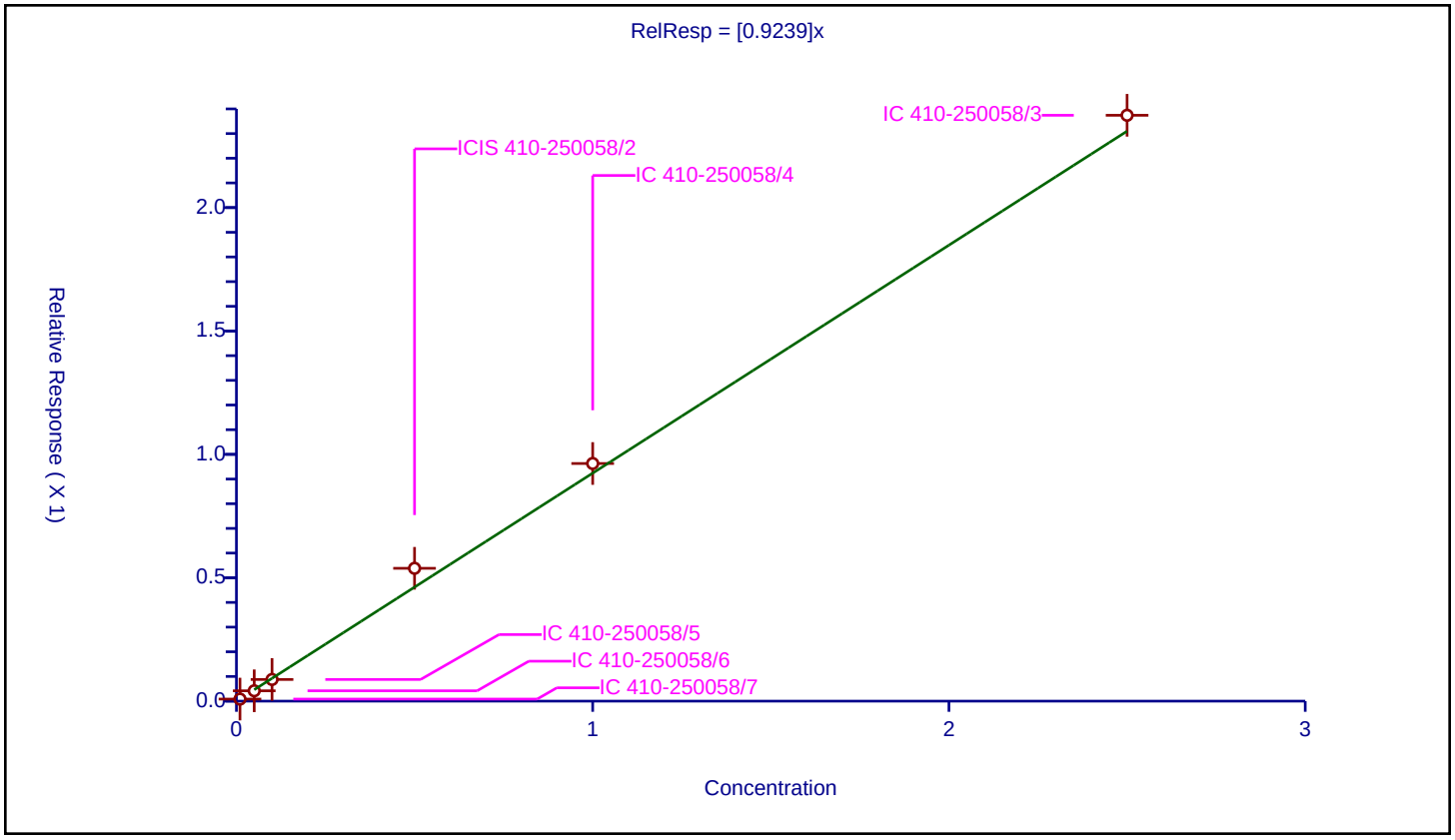
Curve Coefficients

Intercept:	0
Slope:	0.9239

Error Coefficients

Standard Error:	686000
Relative Standard Error:	10.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.008382	0.25	105556.0	0.838181	Y
2	IC 410-250058/6	0.05	0.0419	0.25	114821.0	0.838	Y
3	IC 410-250058/5	0.1	0.087795	0.25	120414.0	0.87795	Y
4	ICIS 410-250058/2	0.5	0.53828	0.25	122702.0	1.076559	Y
5	IC 410-250058/4	1.0	0.963032	0.25	134197.0	0.963032	Y
6	IC 410-250058/3	2.5	2.374097	0.25	149367.0	0.949639	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

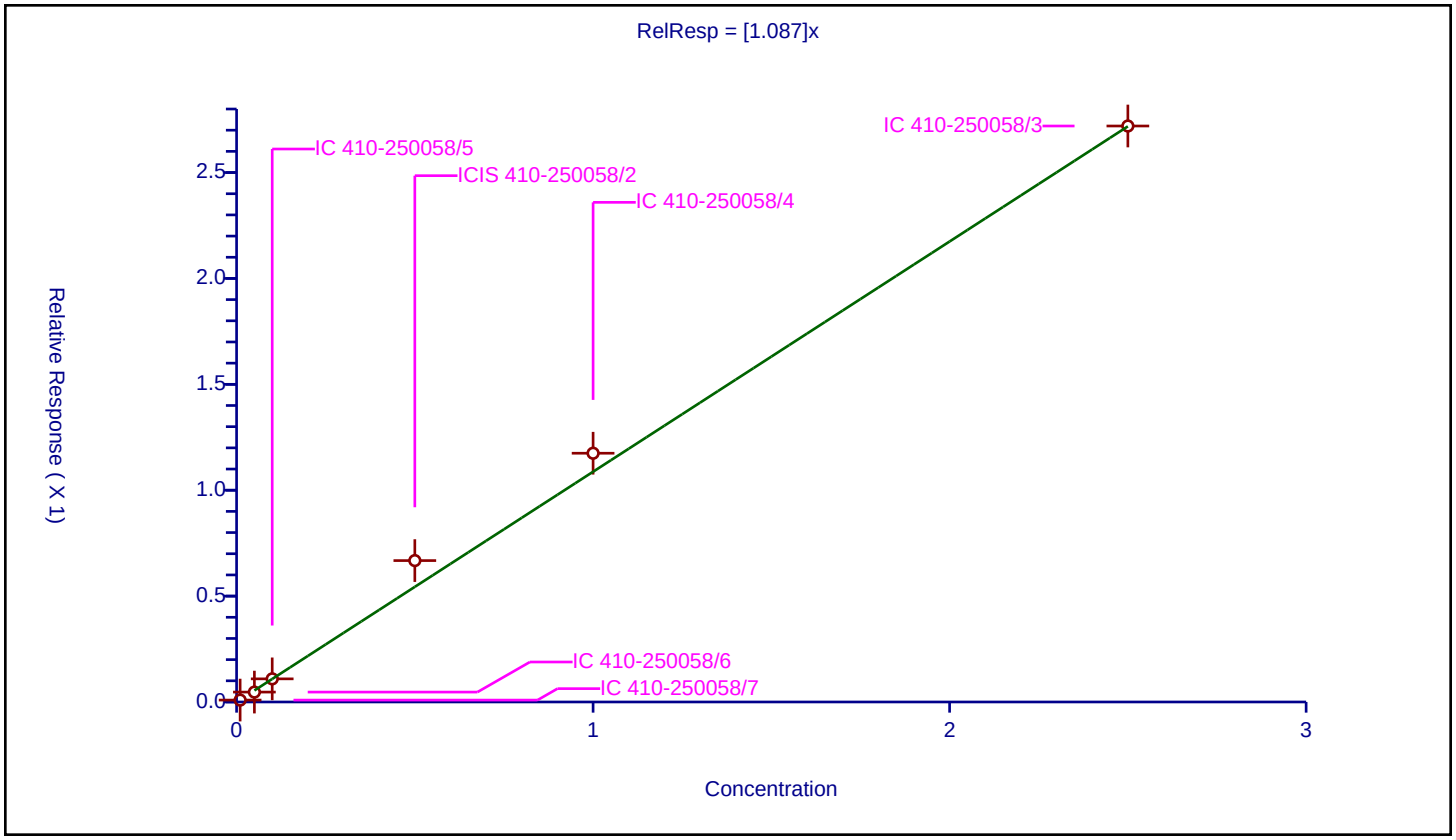
Curve Coefficients

Intercept:	0
Slope:	1.087

Error Coefficients

Standard Error:	794000
Relative Standard Error:	14.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.008981	0.25	105556.0	0.898101	Y
2	IC 410-250058/6	0.05	0.046764	0.25	114821.0	0.935282	Y
3	IC 410-250058/5	0.1	0.109213	0.25	120414.0	1.092128	Y
4	ICIS 410-250058/2	0.5	0.667679	0.25	122702.0	1.335357	Y
5	IC 410-250058/4	1.0	1.174581	0.25	134197.0	1.174581	Y
6	IC 410-250058/3	2.5	2.719729	0.25	149367.0	1.087892	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

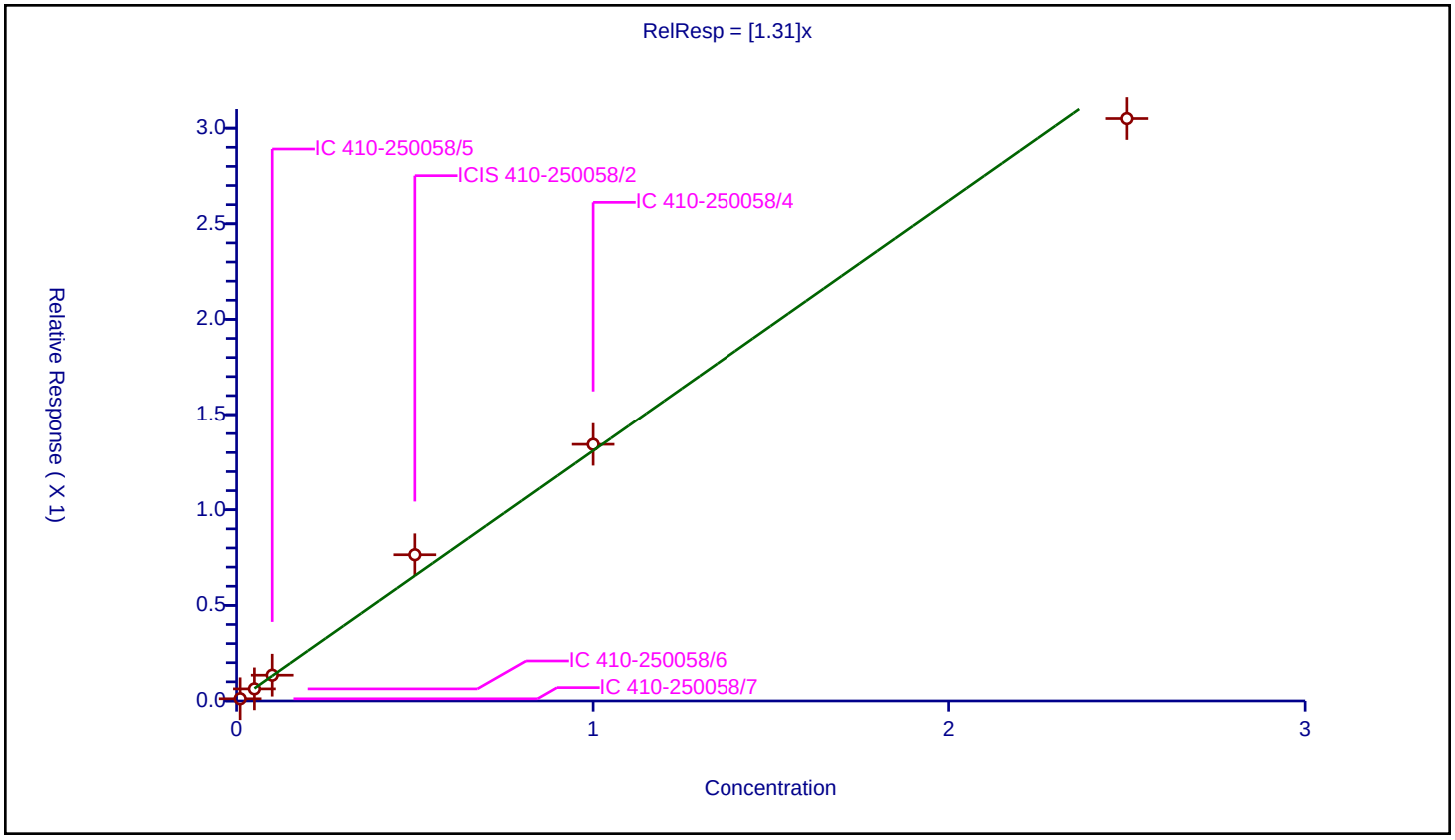
Curve Coefficients

Intercept:	0
Slope:	1.31

Error Coefficients

Standard Error:	893000
Relative Standard Error:	10.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.011544	0.25	105556.0	1.154364	Y
2	IC 410-250058/6	0.05	0.063229	0.25	114821.0	1.264577	Y
3	IC 410-250058/5	0.1	0.134804	0.25	120414.0	1.348037	Y
4	ICIS 410-250058/2	0.5	0.7646	0.25	122702.0	1.529201	Y
5	IC 410-250058/4	1.0	1.343156	0.25	134197.0	1.343156	Y
6	IC 410-250058/3	2.5	3.050374	0.25	149367.0	1.22015	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-94417-1

SDG No.:

Lab Sample ID (1): ICIS 410-250058/2 Instrument ID (1): HP23263

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 04/29/2022 14:59

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.83	24.60

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1401.D				
Injection Date:	29-Apr-2022 14:59:30	Instrument ID:	HP23263		
Lims ID:	ICIS L4				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

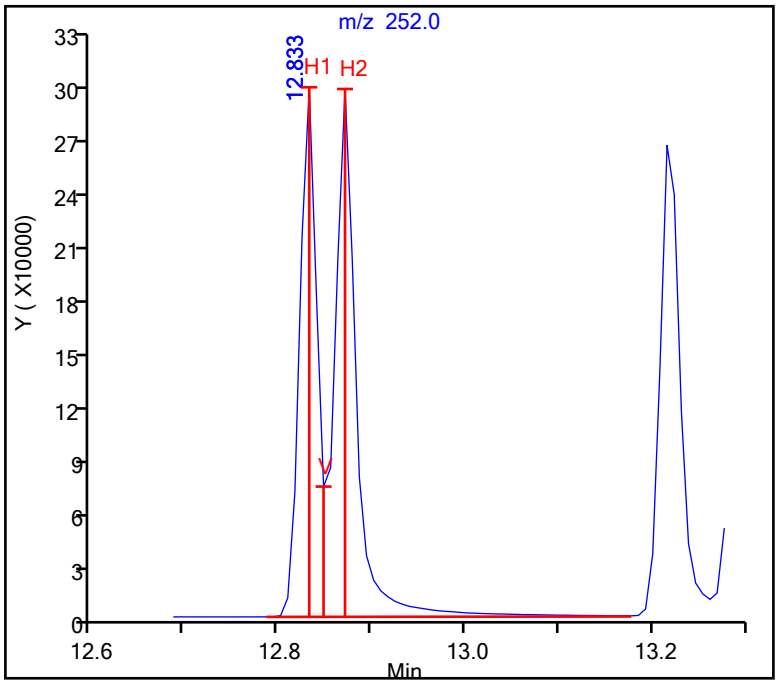
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 71826
H1(33 BenzoBFluor) = 291979
H2(34 BenzoKFluor) = 290997

Version D: %R = 24.6 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-94417-1

SDG No.:

Lab Sample ID (1): ICIS 410-280637/2 Instrument ID (1): HP21585

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 07/28/2022 19:23

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.92	14.70

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1351b.D				
Injection Date:	28-Jul-2022 19:23:20	Instrument ID:	HP21585		
Lims ID:	ICIS L4				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

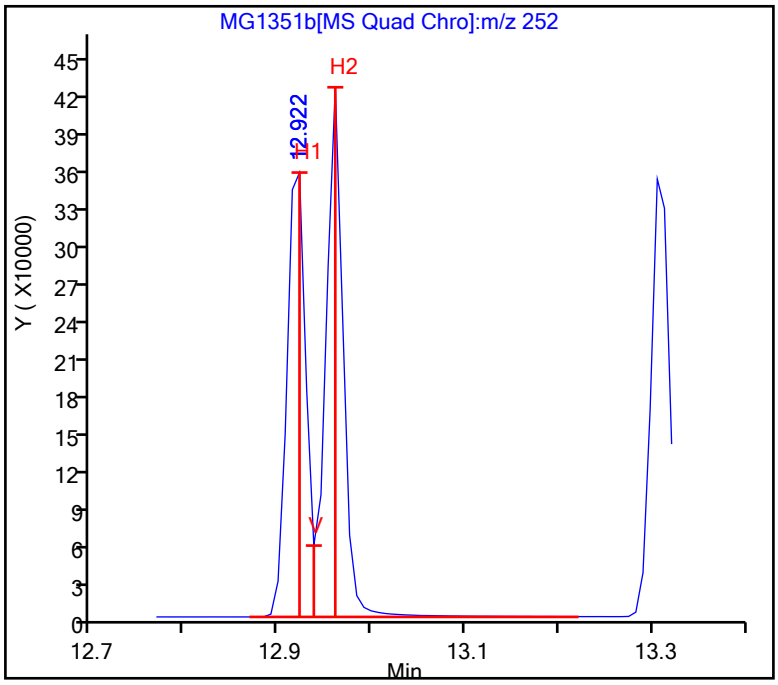
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 56483
H1(33 Benzo[b]fluoranthen) = 351582
H2(34 Benzo[k]fluoranthen) = 419049

Version D: %R = 14.7 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-94417-1

SDG No.:

Lab Sample ID (1): CCVIS 410-286632/2 Instrument ID (1): HP21585

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 08/16/2022 17:53

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.88	16.10

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1251.D				
Injection Date:	16-Aug-2022 17:53:24	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

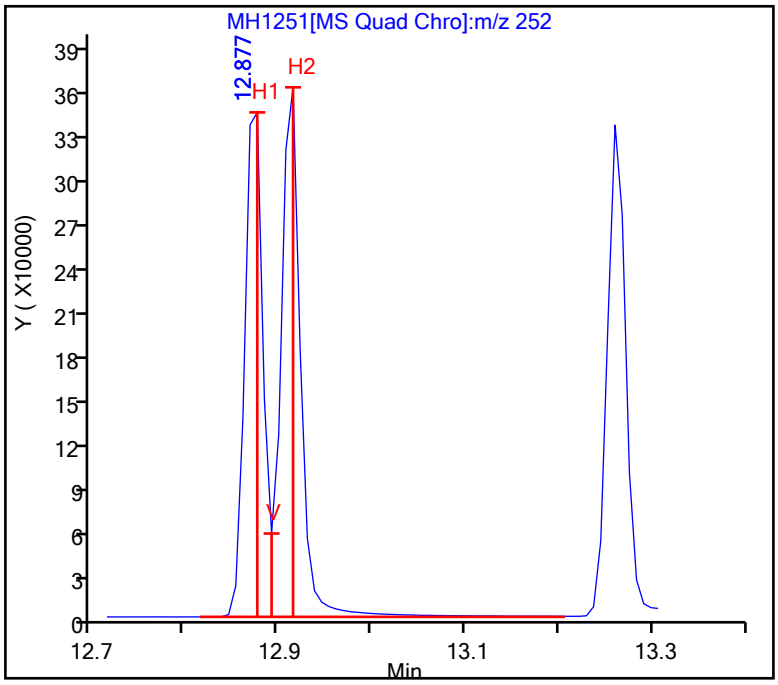
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 57075
H1(33 Benzo[b]fluoranthen) = 344834
H2(34 Benzo[k]fluoranthen) = 361979

Version D: %R = 16.1 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-94417-1

SDG No.:

Lab Sample ID (1): CCVIS 410-287123/2 Instrument ID (1): HP23263

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 08/17/2022 17:51

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.63	25.00

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1151.D				
Injection Date:	17-Aug-2022 17:51:30	Instrument ID:	HP23263		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

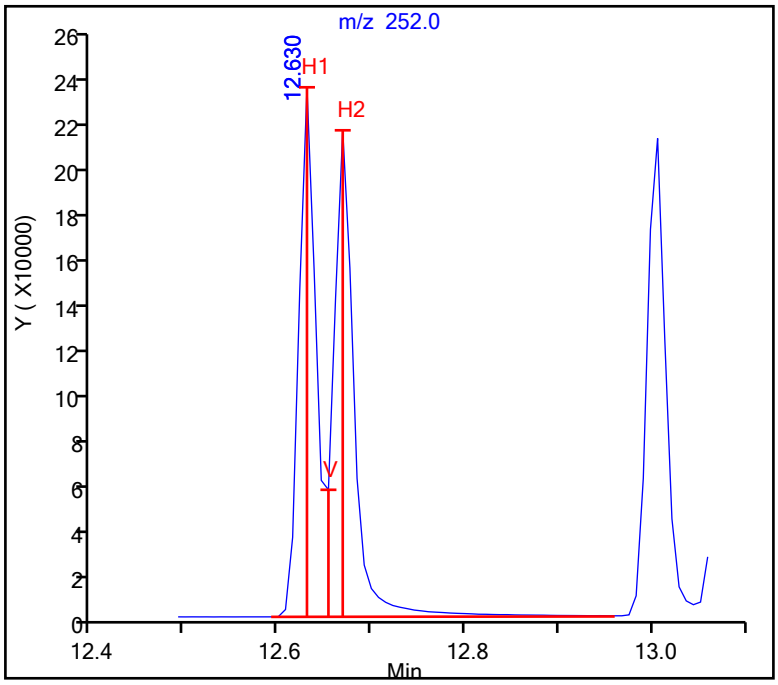
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 54621
H1(33 Benzo[b]fluoranthen) = 227743
H2(34 Benzo[k]fluoranthen) = 209229

Version D: %R = 25.0 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-94417-1

SDG No.:

Lab Sample ID (1): CCVIS 410-287573/2 Instrument ID (1): HP21585

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 08/18/2022 19:16

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.87	15.80

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1401.D				
Injection Date:	18-Aug-2022 19:16:18	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

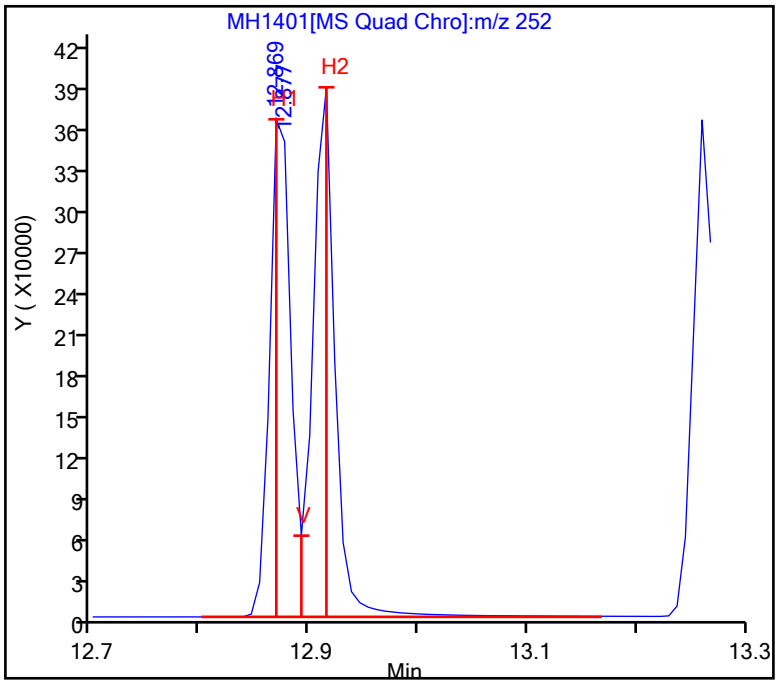
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 59339
H1(33 Benzo[b]fluoranthen) = 362969
H2(34 Benzo[k]fluoranthen) = 386311

Version D: %R = 15.8 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-94417-1

SDG No.:

Lab Sample ID (1): CCVIS 410-287637/2 Instrument ID (1): HP23263

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 08/19/2022 04:38

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.61	22.70

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1301.D				
Injection Date:	19-Aug-2022 04:38:30	Instrument ID:	HP23263		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

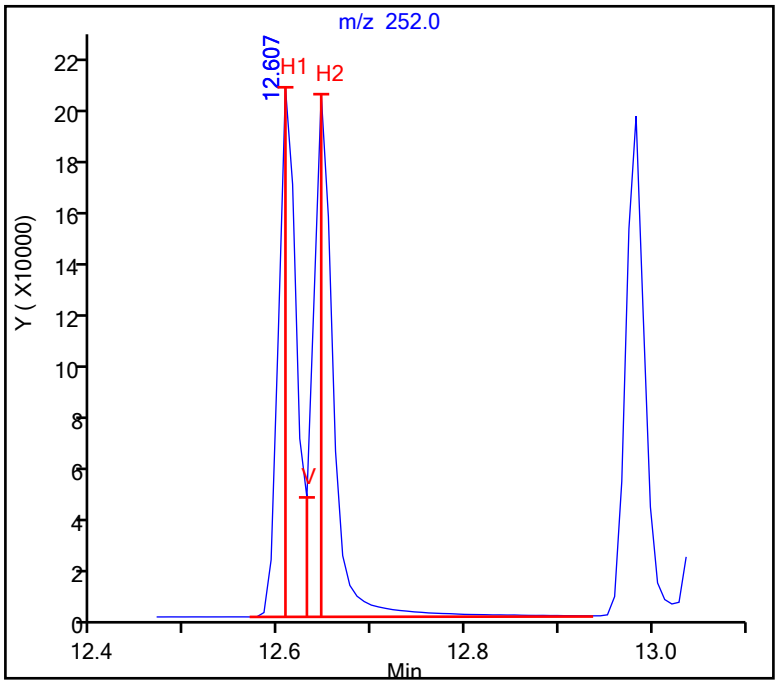
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 46658
H1(33 Benzo[b]fluoranthen) = 206851
H2(34 Benzo[k]fluoranthen) = 204147

Version D: %R = 22.7 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-94417-1

SDG No.:

Lab Sample ID (1): CCVIS 410-288195/2 Instrument ID (1): HP21585

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 08/22/2022 07:11

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.86	16.60

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1501a.D				
Injection Date:	22-Aug-2022 07:11:02	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

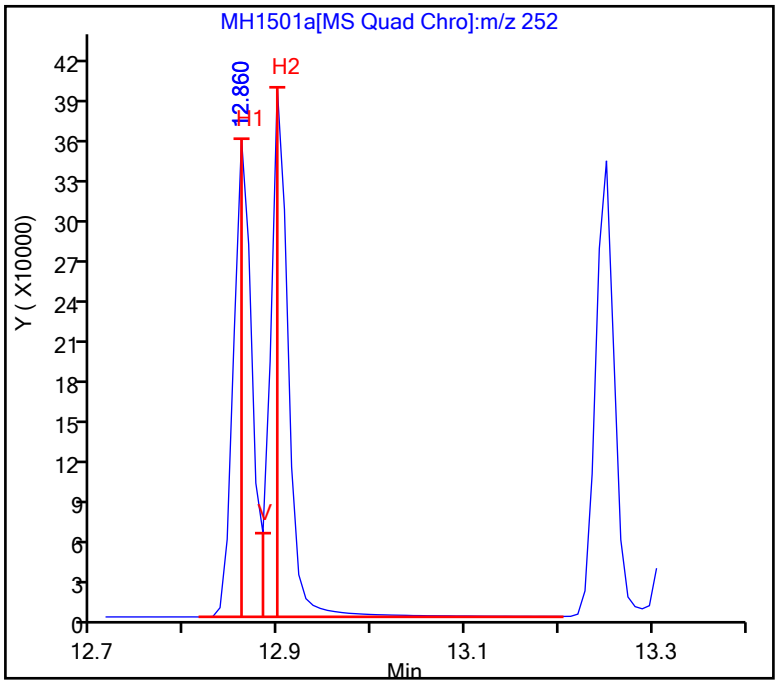
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 62982
H1(33 Benzo[b]fluoranthen) = 359072
H2(34 Benzo[k]fluoranthen) = 397676

Version D: %R = 16.6 <= 50.0
Passed



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: ICV 410-280637/9 Calibration Date: 07/28/2022 22:14

Instrument ID: HP21585 Calib Start Date: 07/28/2022 19:23

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 07/28/2022 21:32

Lab File ID: MG1358.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7031	0.6348		0.226	0.250	-9.7	30.0
N-Nitrosodimethylamine	Ave	0.8605	1.021		0.297	0.250	18.7	30.0
Bis(2-chloroethyl)ether	Ave	0.4374	0.4393		0.251	0.250	0.4	30.0
Naphthalene	Ave	1.250	1.087		0.217	0.250	-13.0	30.0
2-Methylnaphthalene	Ave	0.7695	0.6499		0.211	0.250	-15.5	30.0
1-Methylnaphthalene	Ave	0.7186	0.6076		0.211	0.250	-15.5	30.0
Dimethylphthalate	Ave	1.244	1.167		0.235	0.250	-6.2	30.0
Acenaphthylene	Ave	2.019	1.692		0.209	0.250	-16.2	30.0
Acenaphthene	Ave	1.253	1.079		0.215	0.250	-13.9	30.0
Dibenzofuran	Ave	1.903	1.637		0.215	0.250	-14.0	30.0
Diethylphthalate	Ave	1.191	1.095		0.230	0.250	-8.1	30.0
Fluorene	Ave	1.474	1.257		0.213	0.250	-14.7	30.0
N-Nitrosodiphenylamine	Ave	0.4872	0.5625		0.245	0.213	15.5	30.0
Hexachlorobenzene	Ave	0.2366	0.2077		0.219	0.250	-12.2	30.0
Phenanthrene	Ave	1.199	1.035		0.216	0.250	-13.7	30.0
Anthracene	Ave	1.118	0.9905		0.221	0.250	-11.4	30.0
Di-n-butyl phthalate	Ave	0.9186	0.7571		0.206	0.250	-17.6	30.0
Fluoranthene	Ave	1.299	1.052		0.203	0.250	-19.0	30.0
Pyrene	Ave	1.636	1.360		0.208	0.250	-16.9	30.0
Butylbenzylphthalate	Qua2		0.2379		0.213	0.250	-14.7	30.0
Benzo[a]anthracene	Ave	1.311	1.084		0.207	0.250	-17.3	30.0
Chrysene	Ave	1.465	1.252		0.214	0.250	-14.6	30.0
Bis(2-ethylhexyl) phthalate	Qua2		0.3455		0.206	0.250	-17.7	30.0
Di-n-octyl phthalate	Qua2		0.5474		0.203	0.250	-18.7	30.0
Benzo[b]fluoranthene	Ave	1.358	1.166		0.215	0.250	-14.1	30.0
Benzo[k]fluoranthene	Ave	1.449	1.350		0.233	0.250	-6.9	30.0
Benzo[a]pyrene	Ave	1.239	1.001		0.202	0.250	-19.2	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.053	0.9419		0.224	0.250	-10.5	30.0
Dibenz(a,h)anthracene	Ave	1.222	1.110		0.227	0.250	-9.2	30.0
Benzo[g,h,i]perylene	Ave	1.349	1.197		0.222	0.250	-11.3	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1358.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 28-Jul-2022 22:14:55 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0062933-009
Operator ID: kel10217 Instrument ID: HP21585
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Jul-2022 11:59:38 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: UJM0 Date: 29-Jul-2022 06:48:12

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.850	1.859	-0.009	89	45551	0.2500	0.2257	M
	2 N-Nitrosodimethylamine	74	2.135	2.152	-0.017	90	73272	0.2500	0.2967	
	3 Bis(2-chloroethyl)ether	93	4.305	4.305	0.000	84	110284	0.2500	0.2511	M
*	4 1,4-Dichlorobenzene-d4	152	4.580	4.567	0.013	95	71756	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.754	5.754	0.000	91	251024	0.2500	0.2500	
	6 Naphthalene	128	5.779	5.779	0.000	92	272750	0.2500	0.2174	
	8 2-Methylnaphthalene	142	6.426	6.426	0.000	98	163140	0.2500	0.2111	
	10 1-Methylnaphthalene	142	6.525	6.525	0.000	96	152516	0.2500	0.2114	
	11 Dimethyl phthalate	163	7.155	7.155	0.000	75	158697	0.2500	0.2345	
	12 Acenaphthylene	152	7.283	7.283	0.000	96	230100	0.2500	0.2094	
*	13 Acenaphthene-d10	164	7.421	7.411	0.010	96	136033	0.2500	0.2500	
	14 Acenaphthene	154	7.441	7.441	0.000	88	146769	0.2500	0.2152	
	15 Dibenzofuran	168	7.608	7.608	0.000	95	222745	0.2500	0.2151	
	16 Diethyl phthalate	149	7.832	7.824	0.008	99	148904	0.2500	0.2297	
	17 Fluorene	166	7.933	7.933	0.000	98	170965	0.2500	0.2132	
	18 N-Nitrosodiphenylamine	169	8.050	8.050	0.000	98	116376	0.2125	0.2453	
	19 Hexachlorobenzene	284	8.448	8.448	0.000	100	50547	0.2500	0.2195	
*	20 Phenanthrene-d10	188	8.823	8.823	0.000	95	243385	0.2500	0.2500	
	21 Phenanthrene	178	8.846	8.846	0.000	100	251916	0.2500	0.2158	
	22 Anthracene	178	8.893	8.893	0.000	100	241070	0.2500	0.2214	
	23 Di-n-butyl phthalate	149	9.395	9.388	0.007	100	184259	0.2500	0.2060	
	25 Fluoranthene	202	9.978	9.978	0.000	100	256060	0.2500	0.2025	
	26 Pyrene	202	10.197	10.197	0.000	100	269833	0.2500	0.2077	
	27 Butyl benzyl phthalate	149	10.874	10.874	0.000	100	47205	0.2500	0.2134	
	28 Benzo[a]anthracene	228	11.488	11.488	0.000	100	215160	0.2500	0.2067	
*	29 Chrysene-d12	240	11.503	11.495	0.008	59	198451	0.2500	0.2500	
	30 Chrysene	228	11.534	11.526	0.008	100	248458	0.2500	0.2136	
	31 Bis(2-ethylhexyl) phthalate	149	11.564	11.565	0.000	100	68558	0.2500	0.2058	
	32 Di-n-octyl phthalate	149	12.446	12.447	0.000	100	97270	0.2500	0.2031	
	33 Benzo[b]fluoranthene	252	12.914	12.914	0.000	100	207205	0.2500	0.2146	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.953	12.953	0.000	100	239855	0.2500	0.2328	
37 Benzo[a]pyrene	252	13.374	13.374	0.000	100	177885	0.2500	0.2021	
* 38 Perylene-d12	264	13.459	13.459	0.000	100	177699	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.103	15.096	0.007	100	167368	0.2500	0.2237	M
41 Dibenz(a,h)anthracene	278	15.152	15.152	0.000	98	197244	0.2500	0.2270	
42 Benzo[g,h,i]perylene	276	15.562	15.562	0.000	99	212761	0.2500	0.2218	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_ICV_00031 Amount Added: 1.00 Units: mL

Report Date: 29-Jul-2022 12:03:25 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1358.D

Injection Date: 28-Jul-2022 22:14:55 Instrument ID: HP21585 Operator ID: kel10217

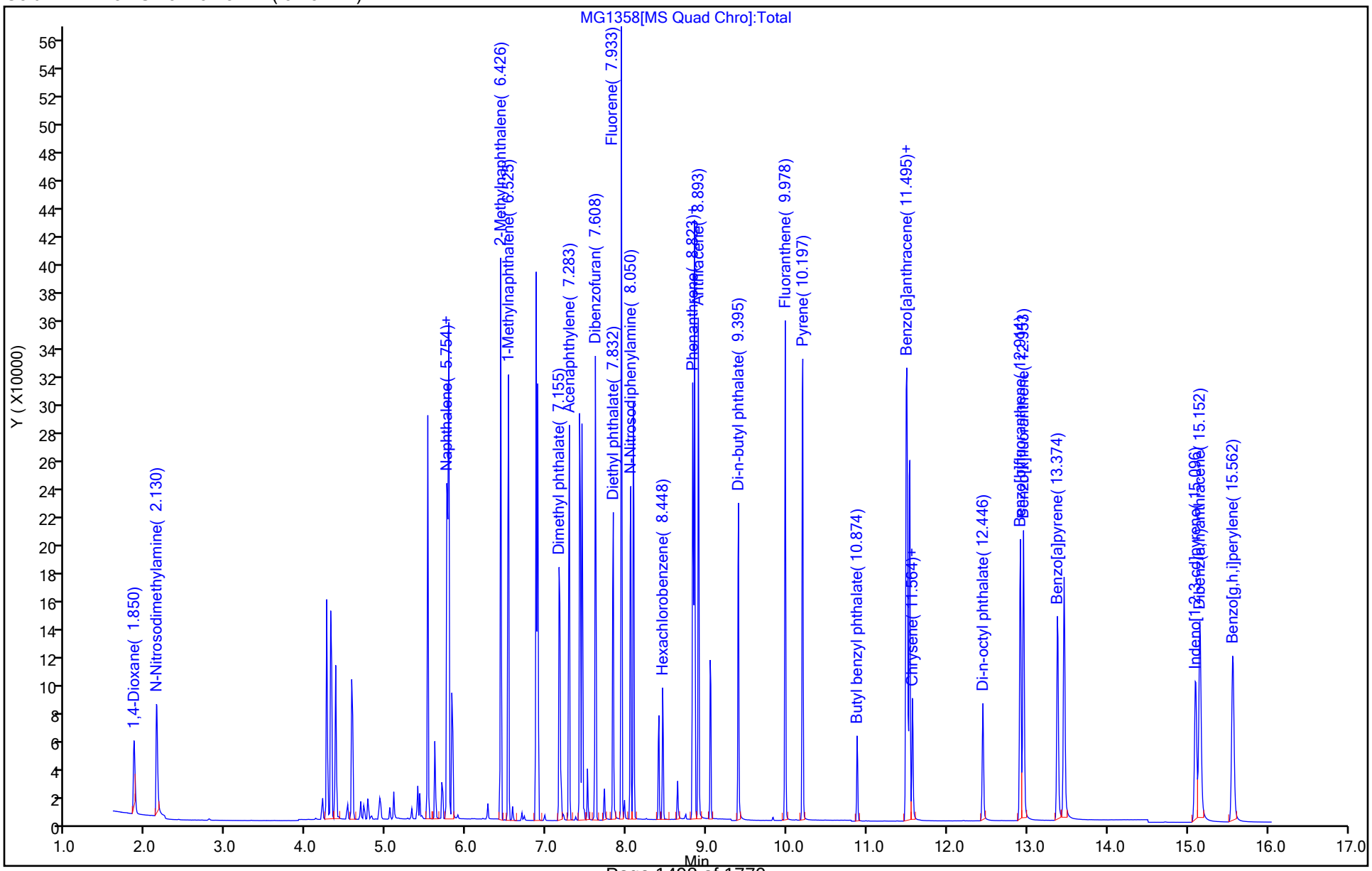
Lims ID: ICV FULL Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

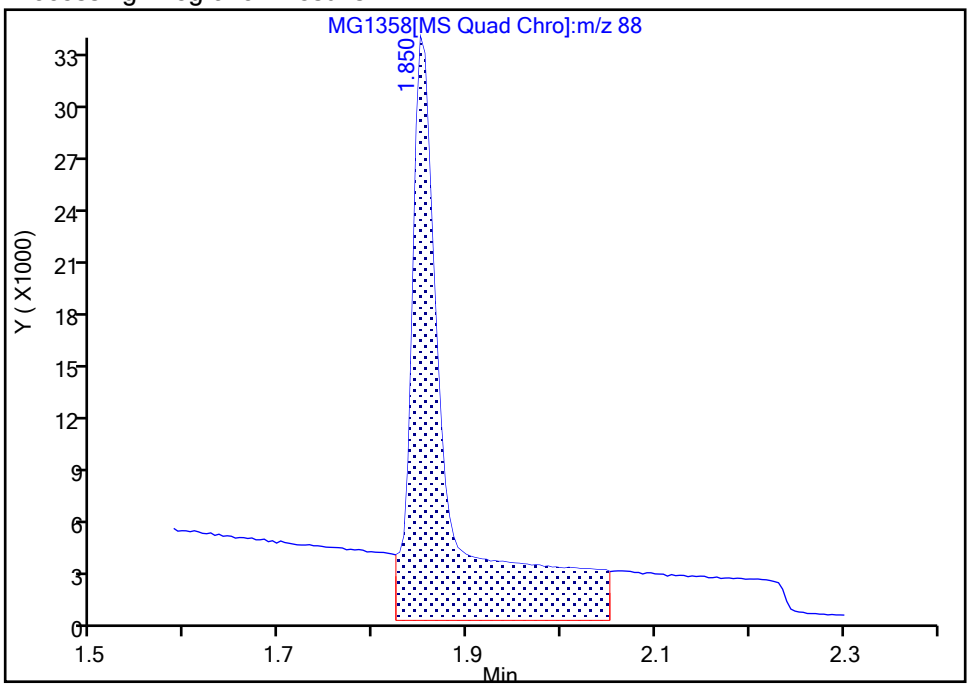
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1358.D				
Injection Date:	28-Jul-2022 22:14:55	Instrument ID:	HP21585		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

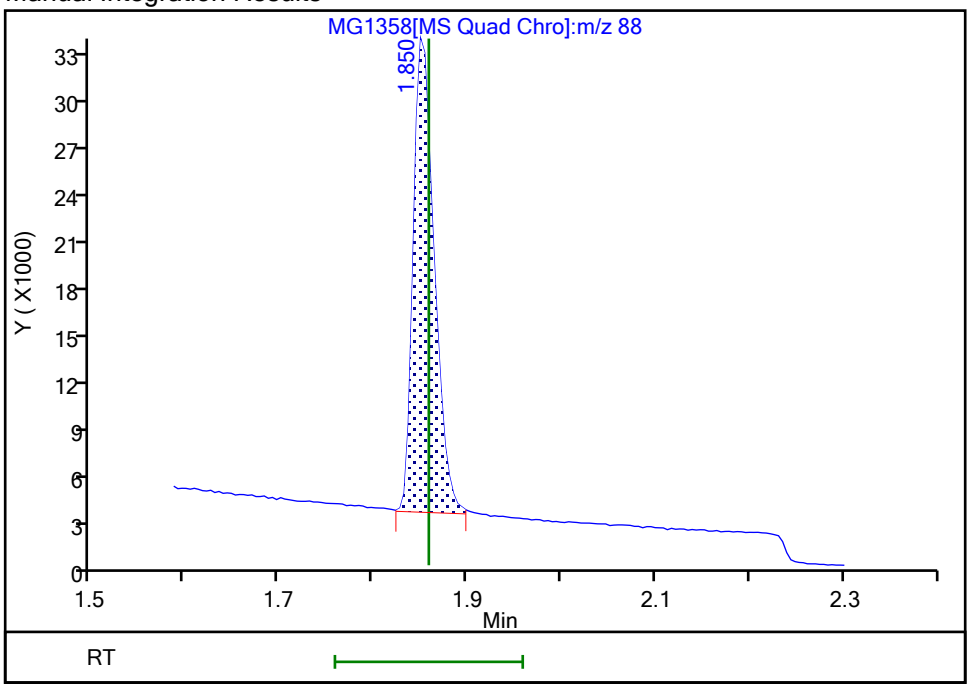
Processing Integration Results

RT: 1.85
Area: 90645
Amount: 0.449176
Amount Units: ug/ml



Manual Integration Results

RT: 1.85
Area: 45551
Amount: 0.225720
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:46:53

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

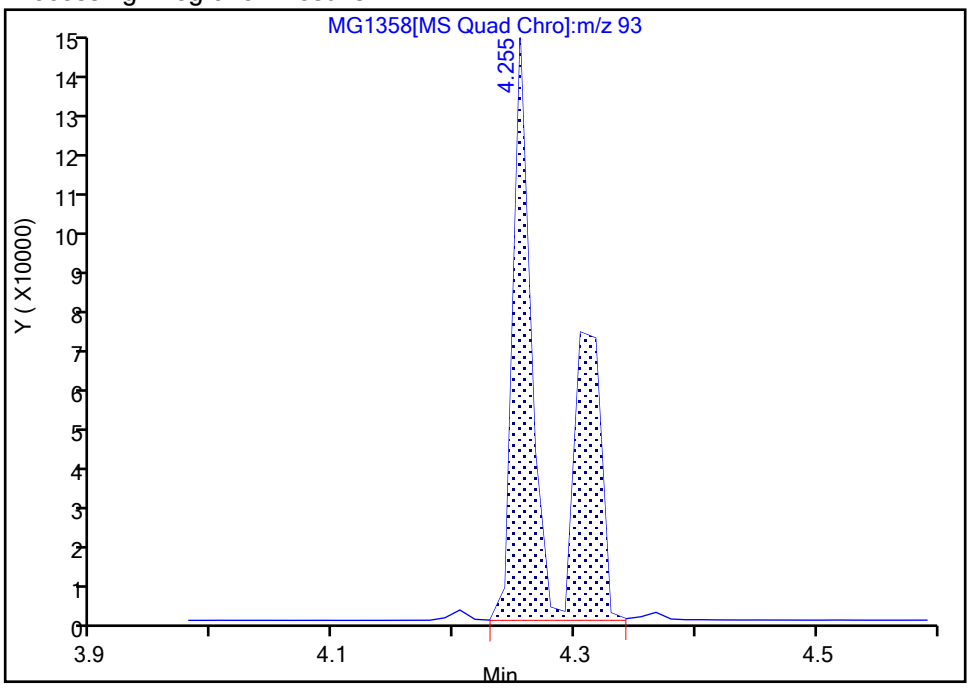
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1358.D				
Injection Date:	28-Jul-2022 22:14:55	Instrument ID:	HP21585		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

3 Bis(2-chloroethyl)ether, CAS: 111-44-4

Signal: 1

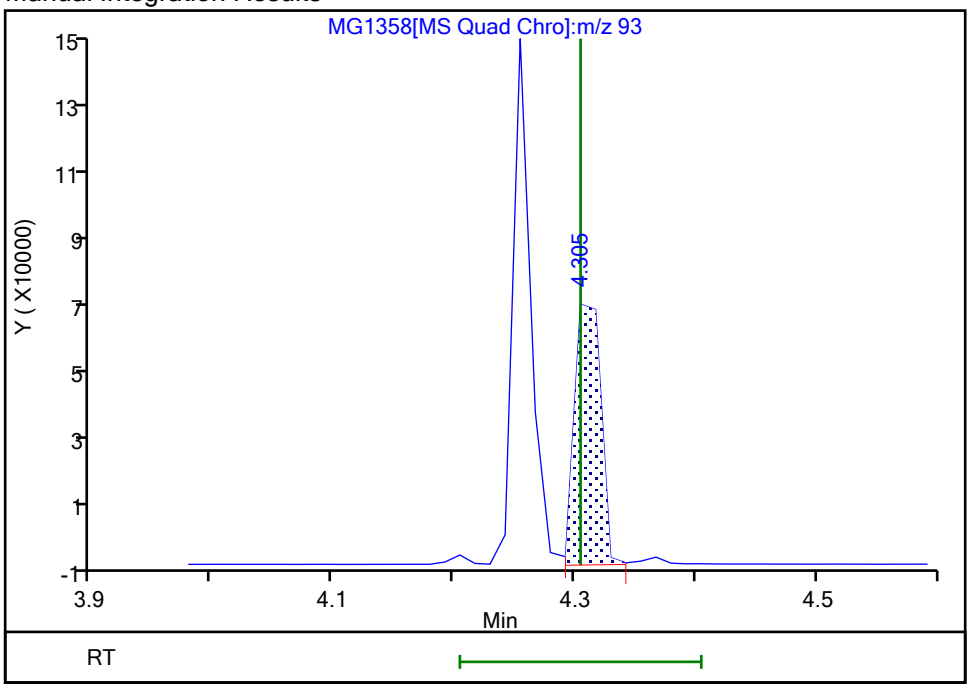
Processing Integration Results

RT: 4.25
Area: 260909
Amount: 0.594026
Amount Units: ug/ml



Manual Integration Results

RT: 4.30
Area: 110284
Amount: 0.251090
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:47:00
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

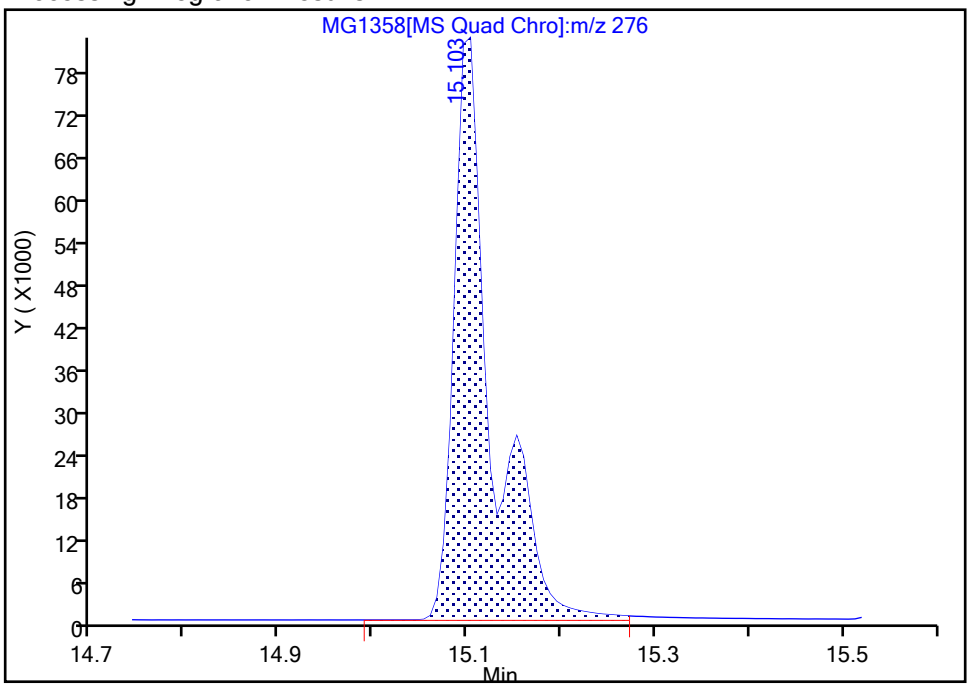
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1358.D				
Injection Date:	28-Jul-2022 22:14:55	Instrument ID:	HP21585		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

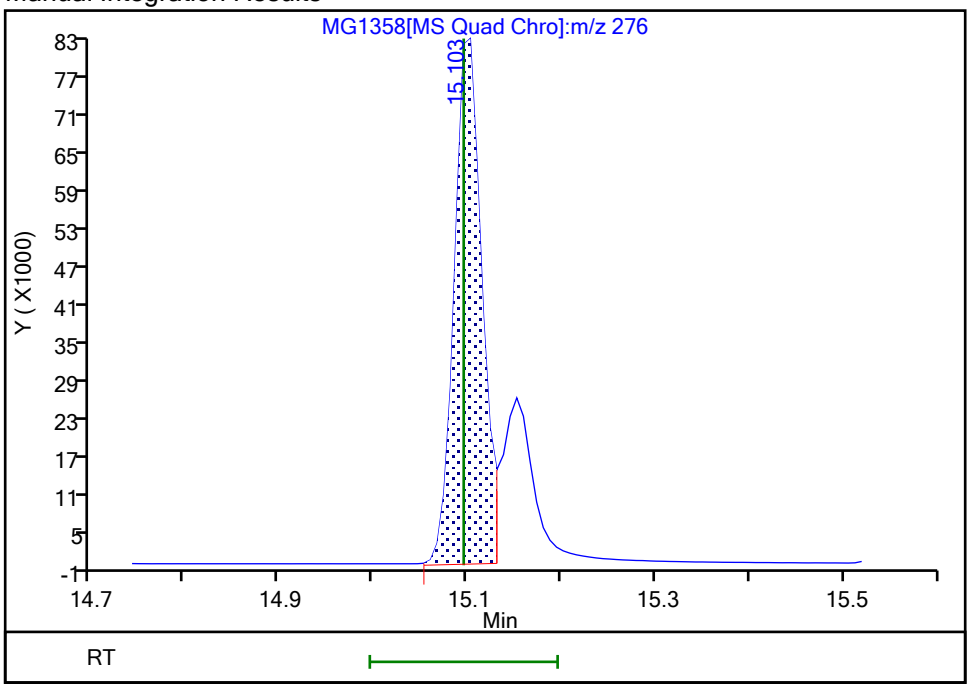
Processing Integration Results

RT: 15.10
Area: 229962
Amount: 0.307322
Amount Units: ug/ml



Manual Integration Results

RT: 15.10
Area: 167368
Amount: 0.223671
Amount Units: ug/ml



Reviewer: UJM0, 29-Jul-2022 06:47:23

Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-286632/2 Calibration Date: 08/16/2022 17:53

Instrument ID: HP21585 Calib Start Date: 07/28/2022 19:23

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 07/28/2022 21:32

Lab File ID: MH1251.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7031	0.6932		0.493	0.500	-1.4	20.0
N-Nitrosodimethylamine	Ave	0.8605	0.8515		0.495	0.500	-1.0	20.0
Bis(2-chloroethyl)ether	Ave	0.4374	0.4068		0.465	0.500	-7.0	20.0
Naphthalene	Ave	1.250	1.108		0.443	0.500	-11.4	20.0
Quinoline	Ave	0.7350	0.6181		0.420	0.500	-15.9	20.0
2-Methylnaphthalene	Ave	0.7695	0.7171		0.466	0.500	-6.8	20.0
1-Methylnaphthalene	Ave	0.7186	0.6681		0.465	0.500	-7.0	20.0
Dimethylphthalate	Ave	1.244	1.319		2.65	2.50	6.0	20.0
Acenaphthylene	Ave	2.019	1.939		0.480	0.500	-4.0	20.0
Acenaphthene	Ave	1.253	1.245		0.497	0.500	-0.7	20.0
Dibenzofuran	Ave	1.903	1.878		0.493	0.500	-1.3	20.0
Diethylphthalate	Ave	1.191	1.266		2.66	2.50	6.3	20.0
Fluorene	Ave	1.474	1.451		0.492	0.500	-1.5	20.0
N-Nitrosodiphenylamine	Ave	0.4872	0.4572		0.469	0.500	-6.2	20.0
Hexachlorobenzene	Ave	0.2366	0.2548		0.539	0.500	7.7	20.0
Phenanthrene	Ave	1.199	1.198		0.500	0.500	-0.0	20.0
Anthracene	Ave	1.118	1.099		0.491	0.500	-1.7	20.0
Di-n-butyl phthalate	Ave	0.9186	1.090		2.97	2.50	18.7	20.0
Fluoranthene	Ave	1.299	1.325		0.510	0.500	2.0	20.0
Pyrene	Ave	1.636	1.647		0.503	0.500	0.6	20.0
Butylbenzylphthalate	Qua2		0.5094		3.26	2.50	30.6*	20.0
Benzo[a]anthracene	Ave	1.311	1.278		0.487	0.500	-2.6	20.0
Chrysene	Ave	1.465	1.468		0.501	0.500	0.2	20.0
Bis(2-ethylhexyl) phthalate	Qua2		0.7751		3.30	2.50	32.0*	20.0
Di-n-octyl phthalate	Qua2		1.043		2.80	2.50	12.0	20.0
Benzo[b]fluoranthene	Ave	1.358	1.297		0.477	0.500	-4.5	20.0
Benzo[k]fluoranthene	Ave	1.449	1.468		0.506	0.500	1.3	20.0
Benzo[e]pyrene	Ave	1.310	1.284		0.490	0.500	-2.0	20.0
Benzo[a]pyrene	Ave	1.239	1.269		0.512	0.500	2.5	20.0
Perylene	Ave	1.355	1.314		0.485	0.500	-3.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.053	1.045		0.497	0.500	-0.7	20.0
Dibenz(a,h)anthracene	Ave	1.222	1.228		0.502	0.500	0.4	20.0
Benzo[g,h,i]perylene	Ave	1.349	1.329		0.492	0.500	-1.5	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.5713	0.5480		0.480	0.500	-4.1	20.0
Fluoranthene-d10 (Surr)	Ave	1.053	1.078		0.512	0.500	2.4	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.9242	0.9354		0.506	0.500	1.2	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1251.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Aug-2022 17:53:24 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L4
Misc. Info.: 410-0064300-002, 4
Operator ID: kel10217 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 16-Aug-2022 18:40:46 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: SJ89 Date: 16-Aug-2022 18:19:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.811	1.811	0.000	88	91609	0.5000	0.4929	M
2 N-Nitrosodimethylamine	74	2.095	2.095	0.000	89	112539	0.5000	0.4948	
3 Bis(2-chloroethyl)ether	93	4.280	4.280	0.000	88	198246	0.5000	0.4650	
* 4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	67	66080	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.729	5.729	0.000	91	243637	0.2500	0.2500	
6 Naphthalene	128	5.742	5.742	0.000	93	539753	0.5000	0.4432	
7 Quinoline	129	6.054	6.054	0.000	96	301208	0.5000	0.4205	
8 2-Methylnaphthalene	142	6.396	6.396	0.000	97	349410	0.5000	0.4659	
$ 9 1-Methylnaphthalene-d10	152	6.455	6.455	0.000	99	267014	0.5000	0.4796	
10 1-Methylnaphthalene	142	6.495	6.495	0.000	97	325542	0.5000	0.4648	
11 Dimethyl phthalate	163	7.135	7.135	0.000	75	1669258	2.50	2.65	
12 Acenaphthylene	152	7.253	7.253	0.000	96	491061	0.5000	0.4802	
* 13 Acenaphthene-d10	164	7.381	7.381	0.000	97	126602	0.2500	0.2500	
14 Acenaphthene	154	7.411	7.411	0.000	86	315233	0.5000	0.4967	
15 Dibenzofuran	168	7.578	7.578	0.000	94	475522	0.5000	0.4934	
16 Diethyl phthalate	149	7.800	7.800	0.000	99	1602886	2.50	2.66	
17 Fluorene	166	7.901	7.901	0.000	100	367441	0.5000	0.4923	
18 N-Nitrosodiphenylamine	169	8.018	8.018	0.000	100	199864	0.5000	0.4691	
19 Hexachlorobenzene	284	8.424	8.424	0.000	93	111415	0.5000	0.5386	
* 20 Phenanthrene-d10	188	8.799	8.799	0.000	96	218593	0.2500	0.2500	
21 Phenanthrene	178	8.815	8.815	0.000	100	523774	0.5000	0.4996	
22 Anthracene	178	8.869	8.869	0.000	100	480460	0.5000	0.4914	
23 Di-n-butyl phthalate	149	9.364	9.364	0.000	100	2383366	2.50	2.97	
$ 24 Fluoranthene-d10 (Surr)	212	9.935	9.935	0.000	99	471383	0.5000	0.5118	
25 Fluoranthene	202	9.947	9.947	0.000	100	579165	0.5000	0.5100	
26 Pyrene	202	10.167	10.167	0.000	100	595133	0.5000	0.5032	
27 Butyl benzyl phthalate	149	10.844	10.844	0.000	100	920497	2.50	3.26	
28 Benzo[a]anthracene	228	11.450	11.450	0.000	100	461720	0.5000	0.4872	
* 29 Chrysene-d12	240	11.466	11.466	0.000	81	180707	0.2500	0.2500	
30 Chrysene	228	11.496	11.496	0.000	100	530723	0.5000	0.5011	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.527	11.527	0.000	100	1400652	2.50	3.30	
32 Di-n-octyl phthalate	149	12.401	12.401	0.000	100	1883941	2.50	2.80	
33 Benzo[b]fluoranthene	252	12.877	12.877	0.000	100	468704	0.5000	0.4775	
34 Benzo[k]fluoranthene	252	12.915	12.915	0.000	100	530381	0.5000	0.5063	
35 Benzo[e]pyrene	252	13.260	13.260	0.000	100	464148	0.5000	0.4902	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.299	13.299	0.000	100	338042	0.5000	0.5060	
37 Benzo[a]pyrene	252	13.337	13.337	0.000	100	458622	0.5000	0.5123	
* 38 Perylene-d12	264	13.421	13.421	0.000	100	180699	0.2500	0.2500	
39 Perylene	252	13.460	13.460	0.000	100	474798	0.5000	0.4847	
40 Indeno[1,2,3-cd]pyrene	276	15.047	15.047	0.000	100	377804	0.5000	0.4965	M
41 Dibenz(a,h)anthracene	278	15.103	15.103	0.000	97	443661	0.5000	0.5022	
42 Benzo[g,h,i]perylene	276	15.513	15.513	0.000	98	480339	0.5000	0.4925	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00024 Amount Added: 1.00 Units: ml

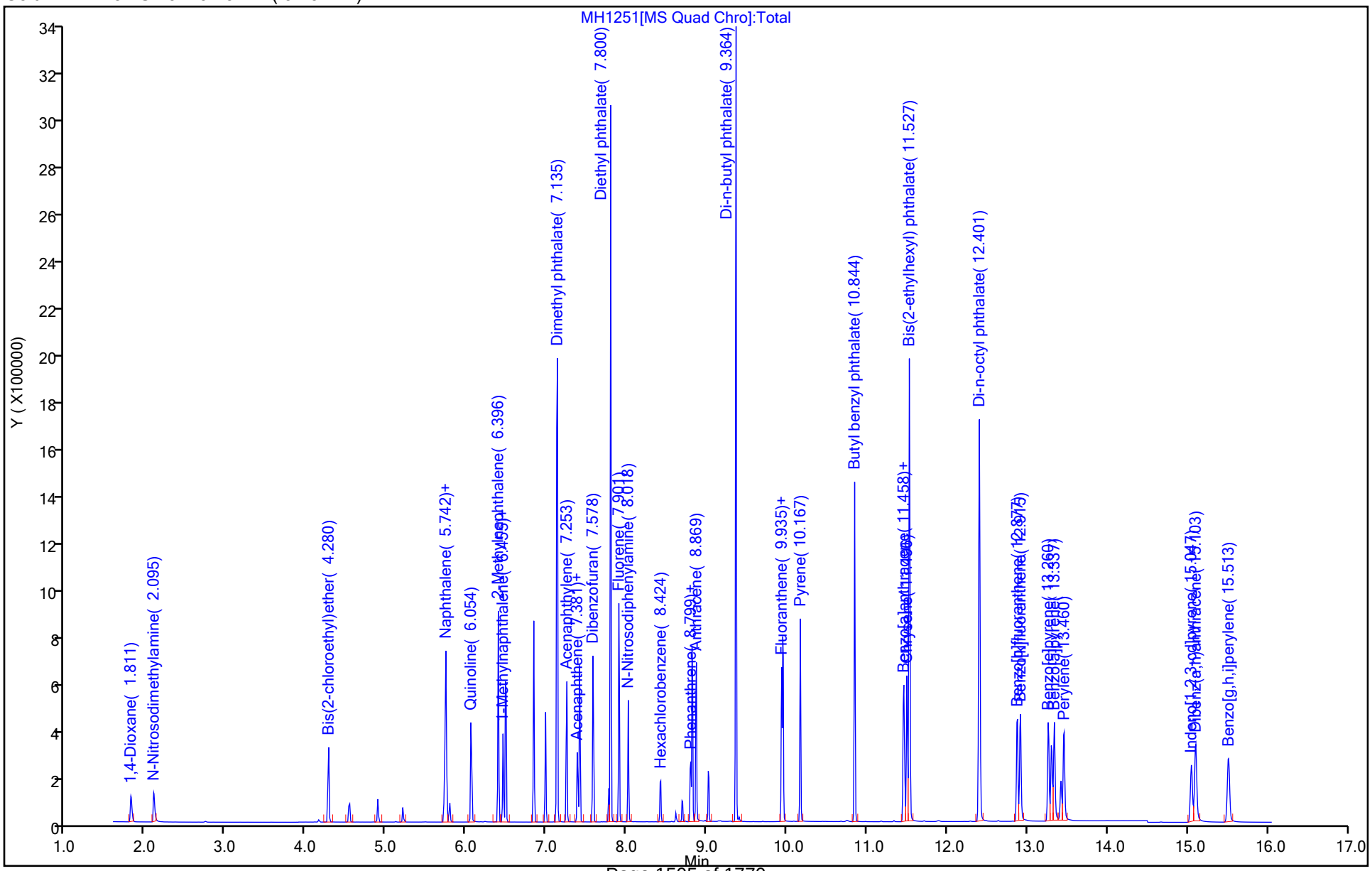
Report Date: 16-Aug-2022 18:40:47 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1251.D

Injection Date:	16-Aug-2022 17:53:24	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

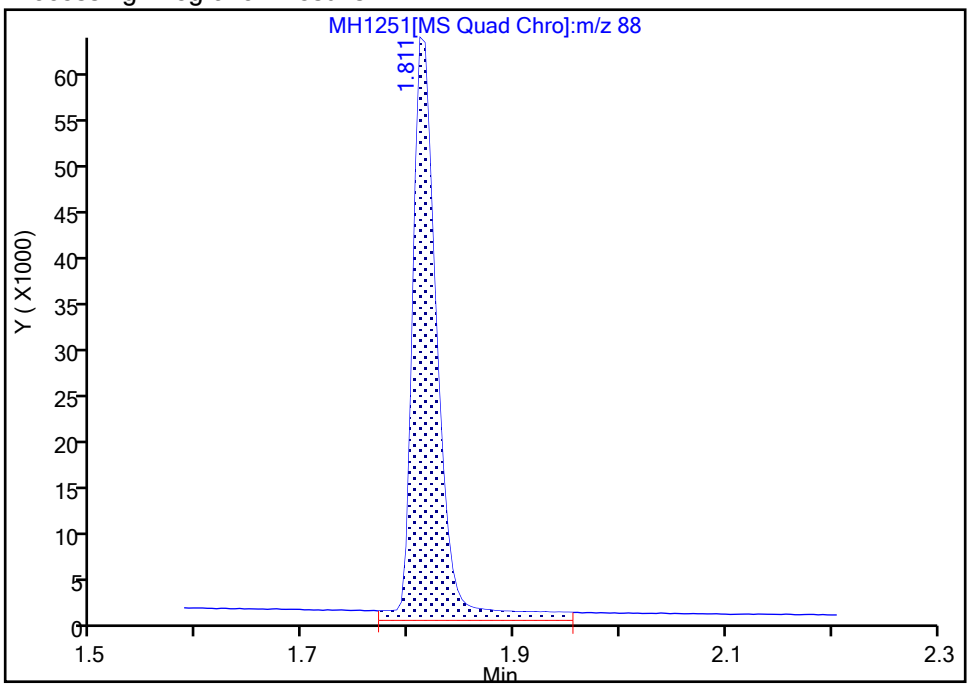
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1251.D
Injection Date: 16-Aug-2022 17:53:24 Instrument ID: HP21585
Lims ID: CCVIS
Client ID:
Operator ID: kel10217 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

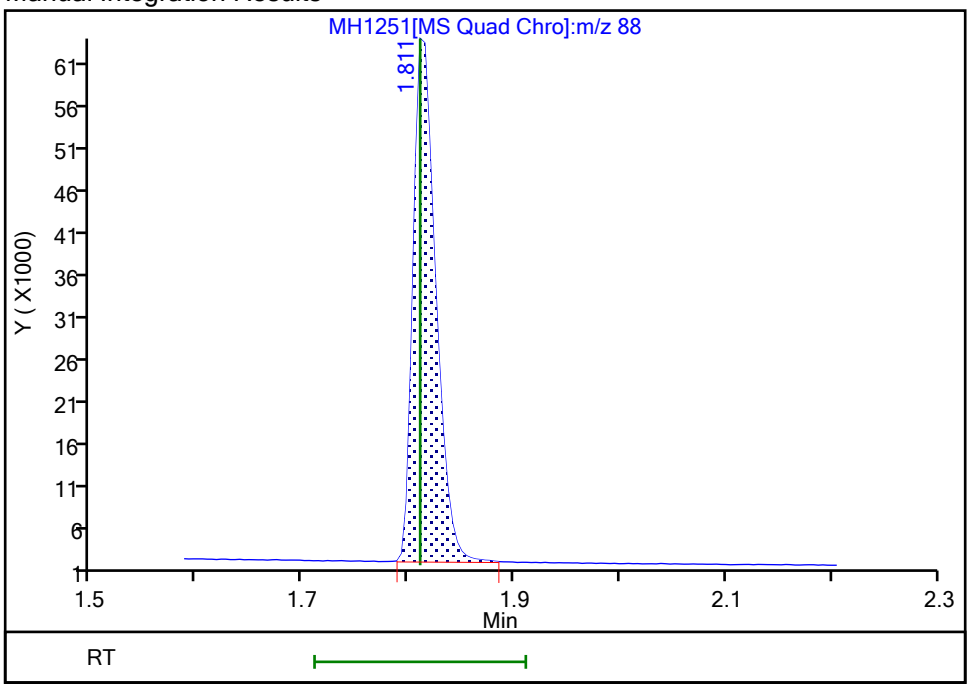
Processing Integration Results

RT: 1.81
Area: 101934
Amount: 0.548504
Amount Units: ug/ml



Manual Integration Results

RT: 1.81
Area: 91609
Amount: 0.492945
Amount Units: ug/ml



Reviewer: SJ89, 16-Aug-2022 18:17:27
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

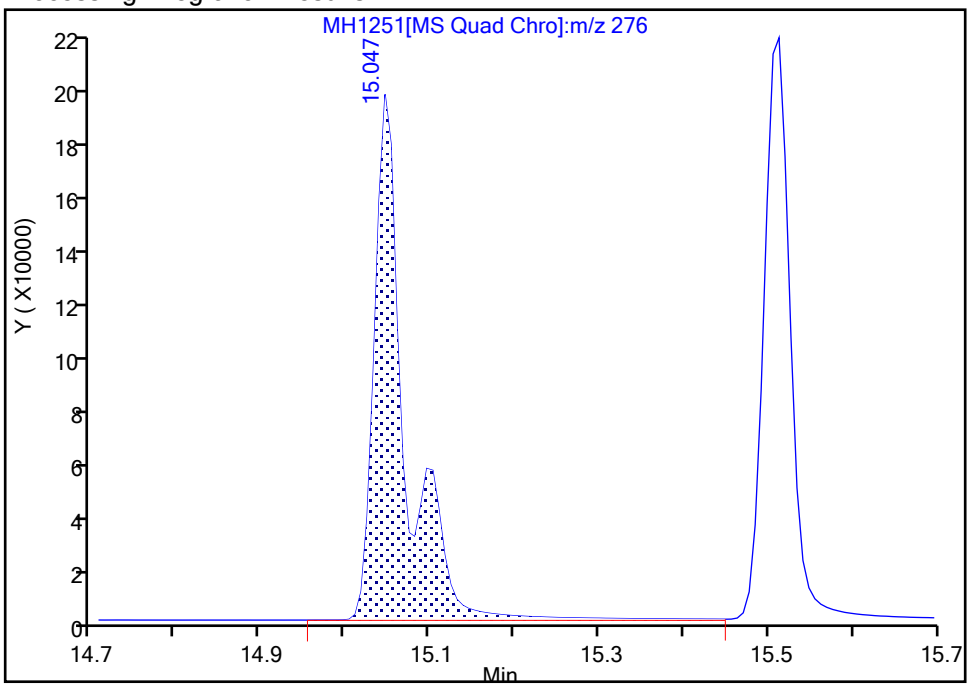
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1251.D				
Injection Date:	16-Aug-2022 17:53:24	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

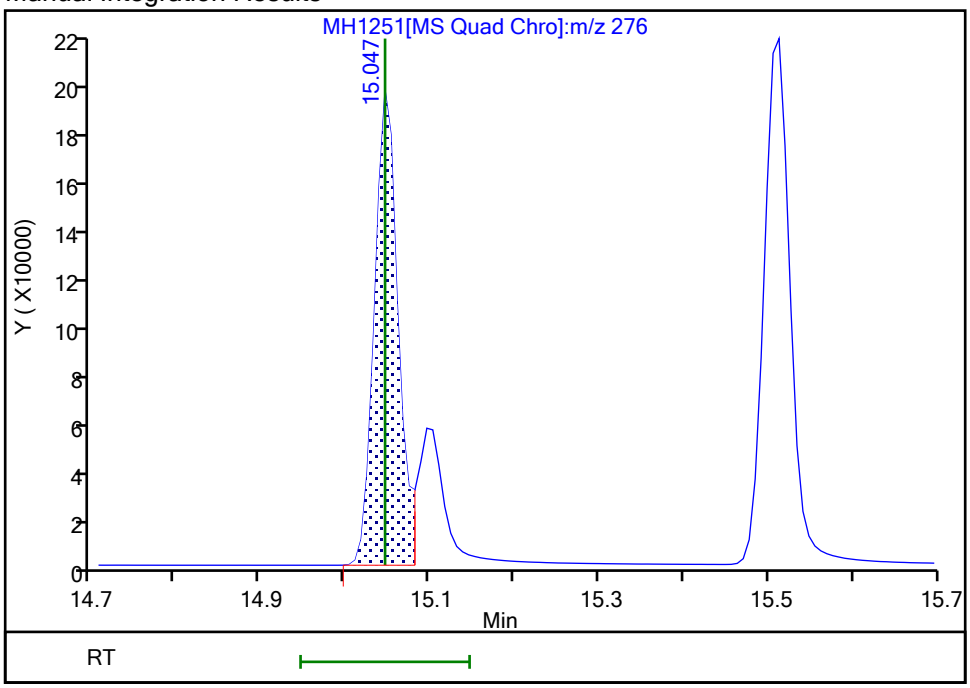
Processing Integration Results

RT: 15.05
Area: 512175
Amount: 0.673110
Amount Units: ug/ml



Manual Integration Results

RT: 15.05
Area: 377804
Amount: 0.496517
Amount Units: ug/ml



Reviewer: SJ89, 16-Aug-2022 18:17:42

Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-287573/2 Calibration Date: 08/18/2022 19:16

Instrument ID: HP21585 Calib Start Date: 07/28/2022 19:23

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 07/28/2022 21:32

Lab File ID: MH1401.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7031	0.7505		0.534	0.500	6.7	20.0
N-Nitrosodimethylamine	Ave	0.8605	0.7974		0.463	0.500	-7.3	20.0
Bis(2-chloroethyl)ether	Ave	0.4374	0.4085		0.467	0.500	-6.6	20.0
Naphthalene	Ave	1.250	1.100		0.440	0.500	-12.0	20.0
Quinoline	Ave	0.7350	0.6059		0.412	0.500	-17.6	20.0
2-Methylnaphthalene	Ave	0.7695	0.7202		0.468	0.500	-6.4	20.0
1-Methylnaphthalene	Ave	0.7186	0.6583		0.458	0.500	-8.4	20.0
Dimethylphthalate	Ave	1.244	1.365		2.74	2.50	9.8	20.0
Acenaphthylene	Ave	2.019	1.956		0.484	0.500	-3.1	20.0
Acenaphthene	Ave	1.253	1.263		0.504	0.500	0.8	20.0
Dibenzofuran	Ave	1.903	1.911		0.502	0.500	0.4	20.0
Diethylphthalate	Ave	1.191	1.302		2.73	2.50	9.3	20.0
Fluorene	Ave	1.474	1.530		0.519	0.500	3.8	20.0
N-Nitrosodiphenylamine	Ave	0.4872	0.5034		0.517	0.500	3.3	20.0
Hexachlorobenzene	Ave	0.2366	0.2579		0.545	0.500	9.0	20.0
Phenanthrene	Ave	1.199	1.179		0.492	0.500	-1.6	20.0
Anthracene	Ave	1.118	1.093		0.489	0.500	-2.3	20.0
Di-n-butyl phthalate	Ave	0.9186	1.106		3.01	2.50	20.4*	20.0
Fluoranthene	Ave	1.299	1.302		0.501	0.500	0.2	20.0
Pyrene	Ave	1.636	1.558		0.476	0.500	-4.8	20.0
Butylbenzylphthalate	Qua2		0.5189		3.32	2.50	32.7*	20.0
Benzo[a]anthracene	Ave	1.311	1.254		0.478	0.500	-4.4	20.0
Chrysene	Ave	1.465	1.467		0.501	0.500	0.1	20.0
Bis(2-ethylhexyl) phthalate	Qua2		0.7223		3.11	2.50	24.2*	20.0
Di-n-octyl phthalate	Qua2		1.098		2.93	2.50	17.3	20.0
Benzo[b]fluoranthene	Ave	1.358	1.301		0.479	0.500	-4.2	20.0
Benzo[k]fluoranthene	Ave	1.449	1.458		0.503	0.500	0.6	20.0
Benzo[e]pyrene	Ave	1.310	1.278		0.488	0.500	-2.4	20.0
Benzo[a]pyrene	Ave	1.239	1.250		0.505	0.500	0.9	20.0
Perylene	Ave	1.355	1.304		0.481	0.500	-3.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.053	0.9156		0.435	0.500	-13.0	20.0
Dibenz(a,h)anthracene	Ave	1.222	1.028		0.420	0.500	-15.9	20.0
Benzo[g,h,i]perylene	Ave	1.349	1.140		0.423	0.500	-15.5	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.5713	0.5612		0.491	0.500	-1.8	20.0
Fluoranthene-d10 (Surr)	Ave	1.053	1.066		0.506	0.500	1.2	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.9242	0.9458		0.512	0.500	2.3	20.0

Report Date: 18-Aug-2022 20:11:54 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1401.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Aug-2022 19:16:18 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L4
Misc. Info.: 410-0064495-002, 4
Operator ID: kel10217 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 18-Aug-2022 20:11:53 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: SJ89 Date: 18-Aug-2022 19:40:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.811	1.811	0.000	88	94879	0.5000	0.5337	
2 N-Nitrosodimethylamine	74	2.100	2.100	0.000	90	100810	0.5000	0.4633	
3 Bis(2-chloroethyl)ether	93	4.280	4.280	0.000	88	185999	0.5000	0.4669	
* 4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	81	63213	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.729	5.729	0.000	91	227668	0.2500	0.2500	
6 Naphthalene	128	5.742	5.742	0.000	93	500687	0.5000	0.4400	
7 Quinoline	129	6.067	6.067	0.000	95	275883	0.5000	0.4122	
8 2-Methylnaphthalene	142	6.396	6.396	0.000	97	327933	0.5000	0.4679	
$ 9 1-Methylnaphthalene-d10	152	6.455	6.455	0.000	98	255517	0.5000	0.4911	
10 1-Methylnaphthalene	142	6.485	6.485	0.000	99	299769	0.5000	0.4581	
11 Dimethyl phthalate	163	7.135	7.135	0.000	75	1602476	2.50	2.74	
12 Acenaphthylene	152	7.253	7.253	0.000	96	459194	0.5000	0.4843	M
* 13 Acenaphthene-d10	164	7.381	7.381	0.000	98	117399	0.2500	0.2500	
14 Acenaphthene	154	7.411	7.411	0.000	87	296508	0.5000	0.5038	
15 Dibenzofuran	168	7.578	7.578	0.000	95	448683	0.5000	0.5020	
16 Diethyl phthalate	149	7.800	7.800	0.000	99	1528711	2.50	2.73	
17 Fluorene	166	7.901	7.901	0.000	100	359214	0.5000	0.5190	
18 N-Nitrosodiphenylamine	169	8.018	8.018	0.000	100	209795	0.5000	0.5165	
19 Hexachlorobenzene	284	8.424	8.424	0.000	94	107495	0.5000	0.5450	
* 20 Phenanthrene-d10	188	8.799	8.799	0.000	95	208397	0.2500	0.2500	
21 Phenanthrene	178	8.815	8.815	0.000	100	491483	0.5000	0.4918	
22 Anthracene	178	8.869	8.869	0.000	100	455578	0.5000	0.4887	
23 Di-n-butyl phthalate	149	9.364	9.364	0.000	100	2304124	2.50	3.01	
$ 24 Fluoranthene-d10 (Surr)	212	9.935	9.935	0.000	99	444254	0.5000	0.5060	
25 Fluoranthene	202	9.953	9.953	0.000	100	542552	0.5000	0.5011	
26 Pyrene	202	10.167	10.167	0.000	99	563919	0.5000	0.4759	
27 Butyl benzyl phthalate	149	10.844	10.844	0.000	100	939328	2.50	3.32	
28 Benzo[a]anthracene	228	11.458	11.458	0.000	100	453958	0.5000	0.4782	
* 29 Chrysene-d12	240	11.466	11.466	0.000	80	181022	0.2500	0.2500	
30 Chrysene	228	11.496	11.496	0.000	100	531160	0.5000	0.5007	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.527	11.527	0.000	99	1307595	2.50	3.11	
32 Di-n-octyl phthalate	149	12.401	12.401	0.000	100	2064568	2.50	2.93	
33 Benzo[b]fluoranthene	252	12.869	12.869	0.000	100	489455	0.5000	0.4791	
34 Benzo[k]fluoranthene	252	12.915	12.915	0.000	100	548391	0.5000	0.5030	
35 Benzo[e]pyrene	252	13.260	13.260	0.000	100	480708	0.5000	0.4878	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.306	13.306	0.000	100	355699	0.5000	0.5117	
37 Benzo[a]pyrene	252	13.337	13.337	0.000	100	470106	0.5000	0.5046	
* 38 Perylene-d12	264	13.421	13.421	0.000	100	188050	0.2500	0.2500	
39 Perylene	252	13.460	13.460	0.000	100	490569	0.5000	0.4812	
40 Indeno[1,2,3-cd]pyrene	276	15.047	15.047	0.000	100	344371	0.5000	0.4349	M
41 Dibenz(a,h)anthracene	278	15.103	15.103	0.000	97	386474	0.5000	0.4203	
42 Benzo[g,h,i]perylene	276	15.513	15.513	0.000	98	428869	0.5000	0.4225	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00024 Amount Added: 1.00 Units: ml

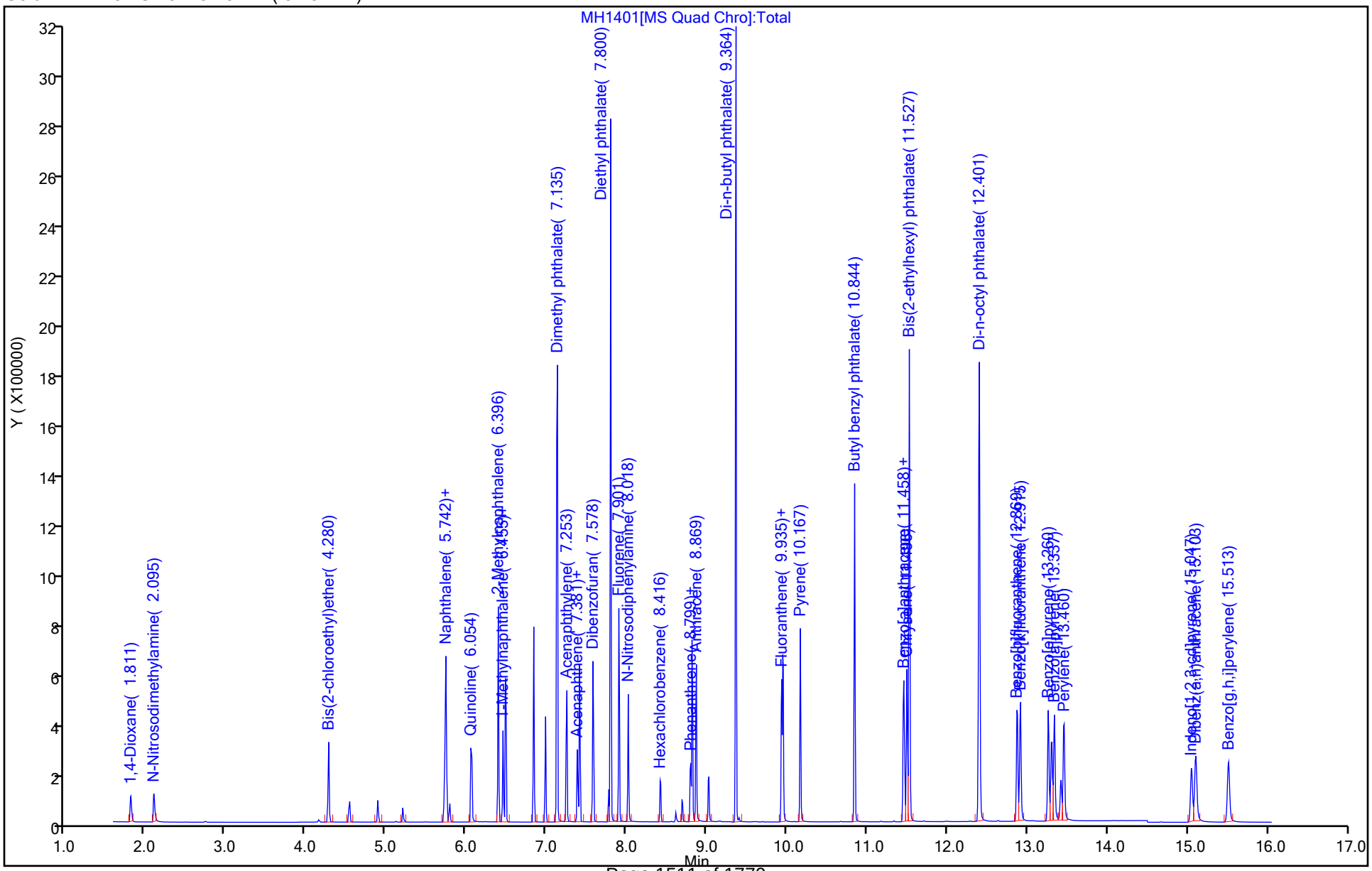
Report Date: 18-Aug-2022 20:11:54 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1401.D

Injection Date:	18-Aug-2022 19:16:18	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

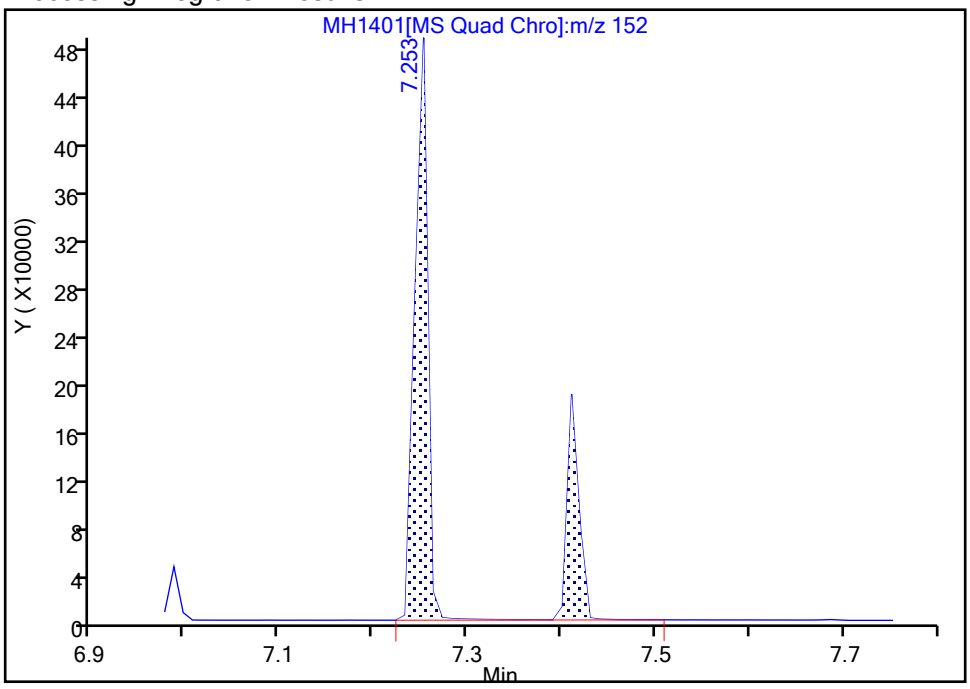
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1401.D				
Injection Date:	18-Aug-2022 19:16:18	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

12 Acenaphthylene, CAS: 208-96-8

Signal: 1

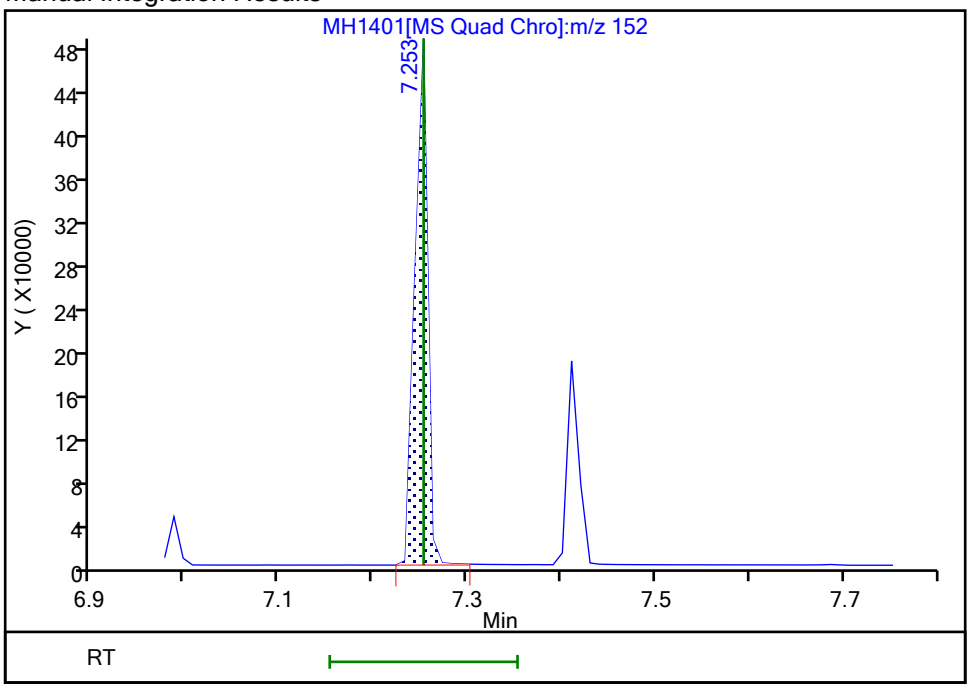
Processing Integration Results

RT: 7.25
Area: 624858
Amount: 0.658965
Amount Units: ug/ml



Manual Integration Results

RT: 7.25
Area: 459194
Amount: 0.484258
Amount Units: ug/ml



Reviewer: SJ89, 18-Aug-2022 19:39:15
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

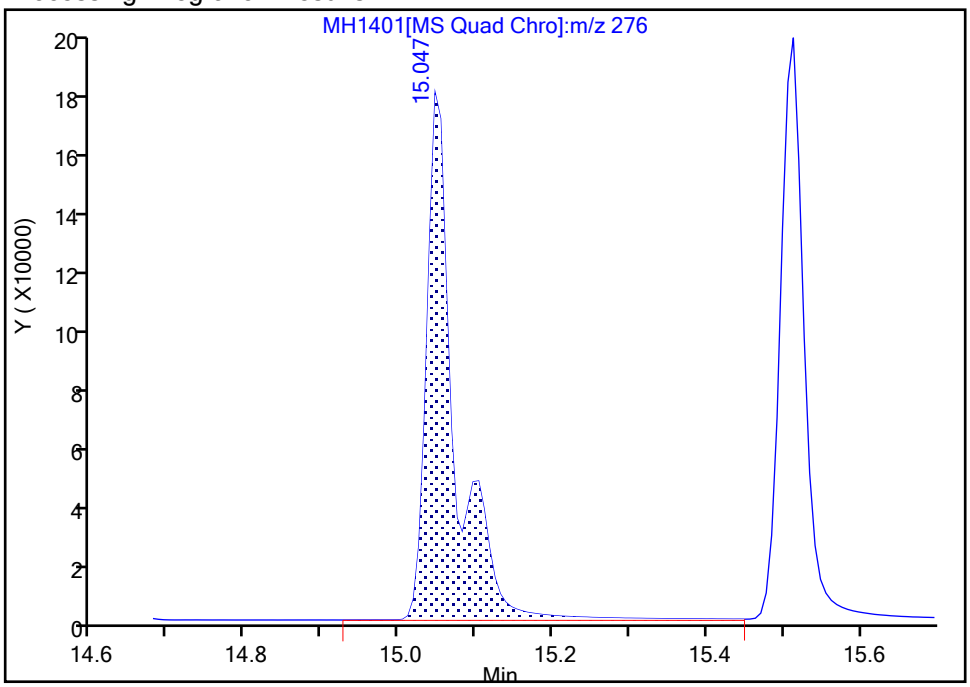
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1401.D				
Injection Date:	18-Aug-2022 19:16:18	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

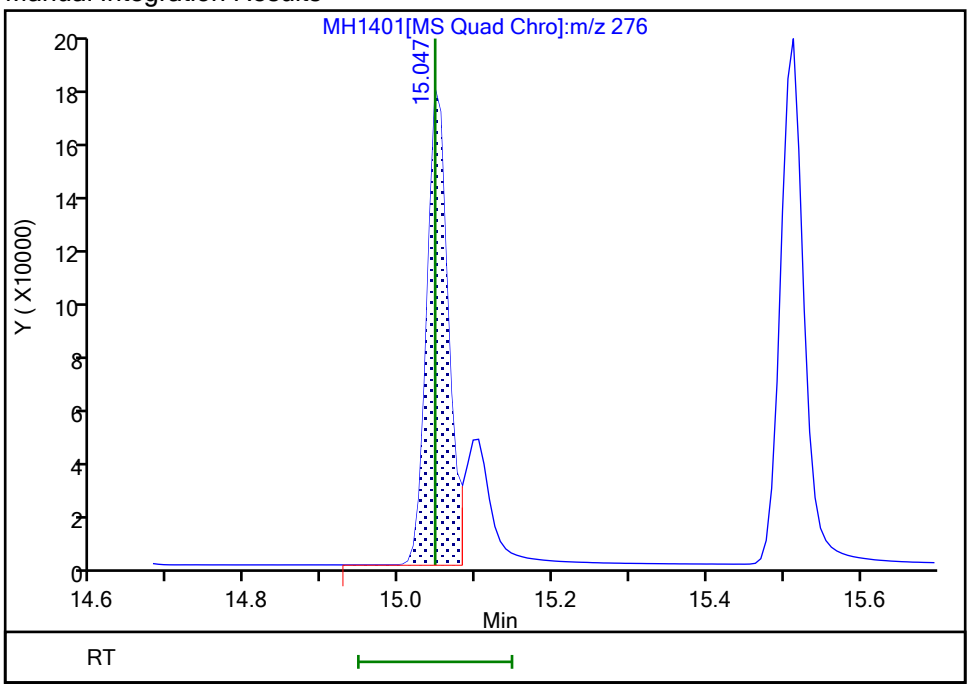
Processing Integration Results

RT: 15.05
Area: 466382
Amount: 0.588968
Amount Units: ug/ml



Manual Integration Results

RT: 15.05
Area: 344371
Amount: 0.434887
Amount Units: ug/ml



Reviewer: SJ89, 18-Aug-2022 19:39:28

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-288195/2 Calibration Date: 08/22/2022 07:11

Instrument ID: HP21585 Calib Start Date: 07/28/2022 19:23

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 07/28/2022 21:32

Lab File ID: MH1501a.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7031	0.7057		0.502	0.500	0.4	20.0
N-Nitrosodimethylamine	Ave	0.8605	0.8547		0.497	0.500	-0.7	20.0
Bis(2-chloroethyl)ether	Ave	0.4374	0.3909		0.447	0.500	-10.6	20.0
Naphthalene	Ave	1.250	1.063		0.426	0.500	-14.9	20.0
Quinoline	Ave	0.7350	0.6140		0.418	0.500	-16.5	20.0
2-Methylnaphthalene	Ave	0.7695	0.6967		0.453	0.500	-9.5	20.0
1-Methylnaphthalene	Ave	0.7186	0.6485		0.451	0.500	-9.8	20.0
Dimethylphthalate	Ave	1.244	1.314		2.64	2.50	5.6	20.0
Acenaphthylene	Ave	2.019	1.909		0.473	0.500	-5.5	20.0
Acenaphthene	Ave	1.253	1.224		0.488	0.500	-2.3	20.0
Dibenzofuran	Ave	1.903	1.931		0.507	0.500	1.5	20.0
Diethylphthalate	Ave	1.191	1.996		4.19	2.50	67.5*	20.0
Fluorene	Ave	1.474	1.463		0.496	0.500	-0.7	20.0
N-Nitrosodiphenylamine	Ave	0.4872	0.4439		0.456	0.500	-8.9	20.0
Hexachlorobenzene	Ave	0.2366	0.2494		0.527	0.500	5.4	20.0
Phenanthrene	Ave	1.199	1.199		0.500	0.500	-0.0	20.0
Anthracene	Ave	1.118	1.107		0.495	0.500	-1.0	20.0
Di-n-butyl phthalate	Ave	0.9186	1.037		2.82	2.50	12.9	20.0
Fluoranthene	Ave	1.299	1.339		0.516	0.500	3.1	20.0
Pyrene	Ave	1.636	1.604		0.490	0.500	-2.0	20.0
Butylbenzylphthalate	Qua2		0.5002		3.21	2.50	28.6*	20.0
Benzo[a]anthracene	Ave	1.311	1.260		0.481	0.500	-3.9	20.0
Chrysene	Ave	1.465	1.475		0.503	0.500	0.7	20.0
Bis(2-ethylhexyl) phthalate	Qua2		0.7897		3.35	2.50	34.1*	20.0
Di-n-octyl phthalate	Qua2		1.069		2.86	2.50	14.5	20.0
Benzo[b]fluoranthene	Ave	1.358	1.305		0.480	0.500	-3.9	20.0
Benzo[k]fluoranthene	Ave	1.449	1.420		0.490	0.500	-2.1	20.0
Benzo[e]pyrene	Ave	1.310	1.278		0.488	0.500	-2.5	20.0
Benzo[a]pyrene	Ave	1.239	1.280		0.517	0.500	3.4	20.0
Perylene	Ave	1.355	1.303		0.481	0.500	-3.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.053	1.105		0.525	0.500	4.9	20.0
Dibenz(a,h)anthracene	Ave	1.222	1.331		0.545	0.500	8.9	20.0
Benzo[g,h,i]perylene	Ave	1.349	1.423		0.527	0.500	5.4	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.5713	0.5373		0.470	0.500	-6.0	20.0
Fluoranthene-d10 (Surr)	Ave	1.053	1.101		0.523	0.500	4.5	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.9242	0.9361		0.506	0.500	1.3	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1501a.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Aug-2022 07:11:02 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L4
Misc. Info.: 410-0064632-002, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 07:41:15 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: UJM0 Date: 22-Aug-2022 07:41:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.793	1.793	0.000	88	84772	0.5000	0.5019	M
2 N-Nitrosodimethylamine	74	2.078	2.078	0.000	90	102669	0.5000	0.4966	
3 Bis(2-chloroethyl)ether	93	4.267	4.267	0.000	87	175188	0.5000	0.4469	
* 4 1,4-Dichlorobenzene-d4	152	4.530	4.530	0.000	65	60061	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.717	5.717	0.000	91	224058	0.2500	0.2500	M
6 Naphthalene	128	5.729	5.729	0.000	93	476526	0.5000	0.4255	
7 Quinoline	129	6.054	6.054	0.000	95	275152	0.5000	0.4177	
8 2-Methylnaphthalene	142	6.385	6.385	0.000	98	312221	0.5000	0.4527	
$ 9 1-Methylnaphthalene-d10	152	6.444	6.444	0.000	99	240778	0.5000	0.4702	
10 1-Methylnaphthalene	142	6.483	6.483	0.000	95	290582	0.5000	0.4512	
11 Dimethyl phthalate	163	7.124	7.124	0.000	75	1482289	2.50	2.64	
12 Acenaphthylene	152	7.242	7.242	0.000	96	430772	0.5000	0.4727	
* 13 Acenaphthene-d10	164	7.380	7.380	0.000	92	112827	0.2500	0.2500	
14 Acenaphthene	154	7.409	7.409	0.000	88	276220	0.5000	0.4884	
15 Dibenzofuran	168	7.577	7.577	0.000	83	435797	0.5000	0.5074	
16 Diethyl phthalate	149	7.791	7.791	0.000	99	2251656	2.50	4.19	
17 Fluorene	166	7.892	7.892	0.000	100	330086	0.5000	0.4963	
18 N-Nitrosodiphenylamine	169	8.009	8.009	0.000	100	175636	0.5000	0.4555	
19 Hexachlorobenzene	284	8.415	8.415	0.000	93	98659	0.5000	0.5270	
* 20 Phenanthrene-d10	188	8.790	8.790	0.000	95	197823	0.2500	0.2500	
21 Phenanthrene	178	8.813	8.813	0.000	100	474337	0.5000	0.5000	
22 Anthracene	178	8.860	8.860	0.000	100	437917	0.5000	0.4949	
23 Di-n-butyl phthalate	149	9.356	9.356	0.000	100	2051809	2.50	2.82	
$ 24 Fluoranthene-d10 (Surr)	212	9.927	9.927	0.000	99	435583	0.5000	0.5226	
25 Fluoranthene	202	9.946	9.946	0.000	100	529952	0.5000	0.5156	
26 Pyrene	202	10.159	10.159	0.000	100	548590	0.5000	0.4902	
27 Butyl benzyl phthalate	149	10.835	10.835	0.000	100	855162	2.50	3.21	
28 Benzo[a]anthracene	228	11.441	11.441	0.000	100	430962	0.5000	0.4807	
* 29 Chrysene-d12	240	11.456	11.456	0.000	75	170972	0.2500	0.2500	
30 Chrysene	228	11.487	11.487	0.000	100	504412	0.5000	0.5034	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.518	11.518	0.000	99	1350088	2.50	3.35	
32 Di-n-octyl phthalate	149	12.392	12.392	0.000	100	1983453	2.50	2.86	
33 Benzo[b]fluoranthene	252	12.860	12.860	0.000	100	484435	0.5000	0.4805	
34 Benzo[k]fluoranthene	252	12.898	12.898	0.000	100	526958	0.5000	0.4897	
35 Benzo[e]pyrene	252	13.251	13.251	0.000	100	474320	0.5000	0.4877	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.289	13.289	0.000	100	347489	0.5000	0.5065	
37 Benzo[a]pyrene	252	13.320	13.320	0.000	100	475191	0.5000	0.5168	
* 38 Perylene-d12	264	13.405	13.405	0.000	100	185597	0.2500	0.2500	
39 Perylene	252	13.443	13.443	0.000	100	483650	0.5000	0.4807	
40 Indeno[1,2,3-cd]pyrene	276	15.032	15.032	0.000	100	410010	0.5000	0.5246	M
41 Dibenz(a,h)anthracene	278	15.081	15.081	0.000	97	494237	0.5000	0.5446	
42 Benzo[g,h,i]perylene	276	15.491	15.491	0.000	98	528075	0.5000	0.5271	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00024 Amount Added: 1.00 Units: ml

Report Date: 22-Aug-2022 07:41:15 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1501a.D

Injection Date: 22-Aug-2022 07:11:02 Instrument ID: HP21585 Operator ID: jmg00346

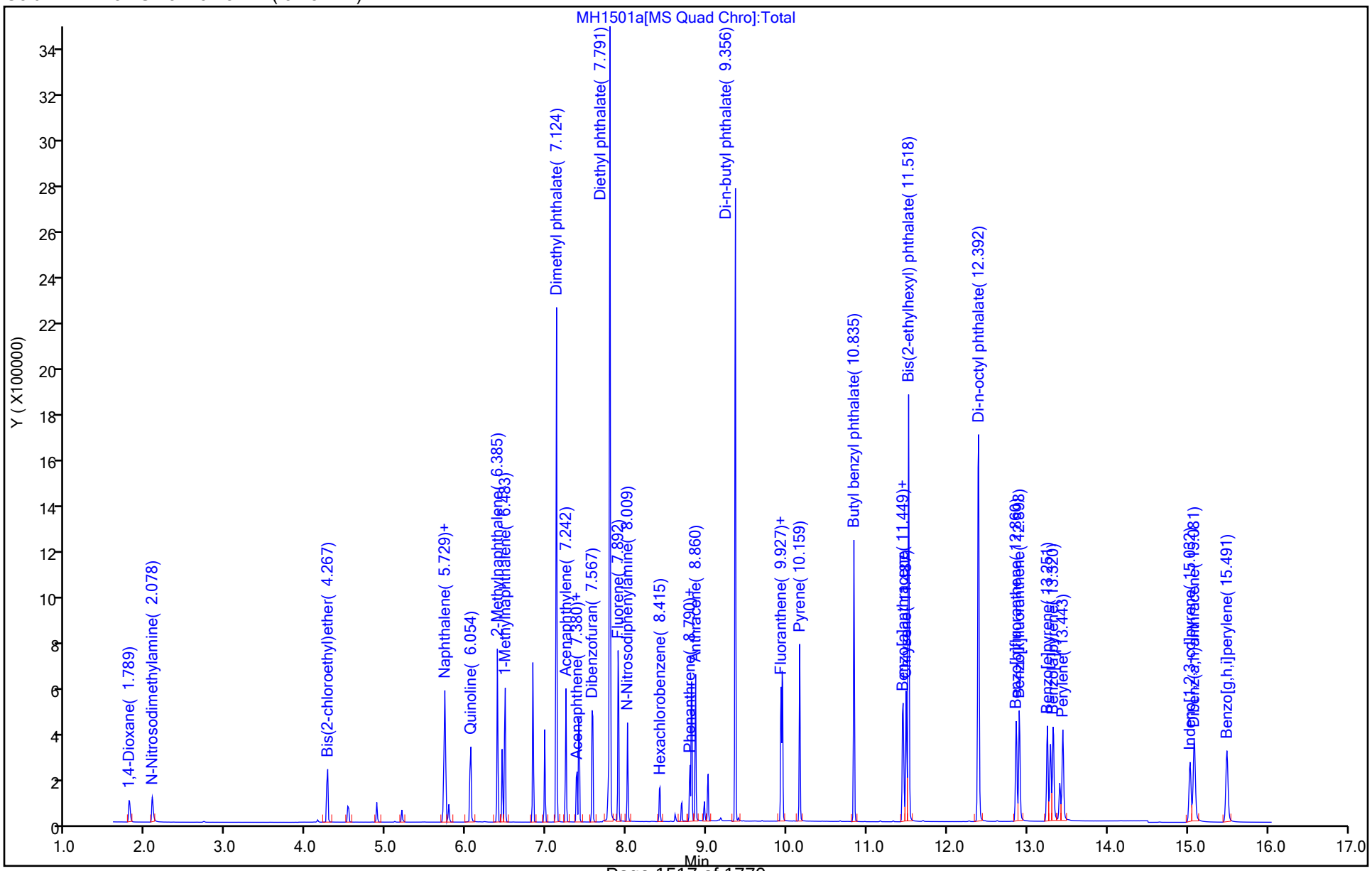
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

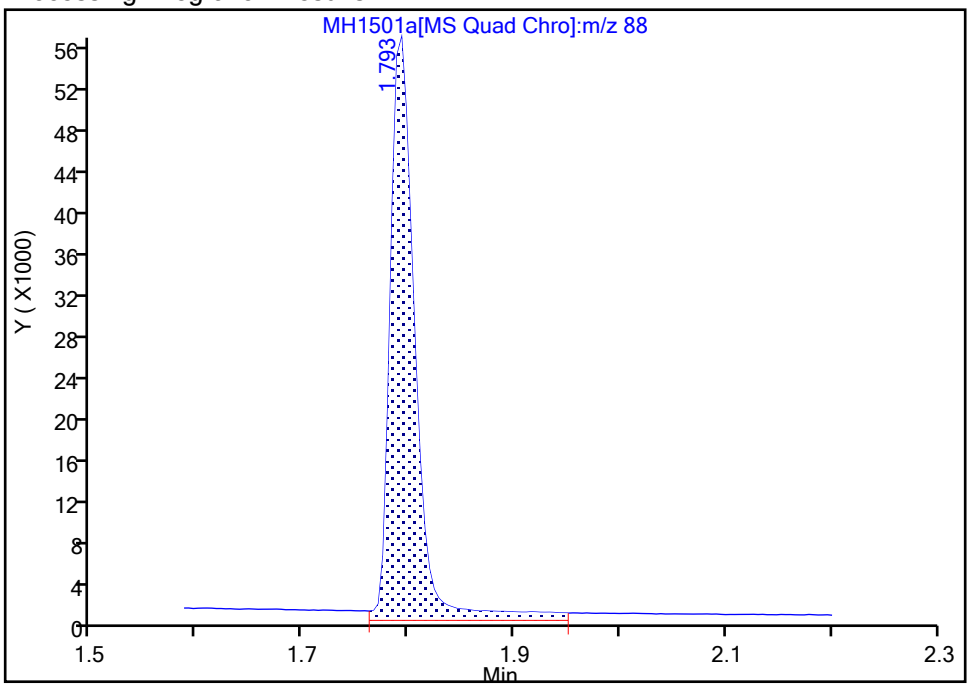
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1501a.D				
Injection Date:	22-Aug-2022 07:11:02	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

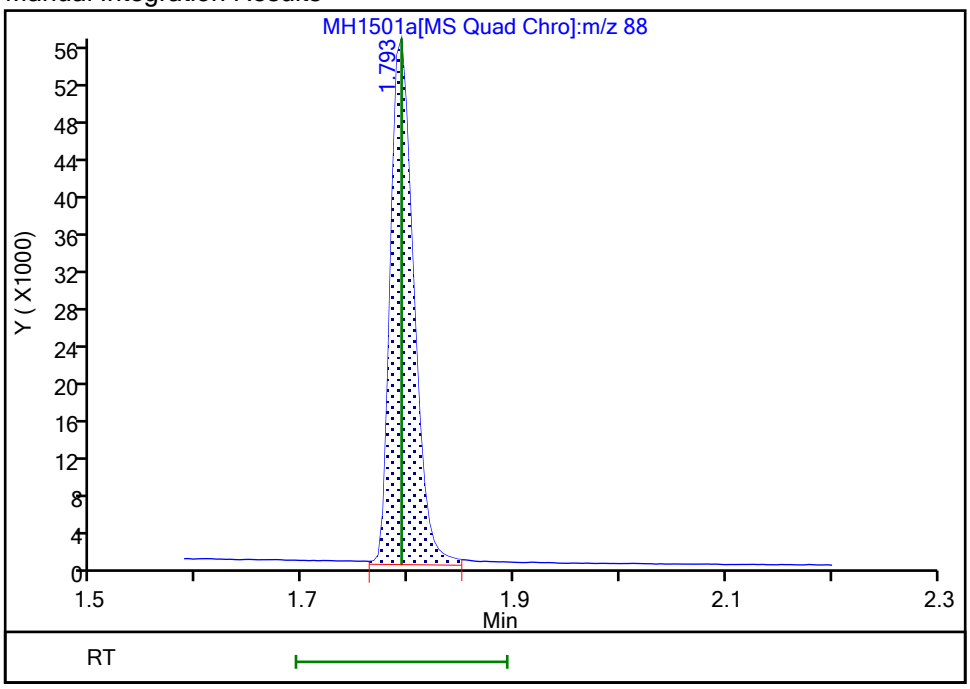
Processing Integration Results

RT: 1.79
Area: 92674
Amount: 0.548651
Amount Units: ug/ml



Manual Integration Results

RT: 1.79
Area: 84772
Amount: 0.501869
Amount Units: ug/ml



Reviewer: UJM0, 22-Aug-2022 07:40:19

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

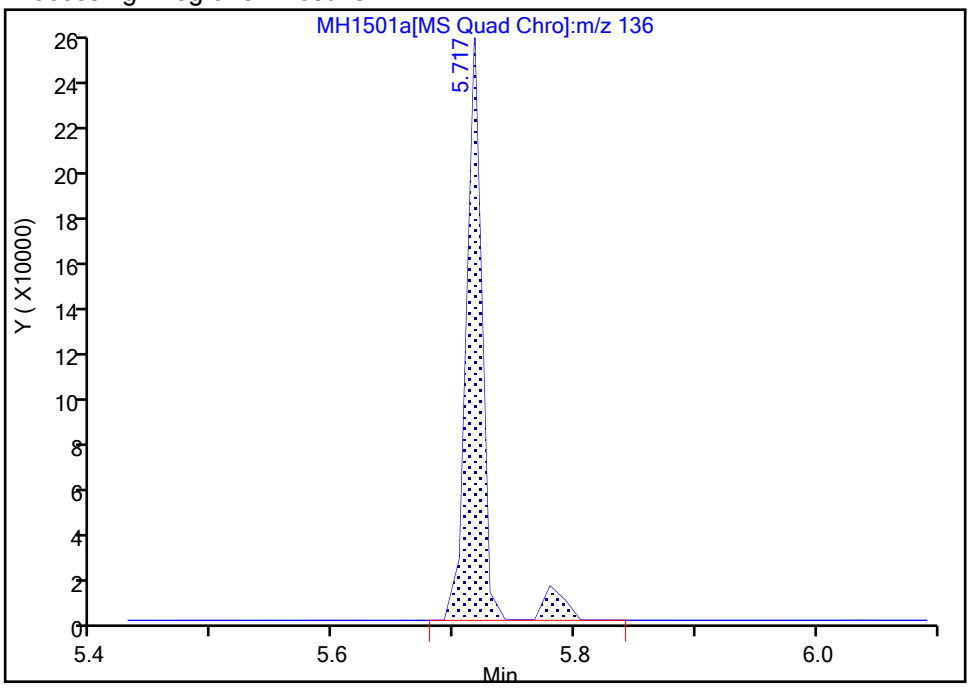
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1501a.D				
Injection Date:	22-Aug-2022 07:11:02	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 5 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

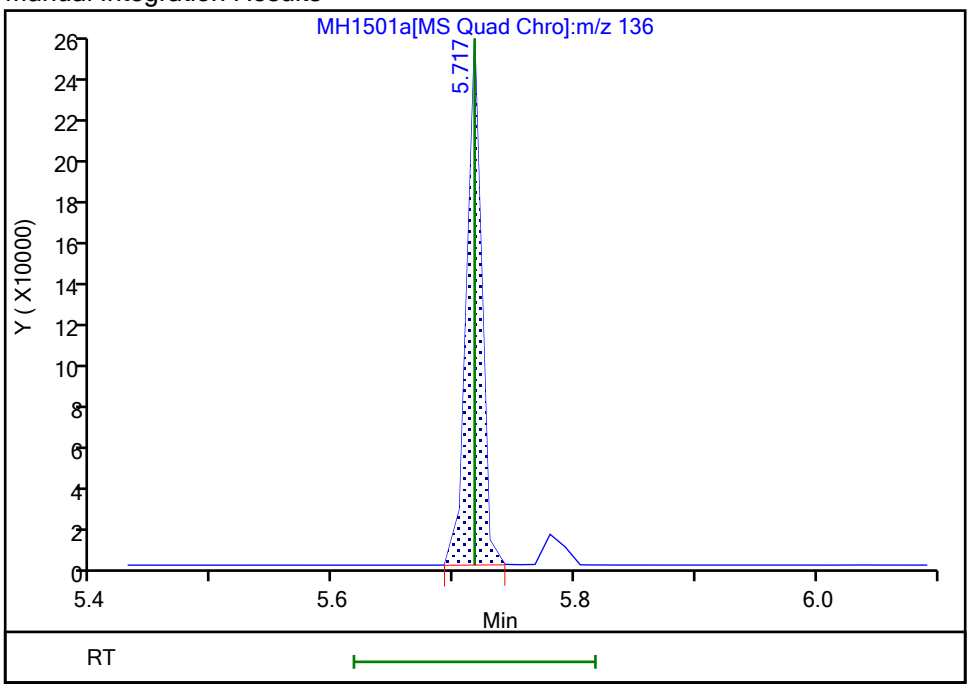
Processing Integration Results

RT: 5.72
Area: 242864
Amount: 0.250000
Amount Units: ug/ml



Manual Integration Results

RT: 5.72
Area: 224058
Amount: 0.250000
Amount Units: ug/ml



Reviewer: UJM0, 22-Aug-2022 07:35:09

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

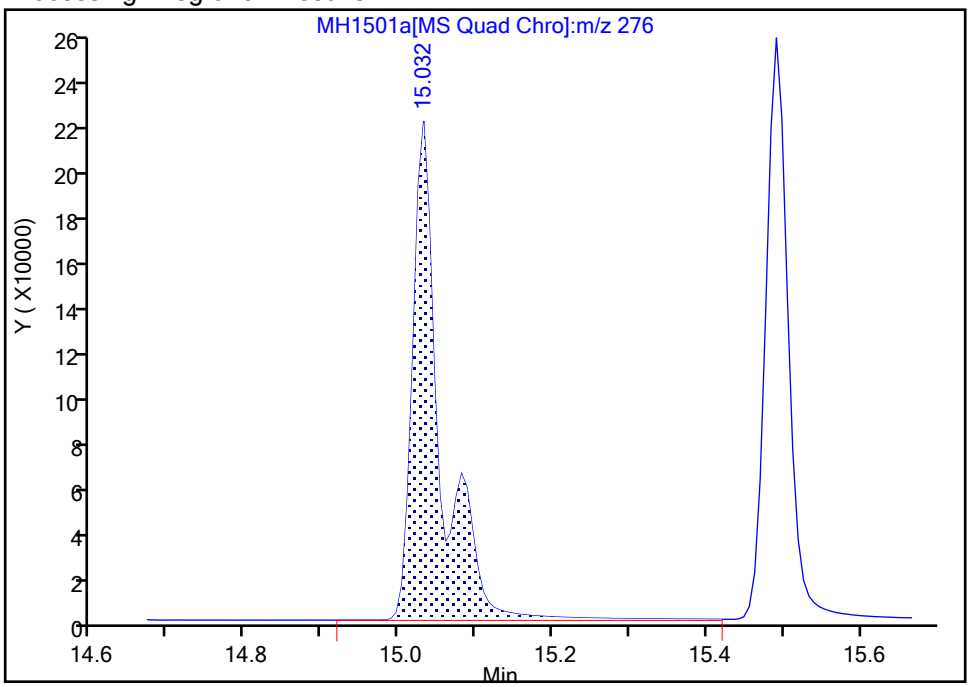
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1501a.D				
Injection Date:	22-Aug-2022 07:11:02	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

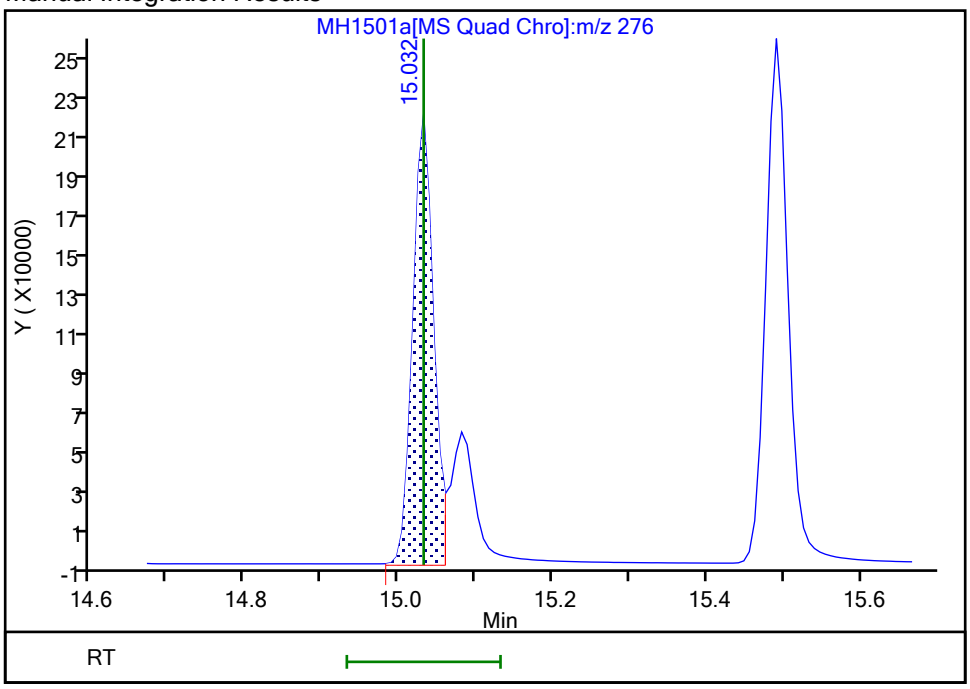
Processing Integration Results

RT: 15.03
Area: 566606
Amount: 0.724992
Amount Units: ug/ml



Manual Integration Results

RT: 15.03
Area: 410010
Amount: 0.524622
Amount Units: ug/ml



Reviewer: UJM0, 22-Aug-2022 07:35:41

Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: ICV 410-250058/9 Calibration Date: 04/29/2022 17:47

Instrument ID: HP23263 Calib Start Date: 04/29/2022 14:59

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/29/2022 17:03

Lab File ID: ND1408.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6943	0.5915		0.426	0.500	-14.8	30.0
N-Nitrosodimethylamine	Ave	0.7701	0.8811		0.572	0.500	14.4	30.0
Bis(2-chloroethyl)ether	Ave	0.4806	0.4446		0.463	0.500	-7.5	30.0
Naphthalene	Ave	1.252	1.143		0.456	0.500	-8.7	30.0
2-Methylnaphthalene	Ave	0.7521	0.6546		0.435	0.500	-13.0	30.0
1-Methylnaphthalene	Ave	0.6832	0.6076		0.445	0.500	-11.1	30.0
Dimethylphthalate	Ave	1.121	1.379		0.615	0.500	23.0	30.0
Acenaphthylene	Ave	2.305	2.033		0.441	0.500	-11.8	30.0
Acenaphthene	Ave	1.376	1.121		0.407	0.500	-18.6	30.0
Dibenzofuran	Ave	2.115	1.864		0.441	0.500	-11.9	30.0
Diethylphthalate	Ave	1.136	1.396		0.614	0.500	22.9	30.0
Fluorene	Ave	1.527	1.340		0.439	0.500	-12.3	30.0
N-Nitrosodiphenylamine	Ave	0.5401	0.6405		0.504	0.425	18.6	30.0
Hexachlorobenzene	Ave	0.2995	0.2575		0.430	0.500	-14.0	30.0
Phenanthrene	Ave	1.322	1.108		0.419	0.500	-16.2	30.0
Anthracene	Ave	1.247	1.078		0.432	0.500	-13.6	30.0
Di-n-butyl phthalate	Ave	0.9268	1.064		0.574	0.500	14.9	30.0
Fluoranthene	Ave	1.264	1.100		0.435	0.500	-13.0	30.0
Pyrene	Ave	2.018	1.695		0.420	0.500	-16.0	30.0
Butylbenzylphthalate	Ave	0.5179	0.5387		0.520	0.500	4.0	30.0
Benzo[a]anthracene	Ave	1.444	1.312		0.454	0.500	-9.1	30.0
Chrysene	Ave	1.643	1.435		0.437	0.500	-12.7	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6716	0.6679		0.497	0.500	-0.5	30.0
Di-n-octyl phthalate	Ave	1.051	1.053		0.501	0.500	0.2	30.0
Benzo[b]fluoranthene	Ave	1.294	1.254		0.485	0.500	-3.1	30.0
Benzo[k]fluoranthene	Ave	1.669	1.706		0.511	0.500	2.2	30.0
Benzo[a]pyrene	Ave	1.375	1.313		0.477	0.500	-4.5	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9239	0.8796		0.476	0.500	-4.8	30.0
Dibenz(a,h)anthracene	Ave	1.087	1.062		0.489	0.500	-2.3	30.0
Benzo[g,h,i]perylene	Ave	1.310	1.266		0.483	0.500	-3.4	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1408.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 29-Apr-2022 17:47:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 410-0056077-009
Operator ID: whs02991 Instrument ID: HP23263
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:46 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 18:27:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.720	1.733	-0.013	95	98526	0.5000	0.4259	
2 N-Nitrosodimethylamine	74	2.022	2.057	-0.035	87	146770	0.5000	0.5721	
3 Bis(2-chloroethyl)ether	93	4.244	4.257	-0.013	99	235947	0.5000	0.4626	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	100	83289	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	265335	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	606534	0.5000	0.4563	
8 2-Methylnaphthalene	142	6.377	6.379	-0.002	95	347386	0.5000	0.4352	
10 1-Methylnaphthalene	142	6.467	6.469	-0.002	99	322441	0.5000	0.4447	
11 Dimethyl phthalate	163	7.108	7.110	-0.002	99	335545	0.5000	0.6150	
12 Acenaphthylene	152	7.228	7.230	-0.002	97	494861	0.5000	0.4411	
* 13 Acenaphthene-d10	164	7.368	7.360	0.008	92	121689	0.2500	0.2500	
14 Acenaphthene	154	7.388	7.390	-0.002	96	272744	0.5000	0.4072	
15 Dibenzofuran	168	7.558	7.561	-0.003	72	453688	0.5000	0.4406	
16 Diethyl phthalate	149	7.782	7.777	0.005	98	339740	0.5000	0.6143	
17 Fluorene	166	7.883	7.885	-0.002	99	326037	0.5000	0.4387	
18 N-Nitrosodiphenylamine	169	7.998	8.001	-0.003	97	220974	0.4250	0.5040	
19 Hexachlorobenzene	284	8.400	8.402	-0.002	90	104503	0.5000	0.4298	
* 20 Phenanthrene-d10	188	8.771	8.773	-0.002	100	202939	0.2500	0.2500	
21 Phenanthrene	178	8.794	8.796	-0.002	100	449861	0.5000	0.4190	
22 Anthracene	178	8.840	8.842	-0.002	100	437394	0.5000	0.4321	
23 Di-n-butyl phthalate	149	9.342	9.337	0.005	100	432017	0.5000	0.5743	
25 Fluoranthene	202	9.925	9.926	-0.001	95	446539	0.5000	0.4351	
26 Pyrene	202	10.138	10.139	-0.001	96	453932	0.5000	0.4199	
27 Butyl benzyl phthalate	149	10.814	10.808	0.006	100	144279	0.5000	0.5201	
28 Benzo[a]anthracene	228	11.413	11.414	-0.001	99	351389	0.5000	0.4544	
* 29 Chrysene-d12	240	11.428	11.429	-0.001	97	133914	0.2500	0.2500	
30 Chrysene	228	11.459	11.460	-0.001	100	384297	0.5000	0.4367	
31 Bis(2-ethylhexyl) phthalate	149	11.489	11.490	-0.001	99	178895	0.5000	0.4973	
32 Di-n-octyl phthalate	149	12.364	12.357	0.007	100	252453	0.5000	0.5008	
33 Benzo[b]fluoranthene	252	12.832	12.832	0.000	100	300713	0.5000	0.4845	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.870	12.871	-0.001	100	409048	0.5000	0.5110	
37 Benzo[a]pyrene	252	13.292	13.293	-0.001	100	314796	0.5000	0.4774	
* 38 Perylene-d12	264	13.376	13.377	-0.001	97	119885	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.987	14.988	-0.001	98	210904	0.5000	0.4760	
41 Dibenz(a,h)anthracene	278	15.044	15.044	0.000	98	254693	0.5000	0.4885	
42 Benzo[g,h,i]perylene	276	15.447	15.440	0.007	99	303526	0.5000	0.4832	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_ICV_00029 Amount Added: 1.00 Units: mL

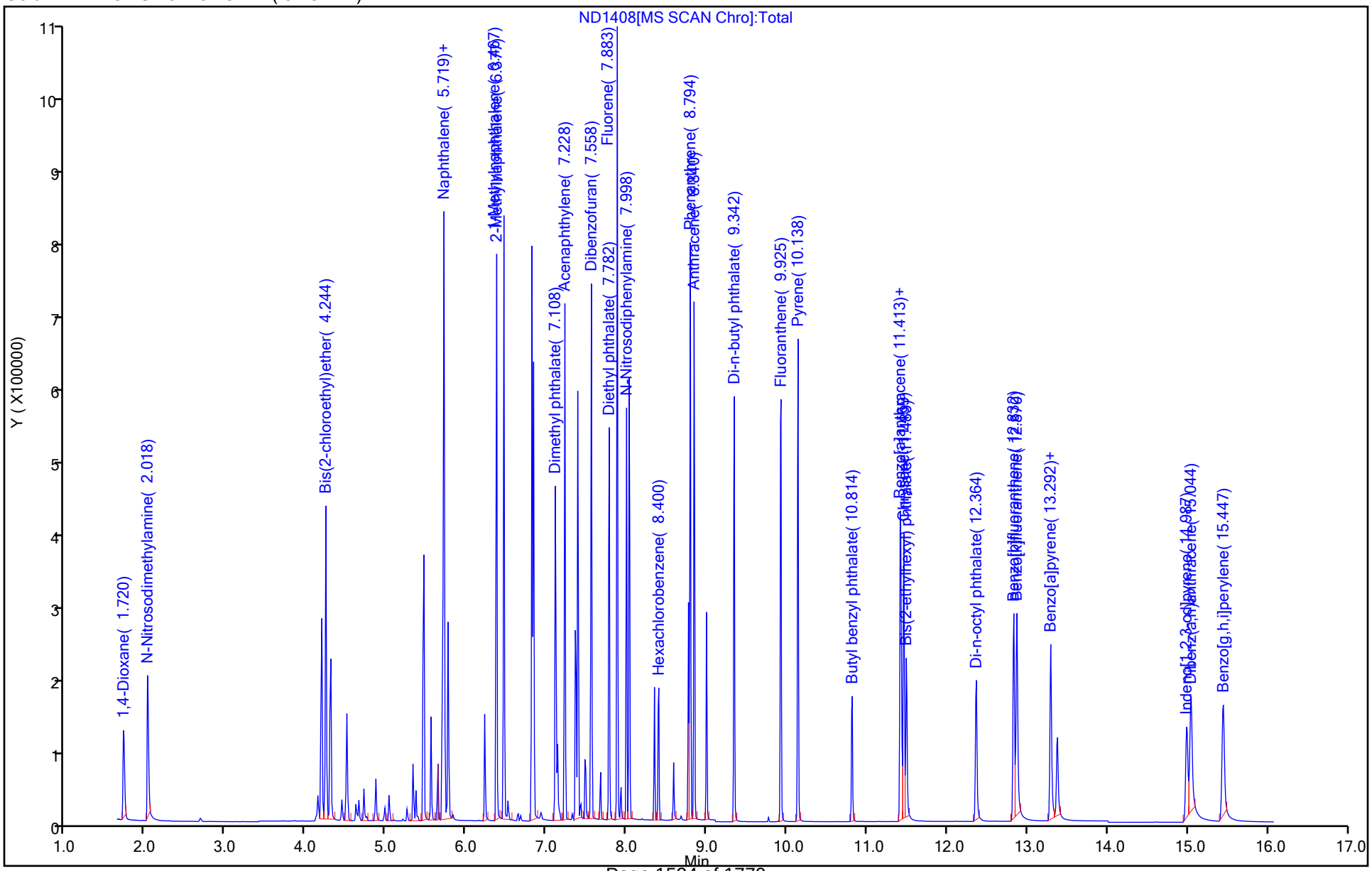
Report Date: 29-Apr-2022 18:28:03 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1408.D

Injection Date:	29-Apr-2022 17:47:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	ICV			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-287123/2 Calibration Date: 08/17/2022 17:51

Instrument ID: HP23263 Calib Start Date: 04/29/2022 14:59

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/29/2022 17:03

Lab File ID: NH1151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6943	0.6024		0.434	0.500	-13.2	20.0
N-Nitrosodimethylamine	Ave	0.7701	0.6844		0.444	0.500	-11.1	20.0
Bis(2-chloroethyl)ether	Ave	0.4806	0.3878		0.404	0.500	-19.3	20.0
Naphthalene	Ave	1.252	1.196		0.477	0.500	-4.5	20.0
Quinoline	Ave	0.7107	0.7283		0.512	0.500	2.5	20.0
2-Methylnaphthalene	Ave	0.7521	0.6967		0.463	0.500	-7.4	20.0
1-Methylnaphthalene	Ave	0.6832	0.6303		0.461	0.500	-7.7	20.0
Dimethylphthalate	Ave	1.121	1.170		2.61	2.50	4.4	20.0
Acenaphthylene	Ave	2.305	2.024		0.439	0.500	-12.2	20.0
Acenaphthene	Ave	1.376	1.223		0.444	0.500	-11.1	20.0
Dibenzofuran	Ave	2.115	1.878		0.444	0.500	-11.2	20.0
Diethylphthalate	Ave	1.136	1.199		2.64	2.50	5.5	20.0
Fluorene	Ave	1.527	1.411		0.462	0.500	-7.6	20.0
N-Nitrosodiphenylamine	Ave	0.5401	0.4640		0.430	0.500	-14.1	20.0
Hexachlorobenzene	Ave	0.2995	0.2713		0.453	0.500	-9.4	20.0
Phenanthrene	Ave	1.322	1.130		0.427	0.500	-14.6	20.0
Anthracene	Ave	1.247	1.097		0.440	0.500	-12.0	20.0
Di-n-butyl phthalate	Ave	0.9268	0.9731		2.63	2.50	5.0	20.0
Fluoranthene	Ave	1.264	1.121		0.443	0.500	-11.3	20.0
Pyrene	Ave	2.018	1.699		0.421	0.500	-15.8	20.0
Butylbenzylphthalate	Ave	0.5179	0.5875		2.84	2.50	13.4	20.0
Benzo[a]anthracene	Ave	1.444	1.351		0.468	0.500	-6.4	20.0
Chrysene	Ave	1.643	1.446		0.440	0.500	-12.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6716	0.7601		2.83	2.50	13.2	20.0
Di-n-octyl phthalate	Ave	1.051	1.274		3.03	2.50	21.2*	20.0
Benzo[b]fluoranthene	Ave	1.294	1.396		0.539	0.500	7.9	20.0
Benzo[k]fluoranthene	Ave	1.669	1.462		0.438	0.500	-12.4	20.0
Benzo[e]pyrene	Ave	1.415	1.352		0.478	0.500	-4.4	20.0
Benzo[a]pyrene	Ave	1.375	1.302		0.473	0.500	-5.3	20.0
Perylene	Ave	1.489	1.359		0.457	0.500	-8.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9239	0.9855		0.533	0.500	6.7	20.0
Dibenz(a,h)anthracene	Ave	1.087	1.135		0.522	0.500	4.4	20.0
Benzo[g,h,i]perylene	Ave	1.310	1.332		0.508	0.500	1.7	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.5450	0.5036		0.462	0.500	-7.6	20.0
Fluoranthene-d10 (Surr)	Ave	1.012	0.9489		0.469	0.500	-6.3	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.9445	0.9424		0.499	0.500	-0.2	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1151.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Aug-2022 17:51:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 410-0064397-002
Operator ID: kel10217 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 18-Aug-2022 04:02:33 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: UJM0 Date: 18-Aug-2022 04:02:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.508	1.508	0.000	96	63078	0.5000	0.4338	
2 N-Nitrosodimethylamine	74	1.836	1.836	0.000	91	71663	0.5000	0.4443	
3 Bis(2-chloroethyl)ether	93	4.117	4.117	0.000	97	140798	0.5000	0.4035	M
* 4 1,4-Dichlorobenzene-d4	152	4.380	4.380	0.000	98	52357	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.592	5.592	0.000	100	181514	0.2500	0.2500	M
6 Naphthalene	128	5.604	5.604	0.000	100	434072	0.5000	0.4774	
7 Quinoline	129	5.929	5.929	0.000	98	264390	0.5000	0.5124	
8 2-Methylnaphthalene	142	6.264	6.264	0.000	100	252931	0.5000	0.4632	
$ 9 1-Methylnaphthalene-d10	152	6.324	6.324	0.000	99	182828	0.5000	0.4621	
10 1-Methylnaphthalene	142	6.355	6.355	0.000	95	228830	0.5000	0.4613	
11 Dimethyl phthalate	163	7.016	7.016	0.000	96	991234	2.50	2.61	
12 Acenaphthylene	152	7.116	7.116	0.000	100	342831	0.5000	0.4390	
* 13 Acenaphthene-d10	164	7.256	7.256	0.000	99	84703	0.2500	0.2500	
14 Acenaphthene	154	7.286	7.286	0.000	91	207146	0.5000	0.4443	
15 Dibenzofuran	168	7.456	7.456	0.000	67	318109	0.5000	0.4438	
16 Diethyl phthalate	149	7.680	7.680	0.000	100	1015760	2.50	2.64	
17 Fluorene	166	7.772	7.772	0.000	97	238957	0.5000	0.4619	
18 N-Nitrosodiphenylamine	169	7.896	7.896	0.000	99	137343	0.5000	0.4295	
19 Hexachlorobenzene	284	8.290	8.290	0.000	95	80299	0.5000	0.4528	
* 20 Phenanthrene-d10	188	8.660	8.660	0.000	99	148009	0.2500	0.2500	
21 Phenanthrene	178	8.684	8.684	0.000	100	334416	0.5000	0.4271	
22 Anthracene	178	8.738	8.738	0.000	100	324659	0.5000	0.4398	
23 Di-n-butyl phthalate	149	9.240	9.240	0.000	100	1440331	2.50	2.63	
$ 24 Fluoranthene-d10 (Surr)	212	9.798	9.798	0.000	97	280894	0.5000	0.4687	
25 Fluoranthene	202	9.810	9.810	0.000	100	331863	0.5000	0.4434	
26 Pyrene	202	10.030	10.030	0.000	96	355617	0.5000	0.4208	
27 Butyl benzyl phthalate	149	10.690	10.690	0.000	100	614942	2.50	2.84	
28 Benzo[a]anthracene	228	11.265	11.265	0.000	99	282760	0.5000	0.4678	
* 29 Chrysene-d12	240	11.280	11.280	0.000	93	104678	0.2500	0.2500	
30 Chrysene	228	11.303	11.303	0.000	100	302633	0.5000	0.4399	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.342	11.342	0.000	99	795629	2.50	2.83	
32 Di-n-octyl phthalate	149	12.178	12.178	0.000	100	1346933	2.50	3.03	
33 Benzo[b]fluoranthene	252	12.630	12.630	0.000	100	295142	0.5000	0.5393	
34 Benzo[k]fluoranthene	252	12.668	12.668	0.000	100	309090	0.5000	0.4379	
35 Benzo[e]pyrene	252	13.006	13.006	0.000	100	285871	0.5000	0.4778	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.044	13.044	0.000	98	199262	0.5000	0.4989	
37 Benzo[a]pyrene	252	13.075	13.075	0.000	100	275269	0.5000	0.4734	
* 38 Perylene-d12	264	13.159	13.159	0.000	97	105717	0.2500	0.2500	
39 Perylene	252	13.198	13.198	0.000	100	287433	0.5000	0.4565	
40 Indeno[1,2,3-cd]pyrene	276	14.703	14.703	0.000	97	208373	0.5000	0.5334	
41 Dibenz(a,h)anthracene	278	14.745	14.745	0.000	97	239886	0.5000	0.5218	
42 Benzo[g,h,i]perylene	276	15.120	15.120	0.000	100	281563	0.5000	0.5083	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00024 Amount Added: 1.00 Units: mL

Report Date: 18-Aug-2022 04:02:34 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1151.D

Injection Date: 17-Aug-2022 17:51:30 Instrument ID: HP23263 Operator ID: kel10217

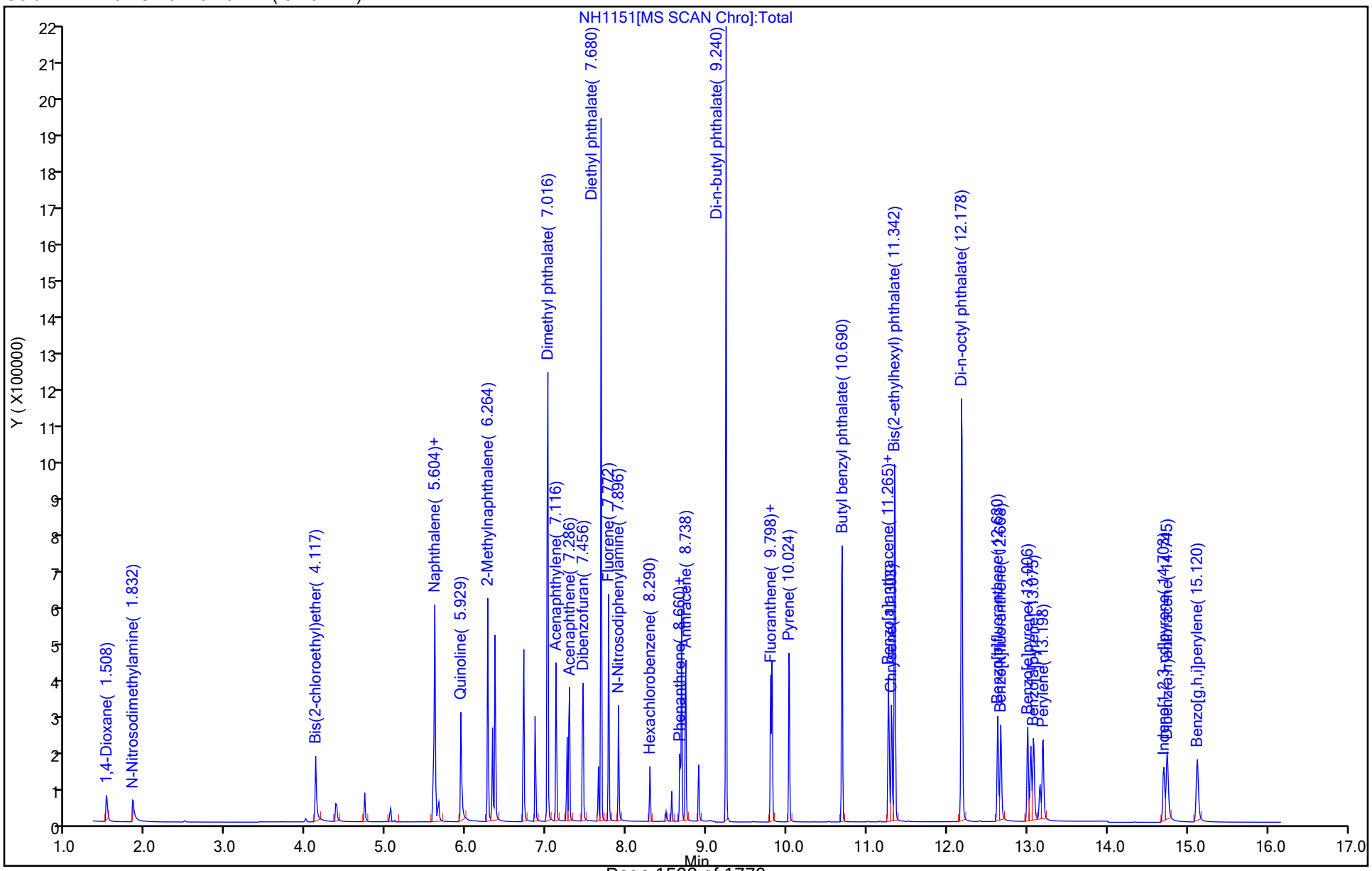
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

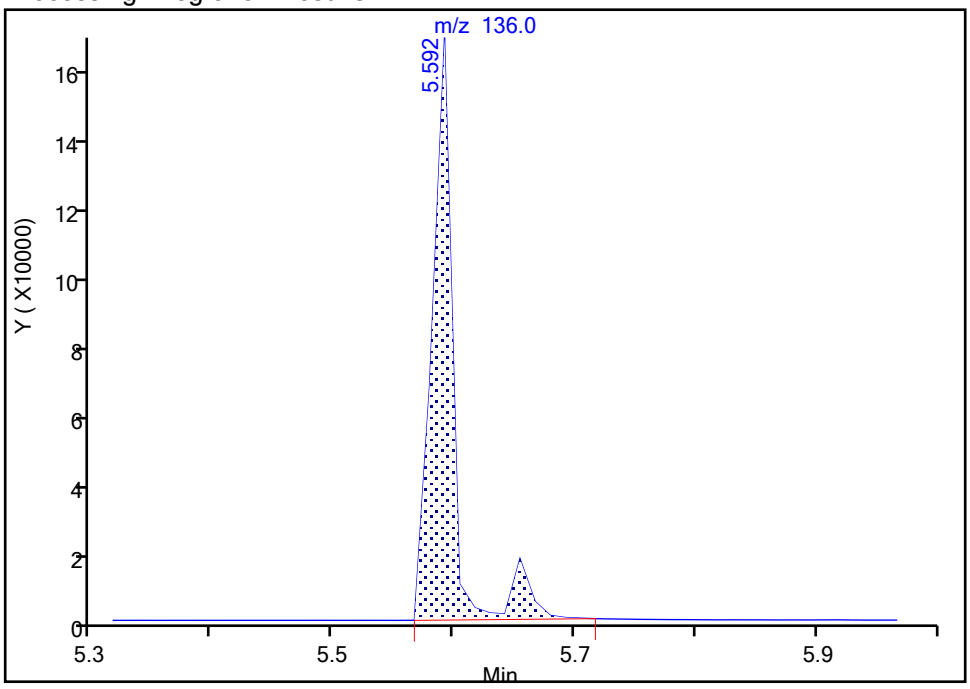
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1151.D
Injection Date: 17-Aug-2022 17:51:30 Instrument ID: HP23263
Lims ID: CCVIS
Client ID:
Operator ID: kel10217 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

* 5 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

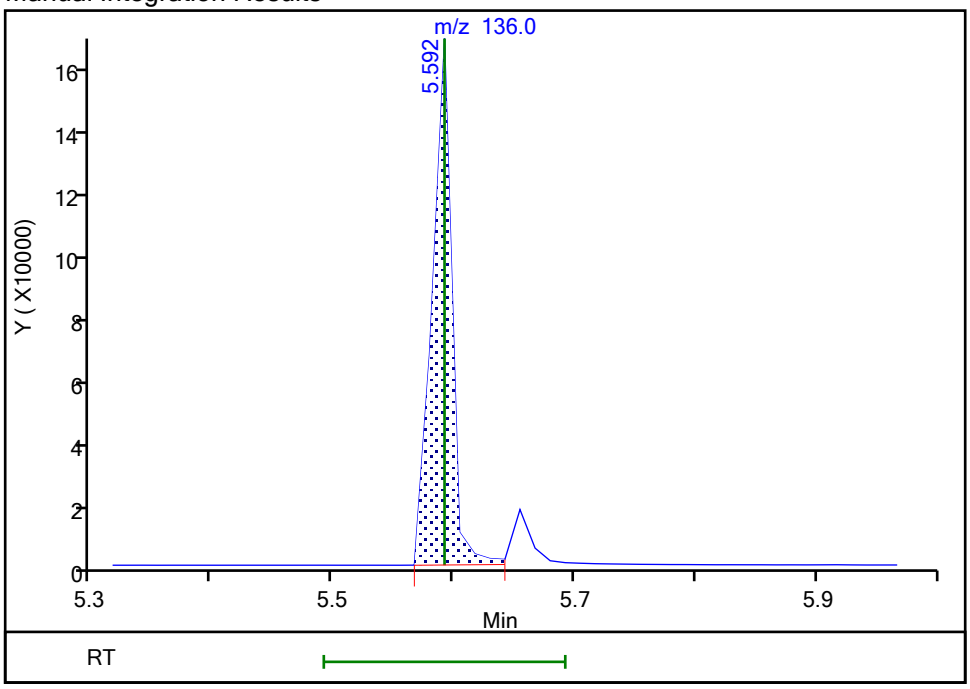
RT: 5.59
Area: 199581
Amount: 0.250000
Amount Units: ug/ml

Processing Integration Results



RT: 5.59
Area: 181514
Amount: 0.250000
Amount Units: ug/ml

Manual Integration Results



Reviewer: SJ89, 17-Aug-2022 18:14:04
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

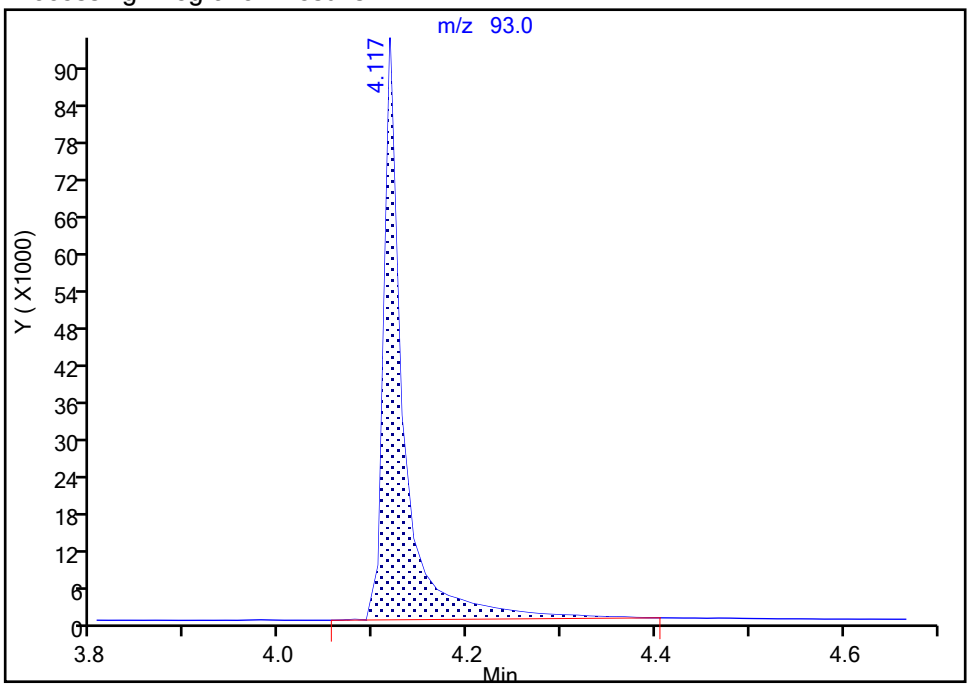
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1151.D				
Injection Date:	17-Aug-2022 17:51:30	Instrument ID:	HP23263		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

3 Bis(2-chloroethyl)ether, CAS: 111-44-4

Signal: 1

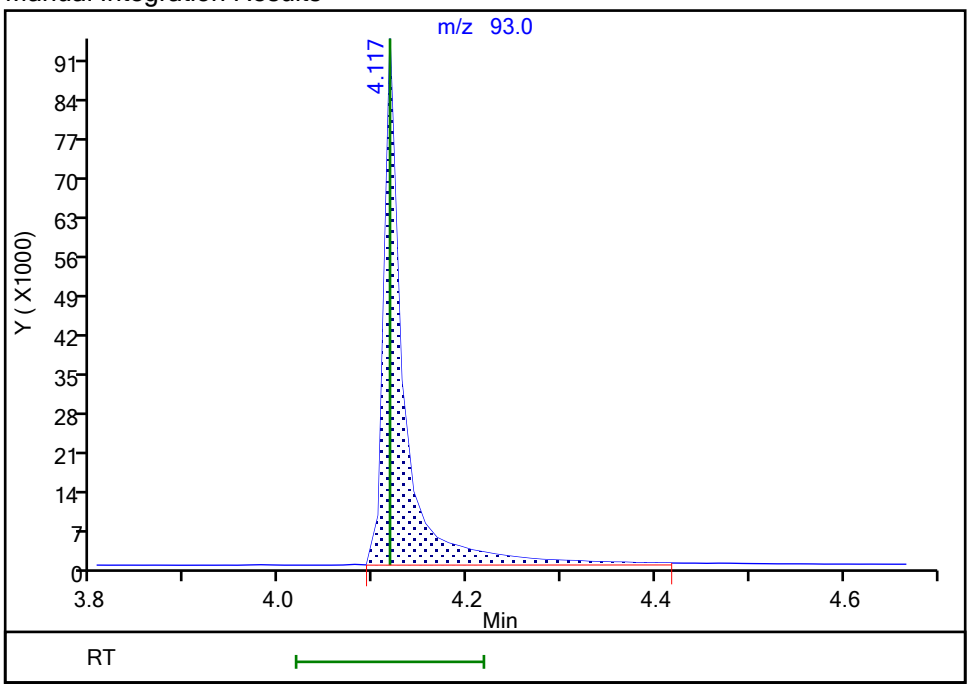
Processing Integration Results

RT: 4.12
Area: 136859
Amount: 0.392219
Amount Units: ug/ml



Manual Integration Results

RT: 4.12
Area: 140798
Amount: 0.403508
Amount Units: ug/ml



Reviewer: SJ89, 17-Aug-2022 18:14:47

Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Lab Sample ID: CCVIS 410-287637/2 Calibration Date: 08/19/2022 04:38

Instrument ID: HP23263 Calib Start Date: 04/29/2022 14:59

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/29/2022 17:03

Lab File ID: NH1301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6943	0.5993		0.432	0.500	-13.7	20.0
N-Nitrosodimethylamine	Ave	0.7701	0.6862		0.446	0.500	-10.9	20.0
Bis(2-chloroethyl)ether	Ave	0.4806	0.3816		0.397	0.500	-20.6*	20.0
Naphthalene	Ave	1.252	1.195		0.477	0.500	-4.6	20.0
Quinoline	Ave	0.7107	0.7435		0.523	0.500	4.6	20.0
2-Methylnaphthalene	Ave	0.7521	0.6968		0.463	0.500	-7.4	20.0
1-Methylnaphthalene	Ave	0.6832	0.6482		0.474	0.500	-5.1	20.0
Dimethylphthalate	Ave	1.121	1.187		2.65	2.50	5.9	20.0
Acenaphthylene	Ave	2.305	2.142		0.465	0.500	-7.1	20.0
Acenaphthene	Ave	1.376	1.232		0.448	0.500	-10.4	20.0
Dibenzofuran	Ave	2.115	1.941		0.459	0.500	-8.2	20.0
Diethylphthalate	Ave	1.136	1.167		2.57	2.50	2.7	20.0
Fluorene	Ave	1.527	1.417		0.464	0.500	-7.2	20.0
N-Nitrosodiphenylamine	Ave	0.5401	0.4746		0.439	0.500	-12.1	20.0
Hexachlorobenzene	Ave	0.2995	0.2812		0.469	0.500	-6.1	20.0
Phenanthrene	Ave	1.322	1.171		0.443	0.500	-11.5	20.0
Anthracene	Ave	1.247	1.076		0.431	0.500	-13.7	20.0
Di-n-butyl phthalate	Ave	0.9268	0.9617		2.59	2.50	3.8	20.0
Fluoranthene	Ave	1.264	1.119		0.443	0.500	-11.5	20.0
Pyrene	Ave	2.018	1.703		0.422	0.500	-15.6	20.0
Butylbenzylphthalate	Ave	0.5179	0.5963		2.88	2.50	15.1	20.0
Benzo[a]anthracene	Ave	1.444	1.373		0.476	0.500	-4.9	20.0
Chrysene	Ave	1.643	1.446		0.440	0.500	-12.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6716	0.7626		2.84	2.50	13.6	20.0
Di-n-octyl phthalate	Ave	1.051	1.202		2.86	2.50	14.4	20.0
Benzo[b]fluoranthene	Ave	1.294	1.344		0.519	0.500	3.8	20.0
Benzo[k]fluoranthene	Ave	1.669	1.474		0.441	0.500	-11.7	20.0
Benzo[e]pyrene	Ave	1.415	1.309		0.462	0.500	-7.5	20.0
Benzo[a]pyrene	Ave	1.375	1.282		0.466	0.500	-6.8	20.0
Perylene	Ave	1.489	1.325		0.445	0.500	-11.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9239	1.015		0.549	0.500	9.8	20.0
Dibenz(a,h)anthracene	Ave	1.087	1.191		0.548	0.500	9.5	20.0
Benzo[g,h,i]perylene	Ave	1.310	1.319		0.503	0.500	0.7	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.5450	0.5202		0.477	0.500	-4.5	20.0
Fluoranthene-d10 (Surr)	Ave	1.012	0.9548		0.472	0.500	-5.7	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.9445	0.9296		0.492	0.500	-1.6	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1301.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-Aug-2022 04:38:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 410-0064507-002
Operator ID: jmg00346 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 09:09:33 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 09:09:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.486	1.486	0.000	96	63191	0.5000	0.4316	
2 N-Nitrosodimethylamine	74	1.814	1.814	0.000	91	72359	0.5000	0.4456	
3 Bis(2-chloroethyl)ether	93	4.105	4.105	0.000	95	135228	0.5000	0.3970	
* 4 1,4-Dichlorobenzene-d4	152	4.367	4.367	0.000	97	52721	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.579	5.579	0.000	100	177195	0.2500	0.2500	M
6 Naphthalene	128	5.592	5.592	0.000	100	423345	0.5000	0.4769	
7 Quinoline	129	5.917	5.917	0.000	99	263475	0.5000	0.5231	
8 2-Methylnaphthalene	142	6.254	6.254	0.000	97	246936	0.5000	0.4632	
$ 9 1-Methylnaphthalene-d10	152	6.314	6.314	0.000	98	184348	0.5000	0.4773	
10 1-Methylnaphthalene	142	6.344	6.344	0.000	98	229702	0.5000	0.4744	
11 Dimethyl phthalate	163	6.995	6.995	0.000	98	956711	2.50	2.65	
12 Acenaphthylene	152	7.106	7.106	0.000	99	345201	0.5000	0.4647	
* 13 Acenaphthene-d10	164	7.246	7.246	0.000	95	80566	0.2500	0.2500	
14 Acenaphthene	154	7.266	7.266	0.000	91	198550	0.5000	0.4478	
15 Dibenzofuran	168	7.436	7.436	0.000	73	312738	0.5000	0.4588	
16 Diethyl phthalate	149	7.664	7.664	0.000	98	939816	2.50	2.57	
17 Fluorene	166	7.765	7.765	0.000	99	228285	0.5000	0.4640	
18 N-Nitrosodiphenylamine	169	7.888	7.888	0.000	96	133662	0.5000	0.4393	
19 Hexachlorobenzene	284	8.274	8.274	0.000	98	79203	0.5000	0.4694	
* 20 Phenanthrene-d10	188	8.653	8.653	0.000	100	140823	0.2500	0.2500	
21 Phenanthrene	178	8.668	8.668	0.000	100	329799	0.5000	0.4427	
22 Anthracene	178	8.722	8.722	0.000	100	302952	0.5000	0.4313	
23 Di-n-butyl phthalate	149	9.227	9.227	0.000	100	1354256	2.50	2.59	
$ 24 Fluoranthene-d10 (Surr)	212	9.785	9.785	0.000	97	268924	0.5000	0.4716	
25 Fluoranthene	202	9.798	9.798	0.000	100	315158	0.5000	0.4425	
26 Pyrene	202	10.011	10.011	0.000	99	331900	0.5000	0.4219	
27 Butyl benzyl phthalate	149	10.674	10.674	0.000	100	581100	2.50	2.88	
28 Benzo[a]anthracene	228	11.250	11.250	0.000	99	267690	0.5000	0.4757	
* 29 Chrysene-d12	240	11.257	11.257	0.000	72	97449	0.2500	0.2500	
30 Chrysene	228	11.288	11.288	0.000	100	281886	0.5000	0.4401	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.326	11.326	0.000	99	743156	2.50	2.84	
32 Di-n-octyl phthalate	149	12.162	12.162	0.000	100	1241507	2.50	2.86	
33 Benzo[b]fluoranthene	252	12.607	12.607	0.000	100	277497	0.5000	0.5191	
34 Benzo[k]fluoranthene	252	12.645	12.645	0.000	100	304326	0.5000	0.4414	
35 Benzo[e]pyrene	252	12.983	12.983	0.000	100	270255	0.5000	0.4624	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.021	13.021	0.000	99	191989	0.5000	0.4921	
37 Benzo[a]pyrene	252	13.052	13.052	0.000	100	264675	0.5000	0.4660	
* 38 Perylene-d12	264	13.136	13.136	0.000	97	103261	0.2500	0.2500	
39 Perylene	252	13.167	13.167	0.000	100	273703	0.5000	0.4451	
40 Indeno[1,2,3-cd]pyrene	276	14.675	14.675	0.000	97	209539	0.5000	0.5491	
41 Dibenz(a,h)anthracene	278	14.717	14.717	0.000	98	245932	0.5000	0.5476	
42 Benzo[g,h,i]perylene	276	15.091	15.091	0.000	99	272361	0.5000	0.5034	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00024 Amount Added: 1.00 Units: mL

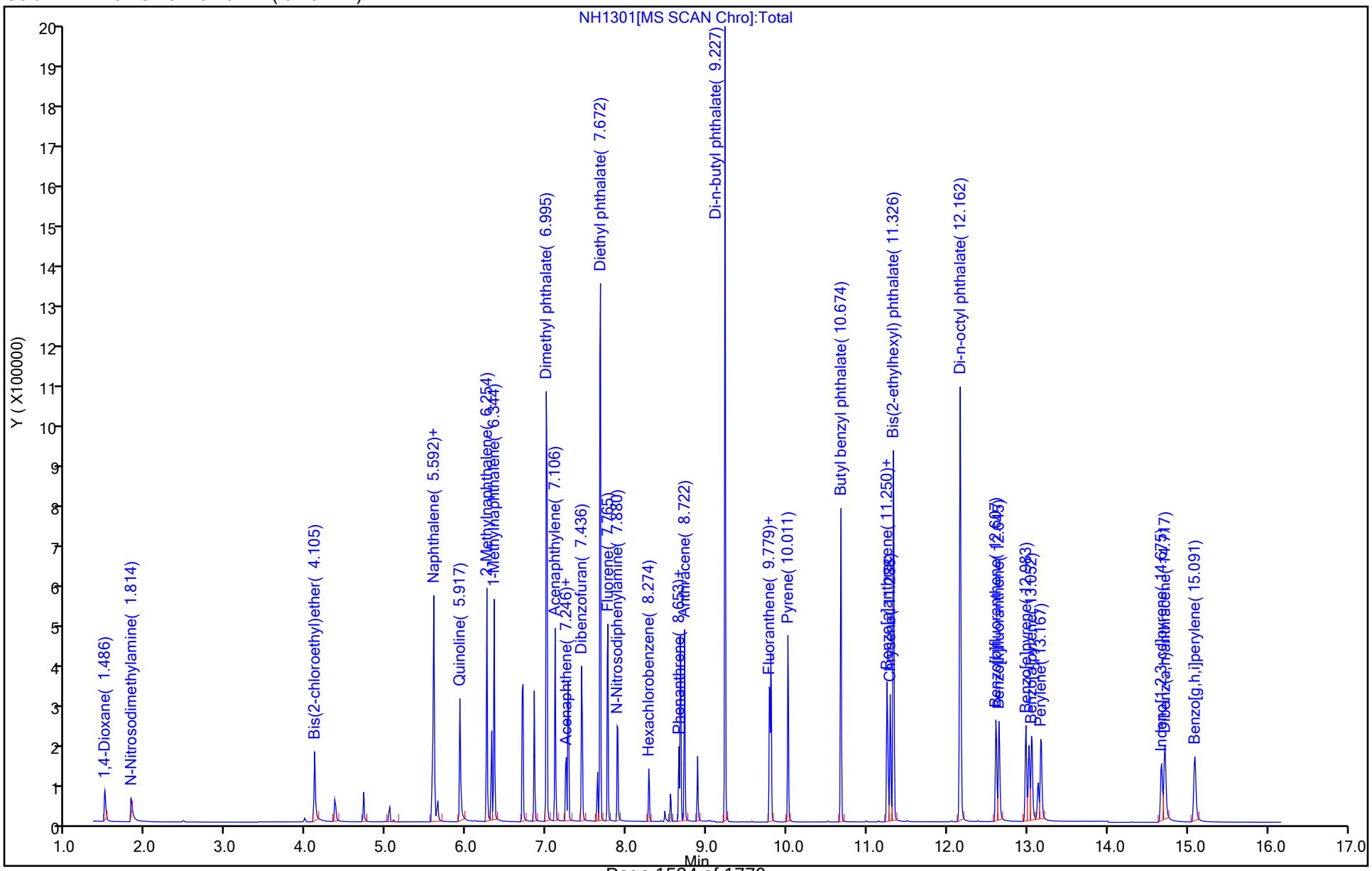
Report Date: 19-Aug-2022 09:09:34 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1301.D

Injection Date:	19-Aug-2022 04:38:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

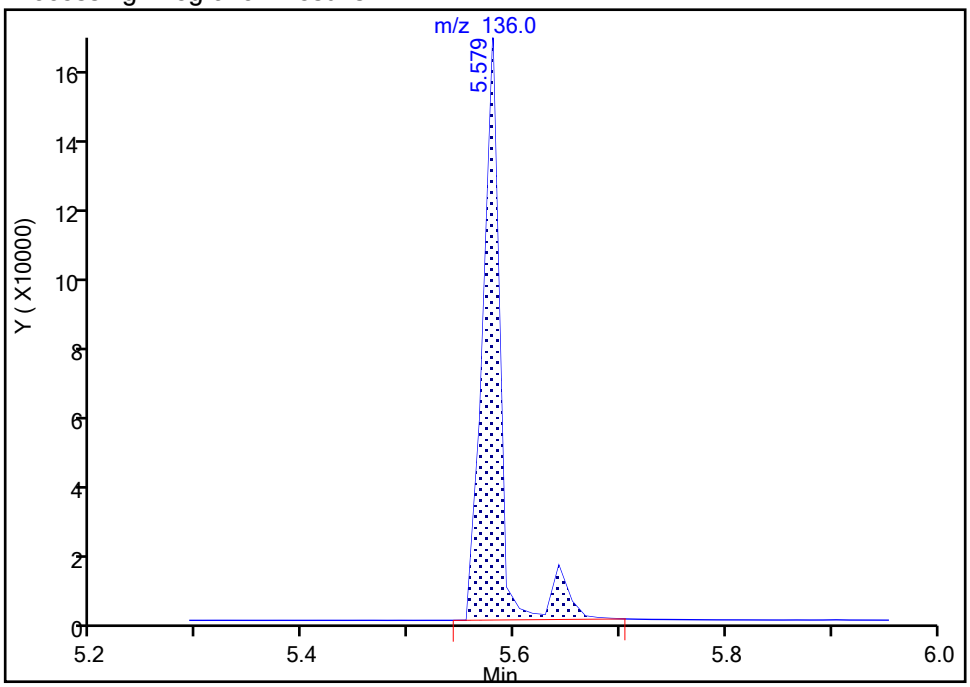
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1301.D
Injection Date: 19-Aug-2022 04:38:30 Instrument ID: HP23263
Lims ID: CCVIS
Client ID:
Operator ID: jmg00346 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

* 5 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

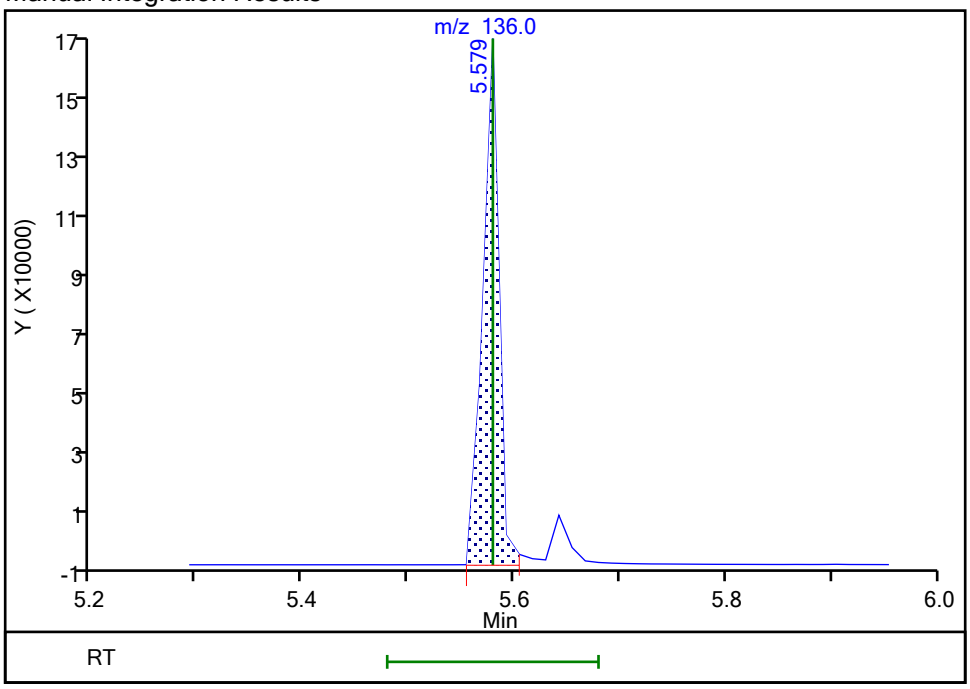
Processing Integration Results

RT: 5.58
Area: 196605
Amount: 0.250000
Amount Units: ug/ml



Manual Integration Results

RT: 5.58
Area: 177195
Amount: 0.250000
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 07:01:28
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1350.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 28-Jul-2022 18:23:12 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0062933-001
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Jul-2022 12:03:29 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: UJM0 Date: 29-Jul-2022 06:54:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
44 Pentachlorophenol_T	266	5.174	5.174	0.000	0	585346	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.433	6.433	0.000	0	1538713	NR	NR	
48 4,4'-DDD	235	6.885	6.885	0.000	0	3446		NR	
49 4,4'-DDT	235	7.154	7.154	0.000	0	765254	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

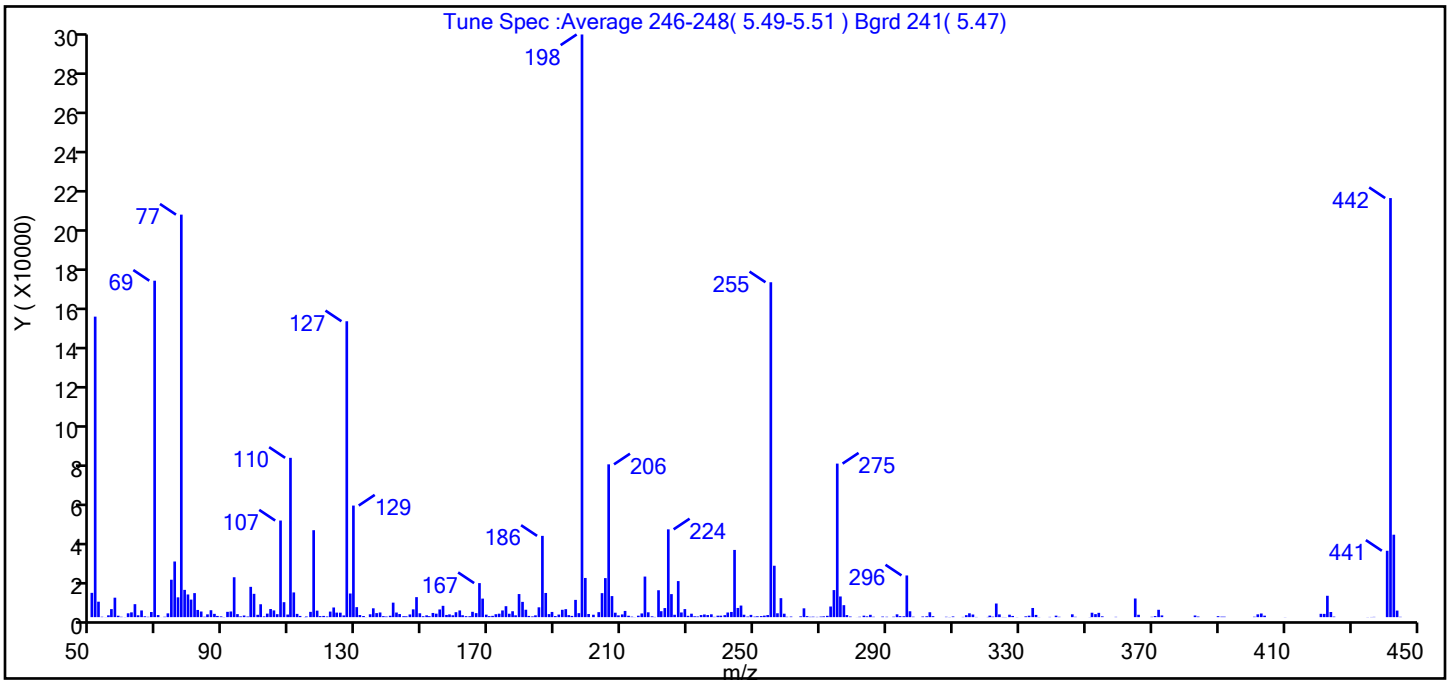
MSS_RVDFTPP_00011 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1350.D
Injection Date: 28-Jul-2022 18:23:12 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM
Tune Method: DFTPP Method 8270D, BP 198

45 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (139.0)
51	10-80% of the base peak	51.6
68	<2% of mass 69	0.9 (1.5)
69	Present	57.7
70	<2% of mass 69	0.4 (0.6)
127	10-80% of the base peak	50.8
197	<2% of mass 198	0.7
199	5-9% of mass 198	6.7
275	10-60% of the base peak	26.4
365	>1% of mass 198	3.2
441	present but <24% of mass 442	11.4 (15.8)
442	base peak, or >50% of 198	71.9
443	15-24% of mass 442	14.1 (19.7)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1350.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 28-Jul-2022 18:23:12
Spectrum: Tune Spec :Average 246-248(5.49-5.51) Bgrd 241(5.47)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	12113	128.00	11793	207.00	10502	290.00	196
51.00	149888	129.00	55656	208.00	2211	292.00	235
52.00	7705	130.00	4987	209.00	887	293.00	1406
53.00	207	131.00	1053	210.00	1359	294.00	493
54.00	39	132.00	571	211.00	3099	295.00	437
55.00	904	133.00	41	212.00	703	296.00	20800
56.00	4009	134.00	1429	213.00	248	297.00	2930
57.00	9705	135.00	4412	214.00	52	298.00	236
58.00	714	136.00	2018	215.00	724	301.00	322
59.00	191	137.00	2329	216.00	1852	302.00	436
60.00	48	138.00	496	217.00	20240	303.00	2441
61.00	1918	139.00	308	218.00	2414	304.00	482
62.00	2387	140.00	707	219.00	397	308.00	187
63.00	6474	141.00	7232	220.00	107	309.00	82
64.00	920	142.00	2296	221.00	13415	310.00	343
65.00	3341	143.00	1545	222.00	2963	313.00	119
66.00	406	144.00	465	223.00	4532	314.00	969
67.00	175	145.00	412	224.00	43792	315.00	1919
68.00	2555	146.00	1343	225.00	11489	316.00	1315
69.00	167808	147.00	3890	226.00	1184	317.00	99
70.00	1034	148.00	9982	227.00	17984	320.00	107
71.00	18	149.00	1927	228.00	2332	321.00	761
72.00	200	150.00	459	229.00	4019	322.00	230
73.00	1895	151.00	897	230.00	673	323.00	6799
74.00	18664	152.00	485	231.00	1720	324.00	1367
75.00	27752	153.00	2092	232.00	421	325.00	87
76.00	9883	154.00	1729	233.00	336	326.00	73
77.00	200768	155.00	3835	234.00	1036	327.00	1219
78.00	13603	156.00	5647	235.00	1331	328.00	601
79.00	11311	157.00	1099	236.00	1036	329.00	53
80.00	8747	158.00	1365	237.00	1413	332.00	400
81.00	11986	159.00	926	238.00	148	333.00	721
82.00	3592	160.00	2464	239.00	731	334.00	4570

Report Date: 29-Jul-2022 12:03:30 Chrom Revision: 2.3 19-Jul-2022 21:48:42
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1350.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 28-Jul-2022 18:23:12
Spectrum: Tune Spec :Average 246-248(5.49-5.51) Bgrd 241(5.47)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	2814	161.00	3339	240.00	734	335.00	1114
84.00	217	162.00	934	241.00	986	336.00	81
85.00	1393	163.00	484	242.00	2316	339.00	121
86.00	3449	164.00	448	243.00	2591	341.00	739
87.00	1642	165.00	2663	244.00	33528	342.00	183
88.00	604	166.00	2003	245.00	4581	346.00	1412
89.00	377	167.00	16976	246.00	5778	347.00	175
90.00	73	168.00	9249	247.00	1197	351.00	61
91.00	2651	169.00	1241	248.00	296	352.00	2204
92.00	2830	170.00	509	249.00	1131	353.00	1509
93.00	19904	171.00	651	250.00	254	354.00	2148
94.00	1507	172.00	1463	251.00	438	355.00	409
95.00	380	173.00	1718	252.00	532	359.00	151
96.00	815	174.00	3342	253.00	758	365.00	9300
97.00	304	175.00	5462	254.00	1041	366.00	1181
98.00	15111	176.00	1692	255.00	167040	370.00	175
99.00	11628	177.00	2942	256.00	25640	371.00	547
100.00	1168	178.00	906	257.00	1932	372.00	3668
101.00	6432	179.00	11516	258.00	9471	373.00	859
102.00	381	180.00	7618	259.00	1715	383.00	827
103.00	1758	181.00	3698	260.00	191	384.00	301
104.00	4049	182.00	619	261.00	294	390.00	489
105.00	3363	183.00	365	264.00	389	391.00	244
106.00	1475	184.00	890	265.00	4397	392.00	241
107.00	48184	185.00	4906	266.00	501	401.00	216
108.00	7463	186.00	40536	267.00	170	402.00	1394
109.00	1294	187.00	12062	268.00	233	403.00	1830
110.00	79464	188.00	1512	269.00	133	404.00	731
111.00	12326	189.00	2599	270.00	281	410.00	53
112.00	1634	190.00	534	271.00	398	421.00	1656
113.00	606	191.00	1277	272.00	667	422.00	1624
114.00	66	192.00	3664	273.00	5308	423.00	10658
115.00	326	193.00	3979	274.00	13492	424.00	2563
116.00	2639	194.00	992	275.00	76584	425.00	268

Report Date: 29-Jul-2022 12:03:30 Chrom Revision: 2.3 19-Jul-2022 21:48:42
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1350.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 28-Jul-2022 18:23:12
Spectrum: Tune Spec :Average 246-248(5.49-5.51) Bgrd 241(5.47)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	43368	195.00	622	276.00	10311	435.00	58
118.00	3249	196.00	8609	277.00	5971	436.00	87
119.00	511	197.00	1990	278.00	1024	437.00	134
120.00	619	198.00	290624	279.00	301	441.00	33104
121.00	328	199.00	19544	281.00	22	442.00	209024
122.00	2775	200.00	1564	282.00	186	443.00	41120
123.00	4816	201.00	1199	283.00	741	444.00	3270
124.00	2270	203.00	2492	284.00	380	445.00	158
125.00	2225	204.00	11977	285.00	1166		
126.00	855	205.00	19472	286.00	200		
127.00	147584	206.00	76216	289.00	289		

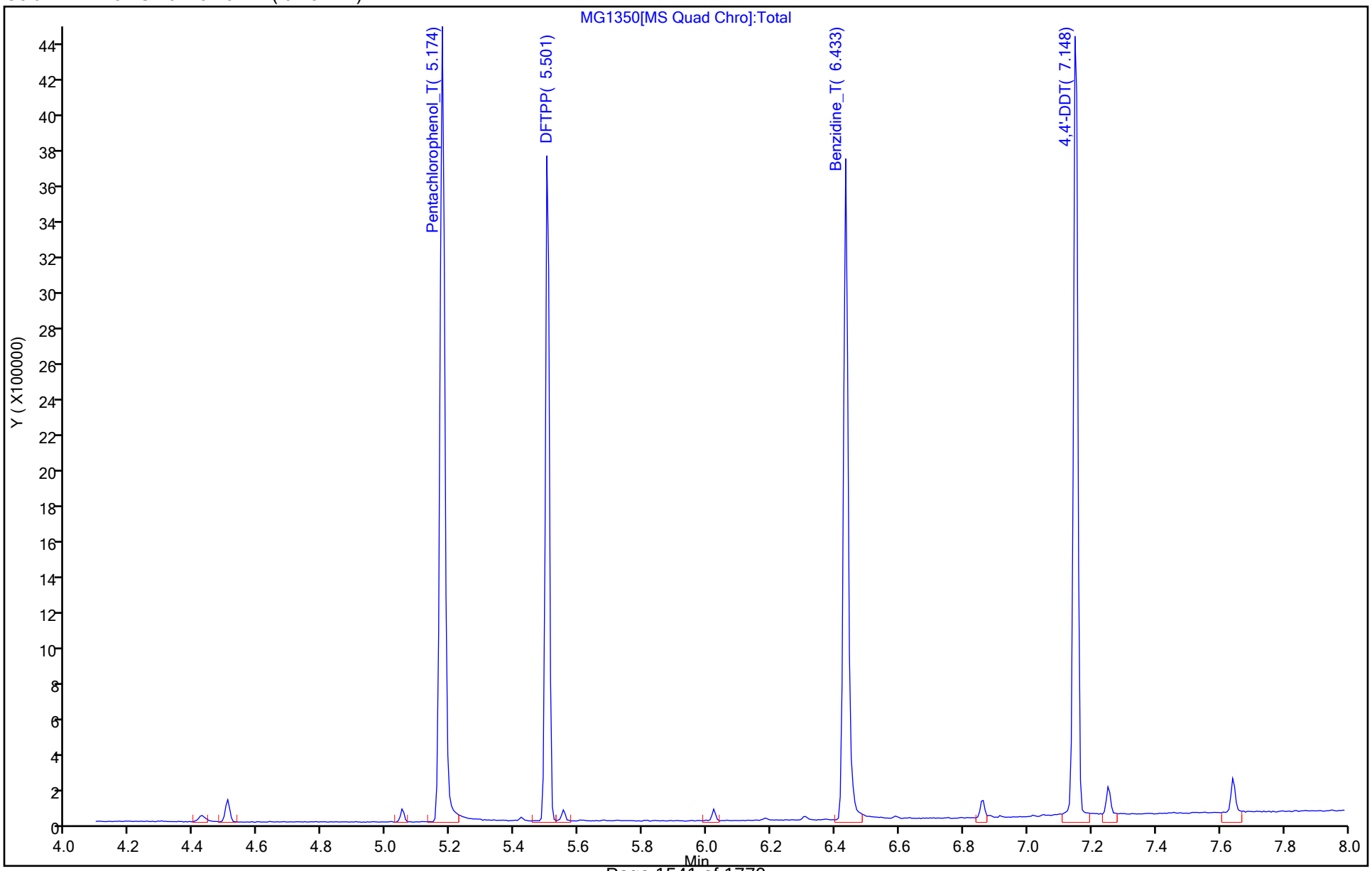
Report Date: 29-Jul-2022 12:03:30 Chrom Revision: 2.3 19-Jul-2022 21:48:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1350.D

Injection Date:	28-Jul-2022 18:23:12	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)

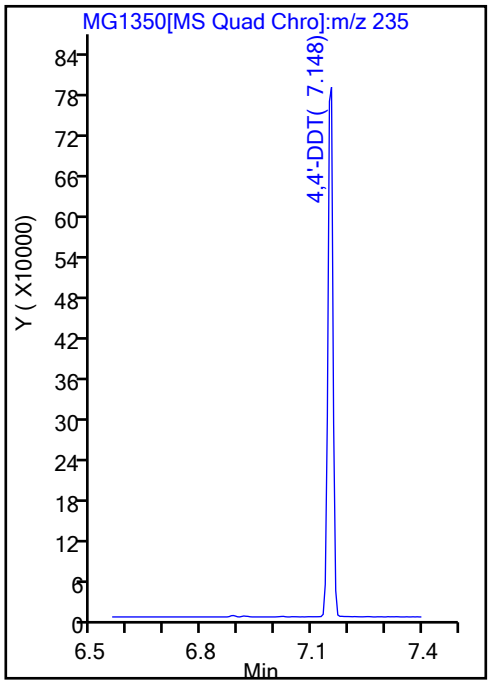


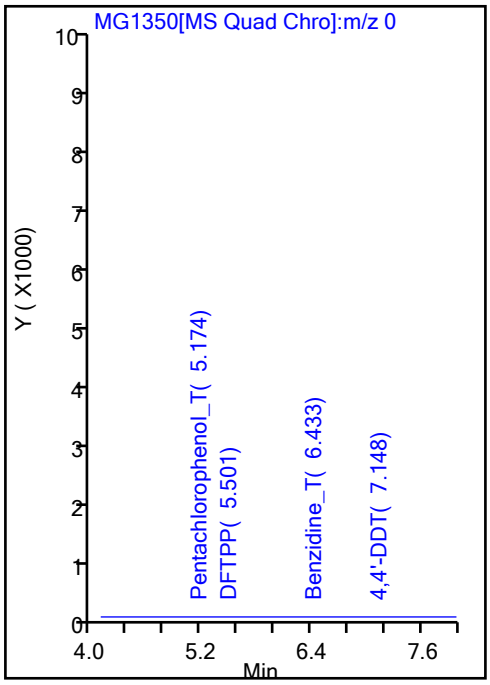
Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1350.D				
Injection Date:	28-Jul-2022 18:23:12	Instrument ID:	HP21585		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

49 4,4'-DDT, Detector: MS Quad





SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 765254
47 4,4'-DDE, Area = 0
48 4,4'-DDD, Area = 3446

%Breakdown: 0.45%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

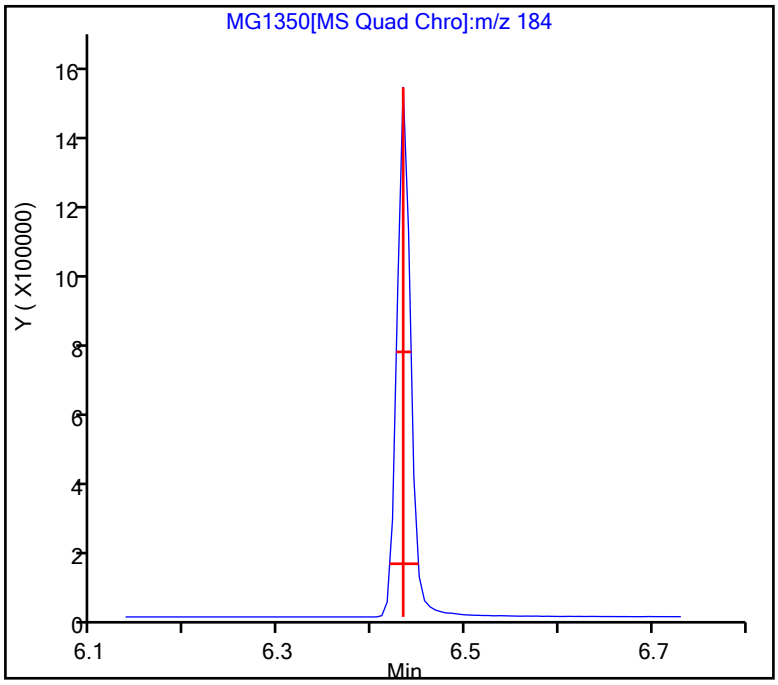
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1350.D
Injection Date: 28-Jul-2022 18:23:12 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.14, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

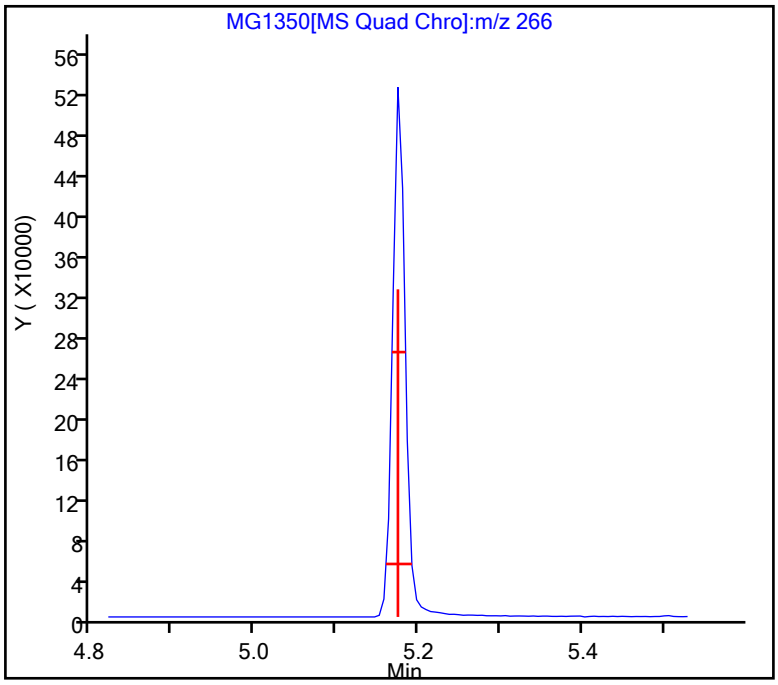
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1350.D
Injection Date: 28-Jul-2022 18:23:12 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.13, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH11250.D
Lims ID: DFTPP DL
Client ID:
Sample Type: DFTPP
Inject. Date: 16-Aug-2022 17:18:36 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Sample Info: DFTPP
Misc. Info.: 410-0064300-001
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 16-Aug-2022 18:40:44 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: SJ89 Date: 16-Aug-2022 17:49:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
44 Pentachlorophenol_T	266	5.134	5.134	0.000	0	820391	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.370	6.370	0.000	0	1737836	NR	NR	
48 4,4'-DDD	235	6.799	6.799	0.000	0	12108		NR	
49 4,4'-DDT	235	7.051	7.051	0.000	0	1209015	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

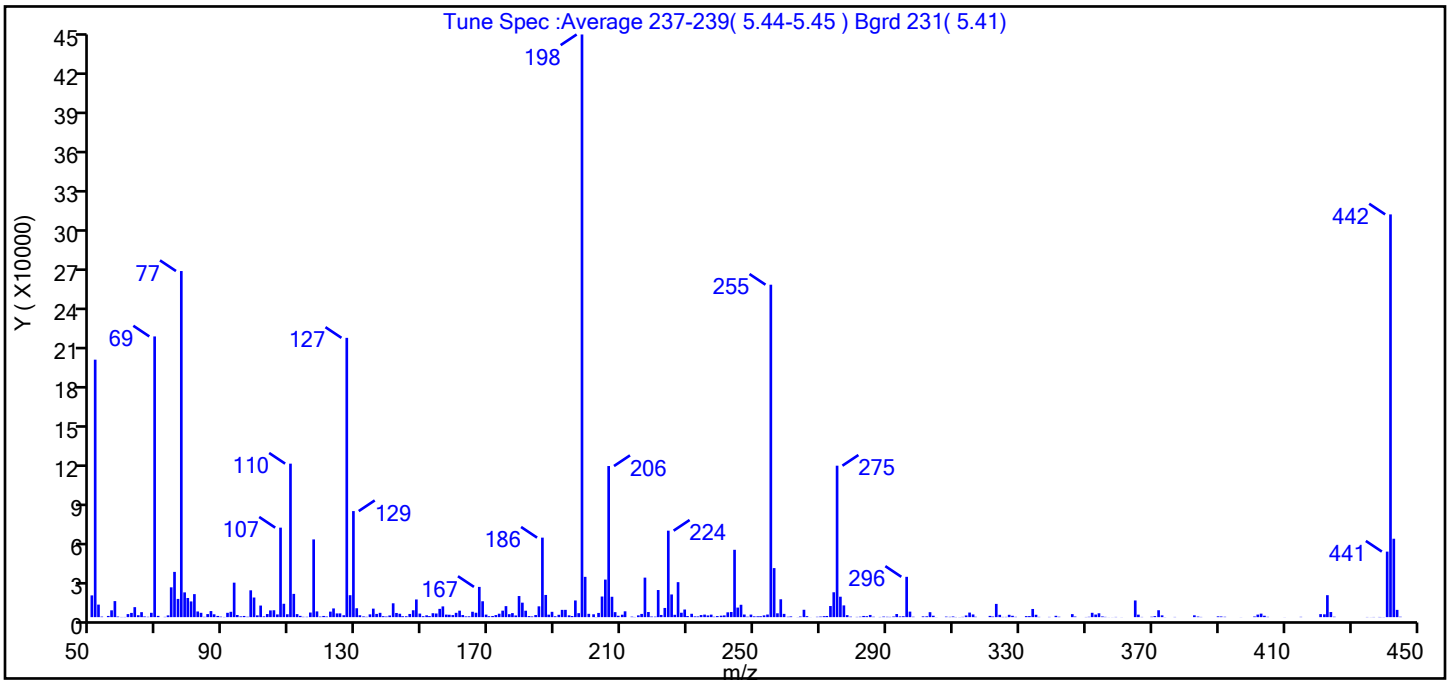
MSS_RVDFTPP_00011 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH11250.D
Injection Date: 16-Aug-2022 17:18:36 Instrument ID: HP21585
Lims ID: DFTPP DL
Client ID:
Operator ID: kel10217 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM
Tune Method: DFTPP Method 8270D, BP 198

45 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (144.7)
51	10-80% of the base peak	44.2
68	<2% of mass 69	0.7 (1.5)
69	Present	48.2
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	47.9
197	<2% of mass 198	0.7
199	5-9% of mass 198	6.9
275	10-60% of the base peak	26.0
365	>1% of mass 198	2.9
441	present but <24% of mass 442	11.2 (16.3)
442	base peak, or >50% of 198	69.1
443	15-24% of mass 442	13.5 (19.5)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH11250.D\8270_SIM_HP21585.rslt\spect
Injection Date: 16-Aug-2022 17:18:36
Spectrum: Tune Spec :Average 237-239(5.44-5.45) Bgrd 231(5.41)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 327

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	16712	134.00	2143	217.00	30360	304.00	1078
51.00	197824	135.00	6540	218.00	3946	305.00	66
52.00	9629	136.00	2478	219.00	471	308.00	415
53.00	416	137.00	3314	220.00	375	309.00	238
55.00	932	138.00	740	221.00	20832	310.00	510
56.00	5241	139.00	461	222.00	1670	311.00	135
57.00	12320	140.00	1275	223.00	7064	312.00	99
58.00	467	141.00	10640	224.00	66440	313.00	219
59.00	139	142.00	3213	225.00	17432	314.00	1280
60.00	151	143.00	2614	226.00	1794	315.00	3503
61.00	2336	144.00	715	227.00	26888	316.00	2076
62.00	3258	145.00	676	228.00	3385	317.00	296
63.00	7675	146.00	2451	229.00	5864	321.00	964
64.00	1464	147.00	5284	230.00	830	322.00	464
65.00	3839	148.00	13593	231.00	2587	323.00	10178
66.00	510	149.00	2739	232.00	569	324.00	1778
67.00	270	150.00	727	233.00	536	325.00	179
68.00	3336	151.00	1395	234.00	1608	326.00	204
69.00	215680	152.00	806	235.00	1946	327.00	1797
70.00	977	153.00	3016	236.00	1293	328.00	1033
72.00	210	154.00	2807	237.00	1928	329.00	247
73.00	1343	155.00	6363	238.00	298	332.00	794
74.00	22904	156.00	8259	239.00	824	333.00	796
75.00	34768	157.00	1951	240.00	1131	334.00	6279
76.00	14002	158.00	1834	241.00	1339	335.00	1820
77.00	265920	159.00	1584	242.00	3702	336.00	208
78.00	19024	160.00	3316	243.00	3961	339.00	186
79.00	14724	161.00	4974	244.00	51752	341.00	1026
80.00	12075	162.00	1588	245.00	7341	342.00	309
81.00	17688	163.00	545	246.00	9510	346.00	2317
82.00	4359	164.00	618	247.00	2013	347.00	468
83.00	3328	165.00	4143	248.00	347	350.00	137
84.00	249	166.00	3379	249.00	1963	351.00	262

Report Date: 16-Aug-2022 18:40:45 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH11250.D\8270_SIM_HP21585.rslt\spect
Injection Date: 16-Aug-2022 17:18:36
Spectrum: Tune Spec :Average 237-239(5.44-5.45) Bgrd 231(5.41)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 327

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	2349	167.00	23240	250.00	592	352.00	3345
86.00	4664	168.00	12204	251.00	640	353.00	1994
87.00	2185	169.00	1945	252.00	689	354.00	2983
88.00	930	170.00	723	253.00	1354	355.00	538
89.00	388	171.00	896	254.00	2007	356.00	217
90.00	142	172.00	1586	255.00	255424	357.00	52
91.00	3333	173.00	2628	256.00	37680	358.00	55
92.00	4111	174.00	4980	257.00	2960	359.00	169
93.00	26496	175.00	8462	258.00	13733	361.00	64
94.00	1661	176.00	2277	259.00	2510	365.00	12814
95.00	597	177.00	3102	260.00	320	366.00	1916
96.00	910	178.00	1278	261.00	554	367.00	173
97.00	311	179.00	16222	263.00	77	370.00	322
98.00	20608	180.00	11127	264.00	471	371.00	789
99.00	15084	181.00	4943	265.00	5669	372.00	5299
100.00	1374	182.00	803	266.00	745	373.00	1368
101.00	8906	183.00	540	267.00	52	374.00	82
102.00	604	184.00	1594	268.00	5	377.00	163
103.00	2376	185.00	8309	269.00	267	383.00	1406
104.00	5163	186.00	61088	270.00	440	384.00	461
105.00	5298	187.00	17056	271.00	742	385.00	168
106.00	2095	188.00	1906	272.00	900	390.00	618
107.00	68768	189.00	4095	273.00	8546	391.00	511
108.00	10276	190.00	676	274.00	19112	392.00	285
109.00	2223	191.00	1806	275.00	116368	397.00	66
110.00	117936	192.00	5586	276.00	15694	401.00	502
111.00	17872	193.00	5604	277.00	9019	402.00	1954
112.00	2329	194.00	1378	278.00	1536	403.00	2710
113.00	981	195.00	847	279.00	368	404.00	1074
114.00	268	196.00	12811	281.00	191	405.00	239
115.00	269	197.00	3053	282.00	329	410.00	60
116.00	3550	198.00	447680	283.00	922	415.00	233
117.00	59728	199.00	30960	284.00	733	421.00	2311
118.00	4413	200.00	2544	285.00	1684	422.00	2174

Report Date: 16-Aug-2022 18:40:45 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH11250.D\8270_SIM_HP21585.rslt\spect
Injection Date: 16-Aug-2022 17:18:36
Spectrum: Tune Spec :Average 237-239(5.44-5.45) Bgrd 231(5.41)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 327

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	419	201.00	2191	286.00	308	423.00	16880
120.00	925	202.00	95	288.00	154	424.00	3920
121.00	477	203.00	3232	289.00	435	425.00	317
122.00	4241	204.00	15847	290.00	277	435.00	136
123.00	6699	205.00	28856	291.00	199	436.00	58
124.00	2859	206.00	116104	292.00	494	437.00	139
125.00	2884	207.00	15652	293.00	2396	439.00	151
126.00	1465	208.00	3846	294.00	539	439.00	85
127.00	214592	209.00	1073	295.00	687	440.00	90
128.00	16864	210.00	1859	296.00	30984	441.00	50352
129.00	81488	211.00	4475	297.00	4241	442.00	309440
130.00	6831	213.00	381	298.00	319	443.00	60240
131.00	1448	214.00	141	301.00	594	444.00	5588
132.00	578	215.00	1358	302.00	639	445.00	300
133.00	274	216.00	2479	303.00	3811		

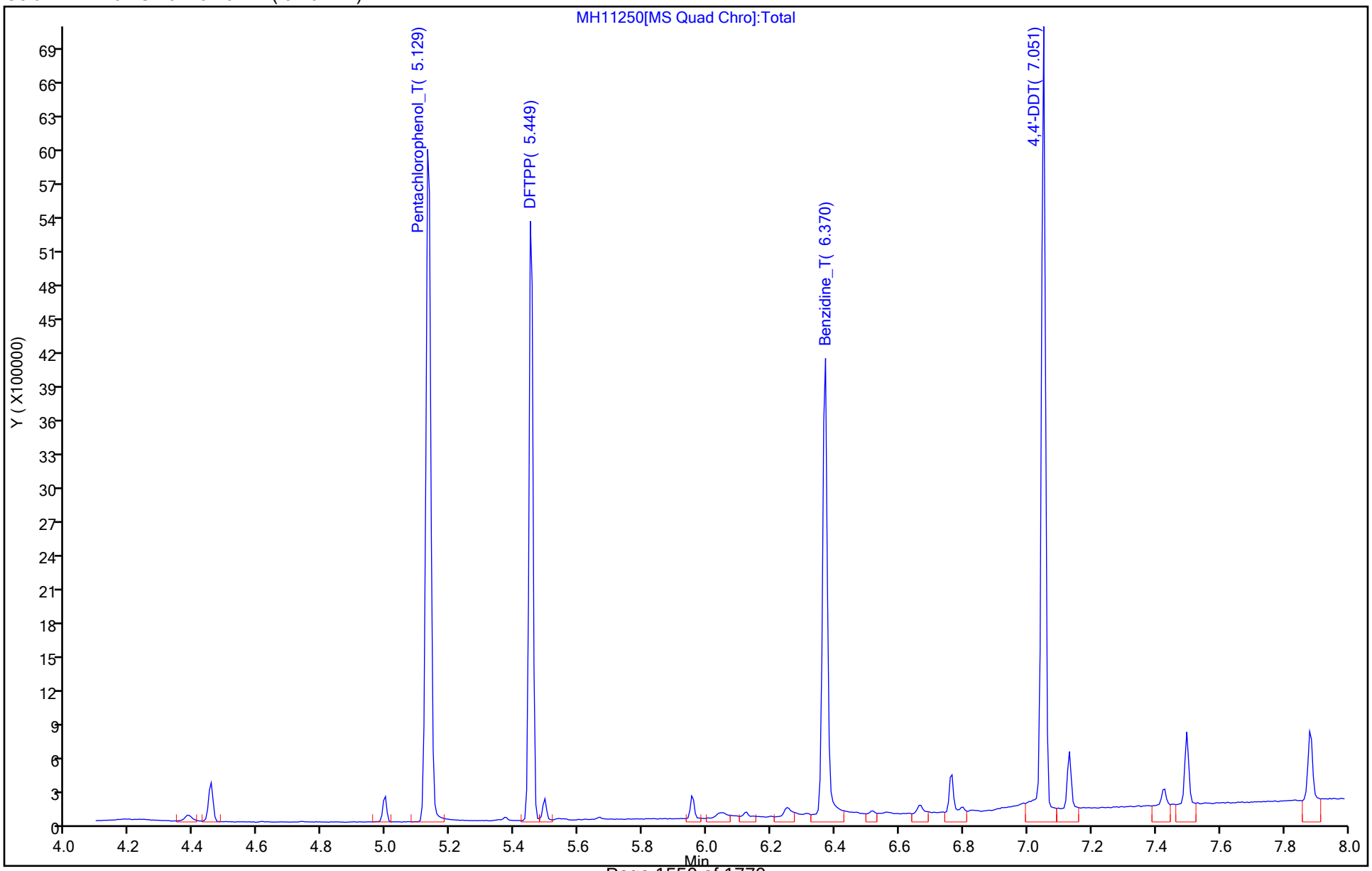
Report Date: 16-Aug-2022 18:40:45 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH11250.D

Injection Date:	16-Aug-2022 17:18:36	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	DFTPP DL			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)

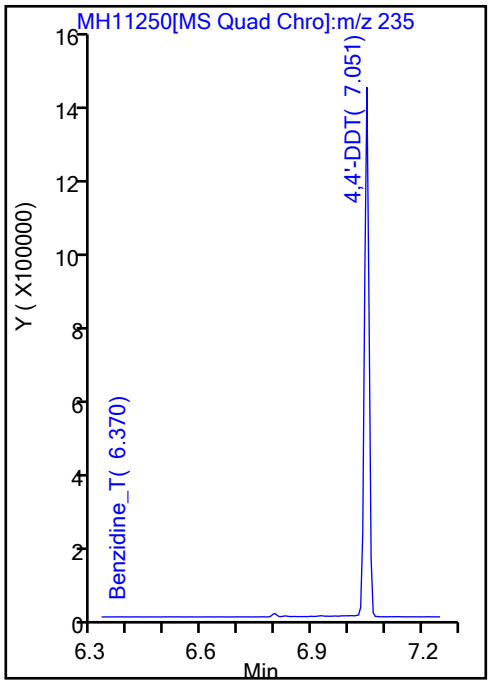


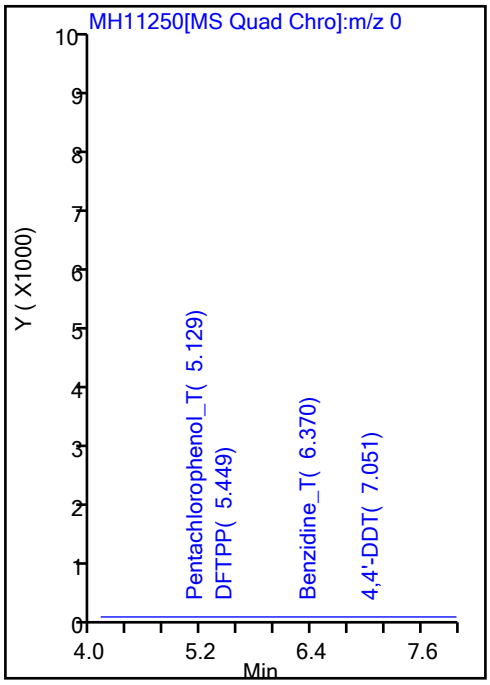
Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH11250.D				
Injection Date:	16-Aug-2022 17:18:36	Instrument ID:	HP21585		
Lims ID:	DFTPP DL				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

49 4,4'-DDT, Detector: MS Quad





SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 1209015
47 4,4'-DDE, Area = 0
48 4,4'-DDD, Area = 12108

%Breakdown: 0.99%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

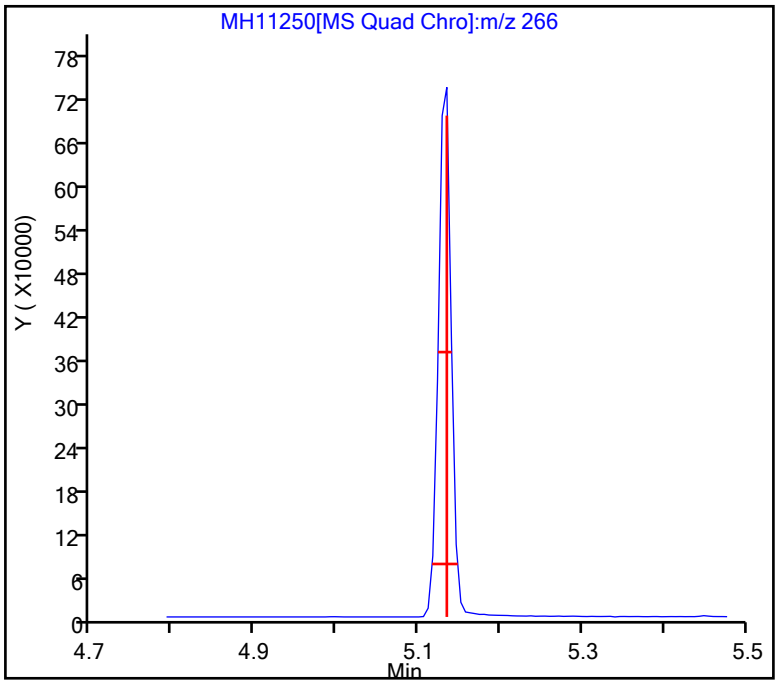
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH11250.D
Injection Date: 16-Aug-2022 17:18:36 Instrument ID: HP21585
Lims ID: DFTPP DL
Client ID:
Operator ID: kel10217 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 0.72, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

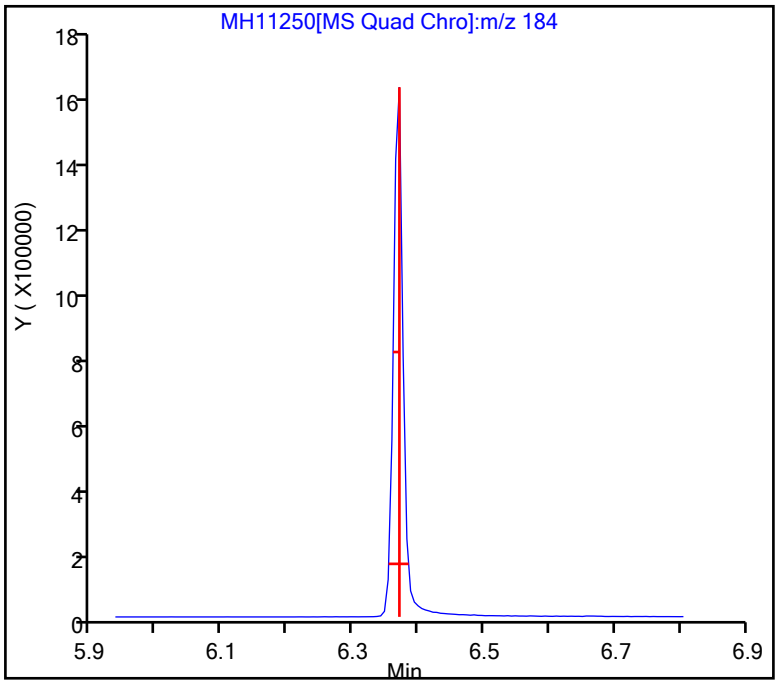
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH11250.D
Injection Date: 16-Aug-2022 17:18:36 Instrument ID: HP21585
Lims ID: DFTPP DL
Client ID:
Operator ID: kel10217 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.82, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1400.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 18-Aug-2022 18:57:10 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Sample Info: DFTPP
Misc. Info.: 410-0064495-001
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 18-Aug-2022 20:11:49 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: SJ89 Date: 18-Aug-2022 19:12:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
44 Pentachlorophenol_T	266	5.140	5.140	0.000	0	703913	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.382	6.382	0.000	0	1425818	NR	NR	
47 4,4'-DDE	246	6.536	6.536	0.000	0	3179		NR	
48 4,4'-DDD	235	6.822	6.822	0.000	0	20190		NR	
49 4,4'-DDT	235	7.086	7.086	0.000	0	931486	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

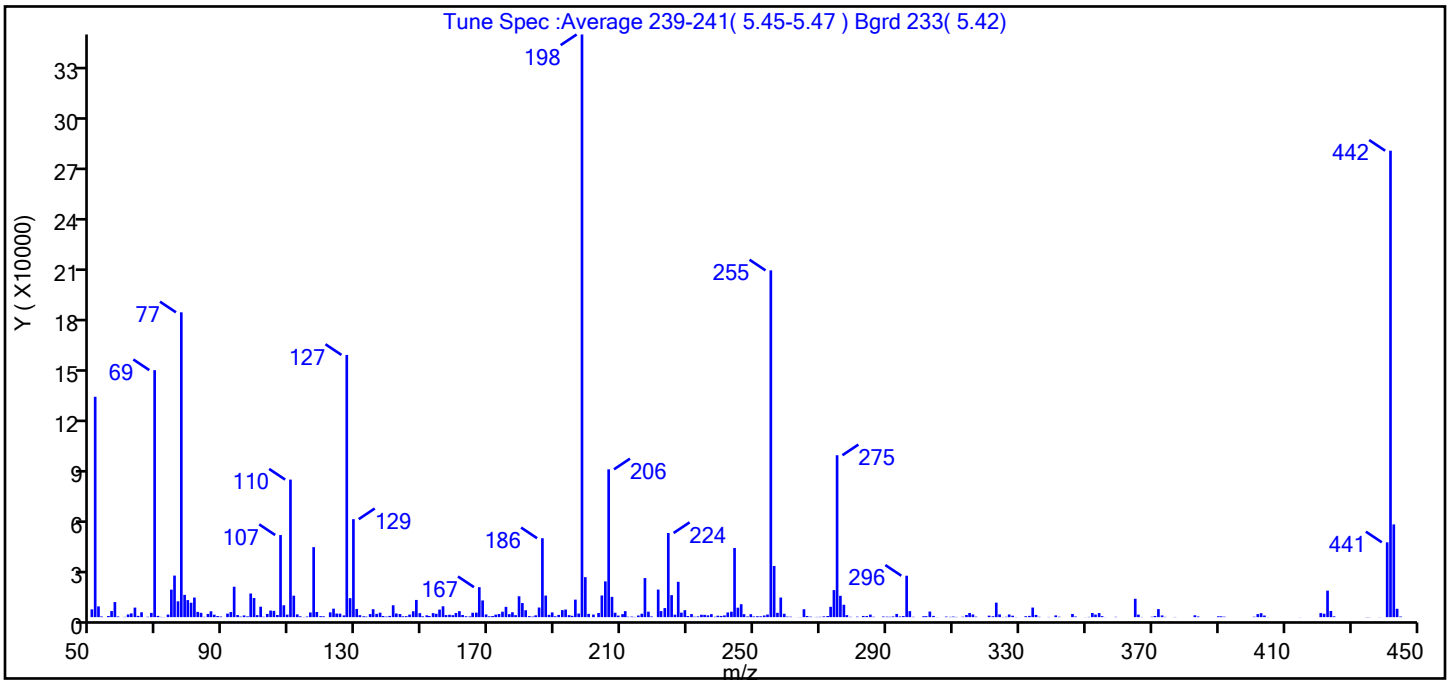
MSS_RVDFTPP_00011 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1400.D
Injection Date: 18-Aug-2022 18:57:10 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM
Tune Method: DFTPP Method 8270D, BP 198

45 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (124.9)
51	10-80% of the base peak	37.8
68	<2% of mass 69	0.7 (1.7)
69	Present	42.4
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	45.0
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.9
275	10-60% of the base peak	27.8
365	>1% of mass 198	3.2
441	present but <24% of mass 442	12.8 (16.0)
442	base peak, or >50% of 198	80.1
443	15-24% of mass 442	15.9 (19.9)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1400.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 18-Aug-2022 18:57:10
Spectrum: Tune Spec :Average 239-241(5.45-5.47) Bgrd 233(5.42)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	4665	132.00	508	212.00	257	297.00	3583
51.00	131776	133.00	298	213.00	327	298.00	213
52.00	6440	134.00	1841	214.00	150	301.00	536
53.00	400	135.00	4738	215.00	985	302.00	565
55.00	698	136.00	1959	216.00	2039	303.00	3343
56.00	3664	137.00	2667	217.00	23376	304.00	740
57.00	9021	138.00	668	218.00	3270	305.00	72
58.00	408	139.00	330	219.00	406	308.00	352
60.00	168	140.00	746	221.00	16480	309.00	188
61.00	1604	141.00	7099	222.00	3602	310.00	327
62.00	2253	142.00	2189	223.00	5422	311.00	142
63.00	5700	143.00	1846	224.00	50320	313.00	250
64.00	756	144.00	503	225.00	13159	314.00	1297
65.00	2908	145.00	586	226.00	1488	315.00	2498
66.00	18	146.00	1520	227.00	21128	316.00	1602
67.00	238	147.00	3519	228.00	2690	317.00	281
68.00	2524	148.00	10289	229.00	4176	321.00	886
69.00	147712	149.00	2395	230.00	683	322.00	525
70.00	743	150.00	484	231.00	1841	323.00	8667
71.00	149	151.00	1094	232.00	277	324.00	1648
72.00	69	152.00	691	233.00	465	325.00	70
73.00	1543	153.00	2399	234.00	1442	326.00	228
74.00	16456	154.00	1998	235.00	1393	327.00	1584
75.00	24848	155.00	4508	236.00	1062	328.00	846
76.00	9464	156.00	6491	237.00	1791	329.00	105
77.00	182272	157.00	1243	238.00	238	332.00	557
78.00	13321	158.00	1426	239.00	859	333.00	758
79.00	10191	159.00	1186	240.00	736	334.00	5720
80.00	8610	160.00	2489	241.00	1031	335.00	1335
81.00	11716	161.00	3597	242.00	2814	336.00	211
82.00	3147	162.00	1268	243.00	3258	339.00	125
83.00	2585	163.00	522	244.00	41360	341.00	1034
84.00	172	164.00	442	245.00	5652	342.00	264

Report Date: 18-Aug-2022 20:11:50 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1400.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 18-Aug-2022 18:57:10
Spectrum: Tune Spec :Average 239-241(5.45-5.47) Bgrd 233(5.42)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	1910	165.00	2615	246.00	7731	346.00	1884
86.00	3497	166.00	2687	247.00	1769	347.00	374
87.00	1460	167.00	17928	248.00	396	350.00	59
88.00	640	168.00	9993	249.00	1771	351.00	155
89.00	371	169.00	1614	250.00	397	352.00	2502
91.00	2100	170.00	499	251.00	551	353.00	1552
92.00	3044	171.00	678	252.00	499	354.00	2445
93.00	18192	172.00	1488	253.00	988	355.00	585
94.00	1263	173.00	1883	254.00	1566	356.00	52
95.00	310	174.00	3252	255.00	207360	359.00	188
96.00	1026	175.00	6145	256.00	30584	365.00	10986
97.00	449	176.00	1780	257.00	2577	366.00	1505
98.00	14136	177.00	2911	258.00	11729	367.00	122
99.00	11430	178.00	1198	259.00	2010	370.00	231
100.00	1201	179.00	12484	260.00	316	371.00	685
101.00	6236	180.00	8426	261.00	270	372.00	4816
102.00	248	181.00	4146	263.00	52	373.00	1026
103.00	1922	182.00	611	264.00	104	374.00	165
104.00	3943	183.00	340	265.00	4727	377.00	112
105.00	3759	184.00	1067	266.00	664	383.00	1116
106.00	1299	185.00	5752	267.00	289	384.00	397
107.00	49096	186.00	47192	268.00	34	390.00	527
108.00	7104	187.00	12885	269.00	152	391.00	475
109.00	1508	188.00	1352	270.00	198	392.00	259
110.00	82256	189.00	2836	271.00	469	401.00	251
111.00	12831	190.00	516	272.00	692	402.00	1801
112.00	1660	191.00	1338	273.00	6169	403.00	2357
113.00	507	192.00	4210	274.00	16172	404.00	963
114.00	76	193.00	4553	275.00	96824	405.00	72
115.00	372	194.00	1196	276.00	12754	415.00	57
116.00	2802	195.00	801	277.00	7405	421.00	2421
117.00	41848	196.00	10466	278.00	1208	422.00	2026
118.00	3099	197.00	2146	279.00	198	423.00	15855
119.00	577	198.00	348416	281.00	279	424.00	3695

Report Date: 18-Aug-2022 20:11:50 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1400.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 18-Aug-2022 18:57:10
Spectrum: Tune Spec :Average 239-241(5.45-5.47) Bgrd 233(5.42)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	483	199.00	23912	283.00	712	425.00	472
121.00	24	200.00	1947	284.00	672	435.00	73
122.00	2863	201.00	1536	285.00	1518	435.00	84
123.00	5070	203.00	2477	286.00	235	436.00	58
124.00	2146	204.00	12957	289.00	360	439.00	70
125.00	2088	205.00	21376	290.00	280	441.00	44744
126.00	1043	206.00	88392	291.00	221	442.00	278912
127.00	156800	207.00	12125	292.00	423	443.00	55456
128.00	11354	208.00	2628	293.00	1919	444.00	5000
129.00	58592	209.00	934	294.00	392	445.00	362
130.00	4903	210.00	1796	295.00	632		
131.00	1182	211.00	3587	296.00	24768		

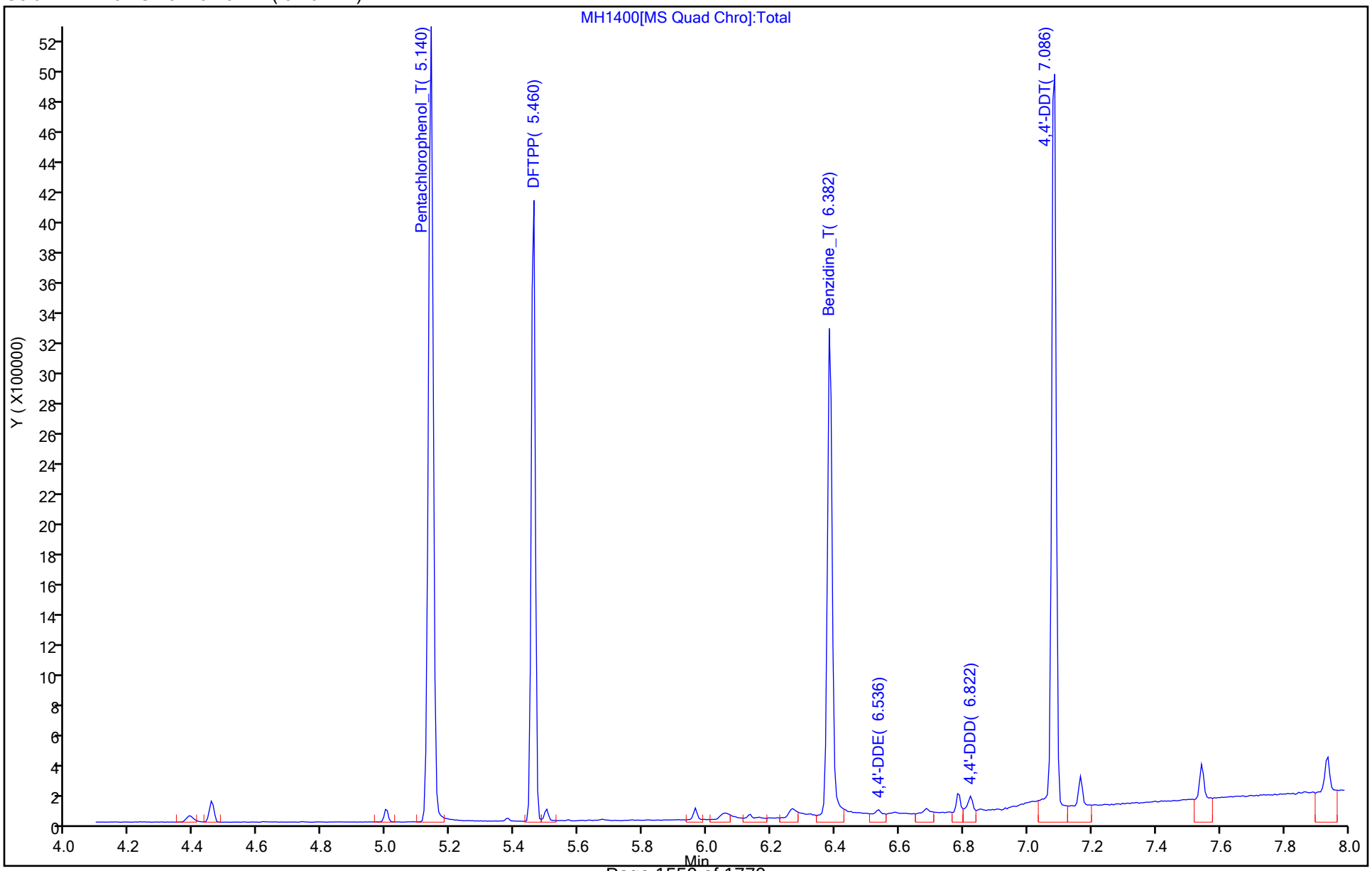
Report Date: 18-Aug-2022 20:11:50 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1400.D

Injection Date:	18-Aug-2022 18:57:10	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1400.D				
Injection Date:	18-Aug-2022 18:57:10	Instrument ID:	HP21585		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

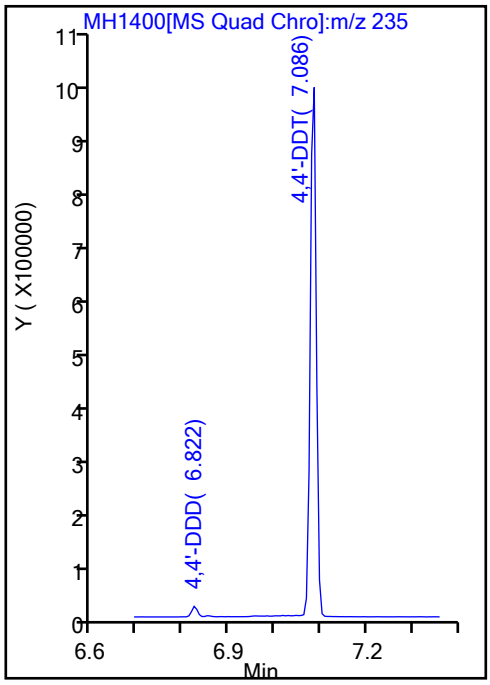
49 4,4'-DDT, Detector: MS Quad

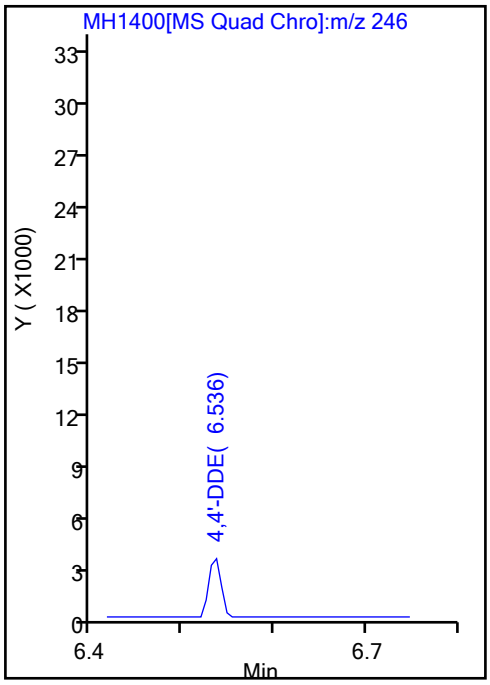
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 931486
47 4,4'-DDE, Area = 3179
48 4,4'-DDD, Area = 20190

%Breakdown: 2.45%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

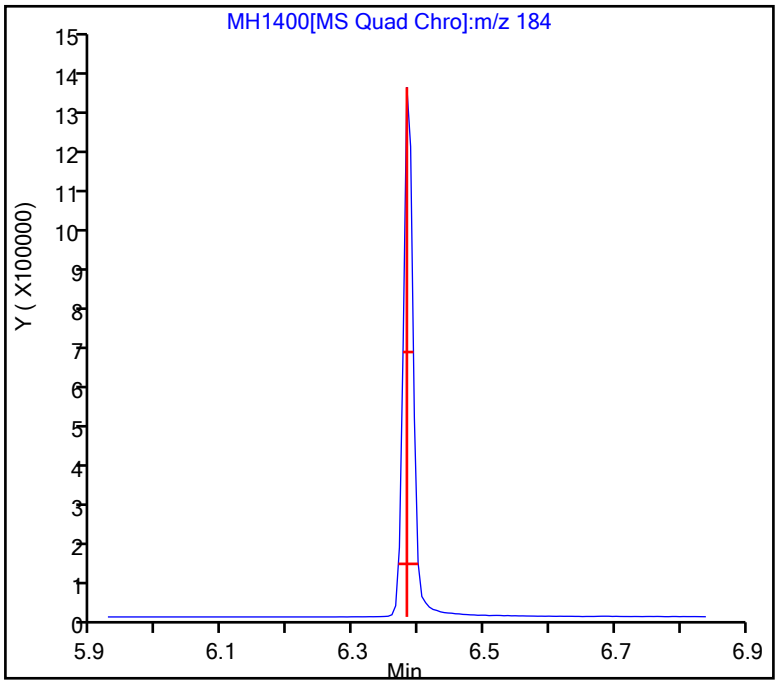
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1400.D
Injection Date: 18-Aug-2022 18:57:10 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.31, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

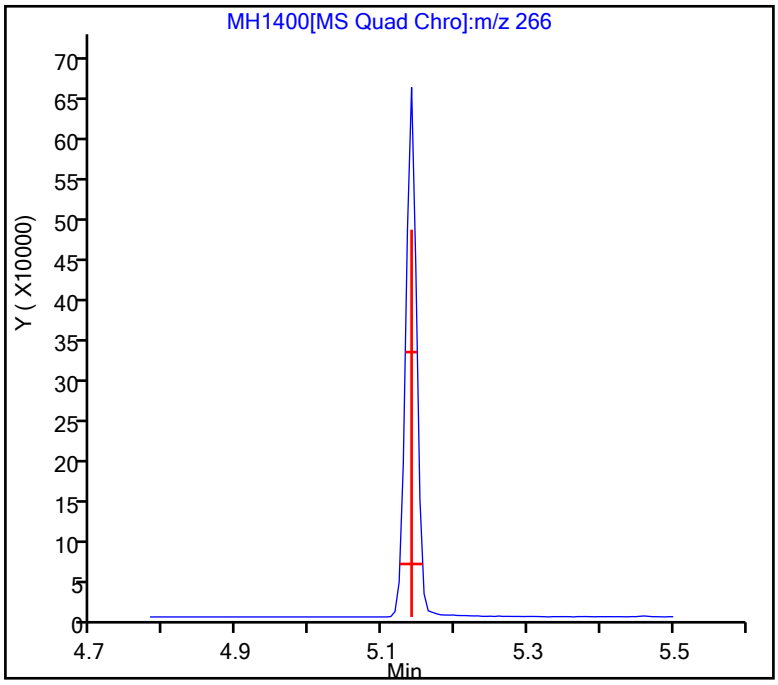
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1400.D
Injection Date: 18-Aug-2022 18:57:10 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.94, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1500.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 22-Aug-2022 06:21:35 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Sample Info: DFTPP
Misc. Info.: 410-0064632-001
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 10:16:42 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: UJM0 Date: 22-Aug-2022 10:16:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
44 Pentachlorophenol_T	266	5.123	5.123	0.000	0	695966	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.359	6.359	0.000	0	1816473	NR	NR	
47 4,4'-DDE	246	6.507	6.507	0.000	0	1971		NR	
48 4,4'-DDD	235	6.788	6.788	0.000	0	6921		NR	
49 4,4'-DDT	235	7.045	7.045	0.000	0	948326	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

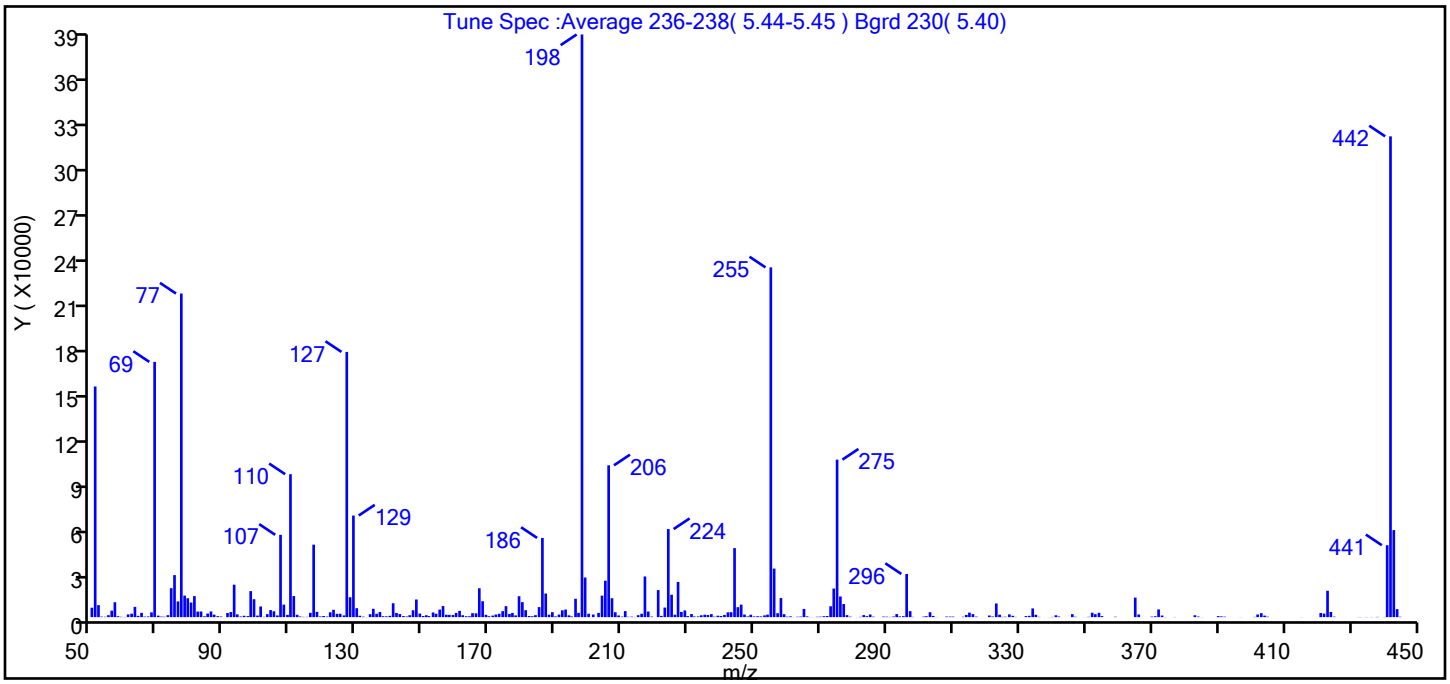
MSS_RVDFTPP_00011 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1500.D
Injection Date: 22-Aug-2022 06:21:35 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM
Tune Method: DFTPP Method 8270D, BP 198

45 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (121.2)
51	10-80% of the base peak	39.6
68	<2% of mass 69	0.8 (1.9)
69	Present	43.8
70	<2% of mass 69	0.3 (0.6)
127	10-80% of the base peak	45.5
197	<2% of mass 198	0.7
199	5-9% of mass 198	6.8
275	10-60% of the base peak	27.0
365	>1% of mass 198	3.4
441	present but <24% of mass 442	12.3 (15.0)
442	base peak, or >50% of 198	82.5
443	15-24% of mass 442	14.9 (18.1)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1500.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 22-Aug-2022 06:21:35
Spectrum: Tune Spec :Average 236-238(5.44-5.45) Bgrd 230(5.40)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 323

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	6159	131.00	914	213.00	314	298.00	193
51.00	150720	132.00	322	214.00	113	301.00	355
52.00	7856	133.00	64	215.00	1273	302.00	598
53.00	337	134.00	1934	216.00	2221	303.00	3229
54.00	243	135.00	5478	217.00	26576	304.00	789
55.00	1286	136.00	2216	218.00	3671	305.00	77
56.00	4261	137.00	3400	219.00	355	308.00	391
57.00	9737	138.00	592	221.00	17680	309.00	368
58.00	598	139.00	523	222.00	828	310.00	344
59.00	223	140.00	869	223.00	6244	313.00	258
60.00	101	141.00	9078	224.00	57552	314.00	1430
61.00	1789	142.00	2751	225.00	14634	315.00	2959
62.00	2291	143.00	2034	226.00	1585	316.00	1975
63.00	6714	144.00	704	227.00	23008	317.00	325
64.00	853	145.00	409	228.00	3400	321.00	1063
65.00	2797	146.00	1264	229.00	4390	322.00	414
66.00	350	147.00	4502	230.00	698	323.00	8959
67.00	459	148.00	11522	231.00	2030	324.00	1623
68.00	3135	149.00	2340	232.00	435	325.00	195
69.00	166784	150.00	734	233.00	460	326.00	264
70.00	975	151.00	1247	234.00	1213	327.00	1801
71.00	344	152.00	705	235.00	1588	328.00	870
72.00	252	153.00	3063	236.00	1372	329.00	119
73.00	1287	154.00	2217	237.00	1979	332.00	680
74.00	18912	155.00	4949	238.00	307	333.00	845
75.00	27464	156.00	7248	239.00	935	334.00	5701
76.00	10279	157.00	1556	240.00	766	335.00	1563
77.00	211456	158.00	1500	241.00	1464	336.00	190
78.00	14080	159.00	1405	242.00	3153	339.00	65
79.00	12371	160.00	2771	243.00	3232	340.00	154
80.00	9539	161.00	4129	244.00	45104	341.00	1224
81.00	13729	162.00	1241	245.00	6527	342.00	406
82.00	3641	163.00	579	246.00	8188	346.00	1954

Report Date: 22-Aug-2022 10:16:42 Chrom Revision: 2.3 21-Aug-2022 20:49:52
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1500.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 22-Aug-2022 06:21:35
Spectrum: Tune Spec :Average 236-238(5.44-5.45) Bgrd 230(5.40)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 323

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	3707	164.00	600	247.00	1684	347.00	252
84.00	539	165.00	2588	248.00	457	350.00	51
85.00	2338	166.00	2490	249.00	1585	351.00	206
86.00	3743	167.00	18872	250.00	446	352.00	2886
87.00	1632	168.00	10407	251.00	571	353.00	1953
88.00	640	169.00	1525	252.00	481	354.00	2876
89.00	385	170.00	605	253.00	1154	355.00	677
90.00	18	171.00	1011	254.00	1653	359.00	266
91.00	2697	172.00	1698	255.00	228544	365.00	12772
92.00	3330	173.00	2208	256.00	31728	366.00	1712
93.00	21208	174.00	3926	257.00	2562	367.00	65
94.00	1825	175.00	7176	258.00	12460	370.00	356
95.00	415	176.00	2047	259.00	1919	371.00	591
96.00	901	177.00	2758	260.00	325	372.00	5039
97.00	690	178.00	1126	261.00	507	373.00	1052
98.00	17008	179.00	13667	262.00	55	374.00	104
99.00	11717	180.00	9800	263.00	254	377.00	112
100.00	1019	181.00	4550	264.00	369	383.00	1238
101.00	6966	182.00	741	265.00	5373	384.00	392
102.00	218	183.00	569	266.00	493	385.00	62
103.00	1951	184.00	1296	267.00	68	390.00	683
104.00	4614	185.00	6557	268.00	45	391.00	472
105.00	3854	186.00	51768	269.00	250	392.00	293
106.00	1119	187.00	15427	270.00	320	397.00	68
107.00	53800	188.00	1595	271.00	598	401.00	164
108.00	8184	189.00	3247	272.00	761	402.00	1722
109.00	1485	190.00	468	273.00	7105	403.00	2587
110.00	93408	191.00	1688	274.00	18688	404.00	999
111.00	13786	192.00	4468	275.00	102928	405.00	295
112.00	1569	193.00	4959	276.00	13499	415.00	69
113.00	438	194.00	1177	277.00	8557	421.00	2694
114.00	198	195.00	475	278.00	1298	422.00	2317
115.00	201	196.00	12012	279.00	315	423.00	17232
116.00	2813	197.00	2788	281.00	37	424.00	3399

Report Date: 22-Aug-2022 10:16:42 Chrom Revision: 2.3 21-Aug-2022 20:49:52
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1500.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 22-Aug-2022 06:21:35
Spectrum: Tune Spec :Average 236-238(5.44-5.45) Bgrd 230(5.40)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 323

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	47368	198.00	380736	282.00	205	425.00	303
118.00	3464	199.00	25912	283.00	1350	432.00	54
119.00	447	200.00	2218	284.00	644	433.00	108
120.00	745	201.00	1705	285.00	1747	435.00	112
121.00	385	203.00	2772	286.00	314	436.00	111
122.00	3171	204.00	14046	289.00	353	438.00	64
123.00	4799	205.00	23808	290.00	295	438.00	165
124.00	2178	206.00	99208	291.00	163	440.00	113
125.00	2200	207.00	12370	292.00	429	441.00	46992
126.00	1139	208.00	3183	293.00	1980	442.00	314176
127.00	173312	209.00	1097	294.00	490	443.00	56888
128.00	13015	210.00	325	295.00	630	444.00	5234
129.00	66392	211.00	3943	296.00	28216	445.00	258
130.00	5851	212.00	252	297.00	3929		

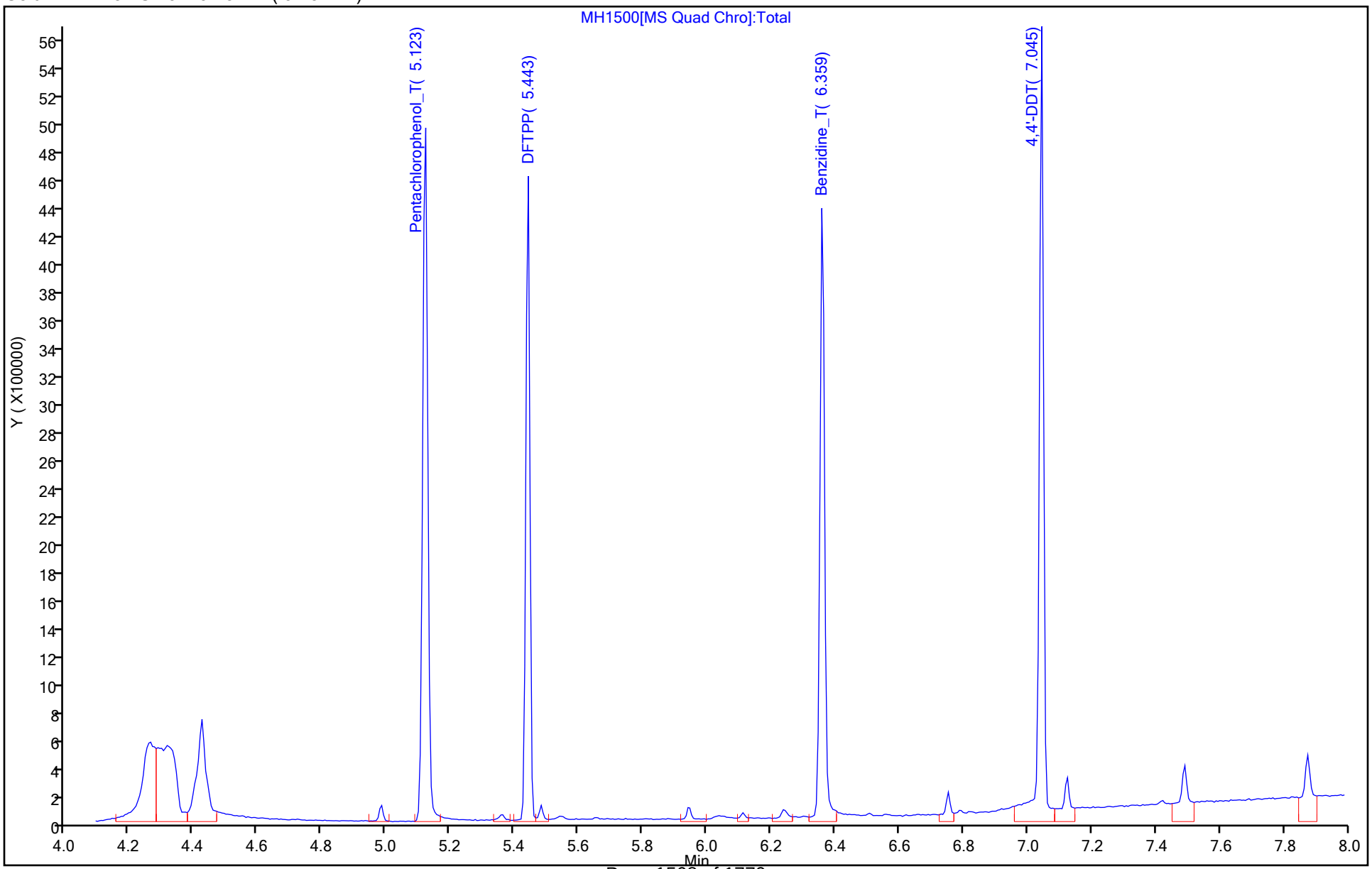
Report Date: 22-Aug-2022 10:16:42 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1500.D

Injection Date:	22-Aug-2022 06:21:35	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)

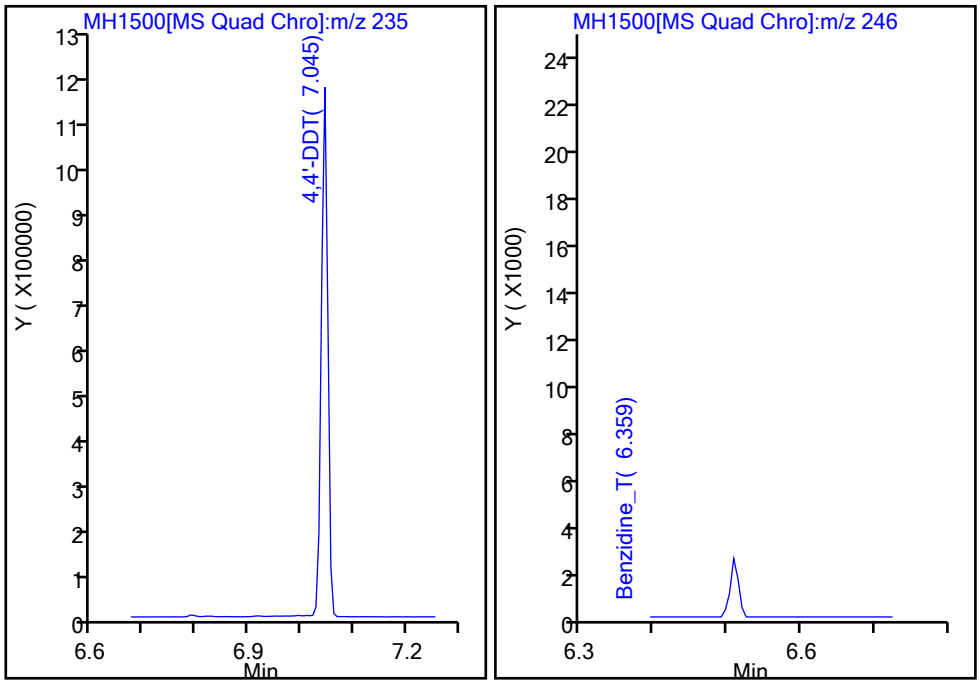


Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1500.D				
Injection Date:	22-Aug-2022 06:21:35	Instrument ID:	HP21585		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

49 4,4'-DDT, Detector: MS Quad



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 948326
47 4,4'-DDE, Area = 1971
48 4,4'-DDD, Area = 6921

%Breakdown: 0.93%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

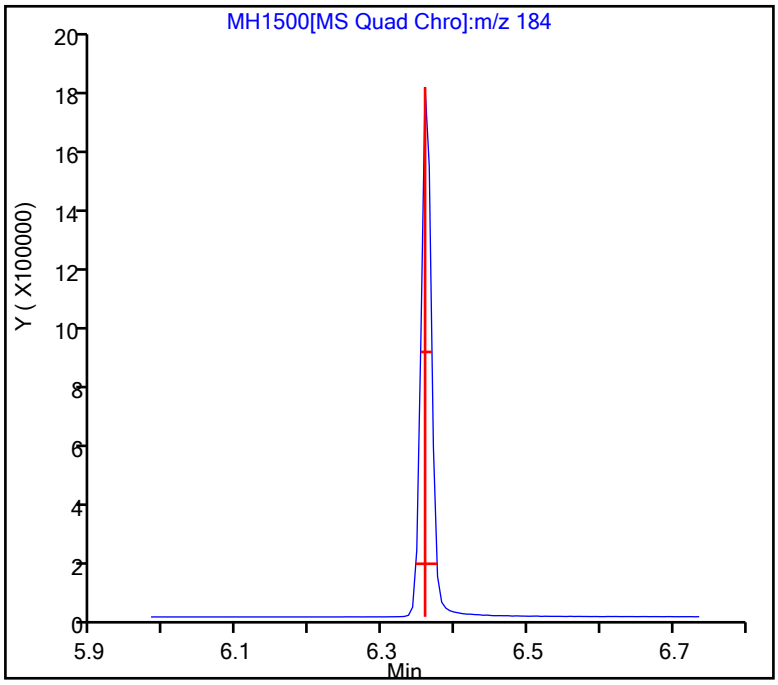
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1500.D
Injection Date: 22-Aug-2022 06:21:35 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.31, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

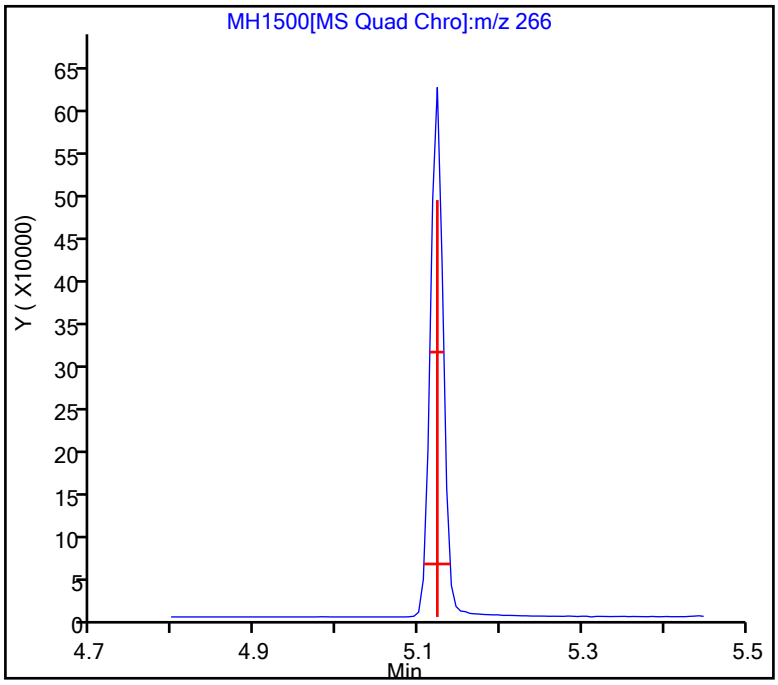
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1500.D
Injection Date: 22-Aug-2022 06:21:35 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 29-Apr-2022 14:24:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0056077-001
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:46 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 15:07:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
44 Pentachlorophenol_T	266	4.490	4.490	0.000	95	3411755	NR	NR	
45 DFTPP									
46 Benzidine_T	184	5.777	5.777	0.000	93	9564337	NR	NR	e
47 4,4'-DDE	246	5.928	5.928	0.000	78	16128		NR	
48 4,4'-DDD	235	6.211	6.211	0.000	93	117375		NR	
49 4,4'-DDT	235	6.465	6.465	0.000	94	6947393	NR	NR	e

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
e - Potential Peak Saturated

Reagents:

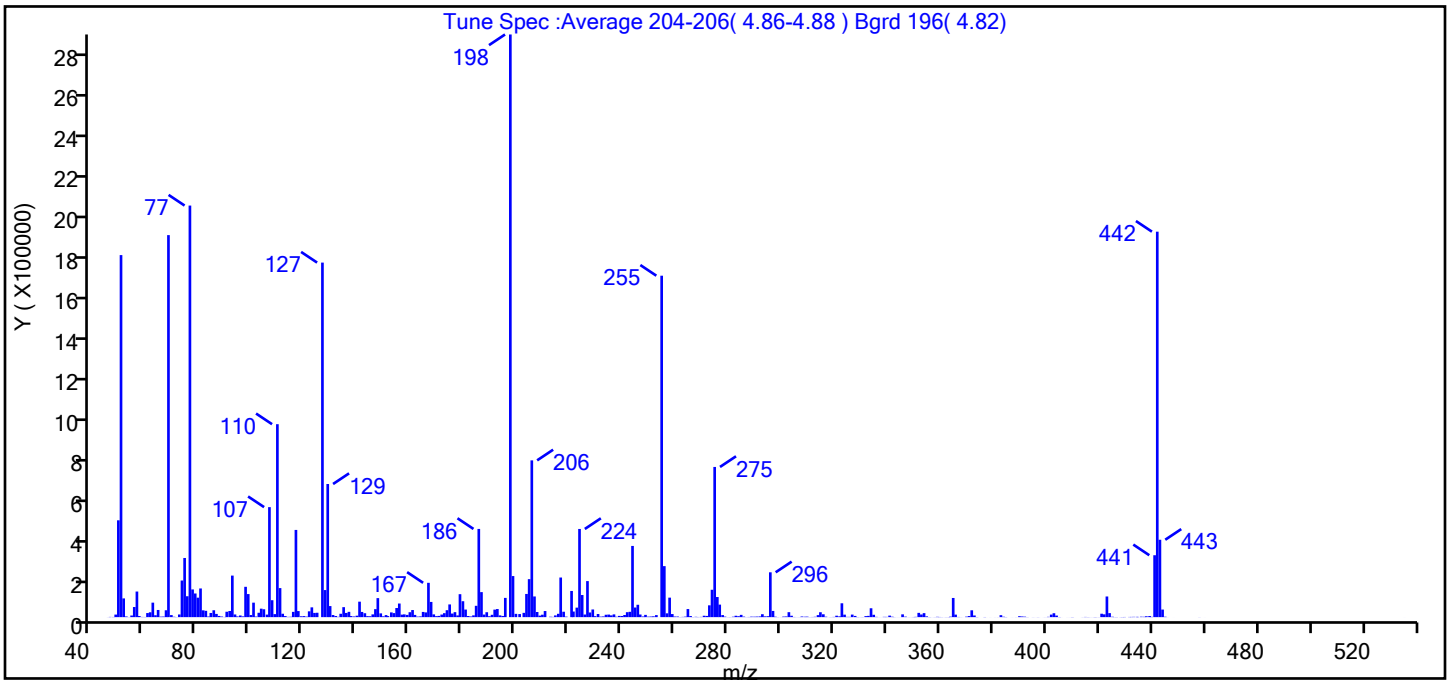
MSS_RVDFTPP_00009 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D
Injection Date: 29-Apr-2022 14:24:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM
Tune Method: DFTPP Method 8270D, BP 198

45 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (151.2)
51	10-80% of the base peak	62.1
68	<2% of mass 69	1.2 (1.8)
69	Present	65.6
70	<2% of mass 69	0.4 (0.5)
127	10-80% of the base peak	60.9
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	25.8
365	>1% of mass 198	3.3
441	present but <24% of mass 442	10.6 (16.1)
442	base peak, or >50% of 198	66.2
443	15-24% of mass 442	13.3 (20.1)

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 29-Apr-2022 14:24:30
Spectrum: Tune Spec :Average 204-206(4.86-4.88) Bgrd 196(4.82)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 392

m/z	Y	m/z	Y	m/z	Y	m/z	Y
46.00	270	145.00	4351	247.00	12931	346.00	13756
47.00	1120	146.00	13566	248.00	3220	347.00	2552
48.00	886	147.00	39336	249.00	11169	348.00	350
49.00	12595	148.00	93640	250.00	2514	349.00	299
50.00	476416	149.00	18560	251.00	3048	350.00	815
51.00	1781248	150.00	4096	252.00	4064	351.00	1458
52.00	92152	151.00	10114	253.00	10027	352.00	21048
53.00	3266	152.00	5256	255.00	1679872	353.00	13012
54.00	483	153.00	23288	256.00	250944	354.00	19688
55.00	7935	154.00	19832	257.00	18792	355.00	3750
56.00	49784	155.00	44904	258.00	95920	356.00	582
57.00	125976	156.00	67024	259.00	15166	357.00	212
58.00	5462	157.00	12381	260.00	2961	358.00	482
59.00	1056	158.00	13552	261.00	3006	359.00	1524
60.00	836	159.00	11159	262.00	628	360.00	914
61.00	20160	160.00	24224	263.00	1260	361.00	487
62.00	23920	161.00	34968	264.00	2585	362.00	511
63.00	71328	162.00	11004	265.00	39800	363.00	692
64.00	9306	163.00	2657	266.00	5449	364.00	2375
65.00	35256	164.00	3758	267.00	700	365.00	94368
66.00	2510	165.00	25616	268.00	1597	366.00	12422
67.00	2964	166.00	23264	269.00	829	367.00	982
68.00	33840	167.00	168896	270.00	1262	368.00	340
69.00	1879552	168.00	74848	271.00	6909	369.00	73
70.00	10078	169.00	13568	272.00	6042	370.00	2425
71.00	1849	170.00	4860	273.00	58152	371.00	5378
72.00	642	171.00	6105	274.00	134720	372.00	33688
73.00	13091	172.00	12746	275.00	738944	373.00	8109
74.00	180160	173.00	19552	276.00	98944	374.00	720
75.00	291072	174.00	34208	277.00	61632	377.00	740
76.00	102840	175.00	62552	278.00	10125	378.00	73
77.00	2024960	176.00	17680	279.00	2524	379.00	144
78.00	136320	177.00	24528	280.00	503	381.00	192

Report Date: 29-Apr-2022 18:27:46 Chrom Revision: 2.3 12-Apr-2022 20:29:44
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 29-Apr-2022 14:24:30
Spectrum: Tune Spec :Average 204-206(4.86-4.88) Bgrd 196(4.82)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 392

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	116360	178.00	8449	281.00	576	382.00	279
80.00	95800	179.00	112952	282.00	2170	383.00	9683
81.00	141120	180.00	78344	283.00	6833	384.00	1973
82.00	33528	181.00	37336	284.00	4583	385.00	752
83.00	31112	182.00	5624	285.00	11224	387.00	121
84.00	3147	183.00	3363	286.00	2544	388.00	92
85.00	20544	184.00	8782	287.00	449	389.00	277
86.00	33824	185.00	55760	288.00	904	390.00	4659
87.00	15889	186.00	433984	289.00	2495	391.00	3238
88.00	5893	187.00	123112	290.00	2251	392.00	2333
89.00	3008	188.00	12743	291.00	2793	393.00	529
90.00	987	189.00	24176	292.00	3519	395.00	290
91.00	26592	190.00	4533	293.00	14424	396.00	141
92.00	30280	191.00	11515	294.00	3855	397.00	432
93.00	204416	192.00	37024	295.00	4615	398.00	64
94.00	13199	193.00	39856	296.00	220608	399.00	156
95.00	3576	194.00	8599	297.00	30488	400.00	268
96.00	8132	195.00	5859	298.00	2237	401.00	1480
97.00	3777	196.00	94672	299.00	514	402.00	12472
98.00	149248	198.00	2866688	300.00	299	403.00	19240
99.00	113520	199.00	202112	301.00	2808	404.00	7725
100.00	10298	200.00	16172	302.00	3341	405.00	745
101.00	71280	201.00	15262	303.00	24376	406.00	105
102.00	2923	203.00	21112	304.00	6821	408.00	146
103.00	21520	204.00	114104	305.00	918	409.00	170
104.00	41728	205.00	186880	306.00	351	410.00	699
105.00	38784	206.00	771328	307.00	437	411.00	55
106.00	12484	207.00	101744	308.00	3152	414.00	99
107.00	541248	208.00	25288	309.00	2075	414.00	276
108.00	83280	209.00	7512	310.00	2480	415.00	1009
109.00	14836	210.00	11940	311.00	531	416.00	623
110.00	949312	211.00	30024	312.00	891	417.00	256
111.00	142912	213.00	1970	313.00	1799	418.00	430
112.00	16704	214.00	1280	314.00	9924	419.00	607

Report Date: 29-Apr-2022 18:27:46 Chrom Revision: 2.3 12-Apr-2022 20:29:44
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 29-Apr-2022 14:24:30
Spectrum: Tune Spec :Average 204-206(4.86-4.88) Bgrd 196(4.82)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 392

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	5167	215.00	8549	315.00	24128	420.00	416
114.00	1336	216.00	16456	316.00	14087	421.00	16800
115.00	1854	217.00	194944	317.00	2135	422.00	13837
116.00	25952	218.00	26624	318.00	188	423.00	101640
117.00	429056	219.00	2513	319.00	474	424.00	19776
118.00	29856	221.00	128808	320.00	1124	425.00	1967
119.00	4254	222.00	27528	321.00	7095	426.00	462
120.00	5090	223.00	46776	322.00	3916	427.00	627
121.00	2665	224.00	433856	323.00	68200	428.00	494
122.00	28616	225.00	108784	324.00	12236	429.00	715
123.00	48184	226.00	12923	325.00	1393	430.00	859
124.00	20848	227.00	177344	326.00	1323	432.00	974
125.00	21592	228.00	22936	327.00	12581	432.00	1098
127.00	1744384	229.00	37704	328.00	5983	433.00	1452
128.00	133184	230.00	4792	329.00	770	434.00	1333
129.00	655040	231.00	15390	330.00	385	435.00	1073
130.00	54464	232.00	2610	331.00	607	436.00	2258
131.00	10375	233.00	3552	332.00	4998	437.00	1876
132.00	5467	234.00	11787	333.00	6227	438.00	4322
133.00	1611	235.00	12588	334.00	43704	439.00	5433
134.00	16584	236.00	8675	335.00	11606	440.00	1416
135.00	49120	237.00	13519	336.00	1402	441.00	304576
136.00	20688	238.00	1957	337.00	264	442.00	1896448
137.00	26048	239.00	6172	338.00	170	443.00	380736
138.00	5341	240.00	5685	339.00	1432	444.00	37288
139.00	3329	241.00	10525	340.00	1270	445.00	2035
140.00	7130	242.00	24304	341.00	7552	446.00	159
141.00	76144	243.00	26224	342.00	2210	448.00	60
142.00	25592	244.00	350336	343.00	508	458.00	345
143.00	19216	245.00	47392	344.00	228	460.00	63
144.00	4927	246.00	60888	345.00	226	535.00	71

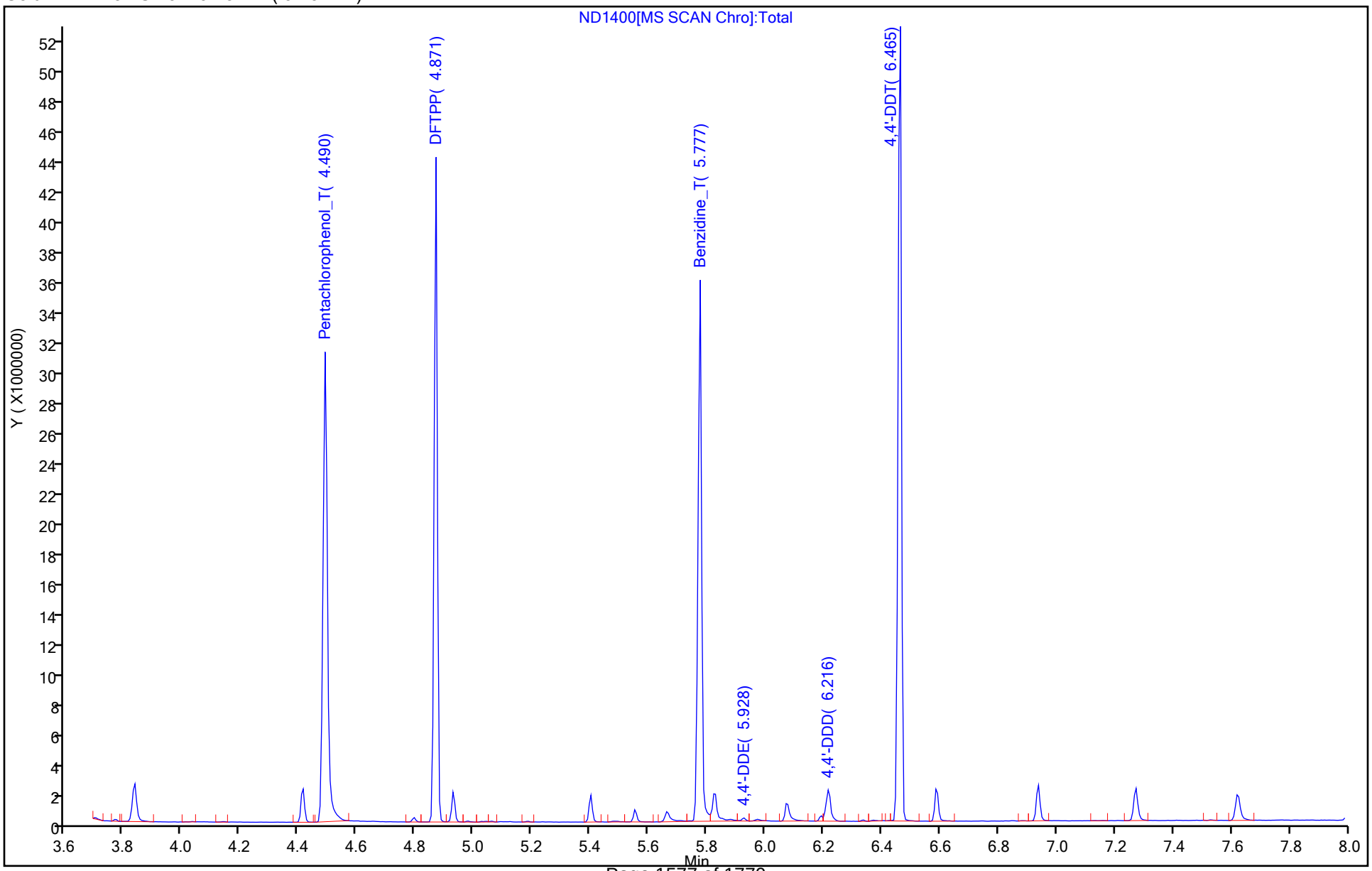
Report Date: 29-Apr-2022 18:27:46 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D

Injection Date:	29-Apr-2022 14:24:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D
Injection Date: 29-Apr-2022 14:24:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

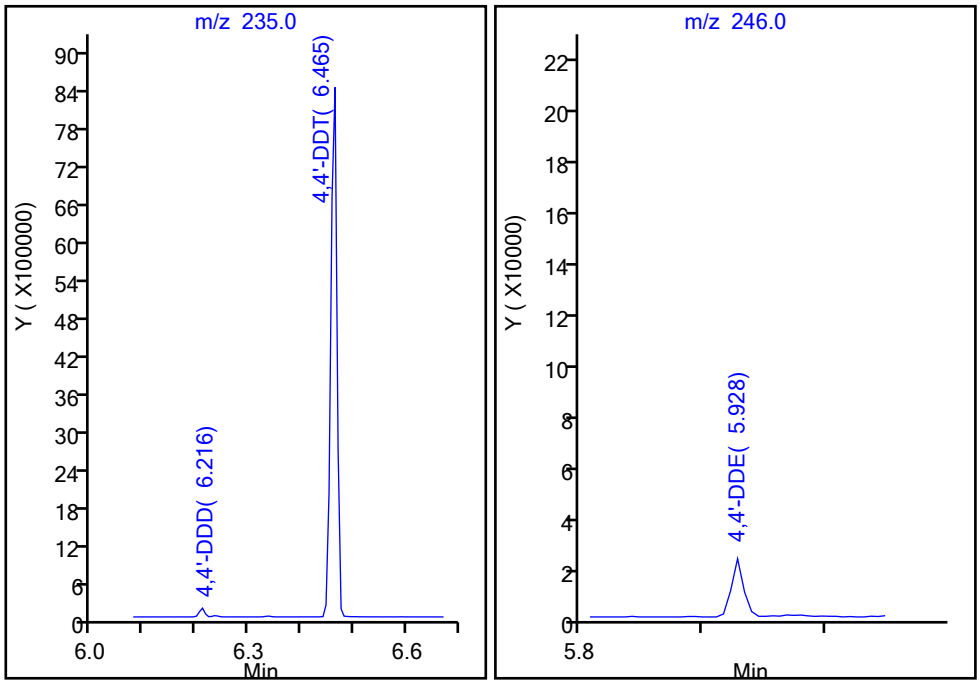
49 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 6947393
47 4,4'-DDE, Area = 16128
48 4,4'-DDD, Area = 117375

%Breakdown: 1.89%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

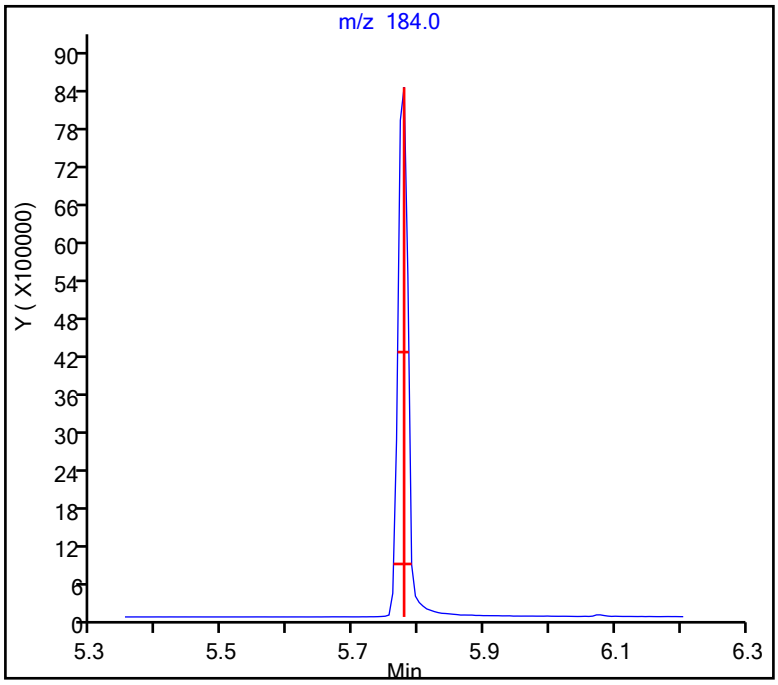
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D
Injection Date: 29-Apr-2022 14:24:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.75, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

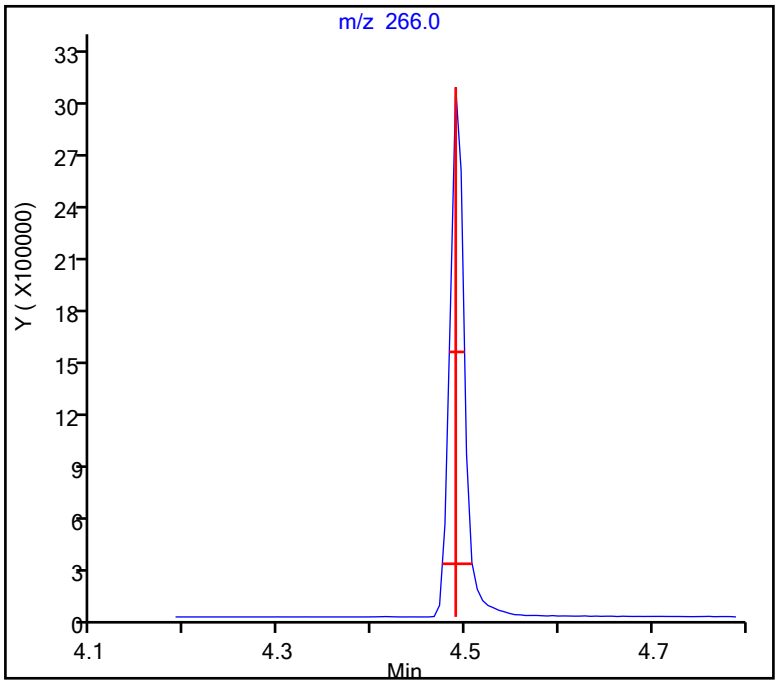
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D
Injection Date: 29-Apr-2022 14:24:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.29, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1150a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 17-Aug-2022 17:31:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0064397-001
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 17-Aug-2022 19:03:53 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1674

First Level Reviewer: SJ89 Date: 17-Aug-2022 17:46:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
44 Pentachlorophenol_T	266	4.317	4.317	0.000	98	2666400	NR	NR	
45 DFTPP									
46 Benzidine_T	184	5.599	5.599	0.000	99	6958116	NR	NR	
48 4,4'-DDD	235	6.032	6.032	0.000	92	87715		NR	
49 4,4'-DDT	235	6.280	6.280	0.000	97	5951541	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

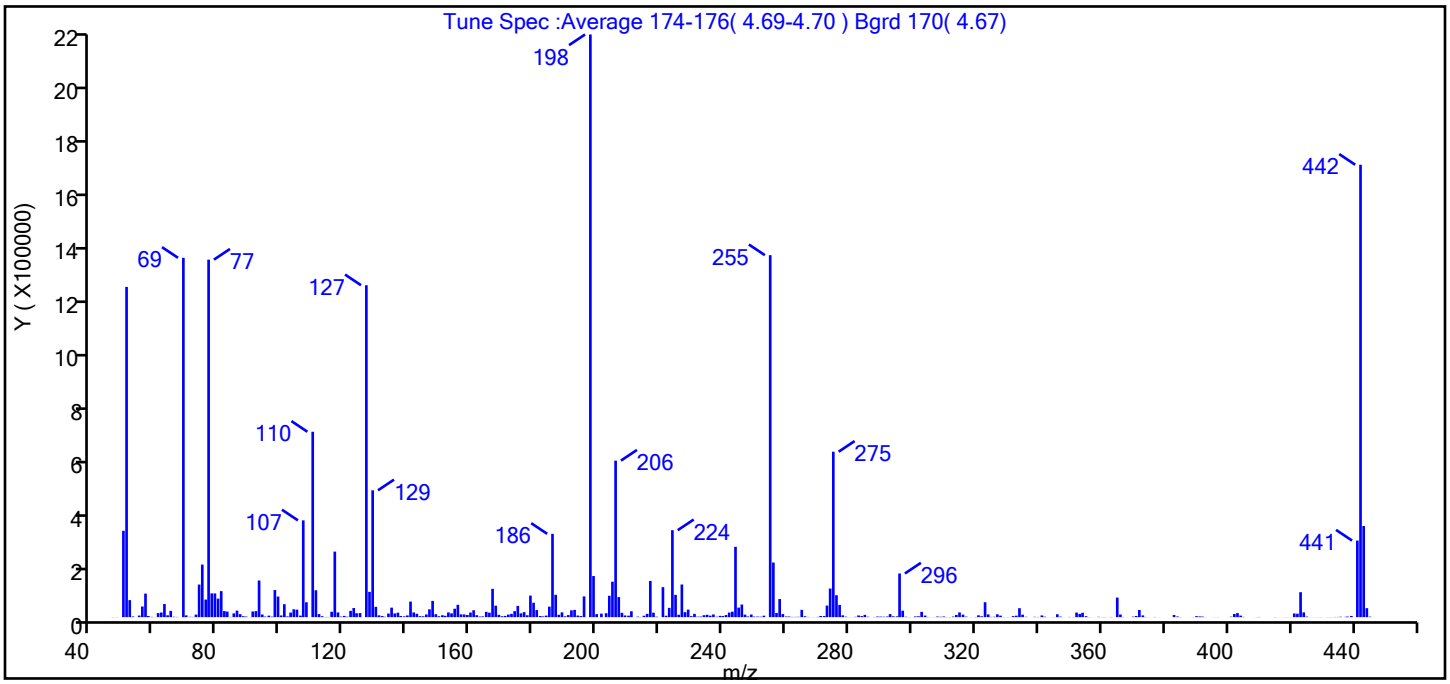
MSS_RVDFTPP_00011 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1150a.D
Injection Date: 17-Aug-2022 17:31:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM
Tune Method: DFTPP Method 8270D, BP 198

45 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (128.8)
51	10-80% of the base peak	56.7
68	<2% of mass 69	0.0 (0.0)
69	Present	61.7
70	<2% of mass 69	0.3 (0.5)
127	10-80% of the base peak	57.0
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	28.4
365	>1% of mass 198	3.4
441	present but <24% of mass 442	13.1 (16.9)
442	base peak, or >50% of 198	77.6
443	15-24% of mass 442	15.6 (20.1)

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1150a.D\8270_SIM_HP23263.rslt\spectr
Injection Date: 17-Aug-2022 17:31:30
Spectrum: Tune Spec :Average 174-176(4.69-4.70) Bgrd 170(4.67)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
46.00	171	145.00	3090	243.00	20088	340.00	713
47.00	465	146.00	9848	244.00	257664	341.00	6254
48.00	463	147.00	28712	245.00	34904	342.00	1703
50.00	316288	148.00	59592	246.00	46192	343.00	310
51.00	1209856	149.00	10779	247.00	9106	344.00	181
52.00	62360	150.00	3375	248.00	2544	345.00	430
53.00	2393	151.00	6930	249.00	9582	346.00	10603
55.00	5835	152.00	4912	250.00	1999	347.00	1886
56.00	39024	153.00	17384	251.00	2021	348.00	222
57.00	86336	154.00	13967	252.00	1582	350.00	766
58.00	4225	155.00	30832	253.00	5343	351.00	546
59.00	1063	156.00	45144	255.00	1326080	352.00	16712
60.00	446	157.00	10249	256.00	200128	353.00	11751
61.00	14811	158.00	9892	257.00	15080	354.00	15999
62.00	16880	159.00	7942	258.00	66320	355.00	3533
63.00	48064	160.00	16784	259.00	11205	356.00	415
64.00	6735	161.00	25272	260.00	2310	357.00	43
65.00	23096	162.00	7171	261.00	2222	358.00	142
66.00	1324	163.00	2252	262.00	860	359.00	1098
67.00	804	164.00	2673	263.00	984	360.00	456
69.00	1316352	165.00	19392	264.00	1211	361.00	603
70.00	6531	166.00	16361	265.00	26680	362.00	215
71.00	1223	167.00	103568	266.00	3284	363.00	659
72.00	880	168.00	41928	267.00	855	365.00	71696
73.00	9403	169.00	8480	268.00	336	366.00	9728
74.00	119288	170.00	3392	269.00	451	367.00	687
75.00	192512	171.00	4557	270.00	897	368.00	111
76.00	64320	172.00	9418	271.00	4313	370.00	1750
77.00	1309696	173.00	11966	272.00	3961	371.00	4228
78.00	87136	174.00	22048	273.00	42496	372.00	26216
79.00	86944	175.00	41032	274.00	104808	373.00	6351
80.00	67832	176.00	13871	275.00	606016	374.00	722
81.00	95352	177.00	18336	276.00	80408	375.00	196

Report Date: 17-Aug-2022 19:03:54 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1150a.D\8270_SIM_HP23263.rslt\spectr
Injection Date: 17-Aug-2022 17:31:30
Spectrum: Tune Spec :Average 174-176(4.69-4.70) Bgrd 170(4.67)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	22200	178.00	6924	277.00	44896	377.00	694
83.00	20232	179.00	78944	278.00	6690	378.00	261
84.00	816	180.00	52776	279.00	1686	379.00	51
85.00	13758	181.00	25904	280.00	371	381.00	72
86.00	23800	182.00	4157	281.00	258	383.00	7993
87.00	10846	183.00	2679	282.00	1072	384.00	2363
88.00	3372	184.00	5645	283.00	6142	385.00	437
89.00	2178	185.00	38472	284.00	3872	388.00	79
90.00	301	186.00	305216	285.00	8388	389.00	419
91.00	20792	187.00	81840	286.00	1544	390.00	3678
92.00	22168	188.00	8630	288.00	629	391.00	2640
93.00	134208	189.00	17520	289.00	2251	392.00	2132
94.00	9608	190.00	3014	290.00	1982	393.00	221
95.00	2040	191.00	7604	291.00	1575	395.00	236
96.00	5518	192.00	24984	292.00	2267	396.00	307
97.00	1765	193.00	26576	293.00	11123	397.00	403
98.00	99216	194.00	5881	294.00	3114	398.00	62
99.00	75368	195.00	3969	295.00	2906	400.00	123
100.00	6164	196.00	76032	296.00	159936	401.00	1552
101.00	47448	198.00	2134528	297.00	23528	402.00	11500
102.00	2646	199.00	150592	298.00	1412	403.00	14942
103.00	16656	200.00	11202	299.00	445	404.00	5654
104.00	28752	202.00	12843	300.00	187	405.00	874
105.00	27472	203.00	14392	301.00	2644	408.00	153
106.00	5539	204.00	78224	302.00	3183	409.00	265
107.00	354560	205.00	129752	303.00	19472	410.00	664
108.00	54576	206.00	573440	304.00	5699	411.00	65
110.00	679168	207.00	73488	305.00	734	415.00	571
111.00	98520	208.00	15812	306.00	259	416.00	139
112.00	11277	209.00	6124	307.00	379	417.00	146
113.00	3393	210.00	5388	308.00	2215	418.00	331
114.00	733	211.00	21592	309.00	1332	419.00	202
115.00	756	213.00	1826	310.00	2396	420.00	240
116.00	19792	214.00	714	311.00	411	421.00	13462

Report Date: 17-Aug-2022 19:03:54 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1150a.D\8270_SIM_HP23263.rslt\spectr
Injection Date: 17-Aug-2022 17:31:30
Spectrum: Tune Spec :Average 174-176(4.69-4.70) Bgrd 170(4.67)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	240128	215.00	5166	312.00	610	422.00	12560
118.00	17288	216.00	12070	313.00	2064	423.00	91416
119.00	1940	217.00	132672	314.00	8061	424.00	17528
120.00	4576	218.00	16332	315.00	17296	425.00	2040
121.00	1624	219.00	1668	316.00	9213	426.00	243
122.00	23064	221.00	109880	317.00	1943	427.00	201
123.00	33408	222.00	5156	318.00	72	428.00	134
124.00	14449	223.00	33968	319.00	281	429.00	364
125.00	14849	224.00	318528	320.00	697	430.00	337
127.00	1216000	225.00	81560	321.00	6691	431.00	306
128.00	92576	226.00	8737	322.00	3137	432.00	449
129.00	464704	227.00	119592	323.00	54680	433.00	264
130.00	37896	228.00	18400	324.00	9914	434.00	631
131.00	6645	229.00	27632	325.00	947	435.00	704
132.00	3982	230.00	3537	326.00	1367	436.00	1420
133.00	1410	231.00	11964	327.00	10361	437.00	1123
134.00	13116	232.00	1845	328.00	5488	438.00	2068
135.00	34856	233.00	2156	329.00	646	439.00	4396
136.00	13567	234.00	7159	330.00	392	441.00	280576
137.00	16392	235.00	8807	331.00	290	442.00	1657344
138.00	4052	236.00	5455	332.00	3746	443.00	333824
139.00	2908	237.00	9781	333.00	5413	444.00	32848
140.00	6169	238.00	1539	334.00	32824	445.00	1839
141.00	57056	239.00	4755	335.00	9040	446.00	166
142.00	17304	240.00	4029	336.00	1282	459.00	62
143.00	12321	241.00	7601	337.00	98		
144.00	3582	242.00	16712	339.00	1161		

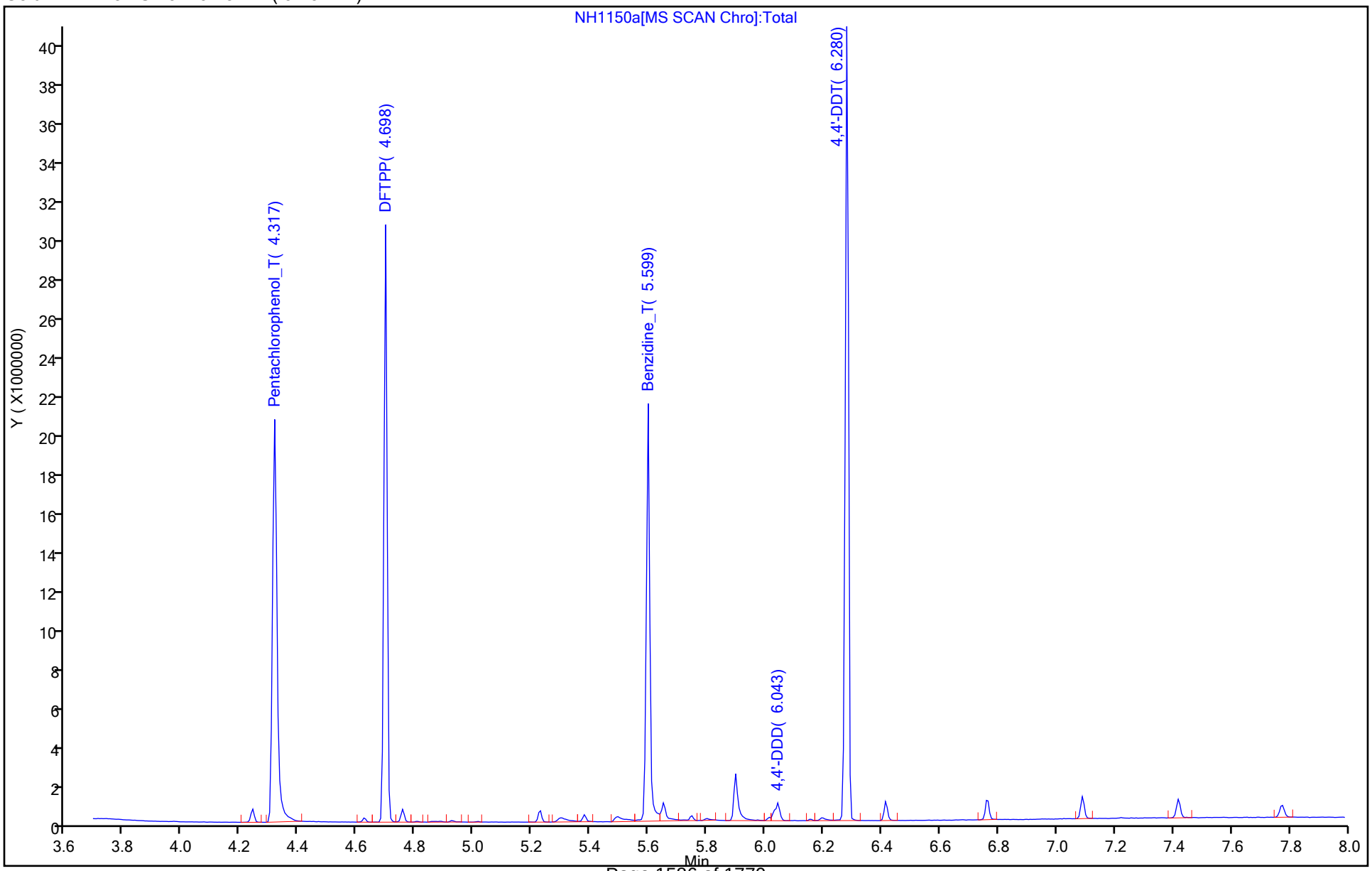
Report Date: 17-Aug-2022 19:03:54 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1150a.D

Injection Date:	17-Aug-2022 17:31:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1150a.D				
Injection Date:	17-Aug-2022 17:31:30	Instrument ID:	HP23263		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

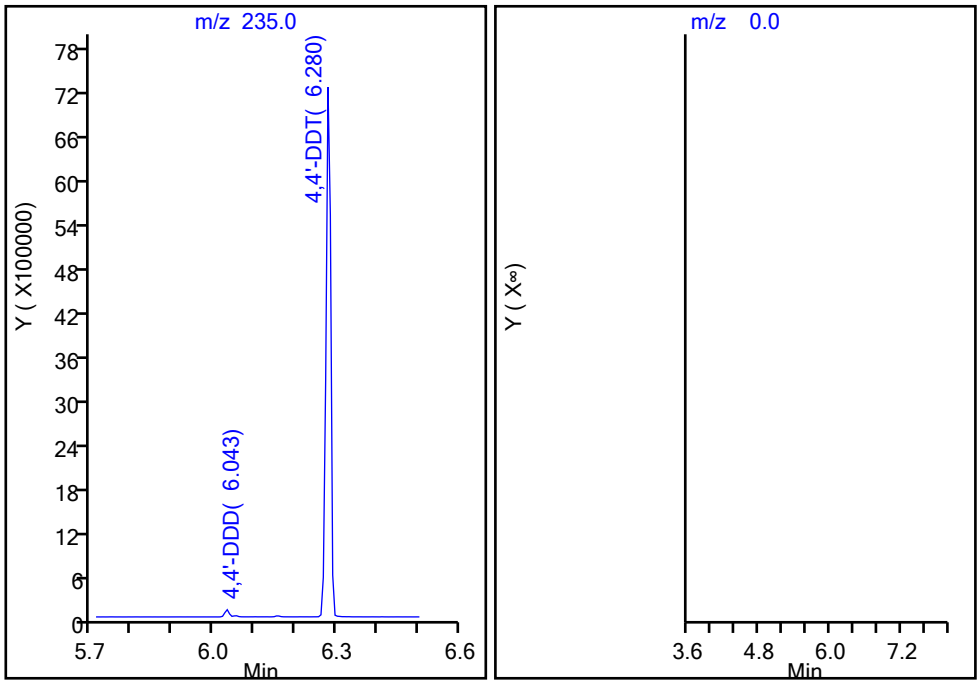
49 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 5951541
47 4,4'-DDE, Area = 0
48 4,4'-DDD, Area = 87715

%Breakdown: 1.45%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

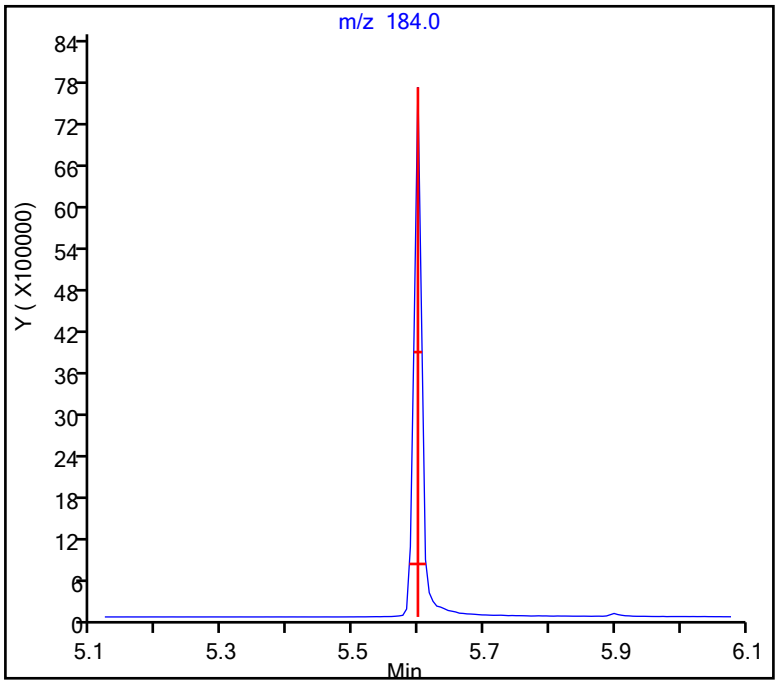
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1150a.D
Injection Date: 17-Aug-2022 17:31:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.92, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

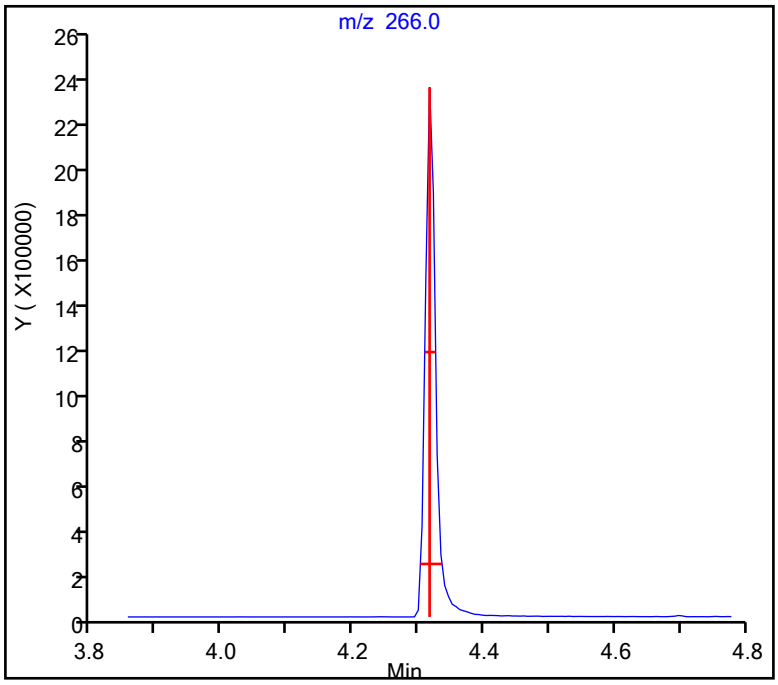
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1150a.D
Injection Date: 17-Aug-2022 17:31:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.36, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1300.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 19-Aug-2022 04:21:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0064507-001
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 07:01:52 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 05:01:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
44 Pentachlorophenol_T	266	4.305	4.305	0.000	98	2507712	NR	NR	
45 DFTPP									
46 Benzidine_T	184	5.587	5.587	0.000	99	7132407	NR	NR	
48 4,4'-DDD	235	6.020	6.020	0.000	93	80779		NR	
49 4,4'-DDT	235	6.269	6.269	0.000	97	5421476	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

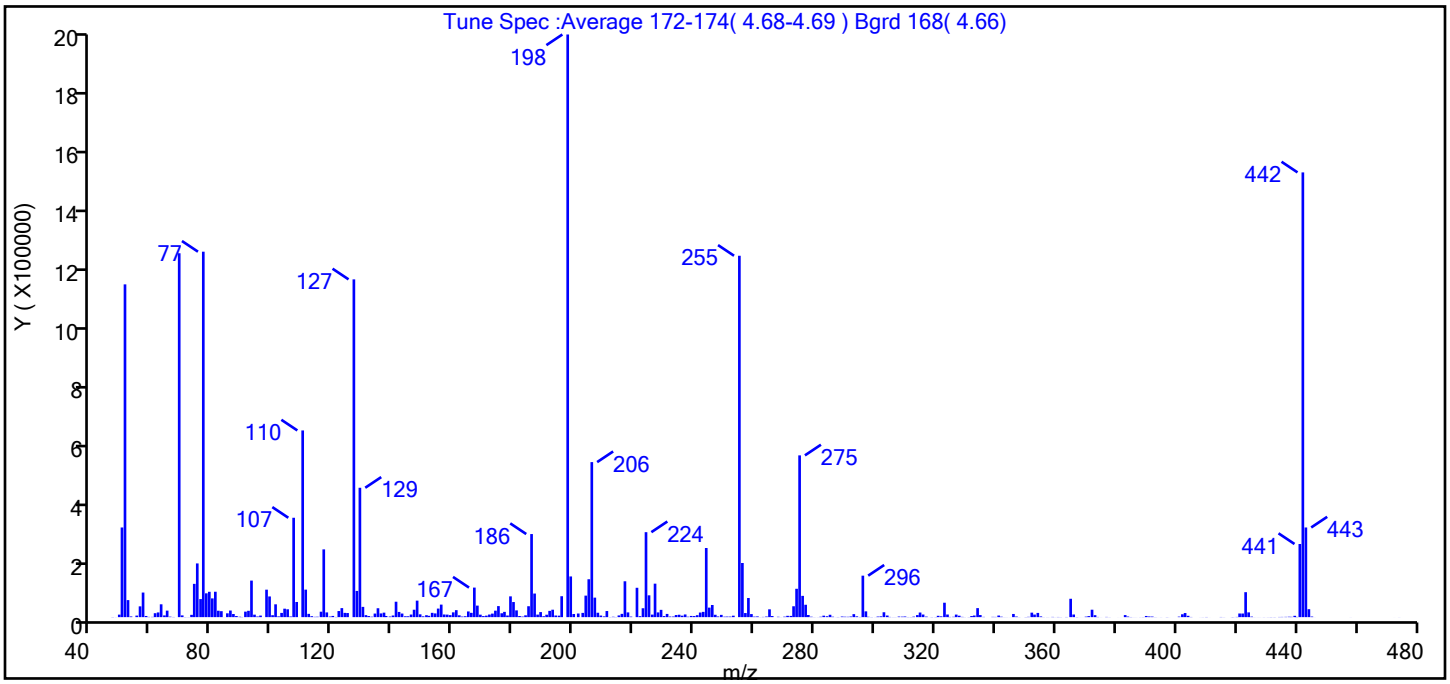
MSS_RVDFTPP_00011 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1300.D
Injection Date: 19-Aug-2022 04:21:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM
Tune Method: DFTPP Method 8270D, BP 198

45 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (131.0)
51	10-80% of the base peak	57.1
68	<2% of mass 69	0.0 (0.0)
69	Present	62.5
70	<2% of mass 69	0.3 (0.5)
127	10-80% of the base peak	58.0
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.0
275	10-60% of the base peak	27.8
365	>1% of mass 198	3.2
441	present but <24% of mass 442	12.6 (16.4)
442	base peak, or >50% of 198	76.3
443	15-24% of mass 442	15.4 (20.2)

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1300.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 19-Aug-2022 04:21:30
Spectrum: Tune Spec :Average 172-174(4.68-4.69) Bgrd 168(4.66)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
47.00	478	147.00	24304	245.00	31176	344.00	167
48.00	177	148.00	54040	246.00	39776	345.00	129
49.00	8214	149.00	9226	247.00	7763	346.00	10405
50.00	293568	150.00	2683	248.00	2269	347.00	1962
51.00	1089536	151.00	6345	249.00	7439	348.00	274
52.00	55776	152.00	4338	250.00	1521	350.00	469
53.00	2295	153.00	14093	251.00	1832	351.00	1020
55.00	5075	154.00	12189	252.00	1778	352.00	14703
56.00	35344	155.00	28048	253.00	4757	353.00	8443
57.00	80528	156.00	41048	255.00	1183232	354.00	13843
58.00	3804	157.00	8704	256.00	177280	355.00	2377
59.00	797	158.00	8276	257.00	13408	356.00	294
60.00	841	159.00	6564	258.00	62648	357.00	223
61.00	12874	160.00	15701	259.00	10044	358.00	123
62.00	15390	161.00	22872	260.00	1685	359.00	749
63.00	42056	162.00	6034	261.00	2369	360.00	182
64.00	5654	163.00	1923	262.00	263	361.00	581
65.00	21336	164.00	2906	263.00	763	362.00	311
66.00	1584	165.00	18656	264.00	1972	364.00	541
67.00	565	166.00	14114	265.00	25616	365.00	60152
69.00	1191424	167.00	96760	266.00	3621	366.00	8627
70.00	5703	168.00	37760	268.00	1223	367.00	467
71.00	480	169.00	8105	269.00	212	368.00	103
72.00	353	170.00	3456	270.00	1565	369.00	65
73.00	7510	171.00	4925	271.00	4342	370.00	1640
74.00	108984	172.00	8539	272.00	4033	371.00	3394
75.00	175872	173.00	11579	273.00	35624	372.00	24336
76.00	59128	174.00	21184	274.00	92856	373.00	6372
77.00	1196544	175.00	36160	275.00	529664	374.00	668
78.00	77984	176.00	12688	276.00	69656	375.00	118
79.00	83016	177.00	17288	277.00	40552	377.00	719
80.00	61384	178.00	5378	278.00	6980	378.00	245
81.00	83184	179.00	68056	279.00	1363	381.00	79

Report Date: 19-Aug-2022 07:01:53 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1300.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 19-Aug-2022 04:21:30
Spectrum: Tune Spec :Average 172-174(4.68-4.69) Bgrd 168(4.66)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	21008	180.00	49464	280.00	291	382.00	53
83.00	19536	181.00	22128	281.00	229	383.00	6714
84.00	156	182.00	3686	282.00	1276	384.00	2014
85.00	12524	183.00	1817	283.00	4823	385.00	499
86.00	21648	184.00	5931	284.00	2957	386.00	141
87.00	10243	185.00	35744	285.00	7803	387.00	114
88.00	3579	186.00	272064	286.00	1470	388.00	221
89.00	1274	187.00	77256	287.00	140	389.00	356
90.00	565	188.00	8289	288.00	513	390.00	3814
91.00	18040	189.00	16584	289.00	1982	391.00	2208
92.00	20752	190.00	2976	290.00	1392	392.00	1874
93.00	119656	191.00	7931	291.00	1166	393.00	301
94.00	8128	192.00	20528	292.00	2050	394.00	86
95.00	2119	193.00	24328	293.00	9821	395.00	190
96.00	5119	194.00	5325	294.00	2571	397.00	357
98.00	89944	195.00	4809	295.00	600	398.00	70
99.00	67760	196.00	68512	296.00	135808	401.00	1696
100.00	6328	198.00	1907712	297.00	18968	402.00	9392
101.00	42008	199.00	133248	298.00	1224	403.00	13416
102.00	2374	200.00	10279	299.00	449	404.00	4385
103.00	13888	202.00	11896	300.00	184	405.00	608
104.00	27680	203.00	13936	301.00	1853	408.00	114
105.00	25760	204.00	70432	302.00	2591	409.00	241
106.00	2081	205.00	124096	303.00	16018	410.00	527
107.00	325376	206.00	507584	304.00	5291	411.00	55
108.00	49640	207.00	63864	305.00	726	415.00	562
110.00	611264	208.00	14409	306.00	278	416.00	249
111.00	90056	209.00	5204	307.00	288	419.00	312
112.00	10747	210.00	2456	308.00	1899	419.00	299
113.00	3057	211.00	20040	309.00	1596	420.00	706
114.00	1002	212.00	511	310.00	2105	421.00	11926
115.00	1365	213.00	1244	311.00	512	422.00	11878
116.00	17824	214.00	519	312.00	468	423.00	81712
117.00	221888	215.00	5589	313.00	1695	424.00	15568

Report Date: 19-Aug-2022 07:01:53 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1300.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 19-Aug-2022 04:21:30
Spectrum: Tune Spec :Average 172-174(4.68-4.69) Bgrd 168(4.66)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	15501	216.00	10762	314.00	6688	425.00	1766
119.00	1945	217.00	117424	315.00	15101	426.00	200
120.00	3975	218.00	15502	316.00	8569	427.00	136
121.00	563	219.00	1769	317.00	1778	428.00	133
122.00	19984	221.00	96128	318.00	69	429.00	257
123.00	29552	222.00	3128	319.00	458	430.00	251
124.00	13996	223.00	29144	320.00	475	432.00	448
125.00	13455	224.00	278208	321.00	4409	432.00	139
127.00	1105920	225.00	71440	322.00	2521	433.00	272
128.00	85792	226.00	8309	323.00	47208	434.00	622
129.00	423616	227.00	109632	324.00	8596	435.00	758
130.00	33616	228.00	15462	325.00	695	436.00	928
131.00	6513	229.00	23880	326.00	1174	438.00	1361
132.00	3609	230.00	3498	327.00	8371	438.00	996
133.00	1466	231.00	10553	328.00	4661	439.00	4380
134.00	11711	232.00	1963	329.00	886	440.00	730
135.00	29136	233.00	2072	330.00	261	441.00	239488
136.00	12211	234.00	6881	331.00	378	442.00	1456128
137.00	14716	235.00	7841	332.00	3586	443.00	293568
138.00	3786	236.00	4820	333.00	5298	444.00	26048
139.00	1971	237.00	8784	334.00	29544	445.00	1950
140.00	5361	238.00	1436	335.00	6838	446.00	110
141.00	50504	239.00	3958	336.00	810	458.00	116
142.00	17048	240.00	3528	339.00	902	472.00	59
143.00	11791	241.00	6334	340.00	748	474.00	146
144.00	2832	242.00	15040	341.00	5267		
145.00	2834	243.00	17256	342.00	1460		
146.00	8528	244.00	226368	343.00	242		

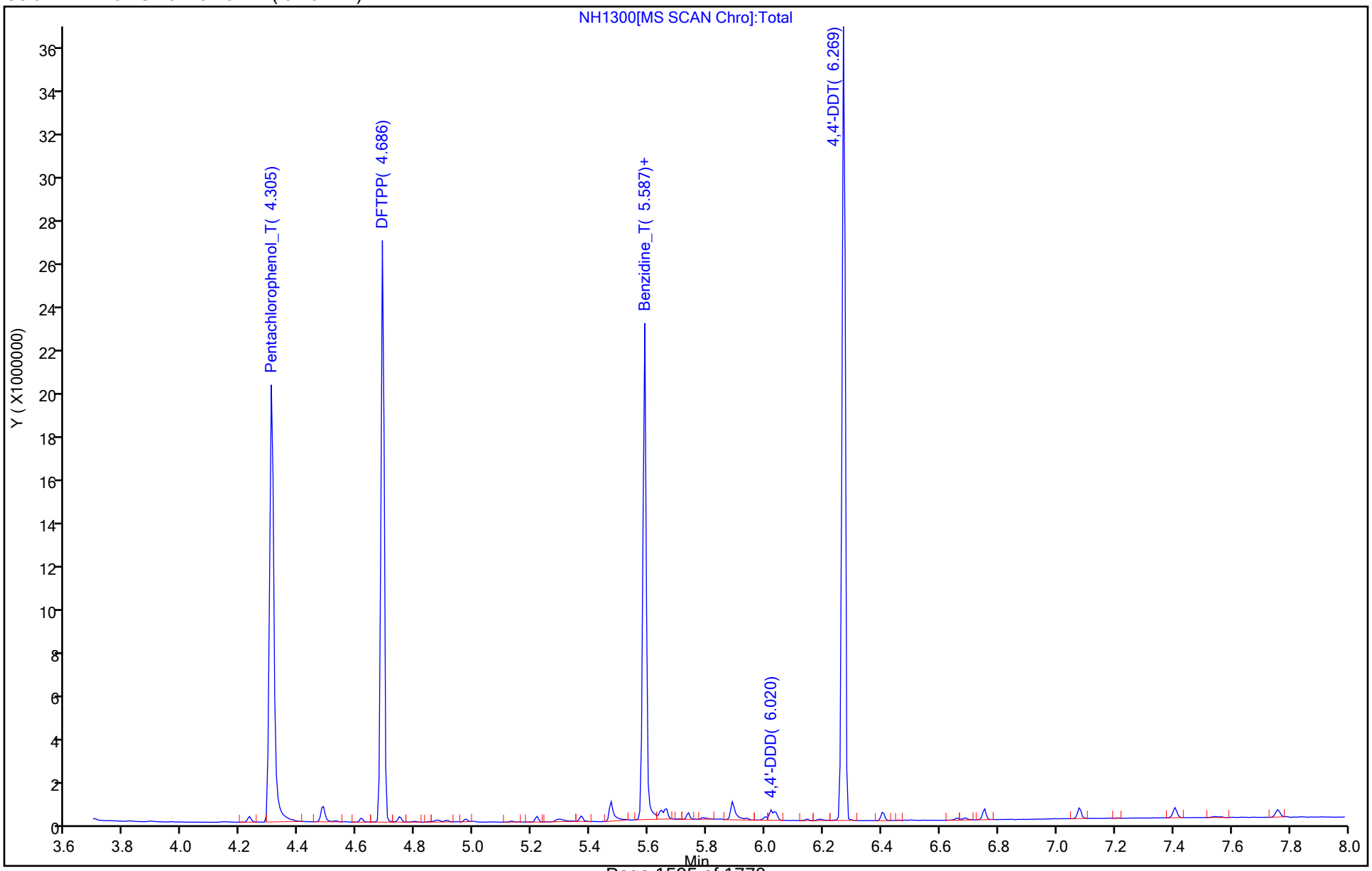
Report Date: 19-Aug-2022 07:01:53 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1300.D

Injection Date:	19-Aug-2022 04:21:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1300.D				
Injection Date:	19-Aug-2022 04:21:30	Instrument ID:	HP23263		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

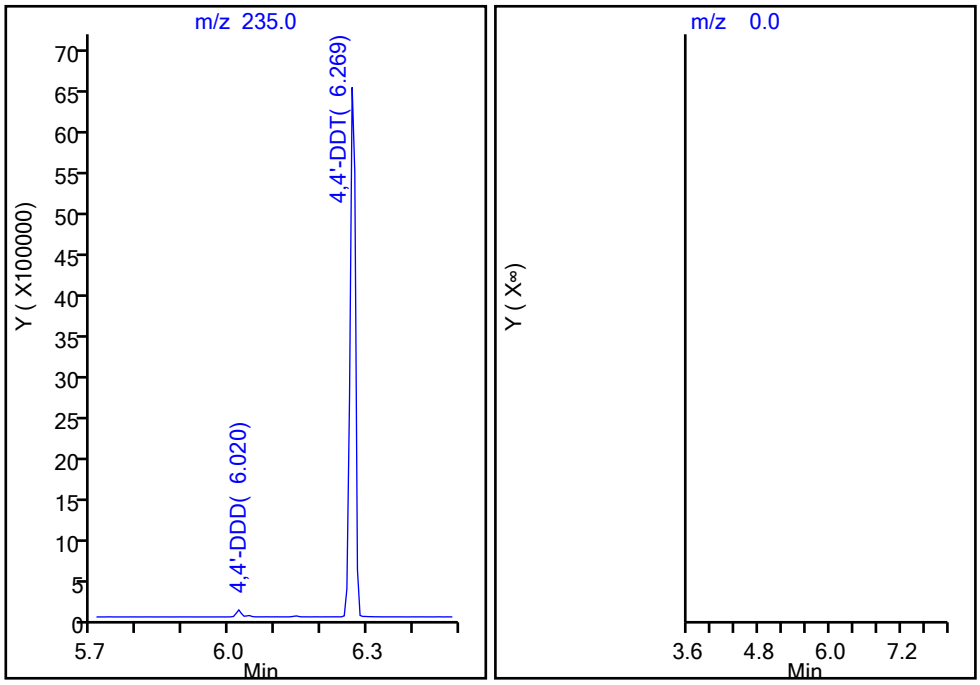
49 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 5421476
47 4,4'-DDE, Area = 0
48 4,4'-DDD, Area = 80779

%Breakdown: 1.47%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

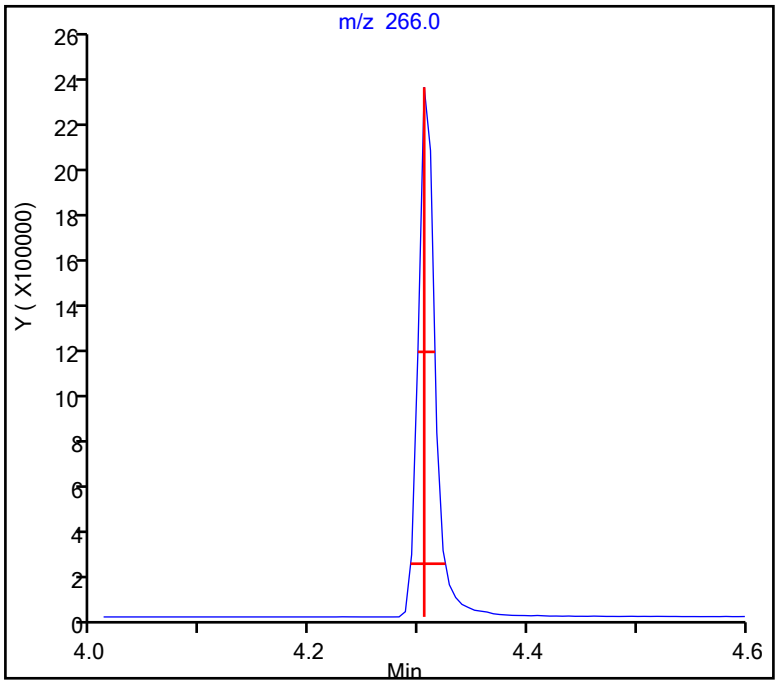
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1300.D
Injection Date: 19-Aug-2022 04:21:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.67, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

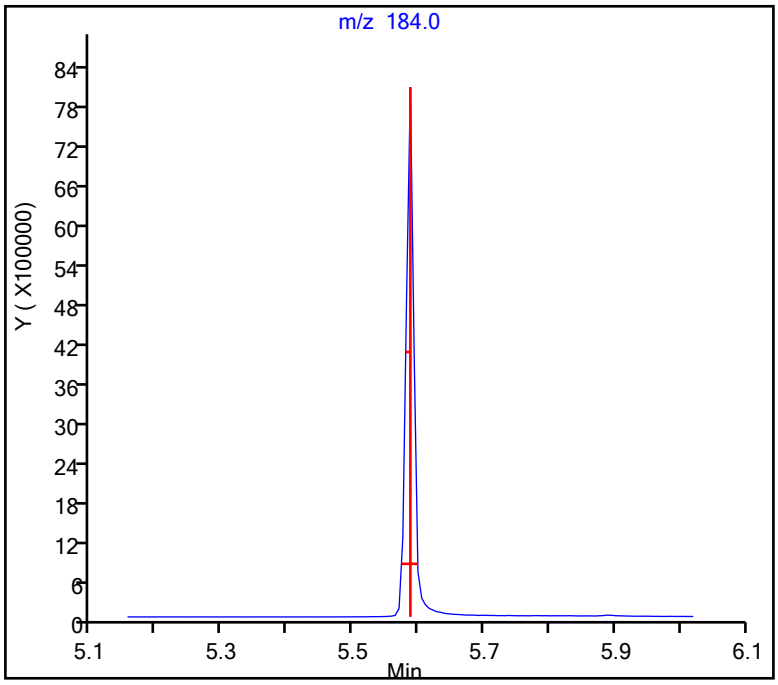
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1300.D
Injection Date: 19-Aug-2022 04:21:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.79, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-286366/1-A

Matrix: Water
Lab File ID: MH1255.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/16/2022 09:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/16/2022 19:45

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 286632
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.30	0.10
90-12-0	1-Methylnaphthalene	ND		0.050	0.020
91-57-6	2-Methylnaphthalene	ND		0.050	0.020
83-32-9	Acenaphthene	ND		0.050	0.010
208-96-8	Acenaphthylene	ND		0.050	0.010
120-12-7	Anthracene	ND		0.050	0.010
56-55-3	Benzo[a]anthracene	ND		0.050	0.010
50-32-8	Benzo[a]pyrene	ND		0.050	0.010
205-99-2	Benzo[b]fluoranthene	ND		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	ND		0.050	0.010
207-08-9	Benzo[k]fluoranthene	ND		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	ND		0.050	0.020
85-68-7	Butylbenzylphthalate	ND		1.0	0.050
218-01-9	Chrysene	ND		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	ND		0.050	0.020
132-64-9	Dibenzofuran	ND		0.050	0.010
84-66-2	Diethylphthalate	ND		1.0	0.050
131-11-3	Dimethylphthalate	ND		1.0	0.050
84-74-2	Di-n-butyl phthalate	ND		1.0	0.050
117-84-0	Di-n-octyl phthalate	ND		1.0	0.050
206-44-0	Fluoranthene	ND		0.050	0.010
86-73-7	Fluorene	ND		0.050	0.010
118-74-1	Hexachlorobenzene	ND		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.050	0.020
91-20-3	Naphthalene	ND		0.070	0.030
62-75-9	N-Nitrosodimethylamine	ND		0.050	0.020
85-01-8	Phenanthrene	ND		0.070	0.030
129-00-0	Pyrene	ND		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-286366/1-A

Matrix: Water Lab File ID: MH1255.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 08/16/2022 09:09

Sample wt/vol: 250(mL) Date Analyzed: 08/16/2022 19:45

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 286632 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	66		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	80		10-110
93951-69-0	Fluoranthene-d10 (Surr)	79		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1255.D
Lims ID: MB 410-286366/1-A
Client ID:
Sample Type: MB
Inject. Date: 16-Aug-2022 19:45:15 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-286366/1-A
Misc. Info.: 410-0064300-006
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 17-Aug-2022 03:47:00 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: UJM0 Date: 17-Aug-2022 03:32:19

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.823	1.824	0.012	88	4889		0.0221	M
*	4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	84	78592	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.729	5.729	0.000	93	285790	0.2500	0.2500	
$	9 1-Methylnaphthalene-d10	152	6.455	6.456	0.000	99	107820	0.2500	0.1651	
*	13 Acenaphthene-d10	164	7.381	7.381	0.000	97	139463	0.2500	0.2500	
*	20 Phenanthrene-d10	188	8.791	8.799	-0.008	95	240712	0.2500	0.2500	
$	24 Fluoranthene-d10 (Surr)	212	9.928	9.935	-0.007	98	200219	0.2500	0.1974	
*	29 Chrysene-d12	240	11.465	11.466	-0.001	55	184188	0.2500	0.2500	
	31 Bis(2-ethylhexyl) phthalate	149	11.519	11.519	-0.008	100	25111		0.1036	M
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.298	13.291	-0.001	100	128464	0.2500	0.1989	
*	38 Perylene-d12	264	13.413	13.421	-0.008	100	174710	0.2500	0.2500	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

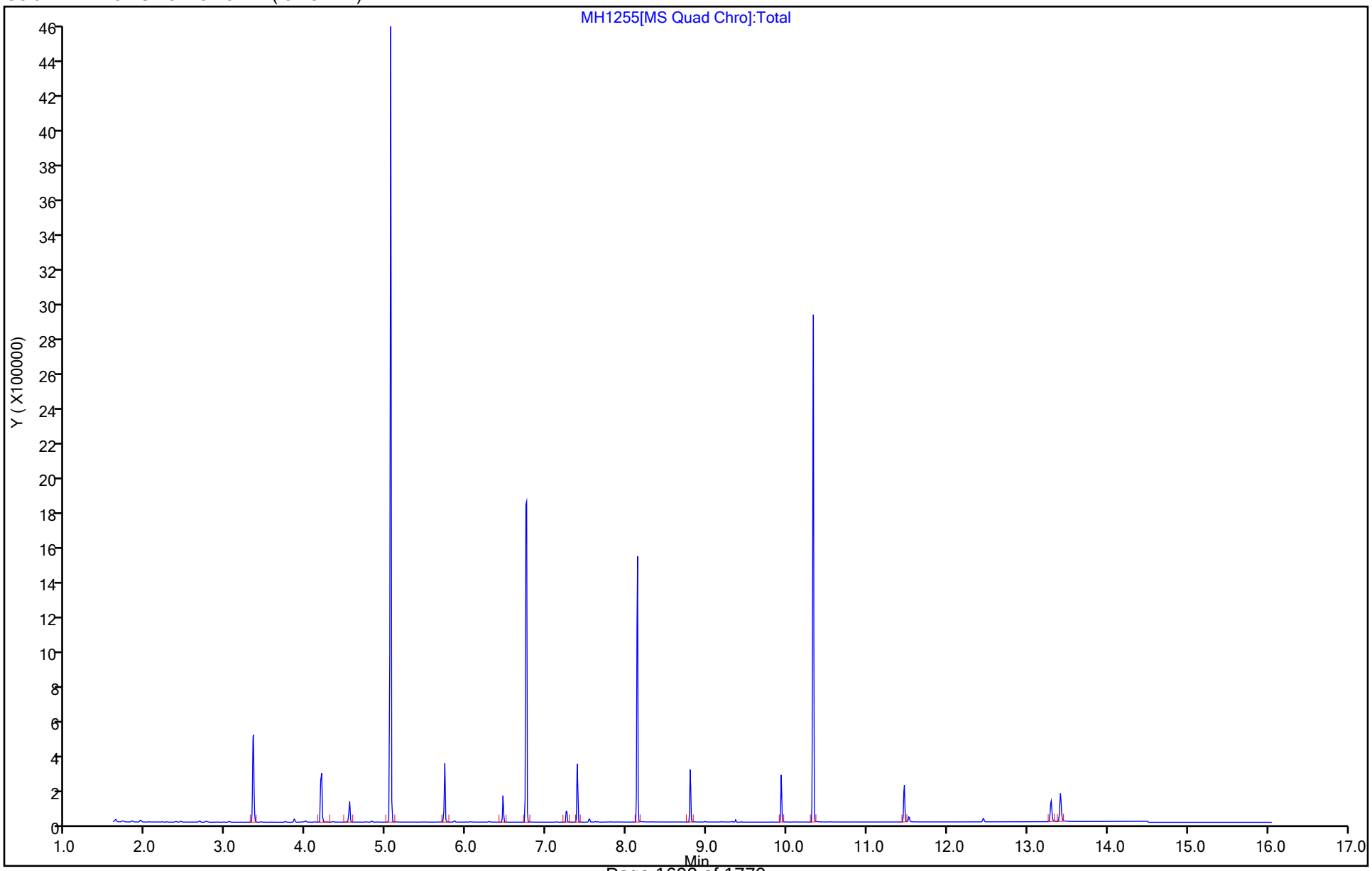
Report Date: 17-Aug-2022 03:47:24 Chrom Revision: 2.3 16-Aug-2022 20:53:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1255.D

Injection Date:	16-Aug-2022 19:45:15	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	MB 410-286366/1-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1255.D
Lims ID: MB 410-286366/1-A
Client ID:
Sample Type: MB
Inject. Date: 16-Aug-2022 19:45:15 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-286366/1-A
Misc. Info.: 410-0064300-006
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 17-Aug-2022 03:47:00 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: UJM0 Date: 17-Aug-2022 03:32:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1651	66.04
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1974	78.97
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1989	79.56

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

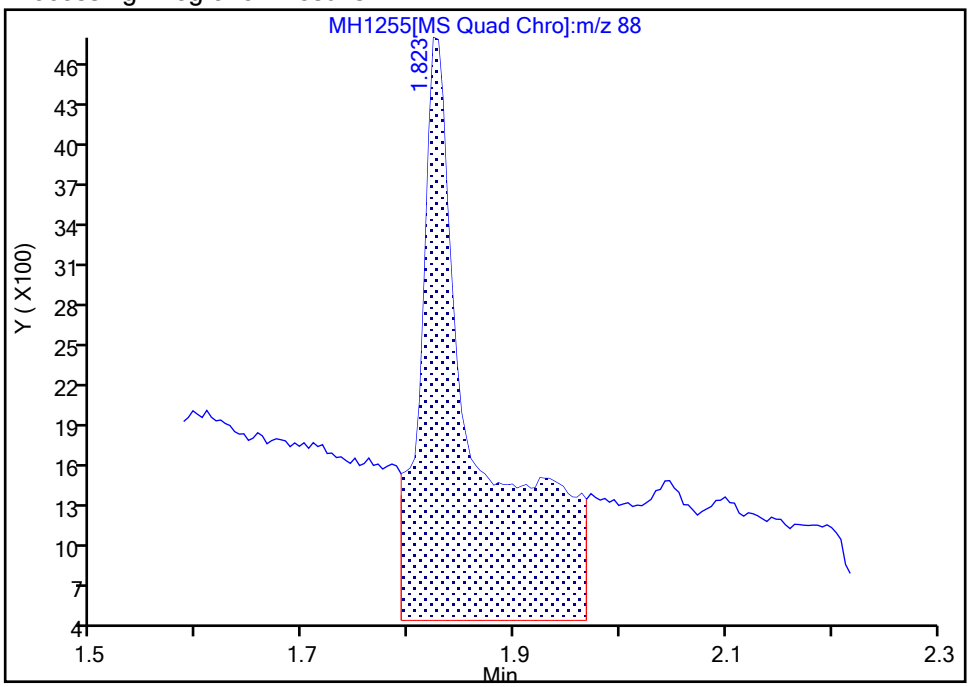
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1255.D				
Injection Date:	16-Aug-2022 19:45:15	Instrument ID:	HP21585		
Lims ID:	MB 410-286366/1-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

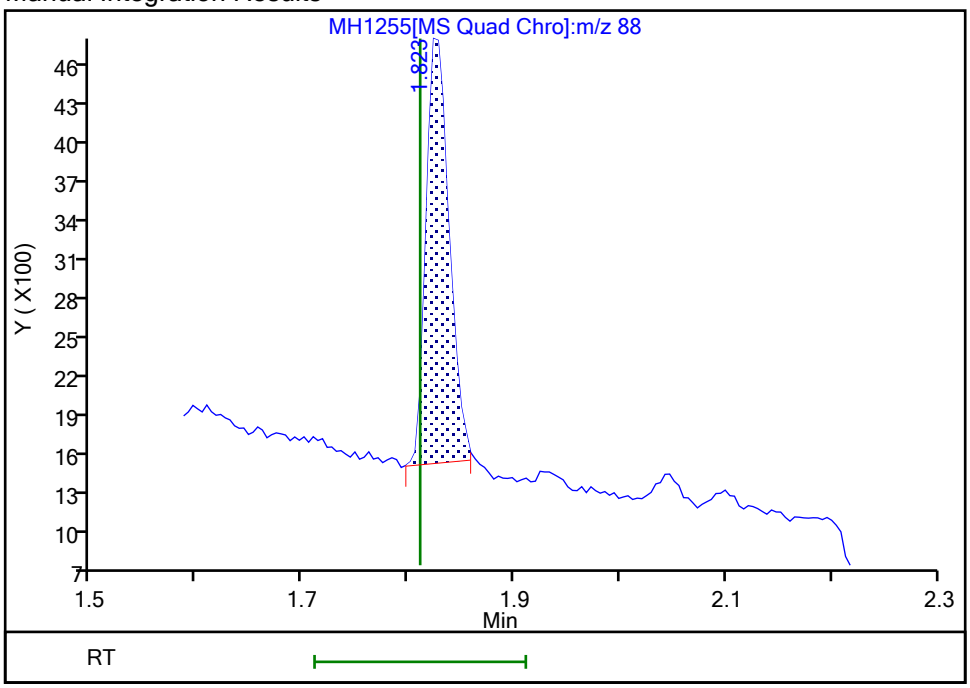
Processing Integration Results

RT: 1.82
Area: 16033
Amount: 0.072538
Amount Units: ug/ml



Manual Integration Results

RT: 1.82
Area: 4889
Amount: 0.022119
Amount Units: ug/ml



Reviewer: UJM0, 17-Aug-2022 03:31:47

Audit Action: Manually Integrated Audit Reason: Baseline

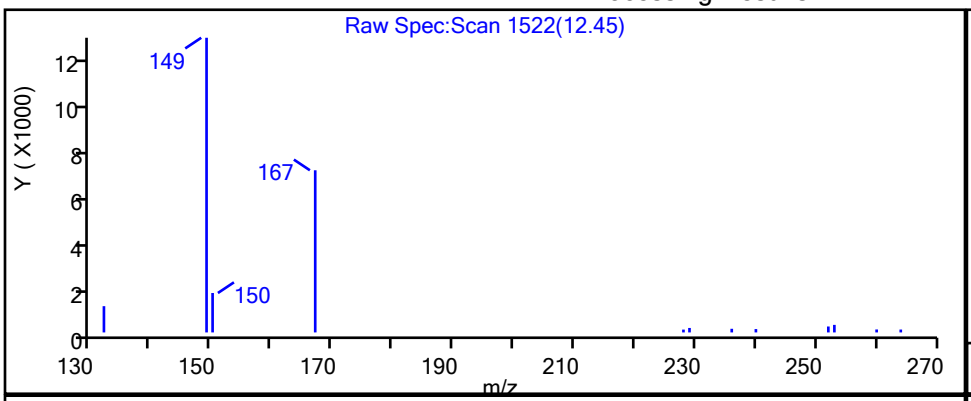
User Disabled Compound Report

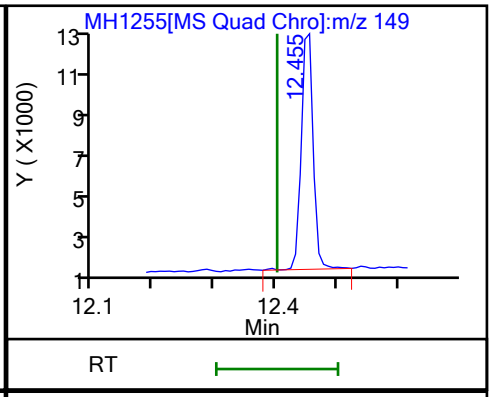
Eurofins Lancaster Laboratories Environment Testing, LLC

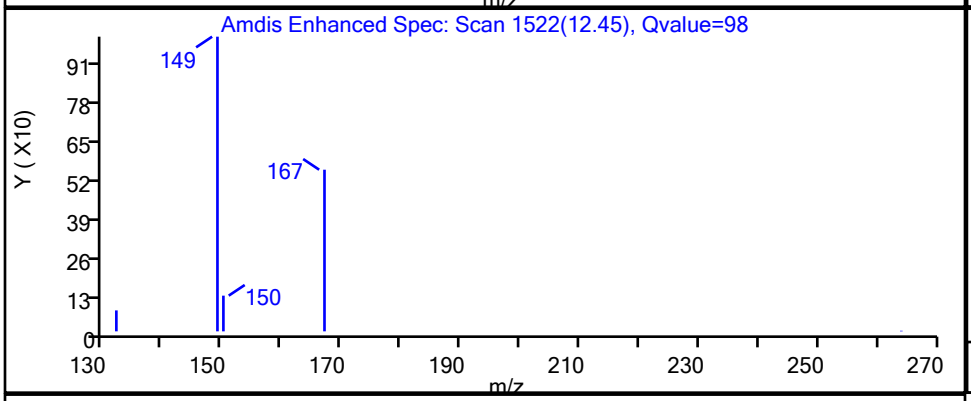
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1255.D				
Injection Date:	16-Aug-2022 19:45:15	Instrument ID:	HP21585		
Lims ID:	MB 410-286366/1-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

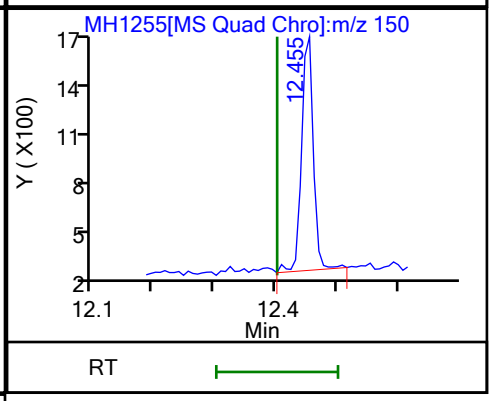
32 Di-n-octyl phthalate, CAS: 117-84-0

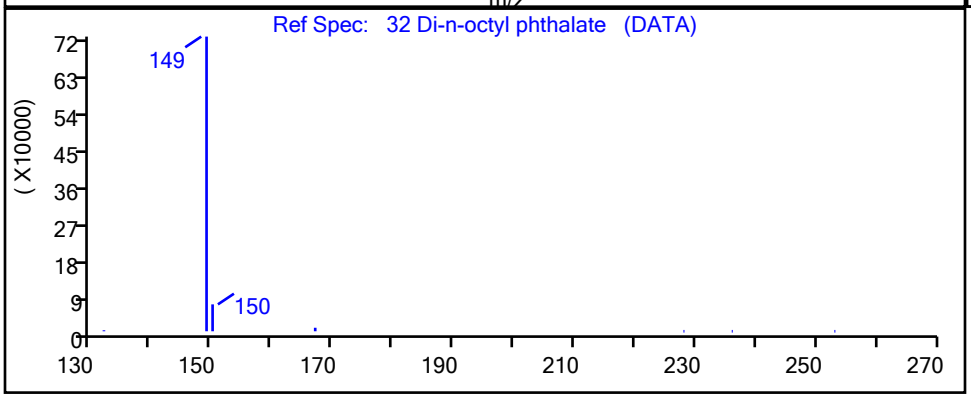
Processing Results











RT	Mass	Response	Amount
12.45	149.00	14872	0.066447
12.45	150.00	1798	

Reviewer: UJM0, 17-Aug-2022 03:32:16

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-286366/1-A RA

Matrix: Water
Lab File ID: NH1154.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/16/2022 09:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/17/2022 19:09

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287123
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1.0	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	73		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	85		10-110
93951-69-0	Fluoranthene-d10 (Surr)	78		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1154.D
Lims ID: MB 410-286366/1-A
Client ID:
Sample Type: MB
Inject. Date: 17-Aug-2022 19:09:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-286366/1-A
Misc. Info.: 410-0064397-005
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 17-Aug-2022 19:33:35 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1674

First Level Reviewer: SJ89 Date: 17-Aug-2022 19:33:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.521	1.521	0.013	85	3971		0.0216	M
* 4 1,4-Dichlorobenzene-d4	152	4.380	4.380	0.000	96	66104	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.592	5.592	0.000	100	223924	0.2500	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.324	6.324	0.000	99	89051	0.2500	0.1824	
* 13 Acenaphthene-d10	164	7.256	7.256	0.000	98	106671	0.2500	0.2500	
16 Diethyl phthalate	149	7.680	7.680	0.000	100	3745		0.007725	M
* 20 Phenanthrene-d10	188	8.668	8.660	0.008	100	178255	0.2500	0.2500	
23 Di-n-butyl phthalate	149	9.240	9.248	0.000	100	8832		0.0134	
$ 24 Fluoranthene-d10 (Surr)	212	9.798	9.807	0.000	98	141451	0.2500	0.1960	
* 29 Chrysene-d12	240	11.280	11.280	0.000	82	125218	0.2500	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.342	11.342	0.000	98	2243		0.006668	7M
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.044	13.044	0.000	99	91803	0.2500	0.2113	
* 38 Perylene-d12	264	13.159	13.159	0.000	97	115023	0.2500	0.2500	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

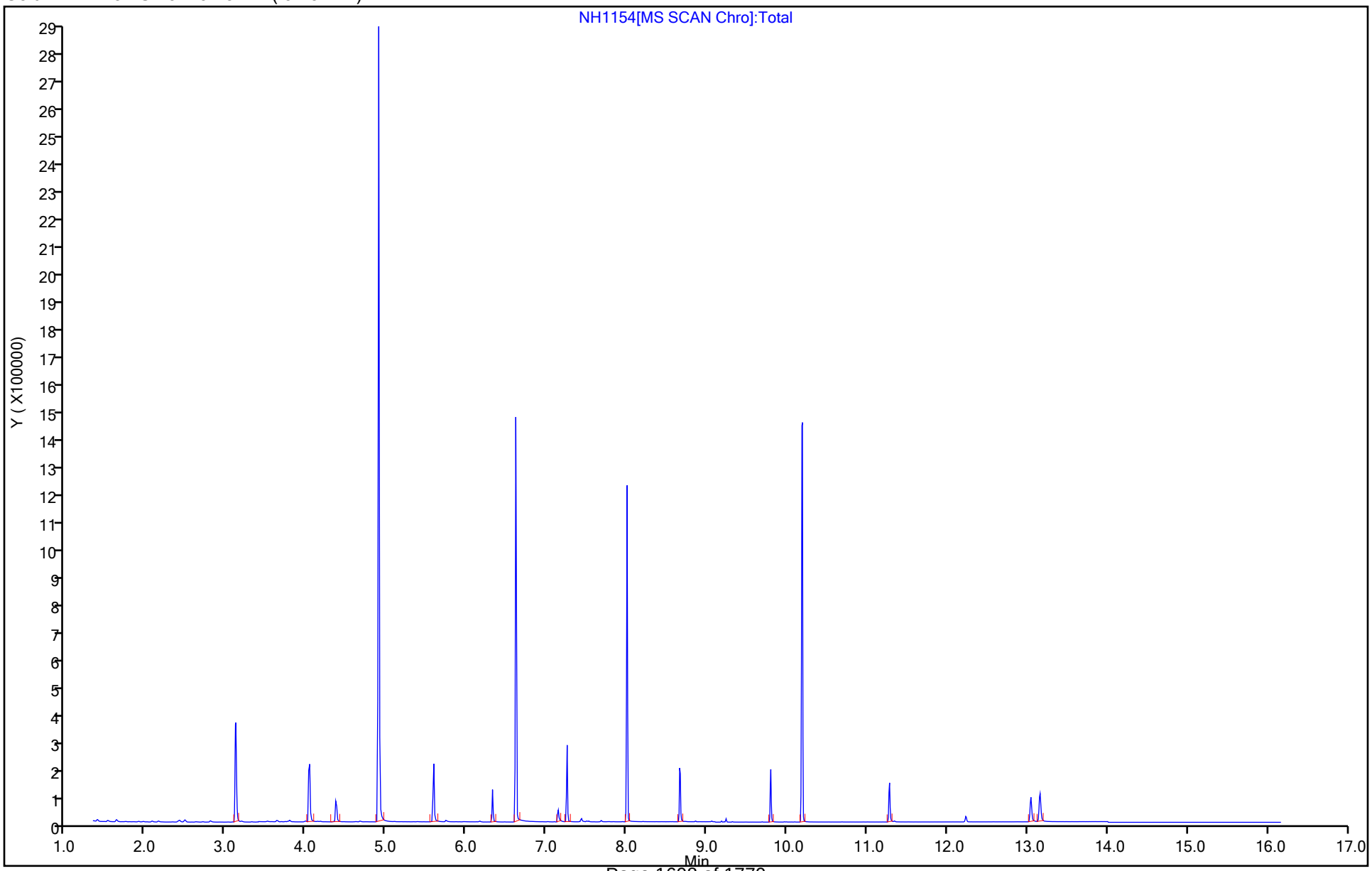
Report Date: 17-Aug-2022 19:43:53 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1154.D

Injection Date:	17-Aug-2022 19:09:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	MB 410-286366/1-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1154.D
Lims ID: MB 410-286366/1-A
Client ID:
Sample Type: MB
Inject. Date: 17-Aug-2022 19:09:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-286366/1-A
Misc. Info.: 410-0064397-005
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 17-Aug-2022 19:33:35 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1674

First Level Reviewer: SJ89 Date: 17-Aug-2022 19:33:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1824	72.97
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1960	78.39
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2113	84.50

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

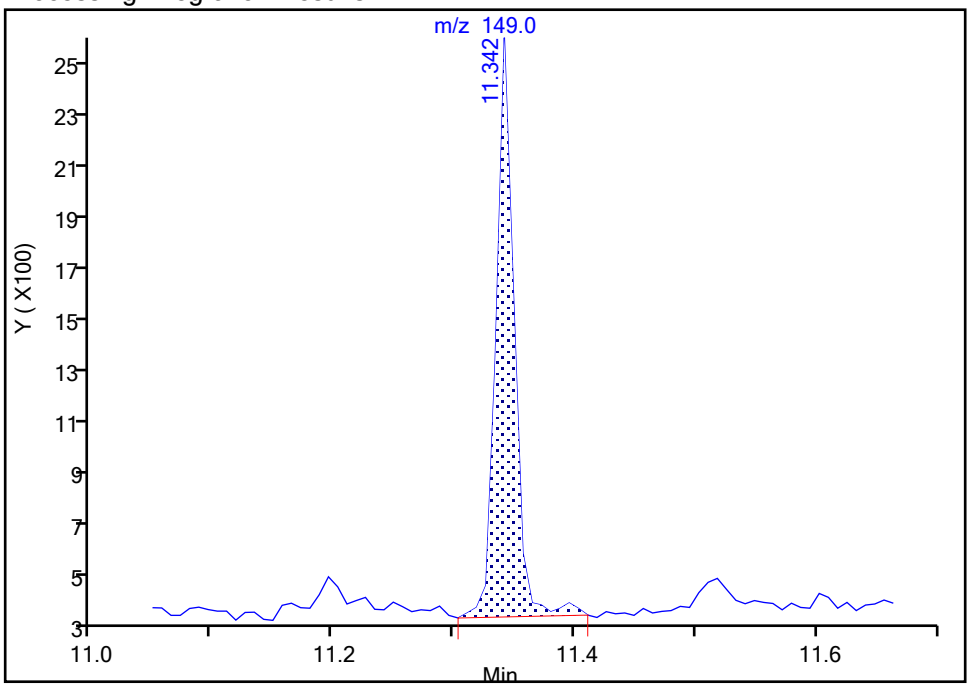
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220817-64397.b\NH1154.D				
Injection Date:	17-Aug-2022 19:09:30	Instrument ID:	HP23263		
Lims ID:	MB 410-286366/1-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

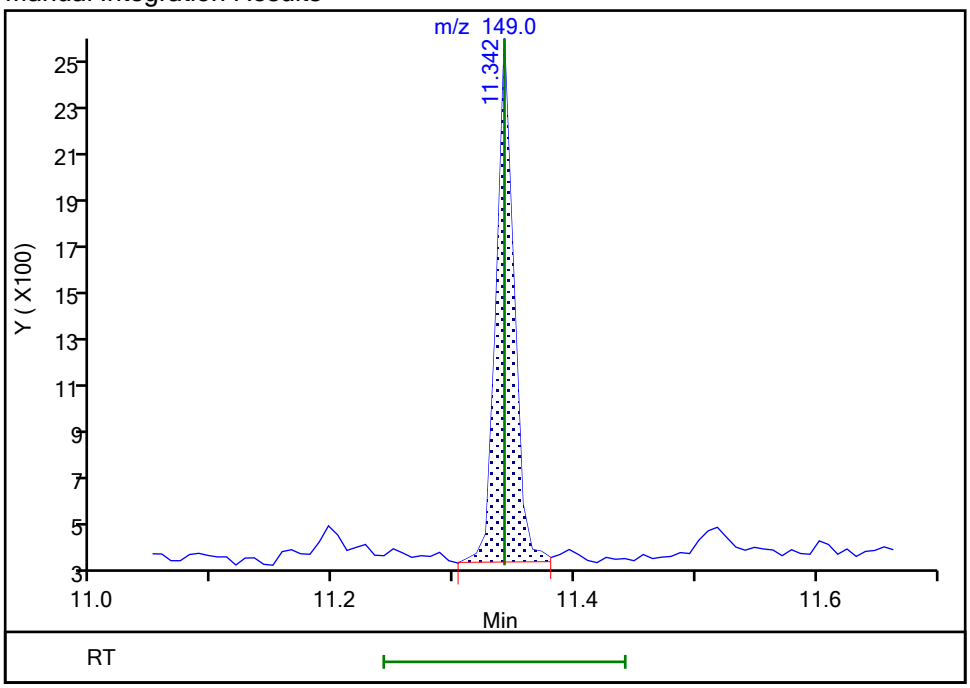
Processing Integration Results

RT: 11.34
Area: 2295
Amount: 0.006823
Amount Units: ug/ml



Manual Integration Results

RT: 11.34
Area: 2243
Amount: 0.006668
Amount Units: ug/ml



Reviewer: SJ89, 17-Aug-2022 19:33:18
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-287248/1-A

Matrix: Water
Lab File ID: MH1405.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 250(mL)
Date Analyzed: 08/18/2022 21:14

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287573
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.30	0.10
90-12-0	1-Methylnaphthalene	ND		0.050	0.020
91-57-6	2-Methylnaphthalene	ND		0.050	0.020
83-32-9	Acenaphthene	ND		0.050	0.010
208-96-8	Acenaphthylene	ND		0.050	0.010
120-12-7	Anthracene	ND		0.050	0.010
56-55-3	Benzo[a]anthracene	ND		0.050	0.010
50-32-8	Benzo[a]pyrene	ND		0.050	0.010
205-99-2	Benzo[b]fluoranthene	ND		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	ND		0.050	0.010
207-08-9	Benzo[k]fluoranthene	ND		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	ND		0.050	0.020
85-68-7	Butylbenzylphthalate	ND		1.0	0.050
218-01-9	Chrysene	ND		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	ND		0.050	0.020
132-64-9	Dibenzofuran	ND		0.050	0.010
84-66-2	Diethylphthalate	ND		1.0	0.050
131-11-3	Dimethylphthalate	ND		1.0	0.050
117-84-0	Di-n-octyl phthalate	ND		1.0	0.050
206-44-0	Fluoranthene	ND		0.050	0.010
86-73-7	Fluorene	ND		0.050	0.010
118-74-1	Hexachlorobenzene	ND		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.050	0.020
91-20-3	Naphthalene	ND		0.070	0.030
62-75-9	N-Nitrosodimethylamine	ND		0.050	0.020
85-01-8	Phenanthrene	ND		0.070	0.030
129-00-0	Pyrene	ND		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-287248/1-A

Matrix: Water Lab File ID: MH1405.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 250(mL) Date Analyzed: 08/18/2022 21:14

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287573 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	60		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	72		10-110
93951-69-0	Fluoranthene-d10 (Surr)	72		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1405.D
Lims ID: MB 410-287248/1-A
Client ID:
Sample Type: MB
Inject. Date: 18-Aug-2022 21:14:56 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-287248/1-A
Misc. Info.: 410-0064495-006
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 04:32:18 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 03:39:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.832	1.811	0.021	38	996		0.004659	7M
* 4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	70	76011	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.729	5.729	0.000	36	268241	0.2500	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.455	6.455	0.000	79	92528	0.2500	0.1509	
* 13 Acenaphthene-d10	164	7.381	7.381	0.000	81	139208	0.2500	0.2500	
* 20 Phenanthrene-d10	188	8.791	8.799	-0.008	95	235677	0.2500	0.2500	
23 Di-n-butyl phthalate	149	9.358	9.356	-0.006	100	3434035		3.97	
$ 24 Fluoranthene-d10 (Surr)	212	9.928	9.926	-0.007	98	177967	0.2500	0.1792	
* 29 Chrysene-d12	240	11.465	11.466	-0.001	55	196278	0.2500	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.519	11.527	-0.008	100	67383		0.2047	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.298	13.299	-0.008	99	127022	0.2500	0.1809	
* 38 Perylene-d12	264	13.414	13.421	-0.007	99	189973	0.2500	0.2500	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

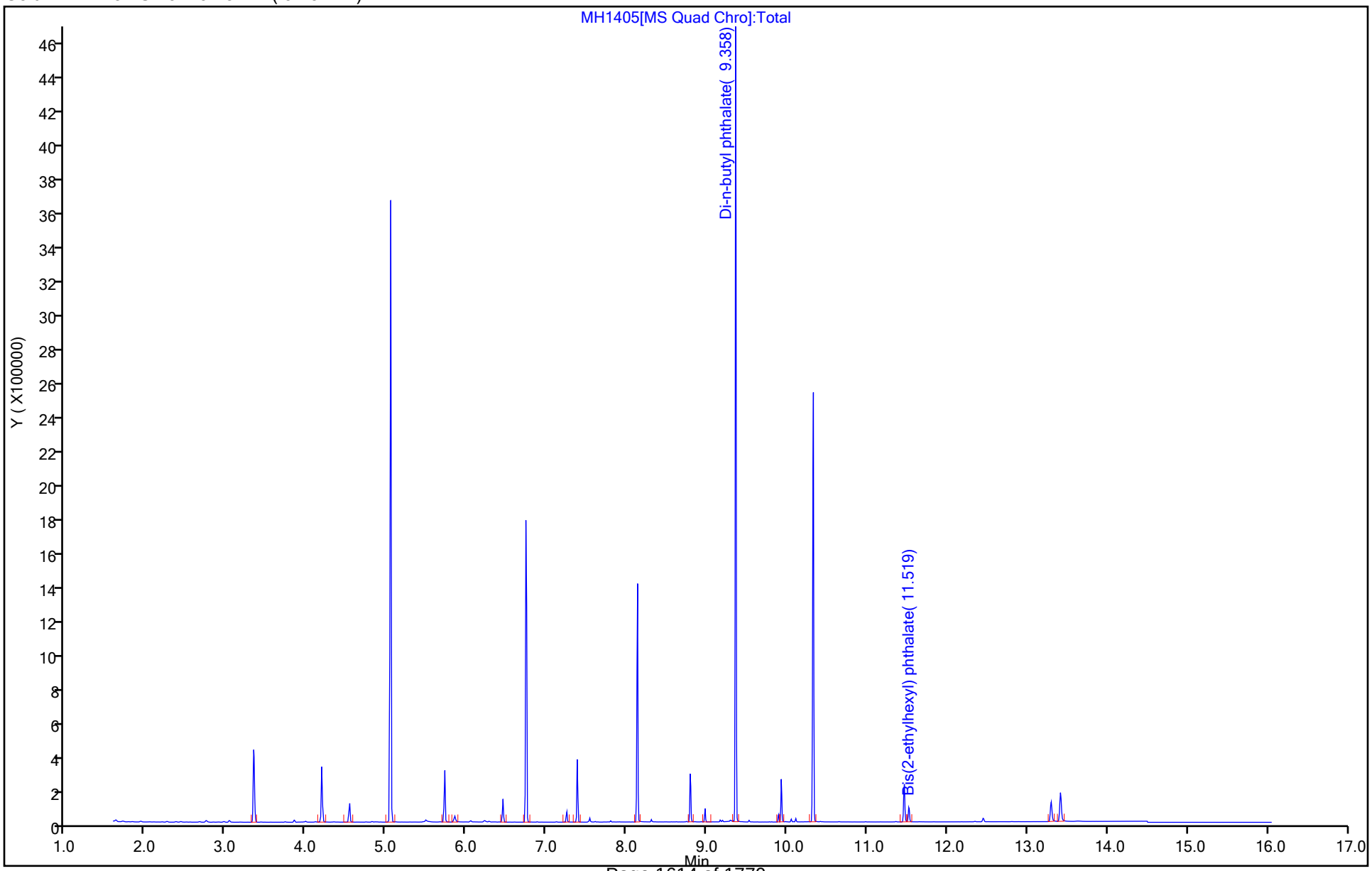
Report Date: 19-Aug-2022 06:43:34 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1405.D

Injection Date:	18-Aug-2022 21:14:56	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	MB 410-287248/1-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1405.D				
Lims ID:	MB 410-287248/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	18-Aug-2022 21:14:56	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 410-287248/1-A				
Misc. Info.:	410-0064495-006				
Operator ID:	kel10217	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	19-Aug-2022 04:32:18	Calib Date:	28-Jul-2022 21:32:00		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1625				

First Level Reviewer: UJM0 Date: 19-Aug-2022 03:39:40

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1509	60.38
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1792	71.69
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1809	72.35

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

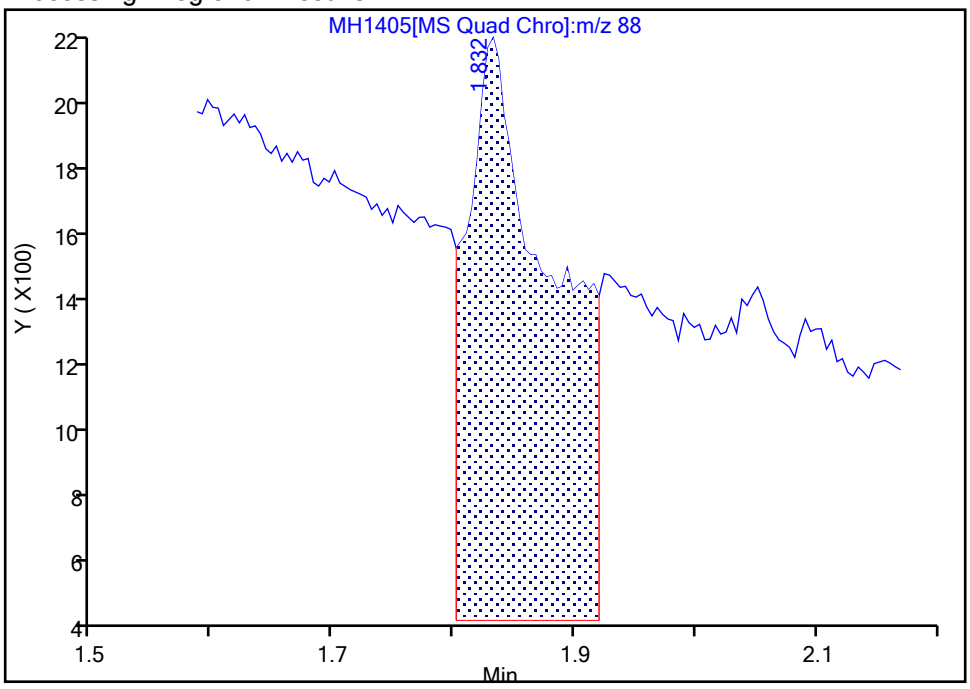
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1405.D				
Injection Date:	18-Aug-2022 21:14:56	Instrument ID:	HP21585		
Lims ID:	MB 410-287248/1-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

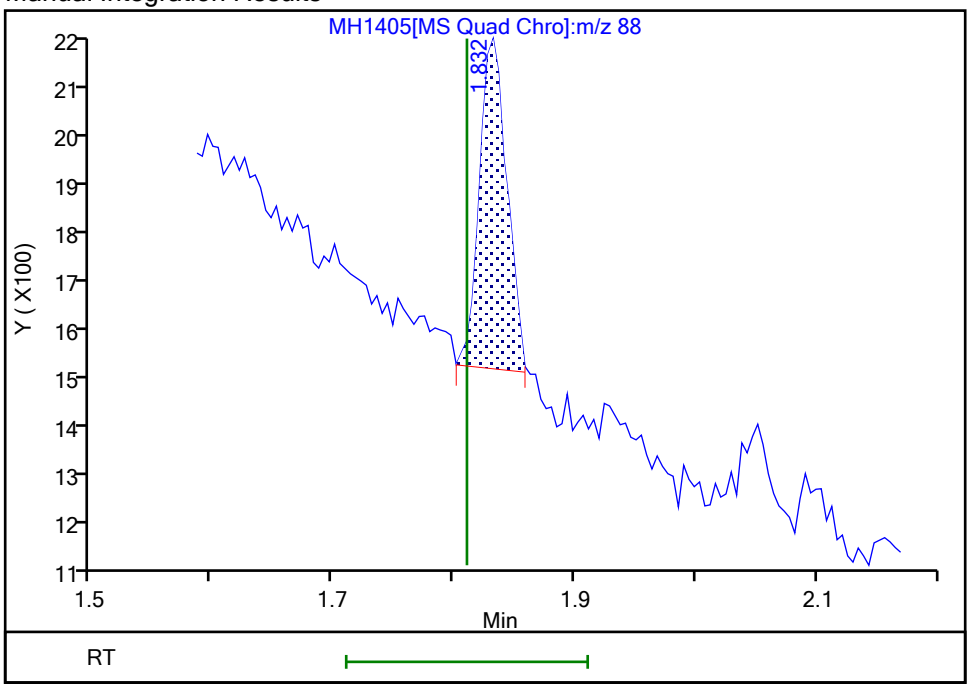
Processing Integration Results

RT: 1.83
Area: 8503
Amount: 0.039776
Amount Units: ug/ml



Manual Integration Results

RT: 1.83
Area: 996
Amount: 0.004659
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 03:38:58
Audit Action: Manually Integrated Audit Reason: Baseline

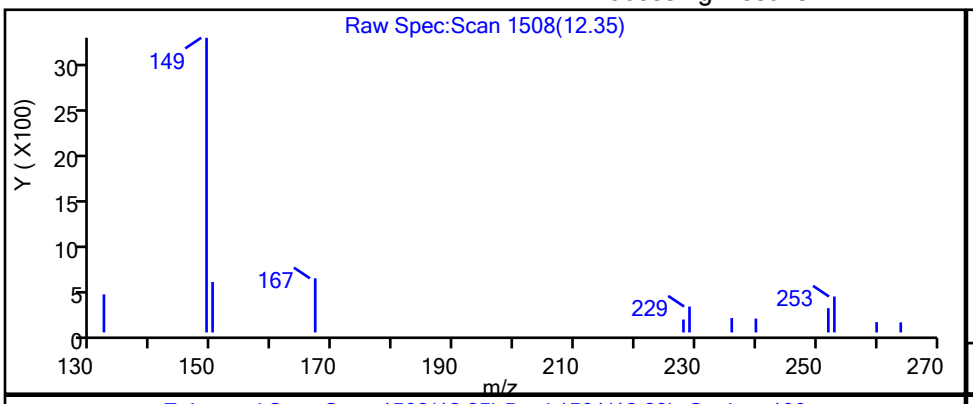
User Disabled Compound Report

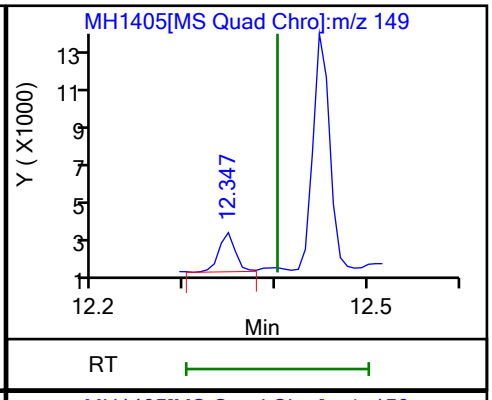
Eurofins Lancaster Laboratories Environment Testing, LLC

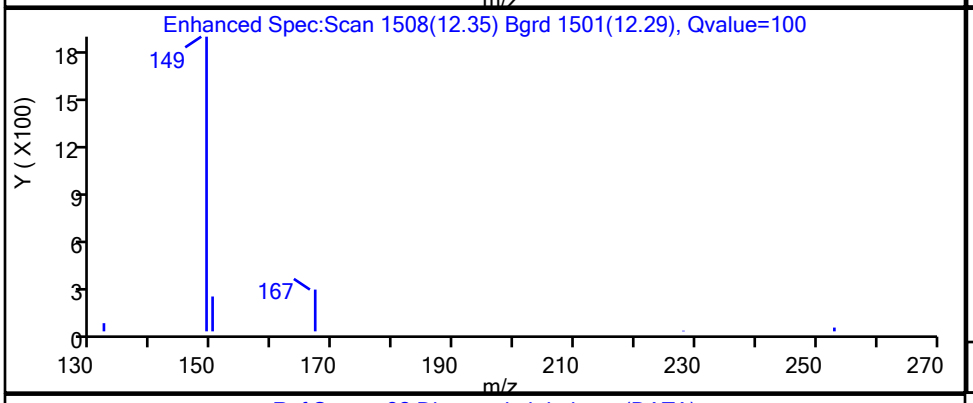
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1405.D				
Injection Date:	18-Aug-2022 21:14:56	Instrument ID:	HP21585		
Lims ID:	MB 410-287248/1-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

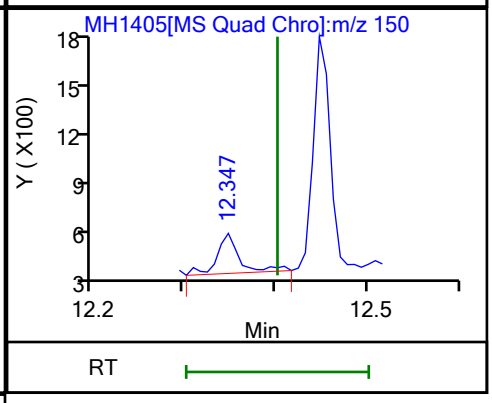
32 Di-n-octyl phthalate, CAS: 117-84-0

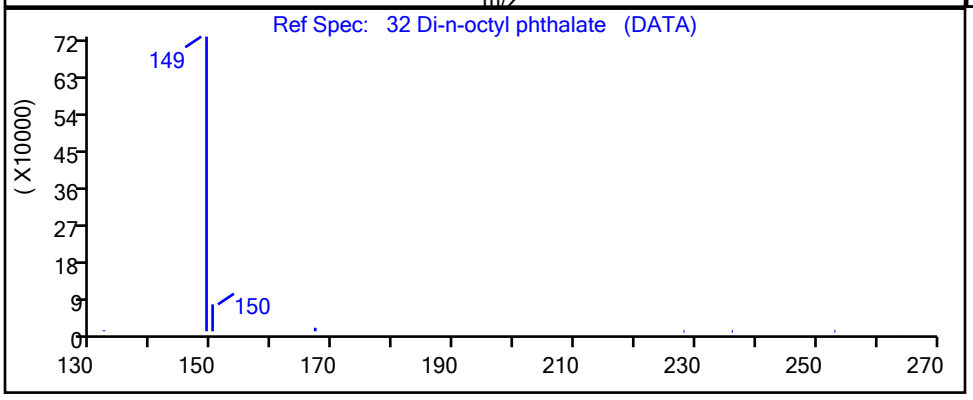
Processing Results











RT	Mass	Response	Amount
12.35	149.00	2459	0.044946
12.35	150.00	408	

Reviewer: UJM0, 19-Aug-2022 03:43:26

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-287248/1-A

Matrix: Water
Lab File ID: NH1302.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 250(mL)
Date Analyzed: 08/19/2022 05:14

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287637
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.614	J	1.0	0.050
84-74-2	Di-n-butyl phthalate	12.4		1.0	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	63		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	75		10-110
93951-69-0	Fluoranthene-d10 (Surr)	65		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1302.D
Lims ID: MB 410-287248/1-A
Client ID:
Sample Type: MB
Inject. Date: 19-Aug-2022 05:14:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-287248/1-A
Misc. Info.: 410-0064507-003
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 05:42:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.355	4.367	-0.012	82	67938	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.579	5.579	0.000	100	218911	0.2500	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.314	6.314	0.000	100	75018	0.2500	0.1572	
* 13 Acenaphthene-d10	164	7.246	7.246	0.000	96	103444	0.2500	0.2500	
16 Diethyl phthalate	149	7.672	7.672	0.008	95	3800		0.008083	
* 20 Phenanthrene-d10	188	8.653	8.653	0.000	100	178994	0.2500	0.2500	
23 Di-n-butyl phthalate	149	9.227	9.227	0.000	100	2050411		3.09	
$ 24 Fluoranthene-d10 (Surr)	212	9.785	9.785	0.000	98	118050	0.2500	0.1629	
* 29 Chrysene-d12	240	11.265	11.257	0.008	82	124704	0.2500	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.326	11.334	0.000	98	51402		0.1534	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.021	13.021	0.000	100	84740	0.2500	0.1863	
* 38 Perylene-d12	264	13.136	13.136	0.000	98	120374	0.2500	0.2500	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

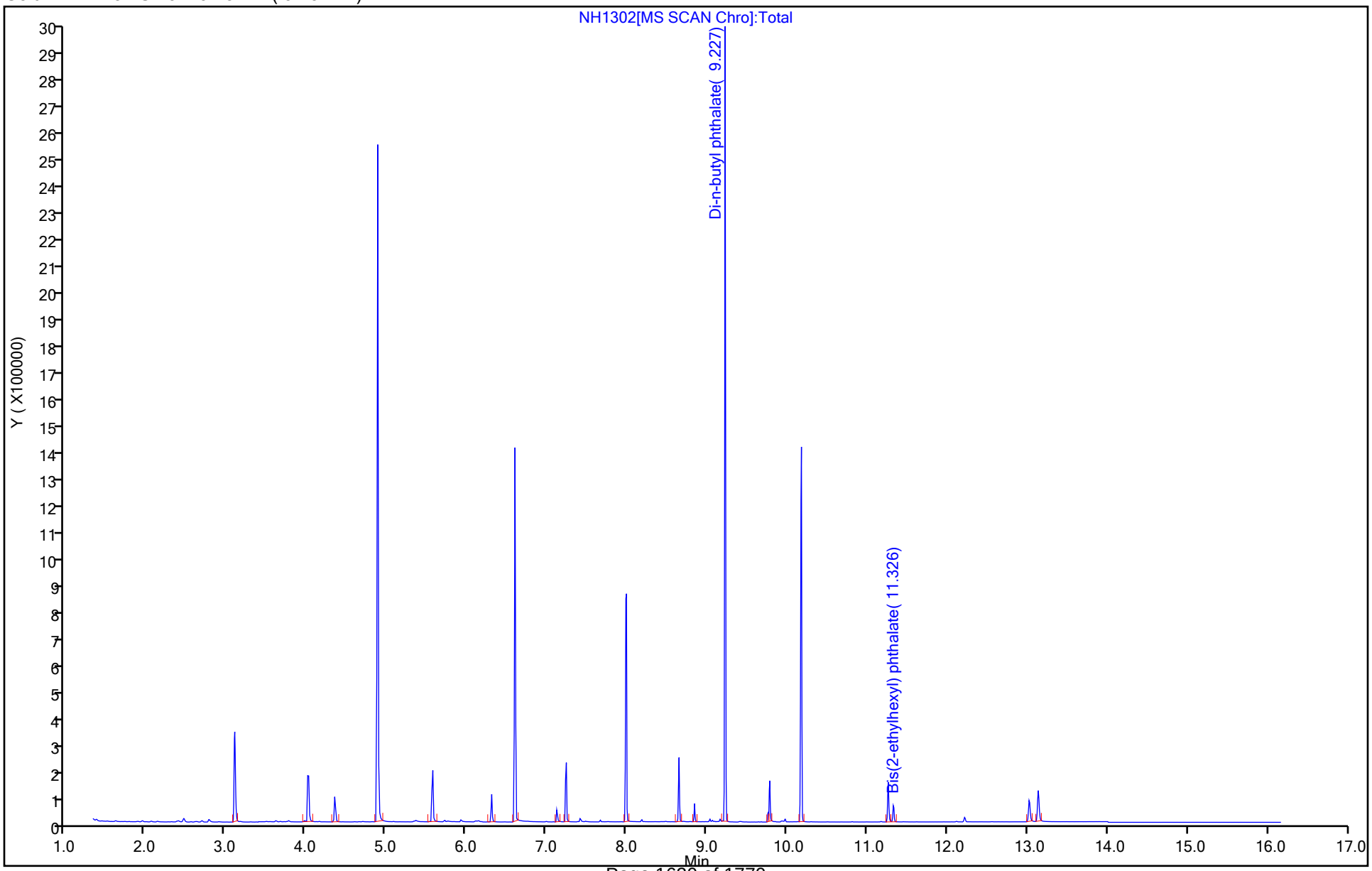
Report Date: 19-Aug-2022 08:31:00 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1302.D

Injection Date:	19-Aug-2022 05:14:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	MB 410-287248/1-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1302.D				
Lims ID:	MB 410-287248/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	19-Aug-2022 05:14:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 410-287248/1-A				
Misc. Info.:	410-0064507-003				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	19-Aug-2022 08:30:43	Calib Date:	29-Apr-2022 17:03:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1625				

First Level Reviewer: UJM0 Date: 19-Aug-2022 05:42:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1572	62.88
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1629	65.15
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1863	74.53

Report Date: 19-Aug-2022 08:31:00 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1302.D

Injection Date: 19-Aug-2022 05:14:30 Instrument ID: HP23263

Lims ID: MB 410-287248/1-A

Client ID:

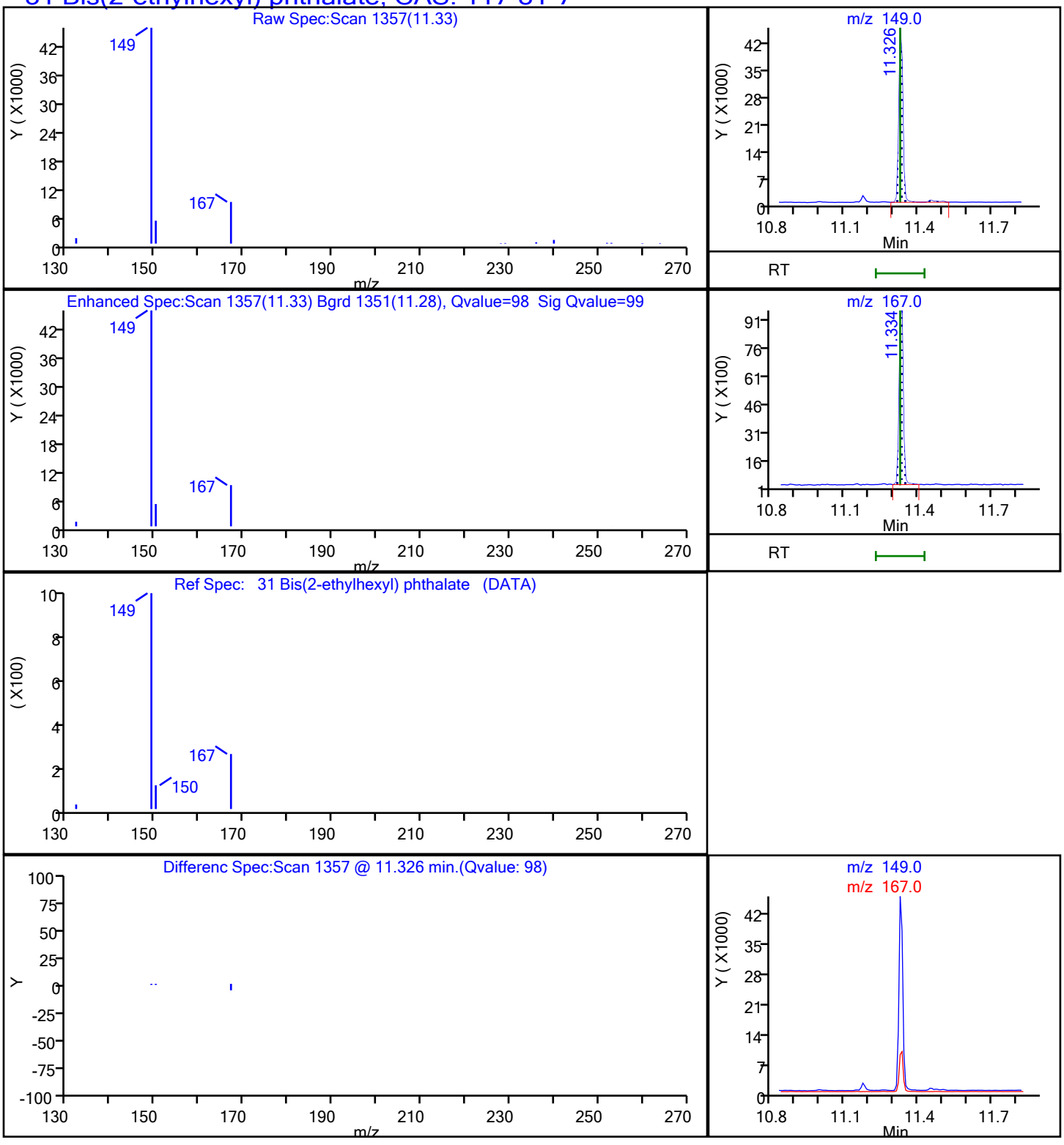
Operator ID: jmg00346 ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



Report Date: 19-Aug-2022 08:31:00 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1302.D

Injection Date: 19-Aug-2022 05:14:30 Instrument ID: HP23263

Lims ID: MB 410-287248/1-A

Client ID:

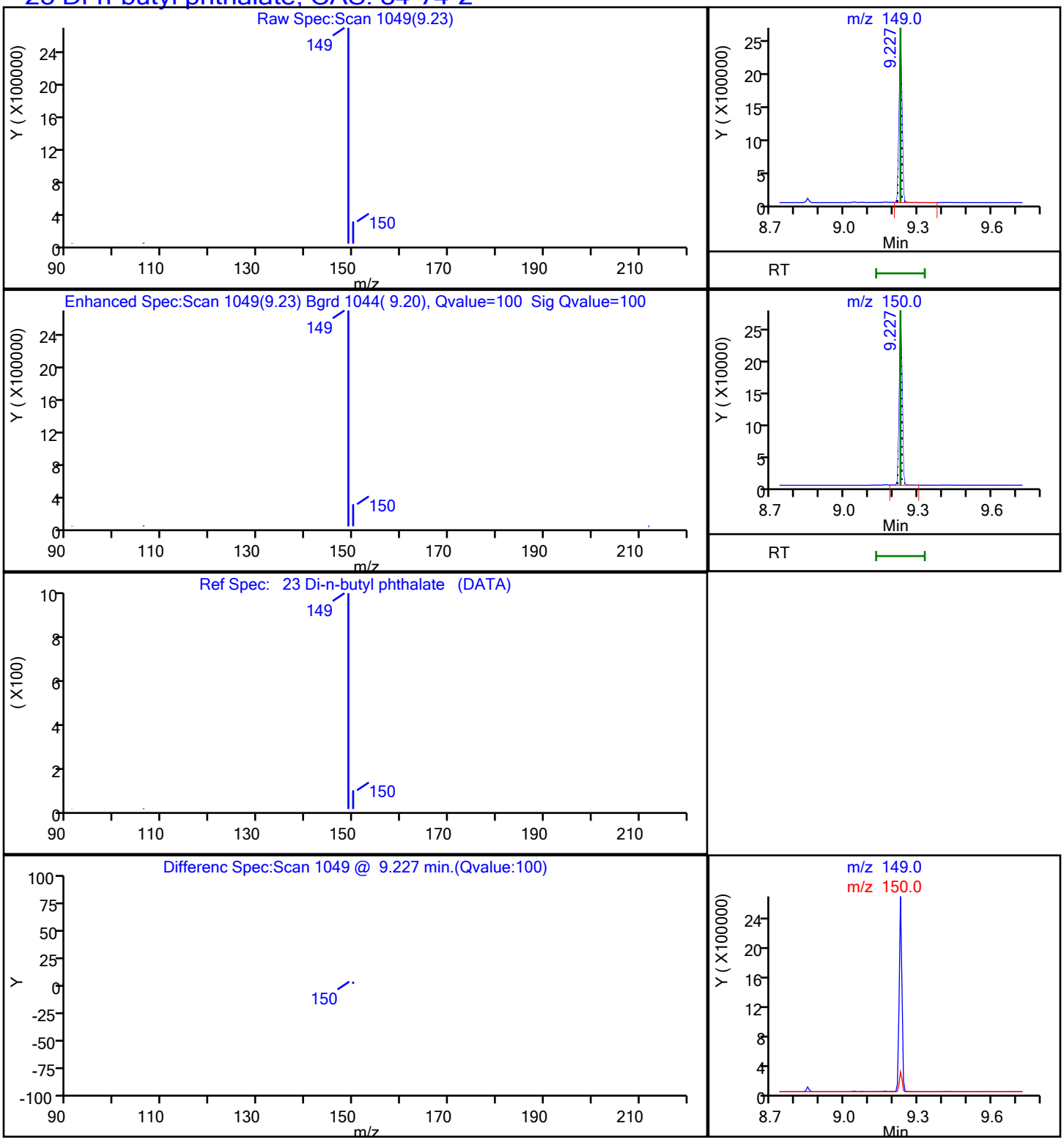
Operator ID: jmg00346 ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

23 Di-n-butyl phthalate, CAS: 84-74-2



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-288127/1-A

Matrix: Water
Lab File ID: MH1502.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/21/2022 10:35

Sample wt/vol: 250(mL)
Date Analyzed: 08/22/2022 07:40

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 288195
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	*1,4-Dioxane*	*0.113*	*J*	*0.30*	*0.10*
90-12-0	*1-Methylnaphthalene*	*ND*		*0.050*	*0.020*
91-57-6	*2-Methylnaphthalene*	*ND*		*0.050*	*0.020*
83-32-9	*Acenaphthene*	*ND*		*0.050*	*0.010*
208-96-8	*Acenaphthylene*	*ND*		*0.050*	*0.010*
120-12-7	*Anthracene*	*ND*		*0.050*	*0.010*
56-55-3	*Benzo[a]anthracene*	*ND*		*0.050*	*0.010*
50-32-8	*Benzo[a]pyrene*	*ND*		*0.050*	*0.010*
205-99-2	*Benzo[b]fluoranthene*	*ND*		*0.050*	*0.010*
191-24-2	*Benzo[g,h,i]perylene*	*ND*		*0.050*	*0.010*
207-08-9	*Benzo[k]fluoranthene*	*ND*		*0.050*	*0.010*
111-44-4	*Bis(2-chloroethyl)ether*	*ND*		*0.050*	*0.020*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*1.31*		*1.0*	*0.050*
85-68-7	*Butylbenzylphthalate*	*0.157*	*J*	*1.0*	*0.050*
218-01-9	*Chrysene*	*ND*		*0.050*	*0.010*
53-70-3	*Dibenz(a,h)anthracene*	*ND*		*0.050*	*0.020*
132-64-9	*Dibenzofuran*	*ND*		*0.050*	*0.010*
84-66-2	*Diethylphthalate*	*0.798*	*J*	*1.0*	*0.050*
131-11-3	*Dimethylphthalate*	*ND*		*1.0*	*0.050*
84-74-2	*Di-n-butyl phthalate*	*0.0624*	*J*	*1.0*	*0.050*
117-84-0	*Di-n-octyl phthalate*	*ND*		*1.0*	*0.050*
206-44-0	*Fluoranthene*	*ND*		*0.050*	*0.010*
86-73-7	*Fluorene*	*ND*		*0.050*	*0.010*
118-74-1	*Hexachlorobenzene*	*ND*		*0.050*	*0.020*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*ND*		*0.050*	*0.020*
91-20-3	*Naphthalene*	*ND*		*0.070*	*0.030*
62-75-9	*N-Nitrosodimethylamine*	*ND*		*0.050*	*0.020*
85-01-8	*Phenanthrene*	*ND*		*0.070*	*0.030*
129-00-0	*Pyrene*	*ND*		*0.050*	*0.010*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-288127/1-A

Matrix: Water Lab File ID: MH1502.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 08/21/2022 10:35

Sample wt/vol: 250(mL) Date Analyzed: 08/22/2022 07:40

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 288195 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	74		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	87		10-110
93951-69-0	Fluoranthene-d10 (Surr)	84		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D
Lims ID: MB 410-288127/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Aug-2022 07:40:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-288127/1-A
Misc. Info.: 410-0064632-003
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 15:33:30

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.837	1.819	0.044	85	5267		0.0283	M
*	4 1,4-Dichlorobenzene-d4	152	4.530	4.530	0.000	83	66232	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.717	5.717	0.000	91	231548	0.2500	0.2500	
$	9 1-Methylnaphthalene-d10	152	6.444	6.444	0.000	99	97490	0.2500	0.1842	
*	13 Acenaphthene-d10	164	7.380	7.380	0.000	86	114010	0.2500	0.2500	
	16 Diethyl phthalate	149	7.783	7.791	-0.008	99	108342		0.1995	M
*	20 Phenanthrene-d10	188	8.790	8.790	0.000	96	196585	0.2500	0.2500	
	23 Di-n-butyl phthalate	149	9.350	9.357	-0.006	100	11269		0.0156	
$	24 Fluoranthene-d10 (Surr)	212	9.927	9.927	0.000	99	174936	0.2500	0.2112	
	27 Butyl benzyl phthalate	149	10.835	10.835	0.000	100	601		0.0392	M
	28 Benzo[a]anthracene	228	11.456	11.449	0.015	5	602		0.000718	7M
*	29 Chrysene-d12	240	11.456	11.456	0.000	55	159981	0.2500	0.2500	
	30 Chrysene	228	11.487	11.487	0.000	97	182		0.000194	7M
	31 Bis(2-ethylhexyl) phthalate	149	11.518	11.518	0.000	100	95560		0.3273	
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.289	13.312	0.000	100	135354	0.2500	0.2170	
*	38 Perylene-d12	264	13.412	13.405	0.008	100	168718	0.2500	0.2500	
	40 Indeno[1,2,3-cd]pyrene	276	15.039	15.067	0.007	96	187		0.000263	7M

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

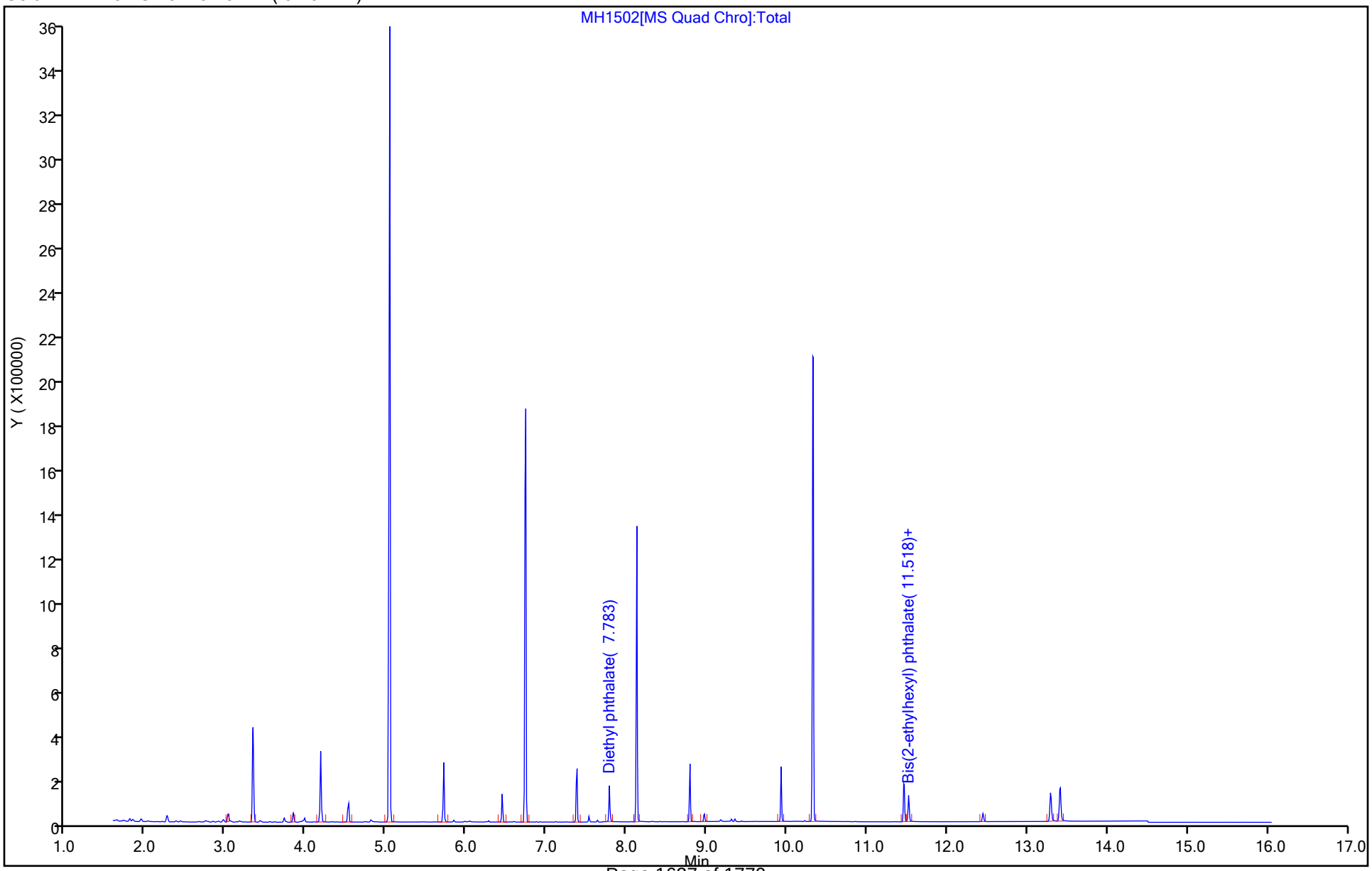
Report Date: 22-Aug-2022 19:18:41 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D

Injection Date:	22-Aug-2022 07:40:00	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	MB 410-288127/1-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D
Lims ID: MB 410-288127/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Aug-2022 07:40:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-288127/1-A
Misc. Info.: 410-0064632-003
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 15:33:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1842	73.70
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2112	84.49
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2170	86.80

Report Date: 22-Aug-2022 19:18:41 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D

Injection Date: 22-Aug-2022 07:40:00 Instrument ID: HP21585

Lims ID: MB 410-288127/1-A

Client ID:

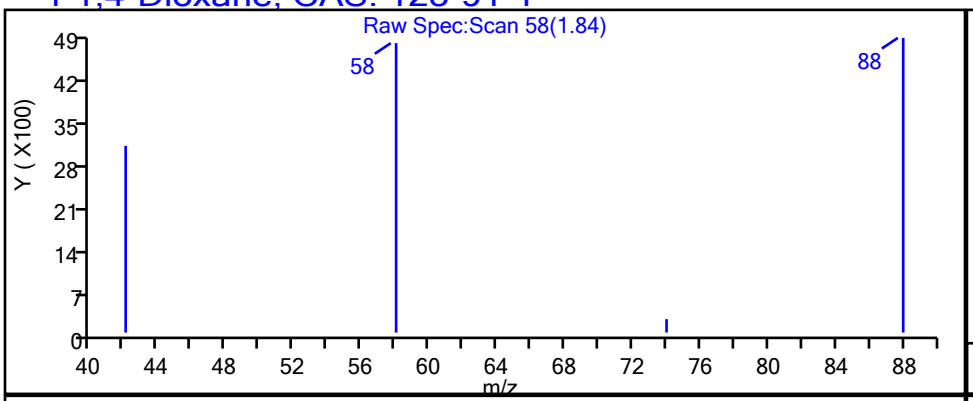
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 3

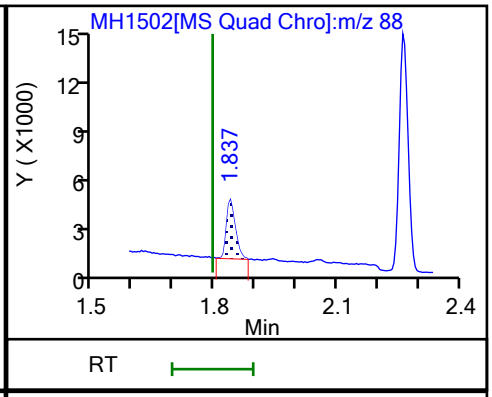
Injection Vol: 1.0 ul Dil. Factor: 1.0000

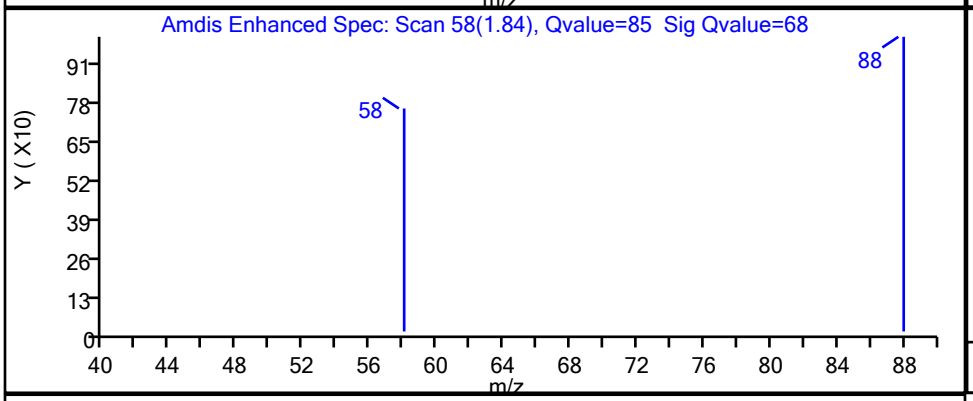
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

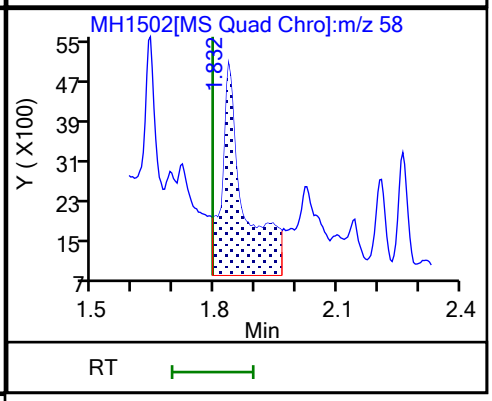
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

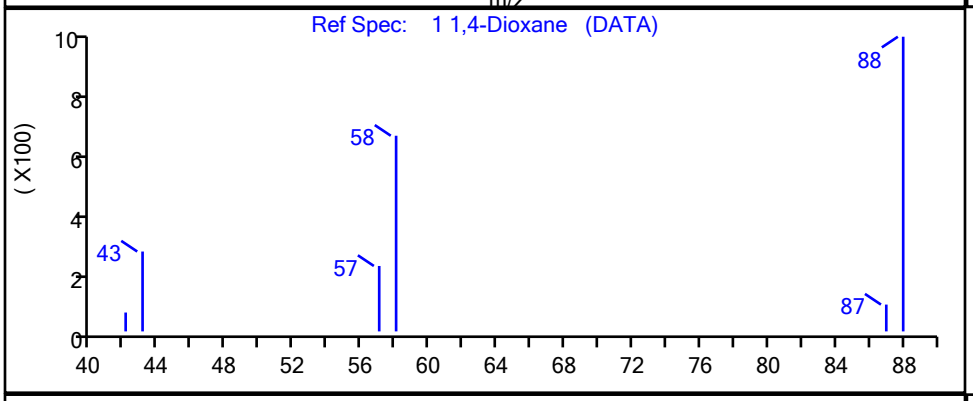
1 1,4-Dioxane, CAS: 123-91-1

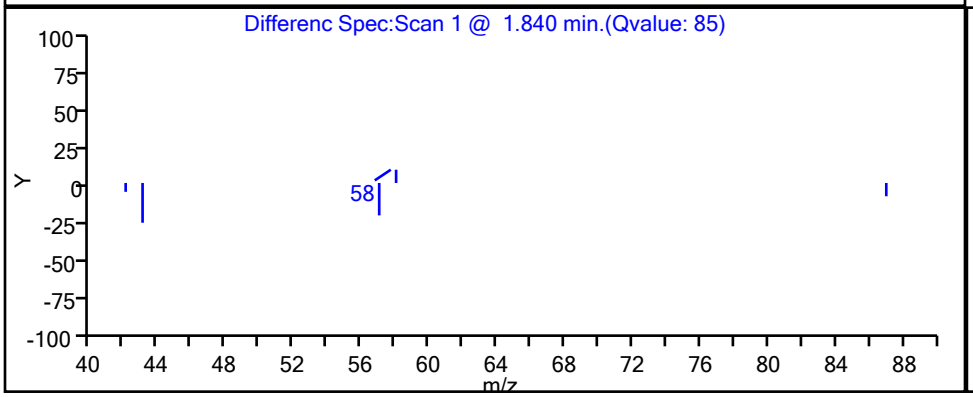


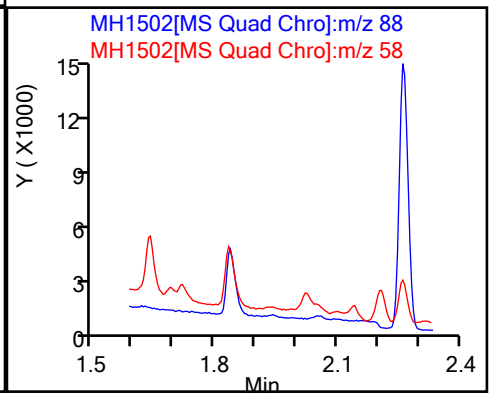












Report Date: 22-Aug-2022 19:18:41 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D

Injection Date: 22-Aug-2022 07:40:00 Instrument ID: HP21585

Lims ID: MB 410-288127/1-A

Client ID:

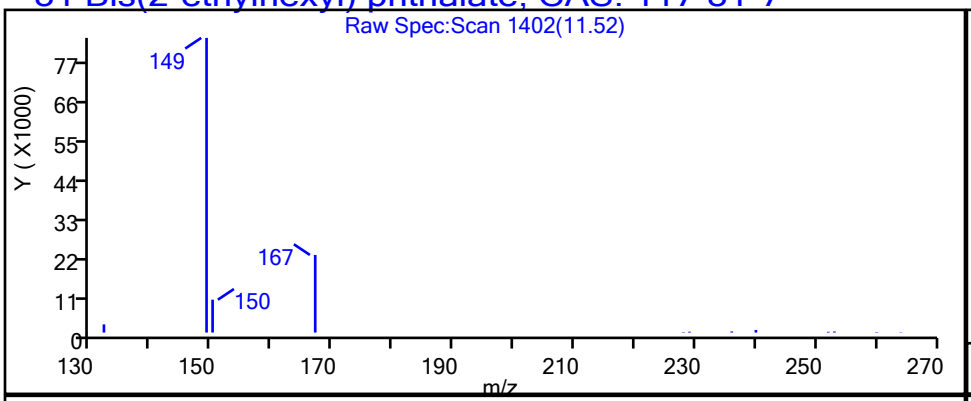
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 3

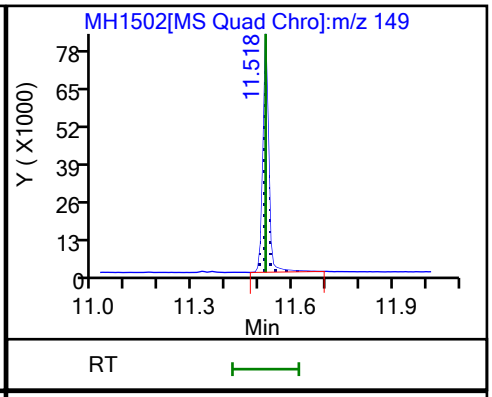
Injection Vol: 1.0 ul Dil. Factor: 1.0000

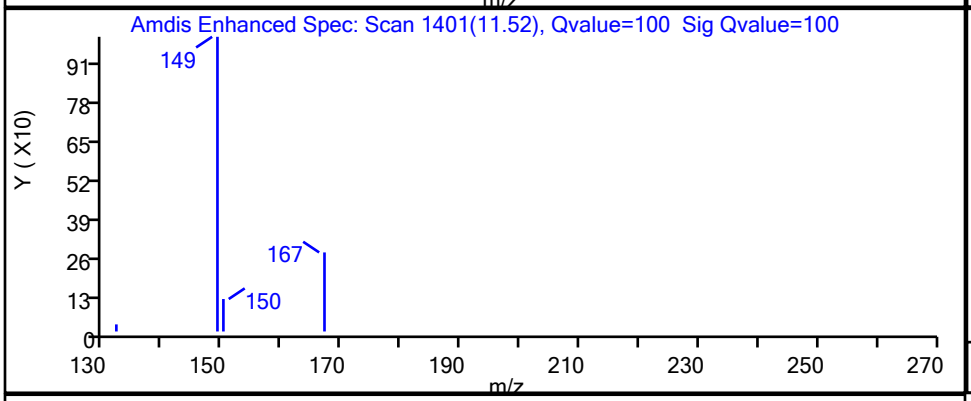
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

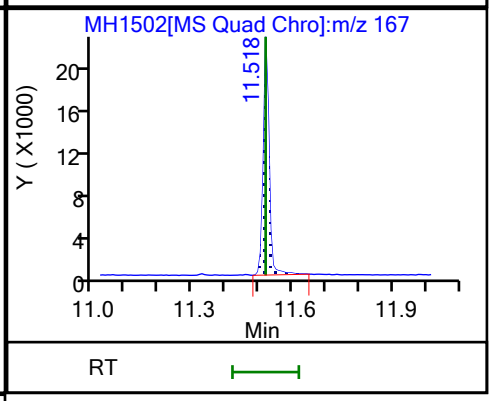
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

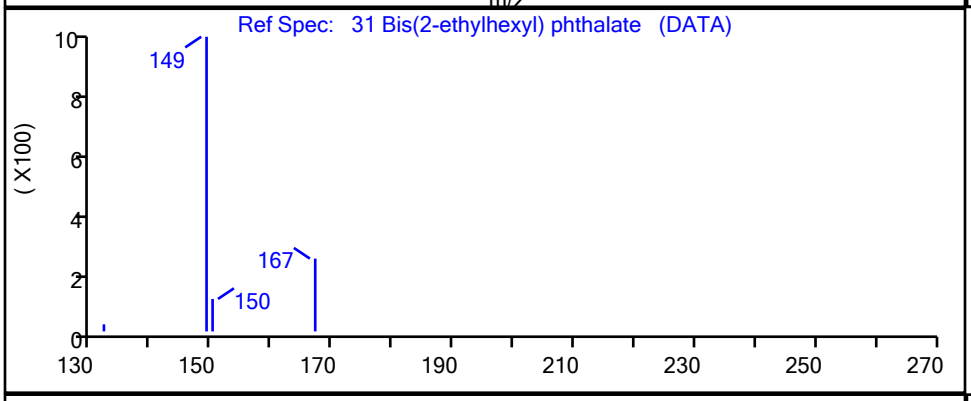
31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

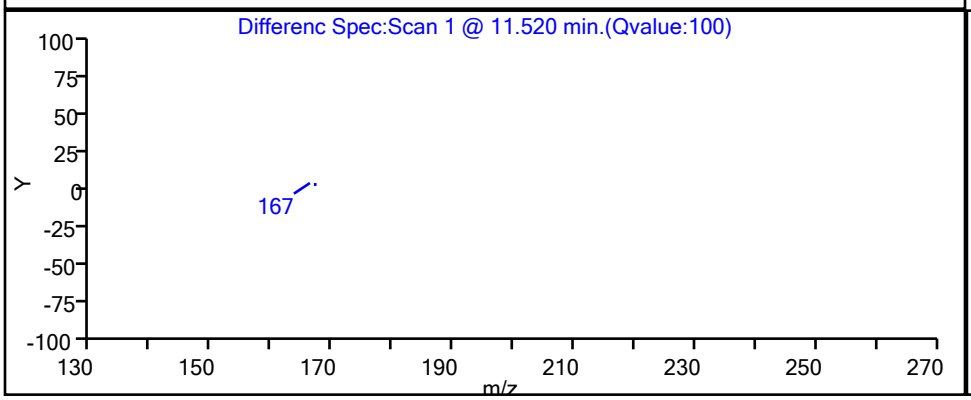


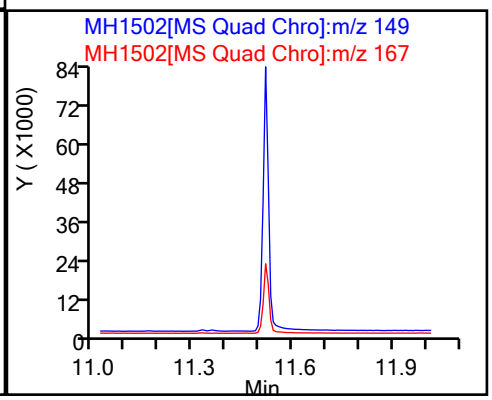












Report Date: 22-Aug-2022 19:18:41 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D

Injection Date: 22-Aug-2022 07:40:00 Instrument ID: HP21585

Lims ID: MB 410-288127/1-A

Client ID:

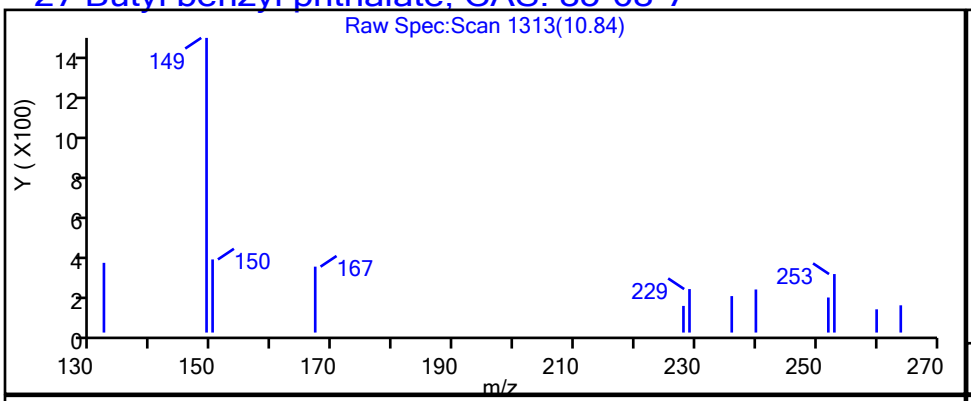
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 3

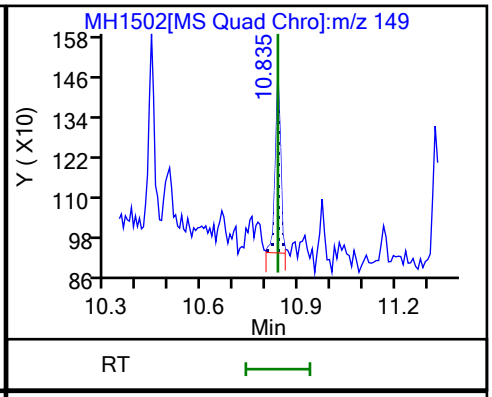
Injection Vol: 1.0 ul Dil. Factor: 1.0000

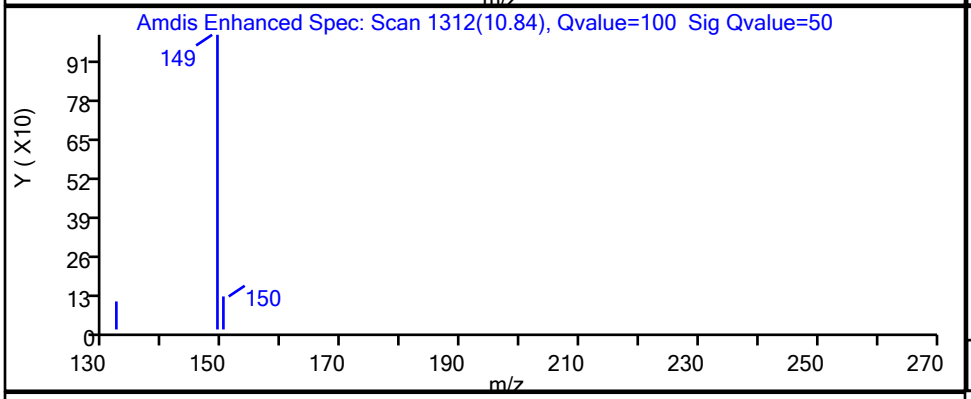
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

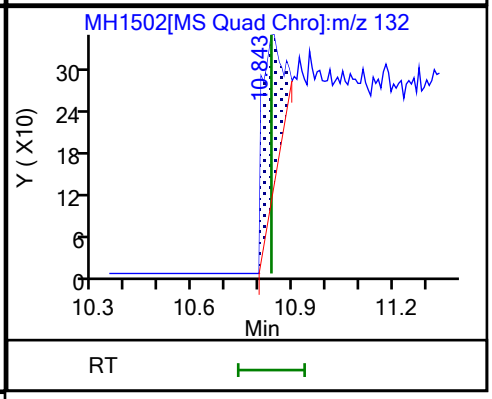
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

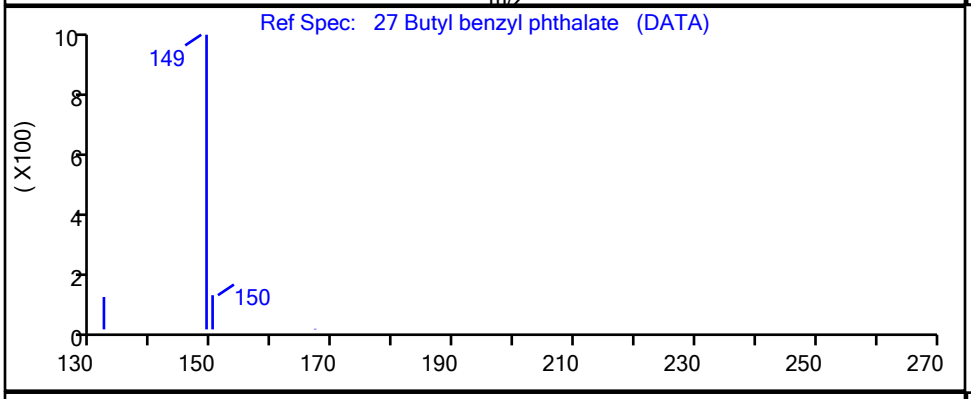
27 Butyl benzyl phthalate, CAS: 85-68-7

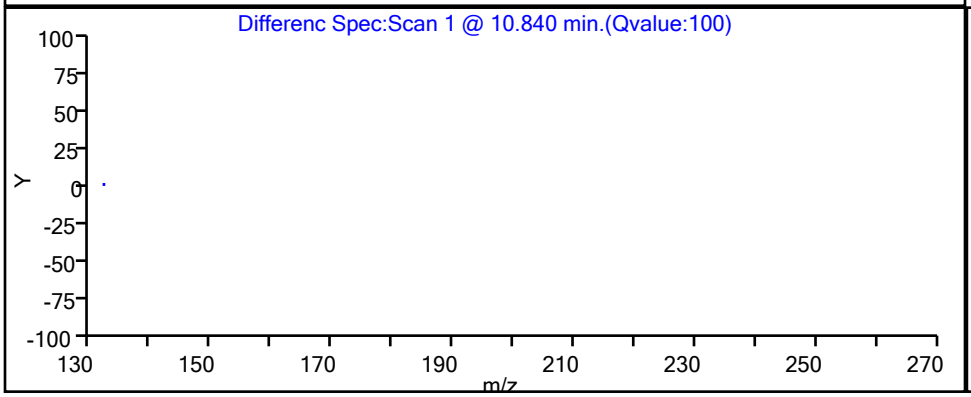


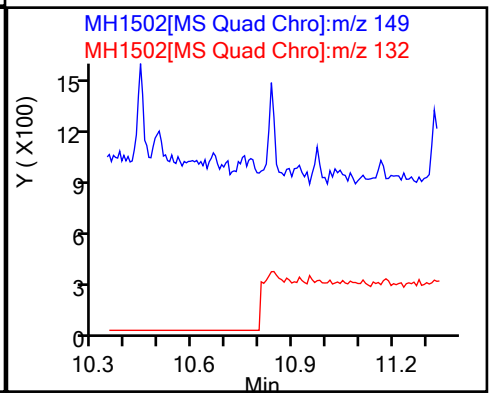












Report Date: 22-Aug-2022 19:18:41 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D

Injection Date: 22-Aug-2022 07:40:00 Instrument ID: HP21585

Lims ID: MB 410-288127/1-A

Client ID:

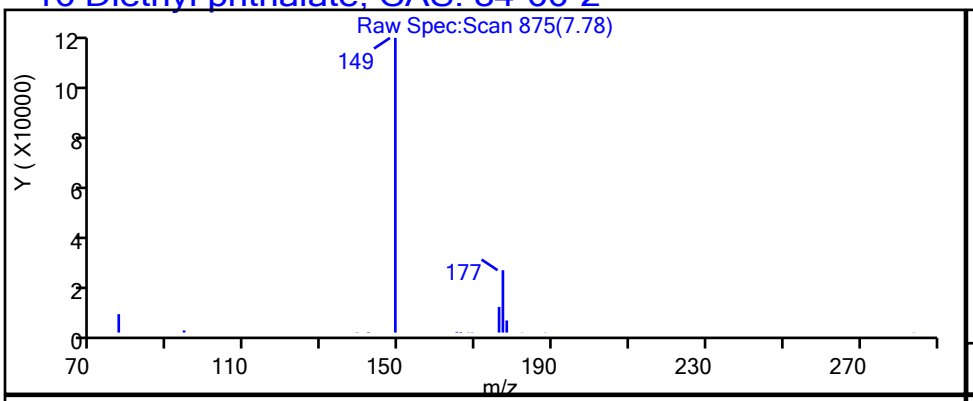
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 3

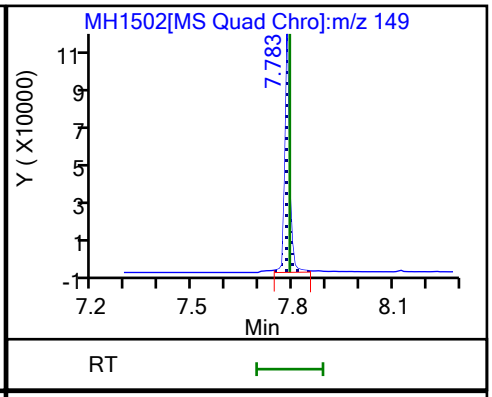
Injection Vol: 1.0 ul Dil. Factor: 1.0000

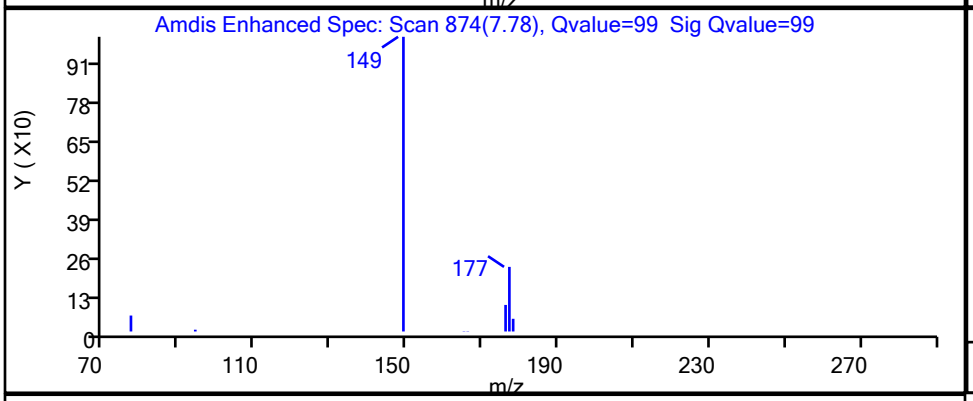
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

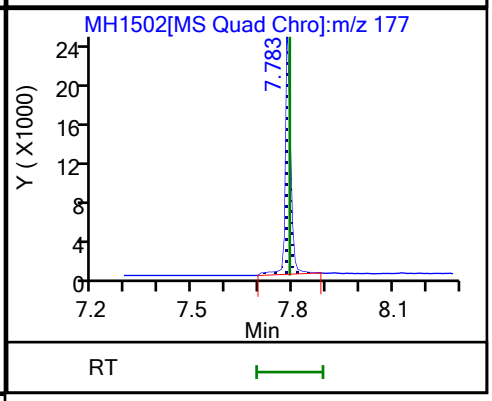
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

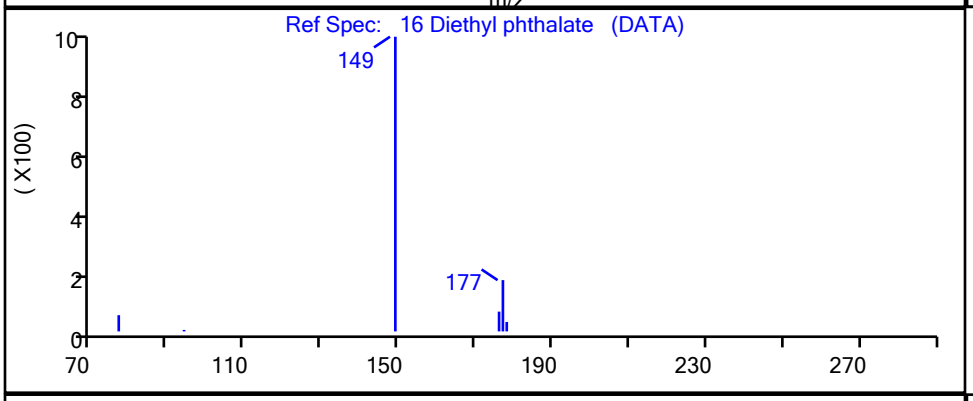
16 Diethyl phthalate, CAS: 84-66-2

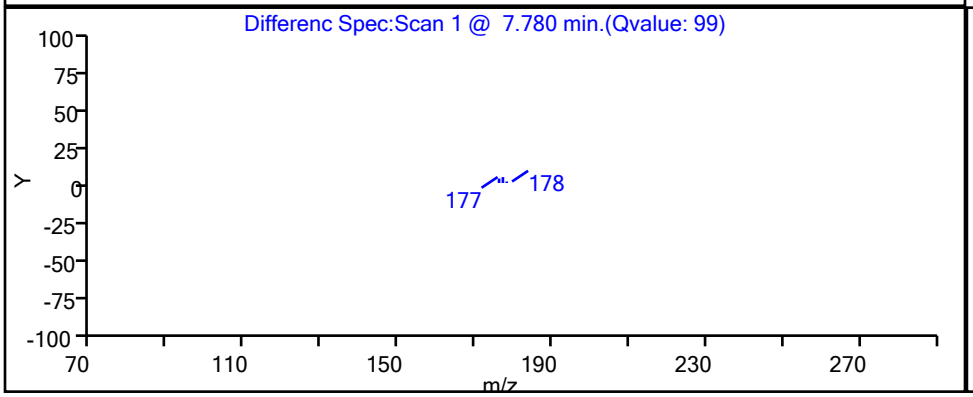


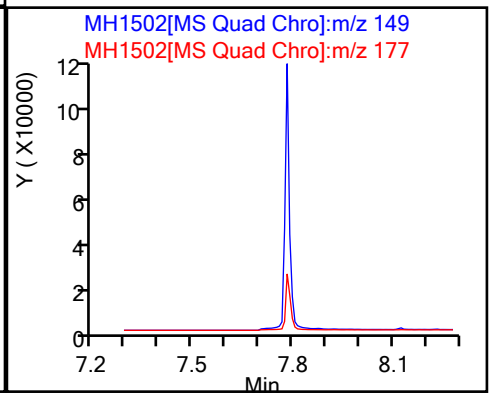












Report Date: 22-Aug-2022 19:18:41 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D

Injection Date: 22-Aug-2022 07:40:00 Instrument ID: HP21585

Lims ID: MB 410-288127/1-A

Client ID:

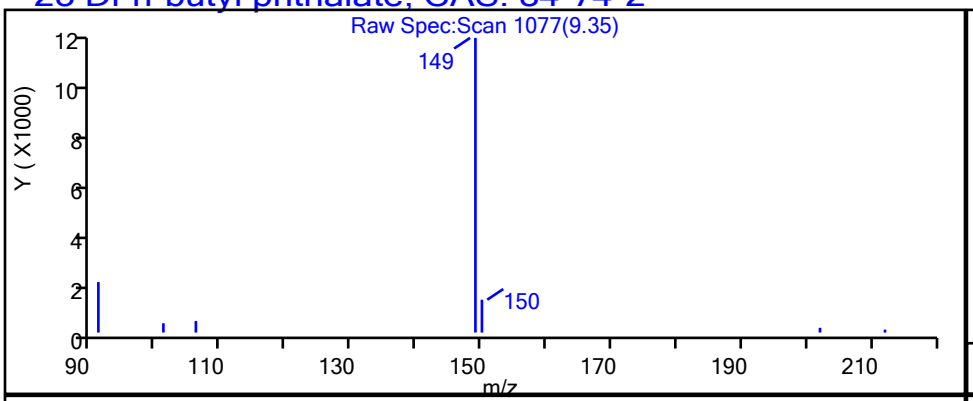
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 3

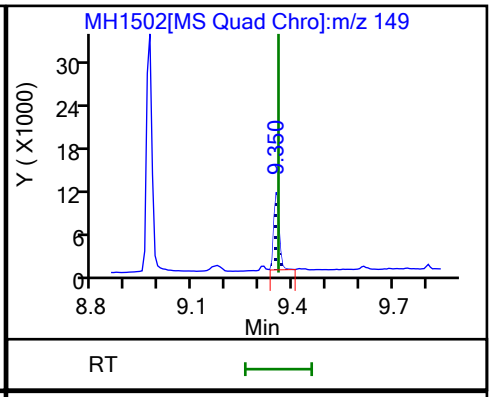
Injection Vol: 1.0 ul Dil. Factor: 1.0000

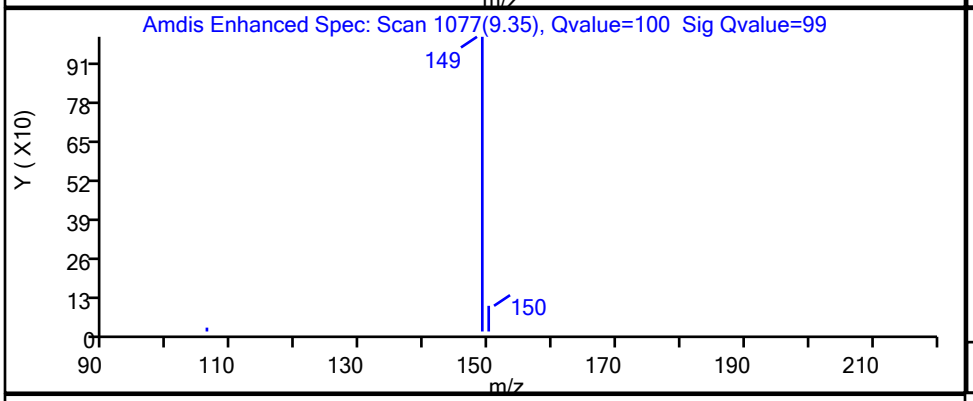
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

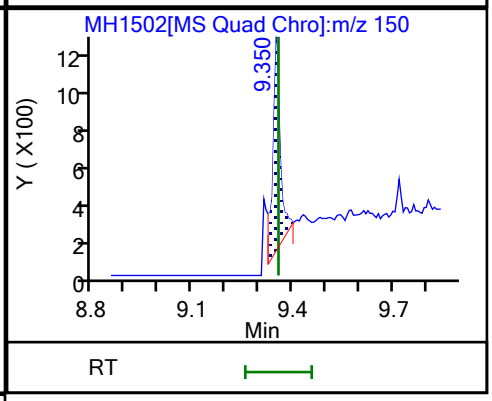
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

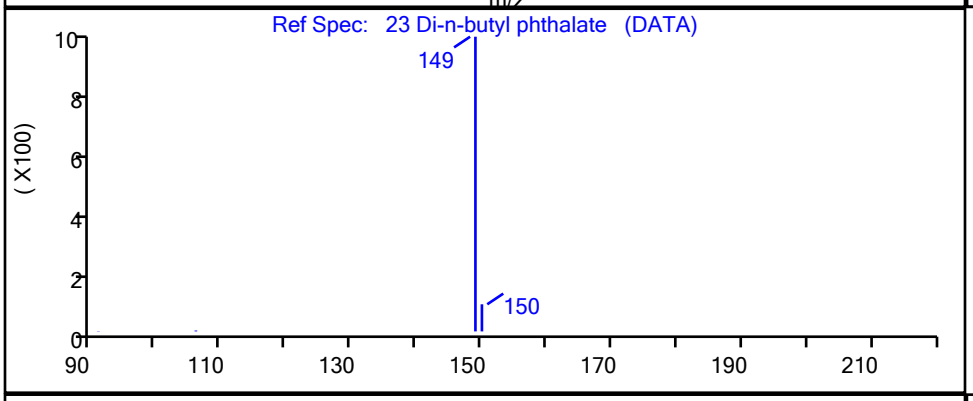
23 Di-n-butyl phthalate, CAS: 84-74-2

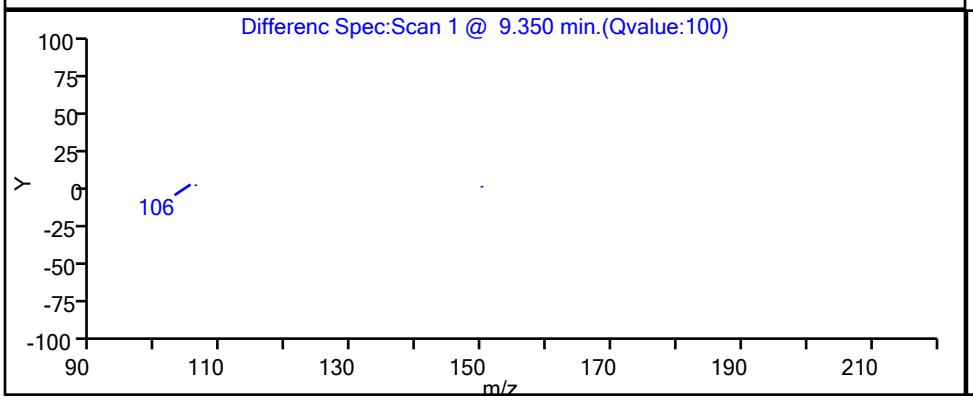


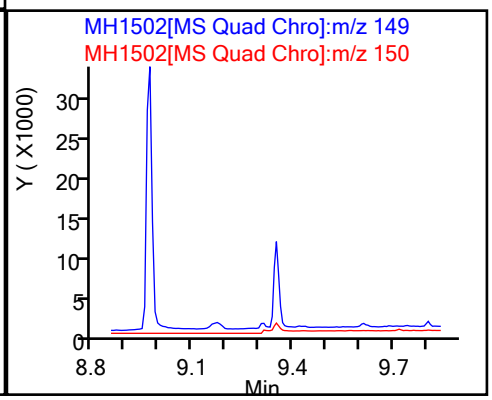












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

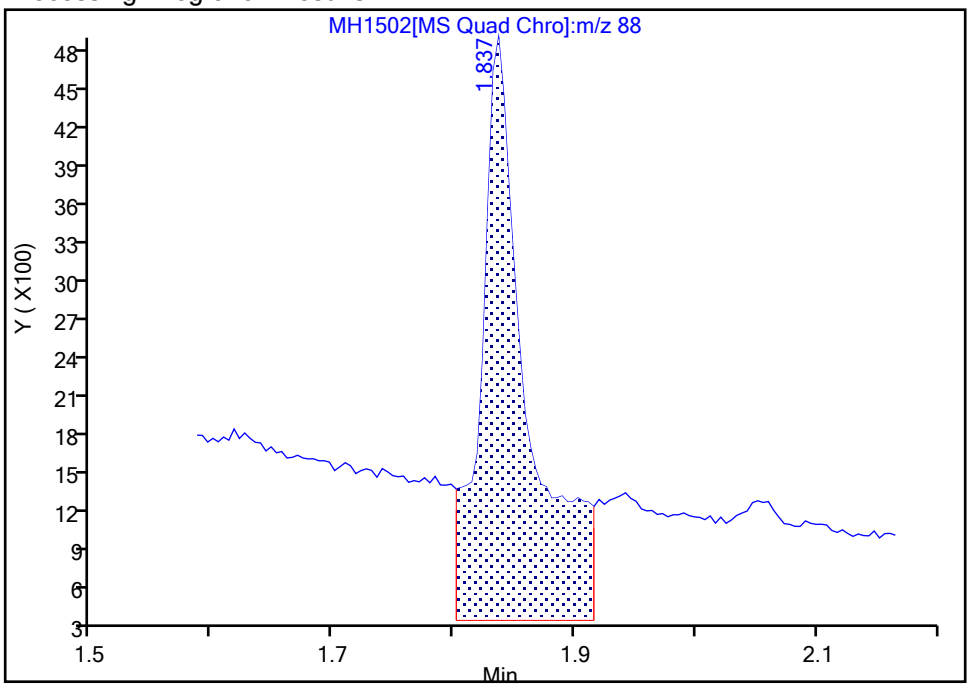
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D
Injection Date: 22-Aug-2022 07:40:00 Instrument ID: HP21585
Lims ID: MB 410-288127/1-A
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

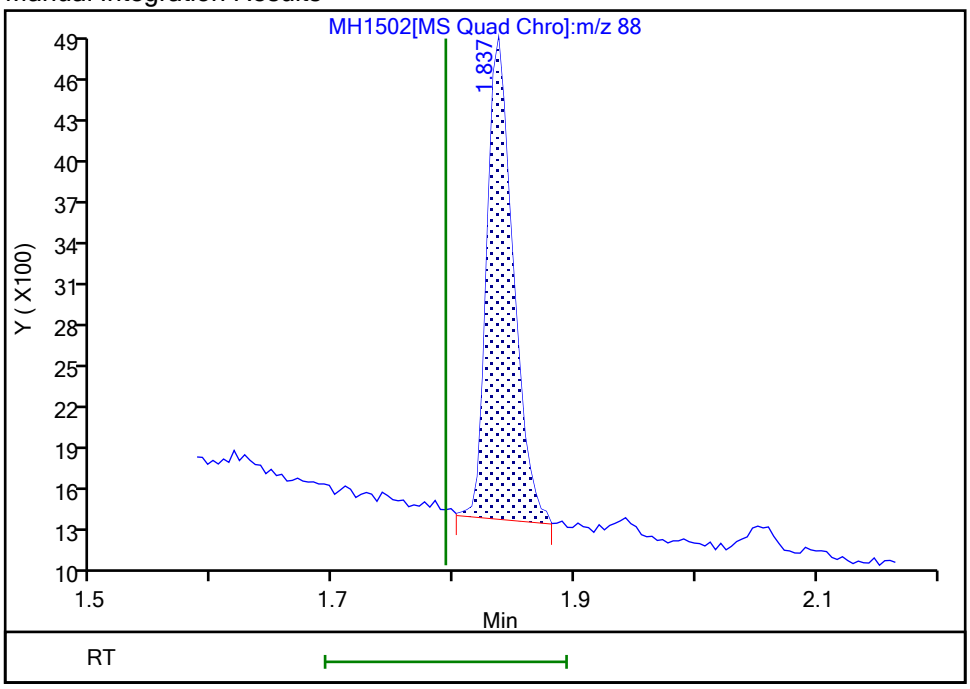
Processing Integration Results

RT: 1.84
Area: 11741
Amount: 0.063033
Amount Units: ug/ml



Manual Integration Results

RT: 1.84
Area: 5267
Amount: 0.028277
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:25:32
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

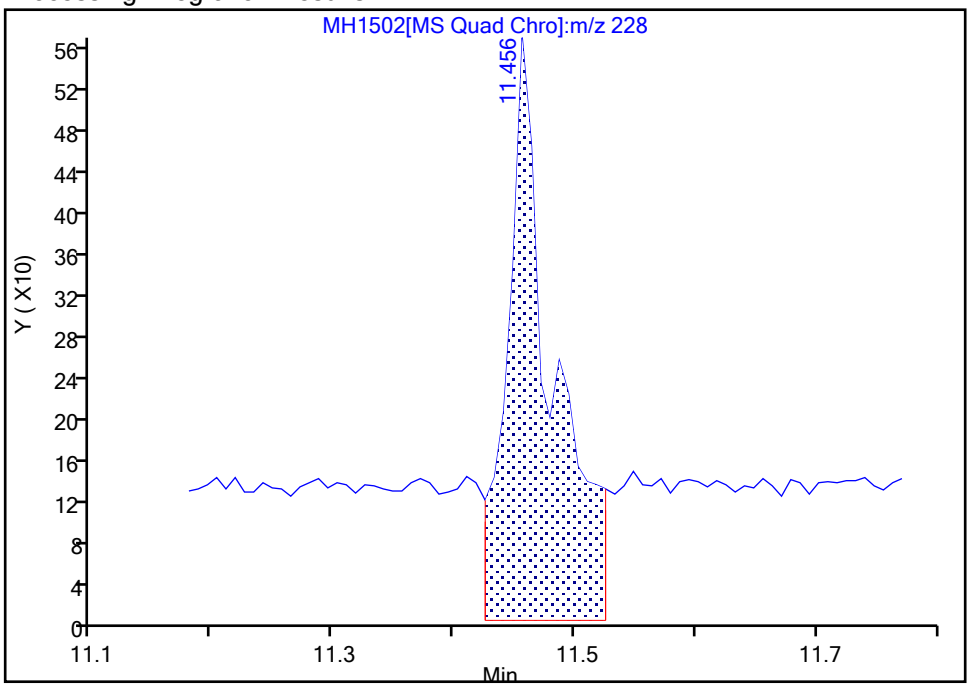
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D				
Injection Date:	22-Aug-2022 07:40:00	Instrument ID:	HP21585		
Lims ID:	MB 410-288127/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

28 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

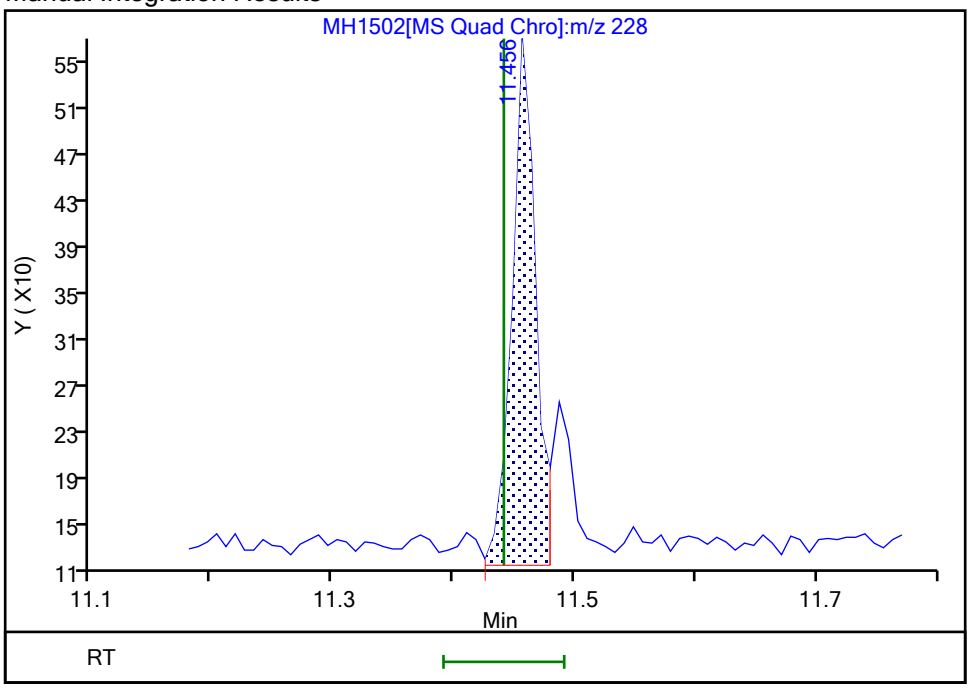
Processing Integration Results

RT: 11.46
Area: 1440
Amount: 0.001716
Amount Units: ug/ml



Manual Integration Results

RT: 11.46
Area: 602
Amount: 0.000718
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:26:25

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

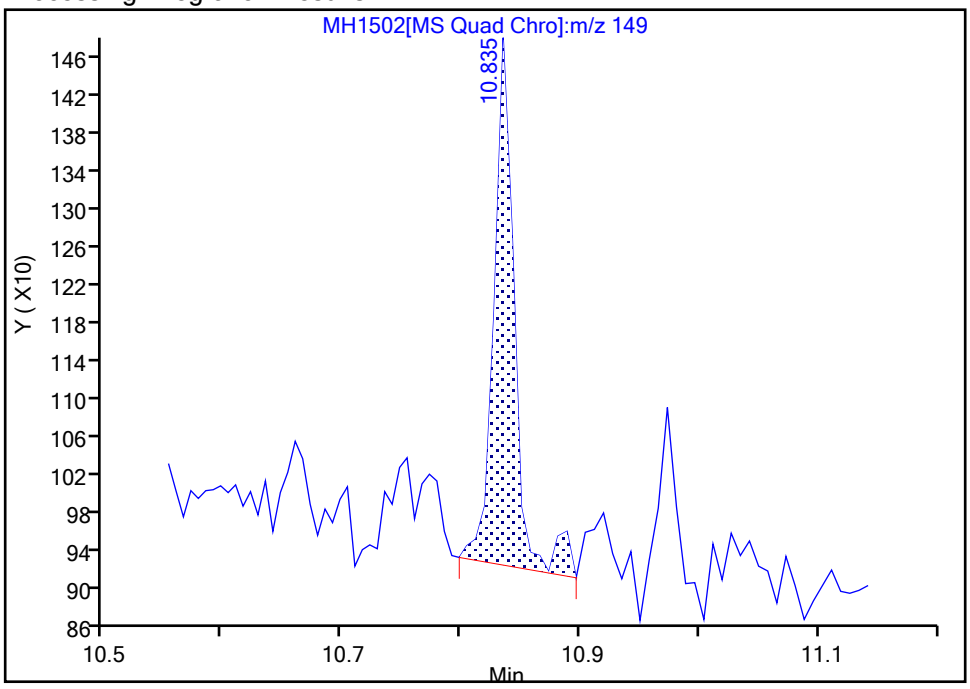
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D				
Injection Date:	22-Aug-2022 07:40:00	Instrument ID:	HP21585		
Lims ID:	MB 410-288127/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 Butyl benzyl phthalate, CAS: 85-68-7

Signal: 1

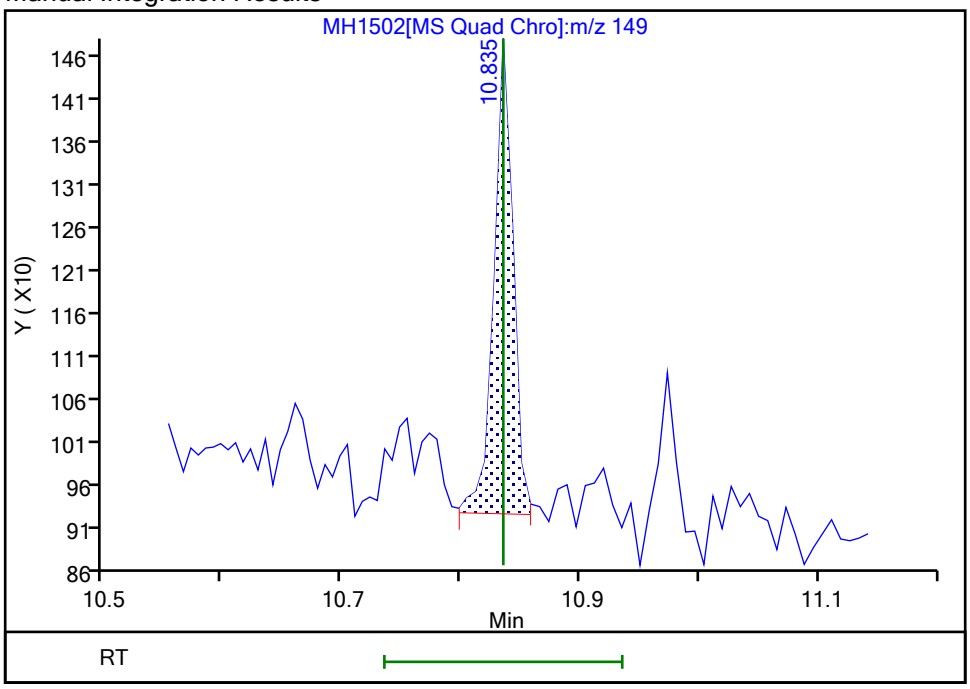
Processing Integration Results

RT: 10.84
Area: 655
Amount: 0.039423
Amount Units: ug/ml



Manual Integration Results

RT: 10.84
Area: 601
Amount: 0.039170
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:26:10

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

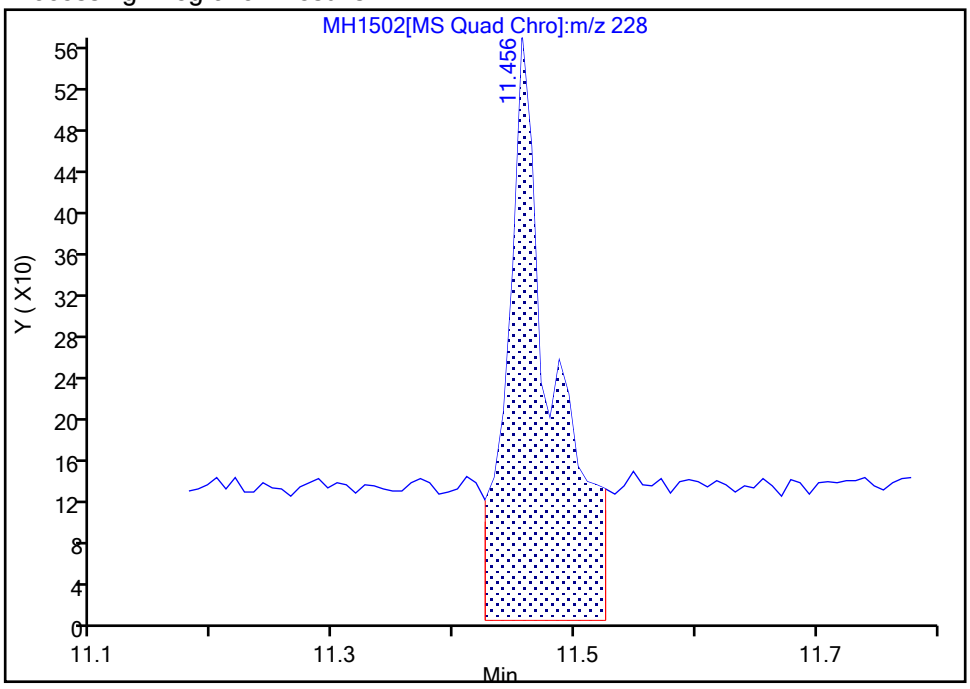
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D				
Injection Date:	22-Aug-2022 07:40:00	Instrument ID:	HP21585		
Lims ID:	MB 410-288127/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

30 Chrysene, CAS: 218-01-9

Signal: 1

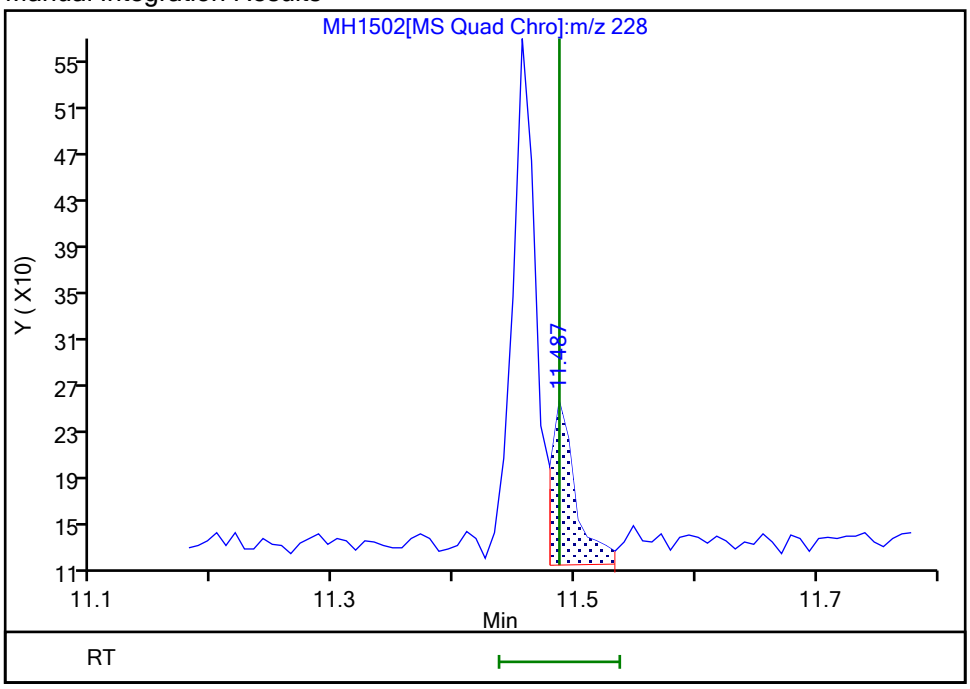
Processing Integration Results

RT: 11.46
Area: 1440
Amount: 0.001536
Amount Units: ug/ml



Manual Integration Results

RT: 11.49
Area: 182
Amount: 0.000194
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:26:40

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

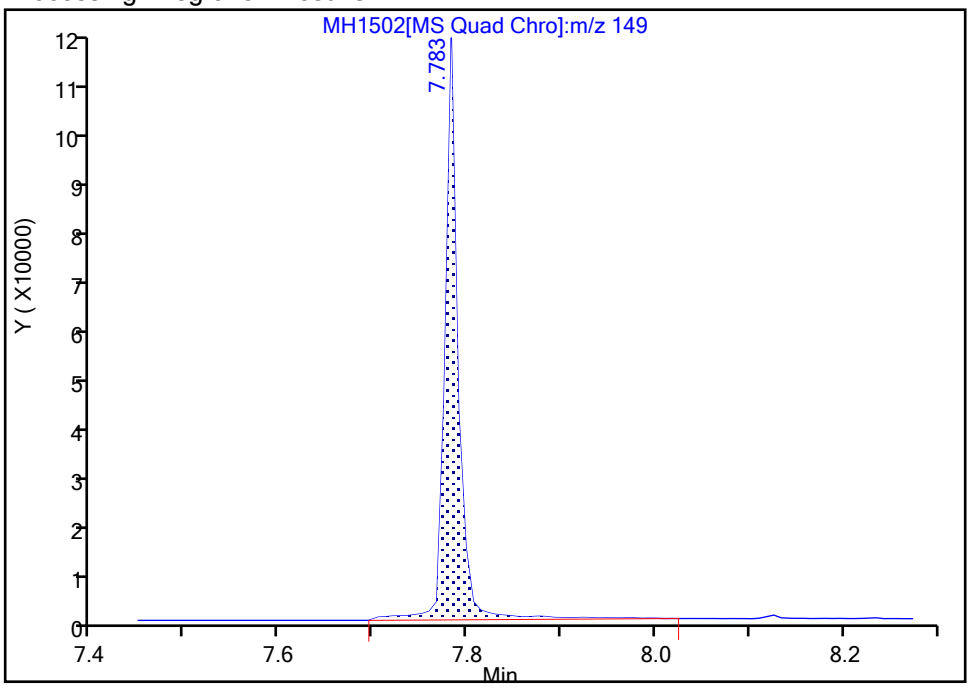
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D				
Injection Date:	22-Aug-2022 07:40:00	Instrument ID:	HP21585		
Lims ID:	MB 410-288127/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

16 Diethyl phthalate, CAS: 84-66-2

Signal: 1

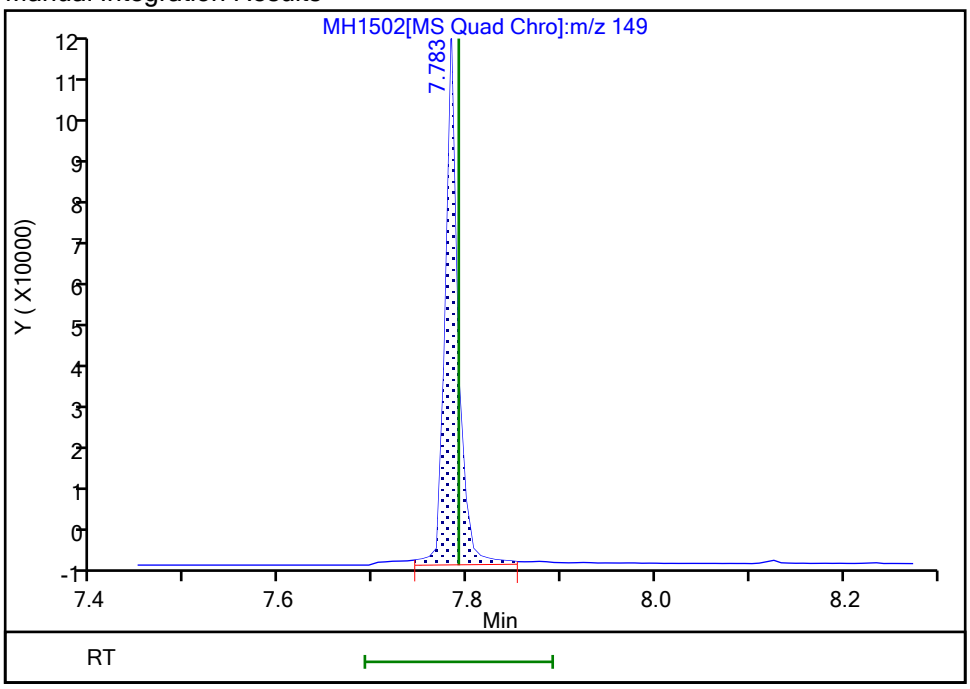
Processing Integration Results

RT: 7.78
Area: 112797
Amount: 0.207655
Amount Units: ug/ml



Manual Integration Results

RT: 7.78
Area: 108342
Amount: 0.199453
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:25:52

Audit Action: Manually Integrated Audit Reason: Baseline

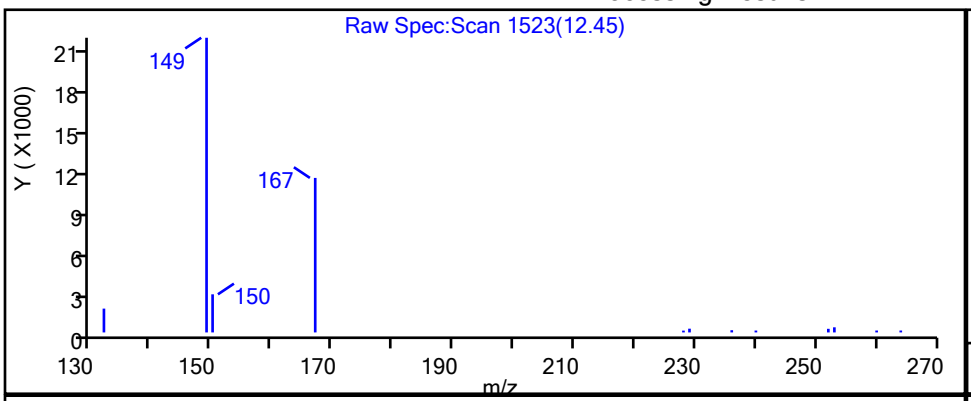
User Disabled Compound Report

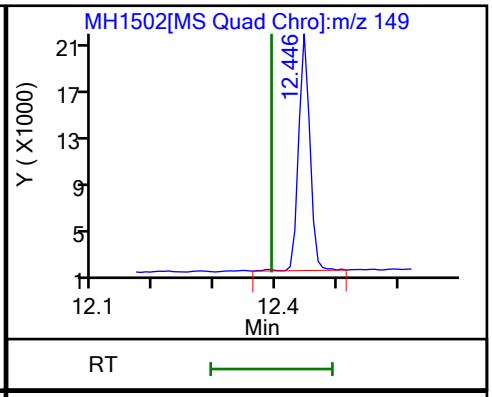
Eurofins Lancaster Laboratories Environment Testing, LLC

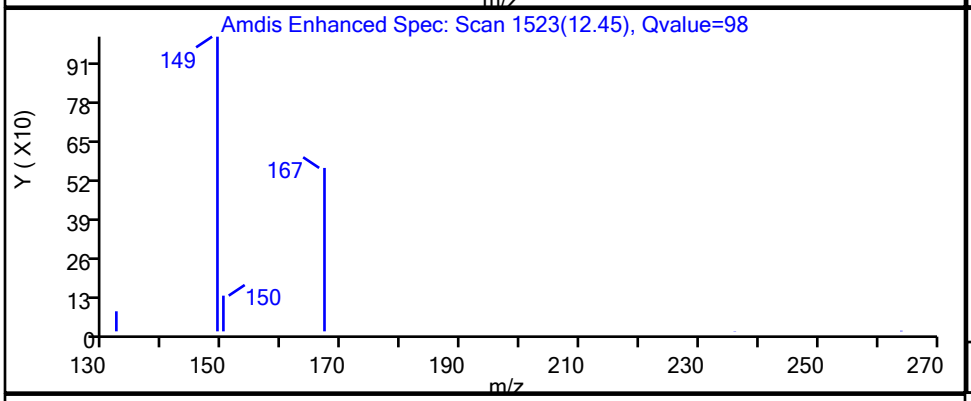
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D				
Injection Date:	22-Aug-2022 07:40:00	Instrument ID:	HP21585		
Lims ID:	MB 410-288127/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

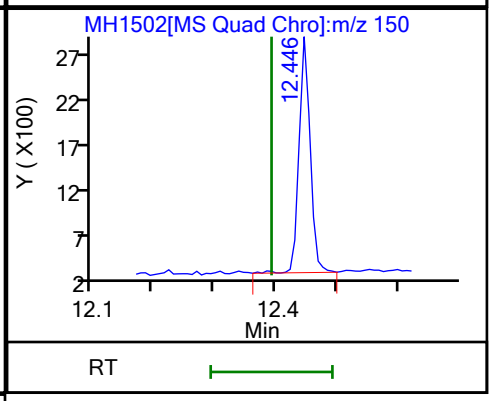
32 Di-n-octyl phthalate, CAS: 117-84-0

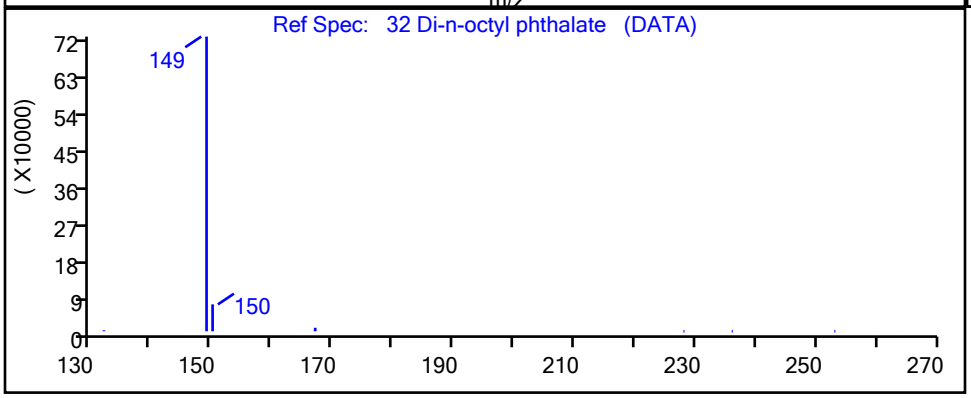
Processing Results











RT	Mass	Response	Amount
12.45	149.00	26168	0.087250
12.45	150.00	3180	

Reviewer: SJ89, 22-Aug-2022 18:26:46

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

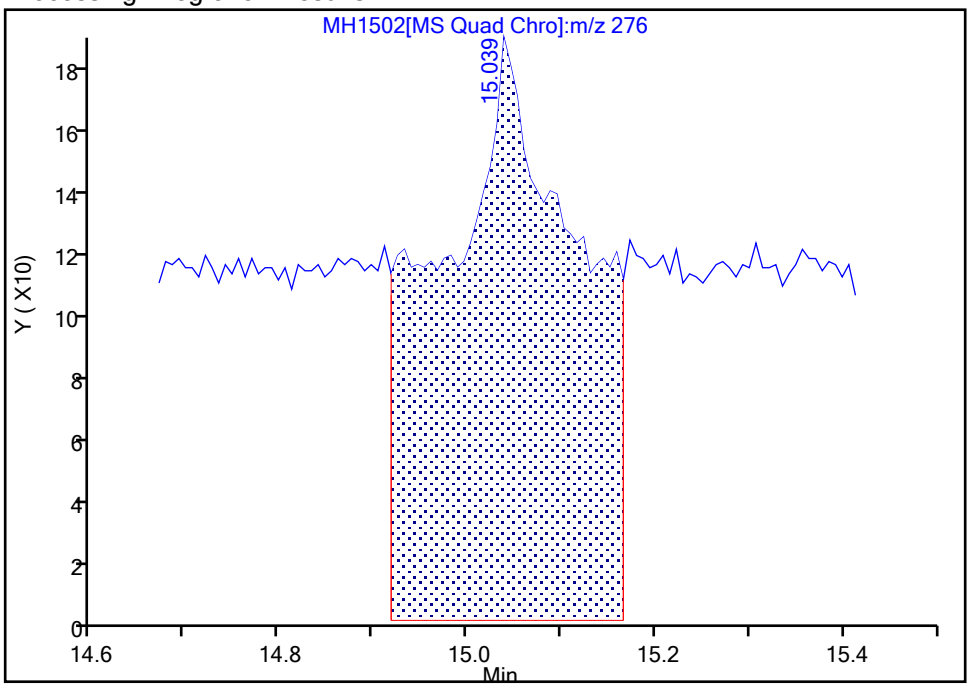
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D				
Injection Date:	22-Aug-2022 07:40:00	Instrument ID:	HP21585		
Lims ID:	MB 410-288127/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

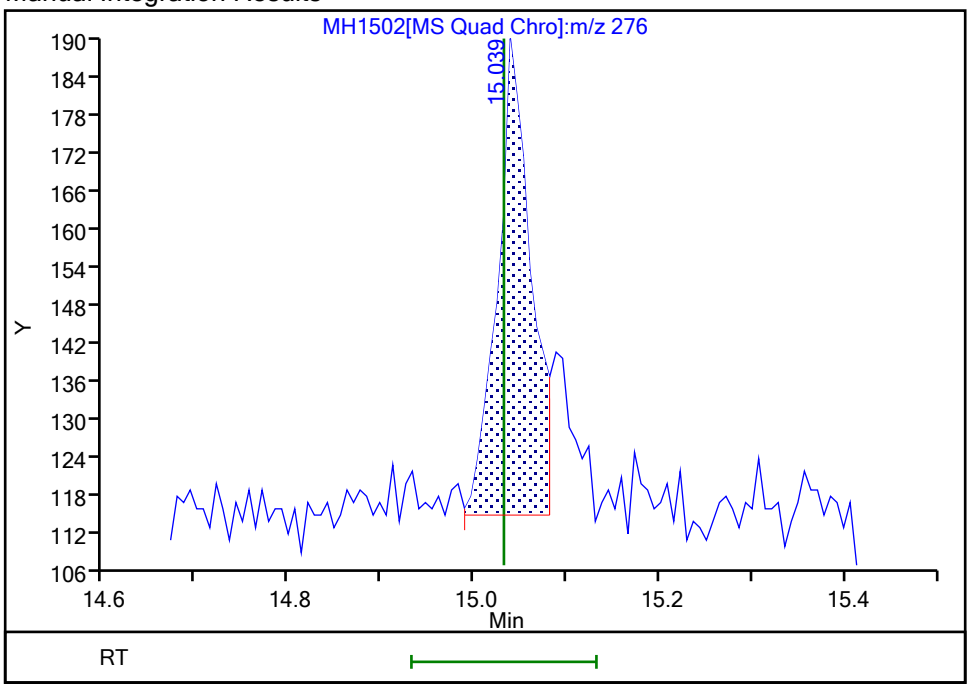
Processing Integration Results

RT: 15.04
Area: 1940
Amount: 0.002731
Amount Units: ug/ml



Manual Integration Results

RT: 15.04
Area: 187
Amount: 0.000263
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:26:55

Audit Action: Manually Integrated Audit Reason: Baseline

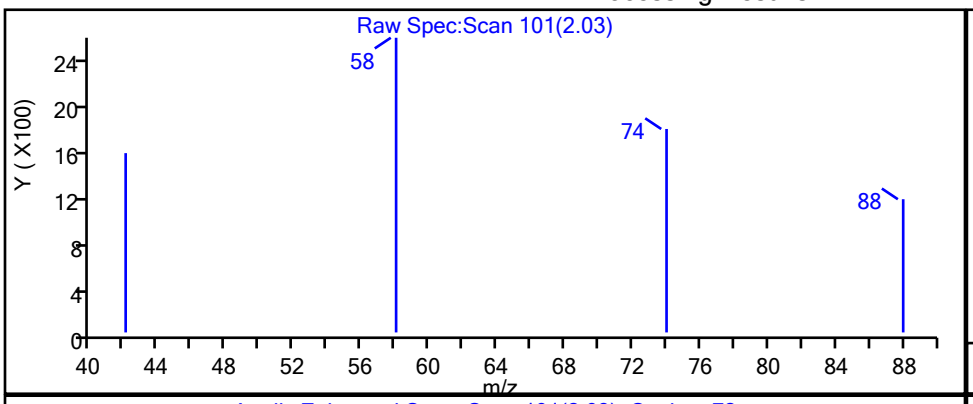
User Disabled Compound Report

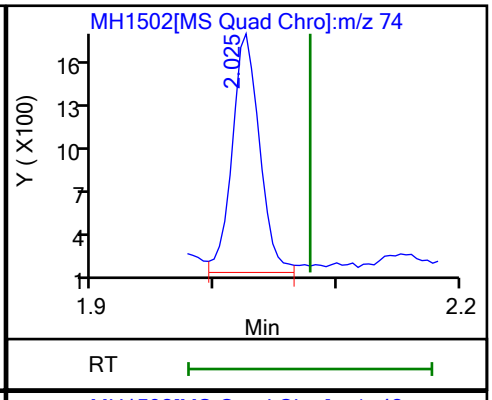
Eurofins Lancaster Laboratories Environment Testing, LLC

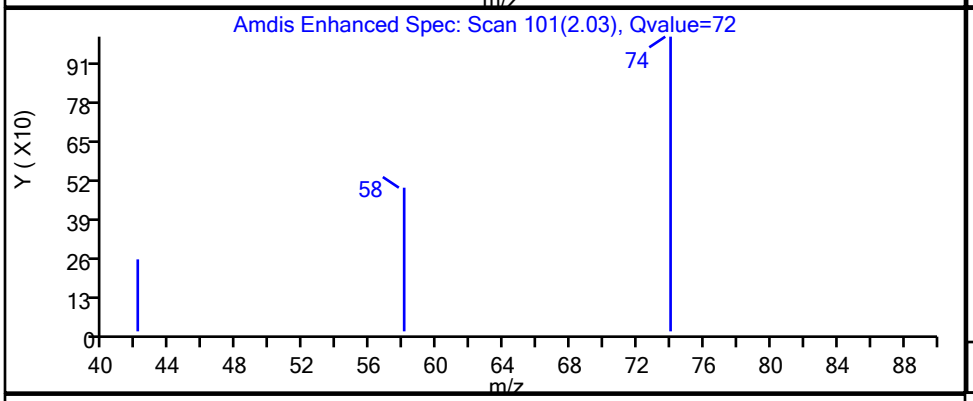
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1502.D				
Injection Date:	22-Aug-2022 07:40:00	Instrument ID:	HP21585		
Lims ID:	MB 410-288127/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

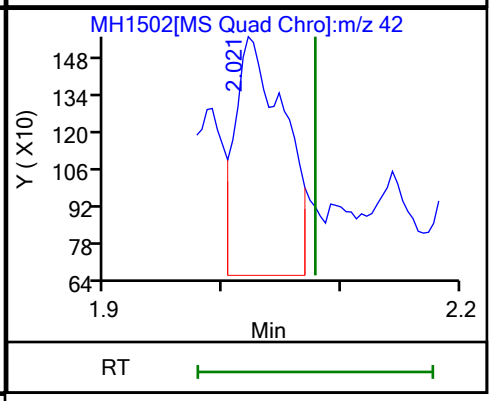
2 N-Nitrosodimethylamine, CAS: 62-75-9

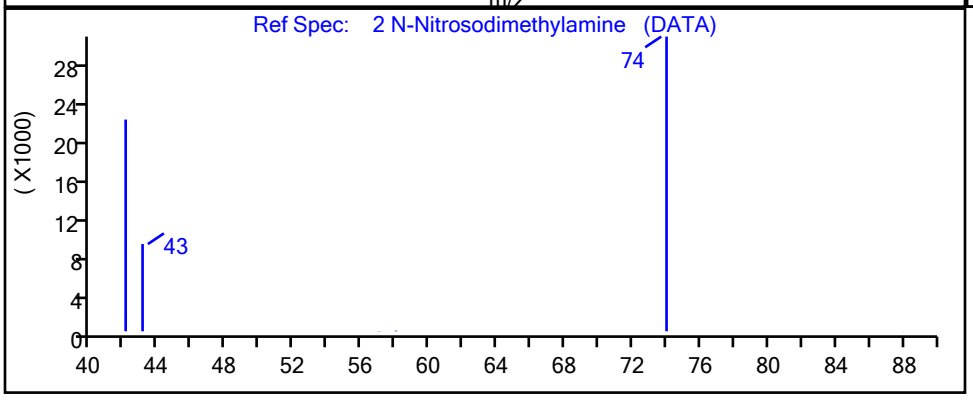
Processing Results











RT	Mass	Response	Amount
2.03	74.00	2452	0.010755
2.02	42.00	2567	

Reviewer: SJ89, 22-Aug-2022 18:25:40

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-286366/2-A

Matrix: Water
Lab File ID: MH1256.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/16/2022 09:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/16/2022 20:06

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 286632
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.531		0.30	0.10
90-12-0	1-Methylnaphthalene	0.605		0.050	0.020
91-57-6	2-Methylnaphthalene	0.568		0.050	0.020
83-32-9	Acenaphthene	0.804		0.050	0.010
208-96-8	Acenaphthylene	0.716		0.050	0.010
120-12-7	Anthracene	0.813		0.050	0.010
56-55-3	Benzo[a]anthracene	0.825		0.050	0.010
50-32-8	Benzo[a]pyrene	0.817		0.050	0.010
205-99-2	Benzo[b]fluoranthene	0.792		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	0.851		0.050	0.010
207-08-9	Benzo[k]fluoranthene	0.893		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	0.862		0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	1.27		1.0	0.050
85-68-7	Butylbenzylphthalate	0.992	J	1.0	0.050
218-01-9	Chrysene	0.825		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	0.847		0.050	0.020
132-64-9	Dibenzofuran	0.811		0.050	0.010
84-66-2	Diethylphthalate	0.879	J	1.0	0.050
131-11-3	Dimethylphthalate	0.748	J	1.0	0.050
84-74-2	Di-n-butyl phthalate	0.980	J	1.0	0.050
117-84-0	Di-n-octyl phthalate	0.862	J	1.0	0.050
206-44-0	Fluoranthene	0.835		0.050	0.010
86-73-7	Fluorene	0.783		0.050	0.010
118-74-1	Hexachlorobenzene	0.750		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.852		0.050	0.020
91-20-3	Naphthalene	0.585		0.070	0.030
62-75-9	N-Nitrosodimethylamine	0.665		0.050	0.020
85-01-8	Phenanthrene	0.850		0.070	0.030
129-00-0	Pyrene	0.802		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-286366/2-A

Matrix: Water Lab File ID: MH1256.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 08/16/2022 09:09

Sample wt/vol: 250(mL) Date Analyzed: 08/16/2022 20:06

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 286632 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	67		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	86		10-110
93951-69-0	Fluoranthene-d10 (Surr)	80		47-128

Report Date: 17-Aug-2022 03:47:25 Chrom Revision: 2.3 16-Aug-2022 20:53:50

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1256.D
Lims ID: LCS 410-286366/2-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Aug-2022 20:06:41 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-286366/2-A
Misc. Info.: 410-0064300-007
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 17-Aug-2022 03:47:00 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: UJM0 Date: 17-Aug-2022 03:33:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.828	1.824	0.017	88	28770	0.2500	0.1327	M
2 N-Nitrosodimethylamine	74	2.113	2.095	0.018	89	44116	0.2500	0.1663	
3 Bis(2-chloroethyl)ether	93	4.280	4.280	0.000	84	113376	0.2500	0.2155	
* 4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	85	77076	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.729	5.729	0.000	91	300638	0.2500	0.2500	
6 Naphthalene	128	5.742	5.742	0.000	93	219813	0.2500	0.1463	
8 2-Methylnaphthalene	142	6.396	6.396	0.000	97	131509	0.2500	0.1421	
$ 9 1-Methylnaphthalene-d10	152	6.455	6.456	0.000	99	114904	0.2500	0.1672	
10 1-Methylnaphthalene	142	6.485	6.495	-0.010	97	130804	0.2500	0.1514	
11 Dimethyl phthalate	163	7.125	7.135	-0.010	75	131930	0.2500	0.1871	
12 Acenaphthylene	152	7.253	7.253	0.000	96	204884	0.2500	0.1789	
* 13 Acenaphthene-d10	164	7.381	7.381	0.000	97	141770	0.2500	0.2500	
14 Acenaphthene	154	7.411	7.411	0.000	88	142775	0.2500	0.2009	
15 Dibenzofuran	168	7.578	7.578	0.000	96	218837	0.2500	0.2028	
16 Diethyl phthalate	149	7.800	7.793	0.000	100	148362	0.2500	0.2196	
17 Fluorene	166	7.901	7.901	0.000	98	163660	0.2500	0.1958	
19 Hexachlorobenzene	284	8.416	8.417	-0.008	99	42870	0.2500	0.1874	
* 20 Phenanthrene-d10	188	8.791	8.799	-0.008	95	241681	0.2500	0.2500	
21 Phenanthrene	178	8.814	8.807	-0.001	100	246253	0.2500	0.2125	
22 Anthracene	178	8.861	8.861	-0.008	100	219781	0.2500	0.2033	
23 Di-n-butyl phthalate	149	9.358	9.358	-0.006	100	217473	0.2500	0.2449	
$ 24 Fluoranthene-d10 (Surr)	212	9.928	9.935	-0.007	98	204548	0.2500	0.2009	
25 Fluoranthene	202	9.947	9.939	0.000	100	261962	0.2500	0.2086	
26 Pyrene	202	10.160	10.160	-0.007	100	262413	0.2500	0.2006	
27 Butyl benzyl phthalate	149	10.837	10.844	-0.007	100	56944	0.2500	0.2479	
28 Benzo[a]anthracene	228	11.450	11.458	0.000	100	216264	0.2500	0.2063	
* 29 Chrysene-d12	240	11.466	11.466	0.000	59	199888	0.2500	0.2500	
30 Chrysene	228	11.489	11.496	-0.007	100	241760	0.2500	0.2064	
31 Bis(2-ethylhexyl) phthalate	149	11.519	11.519	-0.008	100	115086	0.2500	0.3170	
32 Di-n-octyl phthalate	149	12.394	12.394	-0.007	100	111216	0.2500	0.2156	
33 Benzo[b]fluoranthene	252	12.869	12.870	-0.008	100	202862	0.2500	0.1980	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.907	12.908	-0.008	100	244121	0.2500	0.2233	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.299	13.291	0.000	100	150513	0.2500	0.2159	
37 Benzo[a]pyrene	252	13.329	13.329	-0.008	100	190746	0.2500	0.2041	
* 38 Perylene-d12	264	13.414	13.421	-0.007	100	188602	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.039	15.047	-0.008	100	169073	0.2500	0.2129	M
41 Dibenz(a,h)anthracene	278	15.096	15.095	-0.007	97	195304	0.2500	0.2118	
42 Benzo[g,h,i]perylene	276	15.506	15.504	-0.007	98	216473	0.2500	0.2126	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

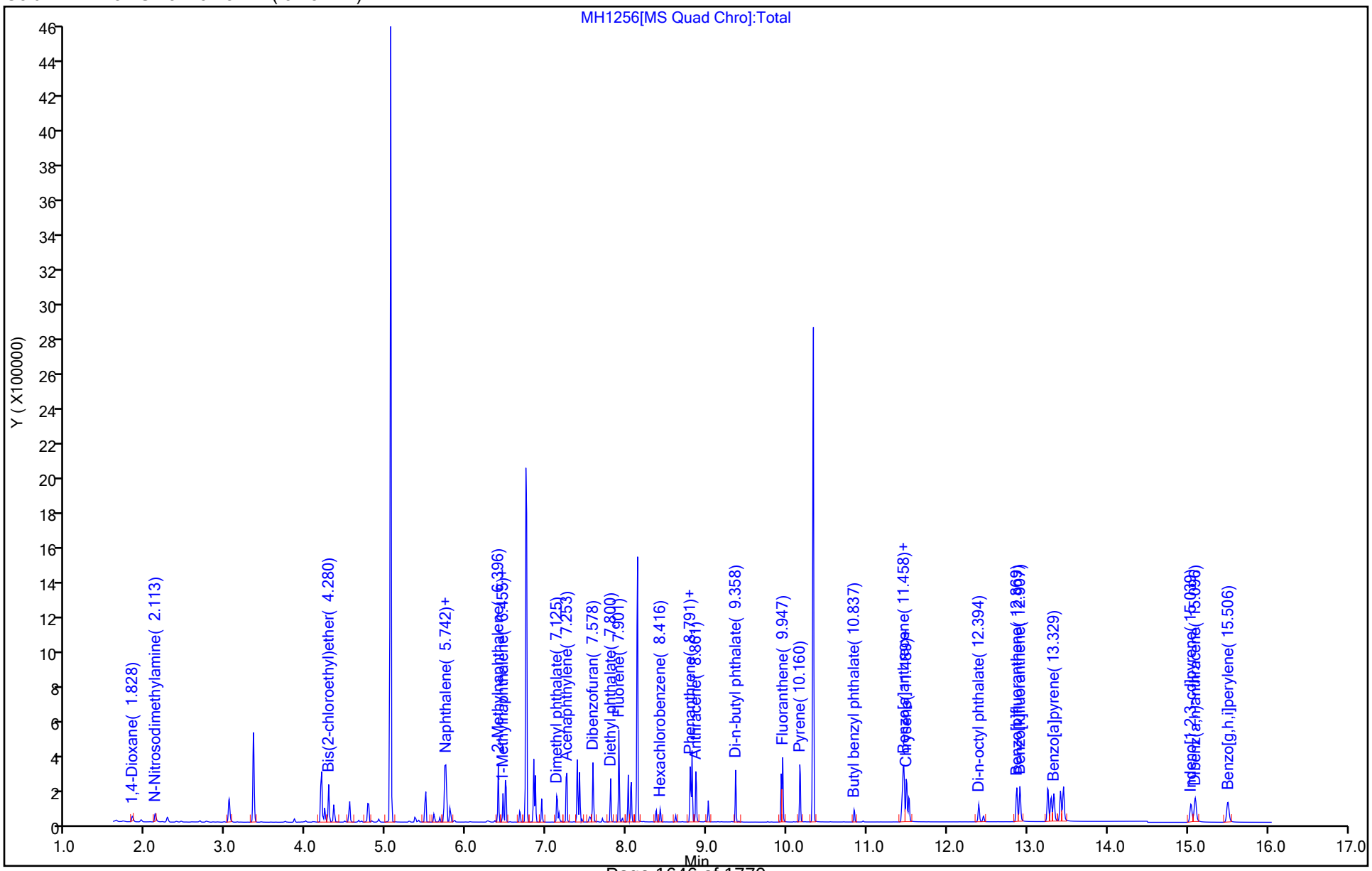
Report Date: 17-Aug-2022 03:47:25 Chrom Revision: 2.3 16-Aug-2022 20:53:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1256.D

Injection Date:	16-Aug-2022 20:06:41	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	LCS 410-286366/2-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1256.D
Lims ID: LCS 410-286366/2-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Aug-2022 20:06:41 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-286366/2-A
Misc. Info.: 410-0064300-007
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 17-Aug-2022 03:47:00 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: UJM0 Date: 17-Aug-2022 03:33:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1672	66.90
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2009	80.36
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2159	86.35

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

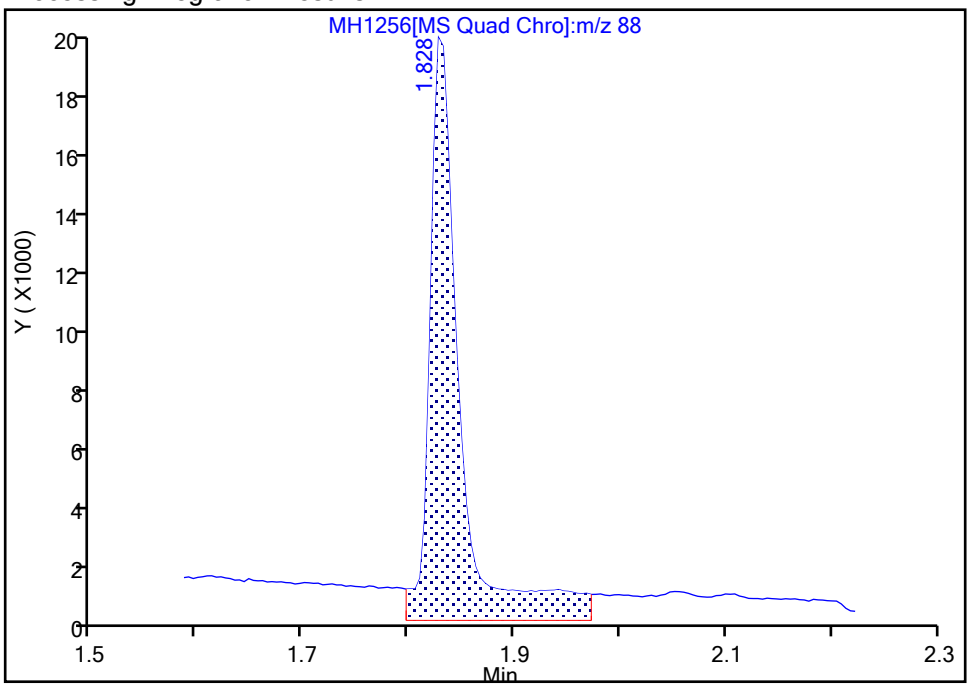
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1256.D				
Injection Date:	16-Aug-2022 20:06:41	Instrument ID:	HP21585		
Lims ID:	LCS 410-286366/2-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

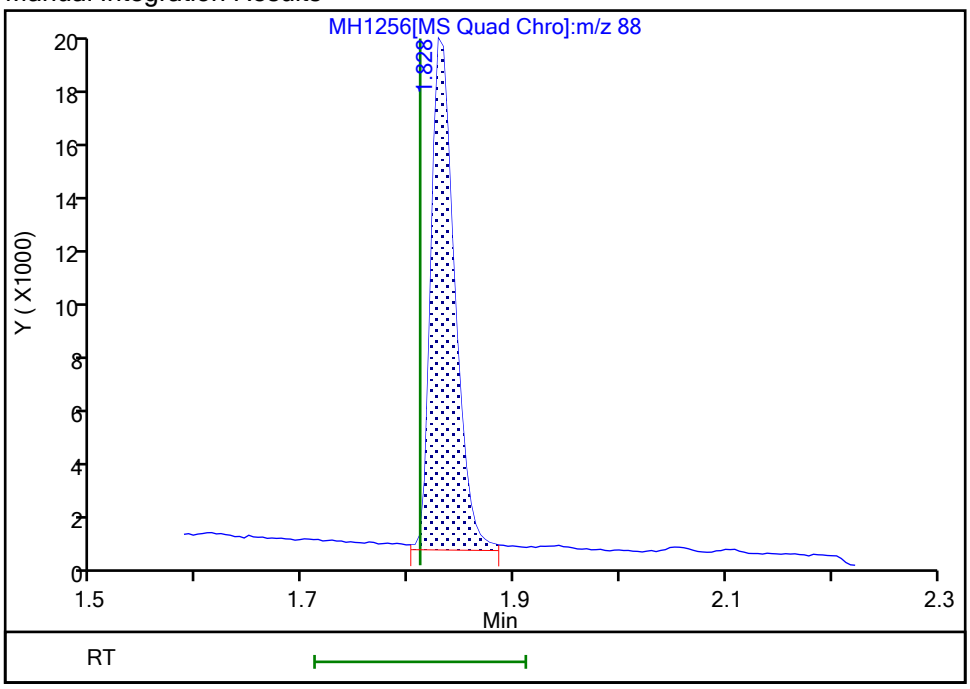
Processing Integration Results

RT: 1.83
Area: 38368
Amount: 0.177003
Amount Units: ug/ml



Manual Integration Results

RT: 1.83
Area: 28770
Amount: 0.132725
Amount Units: ug/ml



Reviewer: UJM0, 17-Aug-2022 03:32:49

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

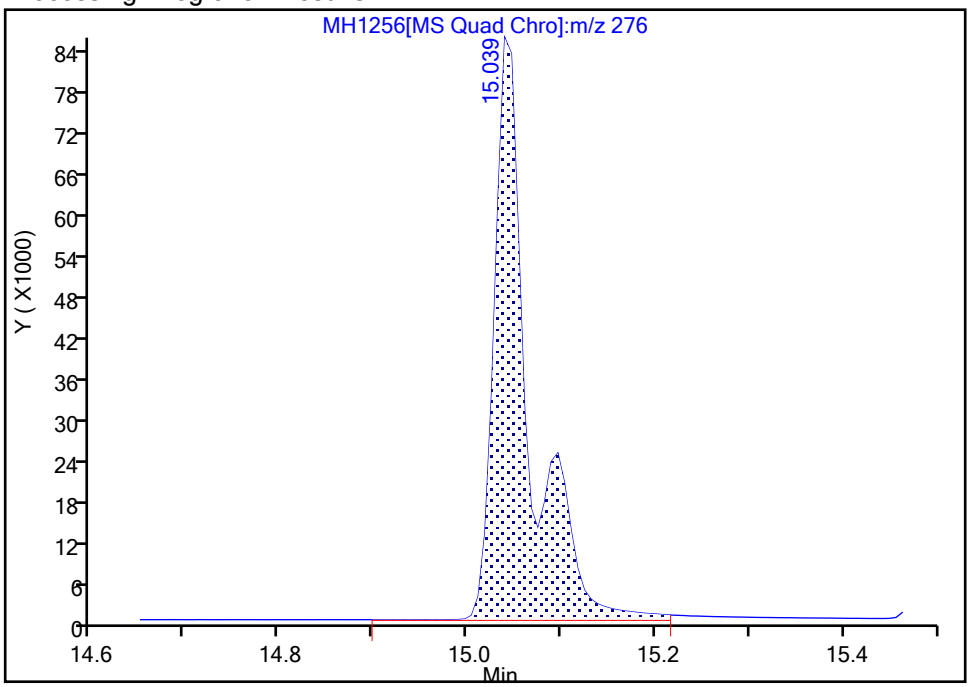
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1256.D				
Injection Date:	16-Aug-2022 20:06:41	Instrument ID:	HP21585		
Lims ID:	LCS 410-286366/2-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

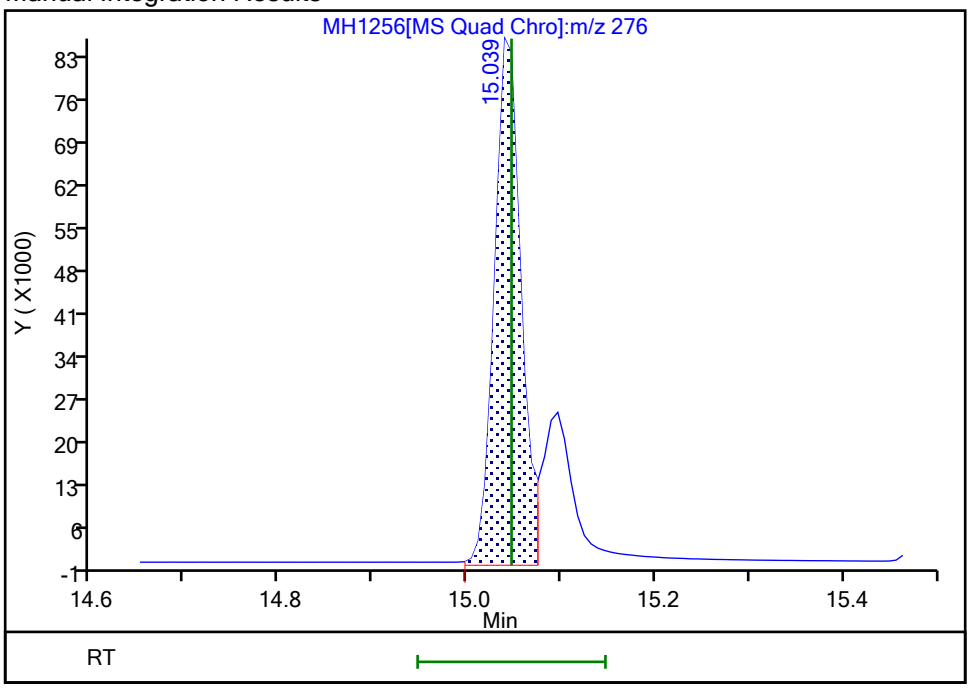
Processing Integration Results

RT: 15.04
Area: 225791
Amount: 0.284304
Amount Units: ug/ml



Manual Integration Results

RT: 15.04
Area: 169073
Amount: 0.212888
Amount Units: ug/ml



Reviewer: UJM0, 17-Aug-2022 03:33:10

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-287248/2-A

Matrix: Water
Lab File ID: MH1406.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 250(mL)
Date Analyzed: 08/18/2022 21:36

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287573
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.429		0.30	0.10
90-12-0	1-Methylnaphthalene	0.607		0.050	0.020
91-57-6	2-Methylnaphthalene	0.583		0.050	0.020
83-32-9	Acenaphthene	0.814		0.050	0.010
208-96-8	Acenaphthylene	0.693		0.050	0.010
120-12-7	Anthracene	0.788		0.050	0.010
56-55-3	Benzo[a]anthracene	0.820		0.050	0.010
50-32-8	Benzo[a]pyrene	0.798		0.050	0.010
205-99-2	Benzo[b]fluoranthene	0.785		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	0.717		0.050	0.010
207-08-9	Benzo[k]fluoranthene	0.868		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	0.809		0.050	0.020
85-68-7	Butylbenzylphthalate	0.731	J	1.0	0.050
218-01-9	Chrysene	0.809		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	0.723		0.050	0.020
132-64-9	Dibenzofuran	0.785		0.050	0.010
84-66-2	Diethylphthalate	0.692	J	1.0	0.050
131-11-3	Dimethylphthalate	0.377	J	1.0	0.050
117-84-0	Di-n-octyl phthalate	1.04		1.0	0.050
206-44-0	Fluoranthene	0.821		0.050	0.010
86-73-7	Fluorene	0.759		0.050	0.010
118-74-1	Hexachlorobenzene	0.796		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.730		0.050	0.020
91-20-3	Naphthalene	0.613		0.070	0.030
62-75-9	N-Nitrosodimethylamine	0.641		0.050	0.020
85-01-8	Phenanthrene	0.803		0.070	0.030
129-00-0	Pyrene	0.786		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-287248/2-A

Matrix: Water
Lab File ID: MH1406.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 250(mL)
Date Analyzed: 08/18/2022 21:36

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287573
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	62		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	82		10-110
93951-69-0	Fluoranthene-d10 (Surr)	77		47-128

Report Date: 19-Aug-2022 06:43:36 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1406.D
Lims ID: LCS 410-287248/2-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Aug-2022 21:36:20 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-287248/2-A
Misc. Info.: 410-0064495-007
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 04:32:18 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 03:40:44

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.837	1.811	0.026	88	21231	0.2500	0.1074	M
	2 N-Nitrosodimethylamine	74	2.122	2.100	0.022	89	38801	0.2500	0.1603	
	3 Bis(2-chloroethyl)ether	93	4.280	4.280	0.000	83	98415	0.2500	0.2024	
*	4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	90	70316	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.729	5.729	0.000	91	277961	0.2500	0.2500	
	6 Naphthalene	128	5.742	5.742	0.000	93	212816	0.2500	0.1532	
	8 2-Methylnaphthalene	142	6.396	6.396	0.000	96	124754	0.2500	0.1458	
$	9 1-Methylnaphthalene-d10	152	6.455	6.455	0.000	96	98124	0.2500	0.1545	
	10 1-Methylnaphthalene	142	6.485	6.485	0.000	100	121255	0.2500	0.1518	
	11 Dimethyl phthalate	163	7.125	7.135	-0.010	80	62011	0.2500	0.0941	
	12 Acenaphthylene	152	7.253	7.253	0.000	96	185208	0.2500	0.1731	
*	13 Acenaphthene-d10	164	7.381	7.381	0.000	95	132437	0.2500	0.2500	
	14 Acenaphthene	154	7.411	7.411	0.000	90	135168	0.2500	0.2036	
	15 Dibenzofuran	168	7.578	7.578	0.000	97	197760	0.2500	0.1961	
	16 Diethyl phthalate	149	7.800	7.793	0.000	99	109156	0.2500	0.1730	
	17 Fluorene	166	7.901	7.901	0.000	98	148051	0.2500	0.1896	
	19 Hexachlorobenzene	284	8.416	8.417	-0.008	98	42693	0.2500	0.1989	
*	20 Phenanthrene-d10	188	8.791	8.799	-0.008	95	226779	0.2500	0.2500	
	21 Phenanthrene	178	8.814	8.807	-0.001	100	218341	0.2500	0.2008	
	22 Anthracene	178	8.861	8.861	-0.008	100	199959	0.2500	0.1971	
	23 Di-n-butyl phthalate	149	9.358	9.356	-0.006	100	4195895	0.2500	5.04	
$	24 Fluoranthene-d10 (Surr)	212	9.928	9.926	-0.007	99	184841	0.2500	0.1935	
	25 Fluoranthene	202	9.947	9.945	-0.006	100	241939	0.2500	0.2053	
	26 Pyrene	202	10.160	10.167	-0.007	99	243638	0.2500	0.1965	
	27 Butyl benzyl phthalate	149	10.837	10.844	-0.007	100	37204	0.2500	0.1828	
	28 Benzo[a]anthracene	228	11.450	11.458	-0.008	100	203714	0.2500	0.2051	
*	29 Chrysene-d12	240	11.458	11.466	-0.008	76	189417	0.2500	0.2500	
	30 Chrysene	228	11.488	11.496	-0.008	100	224402	0.2500	0.2021	
	31 Bis(2-ethylhexyl) phthalate	149	11.519	11.527	-0.008	100	181155	0.2500	0.4980	
	32 Di-n-octyl phthalate	149	12.394	12.394	-0.007	100	138789	0.2500	0.2600	
	33 Benzo[b]fluoranthene	252	12.869	12.862	0.000	100	199510	0.2500	0.1962	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.907	12.908	-0.008	100	235460	0.2500	0.2170	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.299	13.299	-0.007	100	141672	0.2500	0.2047	
37 Benzo[a]pyrene	252	13.329	13.329	-0.008	100	185052	0.2500	0.1995	
* 38 Perylene-d12	264	13.414	13.421	-0.007	100	187193	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.039	15.038	-0.008	100	143845	0.2500	0.1825	M
41 Dibenz(a,h)anthracene	278	15.096	15.095	-0.007	97	165407	0.2500	0.1807	
42 Benzo[g,h,i]perylene	276	15.506	15.504	-0.007	98	181154	0.2500	0.1793	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

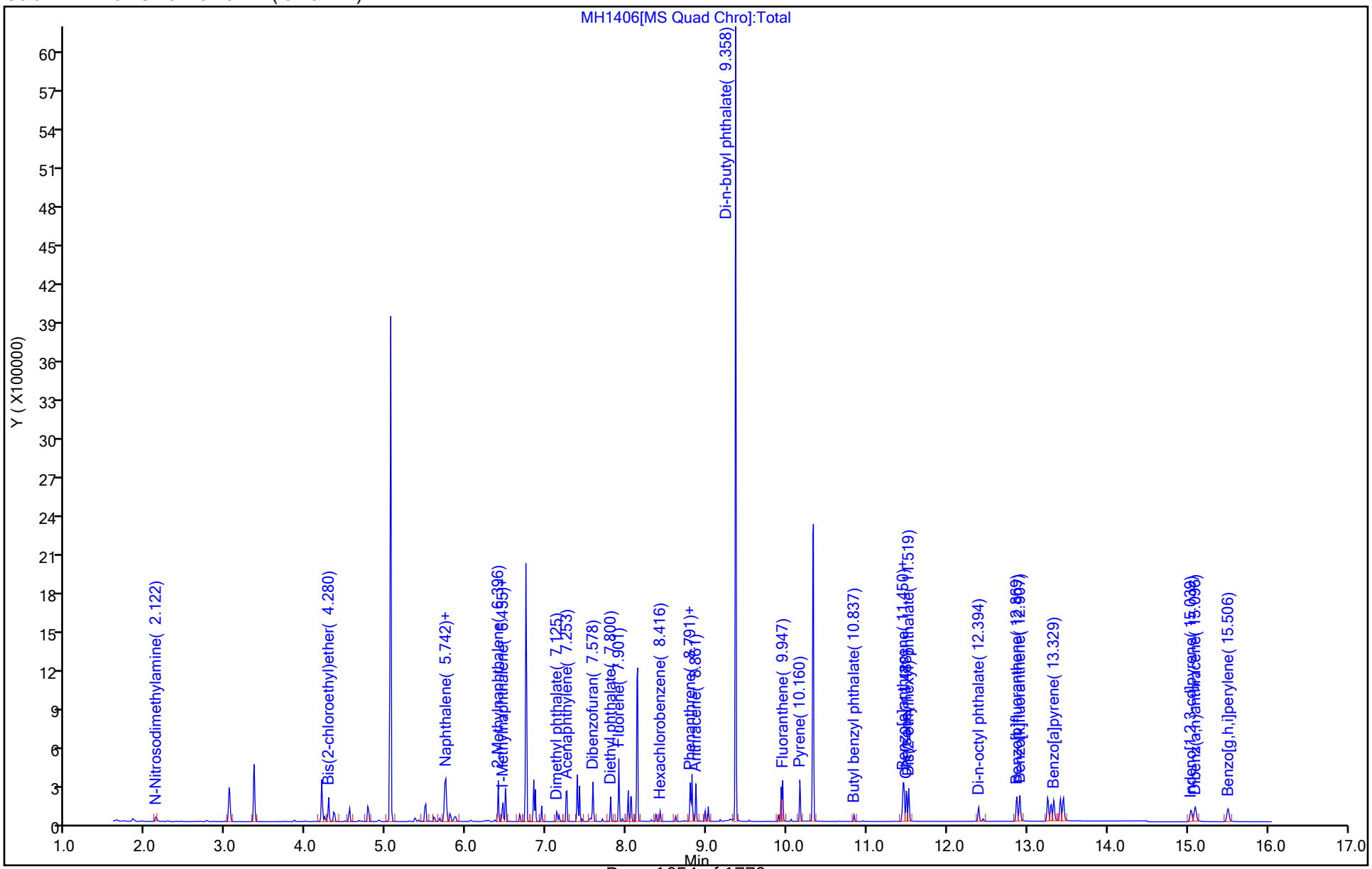
Report Date: 19-Aug-2022 06:43:36 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1406.D

Injection Date:	18-Aug-2022 21:36:20	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	LCS 410-287248/2-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1406.D
Lims ID: LCS 410-287248/2-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Aug-2022 21:36:20 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-287248/2-A
Misc. Info.: 410-0064495-007
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 04:32:18 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 03:40:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1545	61.79
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1935	77.39
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2047	81.89

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

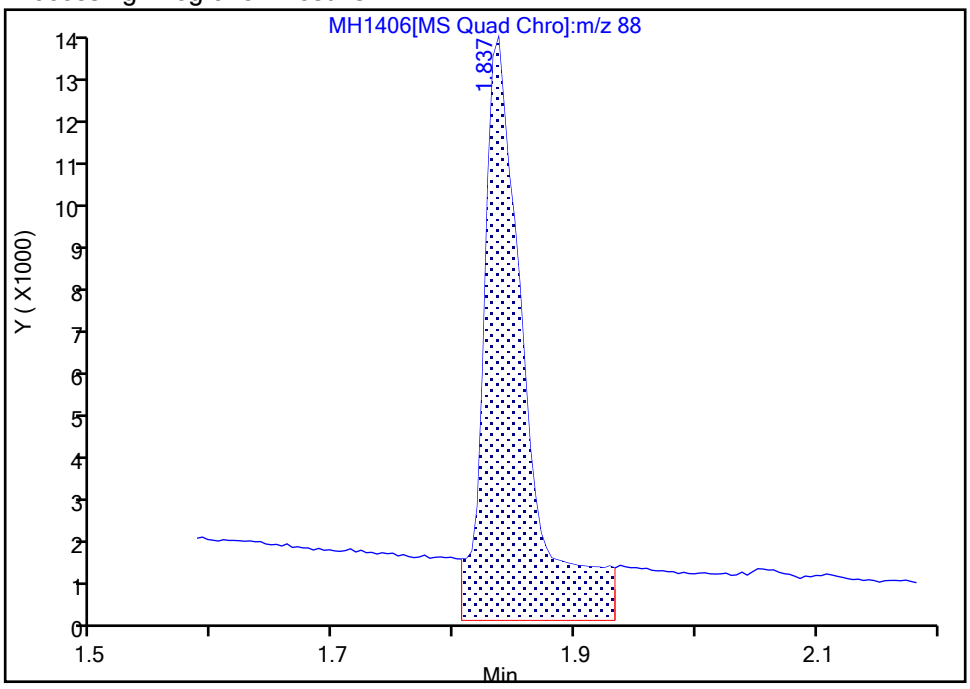
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1406.D				
Injection Date:	18-Aug-2022 21:36:20	Instrument ID:	HP21585		
Lims ID:	LCS 410-287248/2-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

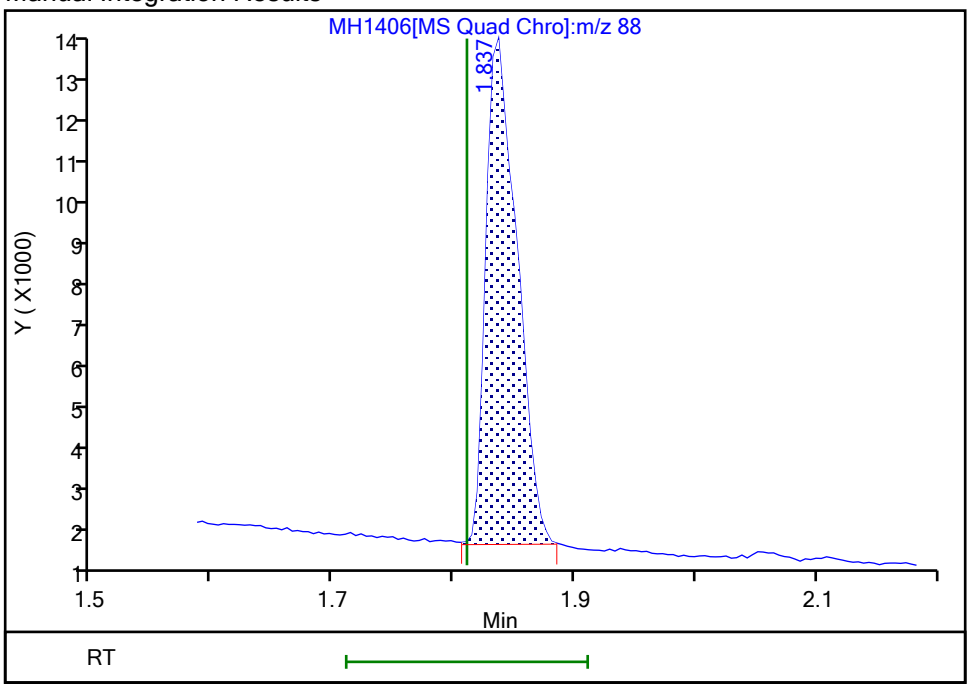
Processing Integration Results

RT: 1.84
Area: 31236
Amount: 0.157954
Amount Units: ug/ml



Manual Integration Results

RT: 1.84
Area: 21231
Amount: 0.107361
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 03:40:10
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

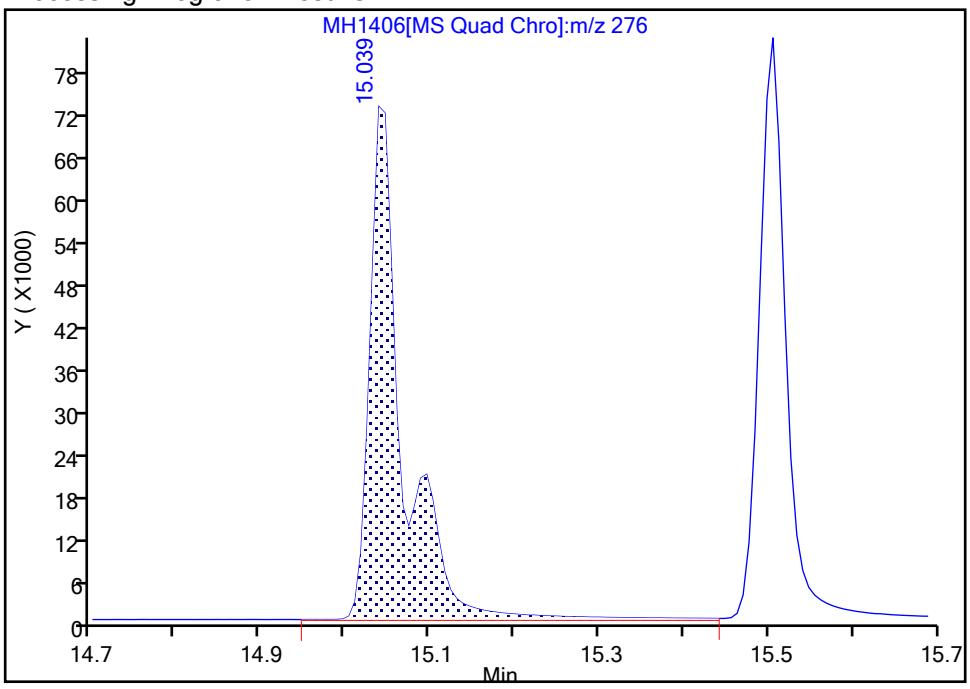
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1406.D				
Injection Date:	18-Aug-2022 21:36:20	Instrument ID:	HP21585		
Lims ID:	LCS 410-287248/2-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

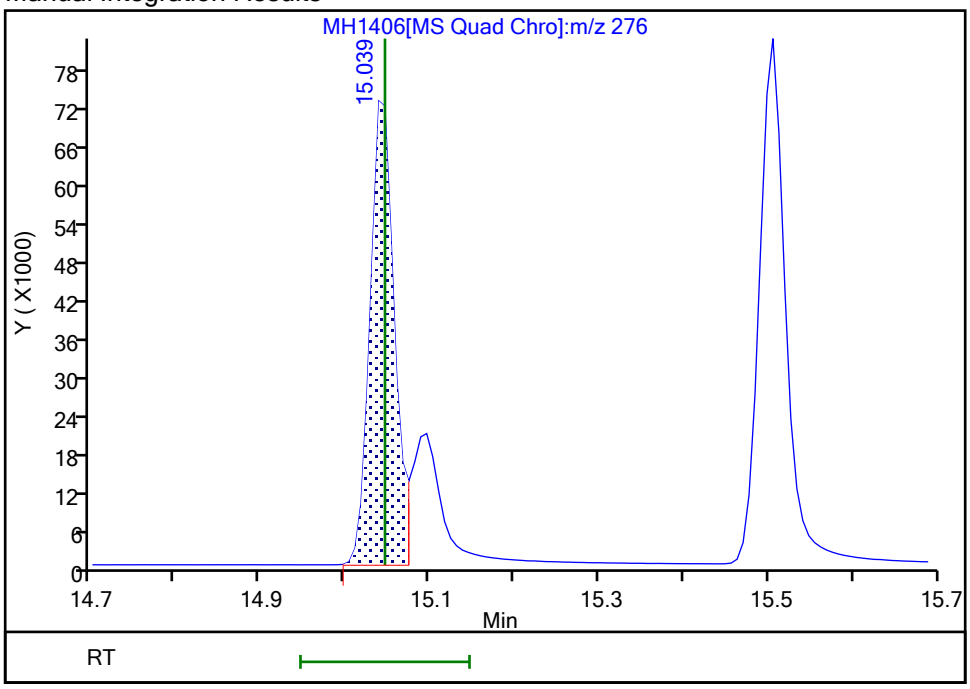
Processing Integration Results

RT: 15.04
Area: 201739
Amount: 0.255931
Amount Units: ug/ml



Manual Integration Results

RT: 15.04
Area: 143845
Amount: 0.182485
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 03:40:37

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-287248/2-A

Matrix: Water
Lab File ID: NH1303.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 250(mL)
Date Analyzed: 08/19/2022 05:36

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287637
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	1.69		1.0	0.050
84-74-2	Di-n-butyl phthalate	15.7		1.0	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	64		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	83		10-110
93951-69-0	Fluoranthene-d10 (Surr)	73		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1303.D
Lims ID: LCS 410-287248/2-A
Client ID:
Sample Type: LCS
Inject. Date: 19-Aug-2022 05:36:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-287248/2-A
Misc. Info.: 410-0064507-004
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:01:01

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.512	1.486	0.026	95	15674	0.2500	0.0911	M
	2 N-Nitrosodimethylamine	74	1.841	1.809	0.027	89	28919	0.2500	0.1516	
	3 Bis(2-chloroethyl)ether	93	4.105	4.105	0.000	93	70951	0.2500	0.1737	
*	4 1,4-Dichlorobenzene-d4	152	4.355	4.367	-0.012	82	61941	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.579	5.579	0.000	100	212432	0.2500	0.2500	
	6 Naphthalene	128	5.592	5.592	0.000	89	165416	0.2500	0.1554	
	8 2-Methylnaphthalene	142	6.254	6.254	0.000	96	99268	0.2500	0.1553	
$	9 1-Methylnaphthalene-d10	152	6.314	6.314	0.000	93	73974	0.2500	0.1597	
	10 1-Methylnaphthalene	142	6.344	6.344	0.000	97	95856	0.2500	0.1651	
	11 Dimethyl phthalate	163	6.995	6.986	0.000	98	44938	0.2500	0.1076	
	12 Acenaphthylene	152	7.106	7.096	0.000	98	154607	0.2500	0.1801	
*	13 Acenaphthene-d10	164	7.246	7.246	0.000	93	93109	0.2500	0.2500	
	14 Acenaphthene	154	7.266	7.256	0.000	93	86321	0.2500	0.1684	
	15 Dibenzofuran	168	7.436	7.426	0.000	78	141924	0.2500	0.1801	M
	16 Diethyl phthalate	149	7.664	7.672	0.000	98	85365	0.2500	0.2017	
	17 Fluorene	166	7.757	7.754	-0.008	96	108009	0.2500	0.1899	
	19 Hexachlorobenzene	284	8.274	8.274	0.000	98	32611	0.2500	0.1655	
*	20 Phenanthrene-d10	188	8.653	8.653	0.000	100	164498	0.2500	0.2500	
	21 Phenanthrene	178	8.668	8.668	0.000	100	153962	0.2500	0.1769	
	22 Anthracene	178	8.722	8.722	0.000	100	144027	0.2500	0.1755	
	23 Di-n-butyl phthalate	149	9.227	9.227	0.000	100	2394242	0.2500	3.93	M
$	24 Fluoranthene-d10 (Surr)	212	9.785	9.785	0.000	97	121800	0.2500	0.1829	
	25 Fluoranthene	202	9.798	9.798	0.000	95	151419	0.2500	0.1820	
	26 Pyrene	202	10.011	10.018	0.000	98	160289	0.2500	0.1717	
	27 Butyl benzyl phthalate	149	10.674	10.681	0.000	100	29784	0.2500	0.1243	
	28 Benzo[a]anthracene	228	11.249	11.257	-0.001	98	128328	0.2500	0.1922	
*	29 Chrysene-d12	240	11.257	11.257	0.000	98	115631	0.2500	0.2500	
	30 Chrysene	228	11.288	11.295	0.000	100	137884	0.2500	0.1814	
	31 Bis(2-ethylhexyl) phthalate	149	11.326	11.334	0.000	99	131004	0.2500	0.4217	
	32 Di-n-octyl phthalate	149	12.162	12.162	0.000	100	103496	0.2500	0.2203	M
	33 Benzo[b]fluoranthene	252	12.607	12.607	0.000	100	138801	0.2500	0.2399	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.645	12.645	0.000	100	146910	0.2500	0.1969	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.021	13.021	0.000	98	87665	0.2500	0.2077	
37 Benzo[a]pyrene	252	13.052	13.052	0.000	100	118819	0.2500	0.1933	
* 38 Perylene-d12	264	13.136	13.136	0.000	96	111739	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.675	14.674	0.000	96	98450	0.2500	0.2384	M
41 Dibenz(a,h)anthracene	278	14.717	14.717	0.000	98	106984	0.2500	0.2202	
42 Benzo[g,h,i]perylene	276	15.091	15.091	0.000	98	126931	0.2500	0.2168	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

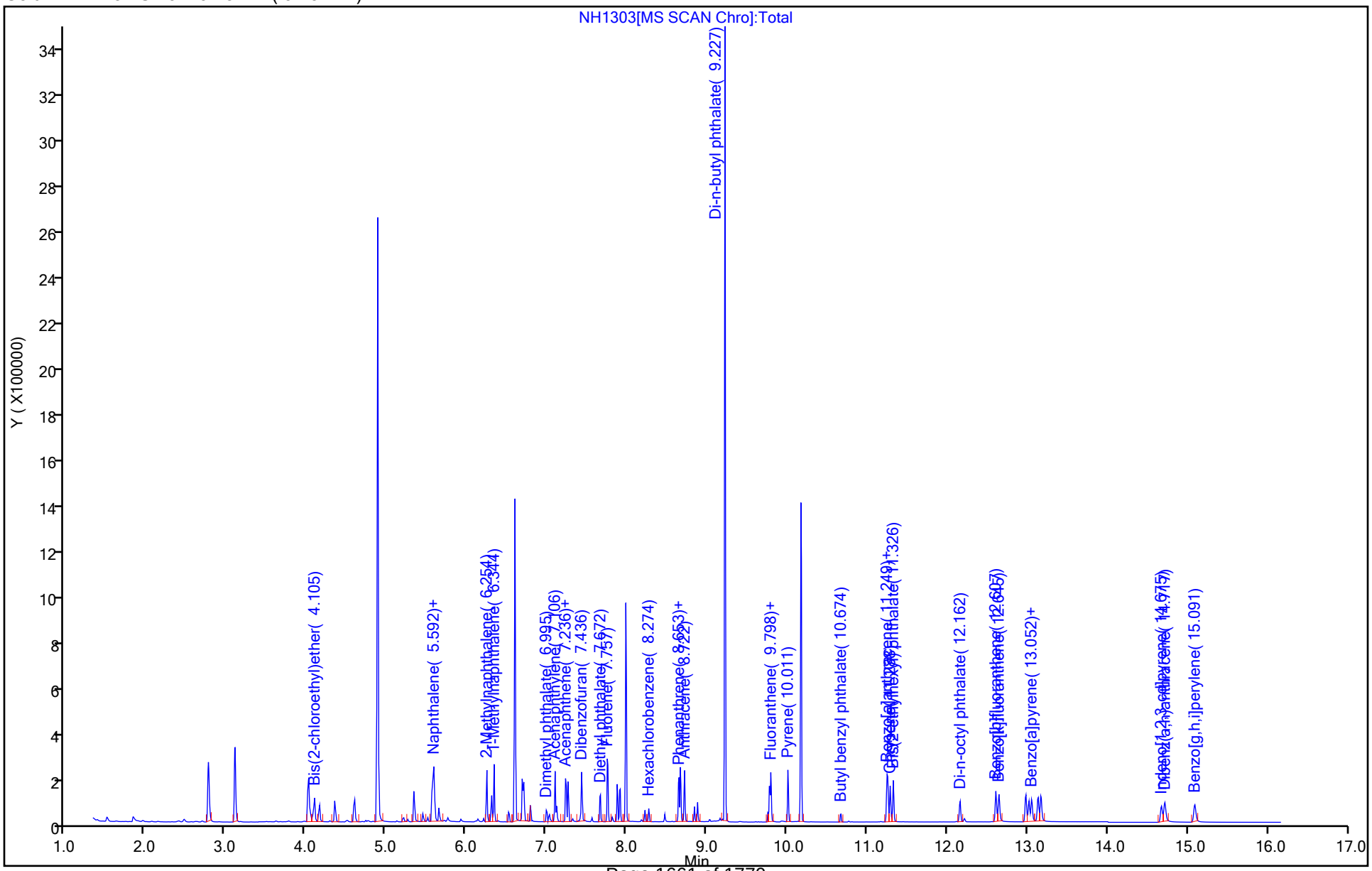
Report Date: 19-Aug-2022 08:31:01 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1303.D

Injection Date:	19-Aug-2022 05:36:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	LCS 410-287248/2-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1303.D
Lims ID: LCS 410-287248/2-A
Client ID:
Sample Type: LCS
Inject. Date: 19-Aug-2022 05:36:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-287248/2-A
Misc. Info.: 410-0064507-004
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:01:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1597	63.90
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1829	73.14
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2077	83.07

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

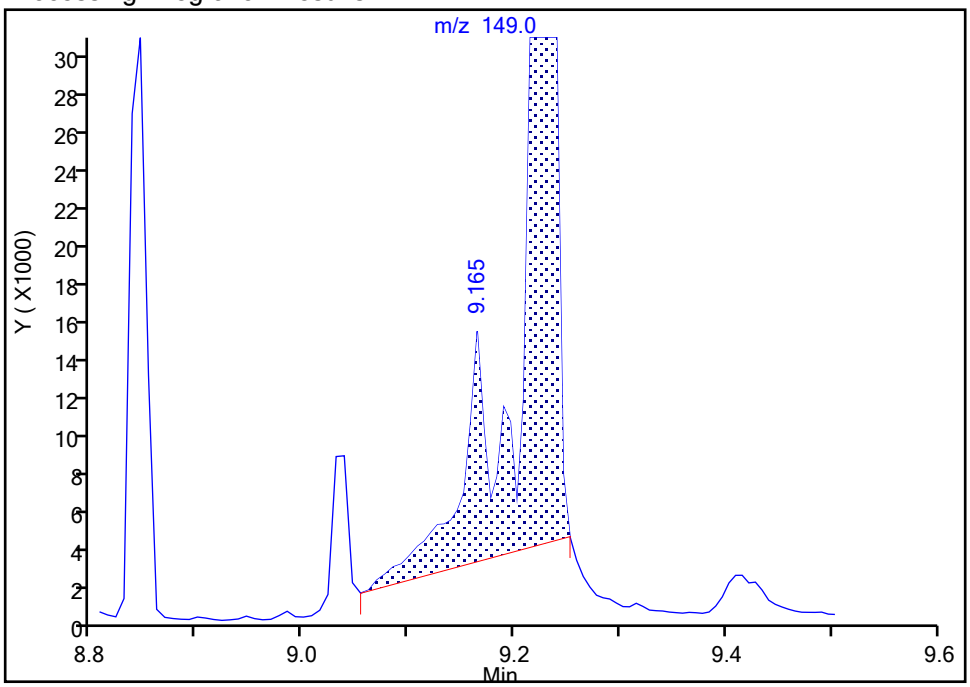
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1303.D				
Injection Date:	19-Aug-2022 05:36:30	Instrument ID:	HP23263		
Lims ID:	LCS 410-287248/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

23 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

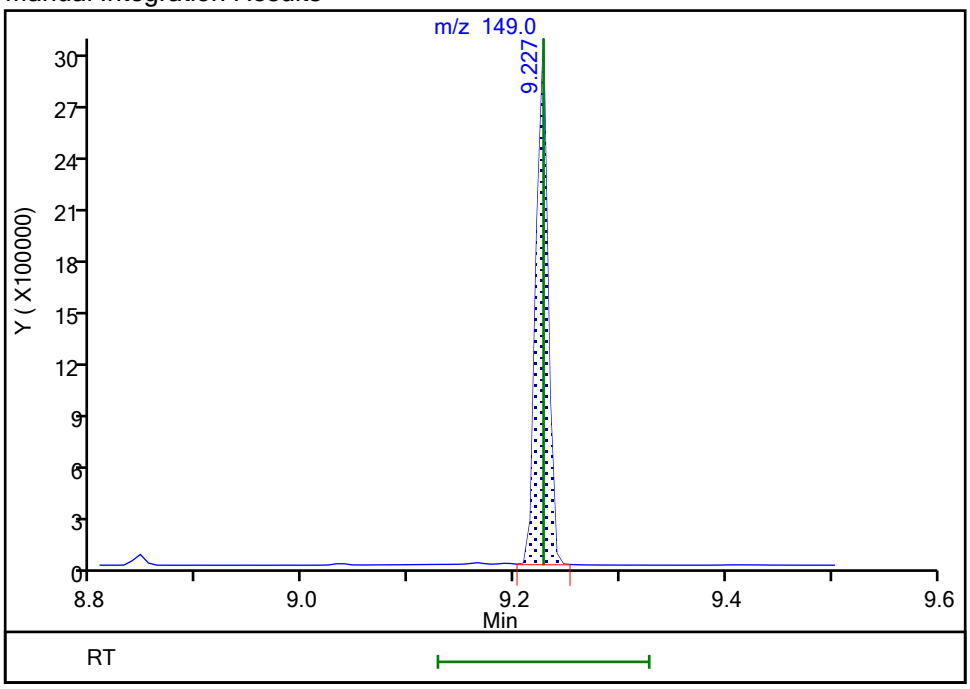
Processing Integration Results

RT: 9.16
Area: 2418906
Amount: 3.966675
Amount Units: ug/ml



Manual Integration Results

RT: 9.23
Area: 2394242
Amount: 3.926229
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 07:23:11

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-288127/2-A

Matrix: Water
Lab File ID: MH1503.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/21/2022 10:35

Sample wt/vol: 250(mL)
Date Analyzed: 08/22/2022 08:01

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 288195
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	*1,4-Dioxane*	*0.525*		*0.30*	*0.10*
90-12-0	*1-Methylnaphthalene*	*0.624*		*0.050*	*0.020*
91-57-6	*2-Methylnaphthalene*	*0.585*		*0.050*	*0.020*
83-32-9	*Acenaphthene*	*0.742*		*0.050*	*0.010*
208-96-8	*Acenaphthylene*	*0.747*		*0.050*	*0.010*
120-12-7	*Anthracene*	*0.844*		*0.050*	*0.010*
56-55-3	*Benzo[a]anthracene*	*0.857*		*0.050*	*0.010*
50-32-8	*Benzo[a]pyrene*	*0.843*		*0.050*	*0.010*
205-99-2	*Benzo[b]fluoranthene*	*0.826*		*0.050*	*0.010*
191-24-2	*Benzo[g,h,i]perylene*	*0.916*		*0.050*	*0.010*
207-08-9	*Benzo[k]fluoranthene*	*0.862*		*0.050*	*0.010*
111-44-4	*Bis(2-chloroethyl)ether*	*0.837*		*0.050*	*0.020*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*1.71*		*1.0*	*0.050*
85-68-7	*Butylbenzylphthalate*	*1.12*		*1.0*	*0.050*
218-01-9	*Chrysene*	*0.844*		*0.050*	*0.010*
53-70-3	*Dibenz(a,h)anthracene*	*0.921*		*0.050*	*0.020*
132-64-9	*Dibenzofuran*	*0.845*		*0.050*	*0.010*
84-66-2	*Diethylphthalate*	*0.964*	*J*	*1.0*	*0.050*
131-11-3	*Dimethylphthalate*	*0.815*	*J*	*1.0*	*0.050*
84-74-2	*Di-n-butyl phthalate*	*0.954*	*J*	*1.0*	*0.050*
117-84-0	*Di-n-octyl phthalate*	*0.900*	*J*	*1.0*	*0.050*
206-44-0	*Fluoranthene*	*0.872*		*0.050*	*0.010*
86-73-7	*Fluorene*	*0.806*		*0.050*	*0.010*
118-74-1	*Hexachlorobenzene*	*0.809*		*0.050*	*0.020*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*0.930*		*0.050*	*0.020*
91-20-3	*Naphthalene*	*0.617*		*0.070*	*0.030*
62-75-9	*N-Nitrosodimethylamine*	*0.614*		*0.050*	*0.020*
85-01-8	*Phenanthrene*	*0.862*		*0.070*	*0.030*
129-00-0	*Pyrene*	*0.781*		*0.050*	*0.010*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-288127/2-A

Matrix: Water Lab File ID: MH1503.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 08/21/2022 10:35

Sample wt/vol: 250(mL) Date Analyzed: 08/22/2022 08:01

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 288195 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	68		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	87		10-110
93951-69-0	Fluoranthene-d10 (Surr)	83		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1503.D
Lims ID: LCS 410-288127/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Aug-2022 08:01:20 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-288127/2-A
Misc. Info.: 410-0064632-004
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:28:39

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.841	1.819	0.048	87	23575	0.2500	0.1312	M
	2 N-Nitrosodimethylamine	74	2.117	2.078	0.039	89	33747	0.2500	0.1535	
	3 Bis(2-chloroethyl)ether	93	4.267	4.267	0.000	23	89602	0.2500	0.2093	M
*	4 1,4-Dichlorobenzene-d4	152	4.530	4.530	0.000	67	63888	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.717	5.717	0.000	93	244613	0.2500	0.2500	
	6 Naphthalene	128	5.729	5.729	0.000	94	188719	0.2500	0.1544	
	8 2-Methylnaphthalene	142	6.385	6.385	0.000	97	110181	0.2500	0.1463	
$	9 1-Methylnaphthalene-d10	152	6.444	6.444	0.000	99	95621	0.2500	0.1711	
	10 1-Methylnaphthalene	142	6.474	6.473	-0.009	100	109755	0.2500	0.1561	
	11 Dimethyl phthalate	163	7.124	7.124	0.000	75	115672	0.2500	0.2039	
	12 Acenaphthylene	152	7.242	7.242	0.000	100	171998	0.2500	0.1867	
*	13 Acenaphthene-d10	164	7.370	7.380	-0.010	98	114065	0.2500	0.2500	
	14 Acenaphthene	154	7.399	7.399	-0.010	71	106015	0.2500	0.1854	M
	15 Dibenzofuran	168	7.567	7.577	-0.010	94	183368	0.2500	0.2112	
	16 Diethyl phthalate	149	7.791	7.791	0.000	100	130921	0.2500	0.2409	
	17 Fluorene	166	7.892	7.892	0.000	98	135546	0.2500	0.2016	
	19 Hexachlorobenzene	284	8.407	8.415	-0.008	97	37122	0.2500	0.2022	
*	20 Phenanthrene-d10	188	8.782	8.790	-0.008	95	193976	0.2500	0.2500	
	21 Phenanthrene	178	8.805	8.813	-0.008	100	200382	0.2500	0.2154	
	22 Anthracene	178	8.860	8.860	0.000	100	182984	0.2500	0.2109	
	23 Di-n-butyl phthalate	149	9.350	9.357	-0.006	100	169989	0.2500	0.2385	
$	24 Fluoranthene-d10 (Surr)	212	9.921	9.927	-0.006	99	169799	0.2500	0.2078	
	25 Fluoranthene	202	9.939	9.946	-0.007	100	219627	0.2500	0.2179	
	26 Pyrene	202	10.153	10.159	-0.006	100	222337	0.2500	0.1953	
	27 Butyl benzyl phthalate	149	10.835	10.835	0.000	100	57441	0.2500	0.2812	
	28 Benzo[a]anthracene	228	11.441	11.449	0.000	100	195495	0.2500	0.2144	
*	29 Chrysene-d12	240	11.456	11.456	0.000	59	173909	0.2500	0.2500	
	30 Chrysene	228	11.479	11.487	-0.008	100	215109	0.2500	0.2110	
	31 Bis(2-ethylhexyl) phthalate	149	11.510	11.518	-0.008	100	140254	0.2500	0.4271	
	32 Di-n-octyl phthalate	149	12.384	12.392	-0.008	100	112008	0.2500	0.2249	
	33 Benzo[b]fluoranthene	252	12.860	12.860	0.000	100	202050	0.2500	0.2064	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.898	12.898	0.000	100	225043	0.2500	0.2154	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.282	13.312	-0.007	100	144763	0.2500	0.2173	
37 Benzo[a]pyrene	252	13.320	13.328	0.000	100	188172	0.2500	0.2108	
* 38 Perylene-d12	264	13.404	13.405	0.000	100	180195	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.025	15.067	-0.007	100	176370	0.2500	0.2324	M
41 Dibenz(a,h)anthracene	278	15.081	15.081	0.000	97	202962	0.2500	0.2304	
42 Benzo[g,h,i]perylene	276	15.491	15.491	0.000	98	222698	0.2500	0.2290	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

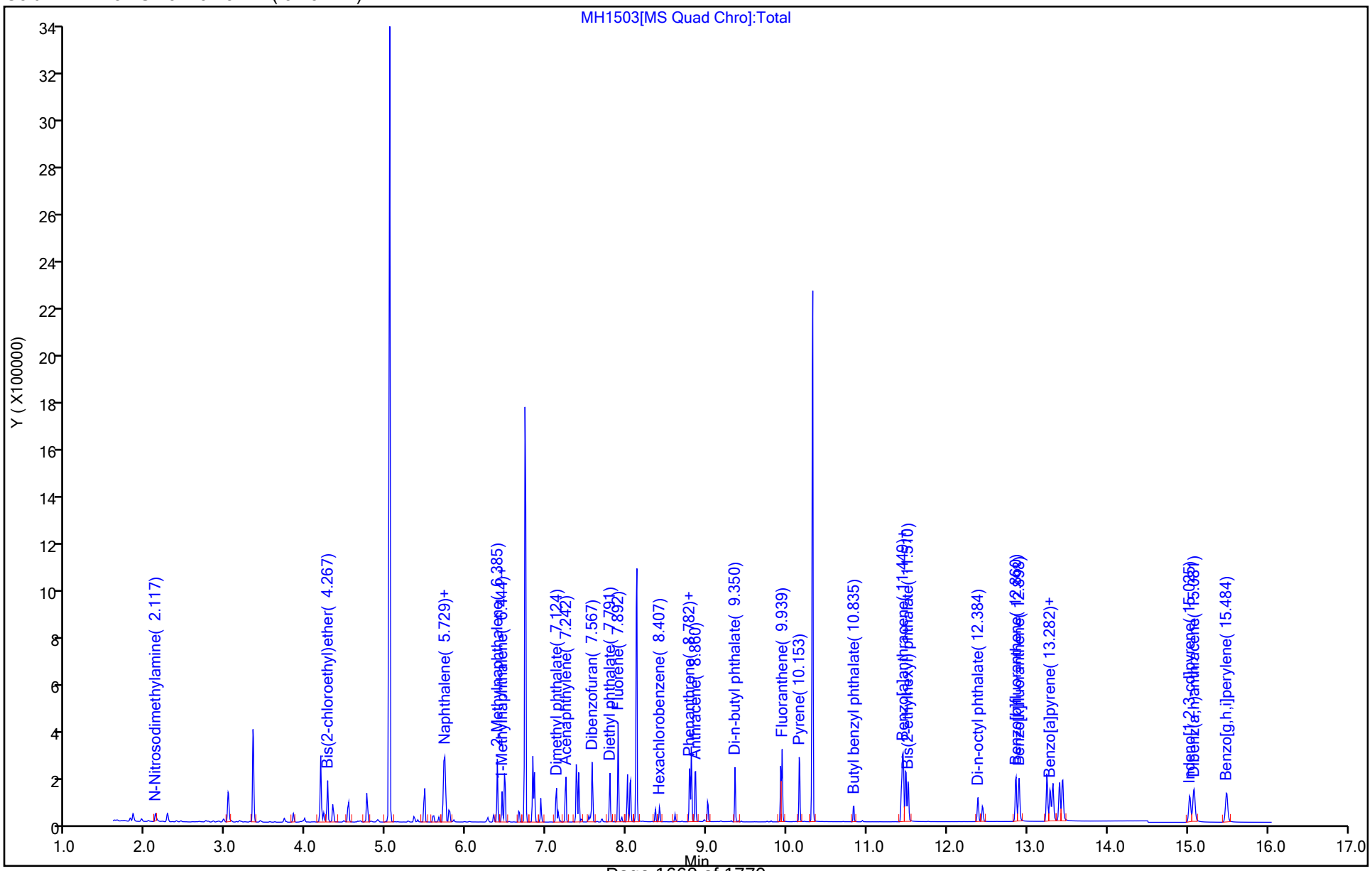
Report Date: 22-Aug-2022 19:18:42 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1503.D

Injection Date:	22-Aug-2022 08:01:20	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	LCS 410-288127/2-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1503.D
Lims ID: LCS 410-288127/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Aug-2022 08:01:20 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-288127/2-A
Misc. Info.: 410-0064632-004
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:28:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1711	68.42
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2078	83.11
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2173	86.93

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

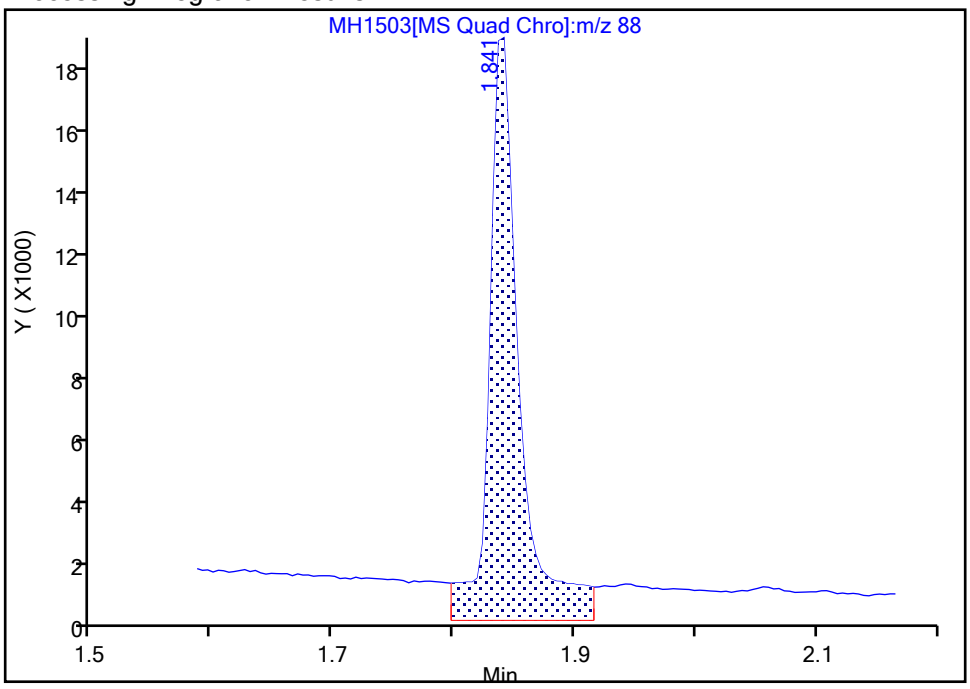
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1503.D				
Injection Date:	22-Aug-2022 08:01:20	Instrument ID:	HP21585		
Lims ID:	LCS 410-288127/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

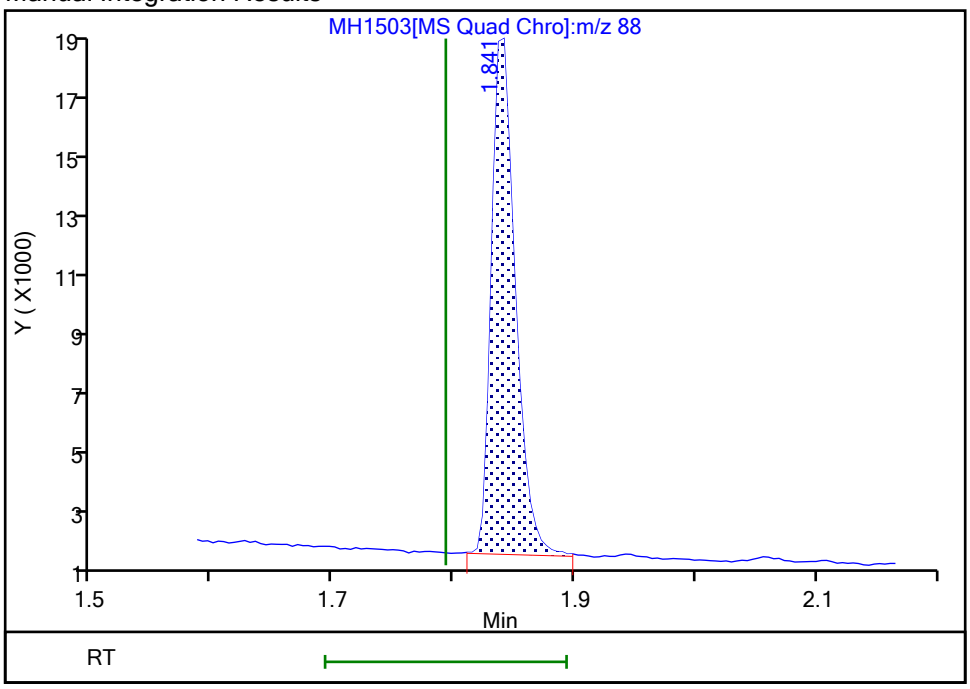
Processing Integration Results

RT: 1.84
Area: 31552
Amount: 0.175605
Amount Units: ug/ml



Manual Integration Results

RT: 1.84
Area: 23575
Amount: 0.131209
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:27:17

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

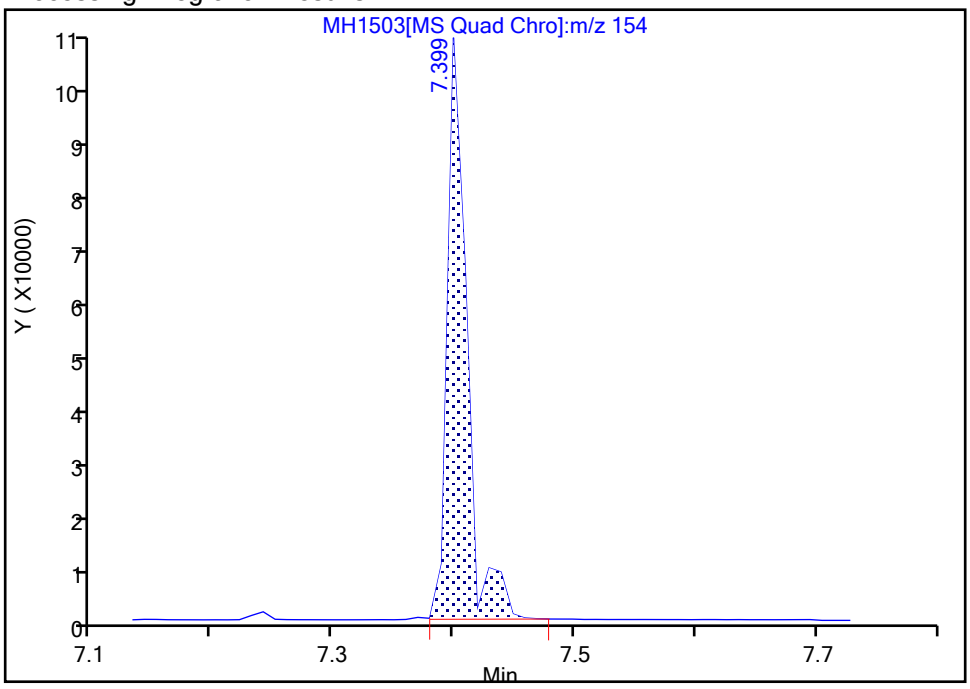
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1503.D				
Injection Date:	22-Aug-2022 08:01:20	Instrument ID:	HP21585		
Lims ID:	LCS 410-288127/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

14 Acenaphthene, CAS: 83-32-9

Signal: 1

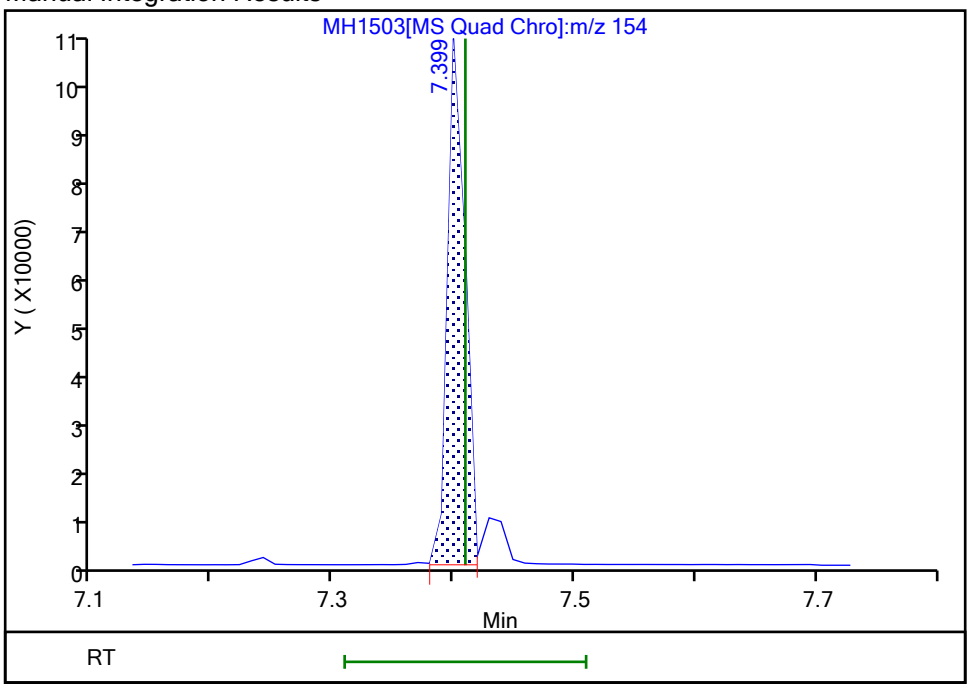
Processing Integration Results

RT: 7.40
Area: 117428
Amount: 0.205369
Amount Units: ug/ml



Manual Integration Results

RT: 7.40
Area: 106015
Amount: 0.185409
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:27:53

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

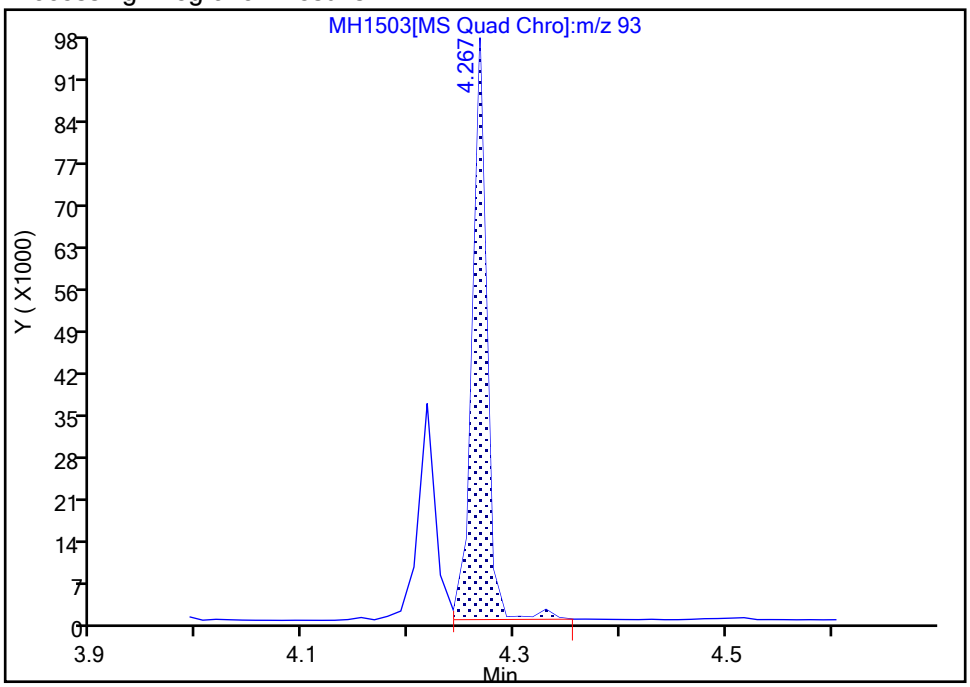
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1503.D				
Injection Date:	22-Aug-2022 08:01:20	Instrument ID:	HP21585		
Lims ID:	LCS 410-288127/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

3 Bis(2-chloroethyl)ether, CAS: 111-44-4

Signal: 1

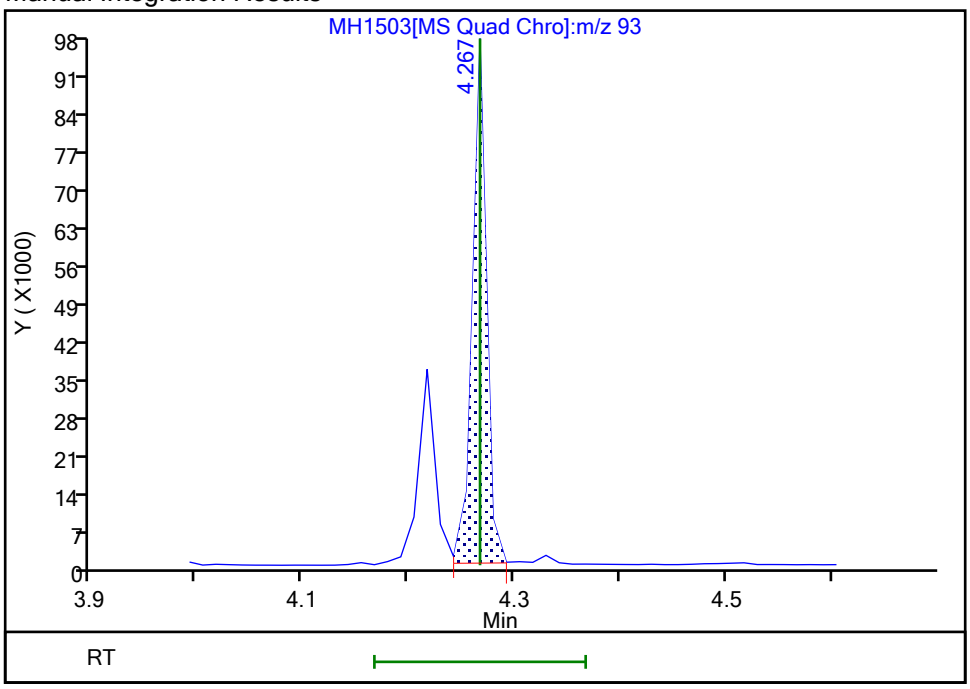
Processing Integration Results

RT: 4.27
Area: 92632
Amount: 0.216428
Amount Units: ug/ml



Manual Integration Results

RT: 4.27
Area: 89602
Amount: 0.209349
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:27:32

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

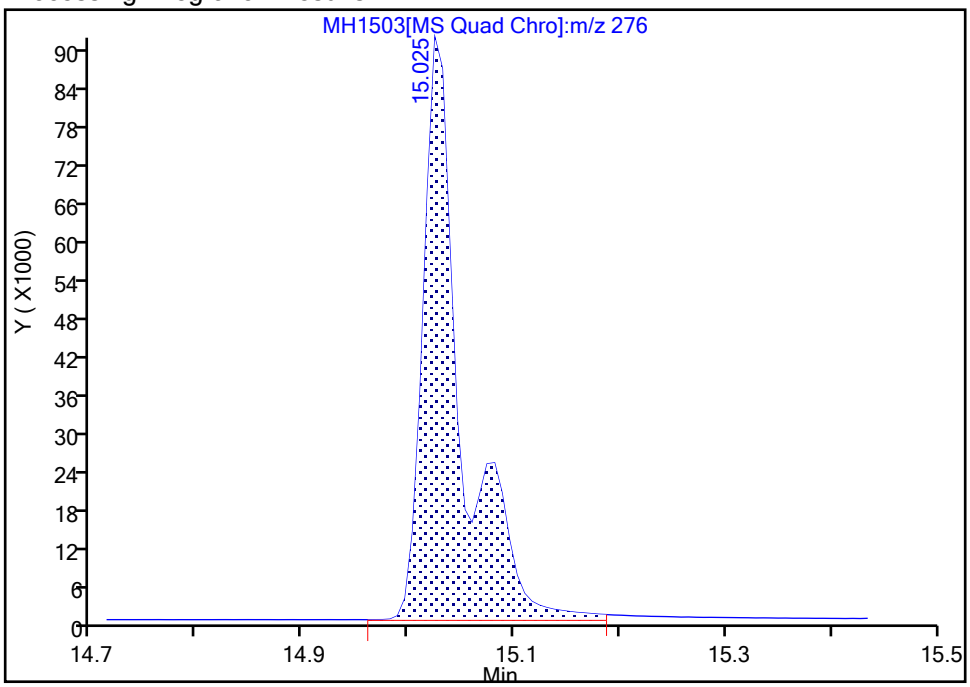
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1503.D				
Injection Date:	22-Aug-2022 08:01:20	Instrument ID:	HP21585		
Lims ID:	LCS 410-288127/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

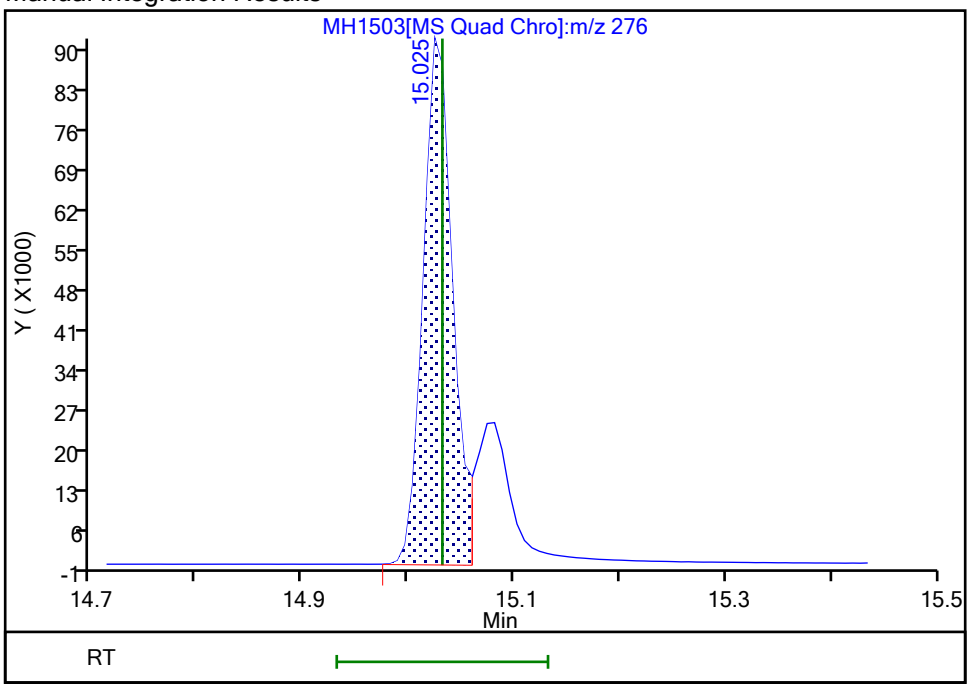
Processing Integration Results

RT: 15.02
Area: 234871
Amount: 0.309535
Amount Units: ug/ml



Manual Integration Results

RT: 15.02
Area: 176370
Amount: 0.232437
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:28:34

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-286366/3-A

Matrix: Water
Lab File ID: MH1257.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/16/2022 09:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/16/2022 20:28

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 286632
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.508		0.30	0.10
90-12-0	1-Methylnaphthalene	0.648		0.050	0.020
91-57-6	2-Methylnaphthalene	0.609		0.050	0.020
83-32-9	Acenaphthene	0.830		0.050	0.010
208-96-8	Acenaphthylene	0.730		0.050	0.010
120-12-7	Anthracene	0.819		0.050	0.010
56-55-3	Benzo[a]anthracene	0.849		0.050	0.010
50-32-8	Benzo[a]pyrene	0.834		0.050	0.010
205-99-2	Benzo[b]fluoranthene	0.815		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	0.867		0.050	0.010
207-08-9	Benzo[k]fluoranthene	0.900		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	0.859		0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	1.23		1.0	0.050
85-68-7	Butylbenzylphthalate	0.998	J	1.0	0.050
218-01-9	Chrysene	0.852		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	0.861		0.050	0.020
132-64-9	Dibenzofuran	0.834		0.050	0.010
84-66-2	Diethylphthalate	0.879	J	1.0	0.050
131-11-3	Dimethylphthalate	0.772	J	1.0	0.050
84-74-2	Di-n-butyl phthalate	0.911	J	1.0	0.050
117-84-0	Di-n-octyl phthalate	0.842	J	1.0	0.050
206-44-0	Fluoranthene	0.826		0.050	0.010
86-73-7	Fluorene	0.802		0.050	0.010
118-74-1	Hexachlorobenzene	0.836		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.867		0.050	0.020
91-20-3	Naphthalene	0.641		0.070	0.030
62-75-9	N-Nitrosodimethylamine	0.681		0.050	0.020
85-01-8	Phenanthrene	0.857		0.070	0.030
129-00-0	Pyrene	0.818		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-286366/3-A

Matrix: Water
Lab File ID: MH1257.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/16/2022 09:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/16/2022 20:28

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 286632
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	67		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	88		10-110
93951-69-0	Fluoranthene-d10 (Surr)	80		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1257.D
Lims ID: LCSD 410-286366/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 16-Aug-2022 20:28:06 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-286366/3-A
Misc. Info.: 410-0064300-008
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 17-Aug-2022 03:47:00 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: UJM0 Date: 17-Aug-2022 03:34:21

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.833	1.824	0.022	88	26626	0.2500	0.1269	M
	2 N-Nitrosodimethylamine	74	2.117	2.095	0.022	88	43725	0.2500	0.1702	
	3 Bis(2-chloroethyl)ether	93	4.280	4.280	0.000	84	108656	0.2500	0.2148	
*	4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	91	74618	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.730	5.729	0.001	91	289148	0.2500	0.2500	
	6 Naphthalene	128	5.742	5.742	0.000	93	231459	0.2500	0.1602	
	8 2-Methylnaphthalene	142	6.396	6.396	0.000	97	135411	0.2500	0.1521	
$	9 1-Methylnaphthalene-d10	152	6.455	6.456	0.000	98	110456	0.2500	0.1672	
	10 1-Methylnaphthalene	142	6.485	6.495	-0.010	100	134565	0.2500	0.1619	
	11 Dimethyl phthalate	163	7.125	7.135	-0.010	80	130636	0.2500	0.1929	
	12 Acenaphthylene	152	7.253	7.253	0.000	95	200586	0.2500	0.1824	
*	13 Acenaphthene-d10	164	7.381	7.381	0.000	96	136114	0.2500	0.2500	
	14 Acenaphthene	154	7.411	7.411	0.000	89	141620	0.2500	0.2076	
	15 Dibenzofuran	168	7.578	7.578	0.000	97	215976	0.2500	0.2084	
	16 Diethyl phthalate	149	7.800	7.793	0.000	99	142545	0.2500	0.2198	
	17 Fluorene	166	7.901	7.901	0.000	97	160916	0.2500	0.2005	
	19 Hexachlorobenzene	284	8.417	8.417	-0.007	97	46054	0.2500	0.2089	
*	20 Phenanthrene-d10	188	8.791	8.799	-0.008	95	232931	0.2500	0.2500	
	21 Phenanthrene	178	8.815	8.807	0.000	100	239329	0.2500	0.2142	
	22 Anthracene	178	8.861	8.861	-0.008	100	213314	0.2500	0.2047	
	23 Di-n-butyl phthalate	149	9.358	9.358	-0.006	100	194958	0.2500	0.2278	
$	24 Fluoranthene-d10 (Surr)	212	9.929	9.935	-0.007	99	195806	0.2500	0.1995	
	25 Fluoranthene	202	9.947	9.939	0.000	100	250015	0.2500	0.2066	
	26 Pyrene	202	10.160	10.160	-0.007	100	248482	0.2500	0.2045	
	27 Butyl benzyl phthalate	149	10.837	10.844	-0.007	100	53288	0.2500	0.2495	
	28 Benzo[a]anthracene	228	11.450	11.458	0.000	100	206696	0.2500	0.2123	
*	29 Chrysene-d12	240	11.466	11.466	0.000	59	185655	0.2500	0.2500	
	30 Chrysene	228	11.489	11.496	-0.007	100	231784	0.2500	0.2130	
	31 Bis(2-ethylhexyl) phthalate	149	11.519	11.519	-0.008	100	103516	0.2500	0.3082	
	32 Di-n-octyl phthalate	149	12.394	12.394	-0.007	100	100502	0.2500	0.2105	M
	33 Benzo[b]fluoranthene	252	12.869	12.870	-0.008	100	194481	0.2500	0.2038	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.908	12.908	-0.007	100	229169	0.2500	0.2251	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.299	13.291	0.000	100	142561	0.2500	0.2196	
37 Benzo[a]pyrene	252	13.329	13.329	-0.008	100	181492	0.2500	0.2086	
* 38 Perylene-d12	264	13.414	13.421	-0.007	100	175629	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.040	15.047	-0.007	100	160294	0.2500	0.2167	M
41 Dibenz(a,h)anthracene	278	15.096	15.095	-0.007	95	184904	0.2500	0.2153	
42 Benzo[g,h,i]perylene	276	15.506	15.504	-0.007	98	205498	0.2500	0.2168	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

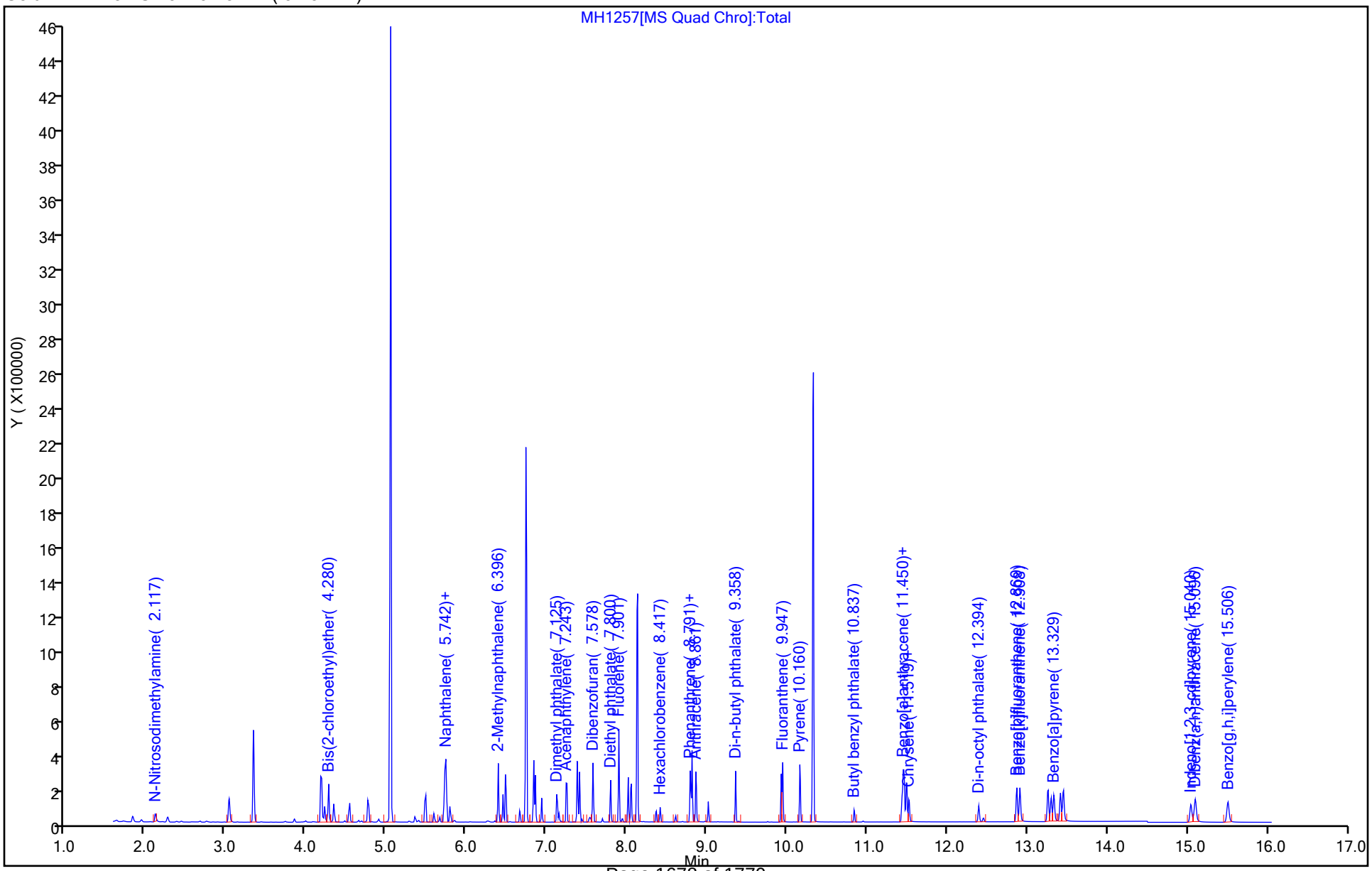
Report Date: 17-Aug-2022 03:47:26 Chrom Revision: 2.3 16-Aug-2022 20:53:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1257.D

Injection Date:	16-Aug-2022 20:28:06	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	LCSD 410-286366/3-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1257.D				
Lims ID:	LCSD 410-286366/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	16-Aug-2022 20:28:06	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 410-286366/3-A				
Misc. Info.:	410-0064300-008				
Operator ID:	kel10217	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	17-Aug-2022 03:47:00	Calib Date:	28-Jul-2022 21:32:00		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1601				

First Level Reviewer: UJM0 Date: 17-Aug-2022 03:34:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1672	66.86
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1995	79.81
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2196	87.83

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

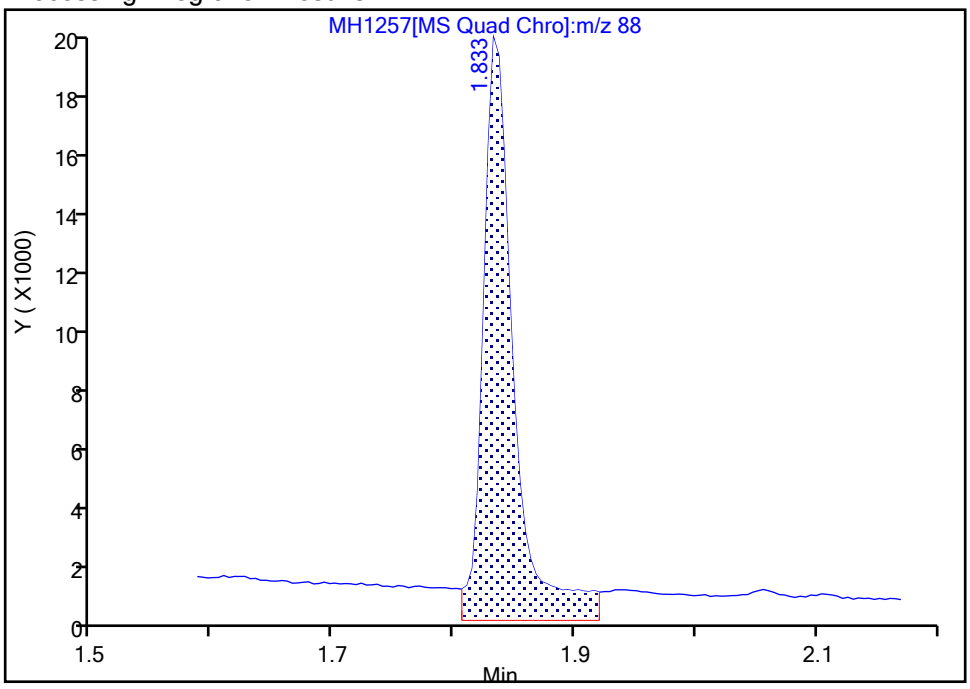
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1257.D				
Injection Date:	16-Aug-2022 20:28:06	Instrument ID:	HP21585		
Lims ID:	LCSD 410-286366/3-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

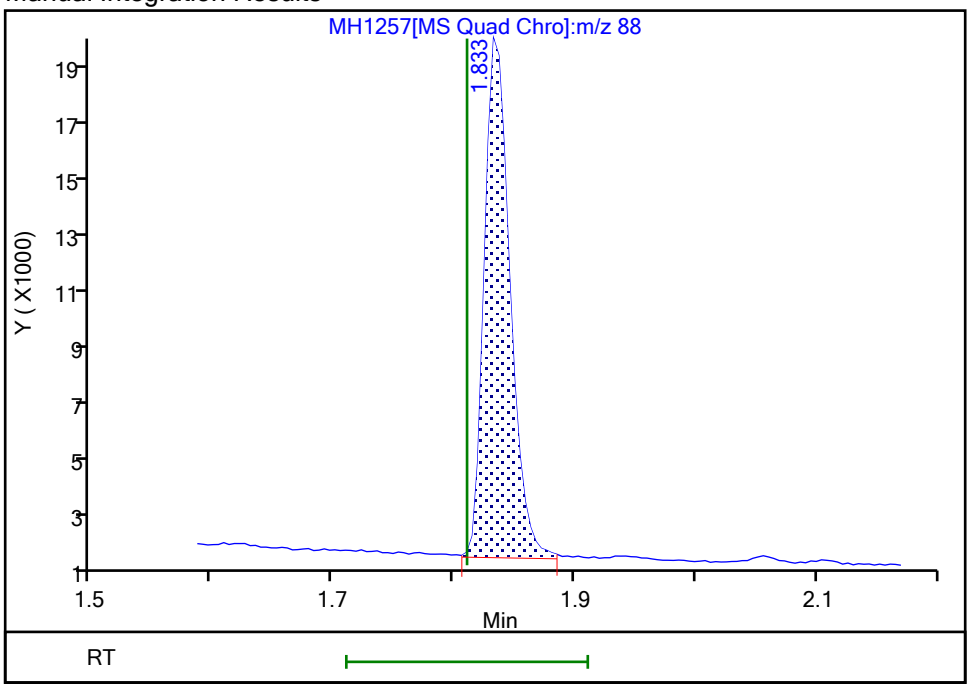
Processing Integration Results

RT: 1.83
Area: 33063
Amount: 0.157554
Amount Units: ug/ml



Manual Integration Results

RT: 1.83
Area: 26626
Amount: 0.126880
Amount Units: ug/ml



Reviewer: UJM0, 17-Aug-2022 03:33:48

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

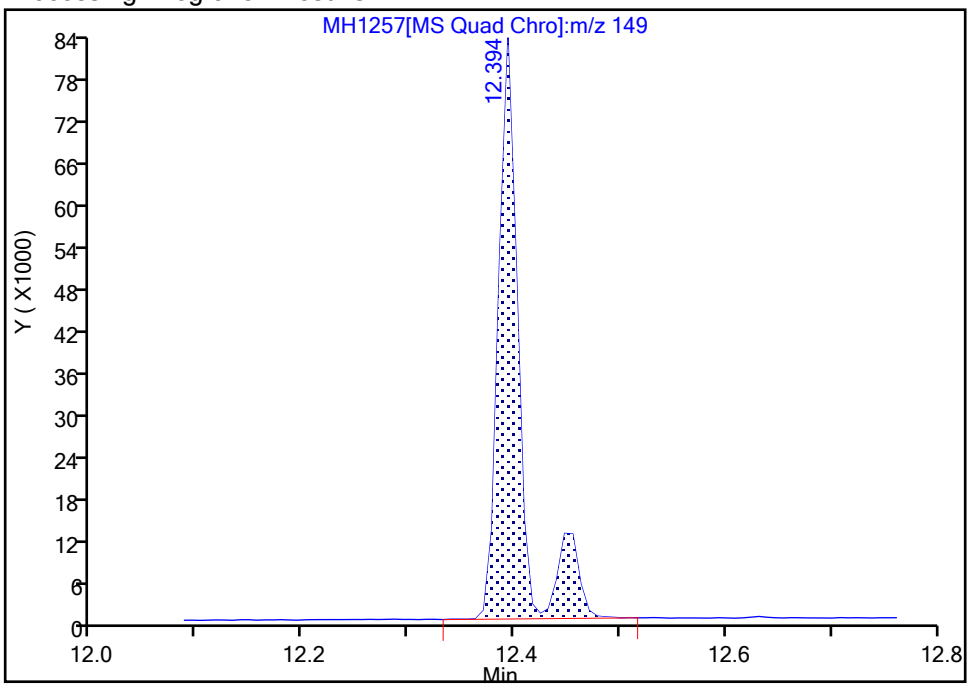
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1257.D				
Injection Date:	16-Aug-2022 20:28:06	Instrument ID:	HP21585		
Lims ID:	LCSD 410-286366/3-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

32 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 1

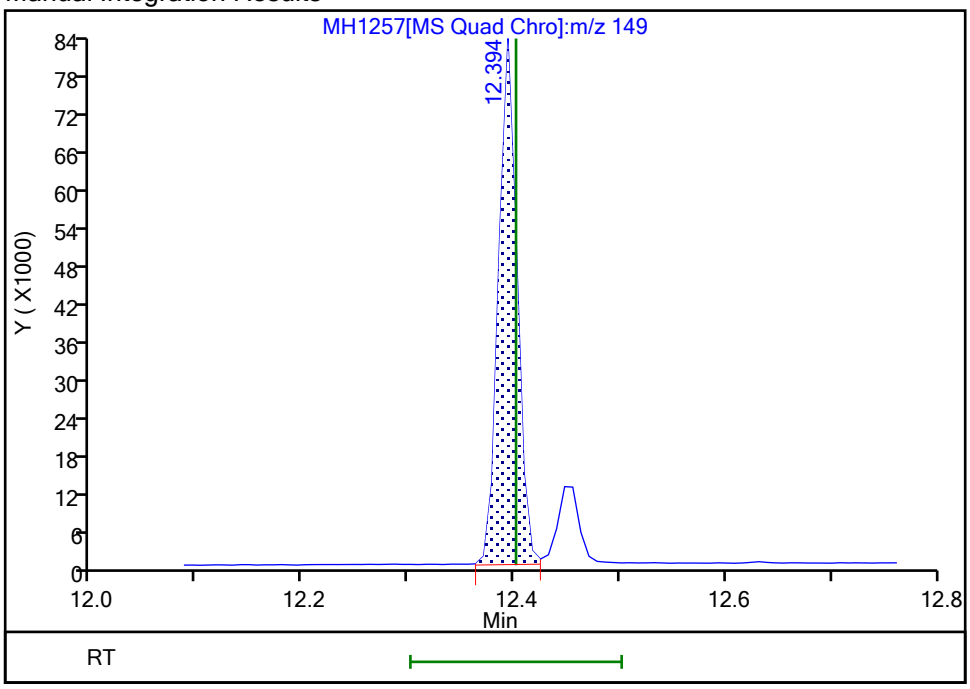
Processing Integration Results

RT: 12.39
Area: 117737
Amount: 0.239236
Amount Units: ug/ml



Manual Integration Results

RT: 12.39
Area: 100502
Amount: 0.210452
Amount Units: ug/ml



Reviewer: UJM0, 17-Aug-2022 03:34:06

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

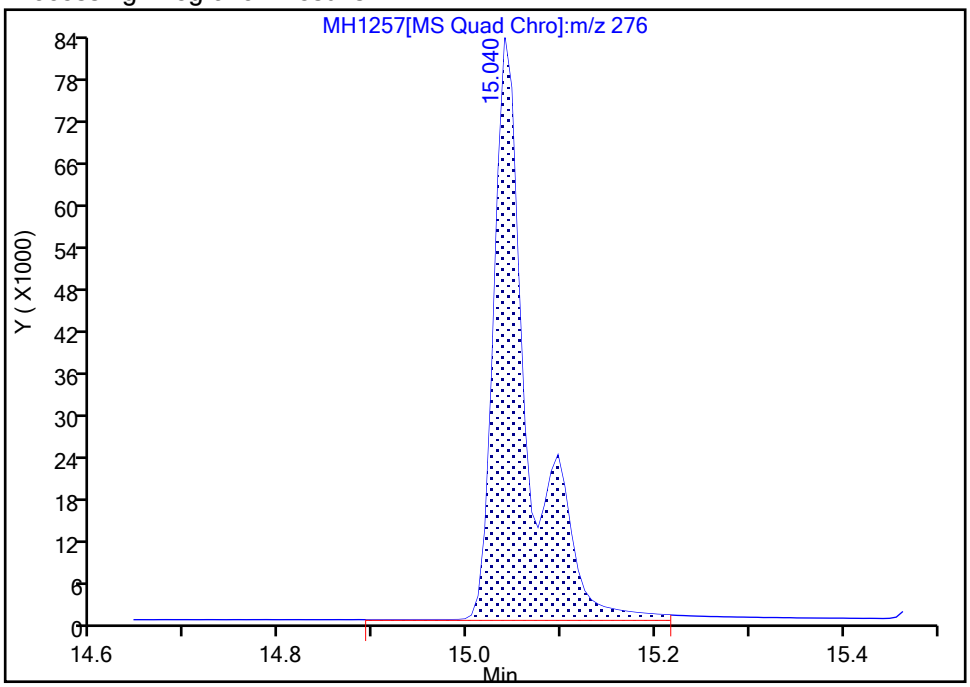
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220816-64300.b\MH1257.D				
Injection Date:	16-Aug-2022 20:28:06	Instrument ID:	HP21585		
Lims ID:	LCSD 410-286366/3-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

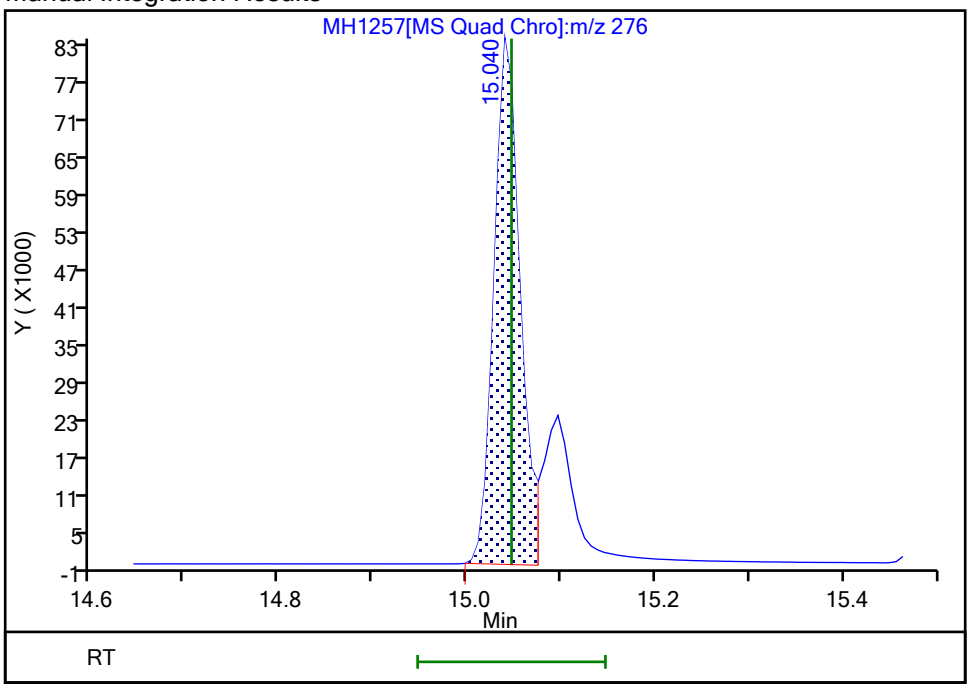
Processing Integration Results

RT: 15.04
Area: 216079
Amount: 0.292173
Amount Units: ug/ml



Manual Integration Results

RT: 15.04
Area: 160294
Amount: 0.216743
Amount Units: ug/ml



Reviewer: UJM0, 17-Aug-2022 03:34:19

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-287248/3-A

Matrix: Water
Lab File ID: MH1407.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 250(mL)
Date Analyzed: 08/18/2022 21:57

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287573
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.429		0.30	0.10
90-12-0	1-Methylnaphthalene	0.566		0.050	0.020
91-57-6	2-Methylnaphthalene	0.547		0.050	0.020
83-32-9	Acenaphthene	0.738		0.050	0.010
208-96-8	Acenaphthylene	0.625		0.050	0.010
120-12-7	Anthracene	0.711		0.050	0.010
56-55-3	Benzo[a]anthracene	0.741		0.050	0.010
50-32-8	Benzo[a]pyrene	0.722		0.050	0.010
205-99-2	Benzo[b]fluoranthene	0.718		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	0.663		0.050	0.010
207-08-9	Benzo[k]fluoranthene	0.796		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	0.757		0.050	0.020
85-68-7	Butylbenzylphthalate	0.669	J	1.0	0.050
218-01-9	Chrysene	0.743		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	0.657		0.050	0.020
132-64-9	Dibenzofuran	0.710		0.050	0.010
84-66-2	Diethylphthalate	0.609	J	1.0	0.050
131-11-3	Dimethylphthalate	0.327	J	1.0	0.050
117-84-0	Di-n-octyl phthalate	0.853	J	1.0	0.050
206-44-0	Fluoranthene	0.746		0.050	0.010
86-73-7	Fluorene	0.684		0.050	0.010
118-74-1	Hexachlorobenzene	0.731		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.664		0.050	0.020
91-20-3	Naphthalene	0.567		0.070	0.030
62-75-9	N-Nitrosodimethylamine	0.620		0.050	0.020
85-01-8	Phenanthrene	0.732		0.070	0.030
129-00-0	Pyrene	0.714		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-287248/3-A

Matrix: Water Lab File ID: MH1407.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 250(mL) Date Analyzed: 08/18/2022 21:57

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287573 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	59		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	75		10-110
93951-69-0	Fluoranthene-d10 (Surr)	70		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1407.D
Lims ID: LCSD 410-287248/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 18-Aug-2022 21:57:45 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-287248/3-A
Misc. Info.: 410-0064495-008
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 04:32:18 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 03:42:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.828	1.811	0.017	88	21704	0.2500	0.1073	M
2 N-Nitrosodimethylamine	74	2.117	2.100	0.017	89	38370	0.2500	0.1549	
3 Bis(2-chloroethyl)ether	93	4.280	4.280	0.000	93	90336	0.2500	0.1891	
* 4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	81	71954	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.729	5.729	0.000	91	272977	0.2500	0.2500	
6 Naphthalene	128	5.742	5.742	0.000	93	193433	0.2500	0.1418	
8 2-Methylnaphthalene	142	6.396	6.396	0.000	97	114807	0.2500	0.1366	
$ 9 1-Methylnaphthalene-d10	152	6.455	6.455	0.000	96	91877	0.2500	0.1473	
10 1-Methylnaphthalene	142	6.485	6.485	0.000	100	111086	0.2500	0.1416	
11 Dimethyl phthalate	163	7.125	7.135	-0.010	80	54839	0.2500	0.0819	
12 Acenaphthylene	152	7.253	7.253	0.000	92	169917	0.2500	0.1562	M
* 13 Acenaphthene-d10	164	7.381	7.381	0.000	93	134685	0.2500	0.2500	
14 Acenaphthene	154	7.411	7.411	0.000	89	124564	0.2500	0.1845	
15 Dibenzofuran	168	7.578	7.578	0.000	97	182076	0.2500	0.1776	
16 Diethyl phthalate	149	7.800	7.793	0.000	99	97760	0.2500	0.1523	
17 Fluorene	166	7.901	7.901	0.000	98	135685	0.2500	0.1709	
19 Hexachlorobenzene	284	8.416	8.417	-0.008	97	39383	0.2500	0.1828	
* 20 Phenanthrene-d10	188	8.791	8.799	-0.008	95	227688	0.2500	0.2500	
21 Phenanthrene	178	8.815	8.807	0.000	100	199785	0.2500	0.1830	
22 Anthracene	178	8.861	8.861	-0.008	100	181056	0.2500	0.1778	
23 Di-n-butyl phthalate	149	9.358	9.356	-0.006	100	3620789	0.2500	4.33	
$ 24 Fluoranthene-d10 (Surr)	212	9.928	9.926	-0.007	99	168038	0.2500	0.1752	
25 Fluoranthene	202	9.947	9.945	-0.006	100	220539	0.2500	0.1864	
26 Pyrene	202	10.160	10.167	-0.007	100	220944	0.2500	0.1786	
27 Butyl benzyl phthalate	149	10.837	10.844	-0.007	100	33143	0.2500	0.1672	
28 Benzo[a]anthracene	228	11.450	11.458	-0.008	100	183596	0.2500	0.1852	
* 29 Chrysene-d12	240	11.466	11.466	0.000	59	189024	0.2500	0.2500	
30 Chrysene	228	11.496	11.496	0.000	100	205852	0.2500	0.1858	
31 Bis(2-ethylhexyl) phthalate	149	11.519	11.527	-0.008	100	150247	0.2500	0.4216	
32 Di-n-octyl phthalate	149	12.394	12.394	-0.007	100	108994	0.2500	0.2134	
33 Benzo[b]fluoranthene	252	12.869	12.862	0.000	100	182589	0.2500	0.1795	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.907	12.908	-0.008	100	216040	0.2500	0.1990	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.299	13.299	-0.007	100	129642	0.2500	0.1873	
37 Benzo[a]pyrene	252	13.329	13.329	-0.008	100	167532	0.2500	0.1806	
* 38 Perylene-d12	264	13.414	13.421	-0.007	100	187233	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.047	15.038	0.000	100	130859	0.2500	0.1660	M
41 Dibenz(a,h)anthracene	278	15.096	15.095	-0.007	97	150260	0.2500	0.1641	
42 Benzo[g,h,i]perylene	276	15.506	15.504	-0.007	98	167633	0.2500	0.1659	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

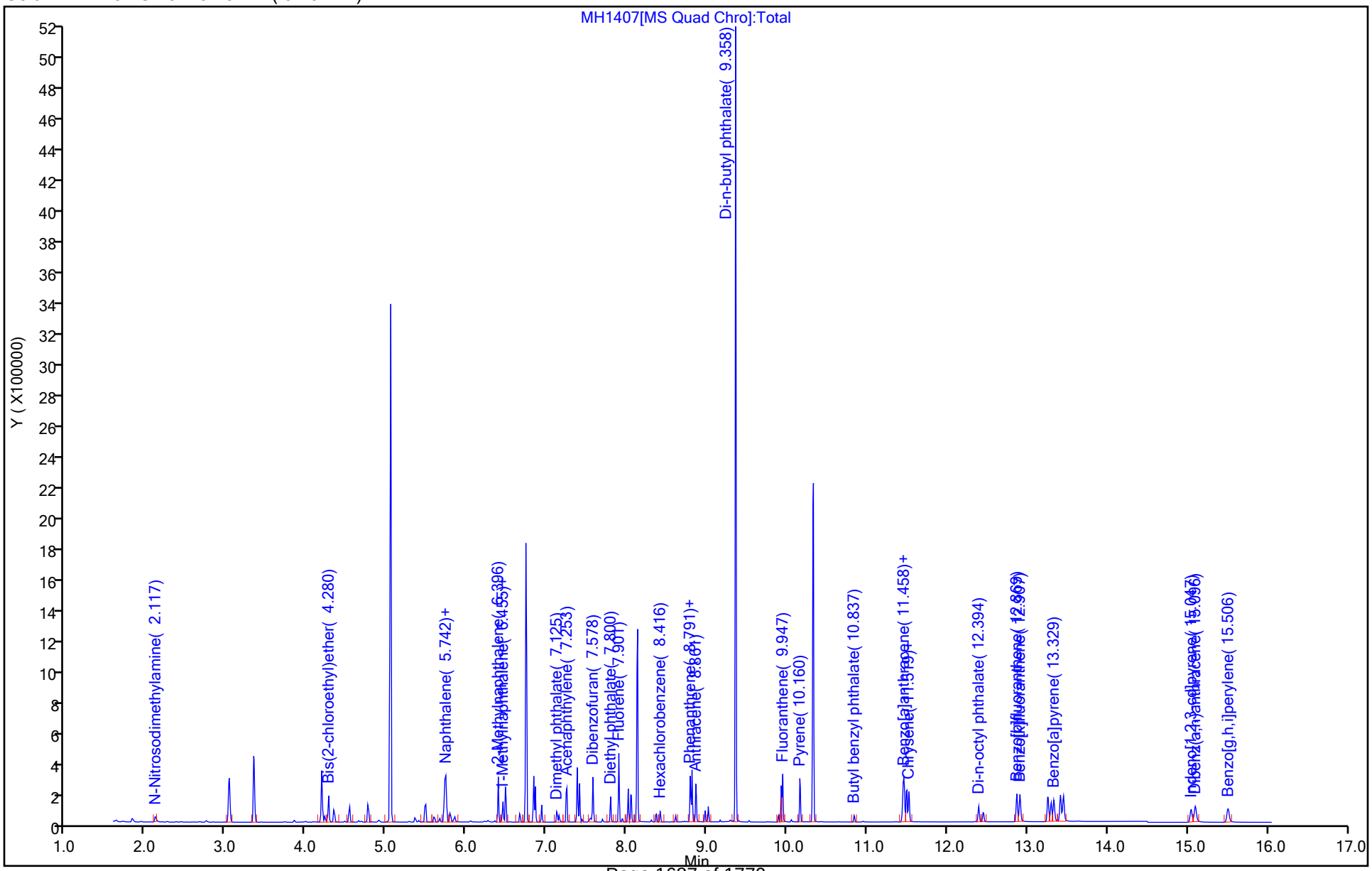
Report Date: 19-Aug-2022 06:43:37 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1407.D

Injection Date:	18-Aug-2022 21:57:45	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	LCSD 410-287248/3-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1407.D				
Lims ID:	LCSD 410-287248/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	18-Aug-2022 21:57:45	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 410-287248/3-A				
Misc. Info.:	410-0064495-008				
Operator ID:	kel10217	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	19-Aug-2022 04:32:18	Calib Date:	28-Jul-2022 21:32:00		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1625				

First Level Reviewer: UJM0 Date: 19-Aug-2022 03:42:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1473	58.91
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1752	70.07
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1873	74.92

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

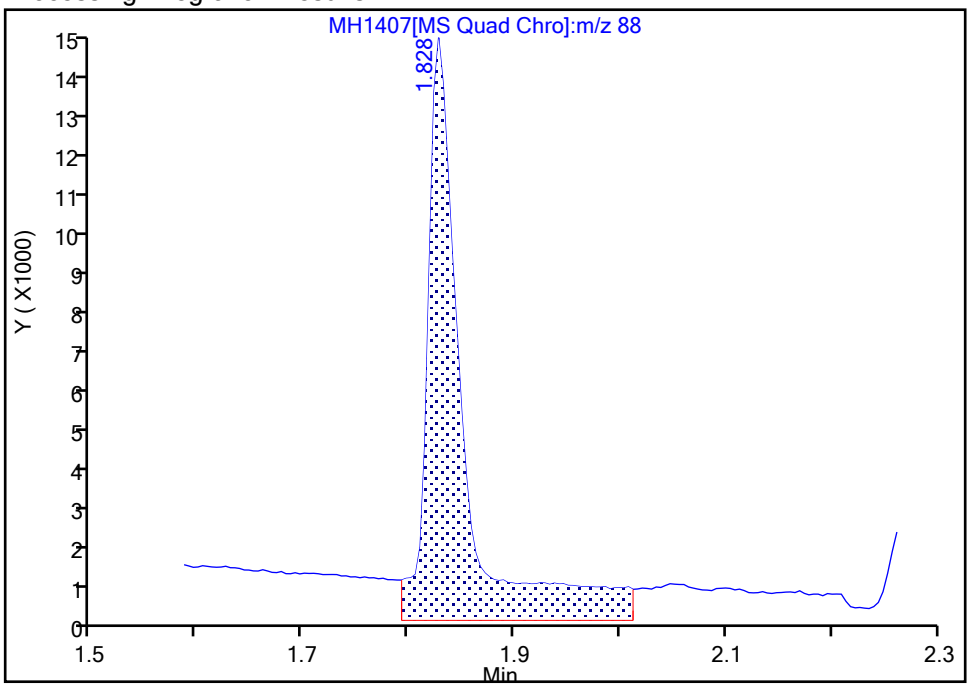
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1407.D				
Injection Date:	18-Aug-2022 21:57:45	Instrument ID:	HP21585		
Lims ID:	LCSD 410-287248/3-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

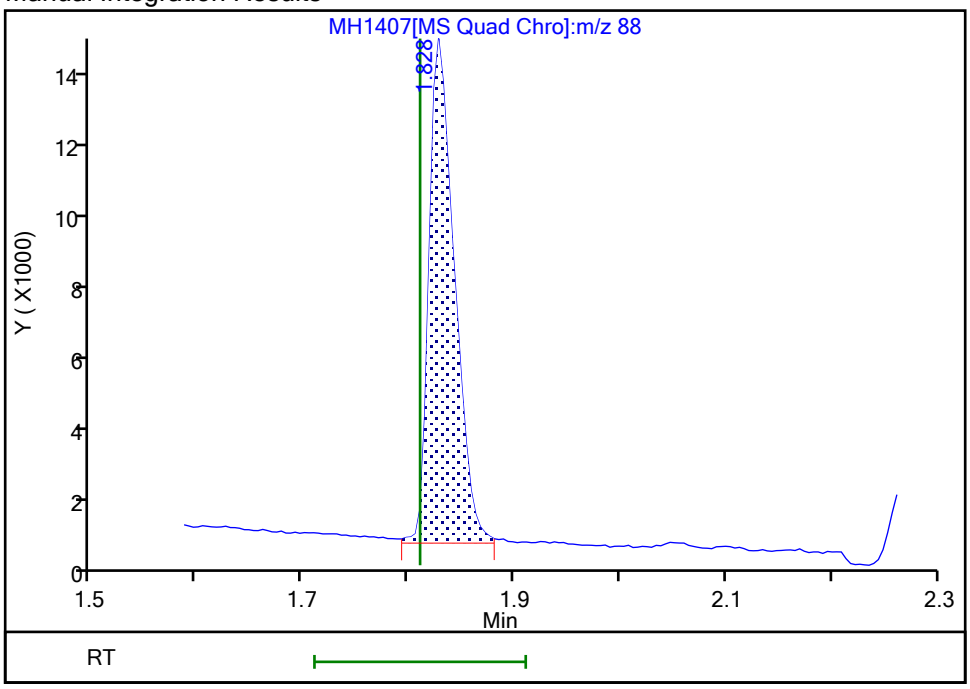
Processing Integration Results

RT: 1.83
Area: 32842
Amount: 0.162295
Amount Units: ug/ml



Manual Integration Results

RT: 1.83
Area: 21704
Amount: 0.107254
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 03:41:48
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

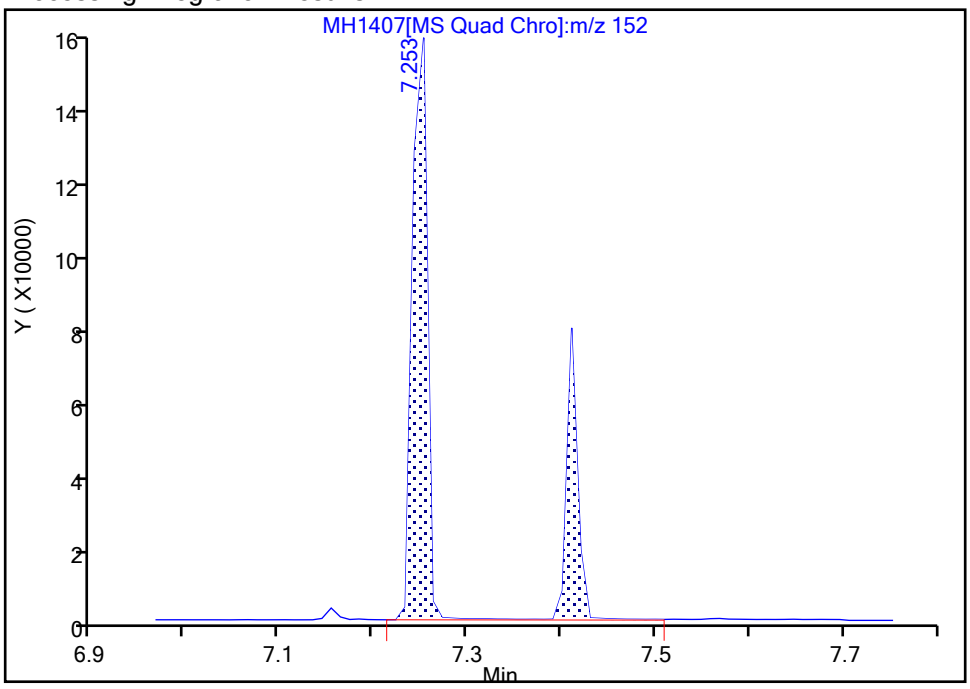
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1407.D				
Injection Date:	18-Aug-2022 21:57:45	Instrument ID:	HP21585		
Lims ID:	LCSD 410-287248/3-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

12 Acenaphthylene, CAS: 208-96-8

Signal: 1

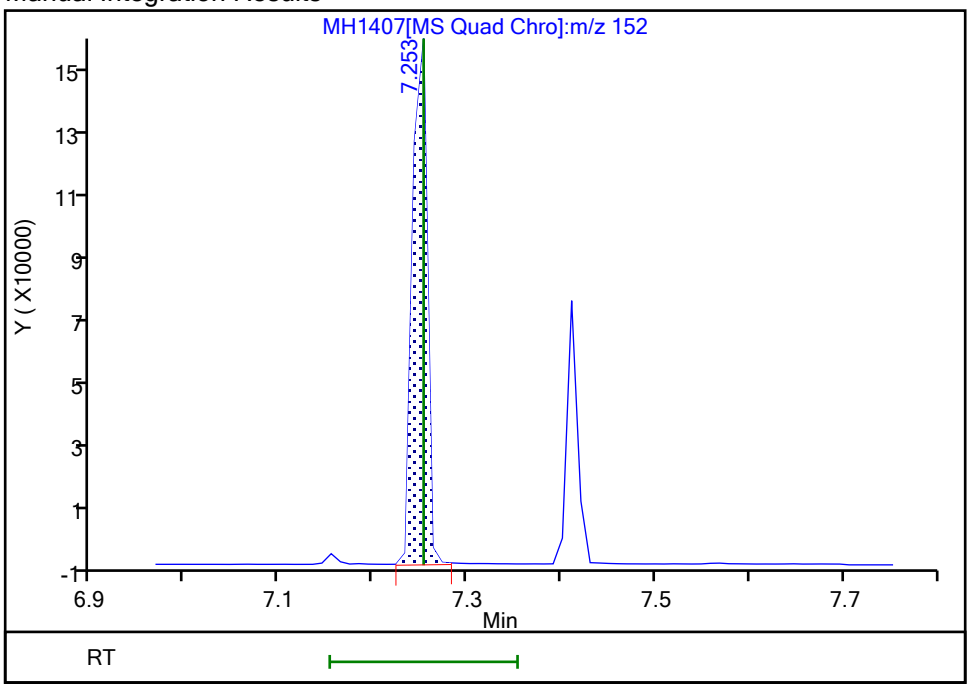
Processing Integration Results

RT: 7.25
Area: 233455
Amount: 0.214600
Amount Units: ug/ml



Manual Integration Results

RT: 7.25
Area: 169917
Amount: 0.156194
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 03:41:57

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

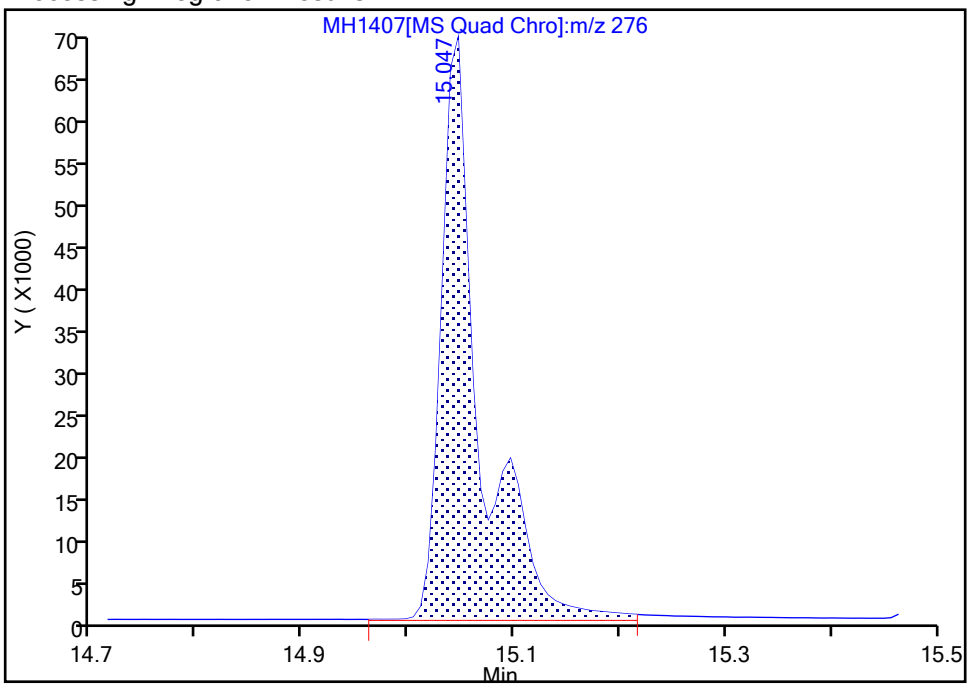
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1407.D				
Injection Date:	18-Aug-2022 21:57:45	Instrument ID:	HP21585		
Lims ID:	LCSD 410-287248/3-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

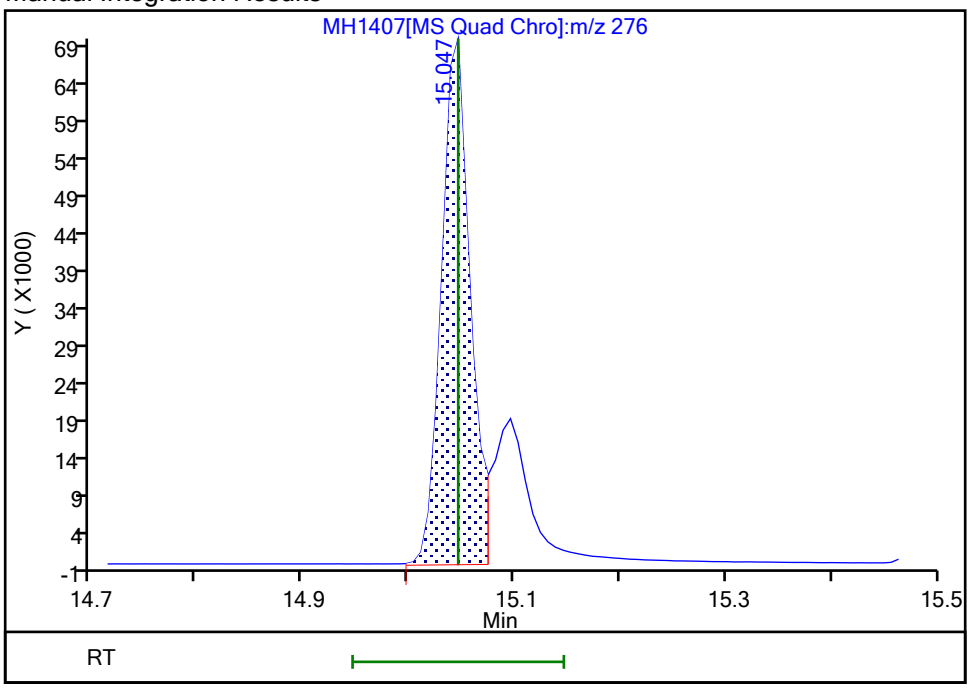
Processing Integration Results

RT: 15.05
Area: 179238
Amount: 0.227337
Amount Units: ug/ml



Manual Integration Results

RT: 15.05
Area: 130859
Amount: 0.165976
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 03:41:41

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-287248/3-A

Matrix: Water
Lab File ID: NH1304.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 250(mL)
Date Analyzed: 08/19/2022 05:58

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287637
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	1.38		1.0	0.050
84-74-2	Di-n-butyl phthalate	13.8		1.0	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	60		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	74		10-110
93951-69-0	Fluoranthene-d10 (Surr)	68		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1304.D
Lims ID: LCSD 410-287248/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 19-Aug-2022 05:58:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-287248/3-A
Misc. Info.: 410-0064507-005
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:25:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.508	1.486	0.022	93	15819	0.2500	0.0917	M
2 N-Nitrosodimethylamine	74	1.841	1.809	0.027	90	28032	0.2500	0.1465	
3 Bis(2-chloroethyl)ether	93	4.105	4.105	0.000	92	65759	0.2500	0.1595	
* 4 1,4-Dichlorobenzene-d4	152	4.355	4.367	-0.012	83	62135	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.579	5.579	0.000	100	214501	0.2500	0.2500	
6 Naphthalene	128	5.592	5.592	0.000	89	153708	0.2500	0.1431	
8 2-Methylnaphthalene	142	6.254	6.254	0.000	96	94427	0.2500	0.1463	
$ 9 1-Methylnaphthalene-d10	152	6.314	6.314	0.000	100	69569	0.2500	0.1488	
10 1-Methylnaphthalene	142	6.344	6.344	0.000	97	87175	0.2500	0.1487	
11 Dimethyl phthalate	163	7.005	6.986	0.010	98	40265	0.2500	0.0938	
12 Acenaphthylene	152	7.106	7.096	0.000	99	139963	0.2500	0.1586	
* 13 Acenaphthene-d10	164	7.246	7.246	0.000	94	95698	0.2500	0.2500	
14 Acenaphthene	154	7.266	7.256	0.000	95	78590	0.2500	0.1492	
15 Dibenzofuran	168	7.436	7.426	0.000	76	130113	0.2500	0.1607	M
16 Diethyl phthalate	149	7.672	7.672	0.008	97	78938	0.2500	0.1815	
17 Fluorene	166	7.765	7.754	0.000	99	97628	0.2500	0.1670	
19 Hexachlorobenzene	284	8.274	8.274	0.000	99	30637	0.2500	0.1588	
* 20 Phenanthrene-d10	188	8.653	8.653	0.000	100	161077	0.2500	0.2500	
21 Phenanthrene	178	8.668	8.668	0.000	100	140257	0.2500	0.1646	
22 Anthracene	178	8.722	8.722	0.000	100	129011	0.2500	0.1606	
23 Di-n-butyl phthalate	149	9.227	9.227	0.000	100	2060018	0.2500	3.45	M
$ 24 Fluoranthene-d10 (Surr)	212	9.785	9.785	0.000	97	110988	0.2500	0.1702	
25 Fluoranthene	202	9.798	9.798	0.000	99	137786	0.2500	0.1691	
26 Pyrene	202	10.011	10.018	0.000	99	145535	0.2500	0.1559	
27 Butyl benzyl phthalate	149	10.674	10.681	0.000	100	26472	0.2500	0.1105	
28 Benzo[a]anthracene	228	11.249	11.257	-0.001	95	120597	0.2500	0.1806	
* 29 Chrysene-d12	240	11.257	11.257	0.000	99	115631	0.2500	0.2500	
30 Chrysene	228	11.288	11.295	0.000	100	121369	0.2500	0.1597	
31 Bis(2-ethylhexyl) phthalate	149	11.326	11.334	0.000	98	107171	0.2500	0.3450	
32 Di-n-octyl phthalate	149	12.162	12.162	0.000	97	91770	0.2500	0.1910	
33 Benzo[b]fluoranthene	252	12.607	12.607	0.000	100	124871	0.2500	0.2111	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.645	12.645	0.000	100	134985	0.2500	0.1769	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.021	13.021	0.000	99	79623	0.2500	0.1844	
37 Benzo[a]pyrene	252	13.052	13.052	0.000	100	106139	0.2500	0.1689	
* 38 Perylene-d12	264	13.136	13.136	0.000	96	114282	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.674	14.674	-0.001	97	90287	0.2500	0.2138	
41 Dibenz(a,h)anthracene	278	14.717	14.717	0.000	98	97841	0.2500	0.1969	
42 Benzo[g,h,i]perylene	276	15.091	15.091	0.000	98	117806	0.2500	0.1967	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 19-Aug-2022 08:31:02 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1304.D

Injection Date: 19-Aug-2022 05:58:30 Instrument ID: HP23263 Operator ID: jmg00346

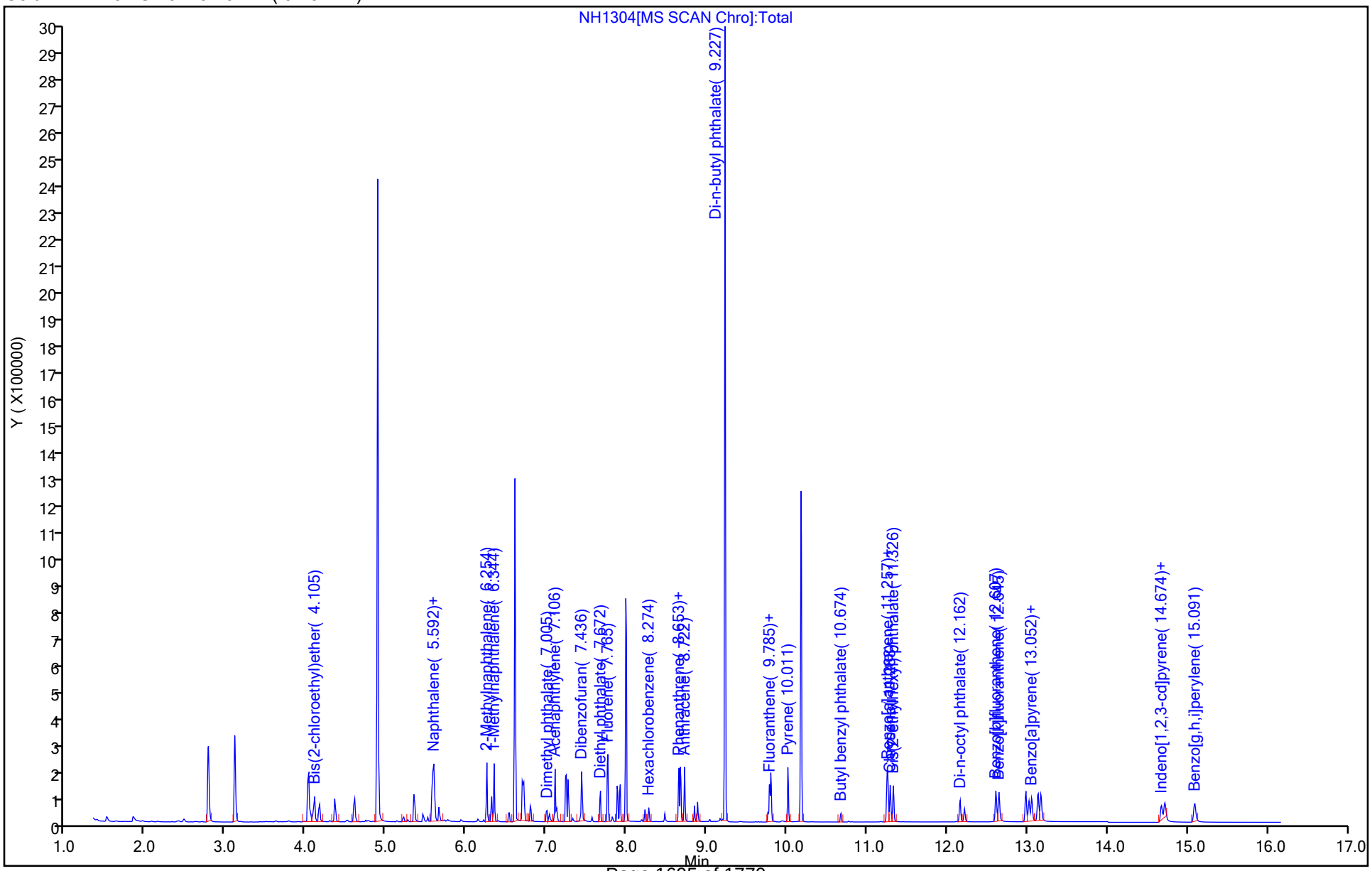
Lims ID: LCSD 410-287248/3-A Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1304.D
Lims ID: LCSD 410-287248/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 19-Aug-2022 05:58:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-287248/3-A
Misc. Info.: 410-0064507-005
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:25:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1488	59.51
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1702	68.07
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1844	73.77

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

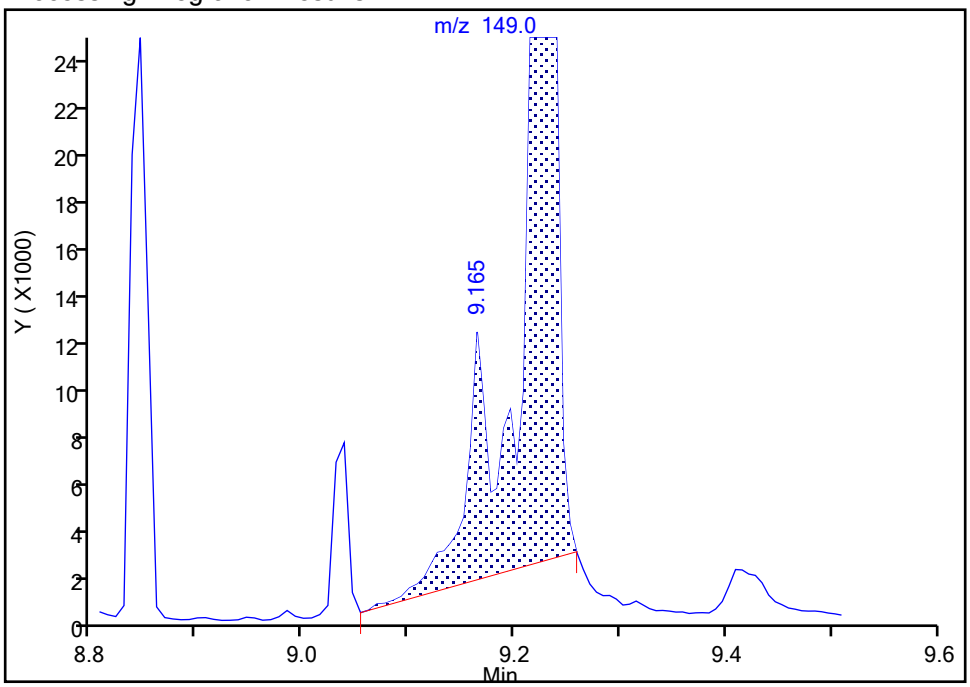
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1304.D				
Injection Date:	19-Aug-2022 05:58:30	Instrument ID:	HP23263		
Lims ID:	LCSD 410-287248/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

23 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

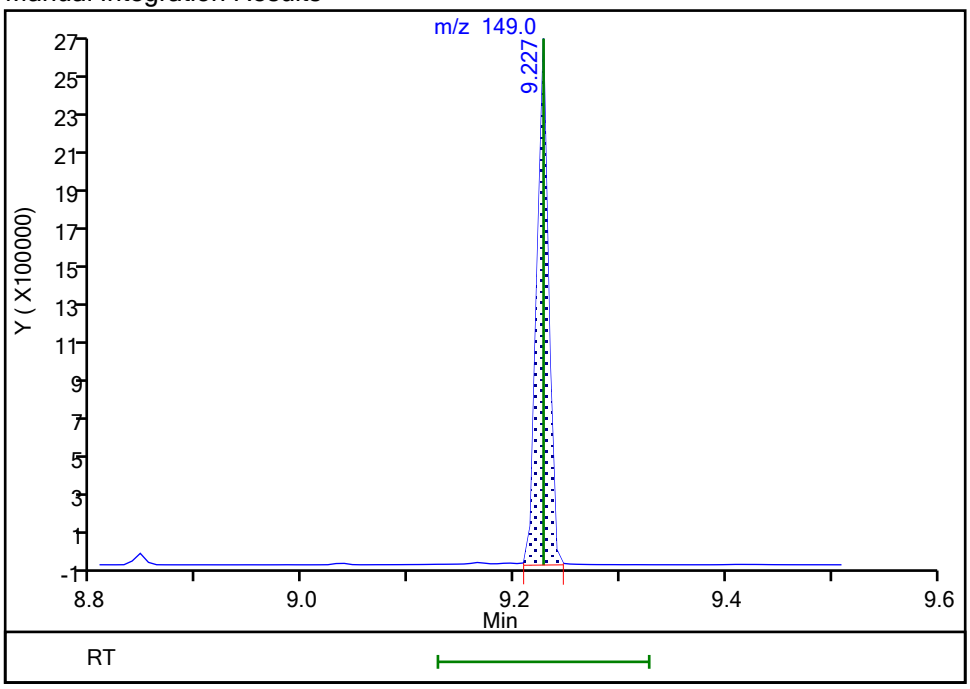
Processing Integration Results

RT: 9.16
Area: 2077557
Amount: 3.479266
Amount Units: ug/ml



Manual Integration Results

RT: 9.23
Area: 2060018
Amount: 3.449894
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 07:25:09
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-288127/3-A

Matrix: Water
Lab File ID: MH1504.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/21/2022 10:35

Sample wt/vol: 250(mL)
Date Analyzed: 08/22/2022 08:22

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 288195
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	*1,4-Dioxane*	*0.500*		*0.30*	*0.10*
90-12-0	*1-Methylnaphthalene*	*0.666*		*0.050*	*0.020*
91-57-6	*2-Methylnaphthalene*	*0.632*		*0.050*	*0.020*
83-32-9	*Acenaphthene*	*0.786*		*0.050*	*0.010*
208-96-8	*Acenaphthylene*	*0.779*		*0.050*	*0.010*
120-12-7	*Anthracene*	*0.875*		*0.050*	*0.010*
56-55-3	*Benzo[a]anthracene*	*0.876*		*0.050*	*0.010*
50-32-8	*Benzo[a]pyrene*	*0.864*		*0.050*	*0.010*
205-99-2	*Benzo[b]fluoranthene*	*0.826*		*0.050*	*0.010*
191-24-2	*Benzo[g,h,i]perylene*	*0.946*		*0.050*	*0.010*
207-08-9	*Benzo[k]fluoranthene*	*0.896*		*0.050*	*0.010*
111-44-4	*Bis(2-chloroethyl)ether*	*0.883*		*0.050*	*0.020*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*1.72*		*1.0*	*0.050*
85-68-7	*Butylbenzylphthalate*	*1.02*		*1.0*	*0.050*
218-01-9	*Chrysene*	*0.856*		*0.050*	*0.010*
53-70-3	*Dibenz(a,h)anthracene*	*0.952*		*0.050*	*0.020*
132-64-9	*Dibenzofuran*	*0.879*		*0.050*	*0.010*
84-66-2	*Diethylphthalate*	*0.873*	*J*	*1.0*	*0.050*
131-11-3	*Dimethylphthalate*	*0.734*	*J*	*1.0*	*0.050*
84-74-2	*Di-n-butyl phthalate*	*0.910*	*J*	*1.0*	*0.050*
117-84-0	*Di-n-octyl phthalate*	*0.929*	*J*	*1.0*	*0.050*
206-44-0	*Fluoranthene*	*0.876*		*0.050*	*0.010*
86-73-7	*Fluorene*	*0.841*		*0.050*	*0.010*
118-74-1	*Hexachlorobenzene*	*0.854*		*0.050*	*0.020*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*0.949*		*0.050*	*0.020*
91-20-3	*Naphthalene*	*0.658*		*0.070*	*0.030*
62-75-9	*N-Nitrosodimethylamine*	*0.642*		*0.050*	*0.020*
85-01-8	*Phenanthrene*	*0.873*		*0.070*	*0.030*
129-00-0	*Pyrene*	*0.817*		*0.050*	*0.010*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-288127/3-A

Matrix: Water Lab File ID: MH1504.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 08/21/2022 10:35

Sample wt/vol: 250(mL) Date Analyzed: 08/22/2022 08:22

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 288195 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	71		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	88		10-110
93951-69-0	Fluoranthene-d10 (Surr)	82		47-128

Report Date: 22-Aug-2022 19:18:43 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1504.D
Lims ID: LCSD 410-288127/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 22-Aug-2022 08:22:45 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-288127/3-A
Misc. Info.: 410-0064632-005
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:29:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.841	1.819	0.048	88	24201	0.2500	0.1249	M
	2 N-Nitrosodimethylamine	74	2.122	2.078	0.044	89	38089	0.2500	0.1606	
	3 Bis(2-chloroethyl)ether	93	4.267	4.267	0.000	88	101342	0.2500	0.2208	
*	4 1,4-Dichlorobenzene-d4	152	4.530	4.530	0.000	67	68894	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.717	5.717	0.000	91	262334	0.2500	0.2500	
	6 Naphthalene	128	5.729	5.729	0.000	93	215844	0.2500	0.1646	
	8 2-Methylnaphthalene	142	6.385	6.385	0.000	97	127520	0.2500	0.1579	
$	9 1-Methylnaphthalene-d10	152	6.444	6.444	0.000	99	106013	0.2500	0.1768	
	10 1-Methylnaphthalene	142	6.474	6.473	-0.009	99	125473	0.2500	0.1664	
	11 Dimethyl phthalate	163	7.124	7.124	0.000	75	111442	0.2500	0.1836	
	12 Acenaphthylene	152	7.242	7.242	0.000	100	191999	0.2500	0.1948	
*	13 Acenaphthene-d10	164	7.370	7.380	-0.010	97	122052	0.2500	0.2500	
	14 Acenaphthene	154	7.399	7.399	-0.010	87	120233	0.2500	0.1965	
	15 Dibenzofuran	168	7.567	7.577	-0.010	95	204114	0.2500	0.2197	
	16 Diethyl phthalate	149	7.791	7.791	0.000	100	126919	0.2500	0.2183	
	17 Fluorene	166	7.892	7.892	0.000	98	151306	0.2500	0.2103	
	19 Hexachlorobenzene	284	8.415	8.415	0.000	99	42905	0.2500	0.2134	
*	20 Phenanthrene-d10	188	8.782	8.790	-0.008	95	212449	0.2500	0.2500	
	21 Phenanthrene	178	8.805	8.813	-0.008	100	222463	0.2500	0.2183	
	22 Anthracene	178	8.852	8.860	-0.008	100	207931	0.2500	0.2188	
	23 Di-n-butyl phthalate	149	9.350	9.357	-0.006	100	177511	0.2500	0.2274	
$	24 Fluoranthene-d10 (Surr)	212	9.921	9.927	-0.006	99	184241	0.2500	0.2058	
	25 Fluoranthene	202	9.939	9.946	-0.007	100	241741	0.2500	0.2190	
	26 Pyrene	202	10.153	10.159	-0.006	100	241805	0.2500	0.2041	
	27 Butyl benzyl phthalate	149	10.835	10.835	0.000	100	53121	0.2500	0.2543	
	28 Benzo[a]anthracene	228	11.441	11.449	0.000	100	207840	0.2500	0.2190	
*	29 Chrysene-d12	240	11.456	11.456	0.000	59	180970	0.2500	0.2500	
	30 Chrysene	228	11.479	11.487	-0.008	100	227055	0.2500	0.2141	
	31 Bis(2-ethylhexyl) phthalate	149	11.510	11.518	-0.008	100	147160	0.2500	0.4303	
	32 Di-n-octyl phthalate	149	12.384	12.392	-0.008	100	120666	0.2500	0.2322	
	33 Benzo[b]fluoranthene	252	12.860	12.860	0.000	100	209287	0.2500	0.2064	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.898	12.898	0.000	100	242475	0.2500	0.2240	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.289	13.312	0.000	100	151288	0.2500	0.2192	
37 Benzo[a]pyrene	252	13.320	13.328	0.000	100	199819	0.2500	0.2161	
* 38 Perylene-d12	264	13.405	13.405	0.001	100	186674	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.032	15.067	0.000	100	186475	0.2500	0.2372	M
41 Dibenz(a,h)anthracene	278	15.081	15.081	0.000	97	217158	0.2500	0.2379	
42 Benzo[g,h,i]perylene	276	15.484	15.491	-0.007	98	238276	0.2500	0.2365	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

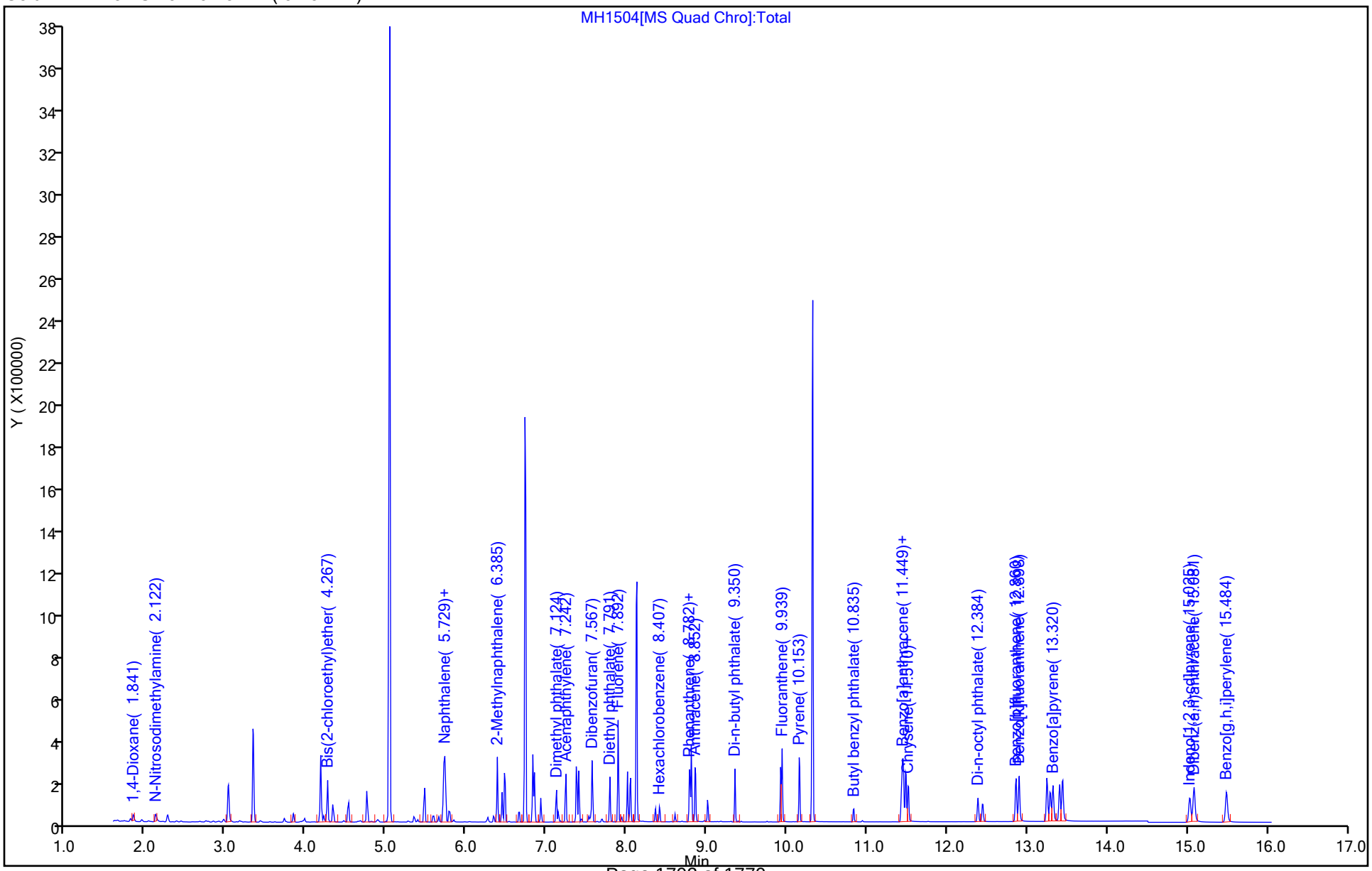
Report Date: 22-Aug-2022 19:18:43 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1504.D

Injection Date:	22-Aug-2022 08:22:45	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	LCSD 410-288127/3-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1504.D
Lims ID: LCSD 410-288127/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 22-Aug-2022 08:22:45 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-288127/3-A
Misc. Info.: 410-0064632-005
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:29:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1768	70.73
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2058	82.34
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2192	87.69

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

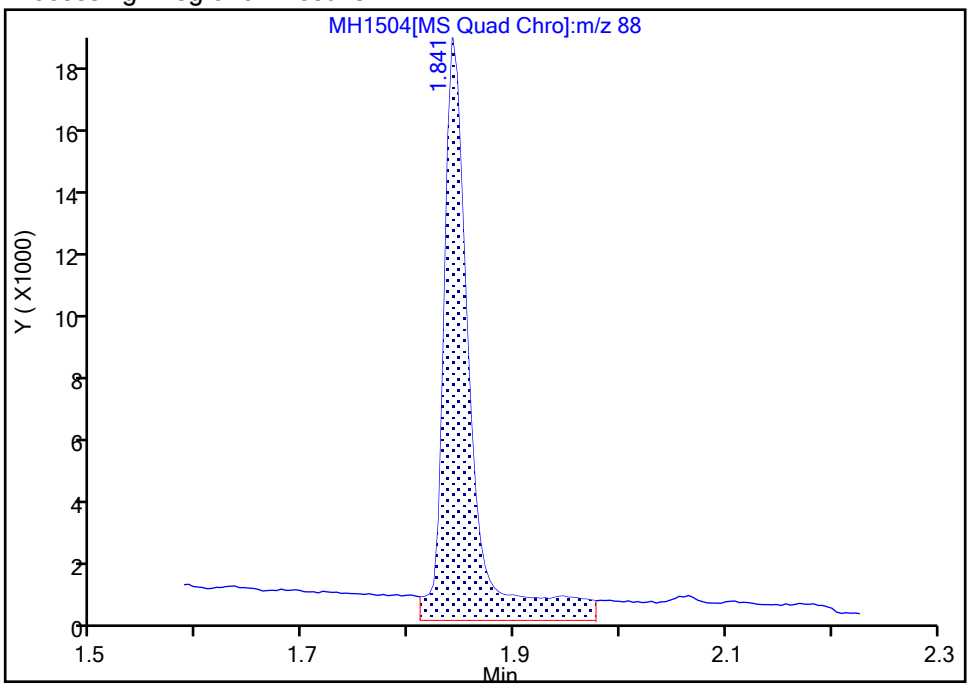
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1504.D				
Injection Date:	22-Aug-2022 08:22:45	Instrument ID:	HP21585		
Lims ID:	LCSD 410-288127/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

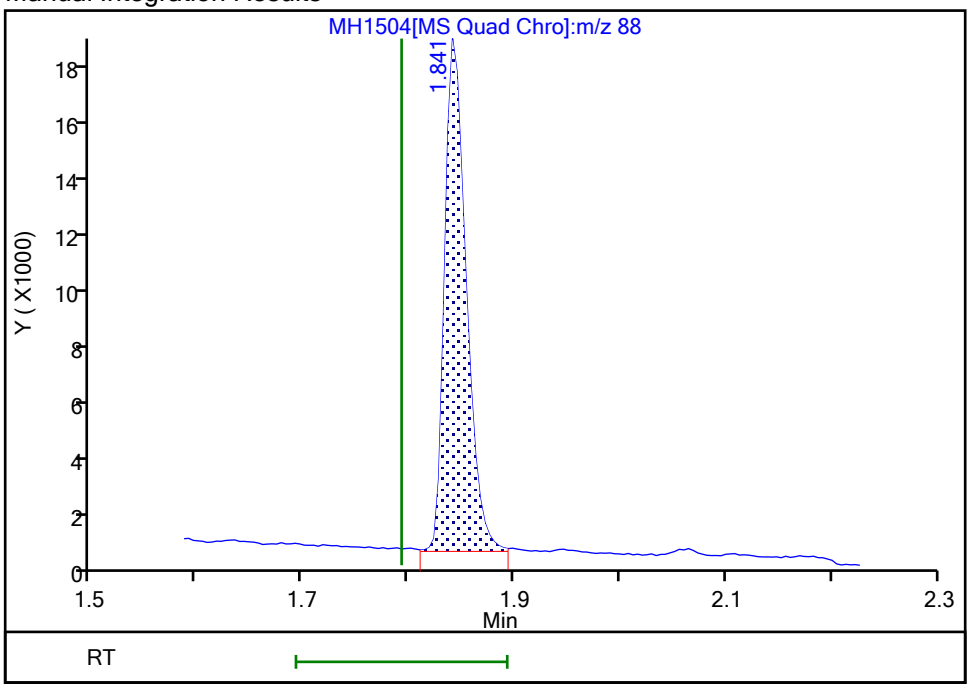
Processing Integration Results

RT: 1.84
Area: 30994
Amount: 0.159966
Amount Units: ug/ml



Manual Integration Results

RT: 1.84
Area: 24201
Amount: 0.124906
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:28:56

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

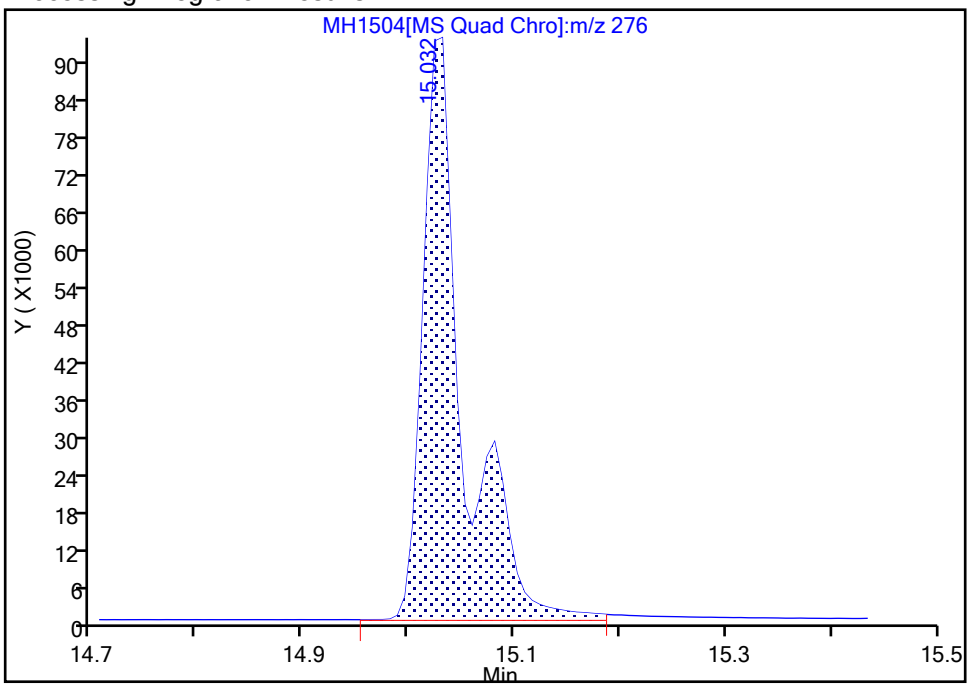
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1504.D				
Injection Date:	22-Aug-2022 08:22:45	Instrument ID:	HP21585		
Lims ID:	LCSD 410-288127/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

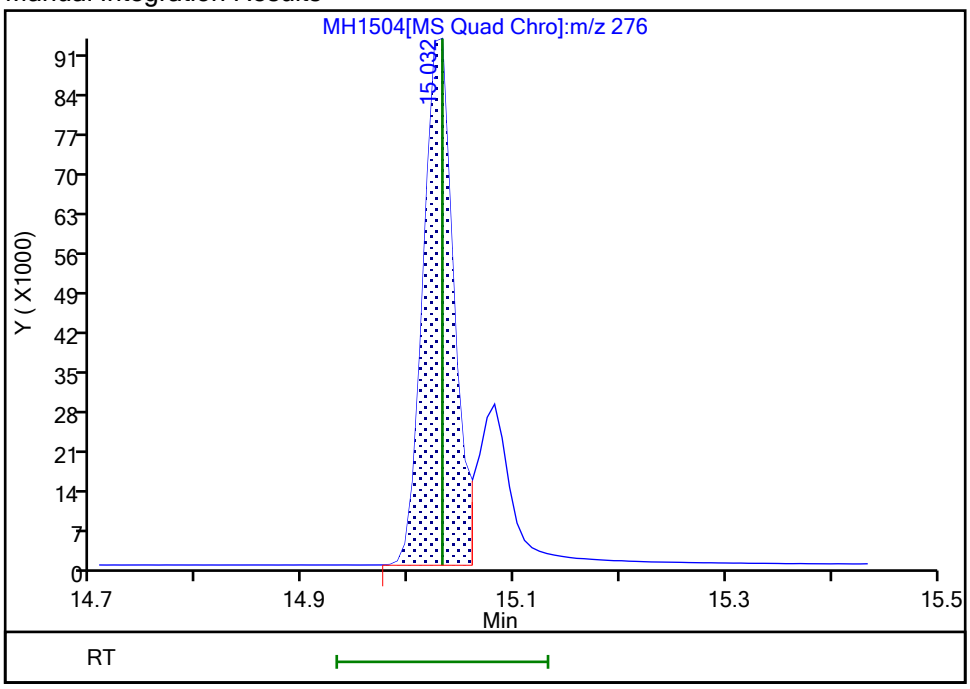
Processing Integration Results

RT: 15.03
Area: 250053
Amount: 0.318106
Amount Units: ug/ml



Manual Integration Results

RT: 15.03
Area: 186475
Amount: 0.237225
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:29:20

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MS_082022 MS
Lab Sample ID: 410-94417-1 MS

Matrix: Water
Lab File ID: MH1424.D

Analysis Method: 8270D SIM
Date Collected: 08/11/2022 12:05

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 235(mL)
Date Analyzed: 08/19/2022 04:02

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287573
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.458		0.32	0.11
90-12-0	1-Methylnaphthalene	0.681		0.053	0.021
91-57-6	2-Methylnaphthalene	0.652		0.053	0.021
83-32-9	Acenaphthene	0.873		0.053	0.011
208-96-8	Acenaphthylene	0.774		0.053	0.011
120-12-7	Anthracene	0.877		0.053	0.011
56-55-3	Benzo[a]anthracene	0.901		0.053	0.011
50-32-8	Benzo[a]pyrene	0.849		0.053	0.011
205-99-2	Benzo[b]fluoranthene	0.835		0.053	0.011
191-24-2	Benzo[g,h,i]perylene	0.721		0.053	0.011
207-08-9	Benzo[k]fluoranthene	0.910		0.053	0.011
111-44-4	Bis(2-chloroethyl)ether	0.909		0.053	0.021
85-68-7	Butylbenzylphthalate	0.749	J	1.1	0.053
218-01-9	Chrysene	0.856		0.053	0.011
53-70-3	Dibenz(a,h)anthracene	0.739		0.053	0.021
132-64-9	Dibenzofuran	0.848		0.053	0.011
84-66-2	Diethylphthalate	0.711	J	1.1	0.053
131-11-3	Dimethylphthalate	0.324	J	1.1	0.053
117-84-0	Di-n-octyl phthalate	1.08	J	1.1	0.053
206-44-0	Fluoranthene	0.922		0.053	0.011
86-73-7	Fluorene	0.832		0.053	0.011
118-74-1	Hexachlorobenzene	0.875		0.053	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	0.751		0.053	0.021
91-20-3	Naphthalene	0.678		0.074	0.032
62-75-9	N-Nitrosodimethylamine	0.708		0.053	0.021
85-01-8	Phenanthrene	0.886		0.074	0.032
129-00-0	Pyrene	0.846		0.053	0.011

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MS_082022 MS Lab Sample ID: 410-94417-1 MS

Matrix: Water Lab File ID: MH1424.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 12:05

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 235(mL) Date Analyzed: 08/19/2022 04:02

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287573 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	65		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	84		10-110
93951-69-0	Fluoranthene-d10 (Surr)	81		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1424.D
Lims ID: 410-94417-G-1-A MS
Client ID: FBS010-MS_082022
Sample Type: MS
Inject. Date: 19-Aug-2022 04:02:27 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-A MS
Misc. Info.: 410-0064495-024
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 07:12:32 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:10:33

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.833	1.841	0.022	88	22090	0.2500	0.1076	M
	2 N-Nitrosodimethylamine	74	2.122	2.100	0.022	88	41828	0.2500	0.1665	
	3 Bis(2-chloroethyl)ether	93	4.280	4.280	0.000	84	104170	0.2500	0.2136	
*	4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	90	72999	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.729	5.729	0.000	91	278682	0.2500	0.2500	
	6 Naphthalene	128	5.742	5.742	0.000	93	222094	0.2500	0.1594	
	8 2-Methylnaphthalene	142	6.396	6.396	0.000	97	131480	0.2500	0.1533	
$	9 1-Methylnaphthalene-d10	152	6.455	6.455	0.000	96	102711	0.2500	0.1613	
	10 1-Methylnaphthalene	142	6.485	6.485	0.000	100	128244	0.2500	0.1601	
	11 Dimethyl phthalate	163	7.125	7.135	-0.010	80	51502	0.2500	0.0760	
	12 Acenaphthylene	152	7.253	7.253	0.000	96	199989	0.2500	0.1818	
*	13 Acenaphthene-d10	164	7.381	7.381	0.000	95	136163	0.2500	0.2500	
	14 Acenaphthene	154	7.411	7.411	0.000	90	140100	0.2500	0.2053	
	15 Dibenzofuran	168	7.578	7.578	0.000	97	206575	0.2500	0.1993	
	16 Diethyl phthalate	149	7.800	7.793	0.000	99	108398	0.2500	0.1671	
	17 Fluorene	166	7.901	7.901	0.000	98	156877	0.2500	0.1954	
	19 Hexachlorobenzene	284	8.417	8.417	-0.007	96	45034	0.2500	0.2057	
*	20 Phenanthrene-d10	188	8.791	8.799	-0.008	95	231346	0.2500	0.2500	
	21 Phenanthrene	178	8.815	8.807	0.000	100	231097	0.2500	0.2083	
	22 Anthracene	178	8.861	8.861	-0.008	100	213357	0.2500	0.2062	
	23 Di-n-butyl phthalate	149	9.358	9.356	-0.006	100	4777364	0.2500	5.62	
$	24 Fluoranthene-d10 (Surr)	212	9.928	9.926	-0.007	99	196415	0.2500	0.2015	
	25 Fluoranthene	202	9.947	9.945	-0.006	100	260285	0.2500	0.2166	
	26 Pyrene	202	10.160	10.167	-0.007	99	262029	0.2500	0.1987	
	27 Butyl benzyl phthalate	149	10.837	10.844	-0.007	100	37751	0.2500	0.1761	
	28 Benzo[a]anthracene	228	11.450	11.458	-0.008	100	223776	0.2500	0.2118	
*	29 Chrysene-d12	240	11.458	11.466	-0.008	75	201445	0.2500	0.2500	
	30 Chrysene	228	11.489	11.496	-0.007	100	237426	0.2500	0.2011	
	31 Bis(2-ethylhexyl) phthalate	149	11.519	11.527	-0.008	100	219458	0.2500	0.5605	
	32 Di-n-octyl phthalate	149	12.394	12.394	-0.007	100	146015	0.2500	0.2536	M
	33 Benzo[b]fluoranthene	252	12.869	12.862	0.000	100	216381	0.2500	0.1963	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.908	12.908	-0.007	100	251717	0.2500	0.2140	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.299	13.299	-0.007	100	158061	0.2500	0.2107	
37 Benzo[a]pyrene	252	13.329	13.329	-0.008	100	200629	0.2500	0.1996	
* 38 Perylene-d12	264	13.414	13.421	-0.007	100	202917	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.047	15.047	0.000	100	150858	0.2500	0.1766	M
41 Dibenz(a,h)anthracene	278	15.096	15.095	-0.007	97	172238	0.2500	0.1736	
42 Benzo[g,h,i]perylene	276	15.506	15.504	-0.007	98	185686	0.2500	0.1695	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

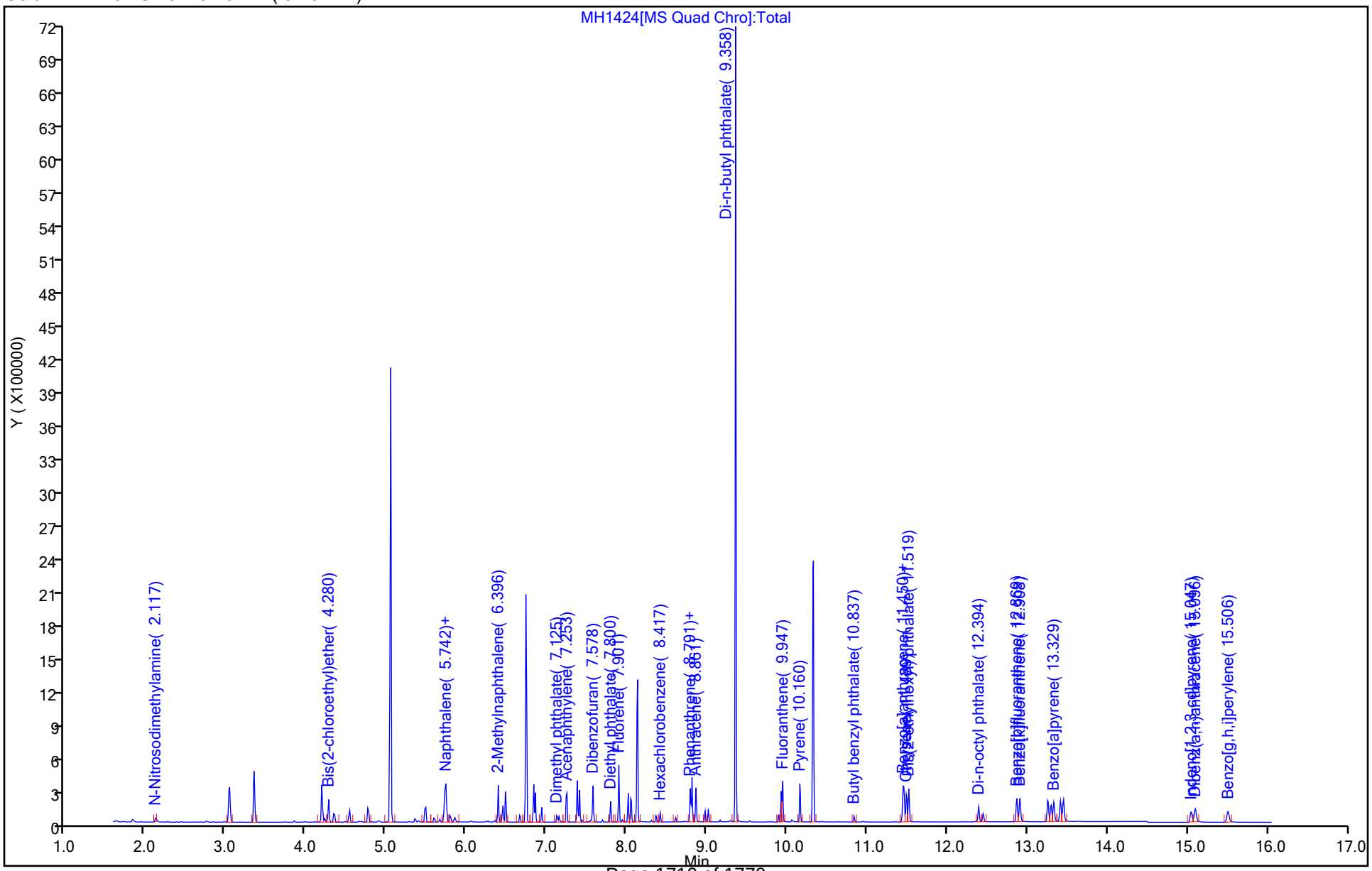
MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 19-Aug-2022 07:13:19 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1424.D				
Injection Date:	19-Aug-2022 04:02:27	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	410-94417-G-1-A MS			Worklist Smp#:	24
Client ID:	FBS010-MS_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1424.D
Lims ID: 410-94417-G-1-A MS
Client ID: FBS010-MS_082022
Sample Type: MS
Inject. Date: 19-Aug-2022 04:02:27 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-A MS
Misc. Info.: 410-0064495-024
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 07:12:32 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:10:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1613	64.51
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2015	80.61
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2107	84.28

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

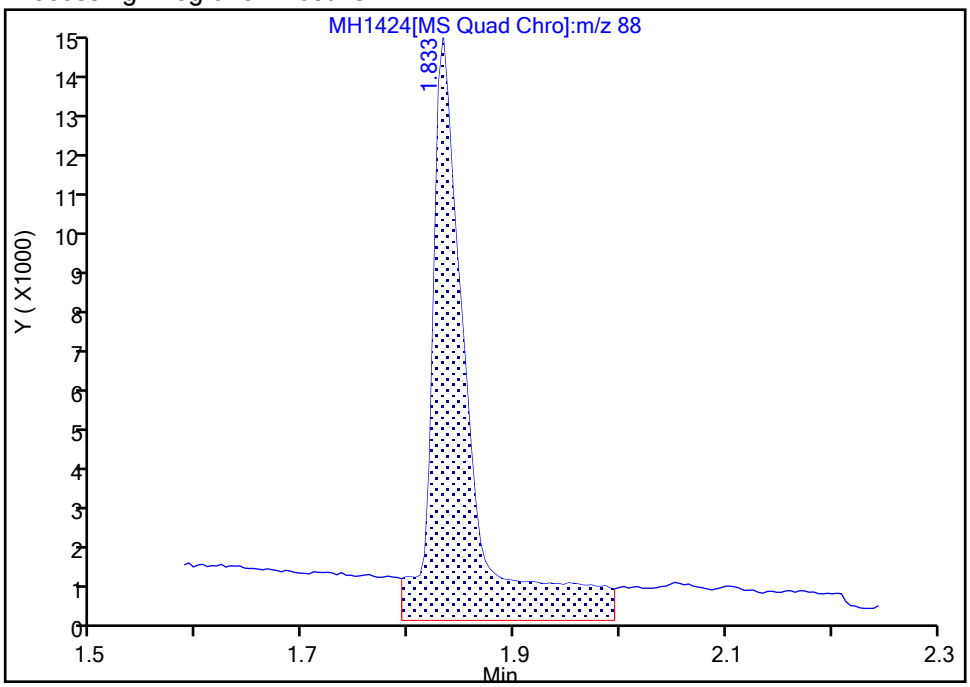
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1424.D				
Injection Date:	19-Aug-2022 04:02:27	Instrument ID:	HP21585		
Lims ID:	410-94417-G-1-A MS				
Client ID:	FBS010-MS_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

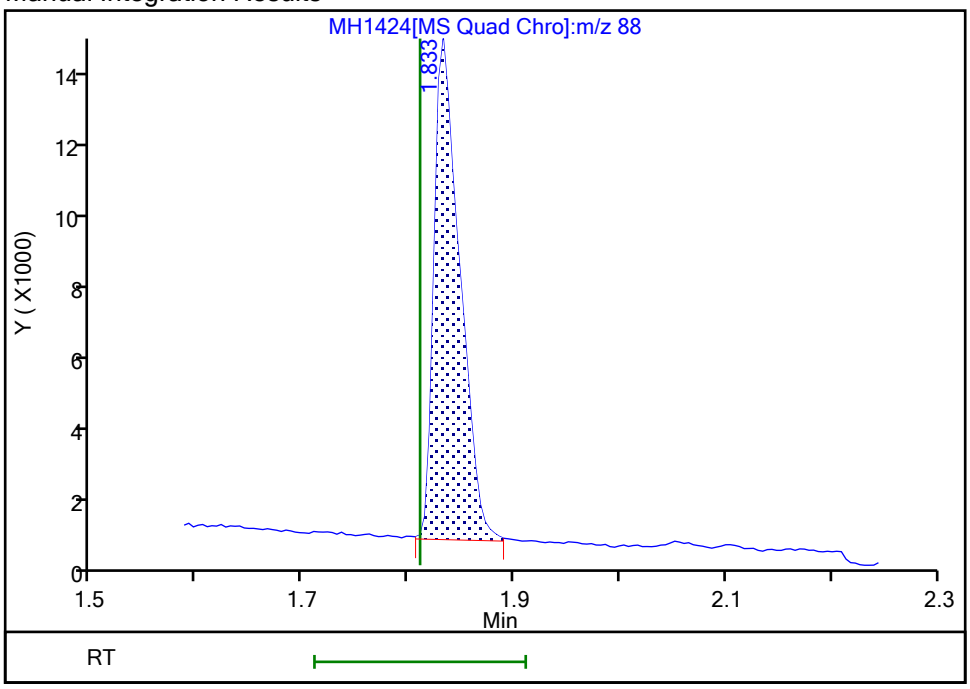
Processing Integration Results

RT: 1.83
Area: 33236
Amount: 0.161891
Amount Units: ug/ml



Manual Integration Results

RT: 1.83
Area: 22090
Amount: 0.107599
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 07:09:59
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

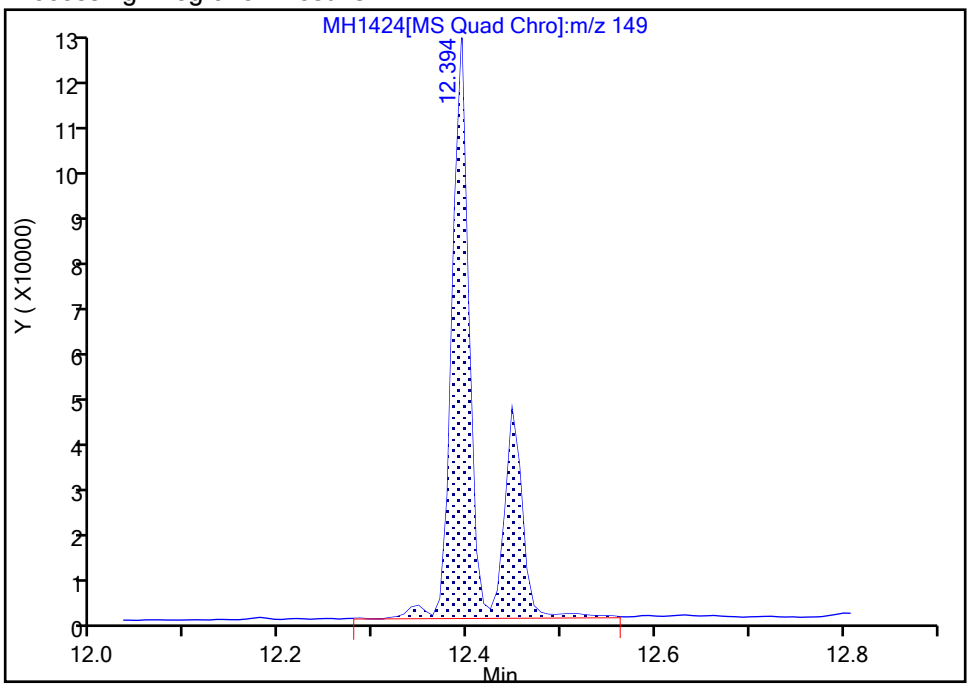
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1424.D				
Injection Date:	19-Aug-2022 04:02:27	Instrument ID:	HP21585		
Lims ID:	410-94417-G-1-A MS				
Client ID:	FBS010-MS_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

32 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 1

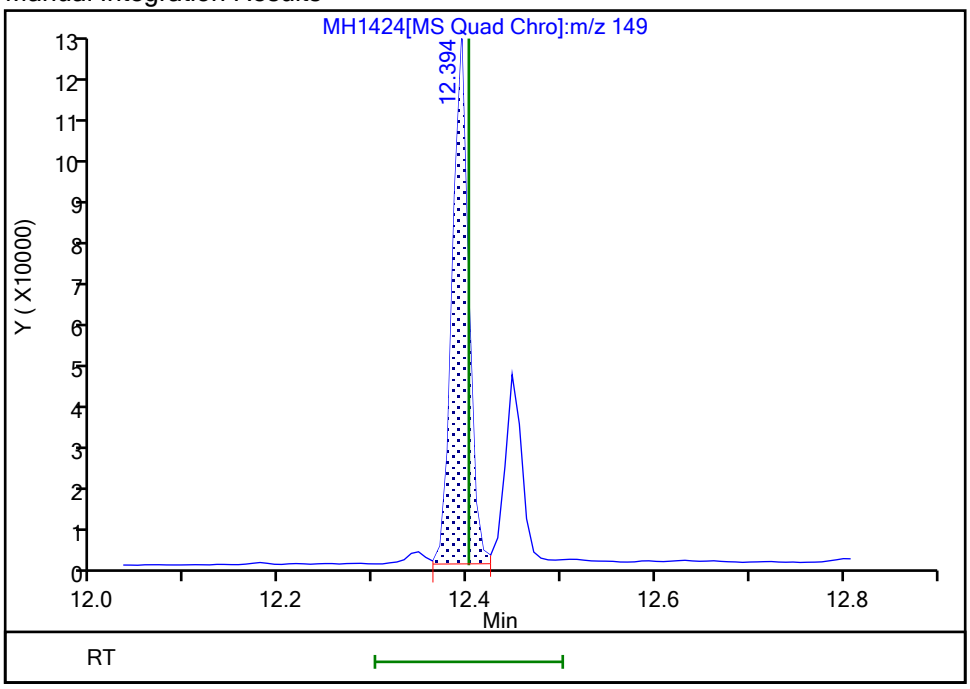
Processing Integration Results

RT: 12.39
Area: 207482
Amount: 0.341911
Amount Units: ug/ml



Manual Integration Results

RT: 12.39
Area: 146015
Amount: 0.253642
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 07:10:18
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

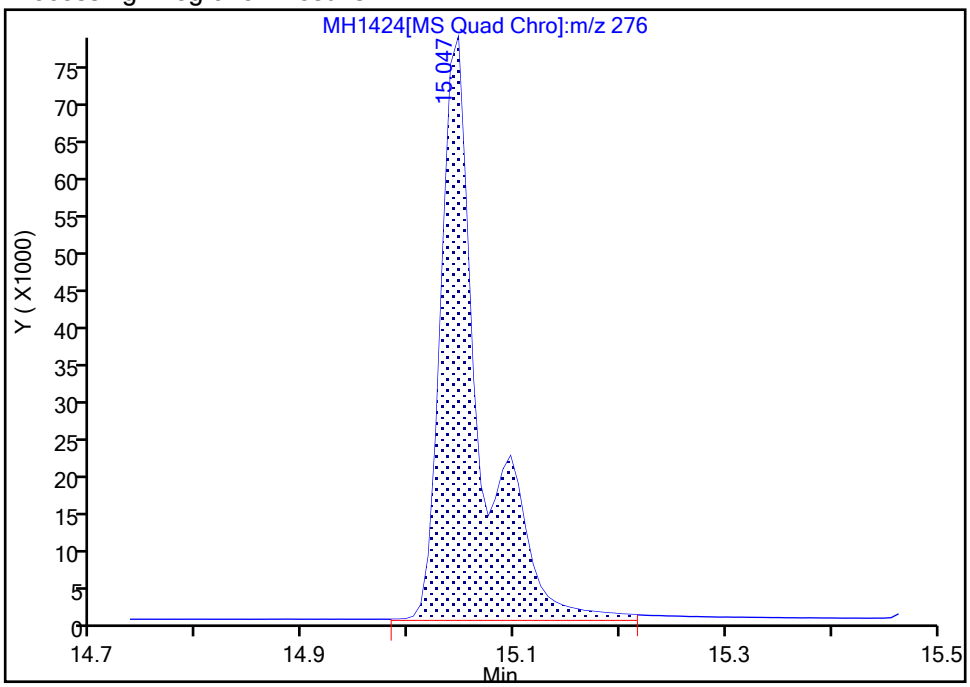
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1424.D				
Injection Date:	19-Aug-2022 04:02:27	Instrument ID:	HP21585		
Lims ID:	410-94417-G-1-A MS				
Client ID:	FBS010-MS_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

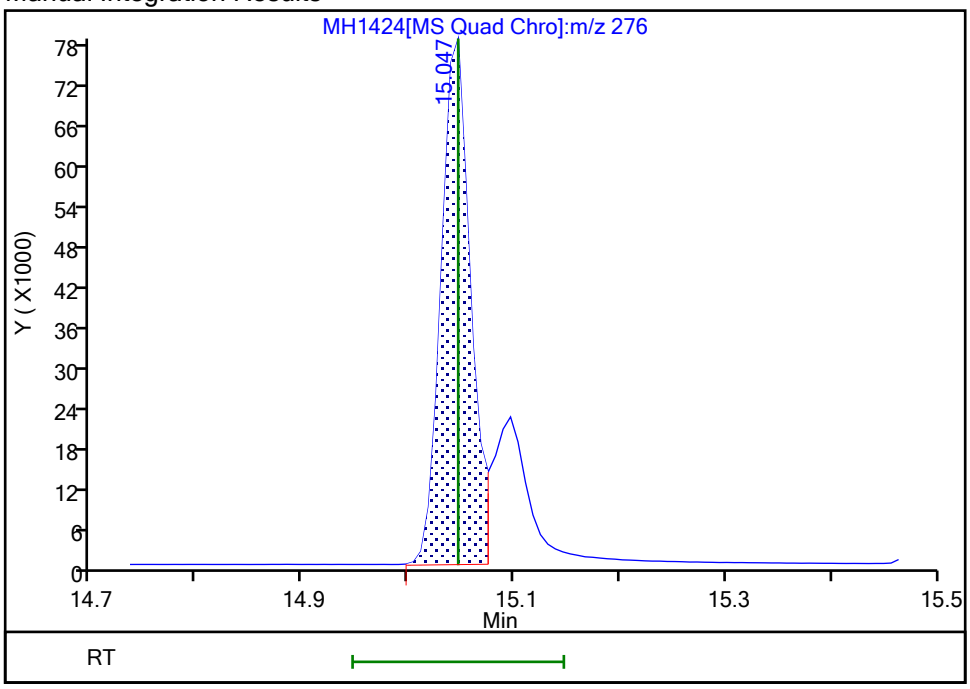
Processing Integration Results

RT: 15.05
Area: 205446
Amount: 0.240438
Amount Units: ug/ml



Manual Integration Results

RT: 15.05
Area: 150858
Amount: 0.176552
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 07:10:29

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MS_082022 MS RA Lab Sample ID: 410-94417-1 MS RA

Matrix: Water Lab File ID: NH1306.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 12:05

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 235(mL) Date Analyzed: 08/19/2022 06:41

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	1.83		1.1	0.053
84-74-2	Di-n-butyl phthalate	18.2		1.1	0.053

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	65		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	80		10-110
93951-69-0	Fluoranthene-d10 (Surr)	75		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1306.D
Lims ID: 410-94417-G-1-A MS
Client ID: FBS010-MS_082022
Sample Type: MS
Inject. Date: 19-Aug-2022 06:41:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-A MS
Misc. Info.: 410-0064507-007
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:27:49

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.516	1.486	0.030	94	16405	0.2500	0.0951	
	2 N-Nitrosodimethylamine	74	1.845	1.809	0.031	89	29627	0.2500	0.1549	
	3 Bis(2-chloroethyl)ether	93	4.105	4.105	0.000	93	73157	0.2500	0.1794	
*	4 1,4-Dichlorobenzene-d4	152	4.355	4.367	-0.012	82	62099	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.579	5.579	0.000	100	212079	0.2500	0.2500	
	6 Naphthalene	128	5.592	5.592	0.000	89	172309	0.2500	0.1622	
	8 2-Methylnaphthalene	142	6.257	6.254	0.003	94	102197	0.2500	0.1602	
$	9 1-Methylnaphthalene-d10	152	6.307	6.314	-0.007	98	75177	0.2500	0.1626	
	10 1-Methylnaphthalene	142	6.347	6.344	0.003	98	96218	0.2500	0.1660	
	11 Dimethyl phthalate	163	6.998	6.986	0.003	100	38986	0.2500	0.0893	
	12 Acenaphthylene	152	7.108	7.096	0.002	97	155060	0.2500	0.1727	
*	13 Acenaphthene-d10	164	7.238	7.246	-0.008	87	97380	0.2500	0.2500	
	14 Acenaphthene	154	7.268	7.256	0.002	96	92466	0.2500	0.1725	
	15 Dibenzofuran	168	7.439	7.426	0.003	72	150861	0.2500	0.1831	M
	16 Diethyl phthalate	149	7.667	7.672	0.003	100	85117	0.2500	0.1923	
	17 Fluorene	166	7.759	7.754	-0.006	98	112149	0.2500	0.1886	
	19 Hexachlorobenzene	284	8.277	8.274	0.003	94	34158	0.2500	0.1735	
*	20 Phenanthrene-d10	188	8.647	8.653	-0.006	99	164279	0.2500	0.2500	
	21 Phenanthrene	178	8.671	8.668	0.003	100	158914	0.2500	0.1829	
	22 Anthracene	178	8.725	8.722	0.003	100	150609	0.2500	0.1838	
	23 Di-n-butyl phthalate	149	9.228	9.227	0.001	100	2609915	0.2500	4.29	M
$	24 Fluoranthene-d10 (Surr)	212	9.780	9.785	-0.005	100	124901	0.2500	0.1878	
	25 Fluoranthene	202	9.799	9.798	0.001	99	156823	0.2500	0.1888	
	26 Pyrene	202	10.012	10.018	0.001	98	166099	0.2500	0.1724	
	27 Butyl benzyl phthalate	149	10.668	10.681	-0.006	100	26904	0.2500	0.1088	
	28 Benzo[a]anthracene	228	11.250	11.257	0.000	96	135446	0.2500	0.1965	
*	29 Chrysene-d12	240	11.258	11.257	0.001	95	119359	0.2500	0.2500	
	30 Chrysene	228	11.289	11.295	0.001	100	141247	0.2500	0.1801	
	31 Bis(2-ethylhexyl) phthalate	149	11.327	11.334	0.001	99	137795	0.2500	0.4297	
	32 Di-n-octyl phthalate	149	12.163	12.162	0.001	100	103995	0.2500	0.2103	M
	33 Benzo[b]fluoranthene	252	12.608	12.607	0.001	100	129417	0.2500	0.2126	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.646	12.645	0.001	100	163122	0.2500	0.2078	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.022	13.021	0.001	98	89355	0.2500	0.2012	
37 Benzo[a]pyrene	252	13.053	13.052	0.001	100	121371	0.2500	0.1877	
* 38 Perylene-d12	264	13.137	13.136	0.001	96	117582	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.675	14.674	0.000	97	95494	0.2500	0.2198	
41 Dibenz(a,h)anthracene	278	14.717	14.717	0.000	98	107045	0.2500	0.2093	
42 Benzo[g,h,i]perylene	276	15.092	15.091	0.001	98	120397	0.2500	0.1954	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

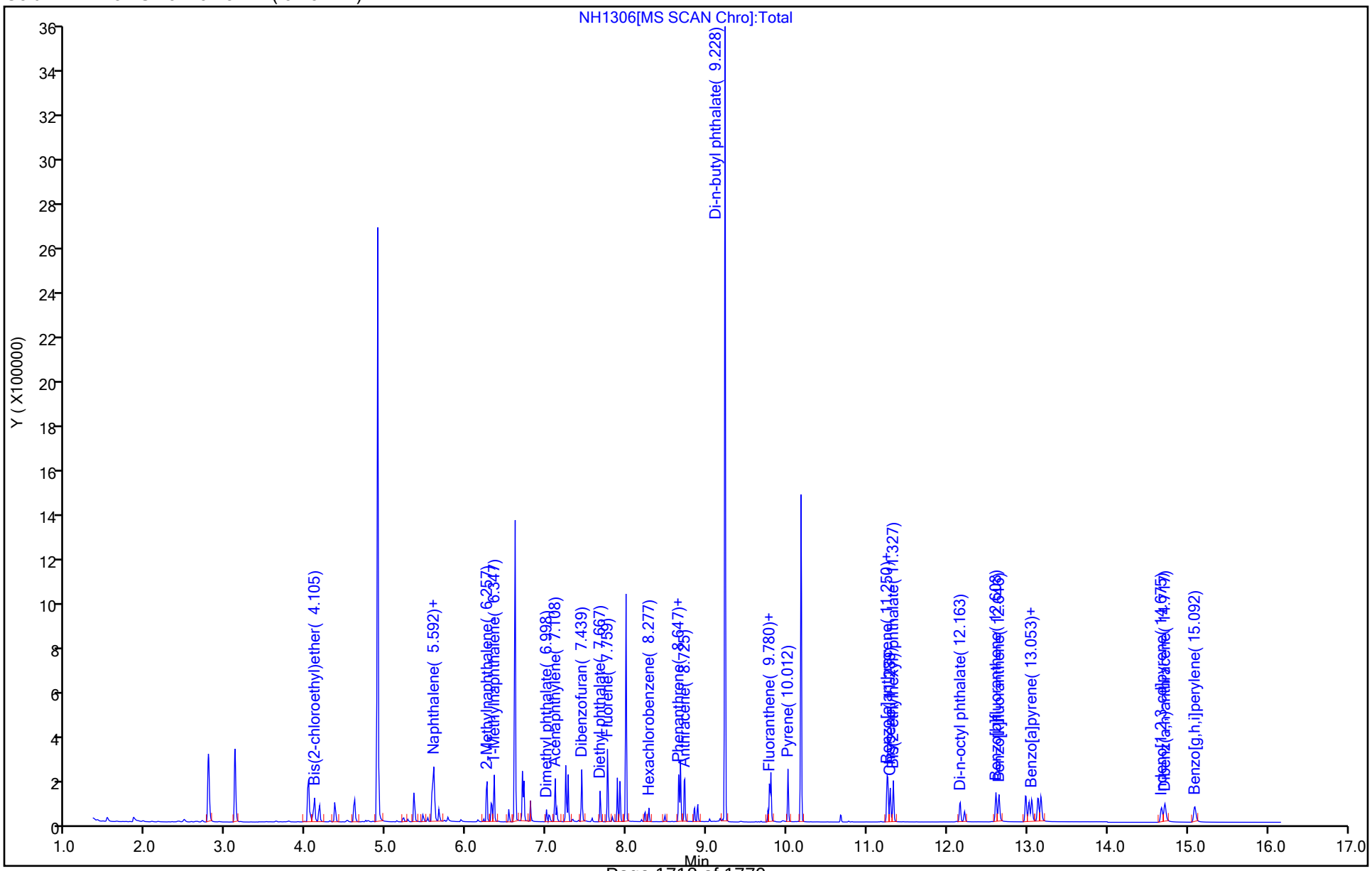
Report Date: 19-Aug-2022 08:31:04 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1306.D

Injection Date:	19-Aug-2022 06:41:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-94417-G-1-A MS			Worklist Smp#:	7
Client ID:	FBS010-MS_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1306.D
Lims ID: 410-94417-G-1-A MS
Client ID: FBS010-MS_082022
Sample Type: MS
Inject. Date: 19-Aug-2022 06:41:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-A MS
Misc. Info.: 410-0064507-007
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:27:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1626	65.05
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1878	75.11
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2012	80.46

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

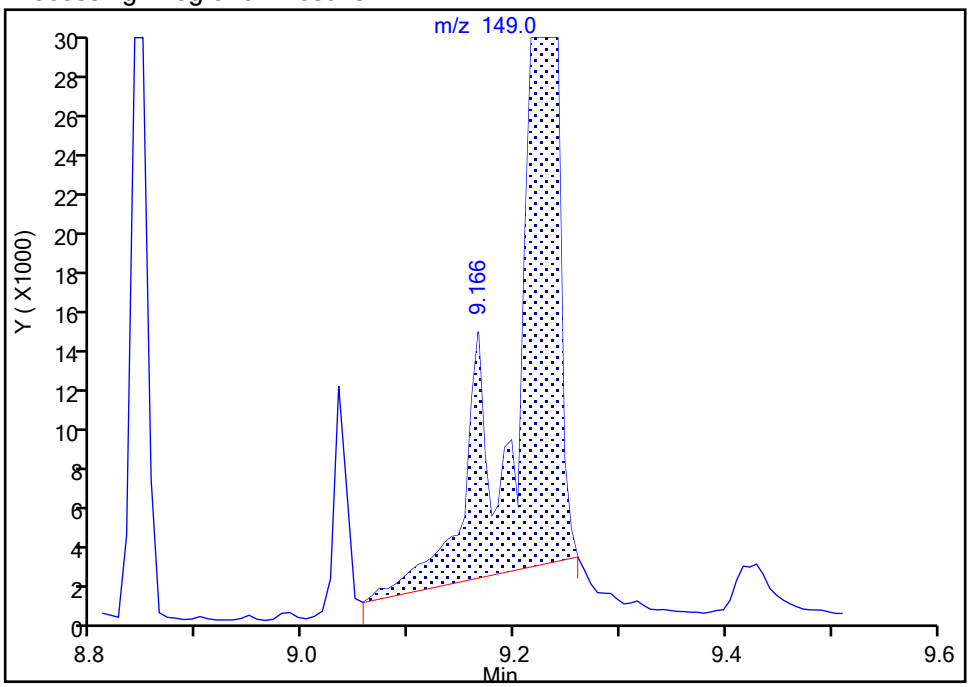
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1306.D				
Injection Date:	19-Aug-2022 06:41:30	Instrument ID:	HP23263		
Lims ID:	410-94417-G-1-A MS				
Client ID:	FBS010-MS_082022				
Operator ID:	jmg00346	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

23 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

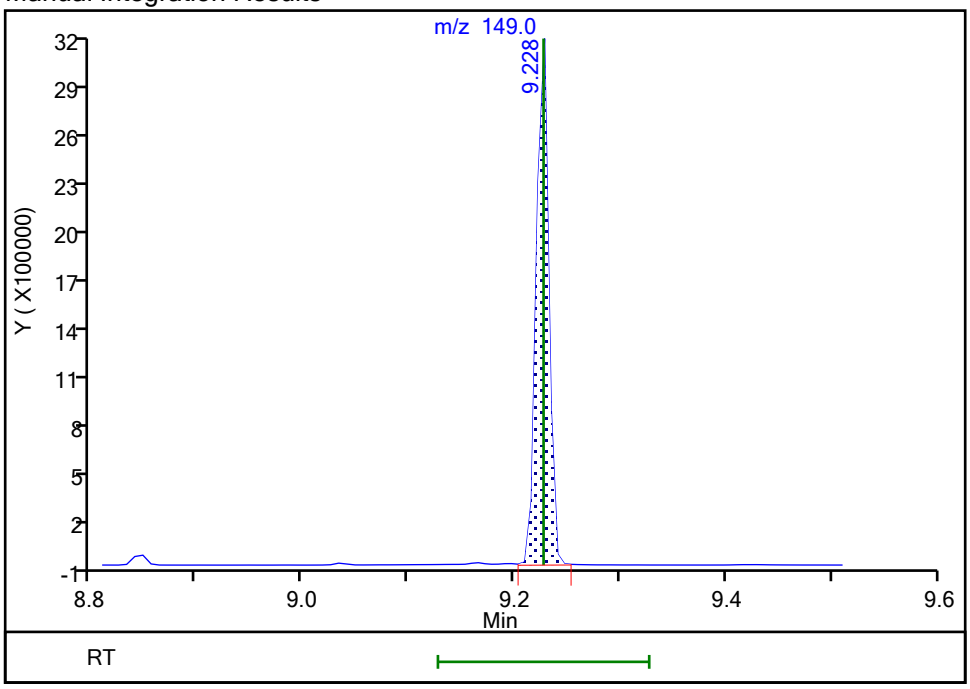
Processing Integration Results

RT: 9.17
Area: 2627267
Amount: 4.314102
Amount Units: ug/ml



Manual Integration Results

RT: 9.23
Area: 2609915
Amount: 4.285609
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 07:27:31
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MS_082022 MS RE
Lab Sample ID: 410-94417-1 MS RE

Matrix: Water
Lab File ID: MH1506.D

Analysis Method: 8270D SIM
Date Collected: 08/11/2022 12:05

Extract. Method: 3510C
Date Extracted: 08/21/2022 10:35

Sample wt/vol: 230.9(mL)
Date Analyzed: 08/22/2022 09:05

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 288195
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	*1,4-Dioxane*	*0.508*		*0.32*	*0.11*
90-12-0	*1-Methylnaphthalene*	*0.713*		*0.054*	*0.022*
91-57-6	*2-Methylnaphthalene*	*0.681*		*0.054*	*0.022*
83-32-9	*Acenaphthene*	*0.844*		*0.054*	*0.011*
208-96-8	*Acenaphthylene*	*0.825*		*0.054*	*0.011*
120-12-7	*Anthracene*	*0.932*		*0.054*	*0.011*
56-55-3	*Benzo[a]anthracene*	*0.916*		*0.054*	*0.011*
50-32-8	*Benzo[a]pyrene*	*0.836*		*0.054*	*0.011*
205-99-2	*Benzo[b]fluoranthene*	*0.823*		*0.054*	*0.011*
191-24-2	*Benzo[g,h,i]perylene*	*0.880*		*0.054*	*0.011*
207-08-9	*Benzo[k]fluoranthene*	*0.859*		*0.054*	*0.011*
111-44-4	*Bis(2-chloroethyl)ether*	*0.930*		*0.054*	*0.022*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*1.68*		*1.1*	*0.054*
85-68-7	*Butylbenzylphthalate*	*1.13*		*1.1*	*0.054*
218-01-9	*Chrysene*	*0.901*		*0.054*	*0.011*
53-70-3	*Dibenz(a,h)anthracene*	*0.891*		*0.054*	*0.022*
132-64-9	*Dibenzofuran*	*0.933*		*0.054*	*0.011*
84-66-2	*Diethylphthalate*	*0.925*	*J*	*1.1*	*0.054*
131-11-3	*Dimethylphthalate*	*0.804*	*J*	*1.1*	*0.054*
84-74-2	*Di-n-butyl phthalate*	*0.976*	*J*	*1.1*	*0.054*
117-84-0	*Di-n-octyl phthalate*	*0.913*	*J*	*1.1*	*0.054*
206-44-0	*Fluoranthene*	*0.932*		*0.054*	*0.011*
86-73-7	*Fluorene*	*0.897*		*0.054*	*0.011*
118-74-1	*Hexachlorobenzene*	*0.971*		*0.054*	*0.022*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*0.890*		*0.054*	*0.022*
91-20-3	*Naphthalene*	*0.712*		*0.076*	*0.032*
62-75-9	*N-Nitrosodimethylamine*	*0.682*		*0.054*	*0.022*
85-01-8	*Phenanthrene*	*0.946*		*0.076*	*0.032*
129-00-0	*Pyrene*	*0.873*		*0.054*	*0.011*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MS_082022 MS RE Lab Sample ID: 410-94417-1 MS RE

Matrix: Water Lab File ID: MH1506.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 12:05

Extract. Method: 3510C Date Extracted: 08/21/2022 10:35

Sample wt/vol: 230.9(mL) Date Analyzed: 08/22/2022 09:05

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 288195 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	69		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	78		10-110
93951-69-0	Fluoranthene-d10 (Surr)	81		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1506.D
Lims ID: 410-94417-D-1-A MS RE
Client ID: FBS010-MS_082022
Sample Type: MS
Inject. Date: 22-Aug-2022 09:05:40 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-D-1-A MS
Misc. Info.: 410-0064632-007
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:32:09

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.837	1.819	0.044	88	22351	0.2500	0.1173	M
	2 N-Nitrosodimethylamine	74	2.117	2.078	0.039	89	36737	0.2500	0.1575	
	3 Bis(2-chloroethyl)ether	93	4.267	4.267	0.000	88	98665	0.2500	0.2147	
*	4 1,4-Dichlorobenzene-d4	152	4.530	4.530	0.000	66	67757	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.717	5.717	0.000	91	262690	0.2500	0.2500	
	6 Naphthalene	128	5.729	5.729	0.000	93	215719	0.2500	0.1643	
	8 2-Methylnaphthalene	142	6.385	6.385	0.000	97	127238	0.2500	0.1574	
$	9 1-Methylnaphthalene-d10	152	6.444	6.444	0.000	99	103175	0.2500	0.1719	
	10 1-Methylnaphthalene	142	6.474	6.473	-0.009	100	124317	0.2500	0.1646	
	11 Dimethyl phthalate	163	7.124	7.124	0.000	75	111666	0.2500	0.1857	
	12 Acenaphthylene	152	7.242	7.242	0.000	100	185908	0.2500	0.1904	M
*	13 Acenaphthene-d10	164	7.370	7.380	-0.010	96	120900	0.2500	0.2500	
	14 Acenaphthene	154	7.399	7.399	-0.010	72	118045	0.2500	0.1948	M
	15 Dibenzofuran	168	7.567	7.577	-0.010	95	198275	0.2500	0.2154	
	16 Diethyl phthalate	149	7.791	7.791	0.000	100	123039	0.2500	0.2136	
	17 Fluorene	166	7.892	7.892	0.000	97	147640	0.2500	0.2071	
	19 Hexachlorobenzene	284	8.407	8.415	-0.008	96	43883	0.2500	0.2241	
*	20 Phenanthrene-d10	188	8.782	8.790	-0.008	94	206895	0.2500	0.2500	
	21 Phenanthrene	178	8.805	8.813	-0.008	100	216803	0.2500	0.2185	
	22 Anthracene	178	8.852	8.860	-0.008	100	199166	0.2500	0.2152	
	23 Di-n-butyl phthalate	149	9.350	9.357	-0.006	100	171244	0.2500	0.2253	
$	24 Fluoranthene-d10 (Surr)	212	9.921	9.927	-0.006	99	175668	0.2500	0.2015	
	25 Fluoranthene	202	9.939	9.946	-0.007	100	231386	0.2500	0.2153	
	26 Pyrene	202	10.153	10.159	-0.006	99	233378	0.2500	0.2017	
	27 Butyl benzyl phthalate	149	10.828	10.835	-0.007	100	53432	0.2500	0.2606	
	28 Benzo[a]anthracene	228	11.441	11.449	0.000	100	196221	0.2500	0.2116	
*	29 Chrysene-d12	240	11.449	11.456	-0.007	75	176818	0.2500	0.2500	
	30 Chrysene	228	11.479	11.487	-0.008	100	215531	0.2500	0.2080	
	31 Bis(2-ethylhexyl) phthalate	149	11.510	11.518	-0.008	100	128130	0.2500	0.3882	
	32 Di-n-octyl phthalate	149	12.384	12.392	-0.008	100	105931	0.2500	0.2109	
	33 Benzo[b]fluoranthene	252	12.852	12.860	-0.008	100	190590	0.2500	0.1900	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.891	12.898	-0.007	100	212324	0.2500	0.1983	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.282	13.312	-0.007	100	133272	0.2500	0.1952	
37 Benzo[a]pyrene	252	13.320	13.328	0.000	100	176616	0.2500	0.1931	
* 38 Perylene-d12	264	13.404	13.405	0.000	100	184652	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.025	15.067	-0.007	100	159861	0.2500	0.2056	M
41 Dibenz(a,h)anthracene	278	15.081	15.081	0.000	97	185675	0.2500	0.2057	
42 Benzo[g,h,i]perylene	276	15.484	15.491	-0.007	98	202433	0.2500	0.2031	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

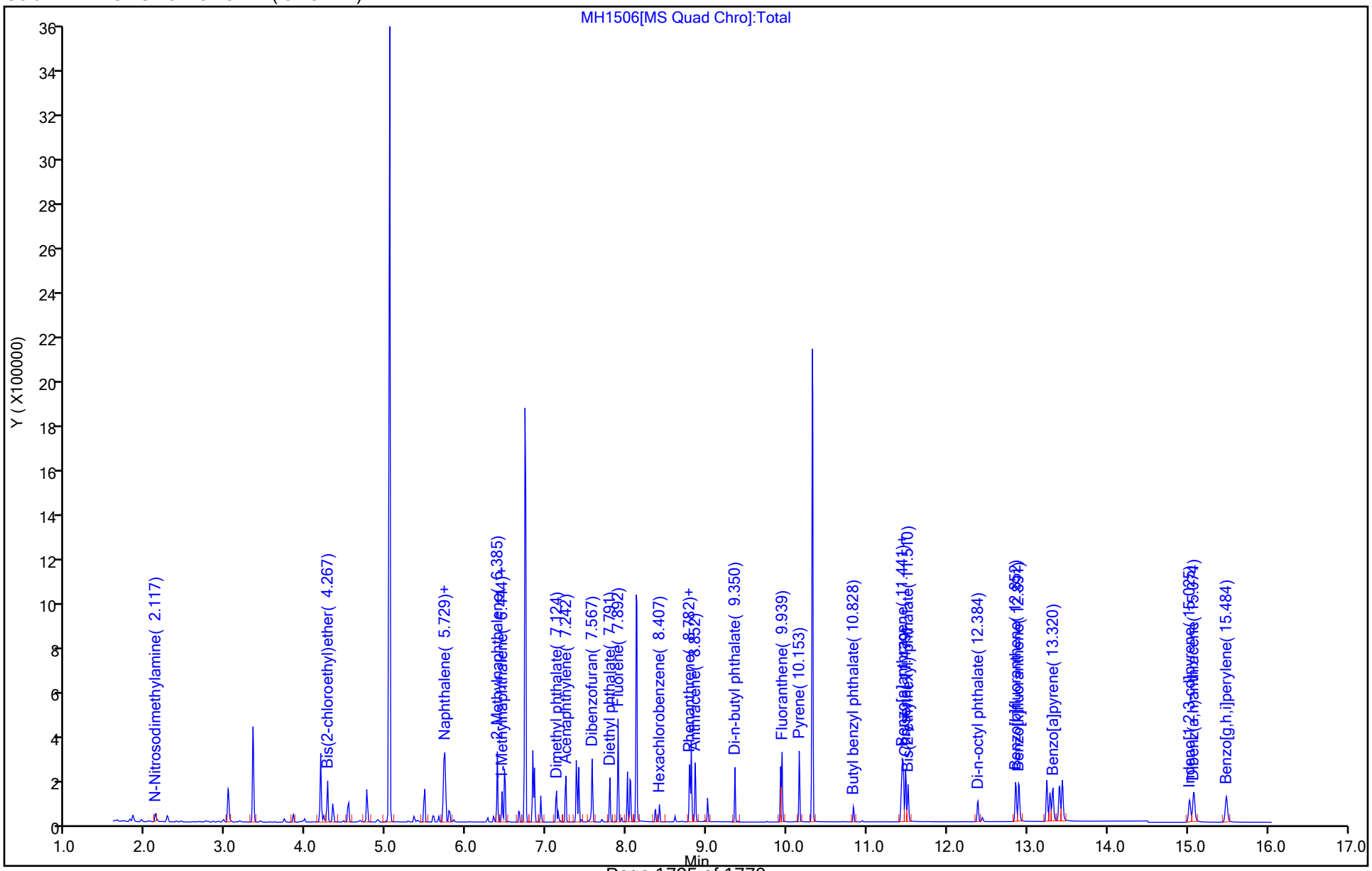
Report Date: 22-Aug-2022 19:18:45 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1506.D

Injection Date:	22-Aug-2022 09:05:40	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-94417-D-1-A MS RE			Worklist Smp#:	7
Client ID:	FBS010-MS_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1506.D
Lims ID: 410-94417-D-1-A MS RE
Client ID: FBS010-MS_082022
Sample Type: MS
Inject. Date: 22-Aug-2022 09:05:40 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-D-1-A MS
Misc. Info.: 410-0064632-007
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:32:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1719	68.75
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2015	80.61
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1952	78.09

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

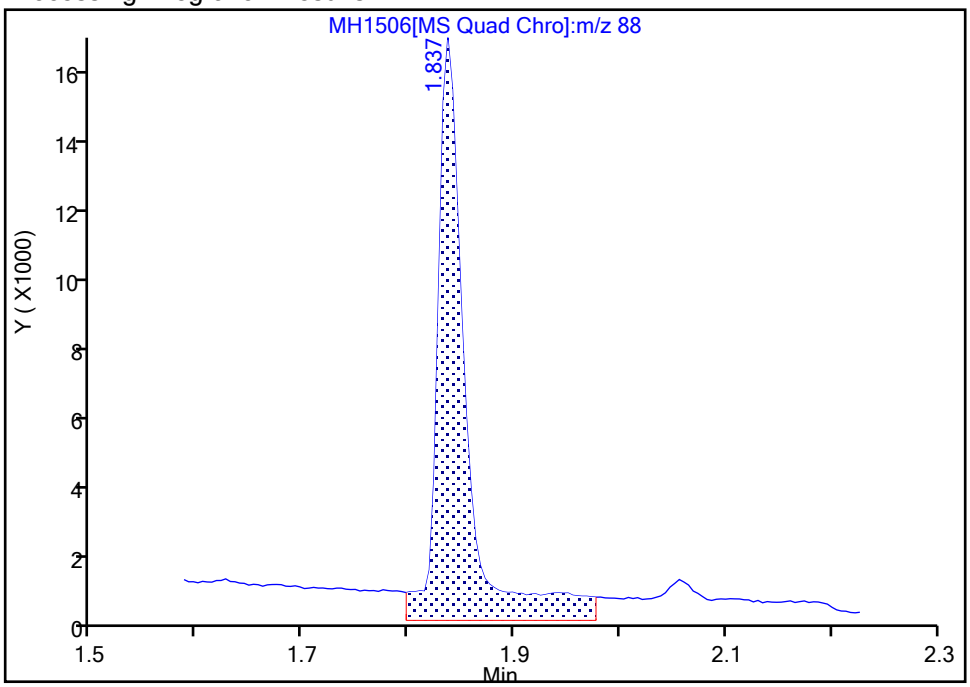
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1506.D				
Injection Date:	22-Aug-2022 09:05:40	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-A MS RE				
Client ID:	FBS010-MS_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

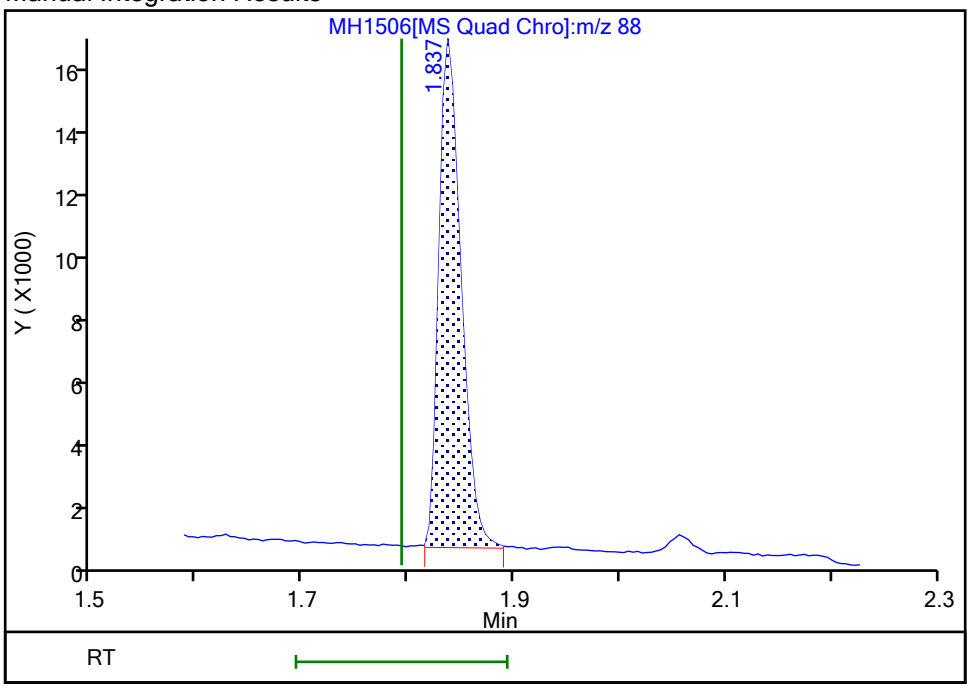
Processing Integration Results

RT: 1.84
Area: 30272
Amount: 0.158861
Amount Units: ug/ml



Manual Integration Results

RT: 1.84
Area: 22351
Amount: 0.117293
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:31:18

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

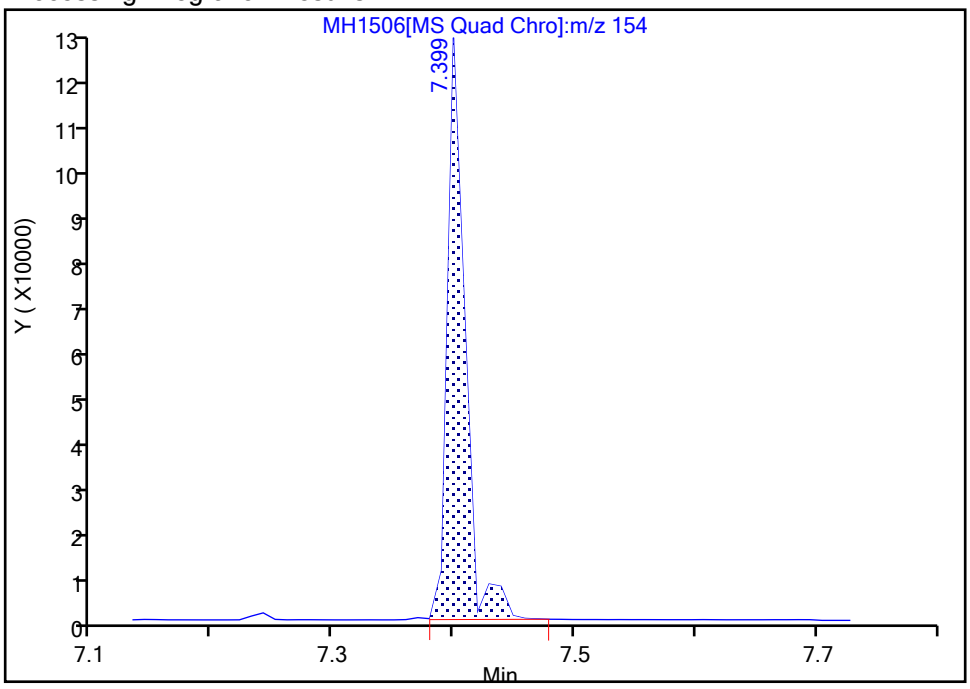
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1506.D				
Injection Date:	22-Aug-2022 09:05:40	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-A MS RE				
Client ID:	FBS010-MS_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

14 Acenaphthene, CAS: 83-32-9

Signal: 1

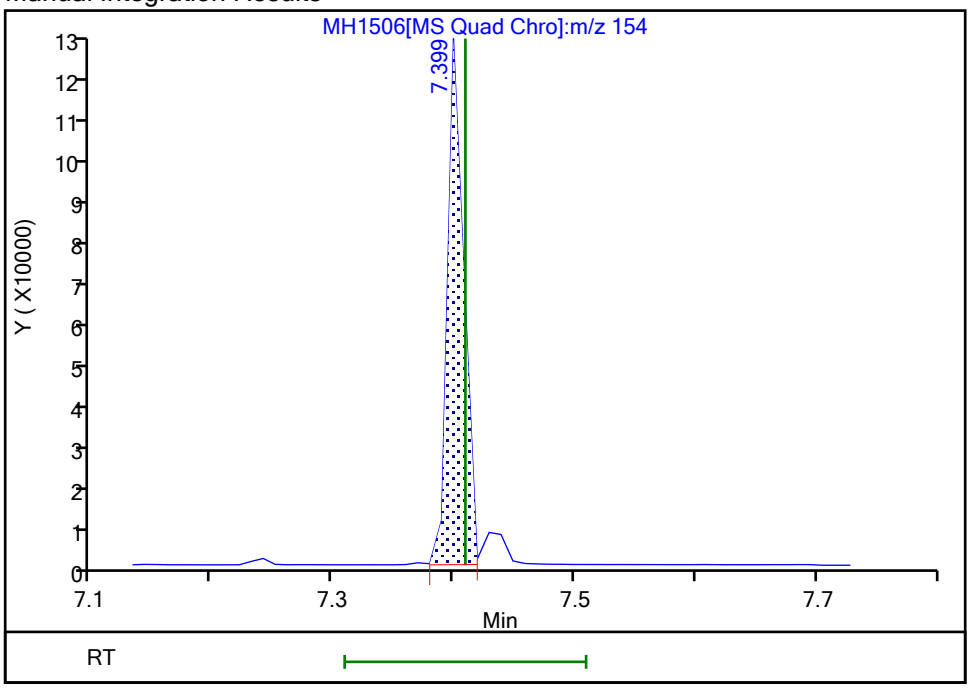
Processing Integration Results

RT: 7.40
Area: 127718
Amount: 0.210737
Amount Units: ug/ml



Manual Integration Results

RT: 7.40
Area: 118045
Amount: 0.194776
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:31:41

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

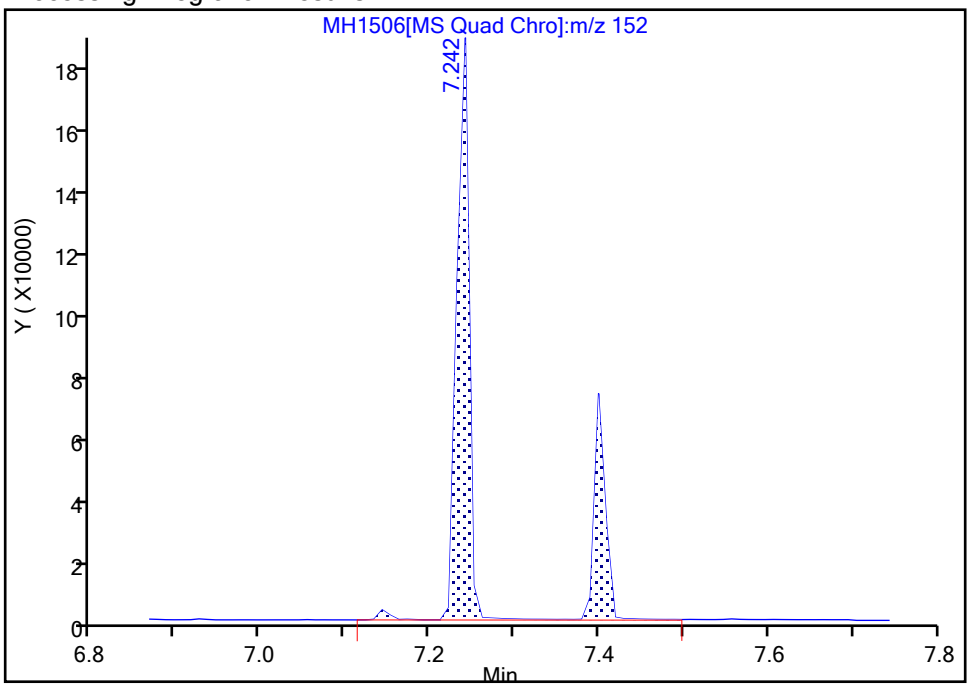
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1506.D				
Injection Date:	22-Aug-2022 09:05:40	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-A MS RE				
Client ID:	FBS010-MS_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

12 Acenaphthylene, CAS: 208-96-8

Signal: 1

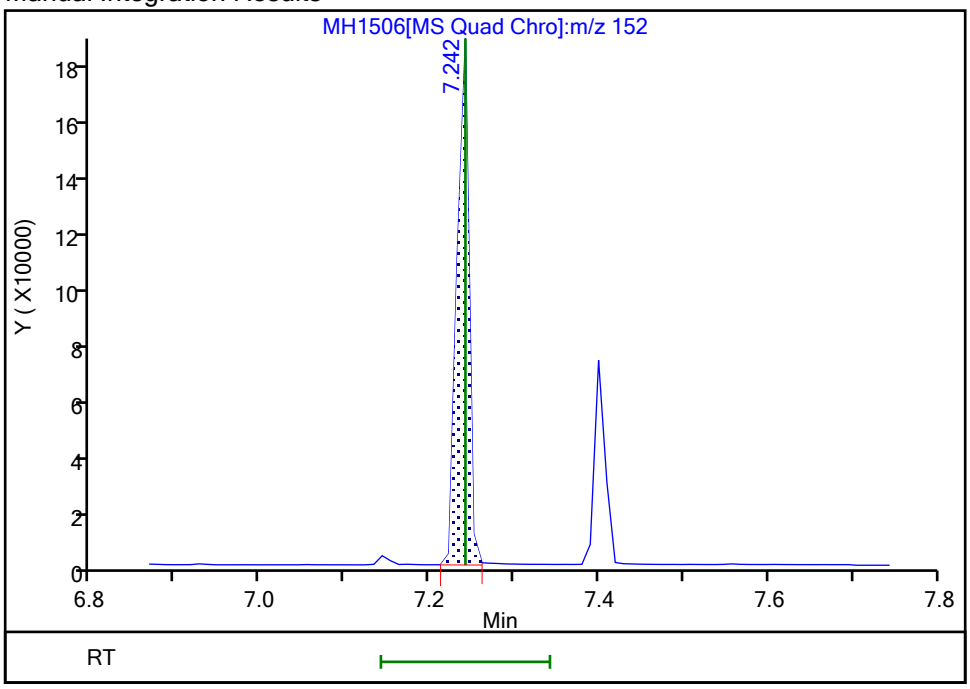
Processing Integration Results

RT: 7.24
Area: 258570
Amount: 0.264787
Amount Units: ug/ml



Manual Integration Results

RT: 7.24
Area: 185908
Amount: 0.190378
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:31:33

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

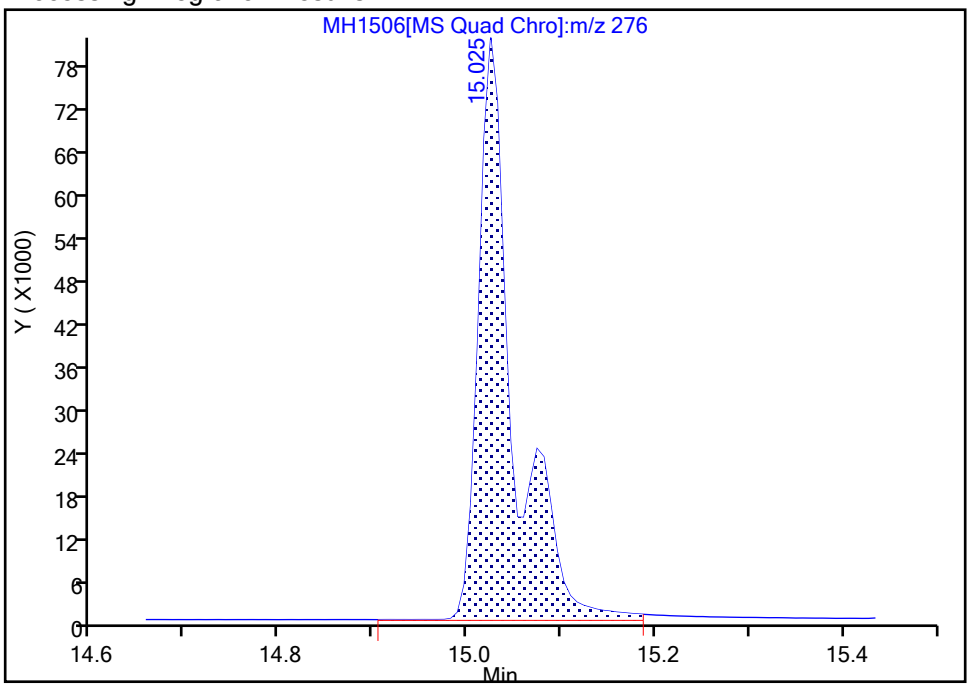
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1506.D				
Injection Date:	22-Aug-2022 09:05:40	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-A MS RE				
Client ID:	FBS010-MS_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

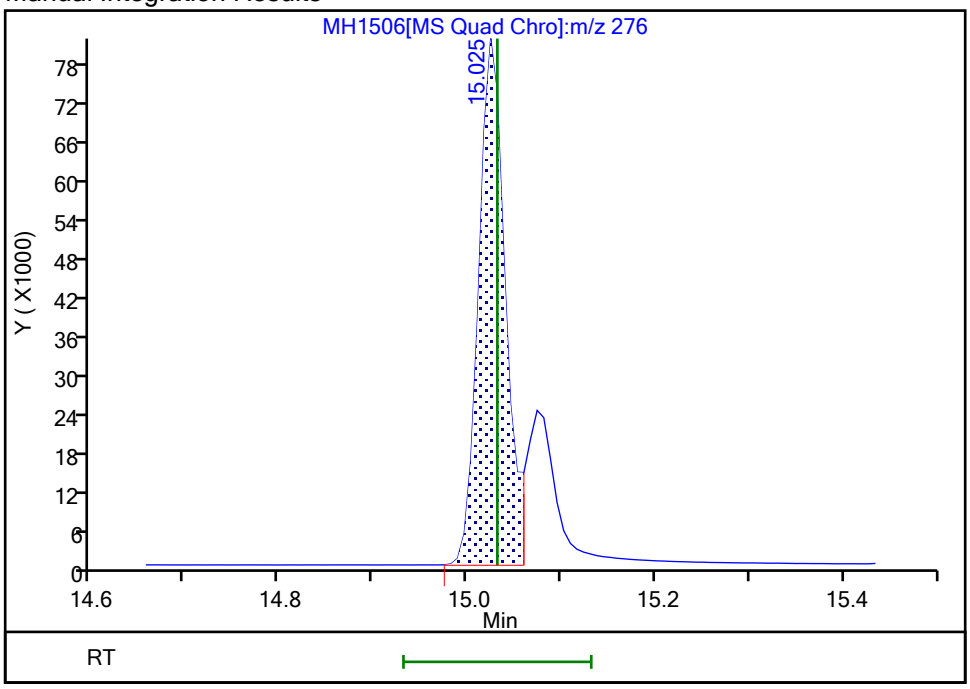
Processing Integration Results

RT: 15.02
Area: 213381
Amount: 0.274426
Amount Units: ug/ml



Manual Integration Results

RT: 15.02
Area: 159861
Amount: 0.205595
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:32:04

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MSD_082022 MSD
Lab Sample ID: 410-94417-1 MSD

Matrix: Water
Lab File ID: MH1425.D

Analysis Method: 8270D SIM
Date Collected: 08/11/2022 12:05

Extract. Method: 3510C
Date Extracted: 08/18/2022 09:43

Sample wt/vol: 240.5(mL)
Date Analyzed: 08/19/2022 04:23

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 287573
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.458		0.31	0.10
90-12-0	1-Methylnaphthalene	0.686		0.052	0.021
91-57-6	2-Methylnaphthalene	0.657		0.052	0.021
83-32-9	Acenaphthene	0.867		0.052	0.010
208-96-8	Acenaphthylene	0.775		0.052	0.010
120-12-7	Anthracene	0.874		0.052	0.010
56-55-3	Benzo[a]anthracene	0.867		0.052	0.010
50-32-8	Benzo[a]pyrene	0.786		0.052	0.010
205-99-2	Benzo[b]fluoranthene	0.784		0.052	0.010
191-24-2	Benzo[g,h,i]perylene	0.579		0.052	0.010
207-08-9	Benzo[k]fluoranthene	0.849		0.052	0.010
111-44-4	Bis(2-chloroethyl)ether	0.885		0.052	0.021
85-68-7	Butylbenzylphthalate	0.569	J	1.0	0.052
218-01-9	Chrysene	0.833		0.052	0.010
53-70-3	Dibenz(a,h)anthracene	0.593		0.052	0.021
132-64-9	Dibenzofuran	0.838		0.052	0.010
84-66-2	Diethylphthalate	0.613	J	1.0	0.052
131-11-3	Dimethylphthalate	0.202	J	1.0	0.052
117-84-0	Di-n-octyl phthalate	0.868	J	1.0	0.052
206-44-0	Fluoranthene	0.911		0.052	0.010
86-73-7	Fluorene	0.821		0.052	0.010
118-74-1	Hexachlorobenzene	0.886		0.052	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	0.607		0.052	0.021
91-20-3	Naphthalene	0.685		0.073	0.031
62-75-9	N-Nitrosodimethylamine	0.691		0.052	0.021
85-01-8	Phenanthrene	0.878		0.073	0.031
129-00-0	Pyrene	0.826		0.052	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MSD_082022 MSD Lab Sample ID: 410-94417-1 MSD

Matrix: Water Lab File ID: MH1425.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 12:05

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 240.5(mL) Date Analyzed: 08/19/2022 04:23

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287573 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	67		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	80		10-110
93951-69-0	Fluoranthene-d10 (Surr)	83		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1425.D
Lims ID: 410-94417-G-1-B MSD
Client ID: FBS010-MSD_082022
Sample Type: MSD
Inject. Date: 19-Aug-2022 04:23:49 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-B MSD
Misc. Info.: 410-0064495-025
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 07:12:32 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:11:22

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.841	1.841	0.030	88	22826	0.2500	0.1102	M
	2 N-Nitrosodimethylamine	74	2.126	2.100	0.026	88	42108	0.2500	0.1661	
	3 Bis(2-chloroethyl)ether	93	4.280	4.280	0.000	83	104115	0.2500	0.2129	
*	4 1,4-Dichlorobenzene-d4	152	4.542	4.542	0.000	89	73661	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.729	5.729	0.000	91	279450	0.2500	0.2500	
	6 Naphthalene	128	5.742	5.742	0.000	93	230230	0.2500	0.1648	
	8 2-Methylnaphthalene	142	6.396	6.396	0.000	96	135945	0.2500	0.1580	
$	9 1-Methylnaphthalene-d10	152	6.455	6.455	0.000	96	106689	0.2500	0.1671	
	10 1-Methylnaphthalene	142	6.485	6.485	0.000	100	132558	0.2500	0.1650	
	11 Dimethyl phthalate	163	7.125	7.135	-0.010	76	33221	0.2500	0.0487	
	12 Acenaphthylene	152	7.253	7.253	0.000	96	206445	0.2500	0.1864	
*	13 Acenaphthene-d10	164	7.381	7.381	0.000	95	137146	0.2500	0.2500	
	14 Acenaphthene	154	7.411	7.411	0.000	90	143321	0.2500	0.2085	
	15 Dibenzofuran	168	7.578	7.578	0.000	90	210451	0.2500	0.2016	
	16 Diethyl phthalate	149	7.800	7.793	0.000	99	96281	0.2500	0.1473	
	17 Fluorene	166	7.901	7.901	0.000	97	159684	0.2500	0.1975	
	19 Hexachlorobenzene	284	8.416	8.417	-0.008	98	46550	0.2500	0.2132	
*	20 Phenanthrene-d10	188	8.791	8.799	-0.008	94	230737	0.2500	0.2500	
	21 Phenanthrene	178	8.814	8.807	-0.001	100	233743	0.2500	0.2112	
	22 Anthracene	178	8.861	8.861	-0.008	100	217009	0.2500	0.2103	
	23 Di-n-butyl phthalate	149	9.358	9.356	-0.006	100	3726175	0.2500	4.40	
$	24 Fluoranthene-d10 (Surr)	212	9.928	9.926	-0.007	99	200785	0.2500	0.2065	
	25 Fluoranthene	202	9.947	9.945	-0.006	100	262540	0.2500	0.2190	
	26 Pyrene	202	10.160	10.167	-0.007	100	261366	0.2500	0.1987	
	27 Butyl benzyl phthalate	149	10.837	10.844	-0.007	100	27021	0.2500	0.1369	
	28 Benzo[a]anthracene	228	11.450	11.458	-0.008	100	219617	0.2500	0.2084	
*	29 Chrysene-d12	240	11.465	11.466	-0.001	58	200945	0.2500	0.2500	
	30 Chrysene	228	11.489	11.496	-0.008	100	235951	0.2500	0.2004	
	31 Bis(2-ethylhexyl) phthalate	149	11.519	11.527	-0.008	100	188824	0.2500	0.4901	
	32 Di-n-octyl phthalate	149	12.394	12.394	-0.007	100	113475	0.2500	0.2087	
	33 Benzo[b]fluoranthene	252	12.869	12.862	0.000	100	205270	0.2500	0.1886	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.907	12.908	-0.008	100	237110	0.2500	0.2041	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.299	13.299	-0.007	100	147327	0.2500	0.1989	
37 Benzo[a]pyrene	252	13.329	13.329	-0.008	100	187603	0.2500	0.1890	
* 38 Perylene-d12	264	13.414	13.421	-0.007	100	200343	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.047	15.047	0.000	100	123170	0.2500	0.1460	M
41 Dibenz(a,h)anthracene	278	15.096	15.095	-0.007	98	139697	0.2500	0.1426	
42 Benzo[g,h,i]perylene	276	15.506	15.504	-0.007	98	150552	0.2500	0.1392	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

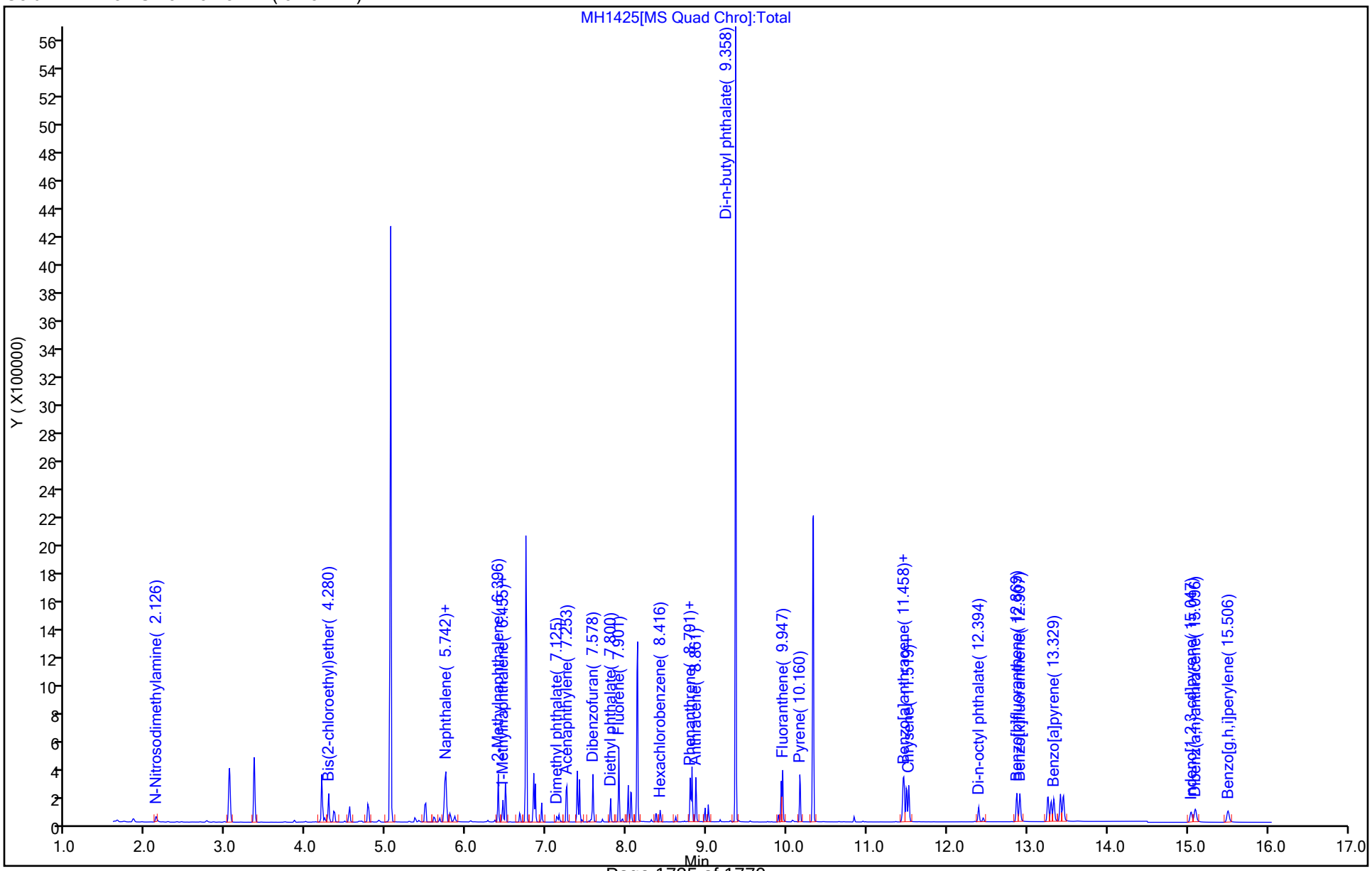
MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 19-Aug-2022 07:13:20 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1425.D				
Injection Date:	19-Aug-2022 04:23:49	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	410-94417-G-1-B MSD			Worklist Smp#:	25
Client ID:	FBS010-MSD_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1425.D
Lims ID: 410-94417-G-1-B MSD
Client ID: FBS010-MSD_082022
Sample Type: MSD
Inject. Date: 19-Aug-2022 04:23:49 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-B MSD
Misc. Info.: 410-0064495-025
Operator ID: kel10217 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 07:12:32 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:11:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1671	66.83
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2065	82.62
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1989	79.57

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

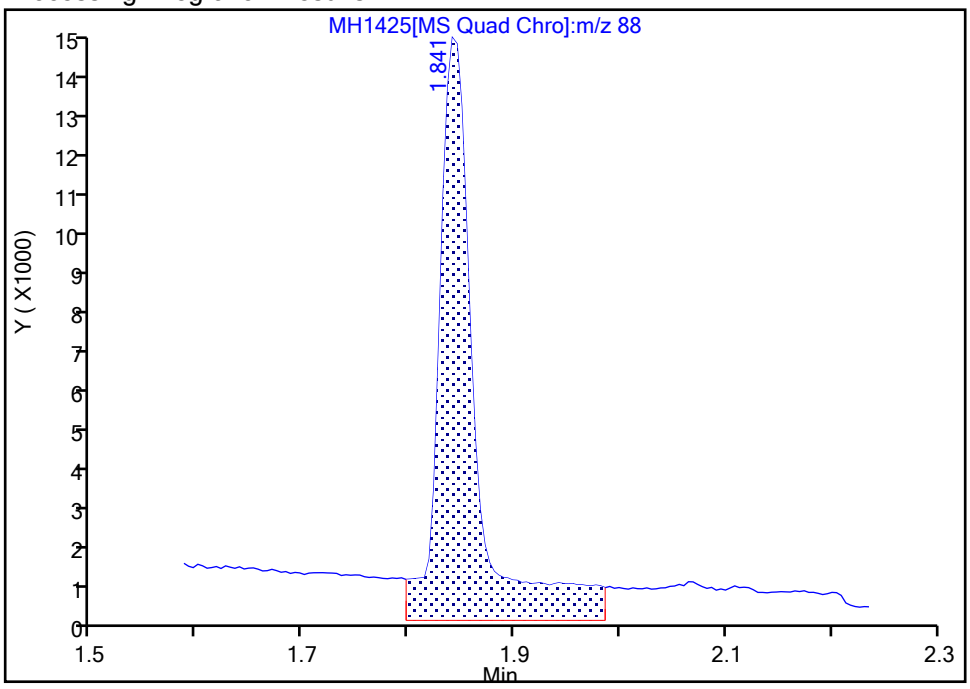
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1425.D				
Injection Date:	19-Aug-2022 04:23:49	Instrument ID:	HP21585		
Lims ID:	410-94417-G-1-B MSD				
Client ID:	FBS010-MSD_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

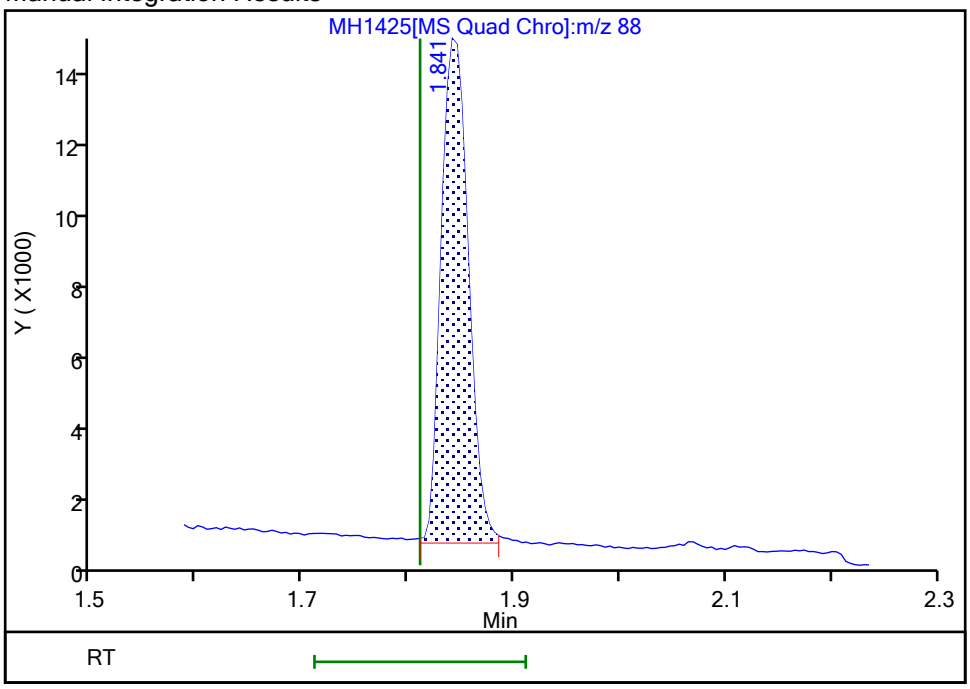
Processing Integration Results

RT: 1.84
Area: 32774
Amount: 0.158206
Amount Units: ug/ml



Manual Integration Results

RT: 1.84
Area: 22826
Amount: 0.110185
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 07:10:53
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

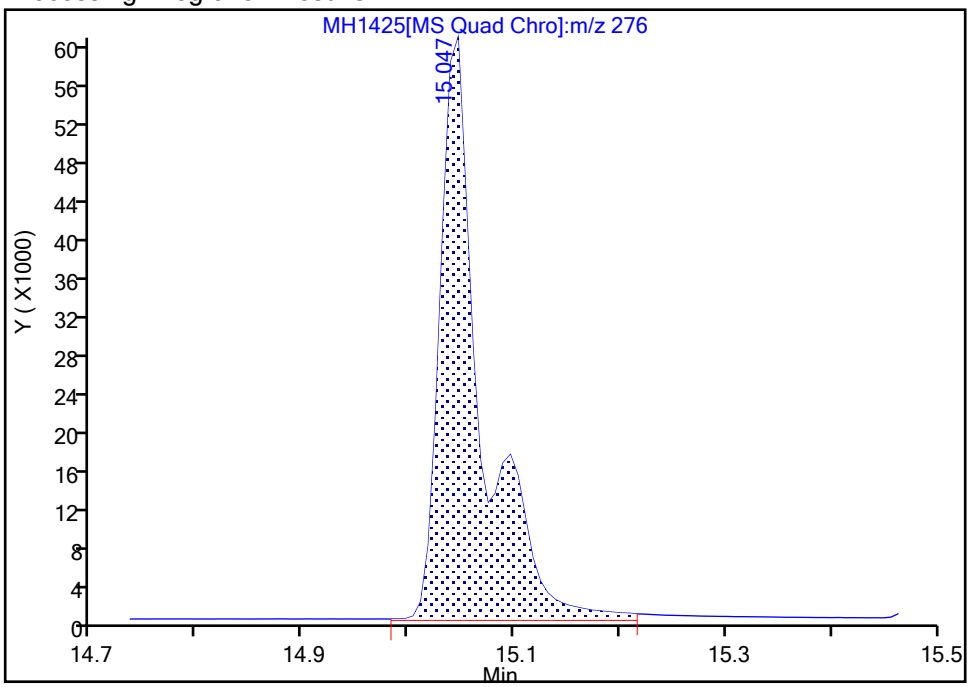
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220818-64495.b\MH1425.D				
Injection Date:	19-Aug-2022 04:23:49	Instrument ID:	HP21585		
Lims ID:	410-94417-G-1-B MSD				
Client ID:	FBS010-MSD_082022				
Operator ID:	kel10217	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

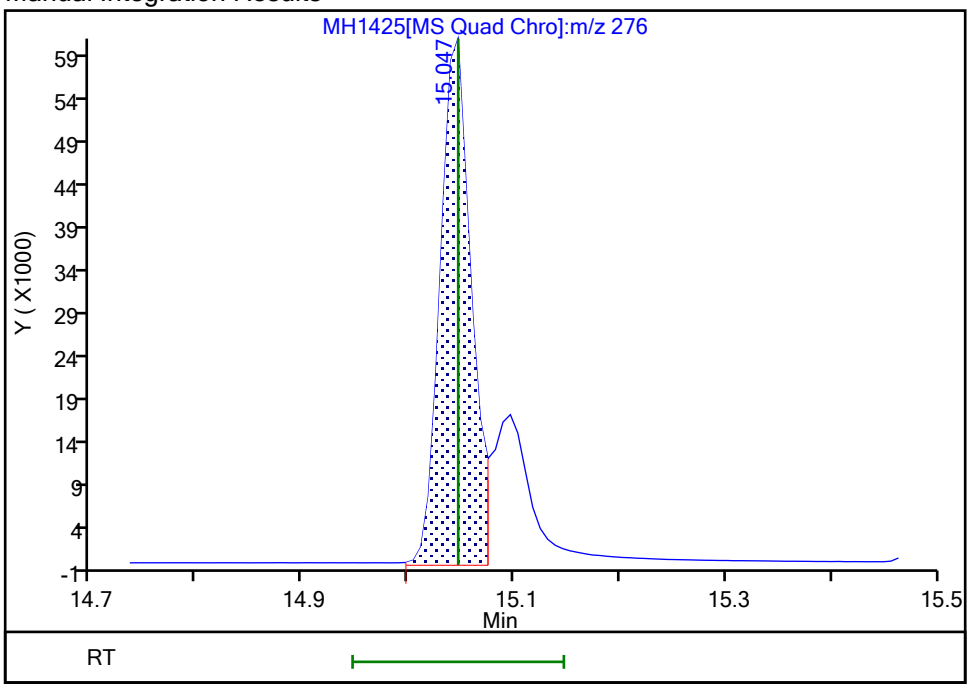
Processing Integration Results

RT: 15.05
Area: 167688
Amount: 0.198770
Amount Units: ug/ml



Manual Integration Results

RT: 15.05
Area: 123170
Amount: 0.146000
Amount Units: ug/ml



Reviewer: UJM0, 19-Aug-2022 07:11:18

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MSD_082022 MSD RA Lab Sample ID: 410-94417-1 MSD RA

Matrix: Water Lab File ID: NH1307.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 12:05

Extract. Method: 3510C Date Extracted: 08/18/2022 09:43

Sample wt/vol: 240.5(mL) Date Analyzed: 08/19/2022 07:03

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 287637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	1.57		1.0	0.052
84-74-2	Di-n-butyl phthalate	14.5		1.0	0.052

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	67		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	78		10-110
93951-69-0	Fluoranthene-d10 (Surr)	77		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1307.D
Lims ID: 410-94417-G-1-B MSD
Client ID: FBS010-MSD_082022
Sample Type: MSD
Inject. Date: 19-Aug-2022 07:03:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-B MSD
Misc. Info.: 410-0064507-008
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:28:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.516	1.486	0.030	94	16111	0.2500	0.0947	M
2 N-Nitrosodimethylamine	74	1.849	1.809	0.035	87	29104	0.2500	0.1543	
3 Bis(2-chloroethyl)ether	93	4.105	4.105	0.000	94	74895	0.2500	0.1817	
* 4 1,4-Dichlorobenzene-d4	152	4.355	4.367	-0.012	81	61228	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.579	5.579	0.000	100	214468	0.2500	0.2500	
6 Naphthalene	128	5.592	5.592	0.000	89	176744	0.2500	0.1645	
8 2-Methylnaphthalene	142	6.254	6.254	0.000	96	107437	0.2500	0.1665	
$ 9 1-Methylnaphthalene-d10	152	6.314	6.314	0.000	99	78475	0.2500	0.1679	
10 1-Methylnaphthalene	142	6.344	6.344	0.000	97	102280	0.2500	0.1745	
11 Dimethyl phthalate	163	7.005	6.986	0.010	98	24644	0.2500	0.0586	
12 Acenaphthylene	152	7.105	7.096	-0.001	99	158325	0.2500	0.1830	
* 13 Acenaphthene-d10	164	7.246	7.246	0.000	94	93818	0.2500	0.2500	
14 Acenaphthene	154	7.266	7.256	0.000	94	88898	0.2500	0.1722	
15 Dibenzofuran	168	7.436	7.426	0.000	76	146079	0.2500	0.1840	M
16 Diethyl phthalate	149	7.672	7.672	0.008	97	75681	0.2500	0.1775	
17 Fluorene	166	7.757	7.754	-0.008	95	114730	0.2500	0.2002	
19 Hexachlorobenzene	284	8.274	8.274	0.000	100	35058	0.2500	0.1785	
* 20 Phenanthrene-d10	188	8.653	8.653	0.000	100	163932	0.2500	0.2500	
21 Phenanthrene	178	8.668	8.668	0.000	100	160869	0.2500	0.1855	
22 Anthracene	178	8.722	8.722	0.000	100	146323	0.2500	0.1790	
23 Di-n-butyl phthalate	149	9.227	9.227	0.000	100	2113258	0.2500	3.48	
$ 24 Fluoranthene-d10 (Surr)	212	9.785	9.785	0.000	97	128241	0.2500	0.1932	
25 Fluoranthene	202	9.798	9.798	0.000	97	157589	0.2500	0.1901	
26 Pyrene	202	10.011	10.018	0.000	99	168272	0.2500	0.1785	
27 Butyl benzyl phthalate	149	10.674	10.681	0.000	100	18632	0.2500	0.0770	
28 Benzo[a]anthracene	228	11.249	11.257	-0.001	97	135993	0.2500	0.2017	
* 29 Chrysene-d12	240	11.257	11.257	0.000	98	116794	0.2500	0.2500	
30 Chrysene	228	11.288	11.295	0.000	100	132699	0.2500	0.1729	
31 Bis(2-ethylhexyl) phthalate	149	11.326	11.334	0.000	99	118623	0.2500	0.3781	
32 Di-n-octyl phthalate	149	12.162	12.162	0.000	100	80940	0.2500	0.1687	M
33 Benzo[b]fluoranthene	252	12.607	12.607	0.000	100	132079	0.2500	0.2236	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.645	12.645	0.000	100	142219	0.2500	0.1867	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.021	13.021	0.000	98	84494	0.2500	0.1960	
37 Benzo[a]pyrene	252	13.052	13.052	0.000	100	113866	0.2500	0.1814	
* 38 Perylene-d12	264	13.136	13.136	0.000	96	114105	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.674	14.674	-0.001	97	81087	0.2500	0.1923	
41 Dibenz(a,h)anthracene	278	14.717	14.717	0.000	98	92825	0.2500	0.1871	
42 Benzo[g,h,i]perylene	276	15.091	15.091	0.000	99	105500	0.2500	0.1765	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

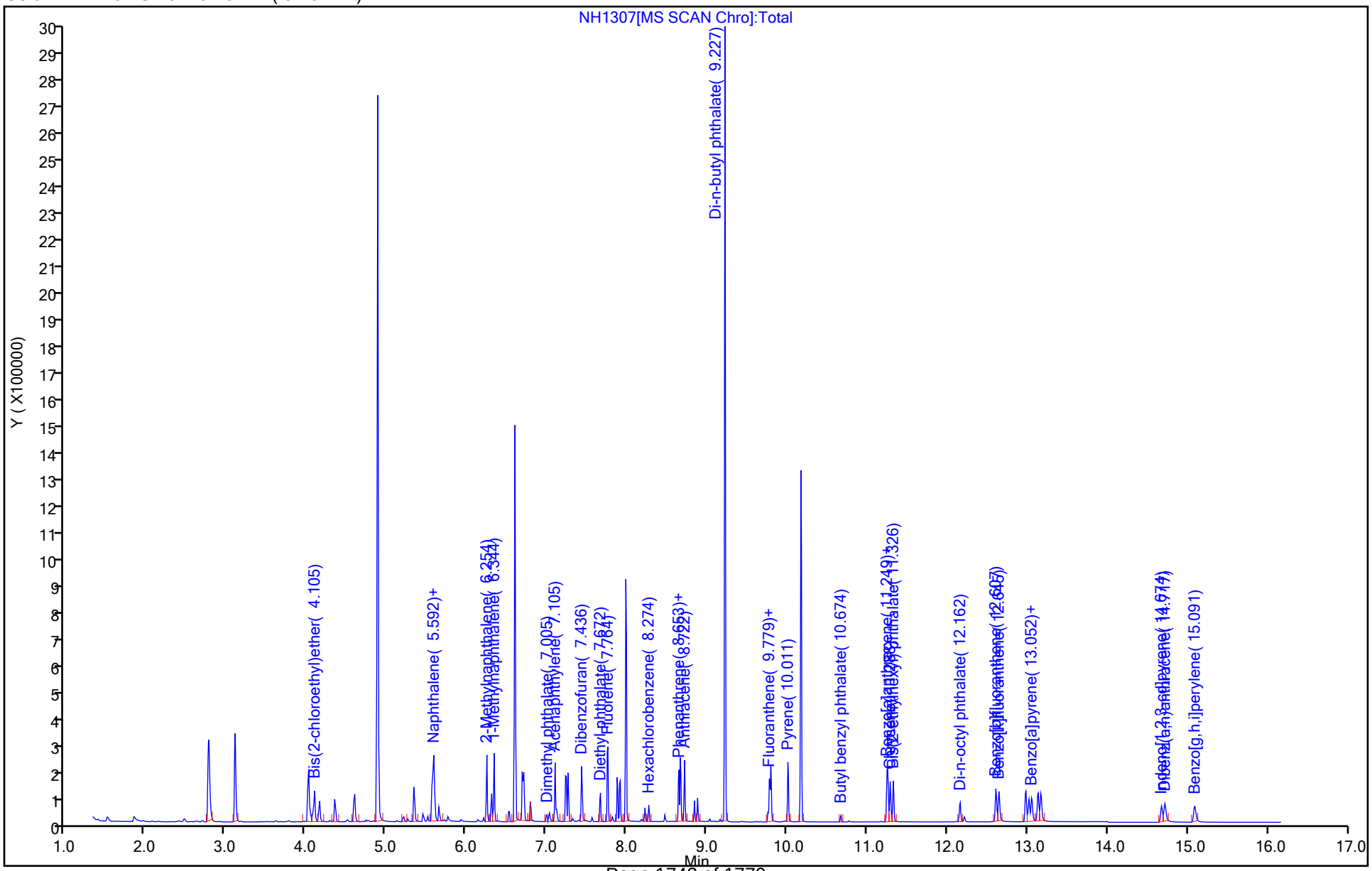
Report Date: 19-Aug-2022 08:31:05 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1307.D

Injection Date:	19-Aug-2022 07:03:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-94417-G-1-B MSD			Worklist Smp#:	8
Client ID:	FBS010-MSD_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\NH1307.D
Lims ID: 410-94417-G-1-B MSD
Client ID: FBS010-MSD_082022
Sample Type: MSD
Inject. Date: 19-Aug-2022 07:03:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-G-1-B MSD
Misc. Info.: 410-0064507-008
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220819-64507.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 19-Aug-2022 08:30:43 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: UJM0 Date: 19-Aug-2022 07:28:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1679	67.14
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1932	77.28
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1960	78.40

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MSD_082022 MSD RE
Lab Sample ID: 410-94417-1 MSD RE

Matrix: Water
Lab File ID: MH1507.D

Analysis Method: 8270D SIM
Date Collected: 08/11/2022 12:05

Extract. Method: 3510C
Date Extracted: 08/21/2022 10:35

Sample wt/vol: 240.3(mL)
Date Analyzed: 08/22/2022 09:27

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 288195
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	*1,4-Dioxane*	*0.505*		*0.31*	*0.10*
90-12-0	*1-Methylnaphthalene*	*0.709*		*0.052*	*0.021*
91-57-6	*2-Methylnaphthalene*	*0.670*		*0.052*	*0.021*
83-32-9	*Acenaphthene*	*0.828*		*0.052*	*0.010*
208-96-8	*Acenaphthylene*	*0.805*		*0.052*	*0.010*
120-12-7	*Anthracene*	*0.901*		*0.052*	*0.010*
56-55-3	*Benzo[a]anthracene*	*0.893*		*0.052*	*0.010*
50-32-8	*Benzo[a]pyrene*	*0.799*		*0.052*	*0.010*
205-99-2	*Benzo[b]fluoranthene*	*0.782*		*0.052*	*0.010*
191-24-2	*Benzo[g,h,i]perylene*	*0.856*		*0.052*	*0.010*
207-08-9	*Benzo[k]fluoranthene*	*0.833*		*0.052*	*0.010*
111-44-4	*Bis(2-chloroethyl)ether*	*0.882*		*0.052*	*0.021*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*1.61*		*1.0*	*0.052*
85-68-7	*Butylbenzylphthalate*	*1.11*		*1.0*	*0.052*
218-01-9	*Chrysene*	*0.873*		*0.052*	*0.010*
53-70-3	*Dibenz(a,h)anthracene*	*0.866*		*0.052*	*0.021*
132-64-9	*Dibenzofuran*	*0.892*		*0.052*	*0.010*
84-66-2	*Diethylphthalate*	*0.917*	*J*	*1.0*	*0.052*
131-11-3	*Dimethylphthalate*	*0.801*	*J*	*1.0*	*0.052*
84-74-2	*Di-n-butyl phthalate*	*0.942*	*J*	*1.0*	*0.052*
117-84-0	*Di-n-octyl phthalate*	*0.870*	*J*	*1.0*	*0.052*
206-44-0	*Fluoranthene*	*0.904*		*0.052*	*0.010*
86-73-7	*Fluorene*	*0.868*		*0.052*	*0.010*
118-74-1	*Hexachlorobenzene*	*0.957*		*0.052*	*0.021*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*0.859*		*0.052*	*0.021*
91-20-3	*Naphthalene*	*0.704*		*0.073*	*0.031*
62-75-9	*N-Nitrosodimethylamine*	*0.680*		*0.052*	*0.021*
85-01-8	*Phenanthrene*	*0.909*		*0.073*	*0.031*
129-00-0	*Pyrene*	*0.859*		*0.052*	*0.010*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-94417-1

SDG No.:

Client Sample ID: FBS010-MSD_082022 MSD RE Lab Sample ID: 410-94417-1 MSD RE

Matrix: Water Lab File ID: MH1507.D

Analysis Method: 8270D SIM Date Collected: 08/11/2022 12:05

Extract. Method: 3510C Date Extracted: 08/21/2022 10:35

Sample wt/vol: 240.3(mL) Date Analyzed: 08/22/2022 09:27

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 288195 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	71		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	79		10-110
93951-69-0	Fluoranthene-d10 (Surr)	81		47-128

Report Date: 22-Aug-2022 19:18:46 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1507.D
Lims ID: 410-94417-D-1-B MSD RE
Client ID: FBS010-MSD_082022
Sample Type: MSD
Inject. Date: 22-Aug-2022 09:27:02 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-D-1-B MSD
Misc. Info.: 410-0064632-008
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:33:13

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.828	1.819	0.035	88	22744	0.2500	0.1213	M
	2 N-Nitrosodimethylamine	74	2.113	2.078	0.035	89	37496	0.2500	0.1634	
	3 Bis(2-chloroethyl)ether	93	4.267	4.267	0.000	91	96431	0.2500	0.2121	
*	4 1,4-Dichlorobenzene-d4	152	4.530	4.530	0.000	61	66663	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.717	5.717	0.000	91	259902	0.2500	0.2500	
	6 Naphthalene	128	5.729	5.729	0.000	93	219754	0.2500	0.1692	
	8 2-Methylnaphthalene	142	6.385	6.385	0.000	97	128836	0.2500	0.1610	
$	9 1-Methylnaphthalene-d10	152	6.444	6.444	0.000	98	105049	0.2500	0.1769	
	10 1-Methylnaphthalene	142	6.474	6.473	-0.009	100	127222	0.2500	0.1703	
	11 Dimethyl phthalate	163	7.124	7.124	0.000	75	113540	0.2500	0.1924	
	12 Acenaphthylene	152	7.242	7.242	0.000	99	185326	0.2500	0.1934	M
*	13 Acenaphthene-d10	164	7.370	7.380	-0.010	96	118640	0.2500	0.2500	
	14 Acenaphthene	154	7.399	7.399	-0.010	87	118338	0.2500	0.1990	
	15 Dibenzofuran	168	7.567	7.577	-0.010	92	193634	0.2500	0.2144	
	16 Diethyl phthalate	149	7.790	7.791	-0.001	100	124605	0.2500	0.2204	
	17 Fluorene	166	7.892	7.892	0.000	98	145942	0.2500	0.2087	
	19 Hexachlorobenzene	284	8.407	8.415	-0.008	100	44773	0.2500	0.2299	
*	20 Phenanthrene-d10	188	8.782	8.790	-0.008	95	205742	0.2500	0.2500	
	21 Phenanthrene	178	8.805	8.813	-0.008	100	215436	0.2500	0.2183	
	22 Anthracene	178	8.860	8.860	0.000	100	199243	0.2500	0.2165	
	23 Di-n-butyl phthalate	149	9.350	9.357	-0.006	100	171119	0.2500	0.2264	
$	24 Fluoranthene-d10 (Surr)	212	9.921	9.927	-0.006	99	176461	0.2500	0.2036	
	25 Fluoranthene	202	9.939	9.946	-0.007	100	232300	0.2500	0.2173	
	26 Pyrene	202	10.153	10.159	-0.006	100	234137	0.2500	0.2065	
	27 Butyl benzyl phthalate	149	10.835	10.835	0.000	100	54016	0.2500	0.2677	
	28 Benzo[a]anthracene	228	11.441	11.449	0.000	100	194895	0.2500	0.2146	
*	29 Chrysene-d12	240	11.456	11.456	0.000	59	173204	0.2500	0.2500	
	30 Chrysene	228	11.487	11.487	0.000	100	212902	0.2500	0.2097	
	31 Bis(2-ethylhexyl) phthalate	149	11.510	11.518	-0.008	100	124870	0.2500	0.3864	
	32 Di-n-octyl phthalate	149	12.384	12.392	-0.008	100	103562	0.2500	0.2091	
	33 Benzo[b]fluoranthene	252	12.860	12.860	0.000	100	186256	0.2500	0.1879	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.898	12.898	0.000	100	211745	0.2500	0.2002	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.282	13.312	-0.007	100	133148	0.2500	0.1974	
37 Benzo[a]pyrene	252	13.320	13.328	0.000	100	173600	0.2500	0.1920	
* 38 Perylene-d12	264	13.404	13.405	0.000	100	182463	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.025	15.067	-0.007	100	158567	0.2500	0.2064	M
41 Dibenz(a,h)anthracene	278	15.081	15.081	0.000	97	185567	0.2500	0.2080	
42 Benzo[g,h,i]perylene	276	15.491	15.491	0.000	98	202640	0.2500	0.2058	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

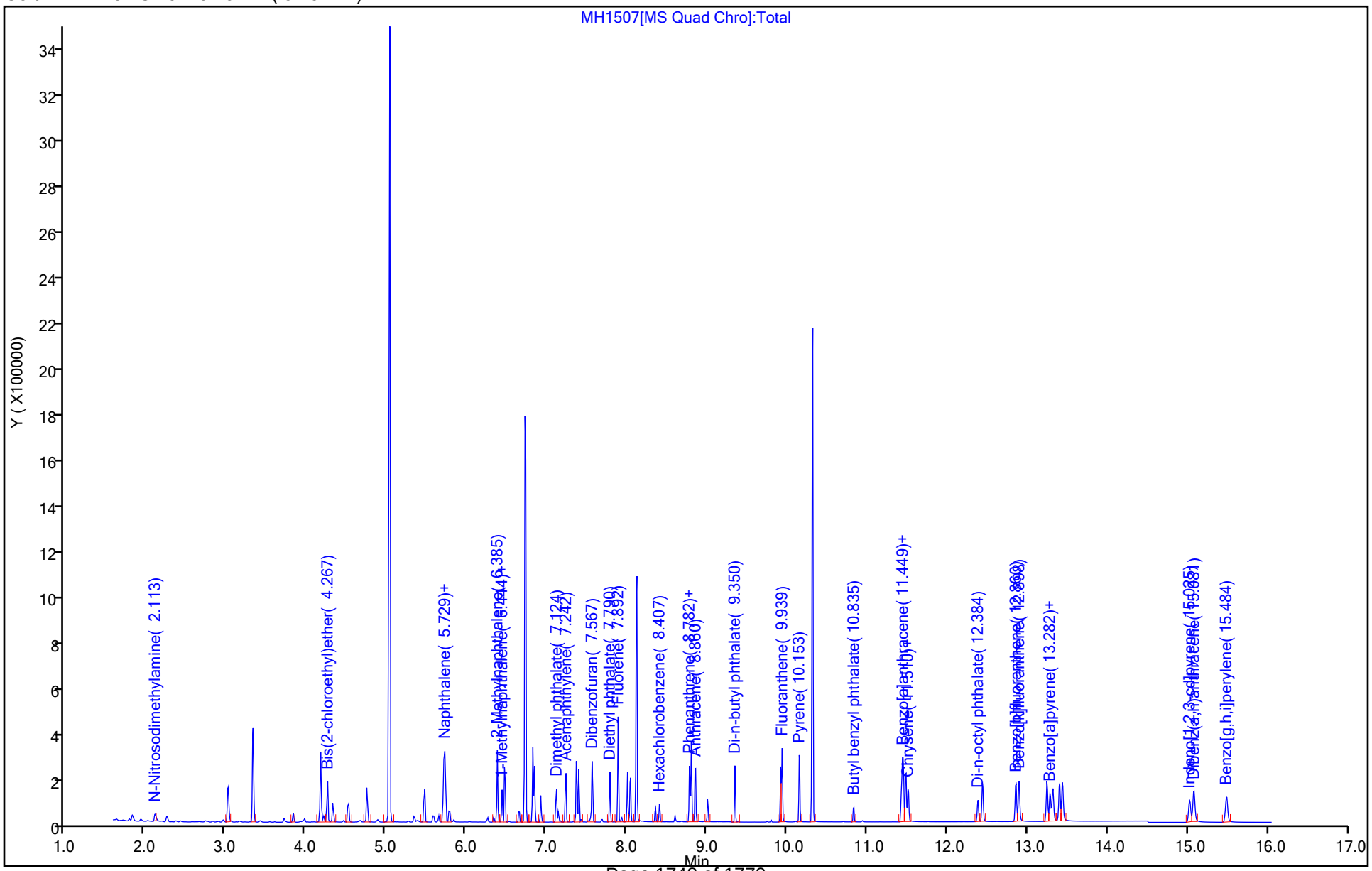
Report Date: 22-Aug-2022 19:18:47 Chrom Revision: 2.3 21-Aug-2022 20:49:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1507.D

Injection Date:	22-Aug-2022 09:27:02	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-94417-D-1-B MSD RE			Worklist Smp#:	8
Client ID:	FBS010-MSD_082022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1507.D
Lims ID: 410-94417-D-1-B MSD RE
Client ID: FBS010-MSD_082022
Sample Type: MSD
Inject. Date: 22-Aug-2022 09:27:02 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-94417-D-1-B MSD
Misc. Info.: 410-0064632-008
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Aug-2022 19:18:30 Calib Date: 28-Jul-2022 21:32:00
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220728-62933.b\MG1356.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: SJ89 Date: 22-Aug-2022 18:33:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1769	70.75
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2036	81.43
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1974	78.96

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

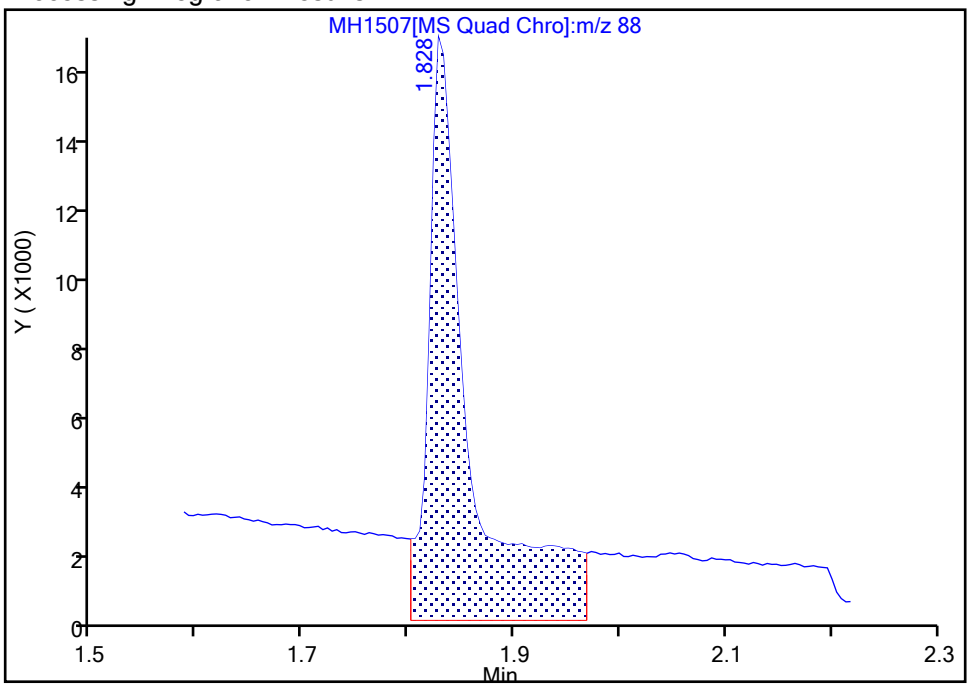
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1507.D				
Injection Date:	22-Aug-2022 09:27:02	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-B MSD RE				
Client ID:	FBS010-MSD_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

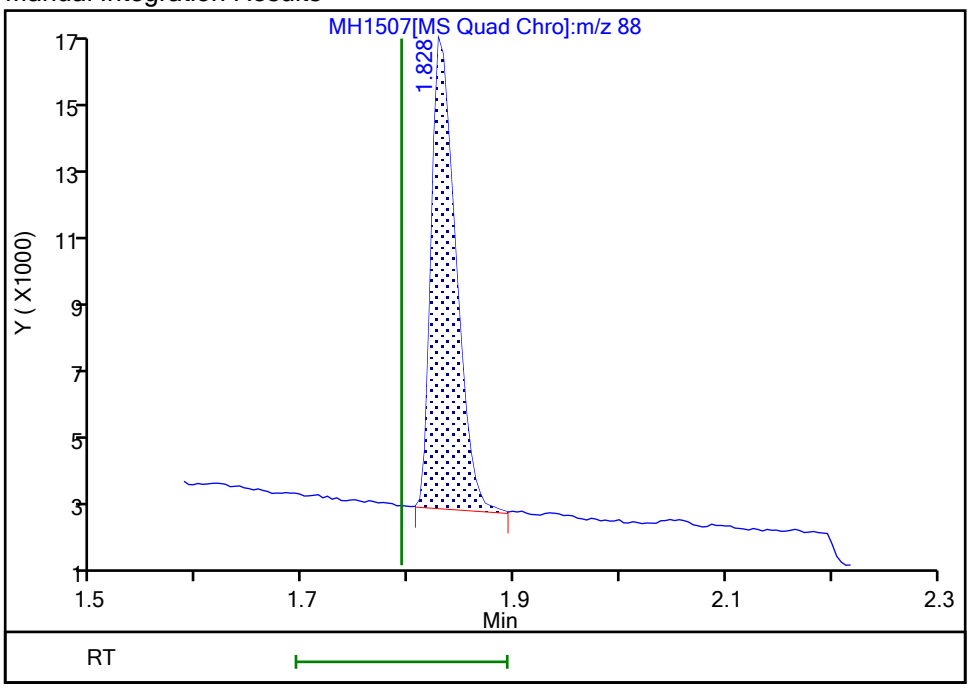
Processing Integration Results

RT: 1.83
Area: 43859
Amount: 0.233940
Amount Units: ug/ml



Manual Integration Results

RT: 1.83
Area: 22744
Amount: 0.121314
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:32:27

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

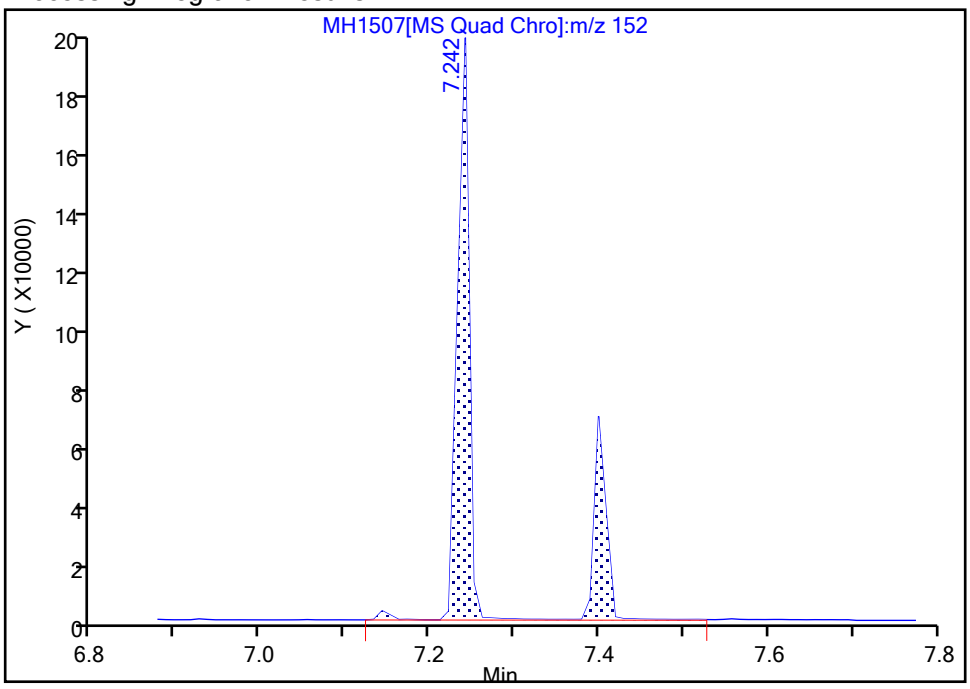
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1507.D				
Injection Date:	22-Aug-2022 09:27:02	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-B MSD RE				
Client ID:	FBS010-MSD_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

12 Acenaphthylene, CAS: 208-96-8

Signal: 1

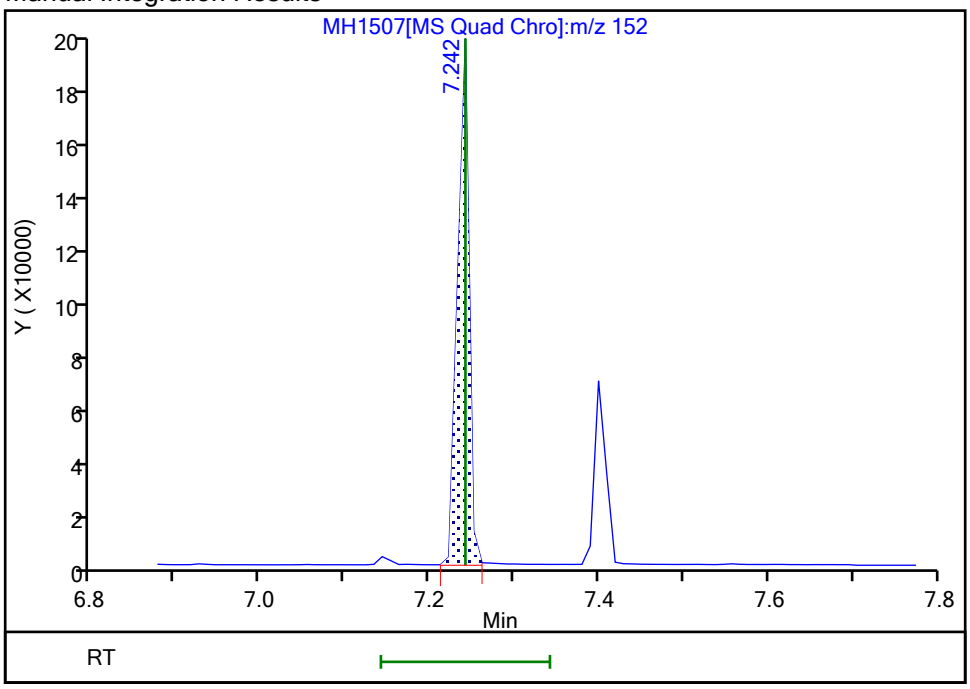
Processing Integration Results

RT: 7.24
Area: 258051
Amount: 0.269290
Amount Units: ug/ml



Manual Integration Results

RT: 7.24
Area: 185326
Amount: 0.193397
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:32:46

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

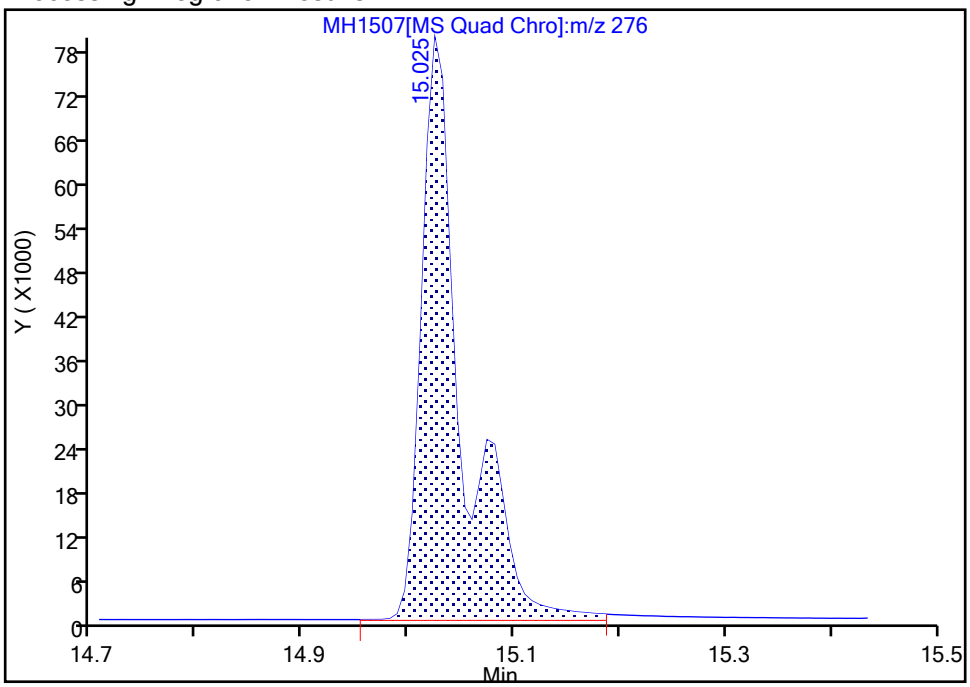
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220822-64632.b\MH1507.D				
Injection Date:	22-Aug-2022 09:27:02	Instrument ID:	HP21585		
Lims ID:	410-94417-D-1-B MSD RE				
Client ID:	FBS010-MSD_082022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

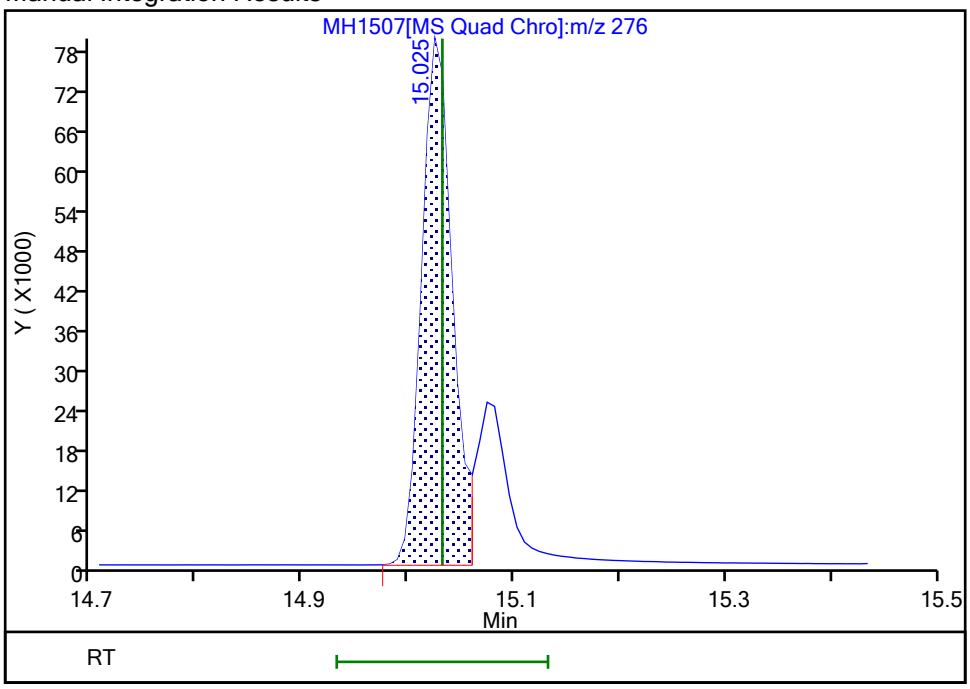
Processing Integration Results

RT: 15.02
Area: 212817
Amount: 0.276984
Amount Units: ug/ml



Manual Integration Results

RT: 15.02
Area: 158567
Amount: 0.206377
Amount Units: ug/ml



Reviewer: SJ89, 22-Aug-2022 18:33:07

Audit Action: Manually Integrated Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: HP23263 Start Date: 04/29/2022 14:24

Analysis Batch Number: 250058 End Date: 04/30/2022 00:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-250058/1		04/29/2022 14:24	1	ND1400.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-250058/2		04/29/2022 14:59	1	ND1401.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-250058/3		04/29/2022 15:37	1	ND1402.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-250058/4		04/29/2022 15:59	1	ND1403.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-250058/5		04/29/2022 16:20	1	ND1404.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-250058/6		04/29/2022 16:42	1	ND1405.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-250058/7		04/29/2022 17:03	1	ND1406.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-250058/8		04/29/2022 17:25	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-250058/9		04/29/2022 17:47	1	ND1408.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-250058/10		04/29/2022 18:08	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 18:49	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 19:11	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 19:32	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 19:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 20:16	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 20:59	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 21:21	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 21:42	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 22:04	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 22:26	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 22:47	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 23:09	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 23:30	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 23:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/30/2022 00:13	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/30/2022 00:35	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Start Date: 07/28/2022 18:23

Analysis Batch Number: 280637 End Date: 07/28/2022 22:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-280637/1		07/28/2022 18:23	1	MG1350.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-280637/2		07/28/2022 19:23	1	MG1351b.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-280637/3		07/28/2022 20:06	1	MG1352.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-280637/4		07/28/2022 20:27	1	MG1353.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-280637/5		07/28/2022 20:49	1	MG1354.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-280637/6		07/28/2022 21:10	1	MG1355.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-280637/7		07/28/2022 21:32	1	MG1356.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-280637/8		07/28/2022 21:53	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-280637/9		07/28/2022 22:14	1	MG1358.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-280637/10		07/28/2022 22:36	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Start Date: 08/16/2022 17:18

Analysis Batch Number: 286632 End Date: 08/17/2022 02:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-286632/1		08/16/2022 17:18	10	MH11250.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-286632/2		08/16/2022 17:53	1	MH1251.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-286366/1-A		08/16/2022 19:45	1	MH1255.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-286366/2-A		08/16/2022 20:06	1	MH1256.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-286366/3-A		08/16/2022 20:28	1	MH1257.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/16/2022 21:53	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 00:45	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 01:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 01:27	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 01:49	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 02:10	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 02:31	1		DB-5MS 30m 0.25 0.25(mm)
410-94417-4	FB-01_082022	08/17/2022 02:53	1	MH1275.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: HP23263 Start Date: 08/17/2022 17:31

Analysis Batch Number: 287123 End Date: 08/18/2022 03:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-287123/1		08/17/2022 17:31	1	NH1150a.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-287123/2		08/17/2022 17:51	1	NH1151.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 18:26	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 18:47	1		DB-5MS 30m 0.25 0.25(mm)
MB 410-286366/1-A RA		08/17/2022 19:09	1	NH1154.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 19:31	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 19:53	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 20:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 20:36	1		DB-5MS 30m 0.25 0.25(mm)
410-94417-4 RA	FB-01_082022 RA	08/17/2022 20:58	1	NH1159.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 21:19	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 21:41	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 22:03	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 22:25	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 22:47	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 23:08	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 23:30	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/17/2022 23:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 00:13	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 00:35	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 00:56	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 01:18	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 01:40	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 02:01	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 02:23	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 02:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 03:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 03:28	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Start Date: 08/18/2022 18:57

Analysis Batch Number: 287573 End Date: 08/19/2022 06:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-287573/1		08/18/2022 18:57	10	MH1400.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-287573/2		08/18/2022 19:16	1	MH1401.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 20:10	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 20:32	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 20:53	1		DB-5MS 30m 0.25 0.25(mm)
MB 410-287248/1-A		08/18/2022 21:14	1	MH1405.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-287248/2-A		08/18/2022 21:36	1	MH1406.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-287248/3-A		08/18/2022 21:57	1	MH1407.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/18/2022 22:19	1		DB-5MS 30m 0.25 0.25(mm)
410-94417-1	FBS010_082022	08/19/2022 03:41	1	MH1423.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-1 MS	FBS010-MS_082022 MS	08/19/2022 04:02	1	MH1424.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-1 MSD	FBS010-MSD_082022 MSD	08/19/2022 04:23	1	MH1425.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-2	FBW001_082022	08/19/2022 04:45	1	MH1426.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-3	DUP-01_082022	08/19/2022 05:06	1	MH1427.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/19/2022 05:28	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/19/2022 05:49	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/19/2022 06:10	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: HP23263 Start Date: 08/19/2022 04:21

Analysis Batch Number: 287637 End Date: 08/19/2022 08:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-287637/1		08/19/2022 04:21	1	NH1300.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-287637/2		08/19/2022 04:38	1	NH1301.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-287248/1-A		08/19/2022 05:14	1	NH1302.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-287248/2-A		08/19/2022 05:36	1	NH1303.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-287248/3-A		08/19/2022 05:58	1	NH1304.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-1 RA	FBS010_082022 RA	08/19/2022 06:19	1	NH1305.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-1 MS RA	FBS010-MS_082022 MS RA	08/19/2022 06:41	1	NH1306.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-1 MSD RA	FBS010-MSD_082022 MSD RA	08/19/2022 07:03	1	NH1307.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-2 RA	FBW001_082022 RA	08/19/2022 07:24	1	NH1308.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-3 RA	DUP-01_082022 RA	08/19/2022 07:46	1	NH1309.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/19/2022 08:08	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-94417-1

SDG No.:

Instrument ID: HP21585 Start Date: 08/22/2022 06:21

Analysis Batch Number: 288195 End Date: 08/22/2022 16:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-288195/1		08/22/2022 06:21	10	MH1500.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-288195/2		08/22/2022 07:11	1	MH1501a.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-288127/1-A		08/22/2022 07:40	1	MH1502.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-288127/2-A		08/22/2022 08:01	1	MH1503.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-288127/3-A		08/22/2022 08:22	1	MH1504.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-1 RE	FBS010_082022 RE	08/22/2022 08:44	1	MH1505.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-1 MS RE	FBS010-MS_082022 MS RE	08/22/2022 09:05	1	MH1506.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-1 MSD RE	FBS010-MSD_082022 MSD RE	08/22/2022 09:27	1	MH1507.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 09:48	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 10:10	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 10:31	1		DB-5MS 30m 0.25 0.25(mm)
410-94417-2 RE	FBW001_082022 RE	08/22/2022 10:52	1	MH1511.D	DB-5MS 30m 0.25 0.25(mm)
410-94417-3 RE	DUP-01_082022 RE	08/22/2022 11:14	1	MH1512.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 11:35	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 11:57	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 12:18	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 12:40	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 13:02	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 13:23	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 13:45	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 14:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 15:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 16:05	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		08/22/2022 16:27	5		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 250058 Batch Start Date: 04/29/22 14:24 Batch Analyst: Saadeh, William H

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVDFTPP 00009	MSS_RVSIM_1 00016	MSS_RVSIM_2 00017	MSS_RVSIM_3 00015	MSS_RVSIM_4 00019	MSS_RVSIM_5 00016
DFTPP 410-250058/1		8270D SIM		1 mL					
ICIS 410-250058/2		8270D SIM						1 mL	
IC 410-250058/3		8270D SIM							
IC 410-250058/4		8270D SIM							1 mL
IC 410-250058/5		8270D SIM					1 mL		
IC 410-250058/6		8270D SIM				1 mL			
IC 410-250058/7		8270D SIM			1 mL				
ICV 410-250058/9		8270D SIM							

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVSIM_6 00014	MSS_RVSIM_ICV 00029				
DFTPP 410-250058/1		8270D SIM							
ICIS 410-250058/2		8270D SIM							
IC 410-250058/3		8270D SIM		1 mL					
IC 410-250058/4		8270D SIM							
IC 410-250058/5		8270D SIM							
IC 410-250058/6		8270D SIM							
IC 410-250058/7		8270D SIM							
ICV 410-250058/9		8270D SIM			1 mL				

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 280637 Batch Start Date: 07/28/22 18:23 Batch Analyst: Gambler, Joseph M

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVDFTPP 00011	MSS_RVSIM_1 00018	MSS_RVSIM_2 00018	MSS_RVSIM_3 00017	MSS_RVSIM_4 00024	MSS_RVSIM_5 00018
DFTPP 410-280637/1		8270D SIM		1 mL					
ICIS 410-280637/2		8270D SIM						1 mL	
IC 410-280637/3		8270D SIM							
IC 410-280637/4		8270D SIM							1 mL
IC 410-280637/5		8270D SIM					1 mL		
IC 410-280637/6		8270D SIM				1 mL			
IC 410-280637/7		8270D SIM			1 mL				
ICV 410-280637/9		8270D SIM							

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVSIM_6 00015	MSS_RVSIM_ICV 00031				
DFTPP 410-280637/1		8270D SIM							
ICIS 410-280637/2		8270D SIM							
IC 410-280637/3		8270D SIM		1 mL					
IC 410-280637/4		8270D SIM							
IC 410-280637/5		8270D SIM							
IC 410-280637/6		8270D SIM							
IC 410-280637/7		8270D SIM							
ICV 410-280637/9		8270D SIM			1 mL				

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 286366 Batch Start Date: 08/16/22 09:09 Batch Analyst: Carrick, Adam

Batch Method: 3510C Batch End Date: 08/16/22 13:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	DensityAcc	InitialAmount	FinalAmount	ReceivedpH
MB 410-286366/1		3510C, 8270D SIM				n/a	250 mL	1 mL	n/a SU
LCS 410-286366/2		3510C, 8270D SIM				n/a	250 mL	1 mL	n/a SU
LCSD 410-286366/3		3510C, 8270D SIM				n/a	250 mL	1 mL	n/a SU
410-94417-G-4	FB-01_082022	3510C, 8270D SIM	T	355.00 g	166.35 g	n/a	188.7 mL	1 mL	n/a SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	FirstAdjustpH	SecondAdjustpH	CUPerformed	OP_MINIBNA_SS 00066	OP_SIMLCS_MS 00072	AnalysisComment
MB 410-286366/1		3510C, 8270D SIM		>11 SU	<2 SU	n	1 mL		tap H20
LCS 410-286366/2		3510C, 8270D SIM		>11 SU	<2 SU	n	1 mL	0.25 mL	tap H20
LCSD 410-286366/3		3510C, 8270D SIM		>11 SU	<2 SU	n	1 mL	0.25 mL	tap H20
410-94417-G-4	FB-01_082022	3510C, 8270D SIM	T	>11 SU	<2 SU	n	1 mL		clear

Batch Notes	
Balance ID	25996
Analyst ID - Extraction	AGC40572
Analyst ID - Spike Analyst	AGC40572
Acid Used for pH Adjustment ID	H2SO4:217904
Base Used to Adjust pH ID	NaOH:4103D49
Prep Solvent ID	MeCl2:223595
Prep Solvent Volume Used	90 mL
Na2SO4 ID	22224A
Analyst ID - Concentration	AGC40572
Equipment ID - Concentration 1	RapidVap#3,1,2
Concentration 1 Corrected Temperature	80 Degrees C
Batch Comment	split with batch 286371

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 286366 Batch Start Date: 08/16/22 09:09 Batch Analyst: Carrick, Adam

Batch Method: 3510C Batch End Date: 08/16/22 13:34

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 287248 Batch Start Date: 08/18/22 09:43 Batch Analyst: Gibson, Cara

Batch Method: 3510C Batch End Date: 08/18/22 13:56

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	DensityAcc	InitialAmount	FinalAmount	ReceivedpH
MB 410-287248/1		3510C, 8270D SIM				N/A	250 mL	1 mL	N/A SU
LCS 410-287248/2		3510C, 8270D SIM				N/A	250 mL	1 mL	N/A SU
LCSD 410-287248/3		3510C, 8270D SIM				N/A	250 mL	1 mL	N/A SU
410-94417-G-1 MS	FBS010-MS_082022	3510C, 8270D SIM	T	401.41 g	166.41 g	N/A	235 mL	1 mL	N/A SU
410-94417-G-1 MSD	FBS010-MSD_082022	3510C, 8270D SIM	T	406.84 g	166.32 g	N/A	240.5 mL	1 mL	N/A SU
410-94417-G-1	FBS010_082022	3510C, 8270D SIM	T	406.89 g	165.95 g	N/A	240.9 mL	1 mL	N/A SU
410-94417-G-2	FBW001_082022	3510C, 8270D SIM	T	413.27 g	166.67 g	N/A	246.6 mL	1 mL	N/A SU
410-94417-G-3	DUP-01_082022	3510C, 8270D SIM	T	407.68 g	166.73 g	N/A	241 mL	1 mL	N/A SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	FirstAdjustpH	SecondAdjustpH	CUPerformed	OP_MINIBNA_SS 00066	OP_SIMLCS_MS 00072	AnalysisComment
MB 410-287248/1		3510C, 8270D SIM		>11 SU	<2 SU	N/A	1 mL		Tap Water
LCS 410-287248/2		3510C, 8270D SIM		>11 SU	<2 SU	N/A	1 mL	0.25 mL	Tap Water
LCSD 410-287248/3		3510C, 8270D SIM		>11 SU	<2 SU	N/A	1 mL	0.25 mL	Tap Water
410-94417-G-1 MS	FBS010-MS_082022	3510C, 8270D SIM	T	>11 SU	<2 SU	N/A	1 mL	0.25 mL	Clear
410-94417-G-1 MSD	FBS010-MSD_082022	3510C, 8270D SIM	T	>11 SU	<2 SU	N/A	1 mL	0.25 mL	Clear
410-94417-G-1	FBS010_082022	3510C, 8270D SIM	T	>11 SU	<2 SU	N/A	1 mL		Clear
410-94417-G-2	FBW001_082022	3510C, 8270D SIM	T	>11 SU	<2 SU	N/A	1 mL		Clear
410-94417-G-3	DUP-01_082022	3510C, 8270D SIM	T	>11 SU	<2 SU	N/A	1 mL		Clear

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 287248 Batch Start Date: 08/18/22 09:43 Batch Analyst: Gibson, Cara

Batch Method: 3510C Batch End Date: 08/18/22 13:56

Batch Notes	
Balance ID	25996
Pipette/Syringe/Dispenser ID	3
Analyst ID - Extraction	CNG41579
Analyst ID - Spike Analyst	CNG41579
Acid Used for pH Adjustment ID	H2SO4: 217904
Base Used to Adjust pH ID	NaOH: 4103D49
Prep Solvent ID	MeCl2: 223595
Prep Solvent Volume Used	90 mL
Na2SO4 ID	22227A
Analyst ID - Concentration	CNG41579
Equipment ID - Concentration 1	Rapid Vap # 1, 2, 3, 4
Concentration 1 Corrected Temperature	80 Degrees C
Batch Comment	Split with batch 287252

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 288127 Batch Start Date: 08/21/22 12:00 Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C Batch End Date: 08/21/22 15:52

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH
MB 410-288127/1		3510C, 8270D SIM				250 mL	1 mL	11 SU	2 SU
LCS 410-288127/2		3510C, 8270D SIM				250 mL	1 mL	11 SU	2 SU
LCSD 410-288127/3		3510C, 8270D SIM				250 mL	1 mL	11 SU	2 SU
410-94417-D-1 MS	FBS010-MS_082022	3510C, 8270D SIM	T	396.59 g	165.67 g	230.9 mL	1 mL	11 SU	2 SU
410-94417-D-1 MSD	FBS010-MSD_082022	3510C, 8270D SIM	T	405.56 g	165.22 g	240.3 mL	1 mL	11 SU	2 SU
410-94417-D-1	FBS010_082022	3510C, 8270D SIM	T	399.89 g	166.48 g	233.4 mL	1 mL	11 SU	2 SU
410-94417-D-2	FBW001_082022	3510C, 8270D SIM	T	409.17 g	167.02 g	242.2 mL	1 mL	11 SU	2 SU
410-94417-D-3	DUP-01_082022	3510C, 8270D SIM	T	404.50 g	166.67 g	237.8 mL	1 mL	11 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_MINIBNA_SS 00067	OP_SIMLCS_MS 00072	AnalysisComment			
MB 410-288127/1		3510C, 8270D SIM		1 mL		tap water			
LCS 410-288127/2		3510C, 8270D SIM		1 mL	0.25 mL	tap water			
LCSD 410-288127/3		3510C, 8270D SIM		1 mL	0.25 mL	tap water			
410-94417-D-1 MS	FBS010-MS_082022	3510C, 8270D SIM	T	1 mL	0.25 mL	clear			
410-94417-D-1 MSD	FBS010-MSD_082022	3510C, 8270D SIM	T	1 mL	0.25 mL	clear			
410-94417-D-1	FBS010_082022	3510C, 8270D SIM	T	1 mL		clear			
410-94417-D-2	FBW001_082022	3510C, 8270D SIM	T	1 mL		clear			
410-94417-D-3	DUP-01_082022	3510C, 8270D SIM	T	1 mL		clear			

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-94417-1

SDG No.:

Batch Number: 288127 Batch Start Date: 08/21/22 12:00 Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C Batch End Date: 08/21/22 15:52

Batch Notes	
Balance ID	25996
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	11067, 46009
Analyst ID - Spike Analyst	11067
Acid Used for pH Adjustment ID	H2SO4:217904
Base Used to Adjust pH ID	NaOH:4103D49
Prep Solvent ID	MeCl2:223959
Prep Solvent Volume Used	90 mL
Na2SO4 ID	22231A
Analyst ID - Concentration	11067
Equipment ID - Concentration 1	RapidVap#10
Concentration 1 Corrected Temperature	80 Degrees C

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

410-94417 Chain of Custody

s Environme

Chain of Custody Record

eurofins Environment Testing America

	Sampler: BENNETT CONWAY	Lab PM: Brown, Nicole	Carrier Tracking No(s):	COC No: 410-62340-14132.1
Client Contact: ~~Kay Kinsannon~~ JACK JACKSON	Phone:	E-Mail: Nicole.Brown@et.eurofinsus.com	State of Origin: MO	Page: Page 1 of 1
Company: Environmental Works, Inc.	PWSID:	Analysis Requested		Job #:
Address: 1455 East Chestnut Expressway	Due Date Requested:			Preservation Codes:
City: Springfield	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
State, Zip: MO, 65802	Compliance Project: Δ Yes Δ No			
Phone: ~~(417) 887-2020 (Tel)~~ 417-890-9500	PO #: SPRINGFIELD, MO			
Email: ~~kkinsannon@environmentalworks.com~~ JJACKSON@ENVIRONMENTALWORKS.COM	WO #:			Other:
Project Name: Springfield, MO – OFIWP	Project #: 41006923			
Site:	SSOW#:			

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 - Springfield, MO - 8260C TCL4.3 + TMB	8270D, 8270D_SIM	Total Number of containers	Special Instructions/Note:
FBS010_082022	8/11/22	1205	G	Water			X	X		
FBS010-MS_082022		1205		Water			X	X		
FBS010-MSD_082022		1205		Water			X	X		
FBW001_082022		1143		Water			X	X		
DUP-01_082022		0800		Water			X	X		
FB-01_082022		1145		Water			X	X		
				Water						
Trip Blank				Water						

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)

Special Instructions/QC Requirements: LEVEL II + LEVEL IV

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 7-29-22 07:00	Company: FLHE	Received by:	Date/Time:	Company:
Relinquished by: BENNETT CONWAY	Date/Time: 8/10/22 14:14	Company: EWI	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 8/12/22 1020	Company:

Custody Seals Intact: ☒ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.0

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Environmental Works, Inc. Job Number: 410-94417-1

Login Number: 94417 **List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**
List Number: 1
Creator: Reiff, Nicole L

Question	Answer	Comment
The cooler's custody seal 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 (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Former Tronox/Kerr-McGee Facility - Springfield, Missouri
OFIWP Public Drinking Well Sampling
Data Usability Summary

Level 2 Data Validation was performed by Environmental Works, Inc. (EWI) on the one (1) data package from Eurofins Laboratories in Lancaster, Pennsylvania, for the analysis of public drinking water well samples collected August 11th, 2022. The data package group number was 410-94417.

Intended Use of Data: The intended use is data validation and to provide QAQC Review and an evaluation as to whether data quality objectives (DQOs) were meet related to data obtained during the sampling of the drinking water wells.

Laboratory analysis was requested on the following parameters:

- 8260C-Volatile Organic Compounds (GC/MS)
- 8270D and 8270D SIM – Semi-volatile Organic Compounds

These methods were in accordance with the OFIWP. The results of the data review and validation are discussed in this Data Usability Summary. The data packages were reviewed for the following in accordance with the project Sampling and Analysis Plan (EWI, 2020) and Quality Assurance Project Plan (EWI, 2020):

1. Compare Field Information Forms with Sample Labels and Chains-of-Custody
2. Agreement of Analyses Conducted with Chain-of-Custody Requests
3. Sample Receipt, Holding Times, and Sample Preservation
4. Trip Blanks
5. Laboratory Control Sample (LCS) and LCS Duplicate (LCSD) Recoveries
6. Surrogate Spike Recoveries
7. Quantitation Limits and Sample Results
8. Method Blank Results
9. Equipment Blank
10. Field Blank
11. Lab Comments
12. Field Instrument Calibration
13. Field Sampling Parameters
14. Instrument Calibrations (Initial and Continuing and RRF)
15. Manual Integration
16. Reagent Traceability and Tentative Identification Summary

1) Compare Field Information Forms with Sample Labels and Chains-of-Custody

The sample labels and chains-of-custody form was reviewed to ensure the dates, times, and sample IDs were the same. Discrepancies were found in report title on the data package and subsequently a revised report was submitted. This revision did not affect data quality.

2) Agreement of Analyses Conducted with Chain-of-Custody Requests

Analytical reports received from the laboratory were checked against the revised chain-of-custody request for all samples. No issues identified.

3) Sample Receipt, Holding Times, and Sample Preservation

The cooler sent to the laboratory arrived inside acceptable temperature range of 4 degree centigrade (+ 2 degrees and not frozen). There were no other issues with the samples upon receipt by the lab. All samples were properly preserved and were analyzed within the method specified holding time.

4) Trip Blanks

For this sampling event, trip blanks were prepared by the laboratory, transported with the sample bottles to the Facility, kept in sample coolers during the sampling event, and returned unopened to the laboratory for quality control analysis. The samples were sent with a trip blank; however, the trip blank was not recorded on COC. The lab acknowledgement noted the trip blanks were inside cooler with no issues noted. The trip blank sample was analyzed for target VOCs and there were no detections.

5) Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries

All target analytes were spiked into control samples and reported for the required LCS/LCSD analyses; The laboratory control sample (LCS) for preparation batch 410-287248 and analytical batch 410-287637 recovered outside control limits for the following analytes: Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported. No LCS or LCSD results were outside the QC acceptance criteria and no effect on data usability were noted. Lab reports are flagged with data qualifiers where data usability is brought into question. The following analytes could be biased high and may not be present - Bis(2-ethylhexyl) phthalate; and Di-n-butyl phthalate.

6) Surrogate Spike Recoveries

Surrogate recovery was out of limits, but data was confirmed because it was not attributed to dilution or otherwise noted on the Analysis Report. This does not affect usability of the data.

No further action was taken by lab. These findings do not indicate any usability concerns.

7) Quantitation Limits and Sample Results

There were no dilutions warranted for analyses, so no changes to quantification limits were warranted for any other analyses.

8) Method Blank Results

Method 8270D_SIM: Di-n-butyl phthalate was detected above the reporting limit (RL) and Bis(2-

ethylhexyl) phthalate was detected above the method detection limit (MDL in the method blank associated with preparation batch 410-287248 and analytical batch 410-287637 as well as in the following samples: FBS010_082022 (410-94417-1), FBW001_082022 (410-94417-2) and DUP-01_082022 (410-94417-3). All affected samples were re-extracted and/or re-analyzed outside of holding time. Both sets of data have been reported. As stated above: Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate could be biased high and may not be present in the samples.

9) Equipment Blank Sample Results

Equipment blanks were not warranted as no sampling equipment was needed. Water collected at City taps.

10) Field Blank Sample Results

Field blanks are used to identify if ambient contamination is entering the samples during the sampling process. As per Quality Assurance Project Plan (QAPP) B4.1.5 Field Blanks Field blanks are used to identify ambient contamination entering the samples during the sampling process. Clean sampling containers are filled with laboratory provided deionized water and left open at the sample location for the duration of sampling that location. The containers are closed when sampling at that location is completed and analyzed for the COCs of interest. One field blank will be collected per groundwater sampling event. Although the Field Blank had detectable analytes, they were non-Facility related. Chloroform was detected at 1.3 ug/L and Di-n-butyl phthalate was detected at 0.0096 J ug/L

11) Lab Comments

A summary of lab narrative/comments is shown below in bullets in the Summary below.

12) Instrument Calibration

City conducted pH tests as samples were collected and shared their data.

13) Field Sampling Parameters

During sampling activities, EWI filled containers as split samples with City from their taps.

14) Instrument Calibrations (Initial and Continuing and RRF)

The Level 4 evaluation checklists outline the various laboratory Forms within the Level 4 Data Packages. For calibration, the initial and continuing calibrations were reviewed along with relative response factors, response curves, and retention times: most be the same data in each lab package. Various data packages had narrative explanations from the lab regarding issues within initial calibration and/or continuing calibration within VOAs and Semi-VOAs along with the any effect on usability. Those descriptions can be found on Level 4 QAQC review sheets and summarized below for each lab package when Level 4 is conducted.

15) Manual Integration

The data packages have large sections of calibration related manual integration and chromatograms. Review of that data for this found no issues that would affect data usability.

16) Reagent Traceability and Tentative Identification Summary

The data packages provide source data and quality and the tentative identification chromatograms. There were no issues identified with reagent source or standards testing.

Usability Summary

Based on the QAQC Data Review data package is listed below with a summary that all data was accepted, or an explanation of data usability concerns.

410-94417-1:

- GC/MS VOA - Method 8260C: The continuing calibration verification (CCV) associated with batch 410-289040 recovered outside acceptance criteria, low biased, for Bromomethane, Chloromethane, Cyclohexane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated. None of these are Facility chemicals of concern, so data accepted.
- GC/MS Semi VOA Method 8270D - The continuing calibration verification (CCV) associated with batch 410-286564 recovered above the upper control limit for 2,4-Dinitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is: FB-01_082022 (410-94417-4).
- GC/MS Semi VOA Method 8270D - The continuing calibration verification (CCV) associated with batch 410-287356 recovered above the upper control limit for 2,4-Dinitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: FBS010_082022 (410-94417-1), FBW001_082022 (410-94417-2) and DUP-01_082022 (410-94417-3).
- GC/MS Semi VOA Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-286632 recovered above the upper control limit for Butylbenzylphthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is: FB-01_082022 (410-94417-4).
- GC/MS Semi VOA Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-287573 recovered above the upper control limit for Butylbenzylphthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

- GC/MS Semi VOA Method 8270D_SIM: Di-n-butyl phthalate was detected above the reporting limit (RL) and Bis(2-ethylhexyl) phthalate was detected above the method detection limit (MDL in the method blank associated with preparation batch 410-287248 and analytical batch 410-287637 as well as in the following samples: FBS010_082022 (410-94417-1), FBW001_082022 (410-94417-2) and DUP-01_082022 (410-94417-3). All affected samples were re-extracted and/or re-analyzed outside of holding time. Both sets of data have been reported. Results from the re-analysis are presented in the summary table. None of these are Facility related and these phthalate family analytes have been detected in various forms in prior sampling events.
- GC/MS Semi VOA Method 8270D_SIM: for the following analytes: Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.