March 31, 2023

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 February 16, 2023[1], 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.

The following summarizes the detections at Fulbright Spring and Fulbright Well #1:

- 2-Methnaphthalene was (a Facility-related chemical) was detected at a concentration of 0.064 ug/L at Fulbright Well #1. This detection was well below applicable groundwater protection standard (GWPS) of 36 microgram per liter (ug/L).
- Dibenzofuran (0.016J ug/L)) and fluorene (0.014J ug/L) (Facility-related chemicals) were reported as estimated concentrations[2] from samples collected from Fulbright Well #1. These estimated concentrations were well below the applicable GWPSs for these chemicals (7.9 ug/L for dibenzofuran and 1,300 ug/L for fluorene).

[1] The Multistate Trust received the validated data on March 10, 2023.
[2] Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

- Non-Facility-related chemical di-n-butylphthalate was detected in samples collected from Fulbright Spring and Fulbright Well #1; however, this compound was also detected in the laboratory method blank. These results should be considered biased high.
- Non-Facility-related chemical 1-Methylnaphthalene was detected at estimated concentrations in the duplicate sample for Fulbright Well #1.

A table summarizing the laboratory analytical results (Table 1), 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 (Q1-2023)
Laboratory Reports (Level 2 and Level 4)
Data Usability Summary and Validation Report

cc: Cynthia Brooks—Multistate Trust
Tim Davis—Greene County
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 (Q1-2023)
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	Quality Control Sample	Quality Control Sample
Field Sample ID				FBS010_022023	Dup-01_022023	FBW001_022023	FB-01_022023	Trip Blank	Method Blank[2]
Sample Type				Normal Sample	Duplicate Sample	Normal Sample	Field Blank	Trip Blank	Lab Method Blanks
Sample Date				2/16/2023	2/16/2023	2/16/2023	2/16/2023	2/16/2023	NA
Volatile Organic Compounds[1]									
1,1,1-Trichloroethane	71-55-6	ug/l		<0.3	<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	<0.3
1,1,2-Trichloroethane	79-00-5	ug/l		<0.3	<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	<0.3
1,1-Dichloroethene	75-35-4	ug/l		<0.3	<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	<0.3
1,2,4-Trimethylbenzene	95-63-6	ug/l		<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	96-12-8	ug/l		<0.3	<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	<0.2
1,2-Dichlorobenzene	95-50-1	ug/l		<0.2	<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	<0.3
1,2-Dichloropropane	78-87-5	ug/l		<0.3	<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	<0.3
1,3-Dichlorobenzene	541-73-1	ug/l		<0.68	<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	<0.3
2-Butanone	78-93-3	ug/l		<0.5	<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	<0.85
4-Methyl-2-pentanone	108-10-1	ug/l		<0.5	<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	<0.7
Benzene[3]	71-43-2	ug/l	5	<0.3	<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	<0.2
Bromoform	75-25-2	ug/l		<1	<1	<1	<1	<1	<1
Bromomethane	74-83-9	ug/l		<0.3	<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	<0.3
Carbon Tetrachloride	56-23-5	ug/l		<0.3	<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	<0.3
Chloroethane	75-00-3	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	67-66-3	ug/l		<0.3	<0.3	<0.3	**1.4**	<0.3	<0.3
Chloromethane	74-87-3	ug/l		<0.55	<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	<0.3
cis-1,3-Dichloropropene	10061-01-5	ug/l		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cyclohexane	110-82-7	ug/l		<1	<1	<1	<1	<1	<1
Dibromochloromethane	124-48-1	ug/l		<0.2	<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	<0.2

Table 1. Summary of Analytical Results (Q1-2023)
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	Quality Control Sample	Quality Control Sample
Field Sample ID				FBS010_022023	Dup-01_022023	FBW001_022023	FB-01_022023	Trip Blank	Method Blank[2]
Sample Type				Normal Sample	Duplicate Sample	Normal Sample	Field Blank	Trip Blank	Lab Method Blanks
Sample Date				2/16/2023	2/16/2023	2/16/2023	2/16/2023	2/16/2023	NA
Ethylbenzene[3]	100-41-4	ug/l	700	<0.4	<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	<0.3
Isopropylbenzene	98-82-8	ug/l		<0.2	<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	<0.3
Methyl Tertiary Butyl Ether	1634-04-4	ug/l		<0.2	<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	<0.5
Methylene Chloride	75-09-2	ug/l		<0.3	<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	<0.3
Tetrachloroethene	127-18-4	ug/l		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene[3]	108-88-3	ug/l	1,000	<0.2	<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	<0.7
trans-1,3-Dichloropropene	10061-02-6	ug/l		<0.2	<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	<0.3
Trichlorofluoromethane	75-69-4	ug/l		<0.2	<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	<0.2
Xylenes[3]	1330-20-7	ug/l	10,000	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds[1]									
1,4-Dioxane	123-91-1	ug/l		<0.1	<0.1	<0.1	<0.1	NM	<0.1
1-Methylnaphthalene	90-12-0	ug/l		<0.02	**0.037 J**	<0.02	<0.02	NM	<0.02
2,4-Dimethylphenol[3]	105-67-9	ug/l	540	<3	<3	<3	<3	NM	<3
2,4-Dinitrophenol[3]	51-28-5	ug/l	70	<10	<10	<10	<10	NM	<10
2-Chlorophenol[3]	95-57-8	ug/l	0.5	<0.5	<0.5	<0.5	<0.5	NM	<0.5
2-Methylnaphthalene[3]	91-57-6	ug/l	36	<0.02	**0.064**	<0.02	<0.02	NM	<0.02
Acenaphthene[3]	83-32-9	ug/l	1,200	<0.01	<0.01	<0.01	<0.01	NM	<0.01
Acenaphthylene[3]	208-96-8	ug/l		<0.01	<0.01	<0.01	<0.01	NM	<0.01
Anthracene[3]	120-12-7	ug/l	9,600	<0.01	<0.01	<0.01	<0.01	NM	<0.01
Benzo(a)anthracene[3]	56-55-3	ug/l	0.1	<0.01	<0.01	<0.01	<0.01	NM	<0.01
Benzo(a)pyrene[3]	50-32-8	ug/l	0.1	<0.01	<0.01	<0.01	<0.01	NM	<0.01
Benzo(b)fluoranthene[3]	205-99-2	ug/l	0.1	<0.01	<0.01	<0.01	<0.01	NM	<0.01
Benzo(g,h,i)perylene	191-24-2	ug/l		<0.01	<0.01	<0.01	<0.01	NM	<0.01
Benzo(k)fluoranthene[3]	207-08-9	ug/l	0.1	<0.01	<0.01	<0.01	<0.01	NM	<0.01
bis(2-Chloroethyl)ether	111-44-4	ug/l		<0.02	<0.02	<0.02	<0.02	NM	<0.02
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l		<0.05	<0.05	<0.051	<0.051	NM	<0.05
Butylbenzylphthalate	85-68-7	ug/l		<0.05	<0.05	<0.051	<0.051	NM	<0.05
Carbazole[3]	86-74-8	ug/l		<0.5	<0.5	<0.5	<0.5	NM	<0.5
Chrysene[3]	218-01-9	ug/l	0.1	<0.01	<0.01	<0.01	<0.01	NM	<0.01
Dibenz(a,h)anthracene[3]	53-70-3	ug/l	0.1	<0.02	<0.02	<0.02	<0.02	NM	<0.02
Dibenzofuran[3]	132-64-9	ug/l	7.9	<0.01	<0.01	**0.016 J**	<0.01	NM	<0.01
Diethylphthalate	84-66-2	ug/l		<0.05	<0.05	<0.051	<0.051	NM	<0.05
Dimethylphthalate	131-11-3	ug/l		<0.05	<0.05	<0.051	<0.051	NM	<0.05
Di-n-butylphthalate	84-74-2	ug/l		**0.26 J^**	**0.21 J^**	**0.21 J^**	**0.32 J^**	NM	**0.202 J**
Di-n-octylphthalate	117-84-0	ug/l		<0.05	<0.05	<0.051	<0.051	NM	<0.05

Table 1. Summary of Analytical Results (Q1-2023)
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	Quality Control Sample	Quality Control Sample
Field Sample ID				FBS010_022023	Dup-01_022023	FBW001_022023	FB-01_022023	Trip Blank	Method Blank[2]
Sample Type				Normal Sample	Duplicate Sample	Normal Sample	Field Blank	Trip Blank	Lab Method Blanks
Sample Date				2/16/2023	2/16/2023	2/16/2023	2/16/2023	2/16/2023	NA
Fluoranthene[3]	206-44-0	ug/l	300	<0.01	<0.01	<0.01	<0.01	NM	<0.01
Fluorene[3]	86-73-7	ug/l	1,300	<0.01	<0.01	**0.014 J**	<0.01	NM	<0.01
Hexachlorobenzene	118-74-1	ug/l		<0.02	<0.02	<0.02	<0.02	NM	<0.02
Indeno(1,2,3-cd)pyrene[3]	193-39-5	ug/l	0.1	<0.02	<0.02	<0.02	<0.02	NM	<0.02
Naphthalene[3]	91-20-3	ug/l	20	<0.03	<0.03	<0.03	<0.03	NM	<0.03
N-Nitrosodimethylamine	62-75-9	ug/l		<0.02	<0.02	<0.02	<0.02	NM	<0.02
Phenanthrene[3]	85-01-8	ug/l		<0.03	<0.03	<0.03	<0.03	NM	<0.03
Phenol[3]	108-95-2	ug/l	300	<0.5	<0.5	<0.5	<0.5	NM	<0.5
Pyrene[3]	129-00-0	ug/l	960	<0.01	<0.01	<0.01	<0.01	NM	<0.01

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] Laboratory Method Blanks for Volatile Organic Compounds = MB 410-349446/9; for Semi-Volatile Organic Compounds = MB 410-347487/1-A.

[3] Facility-related chemical of concern (yellow highlighting is intentional and to easily identify Facility-related chemicals)*

*While these SVOCS are Facility-related COCs, meaning they are regulated constituents under the Missouri Hazardous Waste Management Facility Part I Permit (MOD007129406), it is important to note that many these SVOCs are commonly found in the environment, including asphalt stormwater runoff.

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.

^ = See full lab report for additional details on qualifiers placed on method blanks and laboratory control samples.

ug/L= micrograms per liter

< = less than

GWPS = groundwater protection standards

NA = Not Applicable

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ryley Howard
Environmental Works, Inc.
1455 East Chestnut Expressway
Springfield, Missouri 65802

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JOB DESCRIPTION

Springfield, MO – OFIWP

JOB NUMBER

410-115936-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

myEOL

Job Notes

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.

Authorization

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

Compliance Statement

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.

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.

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Definitions/Glossary

Client: Environmental Works, Inc. Job ID: 410-115936-1
Project/Site: Springfield, MO – OFIWP

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery exceeds control limits.
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
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: 410-115936-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-115936-1

Receipt
The samples were received on 2/17/2023 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

Receipt Exceptions
2 40ml HCl vials for the following sample was received broken. FBS010_022023 (410-115936-1).

GC/MS VOA
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: Internal standard (ISTD) response for Perylene-d12 in the following samples was outside of acceptance limits: FBS010_022023 (410-115936-1), FBW001_022023 (410-115936-3) and FB-01_022023 (410-115936-4). None of the compounds reported in the sample are associated with this ISTD; therefore, the data is reported.

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-347593 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate and N-Nitrosodimethylamine. 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 method detection limit (MDL) in the method blank associated with preparation batch 410-347487 and analytical batch 410-347593 as well as in the following samples: FBS010_022023 (410-115936-1), Dup-01_022023 (410-115936-2), FBW001_022023 (410-115936-3) and FB-01_022023 (410-115936-4). 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) and laboratory control sample duplicate (LCSD) for preparation batch 410-347487 and analytical batch 410-347593 recovered outside control limits for the following analytes: 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: 410-115936-1

Client Sample ID: FBS010_022023 — Lab Sample ID: 410-115936-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.26	J B *+ cn	1.0	0.050	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RE	1.4	H B *+ *1	1.0	0.051	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate - RE	0.98	J H B *+ *1 F1 F2	1.0	0.051	ug/L	1		8270D SIM	Total/NA

Client Sample ID: Dup-01_022023 — Lab Sample ID: 410-115936-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.037	J	0.050	0.020	ug/L	1		8270D SIM	Total/NA
2-Methylnaphthalene	0.064		0.050	0.020	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate	0.21	J B *+ cn	1.0	0.050	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RE	1.6	H B *+ *1	1.0	0.050	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate - RE	0.67	J H B *+ *1	1.0	0.050	ug/L	1		8270D SIM	Total/NA

Client Sample ID: FBW001_022023 — Lab Sample ID: 410-115936-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenzofuran	0.016	J	0.051	0.010	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate	0.21	J B *+ cn	1.0	0.051	ug/L	1		8270D SIM	Total/NA
Fluorene	0.014	J	0.051	0.010	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RE	1.0	H B *+ *1	1.0	0.052	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate - RE	0.82	J H B *+ *1	1.0	0.052	ug/L	1		8270D SIM	Total/NA

Client Sample ID: FB-01_022023 — Lab Sample ID: 410-115936-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.4		1.0	0.30	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.32	J B *+ cn	1.0	0.051	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RE	0.96	J H B *+ *1	1.0	0.050	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate - RE	0.90	J H B *+ *1	1.0	0.050	ug/L	1		8270D SIM	Total/NA

Client Sample ID: Trip Blank_022023 — Lab Sample ID: 410-115936-5

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-115936-1

Client Sample ID: FBS010_022023
Date Collected: 02/16/23 11:11
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-1
Matrix: Water

Method: SW846 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			03/02/23 14:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 14:44	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 14:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 14:44	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 14:44	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 14:44	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 14:44	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 14:44	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 14:44	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 14:44	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 14:44	1
Acetone	ND		20	0.70	ug/L			03/02/23 14:44	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 14:44	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 14:44	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Chloroform	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 14:44	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 14:44	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 14:44	1
Freon 113	ND		10	0.30	ug/L			03/02/23 14:44	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 14:44	1
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 14:44	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 14:44	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 14:44	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 14:44	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 14:44	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/02/23 14:44	1

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

Job ID: 410-115936-1

Client Sample ID: FBS010_022023
Date Collected: 02/16/23 11:11
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-1
Matrix: Water

Method: SW846 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			03/02/23 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*03/02/23 14:44*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/02/23 14:44*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*03/02/23 14:44*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/02/23 14:44*	*1*

Method: SW846 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		02/23/23 16:24	02/24/23 06:22	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Acenaphthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Acenaphthylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Bis(2-chloroethyl)ether	ND	F1	0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Chrysene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Dibenzofuran	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Diethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Dimethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Di-n-butyl phthalate	**0.26**	**J B *+ cn**	1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Fluorene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Naphthalene	ND		0.070	0.030	ug/L		02/23/23 16:24	02/24/23 06:22	1
N-Nitrosodimethylamine	ND	cn	0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Phenanthrene	ND		0.070	0.030	ug/L		02/23/23 16:24	02/24/23 06:22	1
Pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*81*		*36 - 111*	*02/23/23 16:24*	*02/24/23 06:22*	*1*
Benzo(a)pyrene-d12 (Surr)	*79*		*10 - 110*	*02/23/23 16:24*	*02/24/23 06:22*	*1*
Fluoranthene-d10 (Surr)	*77*		*47 - 128*	*02/23/23 16:24*	*02/24/23 06:22*	*1*

Method: SW846 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	0.30	0.10	ug/L		02/27/23 16:02	02/28/23 05:22	1
1-Methylnaphthalene	ND	H	0.051	0.020	ug/L		02/27/23 16:02	02/28/23 05:22	1
2-Methylnaphthalene	ND	H	0.051	0.020	ug/L		02/27/23 16:02	02/28/23 05:22	1

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

Job ID: 410-115936-1

Client Sample ID: FBS010_022023
Date Collected: 02/16/23 11:11
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-1
Matrix: Water

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Acenaphthylene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Anthracene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Benzo[a]anthracene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Benzo[a]pyrene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Benzo[b]fluoranthene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Benzo[g,h,i]perylene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Benzo[k]fluoranthene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Bis(2-chloroethyl)ether	ND	H	0.051	0.020	ug/L		02/27/23 16:02	02/28/23 05:22	1
Bis(2-ethylhexyl) phthalate	**1.4**	**H B *+ *1**	1.0	0.051	ug/L		02/27/23 16:02	02/28/23 05:22	1
Butylbenzylphthalate	ND	H	1.0	0.051	ug/L		02/27/23 16:02	02/28/23 05:22	1
Chrysene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Dibenz(a,h)anthracene	ND	H	0.051	0.020	ug/L		02/27/23 16:02	02/28/23 05:22	1
Dibenzofuran	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Diethylphthalate	ND	H	1.0	0.051	ug/L		02/27/23 16:02	02/28/23 05:22	1
Dimethylphthalate	ND	H	1.0	0.051	ug/L		02/27/23 16:02	02/28/23 05:22	1
Di-n-butyl phthalate	**0.98**	**J H B *+ *1 F1 F2**	1.0	0.051	ug/L		02/27/23 16:02	02/28/23 05:22	1
Di-n-octyl phthalate	ND	H	1.0	0.051	ug/L		02/27/23 16:02	02/28/23 05:22	1
Fluoranthene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Fluorene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1
Hexachlorobenzene	ND	H	0.051	0.020	ug/L		02/27/23 16:02	02/28/23 05:22	1
Indeno[1,2,3-cd]pyrene	ND	H	0.051	0.020	ug/L		02/27/23 16:02	02/28/23 05:22	1
Naphthalene	ND	H	0.071	0.030	ug/L		02/27/23 16:02	02/28/23 05:22	1
N-Nitrosodimethylamine	ND	H	0.051	0.020	ug/L		02/27/23 16:02	02/28/23 05:22	1
Phenanthrene	ND	H	0.071	0.030	ug/L		02/27/23 16:02	02/28/23 05:22	1
Pyrene	ND	H	0.051	0.010	ug/L		02/27/23 16:02	02/28/23 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*89*		*36 - 111*	*02/27/23 16:02*	*02/28/23 05:22*	*1*
Benzo(a)pyrene-d12 (Surr)	*80*		*10 - 110*	*02/27/23 16:02*	*02/28/23 05:22*	*1*
Fluoranthene-d10 (Surr)	*89*		*47 - 128*	*02/27/23 16:02*	*02/28/23 05:22*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	cn	10	3	ug/L		02/23/23 16:29	02/24/23 01:01	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		02/23/23 16:29	02/24/23 01:01	1
2-Chlorophenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 01:01	1
Carbazole	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 01:01	1
Phenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*	*cn*	*10 - 150*	*02/23/23 16:29*	*02/24/23 01:01*	*1*
2-Fluorobiphenyl (Surr)	*81*	*cn*	*44 - 120*	*02/23/23 16:29*	*02/24/23 01:01*	*1*
2-Fluorophenol (Surr)	*39*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 01:01*	*1*
Nitrobenzene-d5 (Surr)	*71*	*cn*	*25 - 125*	*02/23/23 16:29*	*02/24/23 01:01*	*1*
Phenol-d5 (Surr)	*26*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 01:01*	*1*
p-Terphenyl-d14 (Surr)	*72*	*cn*	*37 - 120*	*02/23/23 16:29*	*02/24/23 01:01*	*1*

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

Job ID: 410-115936-1

Client Sample ID: Dup-01_022023
Date Collected: 02/16/23 12:00
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-2
Matrix: Water

Method: SW846 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			03/02/23 16:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 16:33	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 16:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 16:33	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 16:33	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 16:33	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 16:33	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 16:33	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 16:33	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 16:33	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 16:33	1
Acetone	ND		20	0.70	ug/L			03/02/23 16:33	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 16:33	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 16:33	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Chloroform	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 16:33	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 16:33	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 16:33	1
Freon 113	ND		10	0.30	ug/L			03/02/23 16:33	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 16:33	1
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 16:33	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 16:33	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 16:33	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 16:33	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 16:33	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/02/23 16:33	1

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

Job ID: 410-115936-1

Client Sample ID: Dup-01_022023
Date Collected: 02/16/23 12:00
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-2
Matrix: Water

Method: SW846 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			03/02/23 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*03/02/23 16:33*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/02/23 16:33*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/02/23 16:33*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/02/23 16:33*	*1*

Method: SW846 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		02/23/23 16:24	02/24/23 07:26	1
1-Methylnaphthalene	**0.037**	**J**	0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
2-Methylnaphthalene	**0.064**		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
Acenaphthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Acenaphthylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Chrysene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
Dibenzofuran	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Diethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Dimethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Di-n-butyl phthalate	**0.21**	**J B *+ cn**	1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Fluorene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
Naphthalene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 07:26	1
N-Nitrosodimethylamine	ND	cn	0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
Phenanthrene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 07:26	1
Pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*80*		*36 - 111*	*02/23/23 16:24*	*02/24/23 07:26*	*1*
Benzo(a)pyrene-d12 (Surr)	*75*		*10 - 110*	*02/23/23 16:24*	*02/24/23 07:26*	*1*
Fluoranthene-d10 (Surr)	*78*		*47 - 128*	*02/23/23 16:24*	*02/24/23 07:26*	*1*

Method: SW846 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	0.30	0.10	ug/L		02/27/23 16:02	02/28/23 07:33	1
1-Methylnaphthalene	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 07:33	1
2-Methylnaphthalene	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 07:33	1

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

Job ID: 410-115936-1

Client Sample ID: Dup-01_022023
Date Collected: 02/16/23 12:00
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-2
Matrix: Water

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Acenaphthylene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Anthracene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Benzo[a]anthracene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Benzo[a]pyrene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Benzo[b]fluoranthene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Benzo[g,h,i]perylene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Benzo[k]fluoranthene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Bis(2-chloroethyl)ether	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 07:33	1
Bis(2-ethylhexyl) phthalate	**1.6**	**H B *+ *1**	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 07:33	1
Butylbenzylphthalate	ND	H	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 07:33	1
Chrysene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Dibenz(a,h)anthracene	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 07:33	1
Dibenzofuran	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Diethylphthalate	ND	H	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 07:33	1
Dimethylphthalate	ND	H	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 07:33	1
Di-n-butyl phthalate	**0.67**	**J H B *+ *1**	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 07:33	1
Di-n-octyl phthalate	ND	H	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 07:33	1
Fluoranthene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Fluorene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1
Hexachlorobenzene	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 07:33	1
Indeno[1,2,3-cd]pyrene	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 07:33	1
Naphthalene	ND	H	0.071	0.030	ug/L		02/27/23 16:02	02/28/23 07:33	1
N-Nitrosodimethylamine	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 07:33	1
Phenanthrene	ND	H	0.071	0.030	ug/L		02/27/23 16:02	02/28/23 07:33	1
Pyrene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 07:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*75*		*36 - 111*	*02/27/23 16:02*	*02/28/23 07:33*	*1*
Benzo(a)pyrene-d12 (Surr)	*88*		*10 - 110*	*02/27/23 16:02*	*02/28/23 07:33*	*1*
Fluoranthene-d10 (Surr)	*88*		*47 - 128*	*02/27/23 16:02*	*02/28/23 07:33*	*1*

Method: SW846 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		02/23/23 16:29	02/24/23 05:05	1
2,4-Dinitrophenol	ND		30	10	ug/L		02/23/23 16:29	02/24/23 05:05	1
2-Chlorophenol	ND		2	0.5	ug/L		02/23/23 16:29	02/24/23 05:05	1
Carbazole	ND		2	0.5	ug/L		02/23/23 16:29	02/24/23 05:05	1
Phenol	ND		2	0.5	ug/L		02/23/23 16:29	02/24/23 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*10 - 150*	*02/23/23 16:29*	*02/24/23 05:05*	*1*
2-Fluorobiphenyl (Surr)	*82*		*44 - 120*	*02/23/23 16:29*	*02/24/23 05:05*	*1*
2-Fluorophenol (Surr)	*40*		*10 - 120*	*02/23/23 16:29*	*02/24/23 05:05*	*1*
Nitrobenzene-d5 (Surr)	*75*		*25 - 125*	*02/23/23 16:29*	*02/24/23 05:05*	*1*
Phenol-d5 (Surr)	*27*		*10 - 120*	*02/23/23 16:29*	*02/24/23 05:05*	*1*
p-Terphenyl-d14 (Surr)	*83*		*37 - 120*	*02/23/23 16:29*	*02/24/23 05:05*	*1*

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

Job ID: 410-115936-1

Client Sample ID: FBW001_022023
Date Collected: 02/16/23 10:57
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-3
Matrix: Water

Method: SW846 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			03/02/23 16:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 16:55	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 16:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 16:55	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 16:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 16:55	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 16:55	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 16:55	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 16:55	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 16:55	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 16:55	1
Acetone	ND		20	0.70	ug/L			03/02/23 16:55	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 16:55	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 16:55	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Chloroform	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 16:55	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 16:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 16:55	1
Freon 113	ND		10	0.30	ug/L			03/02/23 16:55	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 16:55	1
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 16:55	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 16:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 16:55	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 16:55	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 16:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/02/23 16:55	1

Client Sample ID: FBW001_022023
Date Collected: 02/16/23 10:57
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-3
Matrix: Water

Method: SW846 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			03/02/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*03/02/23 16:55*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/02/23 16:55*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/02/23 16:55*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/02/23 16:55*	*1*

Method: SW846 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		02/23/23 16:24	02/24/23 07:47	1
1-Methylnaphthalene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
2-Methylnaphthalene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Acenaphthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Acenaphthylene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Anthracene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Benzo[a]anthracene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Benzo[a]pyrene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Benzo[b]fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Benzo[g,h,i]perylene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Benzo[k]fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Bis(2-chloroethyl)ether	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Butylbenzylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Chrysene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Dibenz(a,h)anthracene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Dibenzofuran	**0.016**	**J**	0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Diethylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Dimethylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Di-n-butyl phthalate	**0.21**	**J B *+ cn**	1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Di-n-octyl phthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Fluorene	**0.014**	**J**	0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Hexachlorobenzene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Naphthalene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 07:47	1
N-Nitrosodimethylamine	ND	cn	0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Phenanthrene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 07:47	1
Pyrene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*90*		*36 - 111*	*02/23/23 16:24*	*02/24/23 07:47*	*1*
Benzo(a)pyrene-d12 (Surr)	*84*		*10 - 110*	*02/23/23 16:24*	*02/24/23 07:47*	*1*
Fluoranthene-d10 (Surr)	*90*		*47 - 128*	*02/23/23 16:24*	*02/24/23 07:47*	*1*

Method: SW846 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		02/27/23 16:02	02/28/23 07:55	1
1-Methylnaphthalene	ND	H	0.052	0.021	ug/L		02/27/23 16:02	02/28/23 07:55	1
2-Methylnaphthalene	ND	H	0.052	0.021	ug/L		02/27/23 16:02	02/28/23 07:55	1

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

Job ID: 410-115936-1

Client Sample ID: FBW001_022023
Date Collected: 02/16/23 10:57
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-3
Matrix: Water

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Acenaphthylene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Anthracene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Benzo[a]anthracene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Benzo[a]pyrene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Benzo[b]fluoranthene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Benzo[g,h,i]perylene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Benzo[k]fluoranthene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Bis(2-chloroethyl)ether	ND	H	0.052	0.021	ug/L		02/27/23 16:02	02/28/23 07:55	1
Bis(2-ethylhexyl) phthalate	**1.0**	**H B *+ *1**	1.0	0.052	ug/L		02/27/23 16:02	02/28/23 07:55	1
Butylbenzylphthalate	ND	H	1.0	0.052	ug/L		02/27/23 16:02	02/28/23 07:55	1
Chrysene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Dibenz(a,h)anthracene	ND	H	0.052	0.021	ug/L		02/27/23 16:02	02/28/23 07:55	1
Dibenzofuran	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Diethylphthalate	ND	H	1.0	0.052	ug/L		02/27/23 16:02	02/28/23 07:55	1
Dimethylphthalate	ND	H	1.0	0.052	ug/L		02/27/23 16:02	02/28/23 07:55	1
Di-n-butyl phthalate	**0.82**	**J H B *+ *1**	1.0	0.052	ug/L		02/27/23 16:02	02/28/23 07:55	1
Di-n-octyl phthalate	ND	H	1.0	0.052	ug/L		02/27/23 16:02	02/28/23 07:55	1
Fluoranthene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Fluorene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1
Hexachlorobenzene	ND	H	0.052	0.021	ug/L		02/27/23 16:02	02/28/23 07:55	1
Indeno[1,2,3-cd]pyrene	ND	H	0.052	0.021	ug/L		02/27/23 16:02	02/28/23 07:55	1
Naphthalene	ND	H	0.073	0.031	ug/L		02/27/23 16:02	02/28/23 07:55	1
N-Nitrosodimethylamine	ND	H	0.052	0.021	ug/L		02/27/23 16:02	02/28/23 07:55	1
Phenanthrene	ND	H	0.073	0.031	ug/L		02/27/23 16:02	02/28/23 07:55	1
Pyrene	ND	H	0.052	0.010	ug/L		02/27/23 16:02	02/28/23 07:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*90*		*36 - 111*	*02/27/23 16:02*	*02/28/23 07:55*	*1*
Benzo(a)pyrene-d12 (Surr)	*92*		*10 - 110*	*02/27/23 16:02*	*02/28/23 07:55*	*1*
Fluoranthene-d10 (Surr)	*94*		*47 - 128*	*02/27/23 16:02*	*02/28/23 07:55*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	cn	10	3	ug/L		02/23/23 16:29	02/24/23 06:47	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		02/23/23 16:29	02/24/23 06:47	1
2-Chlorophenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 06:47	1
Carbazole	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 06:47	1
Phenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*	*cn*	*10 - 150*	*02/23/23 16:29*	*02/24/23 06:47*	*1*
2-Fluorobiphenyl (Surr)	*85*	*cn*	*44 - 120*	*02/23/23 16:29*	*02/24/23 06:47*	*1*
2-Fluorophenol (Surr)	*43*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 06:47*	*1*
Nitrobenzene-d5 (Surr)	*73*	*cn*	*25 - 125*	*02/23/23 16:29*	*02/24/23 06:47*	*1*
Phenol-d5 (Surr)	*28*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 06:47*	*1*
p-Terphenyl-d14 (Surr)	*85*	*cn*	*37 - 120*	*02/23/23 16:29*	*02/24/23 06:47*	*1*

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

Job ID: 410-115936-1

Client Sample ID: FB-01_022023
Date Collected: 02/16/23 10:57
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-4
Matrix: Water

Method: SW846 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			03/02/23 13:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 13:15	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 13:15	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 13:15	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 13:15	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 13:15	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 13:15	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 13:15	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 13:15	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 13:15	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 13:15	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 13:15	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 13:15	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 13:15	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 13:15	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 13:15	1
Acetone	ND		20	0.70	ug/L			03/02/23 13:15	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 13:15	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 13:15	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Chloroform	**1.4**		1.0	0.30	ug/L			03/02/23 13:15	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 13:15	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 13:15	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 13:15	1
Freon 113	ND		10	0.30	ug/L			03/02/23 13:15	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 13:15	1
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 13:15	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 13:15	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 13:15	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 13:15	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 13:15	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/02/23 13:15	1

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

Job ID: 410-115936-1

Client Sample ID: FB-01_022023
Date Collected: 02/16/23 10:57
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-4
Matrix: Water

Method: SW846 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			03/02/23 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/02/23 13:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/02/23 13:15*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/02/23 13:15*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/02/23 13:15*	*1*

Method: SW846 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		02/23/23 16:24	02/24/23 08:08	1
1-Methylnaphthalene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
2-Methylnaphthalene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Acenaphthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Acenaphthylene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Anthracene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Benzo[a]anthracene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Benzo[a]pyrene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Benzo[b]fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Benzo[g,h,i]perylene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Benzo[k]fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Bis(2-chloroethyl)ether	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Butylbenzylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Chrysene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Dibenz(a,h)anthracene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Dibenzofuran	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Diethylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Dimethylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Di-n-butyl phthalate	**0.32**	**J B *+ cn**	1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Di-n-octyl phthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Fluorene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Hexachlorobenzene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Naphthalene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 08:08	1
N-Nitrosodimethylamine	ND	cn	0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Phenanthrene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 08:08	1
Pyrene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*60*		*36 - 111*	*02/23/23 16:24*	*02/24/23 08:08*	*1*
Benzo(a)pyrene-d12 (Surr)	*78*		*10 - 110*	*02/23/23 16:24*	*02/24/23 08:08*	*1*
Fluoranthene-d10 (Surr)	*75*		*47 - 128*	*02/23/23 16:24*	*02/24/23 08:08*	*1*

Method: SW846 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	0.30	0.10	ug/L		02/27/23 16:02	02/28/23 08:17	1
1-Methylnaphthalene	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 08:17	1
2-Methylnaphthalene	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 08:17	1

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

Job ID: 410-115936-1

Client Sample ID: FB-01_022023
Date Collected: 02/16/23 10:57
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-4
Matrix: Water

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Acenaphthylene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Anthracene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Benzo[a]anthracene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Benzo[a]pyrene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Benzo[b]fluoranthene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Benzo[g,h,i]perylene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Benzo[k]fluoranthene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Bis(2-chloroethyl)ether	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 08:17	1
Bis(2-ethylhexyl) phthalate	**0.96**	**J H B *+ *1**	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 08:17	1
Butylbenzylphthalate	ND	H	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 08:17	1
Chrysene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Dibenz(a,h)anthracene	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 08:17	1
Dibenzofuran	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Diethylphthalate	ND	H	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 08:17	1
Dimethylphthalate	ND	H	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 08:17	1
Di-n-butyl phthalate	**0.90**	**J H B *+ *1**	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 08:17	1
Di-n-octyl phthalate	ND	H	1.0	0.050	ug/L		02/27/23 16:02	02/28/23 08:17	1
Fluoranthene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Fluorene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1
Hexachlorobenzene	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 08:17	1
Indeno[1,2,3-cd]pyrene	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 08:17	1
Naphthalene	ND	H	0.071	0.030	ug/L		02/27/23 16:02	02/28/23 08:17	1
N-Nitrosodimethylamine	ND	H	0.050	0.020	ug/L		02/27/23 16:02	02/28/23 08:17	1
Phenanthrene	ND	H	0.071	0.030	ug/L		02/27/23 16:02	02/28/23 08:17	1
Pyrene	ND	H	0.050	0.010	ug/L		02/27/23 16:02	02/28/23 08:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*89*		*36 - 111*	*02/27/23 16:02*	*02/28/23 08:17*	*1*
Benzo(a)pyrene-d12 (Surr)	*99*		*10 - 110*	*02/27/23 16:02*	*02/28/23 08:17*	*1*
Fluoranthene-d10 (Surr)	*90*		*47 - 128*	*02/27/23 16:02*	*02/28/23 08:17*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	cn	10	3	ug/L		02/23/23 16:29	02/24/23 05:26	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		02/23/23 16:29	02/24/23 05:26	1
2-Chlorophenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 05:26	1
Carbazole	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 05:26	1
Phenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*	*cn*	*10 - 150*	*02/23/23 16:29*	*02/24/23 05:26*	*1*
2-Fluorobiphenyl (Surr)	*66*	*cn*	*44 - 120*	*02/23/23 16:29*	*02/24/23 05:26*	*1*
2-Fluorophenol (Surr)	*31*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 05:26*	*1*
Nitrobenzene-d5 (Surr)	*55*	*cn*	*25 - 125*	*02/23/23 16:29*	*02/24/23 05:26*	*1*
Phenol-d5 (Surr)	*20*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 05:26*	*1*
p-Terphenyl-d14 (Surr)	*82*	*cn*	*37 - 120*	*02/23/23 16:29*	*02/24/23 05:26*	*1*

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

Job ID: 410-115936-1

Client Sample ID: Trip Blank_022023
Date Collected: 02/16/23 00:00
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-5
Matrix: Water

Method: SW846 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			03/02/23 13:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 13:38	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 13:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 13:38	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 13:38	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 13:38	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 13:38	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 13:38	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 13:38	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 13:38	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 13:38	1
Acetone	ND		20	0.70	ug/L			03/02/23 13:38	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 13:38	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 13:38	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Chloroform	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 13:38	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 13:38	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 13:38	1
Freon 113	ND		10	0.30	ug/L			03/02/23 13:38	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 13:38	1
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 13:38	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 13:38	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 13:38	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 13:38	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 13:38	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/02/23 13:38	1

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

Job ID: 410-115936-1

Client Sample ID: Trip Blank_022023
Date Collected: 02/16/23 00:00
Date Received: 02/17/23 09:40

Lab Sample ID: 410-115936-5
Matrix: Water

Method: SW846 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			03/02/23 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*03/02/23 13:38*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/02/23 13:38*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/02/23 13:38*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/02/23 13:38*	*1*

Action Limit Summary

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

Job ID: 410-115936-1

Client Sample ID: FBS010_022023

Lab Sample ID: 410-115936-1

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	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	0.050	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.050	8270D SIM	Total/NA
Anthracene	ND		ug/L	9600	0.050	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.050	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.050	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.050	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.070	8270D SIM	Total/NA
Pyrene	ND		ug/L	960	0.050	8270D SIM	Total/NA
2-Methylnaphthalene - RE	ND	H	ug/L	36	0.051	8270D SIM	Total/NA
Acenaphthene - RE	ND	H	ug/L	1200	0.051	8270D SIM	Total/NA
Anthracene - RE	ND	H	ug/L	9600	0.051	8270D SIM	Total/NA
Benzo[a]anthracene - RE	ND	H	ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[a]pyrene - RE	ND	H	ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[b]fluoranthene - RE	ND	H	ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[k]fluoranthene - RE	ND	H	ug/L	0.1	0.051	8270D SIM	Total/NA
Chrysene - RE	ND	H	ug/L	0.1	0.051	8270D SIM	Total/NA
Dibenz(a,h)anthracene - RE	ND	H	ug/L	0.1	0.051	8270D SIM	Total/NA
Dibenzofuran - RE	ND	H	ug/L	7.9	0.051	8270D SIM	Total/NA
Fluoranthene - RE	ND	H	ug/L	300	0.051	8270D SIM	Total/NA
Fluorene - RE	ND	H	ug/L	1300	0.051	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene - RE	ND	H	ug/L	0.1	0.051	8270D SIM	Total/NA
Naphthalene - RE	ND	H	ug/L	20	0.071	8270D SIM	Total/NA
Pyrene - RE	ND	H	ug/L	960	0.051	8270D SIM	Total/NA
2,4-Dimethylphenol	ND	cn	ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND	cn	ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA

Client Sample ID: Dup-01_022023

Lab Sample ID: 410-115936-2

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	Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA

Client Sample ID: Dup-01_022023 (Continued)

Lab Sample ID: 410-115936-2

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	Limit	RL	Method	Prep Type
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	0.064		ug/L	36	0.050	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.050	8270D SIM	Total/NA
Anthracene	ND		ug/L	9600	0.050	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.050	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.050	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.050	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.071	8270D SIM	Total/NA
Pyrene	ND		ug/L	960	0.050	8270D SIM	Total/NA
2-Methylnaphthalene - RE	ND	H	ug/L	36	0.050	8270D SIM	Total/NA
Acenaphthene - RE	ND	H	ug/L	1200	0.050	8270D SIM	Total/NA
Anthracene - RE	ND	H	ug/L	9600	0.050	8270D SIM	Total/NA
Benzo[a]anthracene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[a]pyrene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[b]fluoranthene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[k]fluoranthene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Chrysene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenz(a,h)anthracene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenzofuran - RE	ND	H	ug/L	7.9	0.050	8270D SIM	Total/NA
Fluoranthene - RE	ND	H	ug/L	300	0.050	8270D SIM	Total/NA
Fluorene - RE	ND	H	ug/L	1300	0.050	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Naphthalene - RE	ND	H	ug/L	20	0.071	8270D SIM	Total/NA
Pyrene - RE	ND	H	ug/L	960	0.050	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND		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_022023

Lab Sample ID: 410-115936-3

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	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

Client Sample ID: FBW001_022023 (Continued)

Lab Sample ID: 410-115936-3

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	Limit	RL	Method	Prep Type
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	0.016	J	ug/L	7.9	0.051	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.051	8270D SIM	Total/NA
Fluorene	0.014	J	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	0.073	8270D SIM	Total/NA
Pyrene - RE	ND	H	ug/L	960	0.052	8270D SIM	Total/NA
2,4-Dimethylphenol	ND	cn	ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND	cn	ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA

Client Sample ID: FB-01_022023

Lab Sample ID: 410-115936-4

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	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: FB-01_022023 (Continued)

Lab Sample ID: 410-115936-4

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	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	0.050	8270D SIM	Total/NA
Acenaphthene - RE	ND	H	ug/L	1200	0.050	8270D SIM	Total/NA
Anthracene - RE	ND	H	ug/L	9600	0.050	8270D SIM	Total/NA
Benzo[a]anthracene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[a]pyrene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[b]fluoranthene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[k]fluoranthene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Chrysene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenz(a,h)anthracene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenzofuran - RE	ND	H	ug/L	7.9	0.050	8270D SIM	Total/NA
Fluoranthene - RE	ND	H	ug/L	300	0.050	8270D SIM	Total/NA
Fluorene - RE	ND	H	ug/L	1300	0.050	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene - RE	ND	H	ug/L	0.1	0.050	8270D SIM	Total/NA
Naphthalene - RE	ND	H	ug/L	20	0.071	8270D SIM	Total/NA
Pyrene - RE	ND	H	ug/L	960	0.050	8270D SIM	Total/NA
2,4-Dimethylphenol	ND	cn	ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND	cn	ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA

Client Sample ID: Trip Blank_022023

Lab Sample ID: 410-115936-5

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	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: 410-115936-1

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)
410-115936-1	FBS010_022023	105	93	107	100
410-115936-1 MS	FBS010-MS_022023	101	97	103	102
410-115936-1 MSD	FBS010-MSD_022023	101	97	101	101
410-115936-2	Dup-01_022023	104	93	105	101
410-115936-3	FBW001_022023	105	92	106	101
410-115936-4	FB-01_022023	101	93	104	101
410-115936-5	Trip Blank_022023	102	92	105	100
LCS 410-349446/5	Lab Control Sample	104	98	101	101
MB 410-349446/9	Method Blank	103	94	103	101

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)
410-115936-1	FBS010_022023	71 cn	81 cn	39 cn	71 cn	26 cn	72 cn
410-115936-1 MS	FBS010-MS_022023	77	81	55	74	41	72
410-115936-1 MSD	FBS010-MSD_022023	86	90	57	83	44	93
410-115936-2	Dup-01_022023	76	82	40	75	27	83
410-115936-3	FBW001_022023	74 cn	85 cn	43 cn	73 cn	28 cn	85 cn
410-115936-4	FB-01_022023	69 cn	66 cn	31 cn	55 cn	20 cn	82 cn
LCS 410-347489/2-A	Lab Control Sample	80	81	48	77	36	82
LCSD 410-347489/3-A	Lab Control Sample Dup	81	79	53	77	40	90
MB 410-347489/1-A	Method Blank	72	80	38	75	26	85

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)
410-115936-1	FBS010_022023	81	79	77
410-115936-1 - RE	FBS010_022023	89	80	89
410-115936-1 MS	FBS010-MS_022023	79	99	93
410-115936-1 MS - RE	FBS010-MS_022023	82	99	96
410-115936-1 MSD	FBS010-MSD_022023	99	95	95

Surrogate Summary

Client: Environmental Works, Inc. Job ID: 410-115936-1
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)
410-115936-1 MSD - RE	FBS010-MSD_022023	75	96	93
410-115936-2	Dup-01_022023	80	75	78
410-115936-2 - RE	Dup-01_022023	75	88	88
410-115936-3	FBW001_022023	90	84	90
410-115936-3 - RE	FBW001_022023	90	92	94
410-115936-4	FB-01_022023	60	78	75
410-115936-4 - RE	FB-01_022023	89	99	90
LCS 410-347487/2-A	Lab Control Sample	88	92	94
LCS 410-348351/2-A	Lab Control Sample	83	94	92
LCSD 410-347487/3-A	Lab Control Sample Dup	86	93	84
LCSD 410-348351/3-A	Lab Control Sample Dup	80	94	91
MB 410-347487/1-A	Method Blank	93	99	93
MB 410-348351/1-A	Method Blank	95	104	98

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 410-349446/9
Matrix: Water
Analysis Batch: 349446

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			03/02/23 12:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 12:19	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 12:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 12:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 12:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 12:19	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 12:19	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 12:19	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 12:19	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 12:19	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 12:19	1
Acetone	ND		20	0.70	ug/L			03/02/23 12:19	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 12:19	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 12:19	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Chloroform	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 12:19	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 12:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 12:19	1
Freon 113	ND		10	0.30	ug/L			03/02/23 12:19	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 12:19	1
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 12:19	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 12:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 12:19	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 12:19	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 12:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1

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

Lab Sample ID: MB 410-349446/9
Matrix: Water
Analysis Batch: 349446

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			03/02/23 12:19	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/02/23 12:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/02/23 12:19*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/02/23 12:19*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/02/23 12:19*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/02/23 12:19*	*1*

Lab Sample ID: LCS 410-349446/5
Matrix: Water
Analysis Batch: 349446

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	67 - 126
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	72 - 120
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	80 - 120
1,1-Dichloroethane	20.0	18.2		ug/L		91	80 - 120
1,1-Dichloroethene	20.0	18.2		ug/L		91	80 - 131
1,2,4-Trichlorobenzene	20.0	18.3		ug/L		91	63 - 120
1,2,4-Trimethylbenzene	20.0	18.8		ug/L		94	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.9		ug/L		85	47 - 131
1,2-Dibromoethane	20.0	19.3		ug/L		96	77 - 120
1,2-Dichlorobenzene	20.0	18.1		ug/L		91	80 - 120
1,2-Dichloroethane	20.0	18.3		ug/L		92	73 - 124
1,2-Dichloropropane	20.0	18.7		ug/L		93	80 - 120
1,3,5-Trimethylbenzene	20.0	18.9		ug/L		95	75 - 120
1,3-Dichlorobenzene	20.0	18.6		ug/L		93	80 - 120
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120
2-Butanone	250	231		ug/L		92	59 - 135
2-Hexanone	250	251		ug/L		100	56 - 135
4-Methyl-2-pentanone	250	246		ug/L		98	62 - 133
Acetone	250	244		ug/L		97	54 - 157
Benzene	20.0	19.0		ug/L		95	80 - 120
Bromodichloromethane	20.0	18.6		ug/L		93	71 - 120
Bromoform	20.0	18.6		ug/L		93	51 - 120
Bromomethane	20.0	14.5		ug/L		73	53 - 128
Carbon disulfide	20.0	17.0		ug/L		85	65 - 128
Carbon tetrachloride	20.0	18.4		ug/L		92	64 - 134
Chlorobenzene	20.0	18.5		ug/L		93	80 - 120
Chloroethane	20.0	16.2		ug/L		81	55 - 123
Chloroform	20.0	18.4		ug/L		92	80 - 120
Chloromethane	20.0	13.6		ug/L		68	56 - 121
cis-1,2-Dichloroethene	20.0	19.7		ug/L		98	80 - 125
cis-1,3-Dichloropropene	20.0	18.1		ug/L		91	75 - 120
Cyclohexane	20.0	16.0		ug/L		80	68 - 126
Dibromochloromethane	20.0	18.8		ug/L		94	71 - 120
Dichlorodifluoromethane	20.0	11.2		ug/L		56	41 - 127

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

Lab Sample ID: LCS 410-349446/5
Matrix: Water
Analysis Batch: 349446

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	15.4		ug/L		77	73 - 139
Isopropylbenzene	20.0	18.9		ug/L		95	80 - 120
Methyl acetate	20.0	20.2		ug/L		101	54 - 136
Methyl tertiary butyl ether	20.0	17.0		ug/L		85	69 - 122
Methylcyclohexane	20.0	15.8		ug/L		79	67 - 121
Methylene Chloride	20.0	19.0		ug/L		95	80 - 120
Styrene	20.0	18.7		ug/L		93	80 - 120
Tetrachloroethene	20.0	18.5		ug/L		92	80 - 120
Toluene	20.0	18.8		ug/L		94	80 - 120
trans-1,2-Dichloroethene	20.0	18.3		ug/L		91	80 - 126
trans-1,3-Dichloropropene	20.0	18.4		ug/L		92	67 - 120
Trichloroethene	20.0	18.5		ug/L		92	80 - 120
Trichlorofluoromethane	20.0	12.4		ug/L		62	55 - 135
Vinyl chloride	20.0	13.6		ug/L		68	56 - 120
Xylenes, Total	60.0	55.7		ug/L		93	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 410-115936-1 MS
Matrix: Water
Analysis Batch: 349446

Client Sample ID: FBS010-MS_022023
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	20.1		ug/L		101	67 - 126
1,1,2,2-Tetrachloroethane	ND		20.0	19.6		ug/L		98	72 - 120
1,1,2-Trichloroethane	ND		20.0	19.3		ug/L		97	80 - 120
1,1-Dichloroethane	ND		20.0	19.4		ug/L		97	80 - 120
1,1-Dichloroethene	ND		20.0	20.2		ug/L		101	80 - 131
1,2,4-Trichlorobenzene	ND		20.0	18.7		ug/L		93	63 - 120
1,2,4-Trimethylbenzene	ND		20.0	19.9		ug/L		99	75 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	16.9		ug/L		84	47 - 131
1,2-Dibromoethane	ND		20.0	19.4		ug/L		97	77 - 120
1,2-Dichlorobenzene	ND		20.0	19.4		ug/L		97	80 - 120
1,2-Dichloroethane	ND		20.0	19.3		ug/L		97	73 - 124
1,2-Dichloropropane	ND		20.0	19.7		ug/L		99	80 - 120
1,3,5-Trimethylbenzene	ND		20.0	20.1		ug/L		101	75 - 120
1,3-Dichlorobenzene	ND		20.0	19.8		ug/L		99	80 - 120
1,4-Dichlorobenzene	ND		20.0	20.8		ug/L		104	80 - 120
2-Butanone	ND		250	231		ug/L		92	59 - 135
2-Hexanone	ND		250	251		ug/L		100	56 - 135
4-Methyl-2-pentanone	ND		250	247		ug/L		99	62 - 133
Acetone	ND		250	251		ug/L		101	54 - 157
Benzene	ND		20.0	20.4		ug/L		102	80 - 120

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

Lab Sample ID: 410-115936-1 MS
Matrix: Water
Analysis Batch: 349446

Client Sample ID: FBS010-MS_022023
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	ND		20.0	19.7		ug/L		99	71 - 120
Bromoform	ND		20.0	19.1		ug/L		96	51 - 120
Bromomethane	ND		20.0	16.1		ug/L		80	53 - 128
Carbon disulfide	ND		20.0	18.7		ug/L		93	65 - 128
Carbon tetrachloride	ND		20.0	20.3		ug/L		101	64 - 134
Chlorobenzene	ND		20.0	19.6		ug/L		98	80 - 120
Chloroethane	ND		20.0	17.5		ug/L		87	55 - 123
Chloroform	ND		20.0	19.9		ug/L		100	80 - 120
Chloromethane	ND		20.0	13.8		ug/L		69	56 - 121
cis-1,2-Dichloroethene	ND		20.0	20.7		ug/L		104	80 - 125
cis-1,3-Dichloropropene	ND		20.0	18.3		ug/L		91	75 - 120
Cyclohexane	ND		20.0	19.1		ug/L		95	68 - 126
Dibromochloromethane	ND		20.0	19.5		ug/L		98	71 - 120
Dichlorodifluoromethane	ND		20.0	14.4		ug/L		72	41 - 127
Ethylbenzene	ND		20.0	19.8		ug/L		99	80 - 120
Freon 113	ND		20.0	19.3		ug/L		96	73 - 139
Isopropylbenzene	ND		20.0	20.1		ug/L		100	80 - 120
Methyl acetate	ND		20.0	21.8		ug/L		109	54 - 136
Methyl tertiary butyl ether	ND		20.0	16.9		ug/L		85	69 - 122
Methylcyclohexane	ND		20.0	19.4		ug/L		97	67 - 121
Methylene Chloride	ND		20.0	19.9		ug/L		100	80 - 120
Styrene	ND		20.0	19.7		ug/L		98	80 - 120
Tetrachloroethene	ND		20.0	20.5		ug/L		102	80 - 120
Toluene	ND		20.0	19.9		ug/L		100	80 - 120
trans-1,2-Dichloroethene	ND		20.0	20.2		ug/L		101	80 - 126
trans-1,3-Dichloropropene	ND		20.0	18.6		ug/L		93	67 - 120
Trichloroethene	ND		20.0	20.1		ug/L		100	80 - 120
Trichlorofluoromethane	ND		20.0	14.3		ug/L		72	55 - 135
Vinyl chloride	ND		20.0	15.4		ug/L		77	56 - 120
Xylenes, Total	ND		60.0	58.8		ug/L		98	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 410-115936-1 MSD
Matrix: Water
Analysis Batch: 349446

Client Sample ID: FBS010-MSD_022023
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	20.2		ug/L		101	67 - 126	0	30
1,1,2,2-Tetrachloroethane	ND		20.0	19.5		ug/L		97	72 - 120	0	30
1,1,2-Trichloroethane	ND		20.0	19.2		ug/L		96	80 - 120	1	30
1,1-Dichloroethane	ND		20.0	19.6		ug/L		98	80 - 120	1	30
1,1-Dichloroethene	ND		20.0	20.2		ug/L		101	80 - 131	0	30
1,2,4-Trichlorobenzene	ND		20.0	19.4		ug/L		97	63 - 120	4	30

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

Lab Sample ID: 410-115936-1 MSD
Matrix: Water
Analysis Batch: 349446

Client Sample ID: FBS010-MSD_022023
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	ND		20.0	19.9		ug/L		99	75 - 120	0	30
1,2-Dibromo-3-Chloropropane	ND		20.0	17.1		ug/L		86	47 - 131	1	30
1,2-Dibromoethane	ND		20.0	19.9		ug/L		99	77 - 120	3	30
1,2-Dichlorobenzene	ND		20.0	19.4		ug/L		97	80 - 120	0	30
1,2-Dichloroethane	ND		20.0	18.9		ug/L		94	73 - 124	2	30
1,2-Dichloropropane	ND		20.0	19.8		ug/L		99	80 - 120	1	30
1,3,5-Trimethylbenzene	ND		20.0	20.3		ug/L		101	75 - 120	1	30
1,3-Dichlorobenzene	ND		20.0	19.7		ug/L		98	80 - 120	1	30
1,4-Dichlorobenzene	ND		20.0	20.5		ug/L		102	80 - 120	1	30
2-Butanone	ND		250	230		ug/L		92	59 - 135	1	30
2-Hexanone	ND		250	250		ug/L		100	56 - 135	0	30
4-Methyl-2-pentanone	ND		250	246		ug/L		99	62 - 133	0	30
Acetone	ND		250	246		ug/L		99	54 - 157	2	30
Benzene	ND		20.0	20.3		ug/L		101	80 - 120	0	30
Bromodichloromethane	ND		20.0	19.6		ug/L		98	71 - 120	1	30
Bromoform	ND		20.0	19.0		ug/L		95	51 - 120	1	30
Bromomethane	ND		20.0	16.6		ug/L		83	53 - 128	3	30
Carbon disulfide	ND		20.0	18.5		ug/L		92	65 - 128	1	30
Carbon tetrachloride	ND		20.0	20.6		ug/L		103	64 - 134	2	30
Chlorobenzene	ND		20.0	19.8		ug/L		99	80 - 120	1	30
Chloroethane	ND		20.0	18.0		ug/L		90	55 - 123	3	30
Chloroform	ND		20.0	19.5		ug/L		98	80 - 120	2	30
Chloromethane	ND		20.0	15.0		ug/L		75	56 - 121	9	30
cis-1,2-Dichloroethene	ND		20.0	20.8		ug/L		104	80 - 125	1	30
cis-1,3-Dichloropropene	ND		20.0	18.2		ug/L		91	75 - 120	0	30
Cyclohexane	ND		20.0	19.2		ug/L		96	68 - 126	1	30
Dibromochloromethane	ND		20.0	19.5		ug/L		97	71 - 120	0	30
Dichlorodifluoromethane	ND		20.0	14.7		ug/L		74	41 - 127	2	30
Ethylbenzene	ND		20.0	19.8		ug/L		99	80 - 120	0	30
Freon 113	ND		20.0	19.2		ug/L		96	73 - 139	0	30
Isopropylbenzene	ND		20.0	20.2		ug/L		101	80 - 120	1	30
Methyl acetate	ND		20.0	17.2		ug/L		86	54 - 136	23	30
Methyl tertiary butyl ether	ND		20.0	17.1		ug/L		85	69 - 122	1	30
Methylcyclohexane	ND		20.0	19.6		ug/L		98	67 - 121	1	30
Methylene Chloride	ND		20.0	19.6		ug/L		98	80 - 120	2	30
Styrene	ND		20.0	19.6		ug/L		98	80 - 120	1	30
Tetrachloroethene	ND		20.0	20.5		ug/L		102	80 - 120	0	30
Toluene	ND		20.0	20.0		ug/L		100	80 - 120	0	30
trans-1,2-Dichloroethene	ND		20.0	19.9		ug/L		99	80 - 126	1	30
trans-1,3-Dichloropropene	ND		20.0	18.6		ug/L		93	67 - 120	0	30
Trichloroethene	ND		20.0	20.0		ug/L		100	80 - 120	0	30
Trichlorofluoromethane	ND		20.0	14.8		ug/L		74	55 - 135	3	30
Vinyl chloride	ND		20.0	15.9		ug/L		80	56 - 120	3	30
Xylenes, Total	ND		60.0	58.8		ug/L		98	80 - 120	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

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

Lab Sample ID: 410-115936-1 MSD
Matrix: Water
Analysis Batch: 349446

Client Sample ID: FBS010-MSD_022023
Prep Type: Total/NA

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

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

Lab Sample ID: MB 410-347489/1-A
Matrix: Water
Analysis Batch: 347567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 347489

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		02/23/23 16:29	02/23/23 23:19	1
2,4-Dinitrophenol	ND		30	10	ug/L		02/23/23 16:29	02/23/23 23:19	1
2-Chlorophenol	ND		2	0.5	ug/L		02/23/23 16:29	02/23/23 23:19	1
Carbazole	ND		2	0.5	ug/L		02/23/23 16:29	02/23/23 23:19	1
Phenol	ND		2	0.5	ug/L		02/23/23 16:29	02/23/23 23:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*72*		*10 - 150*	*02/23/23 16:29*	*02/23/23 23:19*	*1*
2-Fluorobiphenyl (Surr)	*80*		*44 - 120*	*02/23/23 16:29*	*02/23/23 23:19*	*1*
2-Fluorophenol (Surr)	*38*		*10 - 120*	*02/23/23 16:29*	*02/23/23 23:19*	*1*
Nitrobenzene-d5 (Surr)	*75*		*25 - 125*	*02/23/23 16:29*	*02/23/23 23:19*	*1*
Phenol-d5 (Surr)	*26*		*10 - 120*	*02/23/23 16:29*	*02/23/23 23:19*	*1*
p-Terphenyl-d14 (Surr)	*85*		*37 - 120*	*02/23/23 16:29*	*02/23/23 23:19*	*1*

Lab Sample ID: LCS 410-347489/2-A
Matrix: Water
Analysis Batch: 347567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 347489

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	50.0	45		ug/L		90	62 - 120
2,4-Dinitrophenol	100	69		ug/L		69	43 - 146
2-Chlorophenol	50.0	41		ug/L		82	57 - 120
Carbazole	50.0	51		ug/L		102	74 - 120
Phenol	50.0	22		ug/L		44	22 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*
2-Fluorobiphenyl (Surr)	*81*		*44 - 120*
2-Fluorophenol (Surr)	*48*		*10 - 120*
Nitrobenzene-d5 (Surr)	*77*		*25 - 125*
Phenol-d5 (Surr)	*36*		*10 - 120*
p-Terphenyl-d14 (Surr)	*82*		*37 - 120*

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

Lab Sample ID: LCSD 410-347489/3-A
Matrix: Water
Analysis Batch: 347567

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 347489

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			50.0	44		ug/L		89	62 - 120	1	30
2,4-Dinitrophenol			100	67		ug/L		67	43 - 146	3	30
2-Chlorophenol			50.0	40		ug/L		81	57 - 120	2	30
Carbazole			50.0	53		ug/L		105	74 - 120	4	30
Phenol			50.0	24		ug/L		48	22 - 120	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*
2-Fluorobiphenyl (Surr)	*79*		*44 - 120*
2-Fluorophenol (Surr)	*53*		*10 - 120*
Nitrobenzene-d5 (Surr)	*77*		*25 - 125*
Phenol-d5 (Surr)	*40*		*10 - 120*
p-Terphenyl-d14 (Surr)	*90*		*37 - 120*

Lab Sample ID: 410-115936-1 MS
Matrix: Water
Analysis Batch: 347567

Client Sample ID: FBS010-MS_022023
Prep Type: Total/NA
Prep Batch: 347489

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	ND	cn	50.5	45		ug/L		88	62 - 120
2,4-Dinitrophenol	ND	cn	101	53		ug/L		52	43 - 146
2-Chlorophenol	ND	cn	50.5	43		ug/L		85	57 - 120
Carbazole	ND	cn	50.5	51		ug/L		100	74 - 120
Phenol	ND	cn	50.5	26		ug/L		51	22 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*10 - 150*
2-Fluorobiphenyl (Surr)	*81*		*44 - 120*
2-Fluorophenol (Surr)	*55*		*10 - 120*
Nitrobenzene-d5 (Surr)	*74*		*25 - 125*
Phenol-d5 (Surr)	*41*		*10 - 120*
p-Terphenyl-d14 (Surr)	*72*		*37 - 120*

Lab Sample ID: 410-115936-1 MSD
Matrix: Water
Analysis Batch: 347567

Client Sample ID: FBS010-MSD_022023
Prep Type: Total/NA
Prep Batch: 347489

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol	ND	cn	50.7	52		ug/L		103	62 - 120	16	30
2,4-Dinitrophenol	ND	cn	101	55		ug/L		54	43 - 146	3	30
2-Chlorophenol	ND	cn	50.7	48		ug/L		95	57 - 120	12	30
Carbazole	ND	cn	50.7	58		ug/L		114	74 - 120	14	30
Phenol	ND	cn	50.7	28		ug/L		55	22 - 120	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*10 - 150*
2-Fluorobiphenyl (Surr)	*90*		*44 - 120*

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

Lab Sample ID: 410-115936-1 MSD
Matrix: Water
Analysis Batch: 347567

Client Sample ID: FBS010-MSD_022023
Prep Type: Total/NA
Prep Batch: 347489

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorophenol (Surr)	*57*		*10 - 120*
Nitrobenzene-d5 (Surr)	*83*		*25 - 125*
Phenol-d5 (Surr)	*44*		*10 - 120*
p-Terphenyl-d14 (Surr)	*93*		*37 - 120*

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

Lab Sample ID: MB 410-347487/1-A
Matrix: Water
Analysis Batch: 347593

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 347487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		02/23/23 16:24	02/24/23 05:18	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Acenaphthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Acenaphthylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Bis(2-ethylhexyl) phthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Chrysene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Dibenzofuran	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Diethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Dimethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Di-n-butyl phthalate	0.202	J	1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Fluorene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Naphthalene	ND		0.070	0.030	ug/L		02/23/23 16:24	02/24/23 05:18	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Phenanthrene	ND		0.070	0.030	ug/L		02/23/23 16:24	02/24/23 05:18	1
Pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene-d10 (Surr)	*93*		*36 - 111*	*02/23/23 16:24*	*02/24/23 05:18*	*1*
Benzo(a)pyrene-d12 (Surr)	*99*		*10 - 110*	*02/23/23 16:24*	*02/24/23 05:18*	*1*
Fluoranthene-d10 (Surr)	*93*		*47 - 128*	*02/23/23 16:24*	*02/24/23 05:18*	*1*

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

Lab Sample ID: LCS 410-347487/2-A
Matrix: Water
Analysis Batch: 347593

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 347487

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			1.00	0.524		ug/L		52	23 - 120		
1-Methylnaphthalene			1.00	0.751		ug/L		75	23 - 124		
2-Methylnaphthalene			1.00	0.703		ug/L		70	20 - 133		
Acenaphthene			1.00	0.895		ug/L		90	42 - 120		
Acenaphthylene			1.00	0.805		ug/L		80	49 - 120		
Anthracene			1.00	0.911		ug/L		91	54 - 121		
Benzo[a]anthracene			1.00	0.944		ug/L		94	61 - 122		
Benzo[a]pyrene			1.00	0.878		ug/L		88	60 - 120		
Benzo[b]fluoranthene			1.00	0.835		ug/L		83	58 - 122		
Benzo[g,h,i]perylene			1.00	0.720		ug/L		72	50 - 120		
Benzo[k]fluoranthene			1.00	0.856		ug/L		86	57 - 128		
Bis(2-chloroethyl)ether			1.00	1.13		ug/L		113	59 - 130		
Bis(2-ethylhexyl) phthalate			1.00	0.782	J	ug/L		78	14 - 155		
Butylbenzylphthalate			1.00	0.932	J	ug/L		93	10 - 120		
Chrysene			1.00	0.816		ug/L		82	55 - 123		
Dibenz(a,h)anthracene			1.00	0.708		ug/L		71	50 - 121		
Dibenzofuran			1.00	0.813		ug/L		81	48 - 124		
Diethylphthalate			1.00	0.917	J	ug/L		92	38 - 120		
Dimethylphthalate			1.00	0.859	J	ug/L		86	10 - 121		
Di-n-butyl phthalate			1.00	1.26	*+	ug/L		126	46 - 125		
Di-n-octyl phthalate			1.00	0.604	J	ug/L		60	22 - 130		
Fluoranthene			1.00	0.872		ug/L		87	61 - 123		
Fluorene			1.00	0.814		ug/L		81	55 - 120		
Hexachlorobenzene			1.00	0.761		ug/L		76	20 - 120		
Indeno[1,2,3-cd]pyrene			1.00	0.779		ug/L		78	47 - 143		
Naphthalene			1.00	0.847		ug/L		85	20 - 120		
N-Nitrosodimethylamine			1.00	0.848		ug/L		85	37 - 120		
Phenanthrene			1.00	0.909		ug/L		91	59 - 120		
Pyrene			1.00	0.870		ug/L		87	46 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*88*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*92*		*10 - 110*
Fluoranthene-d10 (Surr)	*94*		*47 - 128*

Lab Sample ID: LCSD 410-347487/3-A
Matrix: Water
Analysis Batch: 347593

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 347487

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.00	0.586		ug/L		59	23 - 120	11	30
1-Methylnaphthalene			1.00	0.782		ug/L		78	23 - 124	4	30
2-Methylnaphthalene			1.00	0.735		ug/L		74	20 - 133	4	30
Acenaphthene			1.00	0.901		ug/L		90	42 - 120	1	30
Acenaphthylene			1.00	0.810		ug/L		81	49 - 120	1	30
Anthracene			1.00	0.920		ug/L		92	54 - 121	1	30
Benzo[a]anthracene			1.00	0.931		ug/L		93	61 - 122	1	30
Benzo[a]pyrene			1.00	0.921		ug/L		92	60 - 120	5	30

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

Lab Sample ID: LCSD 410-347487/3-A
Matrix: Water
Analysis Batch: 347593

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 347487

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[b]fluoranthene			1.00	0.867		ug/L		87	58 - 122	4	30
Benzo[g,h,i]perylene			1.00	0.836		ug/L		84	50 - 120	15	30
Benzo[k]fluoranthene			1.00	0.895		ug/L		89	57 - 128	4	30
Bis(2-chloroethyl)ether			1.00	1.20		ug/L		120	59 - 130	5	30
Bis(2-ethylhexyl) phthalate			1.00	0.862	J	ug/L		86	14 - 155	10	30
Butylbenzylphthalate			1.00	0.879	J	ug/L		88	10 - 120	6	30
Chrysene			1.00	0.840		ug/L		84	55 - 123	3	30
Dibenz(a,h)anthracene			1.00	0.871		ug/L		87	50 - 121	21	30
Dibenzofuran			1.00	0.814		ug/L		81	48 - 124	0	30
Diethylphthalate			1.00	0.923	J	ug/L		92	38 - 120	1	30
Dimethylphthalate			1.00	0.844	J	ug/L		84	10 - 121	2	30
Di-n-butyl phthalate			1.00	1.59	*+	ug/L		159	46 - 125	23	30
Di-n-octyl phthalate			1.00	0.764	J	ug/L		76	22 - 130	23	30
Fluoranthene			1.00	0.829		ug/L		83	61 - 123	5	30
Fluorene			1.00	0.818		ug/L		82	55 - 120	1	30
Hexachlorobenzene			1.00	0.768		ug/L		77	20 - 120	1	30
Indeno[1,2,3-cd]pyrene			1.00	0.892		ug/L		89	47 - 143	14	30
Naphthalene			1.00	0.870		ug/L		87	20 - 120	3	30
N-Nitrosodimethylamine			1.00	0.901		ug/L		90	37 - 120	6	30
Phenanthrene			1.00	0.904		ug/L		90	59 - 120	1	30
Pyrene			1.00	0.830		ug/L		83	46 - 122	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*86*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*93*		*10 - 110*
Fluoranthene-d10 (Surr)	*84*		*47 - 128*

Lab Sample ID: 410-115936-1 MS
Matrix: Water
Analysis Batch: 347593

Client Sample ID: FBS010-MS_022023
Prep Type: Total/NA
Prep Batch: 347487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND		1.01	0.501		ug/L		49	23 - 120
1-Methylnaphthalene	ND		1.01	0.732		ug/L		72	23 - 124
2-Methylnaphthalene	ND		1.01	0.686		ug/L		68	20 - 133
Acenaphthene	ND		1.01	0.914		ug/L		90	42 - 120
Acenaphthylene	ND		1.01	0.846		ug/L		83	49 - 120
Anthracene	ND		1.01	0.971		ug/L		96	54 - 121
Benzo[a]anthracene	ND		1.01	1.00		ug/L		99	61 - 122
Benzo[a]pyrene	ND		1.01	0.993		ug/L		98	60 - 120
Benzo[b]fluoranthene	ND		1.01	0.966		ug/L		95	58 - 122
Benzo[g,h,i]perylene	ND		1.01	0.883		ug/L		87	50 - 120
Benzo[k]fluoranthene	ND		1.01	0.966		ug/L		95	57 - 128
Bis(2-chloroethyl)ether	ND	F1	1.01	1.02		ug/L		101	59 - 130
Bis(2-ethylhexyl) phthalate	ND	cn	1.01	0.953	J	ug/L		94	14 - 155
Butylbenzylphthalate	ND		1.01	0.931	J	ug/L		92	10 - 120
Chrysene	ND		1.01	0.912		ug/L		90	55 - 123
Dibenz(a,h)anthracene	ND		1.01	0.920		ug/L		91	50 - 121

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

Lab Sample ID: 410-115936-1 MS
Matrix: Water
Analysis Batch: 347593

Client Sample ID: FBS010-MS_022023
Prep Type: Total/NA
Prep Batch: 347487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenzofuran	ND		1.01	0.833		ug/L		82	48 - 124
Diethylphthalate	ND		1.01	0.964	J	ug/L		95	38 - 120
Dimethylphthalate	ND		1.01	0.918	J	ug/L		90	10 - 121
Di-n-butyl phthalate	0.26	J B *+ cn	1.01	1.28		ug/L		100	46 - 125
Di-n-octyl phthalate	ND		1.01	0.806	J	ug/L		79	22 - 130
Fluoranthene	ND		1.01	0.926		ug/L		91	61 - 123
Fluorene	ND		1.01	0.840		ug/L		83	55 - 120
Hexachlorobenzene	ND		1.01	0.831		ug/L		82	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.01	0.957		ug/L		94	47 - 143
Naphthalene	ND		1.01	0.792		ug/L		78	20 - 120
N-Nitrosodimethylamine	ND	cn	1.01	0.859		ug/L		85	37 - 120
Phenanthrene	ND		1.01	0.963		ug/L		95	59 - 120
Pyrene	ND		1.01	0.930		ug/L		92	46 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*79*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*99*		*10 - 110*
Fluoranthene-d10 (Surr)	*93*		*47 - 128*

Lab Sample ID: 410-115936-1 MSD
Matrix: Water
Analysis Batch: 347593

Client Sample ID: FBS010-MSD_022023
Prep Type: Total/NA
Prep Batch: 347487

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND		1.01	0.621		ug/L		62	23 - 120	21	30
1-Methylnaphthalene	ND		1.01	0.915		ug/L		91	23 - 124	22	30
2-Methylnaphthalene	ND		1.01	0.855		ug/L		85	20 - 133	22	30
Acenaphthene	ND		1.01	1.02		ug/L		101	42 - 120	11	30
Acenaphthylene	ND		1.01	0.951		ug/L		94	49 - 120	12	30
Anthracene	ND		1.01	1.03		ug/L		102	54 - 121	6	30
Benzo[a]anthracene	ND		1.01	0.991		ug/L		98	61 - 122	1	30
Benzo[a]pyrene	ND		1.01	0.972		ug/L		97	60 - 120	2	30
Benzo[b]fluoranthene	ND		1.01	0.862		ug/L		86	58 - 122	11	30
Benzo[g,h,i]perylene	ND		1.01	0.797		ug/L		79	50 - 120	10	30
Benzo[k]fluoranthene	ND		1.01	1.00		ug/L		100	57 - 128	4	30
Bis(2-chloroethyl)ether	ND	F1	1.01	1.31	F1	ug/L		131	59 - 130	25	30
Bis(2-ethylhexyl) phthalate	ND	cn	1.01	0.764	J	ug/L		76	14 - 155	22	30
Butylbenzylphthalate	ND		1.01	0.946	J	ug/L		94	10 - 120	2	30
Chrysene	ND		1.01	0.887		ug/L		88	55 - 123	3	30
Dibenz(a,h)anthracene	ND		1.01	0.815		ug/L		81	50 - 121	12	30
Dibenzofuran	ND		1.01	0.943		ug/L		94	48 - 124	12	30
Diethylphthalate	ND		1.01	1.00		ug/L		99	38 - 120	4	30
Dimethylphthalate	ND		1.01	0.985	J	ug/L		98	10 - 121	7	30
Di-n-butyl phthalate	0.26	J B *+ cn	1.01	1.38		ug/L		112	46 - 125	8	30
Di-n-octyl phthalate	ND		1.01	0.659	J	ug/L		65	22 - 130	20	30
Fluoranthene	ND		1.01	0.937		ug/L		93	61 - 123	1	30
Fluorene	ND		1.01	0.931		ug/L		93	55 - 120	10	30
Hexachlorobenzene	ND		1.01	0.880		ug/L		87	20 - 120	6	30

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

Lab Sample ID: 410-115936-1 MSD
Matrix: Water
Analysis Batch: 347593

Client Sample ID: FBS010-MSD_022023
Prep Type: Total/NA
Prep Batch: 347487

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene	ND		1.01	0.867		ug/L		86	47 - 143	10	30
Naphthalene	ND		1.01	0.985		ug/L		98	20 - 120	22	30
N-Nitrosodimethylamine	ND	cn	1.01	0.997		ug/L		99	37 - 120	15	30
Phenanthrene	ND		1.01	0.998		ug/L		99	59 - 120	4	30
Pyrene	ND		1.01	0.951		ug/L		94	46 - 122	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*99*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*95*		*10 - 110*
Fluoranthene-d10 (Surr)	*95*		*47 - 128*

Lab Sample ID: MB 410-348351/1-A
Matrix: Water
Analysis Batch: 348434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348351

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		02/27/23 16:02	02/28/23 04:17	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		02/27/23 16:02	02/28/23 04:17	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		02/27/23 16:02	02/28/23 04:17	1
Acenaphthene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Acenaphthylene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Anthracene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		02/27/23 16:02	02/28/23 04:17	1
Bis(2-ethylhexyl) phthalate	2.01		1.0	0.050	ug/L		02/27/23 16:02	02/28/23 04:17	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		02/27/23 16:02	02/28/23 04:17	1
Chrysene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		02/27/23 16:02	02/28/23 04:17	1
Dibenzofuran	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Diethylphthalate	ND		1.0	0.050	ug/L		02/27/23 16:02	02/28/23 04:17	1
Dimethylphthalate	ND		1.0	0.050	ug/L		02/27/23 16:02	02/28/23 04:17	1
Di-n-butyl phthalate	3.52		1.0	0.050	ug/L		02/27/23 16:02	02/28/23 04:17	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		02/27/23 16:02	02/28/23 04:17	1
Fluoranthene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Fluorene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		02/27/23 16:02	02/28/23 04:17	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		02/27/23 16:02	02/28/23 04:17	1
Naphthalene	ND		0.070	0.030	ug/L		02/27/23 16:02	02/28/23 04:17	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		02/27/23 16:02	02/28/23 04:17	1
Phenanthrene	ND		0.070	0.030	ug/L		02/27/23 16:02	02/28/23 04:17	1
Pyrene	ND		0.050	0.010	ug/L		02/27/23 16:02	02/28/23 04:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*95*		*36 - 111*	*02/27/23 16:02*	*02/28/23 04:17*	*1*

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

Lab Sample ID: MB 410-348351/1-A
Matrix: Water
Analysis Batch: 348434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348351

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	104		10 - 110	02/27/23 16:02	02/28/23 04:17	1
Fluoranthene-d10 (Surr)	98		47 - 128	02/27/23 16:02	02/28/23 04:17	1

Lab Sample ID: LCS 410-348351/2-A
Matrix: Water
Analysis Batch: 348434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.612		ug/L		61	23 - 120
1-Methylnaphthalene	1.00	0.802		ug/L		80	23 - 124
2-Methylnaphthalene	1.00	0.747		ug/L		75	20 - 133
Acenaphthene	1.00	1.01		ug/L		101	42 - 120
Acenaphthylene	1.00	0.953		ug/L		95	49 - 120
Anthracene	1.00	1.02		ug/L		102	54 - 121
Benzo[a]anthracene	1.00	0.967		ug/L		97	61 - 122
Benzo[a]pyrene	1.00	1.04		ug/L		104	60 - 120
Benzo[b]fluoranthene	1.00	1.01		ug/L		101	58 - 122
Benzo[g,h,i]perylene	1.00	0.965		ug/L		97	50 - 120
Benzo[k]fluoranthene	1.00	1.10		ug/L		110	57 - 128
Bis(2-chloroethyl)ether	1.00	1.10		ug/L		110	59 - 130
Bis(2-ethylhexyl) phthalate	1.00	2.25	*+	ug/L		225	14 - 155
Butylbenzylphthalate	1.00	0.836	J	ug/L		84	10 - 120
Chrysene	1.00	0.969		ug/L		97	55 - 123
Dibenz(a,h)anthracene	1.00	0.934		ug/L		93	50 - 121
Dibenzofuran	1.00	0.927		ug/L		93	48 - 124
Diethylphthalate	1.00	1.13		ug/L		113	38 - 120
Dimethylphthalate	1.00	1.05		ug/L		105	10 - 121
Di-n-butyl phthalate	1.00	1.77	*+	ug/L		177	46 - 125
Di-n-octyl phthalate	1.00	0.880	J	ug/L		88	22 - 130
Fluoranthene	1.00	0.964		ug/L		96	61 - 123
Fluorene	1.00	0.953		ug/L		95	55 - 120
Hexachlorobenzene	1.00	0.920		ug/L		92	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.964		ug/L		96	47 - 143
Naphthalene	1.00	0.904		ug/L		90	20 - 120
N-Nitrosodimethylamine	1.00	0.857		ug/L		86	37 - 120
Phenanthrene	1.00	1.06		ug/L		106	59 - 120
Pyrene	1.00	0.991		ug/L		99	46 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Methylnaphthalene-d10 (Surr)	83		36 - 111
Benzo(a)pyrene-d12 (Surr)	94		10 - 110
Fluoranthene-d10 (Surr)	92		47 - 128

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

Lab Sample ID: LCSD 410-348351/3-A
Matrix: Water
Analysis Batch: 348434

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 348351

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.00	0.640		ug/L		64	23 - 120	4	30
1-Methylnaphthalene			1.00	0.758		ug/L		76	23 - 124	6	30
2-Methylnaphthalene			1.00	0.712		ug/L		71	20 - 133	5	30
Acenaphthene			1.00	0.959		ug/L		96	42 - 120	5	30
Acenaphthylene			1.00	0.901		ug/L		90	49 - 120	6	30
Anthracene			1.00	0.937		ug/L		94	54 - 121	9	30
Benzo[a]anthracene			1.00	0.890		ug/L		89	61 - 122	8	30
Benzo[a]pyrene			1.00	0.972		ug/L		97	60 - 120	7	30
Benzo[b]fluoranthene			1.00	0.964		ug/L		96	58 - 122	5	30
Benzo[g,h,i]perylene			1.00	0.915		ug/L		91	50 - 120	5	30
Benzo[k]fluoranthene			1.00	1.05		ug/L		105	57 - 128	5	30
Bis(2-chloroethyl)ether			1.00	1.05		ug/L		105	59 - 130	5	30
Bis(2-ethylhexyl) phthalate			1.00	0.866	J *1	ug/L		87	14 - 155	89	30
Butylbenzylphthalate			1.00	0.739	J	ug/L		74	10 - 120	12	30
Chrysene			1.00	0.886		ug/L		89	55 - 123	9	30
Dibenz(a,h)anthracene			1.00	0.897		ug/L		90	50 - 121	4	30
Dibenzofuran			1.00	0.867		ug/L		87	48 - 124	7	30
Diethylphthalate			1.00	1.05		ug/L		105	38 - 120	7	30
Dimethylphthalate			1.00	0.932	J	ug/L		93	10 - 121	12	30
Di-n-butyl phthalate			1.00	2.53	*+ *1	ug/L		253	46 - 125	35	30
Di-n-octyl phthalate			1.00	0.785	J	ug/L		78	22 - 130	12	30
Fluoranthene			1.00	0.895		ug/L		89	61 - 123	7	30
Fluorene			1.00	0.882		ug/L		88	55 - 120	8	30
Hexachlorobenzene			1.00	0.879		ug/L		88	20 - 120	5	30
Indeno[1,2,3-cd]pyrene			1.00	0.900		ug/L		90	47 - 143	7	30
Naphthalene			1.00	0.880		ug/L		88	20 - 120	3	30
N-Nitrosodimethylamine			1.00	0.864		ug/L		86	37 - 120	1	30
Phenanthrene			1.00	0.937		ug/L		94	59 - 120	12	30
Pyrene			1.00	0.888		ug/L		89	46 - 122	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*80*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*94*		*10 - 110*
Fluoranthene-d10 (Surr)	*91*		*47 - 128*

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

Lab Sample ID: 410-115936-1 MS
Matrix: Water
Analysis Batch: 348434

Client Sample ID: FBS010-MS_022023
Prep Type: Total/NA
Prep Batch: 348351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane - RE	ND	H	1.01	0.566	H	ug/L		56	23 - 120
1-Methylnaphthalene - RE	ND	H	1.01	0.820	H	ug/L		81	23 - 124
2-Methylnaphthalene - RE	ND	H	1.01	0.768	H	ug/L		76	20 - 133
Acenaphthene - RE	ND	H	1.01	1.04	H	ug/L		102	42 - 120
Acenaphthylene - RE	ND	H	1.01	0.974	H	ug/L		96	49 - 120
Anthracene - RE	ND	H	1.01	0.983	H	ug/L		97	54 - 121

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

Lab Sample ID: 410-115936-1 MS
Matrix: Water
Analysis Batch: 348434

Client Sample ID: FBS010-MS_022023
Prep Type: Total/NA
Prep Batch: 348351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene - RE	ND	H	1.01	0.957	H	ug/L		94	61 - 122
Benzo[a]pyrene - RE	ND	H	1.01	1.06	H	ug/L		105	60 - 120
Benzo[b]fluoranthene - RE	ND	H	1.01	1.03	H	ug/L		102	58 - 122
Benzo[g,h,i]perylene - RE	ND	H	1.01	0.980	H	ug/L		97	50 - 120
Benzo[k]fluoranthene - RE	ND	H	1.01	1.12	H	ug/L		110	57 - 128
Bis(2-chloroethyl)ether - RE	ND	H	1.01	1.03	H	ug/L		102	59 - 130
Bis(2-ethylhexyl) phthalate - RE	1.4	H B *+ *1	1.01	2.38	H	ug/L		101	14 - 155
Butylbenzylphthalate - RE	ND	H	1.01	0.827	J H	ug/L		82	10 - 120
Chrysene - RE	ND	H	1.01	0.982	H	ug/L		97	55 - 123
Dibenz(a,h)anthracene - RE	ND	H	1.01	0.938	H	ug/L		93	50 - 121
Dibenzofuran - RE	ND	H	1.01	0.953	H	ug/L		94	48 - 124
Diethylphthalate - RE	ND	H	1.01	1.15	H	ug/L		113	38 - 120
Dimethylphthalate - RE	ND	H	1.01	1.04	H	ug/L		103	10 - 121
Di-n-butyl phthalate - RE	0.98	J H B *+ *1 F1 F2	1.01	3.75	H F1	ug/L		273	46 - 125
Di-n-octyl phthalate - RE	ND	H	1.01	0.883	J H	ug/L		87	22 - 130
Fluoranthene - RE	ND	H	1.01	0.928	H	ug/L		92	61 - 123
Fluorene - RE	ND	H	1.01	0.956	H	ug/L		94	55 - 120
Hexachlorobenzene - RE	ND	H	1.01	0.950	H	ug/L		94	20 - 120
Indeno[1,2,3-cd]pyrene - RE	ND	H	1.01	0.942	H	ug/L		93	47 - 143
Naphthalene - RE	ND	H	1.01	0.935	H	ug/L		92	20 - 120
N-Nitrosodimethylamine - RE	ND	H	1.01	0.851	H	ug/L		84	37 - 120
Phenanthrene - RE	ND	H	1.01	1.04	H	ug/L		103	59 - 120
Pyrene - RE	ND	H	1.01	0.989	H	ug/L		98	46 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr) - RE	*82*		*36 - 111*
Benzo(a)pyrene-d12 (Surr) - RE	*99*		*10 - 110*
Fluoranthene-d10 (Surr) - RE	*96*		*47 - 128*

Lab Sample ID: 410-115936-1 MSD
Matrix: Water
Analysis Batch: 348434

Client Sample ID: FBS010-MSD_022023
Prep Type: Total/NA
Prep Batch: 348351

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	1.01	0.423	H	ug/L		42	23 - 120	29	30
1-Methylnaphthalene - RE	ND	H	1.01	0.758	H	ug/L		75	23 - 124	8	30
2-Methylnaphthalene - RE	ND	H	1.01	0.699	H	ug/L		69	20 - 133	9	30
Acenaphthene - RE	ND	H	1.01	0.925	H	ug/L		92	42 - 120	11	30
Acenaphthylene - RE	ND	H	1.01	0.889	H	ug/L		88	49 - 120	9	30
Anthracene - RE	ND	H	1.01	0.973	H	ug/L		97	54 - 121	1	30
Benzo[a]anthracene - RE	ND	H	1.01	0.919	H	ug/L		91	61 - 122	4	30
Benzo[a]pyrene - RE	ND	H	1.01	0.996	H	ug/L		99	60 - 120	6	30
Benzo[b]fluoranthene - RE	ND	H	1.01	0.893	H	ug/L		89	58 - 122	14	30
Benzo[g,h,i]perylene - RE	ND	H	1.01	0.864	H	ug/L		86	50 - 120	13	30
Benzo[k]fluoranthene - RE	ND	H	1.01	1.11	H	ug/L		110	57 - 128	1	30
Bis(2-chloroethyl)ether - RE	ND	H	1.01	0.928	H	ug/L		92	59 - 130	11	30
Bis(2-ethylhexyl) phthalate - RE	1.4	H B *+ *1	1.01	2.52	H	ug/L		115	14 - 155	6	30

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

Lab Sample ID: 410-115936-1 MSD
Matrix: Water
Analysis Batch: 348434

Client Sample ID: FBS010-MSD_022023
Prep Type: Total/NA
Prep Batch: 348351

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Butylbenzylphthalate - RE	ND	H	1.01	0.790	J H	ug/L		79	10 - 120	5	30
Chrysene - RE	ND	H	1.01	0.930	H	ug/L		92	55 - 123	5	30
Dibenz(a,h)anthracene - RE	ND	H	1.01	0.895	H	ug/L		89	50 - 121	5	30
Dibenzofuran - RE	ND	H	1.01	0.855	H	ug/L		85	48 - 124	11	30
Diethylphthalate - RE	ND	H	1.01	1.10	H	ug/L		109	38 - 120	4	30
Dimethylphthalate - RE	ND	H	1.01	0.948	J H	ug/L		94	10 - 121	9	30
Di-n-butyl phthalate - RE	0.98	J H B *+ *1 F1 F2	1.01	1.93	H F2	ug/L		94	46 - 125	64	30
Di-n-octyl phthalate - RE	ND	H	1.01	0.920	J H	ug/L		91	22 - 130	4	30
Fluoranthene - RE	ND	H	1.01	0.920	H	ug/L		91	61 - 123	1	30
Fluorene - RE	ND	H	1.01	0.897	H	ug/L		89	55 - 120	6	30
Hexachlorobenzene - RE	ND	H	1.01	0.890	H	ug/L		88	20 - 120	7	30
Indeno[1,2,3-cd]pyrene - RE	ND	H	1.01	0.855	H	ug/L		85	47 - 143	10	30
Naphthalene - RE	ND	H	1.01	0.806	H	ug/L		80	20 - 120	15	30
N-Nitrosodimethylamine - RE	ND	H	1.01	0.718	H	ug/L		71	37 - 120	17	30
Phenanthrene - RE	ND	H	1.01	1.02	H	ug/L		101	59 - 120	2	30
Pyrene - RE	ND	H	1.01	0.942	H	ug/L		94	46 - 122	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr) - RE	*75*		*36 - 111*
Benzo(a)pyrene-d12 (Surr) - RE	*96*		*10 - 110*
Fluoranthene-d10 (Surr) - RE	*93*		*47 - 128*

GC/MS VOA

Analysis Batch: 349446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1	FBS010_022023	Total/NA	Water	8260C	
410-115936-2	Dup-01_022023	Total/NA	Water	8260C	
410-115936-3	FBW001_022023	Total/NA	Water	8260C	
410-115936-4	FB-01_022023	Total/NA	Water	8260C	
410-115936-5	Trip Blank_022023	Total/NA	Water	8260C	
MB 410-349446/9	Method Blank	Total/NA	Water	8260C	
LCS 410-349446/5	Lab Control Sample	Total/NA	Water	8260C	
410-115936-1 MS	FBS010-MS_022023	Total/NA	Water	8260C	
410-115936-1 MSD	FBS010-MSD_022023	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 347487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1	FBS010_022023	Total/NA	Water	3510C	
410-115936-2	Dup-01_022023	Total/NA	Water	3510C	
410-115936-3	FBW001_022023	Total/NA	Water	3510C	
410-115936-4	FB-01_022023	Total/NA	Water	3510C	
MB 410-347487/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-347487/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-347487/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-115936-1 MS	FBS010-MS_022023	Total/NA	Water	3510C	
410-115936-1 MSD	FBS010-MSD_022023	Total/NA	Water	3510C	

Prep Batch: 347489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1	FBS010_022023	Total/NA	Water	3510C	
410-115936-2	Dup-01_022023	Total/NA	Water	3510C	
410-115936-3	FBW001_022023	Total/NA	Water	3510C	
410-115936-4	FB-01_022023	Total/NA	Water	3510C	
MB 410-347489/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-347489/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-347489/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-115936-1 MS	FBS010-MS_022023	Total/NA	Water	3510C	
410-115936-1 MSD	FBS010-MSD_022023	Total/NA	Water	3510C	

Analysis Batch: 347567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1	FBS010_022023	Total/NA	Water	8270D	347489
410-115936-2	Dup-01_022023	Total/NA	Water	8270D	347489
410-115936-3	FBW001_022023	Total/NA	Water	8270D	347489
410-115936-4	FB-01_022023	Total/NA	Water	8270D	347489
MB 410-347489/1-A	Method Blank	Total/NA	Water	8270D	347489
LCS 410-347489/2-A	Lab Control Sample	Total/NA	Water	8270D	347489
LCSD 410-347489/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	347489
410-115936-1 MS	FBS010-MS_022023	Total/NA	Water	8270D	347489
410-115936-1 MSD	FBS010-MSD_022023	Total/NA	Water	8270D	347489

Analysis Batch: 347593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1	FBS010_022023	Total/NA	Water	8270D SIM	347487

GC/MS Semi VOA (Continued)

Analysis Batch: 347593 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-2	Dup-01_022023	Total/NA	Water	8270D SIM	347487
410-115936-3	FBW001_022023	Total/NA	Water	8270D SIM	347487
410-115936-4	FB-01_022023	Total/NA	Water	8270D SIM	347487
MB 410-347487/1-A	Method Blank	Total/NA	Water	8270D SIM	347487
LCS 410-347487/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	347487
LCSD 410-347487/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	347487
410-115936-1 MS	FBS010-MS_022023	Total/NA	Water	8270D SIM	347487
410-115936-1 MSD	FBS010-MSD_022023	Total/NA	Water	8270D SIM	347487

Prep Batch: 348351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1 - RE	FBS010_022023	Total/NA	Water	3510C	
410-115936-2 - RE	Dup-01_022023	Total/NA	Water	3510C	
410-115936-3 - RE	FBW001_022023	Total/NA	Water	3510C	
410-115936-4 - RE	FB-01_022023	Total/NA	Water	3510C	
MB 410-348351/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-348351/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-348351/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-115936-1 MS - RE	FBS010-MS_022023	Total/NA	Water	3510C	
410-115936-1 MSD - RE	FBS010-MSD_022023	Total/NA	Water	3510C	

Analysis Batch: 348434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1 - RE	FBS010_022023	Total/NA	Water	8270D SIM	348351
410-115936-2 - RE	Dup-01_022023	Total/NA	Water	8270D SIM	348351
410-115936-3 - RE	FBW001_022023	Total/NA	Water	8270D SIM	348351
410-115936-4 - RE	FB-01_022023	Total/NA	Water	8270D SIM	348351
MB 410-348351/1-A	Method Blank	Total/NA	Water	8270D SIM	348351
LCS 410-348351/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	348351
LCSD 410-348351/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	348351
410-115936-1 MS - RE	FBS010-MS_022023	Total/NA	Water	8270D SIM	348351
410-115936-1 MSD - RE	FBS010-MSD_022023	Total/NA	Water	8270D SIM	348351

Client Sample ID: FBS010_022023

Lab Sample ID: 410-115936-1

Date Collected: 02/16/23 11:11

Matrix: Water

Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349446	TQ4J	ELLE	03/02/23 14:44
Total/NA	Prep	3510C			347489	QJZ6	ELLE	02/23/23 16:29
Total/NA	Analysis	8270D		1	347567	W6XI	ELLE	02/24/23 01:01
Total/NA	Prep	3510C			347487	QJZ6	ELLE	02/23/23 16:24
Total/NA	Analysis	8270D SIM		1	347593	SJ89	ELLE	02/24/23 06:22
Total/NA	Prep	3510C	RE		348351	QJZ6	ELLE	02/27/23 16:02
Total/NA	Analysis	8270D SIM	RE	1	348434	SJ89	ELLE	02/28/23 05:22

Client Sample ID: Dup-01_022023

Lab Sample ID: 410-115936-2

Date Collected: 02/16/23 12:00

Matrix: Water

Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349446	TQ4J	ELLE	03/02/23 16:33
Total/NA	Prep	3510C			347489	QJZ6	ELLE	02/23/23 16:29
Total/NA	Analysis	8270D		1	347567	W6XI	ELLE	02/24/23 05:05
Total/NA	Prep	3510C			347487	QJZ6	ELLE	02/23/23 16:24
Total/NA	Analysis	8270D SIM		1	347593	SJ89	ELLE	02/24/23 07:26
Total/NA	Prep	3510C	RE		348351	QJZ6	ELLE	02/27/23 16:02
Total/NA	Analysis	8270D SIM	RE	1	348434	SJ89	ELLE	02/28/23 07:33

Client Sample ID: FBW001_022023

Lab Sample ID: 410-115936-3

Date Collected: 02/16/23 10:57

Matrix: Water

Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349446	TQ4J	ELLE	03/02/23 16:55
Total/NA	Prep	3510C			347489	QJZ6	ELLE	02/23/23 16:29
Total/NA	Analysis	8270D		1	347567	W6XI	ELLE	02/24/23 06:47
Total/NA	Prep	3510C			347487	QJZ6	ELLE	02/23/23 16:24
Total/NA	Analysis	8270D SIM		1	347593	SJ89	ELLE	02/24/23 07:47
Total/NA	Prep	3510C	RE		348351	QJZ6	ELLE	02/27/23 16:02
Total/NA	Analysis	8270D SIM	RE	1	348434	SJ89	ELLE	02/28/23 07:55

Client Sample ID: FB-01_022023

Lab Sample ID: 410-115936-4

Date Collected: 02/16/23 10:57

Matrix: Water

Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349446	TQ4J	ELLE	03/02/23 13:15
Total/NA	Prep	3510C			347489	QJZ6	ELLE	02/23/23 16:29
Total/NA	Analysis	8270D		1	347567	W6XI	ELLE	02/24/23 05:26
Total/NA	Prep	3510C			347487	QJZ6	ELLE	02/23/23 16:24
Total/NA	Analysis	8270D SIM		1	347593	SJ89	ELLE	02/24/23 08:08

Lab Chronicle

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

Job ID: 410-115936-1

Client Sample ID: FB-01_022023

Lab Sample ID: 410-115936-4

Date Collected: 02/16/23 10:57
Matrix: Water
Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C	RE		348351	QJZ6	ELLE	02/27/23 16:02
Total/NA	Analysis	8270D SIM	RE	1	348434	SJ89	ELLE	02/28/23 08:17

Client Sample ID: Trip Blank_022023

Lab Sample ID: 410-115936-5

Date Collected: 02/16/23 00:00
Matrix: Water
Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349446	TQ4J	ELLE	03/02/23 13:38

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: 410-115936-1

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: 410-115936-1

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: 410-115936-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-115936-1	FBS010_022023	Water	02/16/23 11:11	02/17/23 09:40
410-115936-2	Dup-01_022023	Water	02/16/23 12:00	02/17/23 09:40
410-115936-3	FBW001_022023	Water	02/16/23 10:57	02/17/23 09:40
410-115936-4	FB-01_022023	Water	02/16/23 10:57	02/17/23 09:40
410-115936-5	Trip Blank_022023	Water	02/16/23 00:00	02/17/23 09:40

410-115936 Chain of Custody

onme

Chain of Custody Record

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Client Contact: ~~Kay Kincannon~~ Ryley Howard	Sampler: Ryley Howard	Lab PM: Brown, Nicole	Carrier Tracking No(s): 8170845720 36	COC No: 410-80957-14132.1
Company: Environmental Works, Inc	Phone: 417-890-9500	E-Mail: Nicole.Brown@et.eurofinsus.com	State of Origin: MO	Page: Page 1 of 1
Address: 1455 East Chestnut Expressway	PWSID:			Job #:
City: Springfield	Due Date Requested:			
State, Zip: MO, 65802	TAT Requested (days): Standard			
Phone: 406-457-2142(Tel)	Compliance Project: Δ Yes Δ No			
Email: rrhoward ~~kkincannon~~@environmentalworks com	PO #: SPRINGFIELD, MO			
Project Name: Springfield, MO – OFIWP	WO #:			
Site:	Project #: 41006923			
	SSOW#:			

Analysis 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)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - Springfield, MO - 8260C TCL4.3 + TMB	8270D & 8270D_SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
FBS010_022023	02/16/23	1111	G	Water			3	4	7	
Dup-01_022023	02/16/23	1200	G	Water			3	4	7	
FBW001_022023	02/16/23	1057	G	Water			3	4	7	
FBS010-MS_022023	02/16/23	1111	G	Water		Y	3	4	7	
FBS010-MSD_022023	02/16/23	1111	G	Water		Y	3	4	7	
FB-01_022023	02/16/23	1057	G	Water			3	4	7	
				~~Water~~						
Trip Blank – 022023	1 – Lab prep			Water			2		2	

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) II + IV

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 02-09-23 1238	Company	Received by: / Date/Time: / Company
Relinquished by:	Date/Time: 02/16/23 @1300	Company EWI	Received by: / Date/Time: / Company
Relinquished by:	Date/Time:	Company	Received by: / Date/Time: 02/17/23 0940 / Company MRA

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

Cooler Temperature(s) °C and Other Remarks: 1.1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Environmental Works, Inc.

Job Number: 410-115936-1

Login Number: 115936
List Number: 1
Creator: McBeth, Jessica

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.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ryley Howard
Environmental Works, Inc.
1455 East Chestnut Expressway
Springfield MO 65802

Generated 3/2/2023 11:49 PM

JOB DESCRIPTION

Springfield, MO – OFIWP

JOB NUMBER

410-115936-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

myEOL

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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.

Authorization

Generated
3/2/2023 11:49 PM

Authorized for release by
Nicole Brown, Project Manager
Nicole.Brown@et.eurofinsus.com
717 471-3265

Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

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.

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.

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery 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
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
410-115936-1

Receipt
The samples were received on 2/17/2023 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

Receipt Exceptions
2 40ml HCl vials for the following sample was received broken. FBS010_022023 (410-115936-1).

GC/MS VOA
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: Internal standard (ISTD) response for Perylene-d12 in the following samples was outside of acceptance limits: FBS010_022023 (410-115936-1), FBW001_022023 (410-115936-3) and FB-01_022023 (410-115936-4). None of the compounds reported in the sample are associated with this ISTD; therefore, the data is reported.

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-347593 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate and N-Nitrosodimethylamine. 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 method detection limit (MDL) in the method blank associated with preparation batch 410-347487 and analytical batch 410-347593 as well as in the following samples: FBS010_022023 (410-115936-1), Dup-01_022023 (410-115936-2), FBW001_022023 (410-115936-3) and FB-01_022023 (410-115936-4). 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) and laboratory control sample duplicate (LCSD) for preparation batch 410-347487 and analytical batch 410-347593 recovered outside control limits for the following analytes: 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.
Job ID: 410-115936-1
Project/Site: Springfield, MO – OFIWP

Client Sample ID: FBS010_022023
Lab Sample ID: 410-115936-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.26	J B *+ cn	1.0	0.050	ug/L	1		8270D SIM	Total/NA

Client Sample ID: Dup-01_022023
Lab Sample ID: 410-115936-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.037	J	0.050	0.020	ug/L	1		8270D SIM	Total/NA
2-Methylnaphthalene	0.064		0.050	0.020	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate	0.21	J B *+ cn	1.0	0.050	ug/L	1		8270D SIM	Total/NA

Client Sample ID: FBW001_022023
Lab Sample ID: 410-115936-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenzofuran	0.016	J	0.051	0.010	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate	0.21	J B *+ cn	1.0	0.051	ug/L	1		8270D SIM	Total/NA
Fluorene	0.014	J	0.051	0.010	ug/L	1		8270D SIM	Total/NA

Client Sample ID: FB-01_022023
Lab Sample ID: 410-115936-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.4		1.0	0.30	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.32	J B *+ cn	1.0	0.051	ug/L	1		8270D SIM	Total/NA

Client Sample ID: Trip Blank_022023
Lab Sample ID: 410-115936-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: FBS010_022023

Lab Sample ID: 410-115936-1

Date Collected: 02/16/23 11:11

Matrix: Water

Date Received: 02/17/23 09:40

Method: SW846 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			03/02/23 14:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 14:44	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 14:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 14:44	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 14:44	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 14:44	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 14:44	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 14:44	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 14:44	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 14:44	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 14:44	1
Acetone	ND		20	0.70	ug/L			03/02/23 14:44	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 14:44	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 14:44	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Chloroform	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 14:44	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 14:44	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 14:44	1
Freon 113	ND		10	0.30	ug/L			03/02/23 14:44	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 14:44	1
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 14:44	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 14:44	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 14:44	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 14:44	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 14:44	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 14:44	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 14:44	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/02/23 14:44	1

Client Sample ID: FBS010_022023 Lab Sample ID: 410-115936-1

Date Collected: 02/16/23 11:11 **Matrix: Water**
Date Received: 02/17/23 09:40

Method: SW846 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			03/02/23 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*03/02/23 14:44*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/02/23 14:44*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*03/02/23 14:44*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/02/23 14:44*	*1*

Method: SW846 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		02/23/23 16:24	02/24/23 06:22	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Acenaphthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Acenaphthylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Bis(2-chloroethyl)ether	ND	F1	0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Chrysene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Dibenzofuran	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Diethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Dimethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Di-n-butyl phthalate	**0.26**	**J B *+ cn**	1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 06:22	1
Fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Fluorene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Naphthalene	ND		0.070	0.030	ug/L		02/23/23 16:24	02/24/23 06:22	1
N-Nitrosodimethylamine	ND	cn	0.050	0.020	ug/L		02/23/23 16:24	02/24/23 06:22	1
Phenanthrene	ND		0.070	0.030	ug/L		02/23/23 16:24	02/24/23 06:22	1
Pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*81*		*36 - 111*	*02/23/23 16:24*	*02/24/23 06:22*	*1*
Benzo(a)pyrene-d12 (Surr)	*79*		*10 - 110*	*02/23/23 16:24*	*02/24/23 06:22*	*1*
Fluoranthene-d10 (Surr)	*77*		*47 - 128*	*02/23/23 16:24*	*02/24/23 06:22*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	cn	10	3	ug/L		02/23/23 16:29	02/24/23 01:01	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		02/23/23 16:29	02/24/23 01:01	1
2-Chlorophenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 01:01	1

Client Sample ID: FBS010_022023 — Lab Sample ID: 410-115936-1

Date Collected: 02/16/23 11:11 — **Matrix: Water**
Date Received: 02/17/23 09:40

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 01:01	1
Phenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*	*cn*	*10 - 150*	*02/23/23 16:29*	*02/24/23 01:01*	*1*
2-Fluorobiphenyl (Surr)	*81*	*cn*	*44 - 120*	*02/23/23 16:29*	*02/24/23 01:01*	*1*
2-Fluorophenol (Surr)	*39*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 01:01*	*1*
Nitrobenzene-d5 (Surr)	*71*	*cn*	*25 - 125*	*02/23/23 16:29*	*02/24/23 01:01*	*1*
Phenol-d5 (Surr)	*26*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 01:01*	*1*
p-Terphenyl-d14 (Surr)	*72*	*cn*	*37 - 120*	*02/23/23 16:29*	*02/24/23 01:01*	*1*

Client Sample ID: Dup-01_022023 — Lab Sample ID: 410-115936-2

Date Collected: 02/16/23 12:00 — **Matrix: Water**
Date Received: 02/17/23 09:40

Method: SW846 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			03/02/23 16:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 16:33	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 16:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 16:33	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 16:33	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 16:33	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 16:33	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 16:33	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 16:33	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 16:33	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 16:33	1
Acetone	ND		20	0.70	ug/L			03/02/23 16:33	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 16:33	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 16:33	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Chloroform	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 16:33	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 16:33	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1

Client Sample ID: Dup-01_022023 — Lab Sample ID: 410-115936-2

Date Collected: 02/16/23 12:00 **Matrix: Water**
Date Received: 02/17/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 16:33	1
Freon 113	ND		10	0.30	ug/L			03/02/23 16:33	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 16:33	1
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 16:33	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 16:33	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 16:33	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 16:33	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 16:33	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:33	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/02/23 16:33	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/02/23 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*03/02/23 16:33*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/02/23 16:33*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/02/23 16:33*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/02/23 16:33*	*1*

Method: SW846 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		02/23/23 16:24	02/24/23 07:26	1
1-Methylnaphthalene	**0.037**	**J**	0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
2-Methylnaphthalene	**0.064**		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
Acenaphthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Acenaphthylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Chrysene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
Dibenzofuran	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Diethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Dimethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Di-n-butyl phthalate	**0.21**	**J B *+ cn**	1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 07:26	1
Fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Fluorene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1

Client Sample ID: Dup-01_022023 — Lab Sample ID: 410-115936-2

Date Collected: 02/16/23 12:00 — **Matrix: Water**
Date Received: 02/17/23 09:40

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
Naphthalene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 07:26	1
N-Nitrosodimethylamine	ND	cn	0.050	0.020	ug/L		02/23/23 16:24	02/24/23 07:26	1
Phenanthrene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 07:26	1
Pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 07:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*80*		*36 - 111*	*02/23/23 16:24*	*02/24/23 07:26*	*1*
Benzo(a)pyrene-d12 (Surr)	*75*		*10 - 110*	*02/23/23 16:24*	*02/24/23 07:26*	*1*
Fluoranthene-d10 (Surr)	*78*		*47 - 128*	*02/23/23 16:24*	*02/24/23 07:26*	*1*

Method: SW846 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		02/23/23 16:29	02/24/23 05:05	1
2,4-Dinitrophenol	ND		30	10	ug/L		02/23/23 16:29	02/24/23 05:05	1
2-Chlorophenol	ND		2	0.5	ug/L		02/23/23 16:29	02/24/23 05:05	1
Carbazole	ND		2	0.5	ug/L		02/23/23 16:29	02/24/23 05:05	1
Phenol	ND		2	0.5	ug/L		02/23/23 16:29	02/24/23 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*10 - 150*	*02/23/23 16:29*	*02/24/23 05:05*	*1*
2-Fluorobiphenyl (Surr)	*82*		*44 - 120*	*02/23/23 16:29*	*02/24/23 05:05*	*1*
2-Fluorophenol (Surr)	*40*		*10 - 120*	*02/23/23 16:29*	*02/24/23 05:05*	*1*
Nitrobenzene-d5 (Surr)	*75*		*25 - 125*	*02/23/23 16:29*	*02/24/23 05:05*	*1*
Phenol-d5 (Surr)	*27*		*10 - 120*	*02/23/23 16:29*	*02/24/23 05:05*	*1*
p-Terphenyl-d14 (Surr)	*83*		*37 - 120*	*02/23/23 16:29*	*02/24/23 05:05*	*1*

Client Sample ID: FBW001_022023 — Lab Sample ID: 410-115936-3

Date Collected: 02/16/23 10:57 — **Matrix: Water**
Date Received: 02/17/23 09:40

Method: SW846 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			03/02/23 16:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 16:55	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 16:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 16:55	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 16:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 16:55	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 16:55	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 16:55	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 16:55	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 16:55	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 16:55	1

Client Sample ID: FBW001_022023 — Lab Sample ID: 410-115936-3

Date Collected: 02/16/23 10:57 — **Matrix: Water**
Date Received: 02/17/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	0.70	ug/L			03/02/23 16:55	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 16:55	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 16:55	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Chloroform	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 16:55	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 16:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 16:55	1
Freon 113	ND		10	0.30	ug/L			03/02/23 16:55	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 16:55	1
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 16:55	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 16:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 16:55	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 16:55	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 16:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 16:55	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/02/23 16:55	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/02/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*03/02/23 16:55*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/02/23 16:55*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/02/23 16:55*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/02/23 16:55*	*1*

Method: SW846 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		02/23/23 16:24	02/24/23 07:47	1
1-Methylnaphthalene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
2-Methylnaphthalene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Acenaphthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Acenaphthylene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Anthracene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Benzo[a]anthracene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Benzo[a]pyrene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Benzo[b]fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1

Client Sample ID: FBW001_022023 — Lab Sample ID: 410-115936-3

Date Collected: 02/16/23 10:57 — **Matrix: Water**
Date Received: 02/17/23 09:40

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Benzo[k]fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Bis(2-chloroethyl)ether	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Butylbenzylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Chrysene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Dibenz(a,h)anthracene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Dibenzofuran	**0.016**	**J**	0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Diethylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Dimethylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Di-n-butyl phthalate	**0.21**	**J B *+ cn**	1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Di-n-octyl phthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 07:47	1
Fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Fluorene	**0.014**	**J**	0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1
Hexachlorobenzene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Naphthalene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 07:47	1
N-Nitrosodimethylamine	ND	cn	0.051	0.020	ug/L		02/23/23 16:24	02/24/23 07:47	1
Phenanthrene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 07:47	1
Pyrene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 07:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*90*		*36 - 111*	*02/23/23 16:24*	*02/24/23 07:47*	*1*
Benzo(a)pyrene-d12 (Surr)	*84*		*10 - 110*	*02/23/23 16:24*	*02/24/23 07:47*	*1*
Fluoranthene-d10 (Surr)	*90*		*47 - 128*	*02/23/23 16:24*	*02/24/23 07:47*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	cn	10	3	ug/L		02/23/23 16:29	02/24/23 06:47	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		02/23/23 16:29	02/24/23 06:47	1
2-Chlorophenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 06:47	1
Carbazole	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 06:47	1
Phenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*	*cn*	*10 - 150*	*02/23/23 16:29*	*02/24/23 06:47*	*1*
2-Fluorobiphenyl (Surr)	*85*	*cn*	*44 - 120*	*02/23/23 16:29*	*02/24/23 06:47*	*1*
2-Fluorophenol (Surr)	*43*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 06:47*	*1*
Nitrobenzene-d5 (Surr)	*73*	*cn*	*25 - 125*	*02/23/23 16:29*	*02/24/23 06:47*	*1*
Phenol-d5 (Surr)	*28*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 06:47*	*1*
p-Terphenyl-d14 (Surr)	*85*	*cn*	*37 - 120*	*02/23/23 16:29*	*02/24/23 06:47*	*1*

Client Sample ID: FB-01_022023 — Lab Sample ID: 410-115936-4

Date Collected: 02/16/23 10:57 — **Matrix: Water**
Date Received: 02/17/23 09:40

Method: SW846 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			03/02/23 13:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 13:15	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 13:15	1

Client Sample ID: FB-01_022023 — Lab Sample ID: 410-115936-4

Date Collected: 02/16/23 10:57 — **Matrix: Water**
Date Received: 02/17/23 09:40

Method: SW846 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			03/02/23 13:15	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 13:15	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 13:15	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 13:15	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 13:15	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 13:15	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 13:15	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 13:15	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 13:15	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 13:15	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 13:15	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 13:15	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 13:15	1
Acetone	ND		20	0.70	ug/L			03/02/23 13:15	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 13:15	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 13:15	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Chloroform	**1.4**		1.0	0.30	ug/L			03/02/23 13:15	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 13:15	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 13:15	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 13:15	1
Freon 113	ND		10	0.30	ug/L			03/02/23 13:15	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 13:15	1
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 13:15	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 13:15	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 13:15	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 13:15	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 13:15	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:15	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/02/23 13:15	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/02/23 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/02/23 13:15*	*1*

Client Sample ID: FB-01_022023 — Lab Sample ID: 410-115936-4

Date Collected: 02/16/23 10:57 — **Matrix: Water**
Date Received: 02/17/23 09:40

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/02/23 13:15*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/02/23 13:15*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/02/23 13:15*	*1*

Method: SW846 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		02/23/23 16:24	02/24/23 08:08	1
1-Methylnaphthalene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
2-Methylnaphthalene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Acenaphthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Acenaphthylene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Anthracene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Benzo[a]anthracene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Benzo[a]pyrene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Benzo[b]fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Benzo[g,h,i]perylene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Benzo[k]fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Bis(2-chloroethyl)ether	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Butylbenzylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Chrysene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Dibenz(a,h)anthracene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Dibenzofuran	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Diethylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Dimethylphthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Di-n-butyl phthalate	**0.32**	**J B *+ cn**	1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Di-n-octyl phthalate	ND		1.0	0.051	ug/L		02/23/23 16:24	02/24/23 08:08	1
Fluoranthene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Fluorene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1
Hexachlorobenzene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Naphthalene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 08:08	1
N-Nitrosodimethylamine	ND	cn	0.051	0.020	ug/L		02/23/23 16:24	02/24/23 08:08	1
Phenanthrene	ND		0.071	0.030	ug/L		02/23/23 16:24	02/24/23 08:08	1
Pyrene	ND		0.051	0.010	ug/L		02/23/23 16:24	02/24/23 08:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene-d10 (Surr)	*60*		*36 - 111*	*02/23/23 16:24*	*02/24/23 08:08*	*1*
Benzo(a)pyrene-d12 (Surr)	*78*		*10 - 110*	*02/23/23 16:24*	*02/24/23 08:08*	*1*
Fluoranthene-d10 (Surr)	*75*		*47 - 128*	*02/23/23 16:24*	*02/24/23 08:08*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	cn	10	3	ug/L		02/23/23 16:29	02/24/23 05:26	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		02/23/23 16:29	02/24/23 05:26	1
2-Chlorophenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 05:26	1
Carbazole	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 05:26	1
Phenol	ND	cn	2	0.5	ug/L		02/23/23 16:29	02/24/23 05:26	1

Client Sample ID: FB-01_022023 — Lab Sample ID: 410-115936-4

Date Collected: 02/16/23 10:57 — **Matrix: Water**
Date Received: 02/17/23 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*	*cn*	*10 - 150*	*02/23/23 16:29*	*02/24/23 05:26*	*1*
2-Fluorobiphenyl (Surr)	*66*	*cn*	*44 - 120*	*02/23/23 16:29*	*02/24/23 05:26*	*1*
2-Fluorophenol (Surr)	*31*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 05:26*	*1*
Nitrobenzene-d5 (Surr)	*55*	*cn*	*25 - 125*	*02/23/23 16:29*	*02/24/23 05:26*	*1*
Phenol-d5 (Surr)	*20*	*cn*	*10 - 120*	*02/23/23 16:29*	*02/24/23 05:26*	*1*
p-Terphenyl-d14 (Surr)	*82*	*cn*	*37 - 120*	*02/23/23 16:29*	*02/24/23 05:26*	*1*

Client Sample ID: Trip Blank_022023 — Lab Sample ID: 410-115936-5

Date Collected: 02/16/23 00:00 — **Matrix: Water**
Date Received: 02/17/23 09:40

Method: SW846 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			03/02/23 13:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 13:38	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 13:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 13:38	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 13:38	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 13:38	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 13:38	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 13:38	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 13:38	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 13:38	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 13:38	1
Acetone	ND		20	0.70	ug/L			03/02/23 13:38	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 13:38	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 13:38	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Chloroform	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 13:38	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 13:38	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 13:38	1
Freon 113	ND		10	0.30	ug/L			03/02/23 13:38	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 13:38	1

Client: Environmental Works, Inc. Job ID: 410-115936-1
Project/Site: Springfield, MO – OFIWP

Client Sample ID: Trip Blank_022023 **Lab Sample ID: 410-115936-5**
Date Collected: 02/16/23 00:00 **Matrix: Water**
Date Received: 02/17/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 13:38	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 13:38	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 13:38	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 13:38	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 13:38	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 13:38	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/02/23 13:38	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/02/23 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*03/02/23 13:38*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/02/23 13:38*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/02/23 13:38*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/02/23 13:38*	*1*

Client Sample ID: FBS010_022023 Lab Sample ID: 410-115936-1

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	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	0.050	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.050	8270D SIM	Total/NA
Anthracene	ND		ug/L	9600	0.050	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.050	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.050	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.050	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.070	8270D SIM	Total/NA
Pyrene	ND		ug/L	960	0.050	8270D SIM	Total/NA
2,4-Dimethylphenol	ND	cn	ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND	cn	ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA

Client Sample ID: Dup-01_022023 Lab Sample ID: 410-115936-2

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	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	0.064		ug/L	36	0.050	8270D SIM	Total/NA
Acenaphthene	ND		ug/L	1200	0.050	8270D SIM	Total/NA
Anthracene	ND		ug/L	9600	0.050	8270D SIM	Total/NA
Benzo[a]anthracene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[a]pyrene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Chrysene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Dibenzofuran	ND		ug/L	7.9	0.050	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.050	8270D SIM	Total/NA
Fluorene	ND		ug/L	1300	0.050	8270D SIM	Total/NA

Client Sample ID: Dup-01_022023 (Continued) Lab Sample ID: 410-115936-2

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	Limit	RL	Method	Prep Type
Indeno[1,2,3-cd]pyrene	ND		ug/L	0.1	0.050	8270D SIM	Total/NA
Naphthalene	ND		ug/L	20	0.071	8270D SIM	Total/NA
Pyrene	ND		ug/L	960	0.050	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND		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_022023 Lab Sample ID: 410-115936-3

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	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	0.016	J	ug/L	7.9	0.051	8270D SIM	Total/NA
Fluoranthene	ND		ug/L	300	0.051	8270D SIM	Total/NA
Fluorene	0.014	J	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
2,4-Dimethylphenol	ND	cn	ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND	cn	ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND	cn	ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA

Client Sample ID: FB-01_022023 Lab Sample ID: 410-115936-4

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	Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA

Client Sample ID: FB-01_022023 (Continued) Lab Sample ID: 410-115936-4

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

Client Sample ID: Trip Blank_022023 Lab Sample ID: 410-115936-5

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	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

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. Job ID: 410-115936-1
Project/Site: Springfield, MO – OFIWP

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. Job ID: 410-115936-1
Project/Site: Springfield, MO – OFIWP

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)
410-115936-1	FBS010_022023	105	93	107	100
410-115936-1 MS	FBS010-MS_022023	101	97	103	102
410-115936-1 MSD	FBS010-MSD_022023	101	97	101	101
410-115936-2	Dup-01_022023	104	93	105	101
410-115936-3	FBW001_022023	105	92	106	101
410-115936-4	FB-01_022023	101	93	104	101
410-115936-5	Trip Blank_022023	102	92	105	100
LCS 410-349446/5	Lab Control Sample	104	98	101	101
MB 410-349446/9	Method Blank	103	94	103	101

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)
410-115936-1	FBS010_022023	71 cn	81 cn	39 cn	71 cn	26 cn	72 cn
410-115936-1 MS	FBS010-MS_022023	77	81	55	74	41	72
410-115936-1 MSD	FBS010-MSD_022023	86	90	57	83	44	93
410-115936-2	Dup-01_022023	76	82	40	75	27	83
410-115936-3	FBW001_022023	74 cn	85 cn	43 cn	73 cn	28 cn	85 cn
410-115936-4	FB-01_022023	69 cn	66 cn	31 cn	55 cn	20 cn	82 cn
LCS 410-347489/2-A	Lab Control Sample	80	81	48	77	36	82
LCSD 410-347489/3-A	Lab Control Sample Dup	81	79	53	77	40	90
MB 410-347489/1-A	Method Blank	72	80	38	75	26	85

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)
410-115936-1	FBS010_022023	81	79	77
410-115936-1 MS	FBS010-MS_022023	79	99	93
410-115936-1 MSD	FBS010-MSD_022023	99	95	95
410-115936-2	Dup-01_022023	80	75	78
410-115936-3	FBW001_022023	90	84	90

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)
410-115936-4	FB-01_022023	60	78	75
LCS 410-347487/2-A	Lab Control Sample	88	92	94
LCSD 410-347487/3-A	Lab Control Sample Dup	86	93	84
MB 410-347487/1-A	Method Blank	93	99	93

Surrogate Legend

MNPd10 = 1-Methylnaphthalene-d10 (Surr)

BAPd12 = Benzo(a)pyrene-d12 (Surr)

FLN10 = Fluoranthene-d10 (Surr)

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

Job ID: 410-115936-1

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

Lab Sample ID: MB 410-349446/9
Matrix: Water
Analysis Batch: 349446

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			03/02/23 12:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 12:19	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 12:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 12:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 12:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 12:19	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 12:19	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 12:19	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 12:19	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 12:19	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 12:19	1
Acetone	ND		20	0.70	ug/L			03/02/23 12:19	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 12:19	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 12:19	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Chloroform	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 12:19	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Cyclohexane	ND		5.0	1.0	ug/L			03/02/23 12:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 12:19	1
Freon 113	ND		10	0.30	ug/L			03/02/23 12:19	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 12:19	1
Methyl acetate	ND		5.0	0.30	ug/L			03/02/23 12:19	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Methylcyclohexane	ND		5.0	0.50	ug/L			03/02/23 12:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 12:19	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 12:19	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 12:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 12:19	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 12:19	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 12:19	1

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

Lab Sample ID: MB 410-349446/9
Matrix: Water
Analysis Batch: 349446

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			03/02/23 12:19	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/02/23 12:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/02/23 12:19*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/02/23 12:19*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/02/23 12:19*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/02/23 12:19*	*1*

Lab Sample ID: LCS 410-349446/5
Matrix: Water
Analysis Batch: 349446

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	67 - 126
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	72 - 120
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	80 - 120
1,1-Dichloroethane	20.0	18.2		ug/L		91	80 - 120
1,1-Dichloroethene	20.0	18.2		ug/L		91	80 - 131
1,2,4-Trichlorobenzene	20.0	18.3		ug/L		91	63 - 120
1,2,4-Trimethylbenzene	20.0	18.8		ug/L		94	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.9		ug/L		85	47 - 131
1,2-Dibromoethane	20.0	19.3		ug/L		96	77 - 120
1,2-Dichlorobenzene	20.0	18.1		ug/L		91	80 - 120
1,2-Dichloroethane	20.0	18.3		ug/L		92	73 - 124
1,2-Dichloropropane	20.0	18.7		ug/L		93	80 - 120
1,3,5-Trimethylbenzene	20.0	18.9		ug/L		95	75 - 120
1,3-Dichlorobenzene	20.0	18.6		ug/L		93	80 - 120
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120
2-Butanone	250	231		ug/L		92	59 - 135
2-Hexanone	250	251		ug/L		100	56 - 135
4-Methyl-2-pentanone	250	246		ug/L		98	62 - 133
Acetone	250	244		ug/L		97	54 - 157
Benzene	20.0	19.0		ug/L		95	80 - 120
Bromodichloromethane	20.0	18.6		ug/L		93	71 - 120
Bromoform	20.0	18.6		ug/L		93	51 - 120
Bromomethane	20.0	14.5		ug/L		73	53 - 128
Carbon disulfide	20.0	17.0		ug/L		85	65 - 128
Carbon tetrachloride	20.0	18.4		ug/L		92	64 - 134
Chlorobenzene	20.0	18.5		ug/L		93	80 - 120
Chloroethane	20.0	16.2		ug/L		81	55 - 123
Chloroform	20.0	18.4		ug/L		92	80 - 120
Chloromethane	20.0	13.6		ug/L		68	56 - 121
cis-1,2-Dichloroethene	20.0	19.7		ug/L		98	80 - 125
cis-1,3-Dichloropropene	20.0	18.1		ug/L		91	75 - 120
Cyclohexane	20.0	16.0		ug/L		80	68 - 126
Dibromochloromethane	20.0	18.8		ug/L		94	71 - 120
Dichlorodifluoromethane	20.0	11.2		ug/L		56	41 - 127

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

Lab Sample ID: LCS 410-349446/5
Matrix: Water
Analysis Batch: 349446

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	15.4		ug/L		77	73 - 139
Isopropylbenzene	20.0	18.9		ug/L		95	80 - 120
Methyl acetate	20.0	20.2		ug/L		101	54 - 136
Methyl tertiary butyl ether	20.0	17.0		ug/L		85	69 - 122
Methylcyclohexane	20.0	15.8		ug/L		79	67 - 121
Methylene Chloride	20.0	19.0		ug/L		95	80 - 120
Styrene	20.0	18.7		ug/L		93	80 - 120
Tetrachloroethene	20.0	18.5		ug/L		92	80 - 120
Toluene	20.0	18.8		ug/L		94	80 - 120
trans-1,2-Dichloroethene	20.0	18.3		ug/L		91	80 - 126
trans-1,3-Dichloropropene	20.0	18.4		ug/L		92	67 - 120
Trichloroethene	20.0	18.5		ug/L		92	80 - 120
Trichlorofluoromethane	20.0	12.4		ug/L		62	55 - 135
Vinyl chloride	20.0	13.6		ug/L		68	56 - 120
Xylenes, Total	60.0	55.7		ug/L		93	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 410-115936-1 MS
Matrix: Water
Analysis Batch: 349446

Client Sample ID: FBS010-MS_022023
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	20.1		ug/L		101	67 - 126
1,1,2,2-Tetrachloroethane	ND		20.0	19.6		ug/L		98	72 - 120
1,1,2-Trichloroethane	ND		20.0	19.3		ug/L		97	80 - 120
1,1-Dichloroethane	ND		20.0	19.4		ug/L		97	80 - 120
1,1-Dichloroethene	ND		20.0	20.2		ug/L		101	80 - 131
1,2,4-Trichlorobenzene	ND		20.0	18.7		ug/L		93	63 - 120
1,2,4-Trimethylbenzene	ND		20.0	19.9		ug/L		99	75 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	16.9		ug/L		84	47 - 131
1,2-Dibromoethane	ND		20.0	19.4		ug/L		97	77 - 120
1,2-Dichlorobenzene	ND		20.0	19.4		ug/L		97	80 - 120
1,2-Dichloroethane	ND		20.0	19.3		ug/L		97	73 - 124
1,2-Dichloropropane	ND		20.0	19.7		ug/L		99	80 - 120
1,3,5-Trimethylbenzene	ND		20.0	20.1		ug/L		101	75 - 120
1,3-Dichlorobenzene	ND		20.0	19.8		ug/L		99	80 - 120
1,4-Dichlorobenzene	ND		20.0	20.8		ug/L		104	80 - 120
2-Butanone	ND		250	231		ug/L		92	59 - 135
2-Hexanone	ND		250	251		ug/L		100	56 - 135
4-Methyl-2-pentanone	ND		250	247		ug/L		99	62 - 133
Acetone	ND		250	251		ug/L		101	54 - 157
Benzene	ND		20.0	20.4		ug/L		102	80 - 120

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

Lab Sample ID: 410-115936-1 MS **Client Sample ID: FBS010-MS_022023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 349446

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	ND		20.0	19.7		ug/L		99	71 - 120
Bromoform	ND		20.0	19.1		ug/L		96	51 - 120
Bromomethane	ND		20.0	16.1		ug/L		80	53 - 128
Carbon disulfide	ND		20.0	18.7		ug/L		93	65 - 128
Carbon tetrachloride	ND		20.0	20.3		ug/L		101	64 - 134
Chlorobenzene	ND		20.0	19.6		ug/L		98	80 - 120
Chloroethane	ND		20.0	17.5		ug/L		87	55 - 123
Chloroform	ND		20.0	19.9		ug/L		100	80 - 120
Chloromethane	ND		20.0	13.8		ug/L		69	56 - 121
cis-1,2-Dichloroethene	ND		20.0	20.7		ug/L		104	80 - 125
cis-1,3-Dichloropropene	ND		20.0	18.3		ug/L		91	75 - 120
Cyclohexane	ND		20.0	19.1		ug/L		95	68 - 126
Dibromochloromethane	ND		20.0	19.5		ug/L		98	71 - 120
Dichlorodifluoromethane	ND		20.0	14.4		ug/L		72	41 - 127
Ethylbenzene	ND		20.0	19.8		ug/L		99	80 - 120
Freon 113	ND		20.0	19.3		ug/L		96	73 - 139
Isopropylbenzene	ND		20.0	20.1		ug/L		100	80 - 120
Methyl acetate	ND		20.0	21.8		ug/L		109	54 - 136
Methyl tertiary butyl ether	ND		20.0	16.9		ug/L		85	69 - 122
Methylcyclohexane	ND		20.0	19.4		ug/L		97	67 - 121
Methylene Chloride	ND		20.0	19.9		ug/L		100	80 - 120
Styrene	ND		20.0	19.7		ug/L		98	80 - 120
Tetrachloroethene	ND		20.0	20.5		ug/L		102	80 - 120
Toluene	ND		20.0	19.9		ug/L		100	80 - 120
trans-1,2-Dichloroethene	ND		20.0	20.2		ug/L		101	80 - 126
trans-1,3-Dichloropropene	ND		20.0	18.6		ug/L		93	67 - 120
Trichloroethene	ND		20.0	20.1		ug/L		100	80 - 120
Trichlorofluoromethane	ND		20.0	14.3		ug/L		72	55 - 135
Vinyl chloride	ND		20.0	15.4		ug/L		77	56 - 120
Xylenes, Total	ND		60.0	58.8		ug/L		98	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 410-115936-1 MSD **Client Sample ID: FBS010-MSD_022023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 349446

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	20.2		ug/L		101	67 - 126	0	30
1,1,2,2-Tetrachloroethane	ND		20.0	19.5		ug/L		97	72 - 120	0	30
1,1,2-Trichloroethane	ND		20.0	19.2		ug/L		96	80 - 120	1	30
1,1-Dichloroethane	ND		20.0	19.6		ug/L		98	80 - 120	1	30
1,1-Dichloroethene	ND		20.0	20.2		ug/L		101	80 - 131	0	30
1,2,4-Trichlorobenzene	ND		20.0	19.4		ug/L		97	63 - 120	4	30

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

Lab Sample ID: 410-115936-1 MSD
Matrix: Water
Analysis Batch: 349446

Client Sample ID: FBS010-MSD_022023
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	ND		20.0	19.9		ug/L		99	75 - 120	0	30
1,2-Dibromo-3-Chloropropane	ND		20.0	17.1		ug/L		86	47 - 131	1	30
1,2-Dibromoethane	ND		20.0	19.9		ug/L		99	77 - 120	3	30
1,2-Dichlorobenzene	ND		20.0	19.4		ug/L		97	80 - 120	0	30
1,2-Dichloroethane	ND		20.0	18.9		ug/L		94	73 - 124	2	30
1,2-Dichloropropane	ND		20.0	19.8		ug/L		99	80 - 120	1	30
1,3,5-Trimethylbenzene	ND		20.0	20.3		ug/L		101	75 - 120	1	30
1,3-Dichlorobenzene	ND		20.0	19.7		ug/L		98	80 - 120	1	30
1,4-Dichlorobenzene	ND		20.0	20.5		ug/L		102	80 - 120	1	30
2-Butanone	ND		250	230		ug/L		92	59 - 135	1	30
2-Hexanone	ND		250	250		ug/L		100	56 - 135	0	30
4-Methyl-2-pentanone	ND		250	246		ug/L		99	62 - 133	0	30
Acetone	ND		250	246		ug/L		99	54 - 157	2	30
Benzene	ND		20.0	20.3		ug/L		101	80 - 120	0	30
Bromodichloromethane	ND		20.0	19.6		ug/L		98	71 - 120	1	30
Bromoform	ND		20.0	19.0		ug/L		95	51 - 120	1	30
Bromomethane	ND		20.0	16.6		ug/L		83	53 - 128	3	30
Carbon disulfide	ND		20.0	18.5		ug/L		92	65 - 128	1	30
Carbon tetrachloride	ND		20.0	20.6		ug/L		103	64 - 134	2	30
Chlorobenzene	ND		20.0	19.8		ug/L		99	80 - 120	1	30
Chloroethane	ND		20.0	18.0		ug/L		90	55 - 123	3	30
Chloroform	ND		20.0	19.5		ug/L		98	80 - 120	2	30
Chloromethane	ND		20.0	15.0		ug/L		75	56 - 121	9	30
cis-1,2-Dichloroethene	ND		20.0	20.8		ug/L		104	80 - 125	1	30
cis-1,3-Dichloropropene	ND		20.0	18.2		ug/L		91	75 - 120	0	30
Cyclohexane	ND		20.0	19.2		ug/L		96	68 - 126	1	30
Dibromochloromethane	ND		20.0	19.5		ug/L		97	71 - 120	0	30
Dichlorodifluoromethane	ND		20.0	14.7		ug/L		74	41 - 127	2	30
Ethylbenzene	ND		20.0	19.8		ug/L		99	80 - 120	0	30
Freon 113	ND		20.0	19.2		ug/L		96	73 - 139	0	30
Isopropylbenzene	ND		20.0	20.2		ug/L		101	80 - 120	1	30
Methyl acetate	ND		20.0	17.2		ug/L		86	54 - 136	23	30
Methyl tertiary butyl ether	ND		20.0	17.1		ug/L		85	69 - 122	1	30
Methylcyclohexane	ND		20.0	19.6		ug/L		98	67 - 121	1	30
Methylene Chloride	ND		20.0	19.6		ug/L		98	80 - 120	2	30
Styrene	ND		20.0	19.6		ug/L		98	80 - 120	1	30
Tetrachloroethene	ND		20.0	20.5		ug/L		102	80 - 120	0	30
Toluene	ND		20.0	20.0		ug/L		100	80 - 120	0	30
trans-1,2-Dichloroethene	ND		20.0	19.9		ug/L		99	80 - 126	1	30
trans-1,3-Dichloropropene	ND		20.0	18.6		ug/L		93	67 - 120	0	30
Trichloroethene	ND		20.0	20.0		ug/L		100	80 - 120	0	30
Trichlorofluoromethane	ND		20.0	14.8		ug/L		74	55 - 135	3	30
Vinyl chloride	ND		20.0	15.9		ug/L		80	56 - 120	3	30
Xylenes, Total	ND		60.0	58.8		ug/L		98	80 - 120	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

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

Lab Sample ID: 410-115936-1 MSD **Client Sample ID: FBS010-MSD_022023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 349446

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

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

Lab Sample ID: MB 410-347489/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 347567 **Prep Batch: 347489**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		02/23/23 16:29	02/23/23 23:19	1
2,4-Dinitrophenol	ND		30	10	ug/L		02/23/23 16:29	02/23/23 23:19	1
2-Chlorophenol	ND		2	0.5	ug/L		02/23/23 16:29	02/23/23 23:19	1
Carbazole	ND		2	0.5	ug/L		02/23/23 16:29	02/23/23 23:19	1
Phenol	ND		2	0.5	ug/L		02/23/23 16:29	02/23/23 23:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*72*		*10 - 150*	*02/23/23 16:29*	*02/23/23 23:19*	*1*
2-Fluorobiphenyl (Surr)	*80*		*44 - 120*	*02/23/23 16:29*	*02/23/23 23:19*	*1*
2-Fluorophenol (Surr)	*38*		*10 - 120*	*02/23/23 16:29*	*02/23/23 23:19*	*1*
Nitrobenzene-d5 (Surr)	*75*		*25 - 125*	*02/23/23 16:29*	*02/23/23 23:19*	*1*
Phenol-d5 (Surr)	*26*		*10 - 120*	*02/23/23 16:29*	*02/23/23 23:19*	*1*
p-Terphenyl-d14 (Surr)	*85*		*37 - 120*	*02/23/23 16:29*	*02/23/23 23:19*	*1*

Lab Sample ID: LCS 410-347489/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 347567 **Prep Batch: 347489**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	50.0	45		ug/L		90	62 - 120
2,4-Dinitrophenol	100	69		ug/L		69	43 - 146
2-Chlorophenol	50.0	41		ug/L		82	57 - 120
Carbazole	50.0	51		ug/L		102	74 - 120
Phenol	50.0	22		ug/L		44	22 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*
2-Fluorobiphenyl (Surr)	*81*		*44 - 120*
2-Fluorophenol (Surr)	*48*		*10 - 120*
Nitrobenzene-d5 (Surr)	*77*		*25 - 125*
Phenol-d5 (Surr)	*36*		*10 - 120*
p-Terphenyl-d14 (Surr)	*82*		*37 - 120*

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

Lab Sample ID: LCSD 410-347489/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 347567 — **Prep Batch: 347489**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			50.0	44		ug/L		89	62 - 120	1	30
2,4-Dinitrophenol			100	67		ug/L		67	43 - 146	3	30
2-Chlorophenol			50.0	40		ug/L		81	57 - 120	2	30
Carbazole			50.0	53		ug/L		105	74 - 120	4	30
Phenol			50.0	24		ug/L		48	22 - 120	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*
2-Fluorobiphenyl (Surr)	*79*		*44 - 120*
2-Fluorophenol (Surr)	*53*		*10 - 120*
Nitrobenzene-d5 (Surr)	*77*		*25 - 125*
Phenol-d5 (Surr)	*40*		*10 - 120*
p-Terphenyl-d14 (Surr)	*90*		*37 - 120*

Lab Sample ID: 410-115936-1 MS — **Client Sample ID: FBS010-MS_022023**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 347567 — **Prep Batch: 347489**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	ND	cn	50.5	45		ug/L		88	62 - 120
2,4-Dinitrophenol	ND	cn	101	53		ug/L		52	43 - 146
2-Chlorophenol	ND	cn	50.5	43		ug/L		85	57 - 120
Carbazole	ND	cn	50.5	51		ug/L		100	74 - 120
Phenol	ND	cn	50.5	26		ug/L		51	22 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*10 - 150*
2-Fluorobiphenyl (Surr)	*81*		*44 - 120*
2-Fluorophenol (Surr)	*55*		*10 - 120*
Nitrobenzene-d5 (Surr)	*74*		*25 - 125*
Phenol-d5 (Surr)	*41*		*10 - 120*
p-Terphenyl-d14 (Surr)	*72*		*37 - 120*

Lab Sample ID: 410-115936-1 MSD — **Client Sample ID: FBS010-MSD_022023**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 347567 — **Prep Batch: 347489**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol	ND	cn	50.7	52		ug/L		103	62 - 120	16	30
2,4-Dinitrophenol	ND	cn	101	55		ug/L		54	43 - 146	3	30
2-Chlorophenol	ND	cn	50.7	48		ug/L		95	57 - 120	12	30
Carbazole	ND	cn	50.7	58		ug/L		114	74 - 120	14	30
Phenol	ND	cn	50.7	28		ug/L		55	22 - 120	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*10 - 150*
2-Fluorobiphenyl (Surr)	*90*		*44 - 120*

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

Lab Sample ID: 410-115936-1 MSD **Client Sample ID: FBS010-MSD_022023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 347567 **Prep Batch: 347489**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorophenol (Surr)	57		10 - 120
Nitrobenzene-d5 (Surr)	83		25 - 125
Phenol-d5 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	93		37 - 120

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

Lab Sample ID: MB 410-347487/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 347593 **Prep Batch: 347487**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		02/23/23 16:24	02/24/23 05:18	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Acenaphthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Acenaphthylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Bis(2-ethylhexyl) phthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Chrysene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Dibenzofuran	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Diethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Dimethylphthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Di-n-butyl phthalate	0.202	J	1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		02/23/23 16:24	02/24/23 05:18	1
Fluoranthene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Fluorene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Naphthalene	ND		0.070	0.030	ug/L		02/23/23 16:24	02/24/23 05:18	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		02/23/23 16:24	02/24/23 05:18	1
Phenanthrene	ND		0.070	0.030	ug/L		02/23/23 16:24	02/24/23 05:18	1
Pyrene	ND		0.050	0.010	ug/L		02/23/23 16:24	02/24/23 05:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene-d10 (Surr)	93		36 - 111	02/23/23 16:24	02/24/23 05:18	1
Benzo(a)pyrene-d12 (Surr)	99		10 - 110	02/23/23 16:24	02/24/23 05:18	1
Fluoranthene-d10 (Surr)	93		47 - 128	02/23/23 16:24	02/24/23 05:18	1

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

Lab Sample ID: LCS 410-347487/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 347593 **Prep Batch: 347487**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.524		ug/L		52	23 - 120
1-Methylnaphthalene	1.00	0.751		ug/L		75	23 - 124
2-Methylnaphthalene	1.00	0.703		ug/L		70	20 - 133
Acenaphthene	1.00	0.895		ug/L		90	42 - 120
Acenaphthylene	1.00	0.805		ug/L		80	49 - 120
Anthracene	1.00	0.911		ug/L		91	54 - 121
Benzo[a]anthracene	1.00	0.944		ug/L		94	61 - 122
Benzo[a]pyrene	1.00	0.878		ug/L		88	60 - 120
Benzo[b]fluoranthene	1.00	0.835		ug/L		83	58 - 122
Benzo[g,h,i]perylene	1.00	0.720		ug/L		72	50 - 120
Benzo[k]fluoranthene	1.00	0.856		ug/L		86	57 - 128
Bis(2-chloroethyl)ether	1.00	1.13		ug/L		113	59 - 130
Bis(2-ethylhexyl) phthalate	1.00	0.782	J	ug/L		78	14 - 155
Butylbenzylphthalate	1.00	0.932	J	ug/L		93	10 - 120
Chrysene	1.00	0.816		ug/L		82	55 - 123
Dibenz(a,h)anthracene	1.00	0.708		ug/L		71	50 - 121
Dibenzofuran	1.00	0.813		ug/L		81	48 - 124
Diethylphthalate	1.00	0.917	J	ug/L		92	38 - 120
Dimethylphthalate	1.00	0.859	J	ug/L		86	10 - 121
Di-n-butyl phthalate	1.00	1.26	*+	ug/L		126	46 - 125
Di-n-octyl phthalate	1.00	0.604	J	ug/L		60	22 - 130
Fluoranthene	1.00	0.872		ug/L		87	61 - 123
Fluorene	1.00	0.814		ug/L		81	55 - 120
Hexachlorobenzene	1.00	0.761		ug/L		76	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.779		ug/L		78	47 - 143
Naphthalene	1.00	0.847		ug/L		85	20 - 120
N-Nitrosodimethylamine	1.00	0.848		ug/L		85	37 - 120
Phenanthrene	1.00	0.909		ug/L		91	59 - 120
Pyrene	1.00	0.870		ug/L		87	46 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*88*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*92*		*10 - 110*
Fluoranthene-d10 (Surr)	*94*		*47 - 128*

Lab Sample ID: LCSD 410-347487/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 347593 **Prep Batch: 347487**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	1.00	0.586		ug/L		59	23 - 120	11	30
1-Methylnaphthalene	1.00	0.782		ug/L		78	23 - 124	4	30
2-Methylnaphthalene	1.00	0.735		ug/L		74	20 - 133	4	30
Acenaphthene	1.00	0.901		ug/L		90	42 - 120	1	30
Acenaphthylene	1.00	0.810		ug/L		81	49 - 120	1	30
Anthracene	1.00	0.920		ug/L		92	54 - 121	1	30
Benzo[a]anthracene	1.00	0.931		ug/L		93	61 - 122	1	30
Benzo[a]pyrene	1.00	0.921		ug/L		92	60 - 120	5	30

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

Lab Sample ID: LCSD 410-347487/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 347593 **Prep Batch: 347487**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[b]fluoranthene	1.00	0.867		ug/L		87	58 - 122	4	30
Benzo[g,h,i]perylene	1.00	0.836		ug/L		84	50 - 120	15	30
Benzo[k]fluoranthene	1.00	0.895		ug/L		89	57 - 128	4	30
Bis(2-chloroethyl)ether	1.00	1.20		ug/L		120	59 - 130	5	30
Bis(2-ethylhexyl) phthalate	1.00	0.862	J	ug/L		86	14 - 155	10	30
Butylbenzylphthalate	1.00	0.879	J	ug/L		88	10 - 120	6	30
Chrysene	1.00	0.840		ug/L		84	55 - 123	3	30
Dibenz(a,h)anthracene	1.00	0.871		ug/L		87	50 - 121	21	30
Dibenzofuran	1.00	0.814		ug/L		81	48 - 124	0	30
Diethylphthalate	1.00	0.923	J	ug/L		92	38 - 120	1	30
Dimethylphthalate	1.00	0.844	J	ug/L		84	10 - 121	2	30
Di-n-butyl phthalate	1.00	1.59	*+	ug/L		159	46 - 125	23	30
Di-n-octyl phthalate	1.00	0.764	J	ug/L		76	22 - 130	23	30
Fluoranthene	1.00	0.829		ug/L		83	61 - 123	5	30
Fluorene	1.00	0.818		ug/L		82	55 - 120	1	30
Hexachlorobenzene	1.00	0.768		ug/L		77	20 - 120	1	30
Indeno[1,2,3-cd]pyrene	1.00	0.892		ug/L		89	47 - 143	14	30
Naphthalene	1.00	0.870		ug/L		87	20 - 120	3	30
N-Nitrosodimethylamine	1.00	0.901		ug/L		90	37 - 120	6	30
Phenanthrene	1.00	0.904		ug/L		90	59 - 120	1	30
Pyrene	1.00	0.830		ug/L		83	46 - 122	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*86*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*93*		*10 - 110*
Fluoranthene-d10 (Surr)	*84*		*47 - 128*

Lab Sample ID: 410-115936-1 MS **Client Sample ID: FBS010-MS_022023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 347593 **Prep Batch: 347487**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND		1.01	0.501		ug/L		49	23 - 120
1-Methylnaphthalene	ND		1.01	0.732		ug/L		72	23 - 124
2-Methylnaphthalene	ND		1.01	0.686		ug/L		68	20 - 133
Acenaphthene	ND		1.01	0.914		ug/L		90	42 - 120
Acenaphthylene	ND		1.01	0.846		ug/L		83	49 - 120
Anthracene	ND		1.01	0.971		ug/L		96	54 - 121
Benzo[a]anthracene	ND		1.01	1.00		ug/L		99	61 - 122
Benzo[a]pyrene	ND		1.01	0.993		ug/L		98	60 - 120
Benzo[b]fluoranthene	ND		1.01	0.966		ug/L		95	58 - 122
Benzo[g,h,i]perylene	ND		1.01	0.883		ug/L		87	50 - 120
Benzo[k]fluoranthene	ND		1.01	0.966		ug/L		95	57 - 128
Bis(2-chloroethyl)ether	ND	F1	1.01	1.02		ug/L		101	59 - 130
Bis(2-ethylhexyl) phthalate	ND	cn	1.01	0.953	J	ug/L		94	14 - 155
Butylbenzylphthalate	ND		1.01	0.931	J	ug/L		92	10 - 120
Chrysene	ND		1.01	0.912		ug/L		90	55 - 123
Dibenz(a,h)anthracene	ND		1.01	0.920		ug/L		91	50 - 121

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

Lab Sample ID: 410-115936-1 MS **Client Sample ID: FBS010-MS_022023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 347593 **Prep Batch: 347487**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenzofuran	ND		1.01	0.833		ug/L		82	48 - 124
Diethylphthalate	ND		1.01	0.964	J	ug/L		95	38 - 120
Dimethylphthalate	ND		1.01	0.918	J	ug/L		90	10 - 121
Di-n-butyl phthalate	0.26	J B *+ cn	1.01	1.28		ug/L		100	46 - 125
Di-n-octyl phthalate	ND		1.01	0.806	J	ug/L		79	22 - 130
Fluoranthene	ND		1.01	0.926		ug/L		91	61 - 123
Fluorene	ND		1.01	0.840		ug/L		83	55 - 120
Hexachlorobenzene	ND		1.01	0.831		ug/L		82	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.01	0.957		ug/L		94	47 - 143
Naphthalene	ND		1.01	0.792		ug/L		78	20 - 120
N-Nitrosodimethylamine	ND	cn	1.01	0.859		ug/L		85	37 - 120
Phenanthrene	ND		1.01	0.963		ug/L		95	59 - 120
Pyrene	ND		1.01	0.930		ug/L		92	46 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*79*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*99*		*10 - 110*
Fluoranthene-d10 (Surr)	*93*		*47 - 128*

Lab Sample ID: 410-115936-1 MSD **Client Sample ID: FBS010-MSD_022023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 347593 **Prep Batch: 347487**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND		1.01	0.621		ug/L		62	23 - 120	21	30
1-Methylnaphthalene	ND		1.01	0.915		ug/L		91	23 - 124	22	30
2-Methylnaphthalene	ND		1.01	0.855		ug/L		85	20 - 133	22	30
Acenaphthene	ND		1.01	1.02		ug/L		101	42 - 120	11	30
Acenaphthylene	ND		1.01	0.951		ug/L		94	49 - 120	12	30
Anthracene	ND		1.01	1.03		ug/L		102	54 - 121	6	30
Benzo[a]anthracene	ND		1.01	0.991		ug/L		98	61 - 122	1	30
Benzo[a]pyrene	ND		1.01	0.972		ug/L		97	60 - 120	2	30
Benzo[b]fluoranthene	ND		1.01	0.862		ug/L		86	58 - 122	11	30
Benzo[g,h,i]perylene	ND		1.01	0.797		ug/L		79	50 - 120	10	30
Benzo[k]fluoranthene	ND		1.01	1.00		ug/L		100	57 - 128	4	30
Bis(2-chloroethyl)ether	ND	F1	1.01	1.31	F1	ug/L		131	59 - 130	25	30
Bis(2-ethylhexyl) phthalate	ND	cn	1.01	0.764	J	ug/L		76	14 - 155	22	30
Butylbenzylphthalate	ND		1.01	0.946	J	ug/L		94	10 - 120	2	30
Chrysene	ND		1.01	0.887		ug/L		88	55 - 123	3	30
Dibenz(a,h)anthracene	ND		1.01	0.815		ug/L		81	50 - 121	12	30
Dibenzofuran	ND		1.01	0.943		ug/L		94	48 - 124	12	30
Diethylphthalate	ND		1.01	1.00		ug/L		99	38 - 120	4	30
Dimethylphthalate	ND		1.01	0.985	J	ug/L		98	10 - 121	7	30
Di-n-butyl phthalate	0.26	J B *+ cn	1.01	1.38		ug/L		112	46 - 125	8	30
Di-n-octyl phthalate	ND		1.01	0.659	J	ug/L		65	22 - 130	20	30
Fluoranthene	ND		1.01	0.937		ug/L		93	61 - 123	1	30
Fluorene	ND		1.01	0.931		ug/L		93	55 - 120	10	30
Hexachlorobenzene	ND		1.01	0.880		ug/L		87	20 - 120	6	30

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

Lab Sample ID: 410-115936-1 MSD **Client Sample ID: FBS010-MSD_022023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 347593 **Prep Batch: 347487**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene	ND		1.01	0.867		ug/L		86	47 - 143	10	30
Naphthalene	ND		1.01	0.985		ug/L		98	20 - 120	22	30
N-Nitrosodimethylamine	ND	cn	1.01	0.997		ug/L		99	37 - 120	15	30
Phenanthrene	ND		1.01	0.998		ug/L		99	59 - 120	4	30
Pyrene	ND		1.01	0.951		ug/L		94	46 - 122	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*99*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*95*		*10 - 110*
Fluoranthene-d10 (Surr)	*95*		*47 - 128*

GC/MS VOA

Analysis Batch: 349446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1	FBS010_022023	Total/NA	Water	8260C	
410-115936-2	Dup-01_022023	Total/NA	Water	8260C	
410-115936-3	FBW001_022023	Total/NA	Water	8260C	
410-115936-4	FB-01_022023	Total/NA	Water	8260C	
410-115936-5	Trip Blank_022023	Total/NA	Water	8260C	
MB 410-349446/9	Method Blank	Total/NA	Water	8260C	
LCS 410-349446/5	Lab Control Sample	Total/NA	Water	8260C	
410-115936-1 MS	FBS010-MS_022023	Total/NA	Water	8260C	
410-115936-1 MSD	FBS010-MSD_022023	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 347487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1	FBS010_022023	Total/NA	Water	3510C	
410-115936-2	Dup-01_022023	Total/NA	Water	3510C	
410-115936-3	FBW001_022023	Total/NA	Water	3510C	
410-115936-4	FB-01_022023	Total/NA	Water	3510C	
MB 410-347487/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-347487/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-347487/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-115936-1 MS	FBS010-MS_022023	Total/NA	Water	3510C	
410-115936-1 MSD	FBS010-MSD_022023	Total/NA	Water	3510C	

Prep Batch: 347489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1	FBS010_022023	Total/NA	Water	3510C	
410-115936-2	Dup-01_022023	Total/NA	Water	3510C	
410-115936-3	FBW001_022023	Total/NA	Water	3510C	
410-115936-4	FB-01_022023	Total/NA	Water	3510C	
MB 410-347489/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-347489/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-347489/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-115936-1 MS	FBS010-MS_022023	Total/NA	Water	3510C	
410-115936-1 MSD	FBS010-MSD_022023	Total/NA	Water	3510C	

Analysis Batch: 347567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1	FBS010_022023	Total/NA	Water	8270D	347489
410-115936-2	Dup-01_022023	Total/NA	Water	8270D	347489
410-115936-3	FBW001_022023	Total/NA	Water	8270D	347489
410-115936-4	FB-01_022023	Total/NA	Water	8270D	347489
MB 410-347489/1-A	Method Blank	Total/NA	Water	8270D	347489
LCS 410-347489/2-A	Lab Control Sample	Total/NA	Water	8270D	347489
LCSD 410-347489/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	347489
410-115936-1 MS	FBS010-MS_022023	Total/NA	Water	8270D	347489
410-115936-1 MSD	FBS010-MSD_022023	Total/NA	Water	8270D	347489

Analysis Batch: 347593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1	FBS010_022023	Total/NA	Water	8270D SIM	347487

GC/MS Semi VOA (Continued)

Analysis Batch: 347593 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-2	Dup-01_022023	Total/NA	Water	8270D SIM	347487
410-115936-3	FBW001_022023	Total/NA	Water	8270D SIM	347487
410-115936-4	FB-01_022023	Total/NA	Water	8270D SIM	347487
MB 410-347487/1-A	Method Blank	Total/NA	Water	8270D SIM	347487
LCS 410-347487/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	347487
LCSD 410-347487/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	347487
410-115936-1 MS	FBS010-MS_022023	Total/NA	Water	8270D SIM	347487
410-115936-1 MSD	FBS010-MSD_022023	Total/NA	Water	8270D SIM	347487

Prep Batch: 348351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1 - RE	FBS010_022023	Total/NA	Water	3510C	
410-115936-2 - RE	Dup-01_022023	Total/NA	Water	3510C	
410-115936-3 - RE	FBW001_022023	Total/NA	Water	3510C	
410-115936-4 - RE	FB-01_022023	Total/NA	Water	3510C	
MB 410-348351/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-348351/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-348351/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-115936-1 MS - RE	FBS010-MS_022023	Total/NA	Water	3510C	
410-115936-1 MSD - RE	FBS010-MSD_022023	Total/NA	Water	3510C	

Analysis Batch: 348434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-115936-1 - RE	FBS010_022023	Total/NA	Water	8270D SIM	348351
410-115936-2 - RE	Dup-01_022023	Total/NA	Water	8270D SIM	348351
410-115936-3 - RE	FBW001_022023	Total/NA	Water	8270D SIM	348351
410-115936-4 - RE	FB-01_022023	Total/NA	Water	8270D SIM	348351
MB 410-348351/1-A	Method Blank	Total/NA	Water	8270D SIM	348351
LCS 410-348351/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	348351
LCSD 410-348351/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	348351
410-115936-1 MS - RE	FBS010-MS_022023	Total/NA	Water	8270D SIM	348351
410-115936-1 MSD - RE	FBS010-MSD_022023	Total/NA	Water	8270D SIM	348351

Client Sample ID: FBS010_022023 — Lab Sample ID: 410-115936-1

Date Collected: 02/16/23 11:11 — **Matrix: Water**
Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349446	TQ4J	ELLE	03/02/23 14:44
Total/NA	Prep	3510C			347489	QJZ6	ELLE	02/23/23 16:29
Total/NA	Analysis	8270D		1	347567	W6XI	ELLE	02/24/23 01:01
Total/NA	Prep	3510C			347487	QJZ6	ELLE	02/23/23 16:24
Total/NA	Analysis	8270D SIM		1	347593	SJ89	ELLE	02/24/23 06:22
Total/NA	Prep	3510C	RE		348351	QJZ6	ELLE	02/27/23 16:02
Total/NA	Analysis	8270D SIM	RE	1	348434	SJ89	ELLE	02/28/23 05:22

Client Sample ID: Dup-01_022023 — Lab Sample ID: 410-115936-2

Date Collected: 02/16/23 12:00 — **Matrix: Water**
Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349446	TQ4J	ELLE	03/02/23 16:33
Total/NA	Prep	3510C			347489	QJZ6	ELLE	02/23/23 16:29
Total/NA	Analysis	8270D		1	347567	W6XI	ELLE	02/24/23 05:05
Total/NA	Prep	3510C			347487	QJZ6	ELLE	02/23/23 16:24
Total/NA	Analysis	8270D SIM		1	347593	SJ89	ELLE	02/24/23 07:26
Total/NA	Prep	3510C	RE		348351	QJZ6	ELLE	02/27/23 16:02
Total/NA	Analysis	8270D SIM	RE	1	348434	SJ89	ELLE	02/28/23 07:33

Client Sample ID: FBW001_022023 — Lab Sample ID: 410-115936-3

Date Collected: 02/16/23 10:57 — **Matrix: Water**
Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349446	TQ4J	ELLE	03/02/23 16:55
Total/NA	Prep	3510C			347489	QJZ6	ELLE	02/23/23 16:29
Total/NA	Analysis	8270D		1	347567	W6XI	ELLE	02/24/23 06:47
Total/NA	Prep	3510C			347487	QJZ6	ELLE	02/23/23 16:24
Total/NA	Analysis	8270D SIM		1	347593	SJ89	ELLE	02/24/23 07:47
Total/NA	Prep	3510C	RE		348351	QJZ6	ELLE	02/27/23 16:02
Total/NA	Analysis	8270D SIM	RE	1	348434	SJ89	ELLE	02/28/23 07:55

Client Sample ID: FB-01_022023 — Lab Sample ID: 410-115936-4

Date Collected: 02/16/23 10:57 — **Matrix: Water**
Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349446	TQ4J	ELLE	03/02/23 13:15
Total/NA	Prep	3510C			347489	QJZ6	ELLE	02/23/23 16:29
Total/NA	Analysis	8270D		1	347567	W6XI	ELLE	02/24/23 05:26
Total/NA	Prep	3510C			347487	QJZ6	ELLE	02/23/23 16:24
Total/NA	Analysis	8270D SIM		1	347593	SJ89	ELLE	02/24/23 08:08

Lab Chronicle

Client: Environmental Works, Inc. Job ID: 410-115936-1
Project/Site: Springfield, MO – OFIWP

Client Sample ID: FB-01_022023 Lab Sample ID: 410-115936-4

Date Collected: 02/16/23 10:57 **Matrix: Water**
Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C	RE		348351	QJZ6	ELLE	02/27/23 16:02
Total/NA	Analysis	8270D SIM	RE	1	348434	SJ89	ELLE	02/28/23 08:17

Client Sample ID: Trip Blank_022023 Lab Sample ID: 410-115936-5

Date Collected: 02/16/23 00:00 **Matrix: Water**
Date Received: 02/17/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349446	TQ4J	ELLE	03/02/23 13:38

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: 410-115936-1
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: 410-115936-1
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.
Job ID: 410-115936-1
Project/Site: Springfield, MO – OFIWP

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-115936-1	FBS010_022023	Water	02/16/23 11:11	02/17/23 09:40
410-115936-2	Dup-01_022023	Water	02/16/23 12:00	02/17/23 09:40
410-115936-3	FBW001_022023	Water	02/16/23 10:57	02/17/23 09:40
410-115936-4	FB-01_022023	Water	02/16/23 10:57	02/17/23 09:40
410-115936-5	Trip Blank_022023	Water	02/16/23 00:00	02/17/23 09:40

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: 9355 Analysis Batch Number: 346157

Lab Sample ID: IC 410-346157/12 Client Sample ID:

Date Analyzed: 02/20/23 16:20 Lab File ID: YF17I11.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.29	Incomplete Integration	K4WN	02/20/23 19:24
Bromomethane	2.61	Incomplete Integration	K4WN	02/20/23 19:24
Dichlorofluoromethane	2.92	Incomplete Integration	K4WN	02/20/23 19:24
n-Pentane	3.00	Incomplete Integration	K4WN	02/20/23 19:24
2-Propanol	3.86	Incomplete Integration	K4WN	02/20/23 19:24
Methylene Chloride	4.17	Incomplete Integration	K4WN	02/20/23 19:24
t-Butyl alcohol	4.36	Incomplete Integration	K4WN	02/20/23 19:24
Acrylonitrile	4.51	Incomplete Integration	K4WN	02/20/23 19:25
Propionitrile	6.15	Incomplete Integration	K4WN	02/20/23 19:25
Methacrylonitrile	6.36	Incomplete Integration	K4WN	02/20/23 19:25
Isobutyl alcohol	7.17	Incomplete Integration	K4WN	02/20/23 19:25
Benzene	7.29	Incomplete Integration	K4WN	02/20/23 19:25
1,4-Dioxane	8.61	Incomplete Integration	K4WN	02/20/23 19:25
trans-1,3-Dichloropropene	10.06	Incomplete Integration	K4WN	02/20/23 19:25
2-Hexanone	10.48	Incomplete Integration	K4WN	02/20/23 19:25
1,2-Dibromo-3-Chloropropane	13.91	Incomplete Integration	K4WN	02/20/23 19:26
2-Methylnaphthalene	15.43	Incomplete Integration	K4WN	02/20/23 19:26

Lab Sample ID: IC 410-346157/13 Client Sample ID:

Date Analyzed: 02/20/23 16:42 Lab File ID: YF17I12.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.96	Incomplete Integration	K4WN	02/20/23 19:26
Bromomethane	2.61	Incomplete Integration	K4WN	02/20/23 19:26
Methyl acetate	3.98	Incomplete Integration	K4WN	02/20/23 19:27
t-Butyl alcohol	4.41	Incomplete Integration	K4WN	02/20/23 19:27
1,4-Dioxane	8.62	Incomplete Integration	K4WN	02/20/23 19:27
m&p-Xylene	11.42	Incomplete Integration	K4WN	02/20/23 19:27
2-Methylnaphthalene	15.42	Incomplete Integration	K4WN	02/20/23 19:28

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: 9355 Analysis Batch Number: 346157

Lab Sample ID: IC 410-346157/14 Client Sample ID:

Date Analyzed: 02/20/23 17:04 Lab File ID: YF17I13.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	3.72	Incomplete Integration	K4WN	02/20/23 19:28
Methyl acetate	3.98	Incomplete Integration	K4WN	02/20/23 19:28
1,4-Dioxane	8.61	Incomplete Integration	K4WN	02/20/23 19:29
2-Methylnaphthalene	15.42	Incomplete Integration	K4WN	02/20/23 19:30

Lab Sample ID: IC 410-346157/15 Client Sample ID:

Date Analyzed: 02/20/23 17:26 Lab File ID: YF17I14.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.97	Incomplete Integration	K4WN	02/20/23 19:30
2-Propanol	3.71	Incomplete Integration	K4WN	02/20/23 19:30
t-Butyl alcohol	4.41	Incomplete Integration	K4WN	02/20/23 19:30
1,4-Dioxane	8.61	Incomplete Integration	K4WN	02/20/23 19:31

Lab Sample ID: ICIS 410-346157/16 Client Sample ID:

Date Analyzed: 02/20/23 17:48 Lab File ID: YF17I15.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.97	Incomplete Integration	K4WN	02/20/23 19:31
t-Butyl alcohol	4.40	Incomplete Integration	K4WN	02/20/23 19:31
1,4-Dioxane	8.60	Incomplete Integration	K4WN	02/20/23 19:32

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: 9355 Analysis Batch Number: 346157

Lab Sample ID: IC 410-346157/17 Client Sample ID:

Date Analyzed: 02/20/23 18:10 Lab File ID: YF17I16.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.96	Incomplete Integration	K4WN	02/20/23 19:32
1,4-Dioxane	8.61	Incomplete Integration	K4WN	02/20/23 19:33

Lab Sample ID: IC 410-346157/18 Client Sample ID:

Date Analyzed: 02/20/23 18:32 Lab File ID: YF17I17.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol	4.39	Incomplete Integration	K4WN	02/20/23 19:33
1,4-Dioxane	8.61	Incomplete Integration	K4WN	02/20/23 19:34
Naphthalene	14.64	Incomplete Integration	K4WN	02/20/23 19:35

Lab Sample ID: ICV 410-346157/20 Client Sample ID:

Date Analyzed: 02/20/23 19:16 Lab File ID: YF17V11.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	2.99	Incomplete Integration	K4WN	02/20/23 20:34
2-Propanol	3.70	Incomplete Integration	K4WN	02/20/23 20:29
t-Butyl alcohol	4.35	Incomplete Integration	K4WN	02/20/23 20:30
Isobutyl alcohol	7.15	Incomplete Integration	K4WN	02/20/23 20:35
1,4-Dioxane	8.60	Incomplete Integration	K4WN	02/20/23 20:28

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: 9355 Analysis Batch Number: 349446

Lab Sample ID: CCVIS 410-349446/3 Client Sample ID:

Date Analyzed: 03/02/23 10:07 Lab File ID: YM02X02.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.18	Incomplete Integration	TQ4J	03/02/23 11:01

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 314883

Lab Sample ID: ICIS 410-314883/2 Client Sample ID:

Date Analyzed: 11/07/22 18:52 Lab File ID: DK0701a.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-ethylhexyl) phthalate	11.55	Split Peak	SJ89	11/07/22 22:51

Lab Sample ID: IC 410-314883/3 Client Sample ID:

Date Analyzed: 11/07/22 19:20 Lab File ID: DK0702.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.91	Split Peak	SJ89	11/07/22 19:50
N-Nitrosodimethylamine	2.14	Split Peak	SJ89	11/07/22 19:50
N-Nitrosodi-n-butylamine	6.12	Split Peak	SJ89	11/07/22 19:51
Isosafrole Peak 1	6.61	Split Peak	SJ89	11/07/22 19:51
1,4-Dinitrobenzene	7.10	Peak assignment corrected	SJ89	11/07/22 19:52
N,N-dimethylformamide		Invalid Compound ID	SJ89	11/07/22 19:50
N-Nitrosomethylethylamine		Invalid Compound ID	SJ89	11/07/22 19:50
Bis(2-ethylhexyl) phthalate	11.55	Split Peak	SJ89	11/07/22 22:52
Dibenz[a,j]acridine	14.74	Peak assignment corrected	SJ89	11/07/22 19:52
Indeno[1,2,3-cd]pyrene	14.98	Baseline	SJ89	11/07/22 19:53

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 314883

Lab Sample ID: IC 410-314883/4 Client Sample ID:

Date Analyzed: 11/07/22 19:41 Lab File ID: DK0703.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.15	Peak assignment corrected	SJ89	11/07/22 20:39
Isosafrole Peak 1	6.61	Peak assignment corrected	SJ89	11/07/22 20:39
2-Chloronaphthalene	6.87	Peak assignment corrected	SJ89	11/07/22 20:39
5-Nitro-o-toluidine	7.92	Split Peak	SJ89	11/07/22 20:40
N,N-dimethylformamide		Invalid Compound ID	SJ89	11/07/22 20:39
N-Nitrosomethylethylamine		Invalid Compound ID	SJ89	11/07/22 20:39
Bis(2-ethylhexyl) phthalate	11.55	Split Peak	SJ89	11/07/22 22:52
Benzo[a]pyrene	13.36	Split Peak	SJ89	11/07/22 20:40
Dibenz[a,j]acridine	14.74	Split Peak	SJ89	11/07/22 20:40

Lab Sample ID: IC 410-314883/5 Client Sample ID:

Date Analyzed: 11/07/22 20:02 Lab File ID: DK0704.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-ethylhexyl) phthalate	11.55	Split Peak	SJ89	11/07/22 22:52

Lab Sample ID: IC 410-314883/6 Client Sample ID:

Date Analyzed: 11/07/22 20:23 Lab File ID: DK0705.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.87	Split Peak	SJ89	11/07/22 20:43
1-Chloronaphthalene	6.89	Split Peak	SJ89	11/07/22 20:43
Bis(2-ethylhexyl) phthalate	11.54	Split Peak	SJ89	11/07/22 22:53

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 314883

Lab Sample ID: IC 410-314883/8 Client Sample ID:

Date Analyzed: 11/07/22 21:04 Lab File ID: DK0707.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-ethylhexyl) phthalate	11.54	Split Peak	SJ89	11/07/22 22:50

Lab Sample ID: IC 410-314883/9 Client Sample ID:

Date Analyzed: 11/07/22 21:25 Lab File ID: DK0708.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	2.51	Baseline	SJ89	11/07/22 21:47
Bis(2-ethylhexyl) phthalate	11.54	Split Peak	SJ89	11/07/22 22:50

Lab Sample ID: ICV 410-314883/12 Client Sample ID:

Date Analyzed: 11/07/22 22:28 Lab File ID: DK0711.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-phenylenediamine	6.13	Peak assignment corrected	W6XI	11/08/22 08:13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 347567

Lab Sample ID: CCVIS 410-347567/2 Client Sample ID:

Date Analyzed: 02/23/23 21:39 Lab File ID: DB2351.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.61	Split Peak	P7EB	02/23/23 22:06
1-Chloronaphthalene	6.63	Split Peak	P7EB	02/23/23 22:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 338781

Lab Sample ID: ICIS 410-338781/2 Client Sample ID:

Date Analyzed: 01/26/23 07:56 Lab File ID: MA0401a.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	15.01	Baseline	UJM0	01/26/23 08:16

Lab Sample ID: IC 410-338781/3 Client Sample ID:

Date Analyzed: 01/26/23 08:20 Lab File ID: MA0402.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthylene	7.26	Baseline	UJM0	01/26/23 08:45
Indeno[1,2,3-cd]pyrene	15.01	Baseline	UJM0	01/26/23 08:44

Lab Sample ID: IC 410-338781/4 Client Sample ID:

Date Analyzed: 01/26/23 08:41 Lab File ID: MA0403.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	15.01	Baseline	UJM0	01/26/23 09:04

Lab Sample ID: IC 410-338781/5 Client Sample ID:

Date Analyzed: 01/26/23 09:03 Lab File ID: MA0404.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.86	Baseline	UJM0	01/26/23 09:31
Quinoline	6.07	Baseline	UJM0	01/26/23 09:31
Indeno[1,2,3-cd]pyrene	15.00	Baseline	UJM0	01/26/23 09:31

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 338781

Lab Sample ID: IC 410-338781/6 Client Sample ID:

Date Analyzed: 01/26/23 09:24 Lab File ID: MA0405.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.87	Baseline	UJM0	01/26/23 10:33
Quinoline	6.07	Baseline	UJM0	01/26/23 10:33
N-Nitrosodiphenylamine	8.03	Baseline	UJM0	01/26/23 10:33
Indeno[1,2,3-cd]pyrene	15.00	Baseline	UJM0	01/26/23 10:32

Lab Sample ID: IC 410-338781/7 Client Sample ID:

Date Analyzed: 01/26/23 09:46 Lab File ID: MA0406.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.88	Baseline	UJM0	01/26/23 10:34
Quinoline	6.07	Baseline	UJM0	01/26/23 10:34
N-Nitrosodiphenylamine	8.03	Baseline	UJM0	01/26/23 10:33
Perylene	13.43	Baseline	UJM0	01/26/23 10:34
Indeno[1,2,3-cd]pyrene	15.00	Baseline	UJM0	01/26/23 10:34

Lab Sample ID: ICV 410-338781/9 Client Sample ID:

Date Analyzed: 01/26/23 10:29 Lab File ID: MA0408.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.00	Baseline	UJM0	01/27/23 03:05
N-Nitrosodimethylamine	2.24	Baseline	UJM0	01/27/23 03:05
Naphthalene	5.76	Baseline	UJM0	01/27/23 03:05
N-Nitrosodiphenylamine	8.03	Baseline	UJM0	01/27/23 03:06
Indeno[1,2,3-cd]pyrene	15.00	Baseline	UJM0	01/27/23 03:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 339982

Lab Sample ID: ICV 410-339982/3 Client Sample ID:

Date Analyzed: 01/31/23 07:23 Lab File ID: MA0602a.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	UCA2	02/01/23 09:25
1-Methylnaphthalene		Invalid Compound ID	UCA2	02/01/23 09:25
Acenaphthene		Invalid Compound ID	UCA2	02/01/23 09:25
Acenaphthylene		Invalid Compound ID	UCA2	02/01/23 09:25
Anthracene		Invalid Compound ID	UCA2	02/01/23 09:25
Benzo[a]anthracene		Invalid Compound ID	UCA2	02/01/23 09:25
Benzo[a]pyrene		Invalid Compound ID	UCA2	02/01/23 09:25
Benzo[b]fluoranthene		Invalid Compound ID	UCA2	02/01/23 09:25
Benzo[g,h,i]perylene		Invalid Compound ID	UCA2	02/01/23 09:25
Bis(2-chloroethyl)ether		Invalid Compound ID	UCA2	02/01/23 09:25
Bis(2-ethylhexyl) phthalate		Invalid Compound ID	UCA2	02/01/23 09:25
Butylbenzylphthalate		Invalid Compound ID	UCA2	02/01/23 09:25
Chrysene		Invalid Compound ID	UCA2	02/01/23 09:25
Dibenz(a,h)anthracene		Invalid Compound ID	UCA2	02/01/23 09:25
Dibenzofuran		Invalid Compound ID	UCA2	02/01/23 09:25
Di-n-butyl phthalate		Invalid Compound ID	UCA2	02/01/23 09:25
Fluoranthene		Invalid Compound ID	UCA2	02/01/23 09:25
Fluorene		Invalid Compound ID	UCA2	02/01/23 09:25
Hexachlorobenzene		Invalid Compound ID	UCA2	02/01/23 09:25
Indeno[1,2,3-cd]pyrene		Baseline	UJM0	01/31/23 07:51
Naphthalene		Invalid Compound ID	UCA2	02/01/23 09:25
N-Nitrosodimethylamine		Invalid Compound ID	UCA2	02/01/23 09:25
Phenanthrene		Invalid Compound ID	UCA2	02/01/23 09:25
Pyrene		Invalid Compound ID	UCA2	02/01/23 09:25

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 347593

Lab Sample ID: CCVIS 410-347593/2 Client Sample ID:

Date Analyzed: 02/24/23 04:03 Lab File ID: MB0801.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.81	Baseline	UJM0	02/24/23 04:24
Indeno[1,2,3-cd]pyrene	14.97	Baseline	UJM0	02/24/23 04:25

Lab Sample ID: MB 410-347487/1-A Client Sample ID:

Date Analyzed: 02/24/23 05:18 Lab File ID: MB0804.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.82	Baseline	SJ89	02/24/23 18:04
Di-n-butyl phthalate	9.37	Baseline	SJ89	02/24/23 18:04
Di-n-octyl phthalate		Invalid Compound ID	SJ89	02/24/23 18:04
Indeno[1,2,3-cd]pyrene	14.96	Baseline	SJ89	02/24/23 18:05

Lab Sample ID: LCS 410-347487/2-A Client Sample ID:

Date Analyzed: 02/24/23 05:39 Lab File ID: MB0805.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.82	Baseline	SJ89	02/24/23 18:05
Bis(2-chloroethyl)ether	4.28	Baseline	SJ89	02/24/23 18:05
Naphthalene-d8	5.74	Baseline	SJ89	02/24/23 18:05
Naphthalene	5.76	Baseline	SJ89	02/24/23 18:05
Dimethylphthalate	7.14	Baseline	SJ89	02/24/23 18:05
Indeno[1,2,3-cd]pyrene	14.96	Baseline	SJ89	02/24/23 18:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 347593

Lab Sample ID: LCSD 410-347487/3-A Client Sample ID:

Date Analyzed: 02/24/23 06:01 Lab File ID: MB0806.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.83	Baseline	SJ89	02/24/23 18:07
Bis(2-chloroethyl)ether	4.28	Baseline	SJ89	02/24/23 18:07
Naphthalene-d8	5.73	Baseline	SJ89	02/24/23 18:07
Naphthalene	5.76	Baseline	SJ89	02/24/23 18:07
Dimethylphthalate	7.14	Baseline	SJ89	02/24/23 18:07
Indeno[1,2,3-cd]pyrene	14.96	Baseline	SJ89	02/24/23 18:08

Lab Sample ID: 410-115936-1 Client Sample ID: FBS010_022023

Date Analyzed: 02/24/23 06:22 Lab File ID: MB0807.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether	4.28	Baseline	SJ89	02/24/23 18:08
Di-n-butyl phthalate	9.37	Baseline	SJ89	02/24/23 18:09
1,4-Dioxane		Invalid Compound ID	SJ89	02/24/23 18:08
Indeno[1,2,3-cd]pyrene	14.96	Baseline	SJ89	02/24/23 18:09

Lab Sample ID: 410-115936-1 MS Client Sample ID: FBS010-MS_022023 MS

Date Analyzed: 02/24/23 06:43 Lab File ID: MB0808.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.82	Baseline	SJ89	02/24/23 18:11
Bis(2-chloroethyl)ether	4.28	Baseline	SJ89	02/24/23 18:11
Naphthalene	5.76	Baseline	SJ89	02/24/23 18:11
Indeno[1,2,3-cd]pyrene	14.96	Baseline	SJ89	02/24/23 18:12

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 347593

Lab Sample ID: 410-115936-1 MSD Client Sample ID: FBS010-MSD_022023 MSD

Date Analyzed: 02/24/23 07:04 Lab File ID: MB0809.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.83	Baseline	SJ89	02/24/23 18:12
Bis(2-chloroethyl)ether	4.28	Baseline	SJ89	02/24/23 18:12
Naphthalene-d8	5.73	Baseline	SJ89	02/24/23 18:12
Naphthalene	5.76	Baseline	SJ89	02/24/23 18:13
Indeno[1,2,3-cd]pyrene	14.96	Baseline	SJ89	02/24/23 18:13

Lab Sample ID: 410-115936-2 Client Sample ID: Dup-01_022023

Date Analyzed: 02/24/23 07:26 Lab File ID: MB0810.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether	4.28	Baseline	SJ89	02/24/23 18:14
Diethylphthalate	7.81	Baseline	SJ89	02/24/23 18:15
1,4-Dioxane		Invalid Compound ID	SJ89	02/24/23 18:14
Acenaphthene		Baseline	SJ89	02/24/23 18:15
Di-n-octyl phthalate		Invalid Compound ID	SJ89	02/24/23 18:15

Lab Sample ID: 410-115936-3 Client Sample ID: FBW001_022023

Date Analyzed: 02/24/23 07:47 Lab File ID: MB0811.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	SJ89	02/24/23 18:15

Lab Sample ID: 410-115936-4 Client Sample ID: FB-01_022023

Date Analyzed: 02/24/23 08:08 Lab File ID: MB0812.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether		Invalid Compound ID	SJ89	02/24/23 18:16

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 346701

Lab Sample ID: ICIS 410-346701/2 Client Sample ID:

Date Analyzed: 02/21/23 22:48 Lab File ID: NB0451a.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8	5.77	Split Peak	SJ89	02/21/23 23:27

Lab Sample ID: IC 410-346701/4 Client Sample ID:

Date Analyzed: 02/21/23 23:57 Lab File ID: NB0453.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Quinoline	6.09	Baseline	UJM0	02/22/23 03:18

Lab Sample ID: IC 410-346701/5 Client Sample ID:

Date Analyzed: 02/22/23 00:19 Lab File ID: NB0454.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8	5.77	Baseline	UJM0	02/22/23 03:19
Quinoline	6.09	Baseline	UJM0	02/22/23 03:19

Lab Sample ID: IC 410-346701/6 Client Sample ID:

Date Analyzed: 02/22/23 00:40 Lab File ID: NB0455.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.74	Baseline	UJM0	02/22/23 03:21
N-Nitrosodimethylamine	2.06	Baseline	UJM0	02/22/23 03:21
Naphthalene-d8	5.77	Baseline	UJM0	02/22/23 03:21
Quinoline	6.09	Baseline	UJM0	02/22/23 03:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 346701

Lab Sample ID: IC 410-346701/7 Client Sample ID:

Date Analyzed: 02/22/23 01:02 Lab File ID: NB0456.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.74	Baseline	UJM0	02/22/23 03:22
N-Nitrosodimethylamine	2.08	Baseline	UJM0	02/22/23 03:22
Naphthalene-d8	5.77	Baseline	UJM0	02/22/23 03:22
Benzo[a]anthracene	11.50	Baseline	UJM0	02/22/23 03:22
Chrysene-d12	11.52	Baseline	UJM0	02/22/23 03:23
Benzo[k]fluoranthene	12.98	Baseline	UJM0	02/22/23 03:23
Indeno[1,2,3-cd]pyrene	15.14	Baseline	UJM0	02/22/23 03:23
Dibenz(a,h)anthracene	15.21	Baseline	UJM0	02/22/23 03:23
Benzo[g,h,i]perylene	15.62	Baseline	UJM0	02/22/23 03:23

Lab Sample ID: ICV 410-346701/9 Client Sample ID:

Date Analyzed: 02/22/23 01:46 Lab File ID: NB0458.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.78	Baseline	UJM0	02/22/23 03:27
Dibenzofuran	7.63	Baseline	UJM0	02/22/23 03:27

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 348434

Lab Sample ID: MB 410-348351/1-A Client Sample ID:

Date Analyzed: 02/28/23 04:17 Lab File ID: NB0752.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-octyl phthalate		Invalid Compound ID	UJM0	02/28/23 04:56

Lab Sample ID: LCS 410-348351/2-A Client Sample ID:

Date Analyzed: 02/28/23 04:39 Lab File ID: NB0753.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-octyl phthalate	12.46	Baseline	UJM0	02/28/23 05:13

Lab Sample ID: 410-115936-1 RE Client Sample ID: FBS010_022023 RE

Date Analyzed: 02/28/23 05:22 Lab File ID: NB0755.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-octyl phthalate		Invalid Compound ID	UJM0	02/28/23 05:49

Lab Sample ID: 410-115936-1 MS RE Client Sample ID: FBS010-MS_022023 MS RE

Date Analyzed: 02/28/23 05:44 Lab File ID: NB0756.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.75	Baseline	UJM0	02/28/23 06:02
Di-n-octyl phthalate	12.46	Baseline	UJM0	02/28/23 06:03

Lab Sample ID: 410-115936-1 MSD RE Client Sample ID: FBS010-MSD_022023 MSD RE

Date Analyzed: 02/28/23 06:06 Lab File ID: NB0757.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.75	Baseline	UJM0	02/28/23 06:29
Di-n-octyl phthalate	12.46	Baseline	UJM0	02/28/23 06:29

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-115936-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 348434

Lab Sample ID: 410-115936-2 RE Client Sample ID: Dup-01_022023 RE

Date Analyzed: 02/28/23 07:33 Lab File ID: NB0761.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-octyl phthalate		Invalid Compound ID	UJM0	02/28/23 07:54

Lab Sample ID: 410-115936-3 RE Client Sample ID: FBW001_022023 RE

Date Analyzed: 02/28/23 07:55 Lab File ID: NB0762.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-octyl phthalate		Invalid Compound ID	UJM0	02/28/23 08:14

Lab Sample ID: 410-115936-4 RE Client Sample ID: FB-01_022023 RE

Date Analyzed: 02/28/23 08:17 Lab File ID: NB0763.D GC Column: DB-5MS 30m 0.2 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	UJM0	02/28/23 08:39
Anthracene		Invalid Compound ID	UJM0	02/28/23 08:40
Di-n-octyl phthalate		Invalid Compound ID	UJM0	02/28/23 08:40

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSS_FVICV_HCP_00009	03/26/23	09/26/22	MeCl2, Lot 224289	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
							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_RV8270_1_00026	11/30/22	11/03/22	MeCl2, Lot 224977	1 mL	MSS_FV8270_1_00030	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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 1	0.02 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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FV8270_1_00030	04/30/23	11/03/22	MeCl2, Lot 224977	2 mL	MSS_FV8270_2_00027	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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00027	04/30/23	11/03/22	MeCl2, Lot 224977	5 mL	MSS_8270_APWS_00012	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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							trans-Diallate	0.26 ppm
					MSS_8270_WS_00013	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	40 uL	2,4-Dinitrophenol	10 ppm
					MSS_AB_46D2MP_00005	20 uL	4,6-Dinitro-2-methylphenol	6 ppm
					MSS_AB_4NP_00005	20 uL	4-Nitrophenol	6 ppm
					MSS_AB_PCP_00005	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_00012	04/30/23	11/03/22	MeCl2, Lot 224977	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00008	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	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_00006	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00007	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_00011	12/06/24		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
....OP_RES_APPX1_00008	07/31/23		Restek, Lot A0187679		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	05/31/23		Restek, Lot A0185039		(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_00006	04/30/23		Restek, Lot A0184674		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
....OP_RES_APPX4_00007	01/31/24		Restek, Lot A0180903		(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_00013	05/03/23	11/03/22	MeCl2, Lot 224977	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	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_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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	07/31/23		Restek, Lot A0181121		(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_00008	09/21/23		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
...MSS_AB_46D2MP_00005	09/21/23		Absolute, Lot 111919		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
...MSS_AB_4NP_00005	09/21/23		Absolute, Lot 072418		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
...MSS_AB_PCP_00005	09/21/23		Absolute, Lot 062222		(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_00027	11/30/22	11/03/22	MeCl2, Lot 224977	3 mL	MSS_BAS_WS_00006	7.5 uL	Atrazine	0.25 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_FV8270_2_00027	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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

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	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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00027	04/30/23	11/03/22	MeCl2, Lot 224977	5 mL	MSS_8270_APWS_00012	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
							Isosafrole Peak 2	0.84 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00013	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Phenanthrene	1 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	40 uL	2,4-Dinitrophenol	10 ppm
					MSS_AB_46D2MP_00005	20 uL	4,6-Dinitro-2-methylphenol	6 ppm
					MSS_AB_4NP_00005	20 uL	4-Nitrophenol	6 ppm
					MSS_AB_PCP_00005	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_00012	04/30/23	11/03/22	MeCl2, Lot 224977	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00008	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_00009	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00006	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00007	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_00011	12/06/24		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00008	07/31/23		Restek, Lot A0187679		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00009	05/31/23		Restek, Lot A0185039		(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_00006	04/30/23		Restek, Lot A0184674		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00007	01/31/24		Restek, Lot A0180903		(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_00013	05/03/23	11/03/22	MeCl2, Lot 224977	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_00008	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Fluorene	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	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_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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							N-Nitrosodi-n-propylamine	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	07/31/23		Restek, Lot A0181121		(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_00008	09/21/23		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00005	09/21/23		Absolute, Lot 111919		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00005	09/21/23		Absolute, Lot 072418		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
..MSS_AB_PCP_00005	09/21/23		Absolute, Lot 062222		(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_00024	11/30/22	11/03/22	MeCl2, Lot 224977	1 mL	MSS_BAS_WS_00006	12.5 uL	Atrazine	1.25 ppm
							Benzaldehyde	1.25 ppm
							Caprolactam	1.25 ppm
					MSS_FV8270_3_00028	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00028	04/30/23	11/03/22	MeCl2, Lot 223128	2 mL	MSS_8270_APWS_00012	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00013	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

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	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
							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_00008	20 uL	2,4-Dinitrophenol	20 ppm
					MSS_AB_46D2MP_00005	10 uL	4,6-Dinitro-2-methylphenol	15 ppm
					MSS_AB_4NP_00005	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_00012	04/30/23	11/03/22	MeCl2, Lot 224977	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00008	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	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_00006	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00007	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00011	12/06/24		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00008	07/31/23		Restek, Lot A0187679		(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_00009	05/31/23		Restek, Lot A0185039		(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_00006	04/30/23		Restek, Lot A0184674		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00007	01/31/24		Restek, Lot A0180903		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00013	05/03/23	11/03/22	MeCl2, Lot 224977	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_00008	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					OP_RES_LCS2_00008	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...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_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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	07/31/23		Restek, Lot A0181121		(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_00008	09/21/23		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00005	09/21/23		Absolute, Lot 111919		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00005	09/21/23		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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_4_00024	11/30/22	11/03/22	MeCl2, Lot 224977	3 mL	MSS_BAS_WS_00006	112.5 uL	Atrazine	3.75 ppm
							Benzaldehyde	3.75 ppm
							Caprolactam	3.75 ppm
					MSS_FV8270_4_00026	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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00026	04/30/23	11/03/22	MeCl2, Lot 224977	2 mL	MSS_8270_APWS_00012	120 uL	Benzidine	45 ppm
							1,3,5-Trinitrobenzene	15 ppm
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Sulfotepp	15 ppm
							Thionazin	15 ppm
							trans-Diallate	3.9 ppm
					MSS_8270_WS_00013	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	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
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_00012	04/30/23	11/03/22	MeCl2, Lot 224977	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00008	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_00009	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00006	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00007	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_00011	12/06/24		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00008	07/31/23		Restek, Lot A0187679		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00009	05/31/23		Restek, Lot A0185039		(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_00006	04/30/23		Restek, Lot A0184674		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00007	01/31/24		Restek, Lot A0180903		(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_00013	05/03/23	11/03/22	MeCl2, Lot 224977	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_00008	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Fluorene	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	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_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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							N-Nitrosodi-n-propylamine	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	07/31/23		Restek, Lot A0181121		(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_00008	09/21/23		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_5_00034	11/30/22	11/03/22	MeCl2, Lot 224977	3 mL	MSS_BAS_WS_00006	225 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_FV8270_5_00033	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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

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	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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00033	04/30/23	11/03/22	MeCl2, Lot 224977	5 mL	MSS_8270_APWS_00012	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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

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	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
							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_00013	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00008	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_00012	04/30/23	11/03/22	MeCl2, Lot 224977	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00008	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	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_00006	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00007	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_00011	12/06/24		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00008	07/31/23		Restek, Lot A0187679		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	05/31/23		Restek, Lot A0185039		(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_00006	04/30/23		Restek, Lot A0184674		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00007	01/31/24		Restek, Lot A0180903		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00013	05/03/23	11/03/22	MeCl2, Lot 224977	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_00008	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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	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_00008	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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...OP_RES_APPX6_00004	08/31/24		Restek, Lot A0175669		(Purchased Reagent)		Dibenz[a,j]acridine	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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	07/31/23		Restek, Lot A0181121		(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_00008	09/21/23		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_00036	11/30/22	11/03/22	MeCl2, Lot 224977	5 mL	MSS_BAS_WS_00006	625 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_FV8270_6_00043	1250 uL	Benzidine	37.5 ppm
							1,3,5-Trinitrobenzene	12.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00043	04/30/23	11/03/22	MeCl2, Lot 224977	5 mL	MSS_8270_APWS_00012	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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00013	1000 uL	2,4,6-Tribromophenol (Surr)	100 ppm
							2-Fluorobiphenyl (Surr)	100 ppm
							2-Fluorophenol (Surr)	100 ppm
							Nitrobenzene-d5 (Surr)	100 ppm
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00012	04/30/23	11/03/22	MeCl2, Lot 224977	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00008	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_00009	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00006	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00007	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_00011	12/06/24		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00008	07/31/23		Restek, Lot A0187679		(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_00009	05/31/23		Restek, Lot A0185039		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00006	04/30/23		Restek, Lot A0184674		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00007	01/31/24		Restek, Lot A0180903		(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_00013	05/03/23	11/03/22	MeCl2, Lot 224977	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_00008	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	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_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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_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_6_00039	04/30/23	12/27/22	MeCl2, Lot 225721	5 mL	MSS_FV8270_6_00046	1250 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_FV8270_6_00046	04/30/23	12/27/22	MeCl2, Lot 225721	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_RV8270_6_00039	04/30/23	12/27/22	MeCl2, Lot 225721	5 mL	MSS_FV8270_6_00046	1250 uL	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
							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_FV8270_6_00046	04/30/23	12/27/22	MeCl2, Lot 225721	5 mL	MSS_8270_WS_00013	1000 uL	2,4,6-Tribromophenol (Surr)	100 ppm
							2-Fluorobiphenyl (Surr)	100 ppm
							2-Fluorophenol (Surr)	100 ppm
							Nitrobenzene-d5 (Surr)	100 ppm
							p-Terphenyl-d14 (Surr)	100 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	100 ppm
							2,4-Dimethylphenol	50 ppm
							2,4-Dinitrophenol	100 ppm
							2-Chlorophenol	50 ppm
							Carbazole	50 ppm
							Phenol	50 ppm
..MSS_8270_WS_00013	05/03/23	11/03/22	MeCl2, Lot 224977	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_LCS1_00008	2500 uL	2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2-Chlorophenol	250 ppm
							Carbazole	250 ppm
							Phenol	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_LCS1_00008	06/30/23	Restek, Lot A0179662			(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_RV8270_7_00026	11/30/22	11/03/22	MeCl2, Lot 224977	1 mL	MSS_BAS_WS_00006	200 uL	Atrazine	20 ppm
							Benzaldehyde	20 ppm
							Caprolactam	20 ppm
					MSS_FV8270_7_00028	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00028	04/30/23	11/03/22	MeCl2, Lot 224977	2 mL	MSS_8270_APWS_00012	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00013	640 uL	2,4,6-Tribromophenol (Surr)	160 ppm
							2-Fluorobiphenyl (Surr)	160 ppm
							2-Fluorophenol (Surr)	160 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00012	04/30/23	11/03/22	MeCl2, Lot 224977	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00008	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	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_00006	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00007	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00011	12/06/24		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00008	07/31/23		Restek, Lot A0187679		(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_00009	05/31/23		Restek, Lot A0185039		(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_00006	04/30/23		Restek, Lot A0184674		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00007	01/31/24		Restek, Lot A0180903		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00013	05/03/23	11/03/22	MeCl2, Lot 224977	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_00008	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					OP_RES_LCS2_00008	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...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_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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	07/31/23		Restek, Lot A0181121		(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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSS_RV8270_8_00027	11/30/22	11/03/22	MeCl2, Lot 224977	1 mL	MSS_BAS_WS_00006	300 uL	Atrazine	30 ppm
							Benzaldehyde	30 ppm
							Caprolactam	30 ppm
					MSS_FV8270_8_00027	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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-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_00027	04/30/23	11/03/22	MeCl2, Lot 224977	2 mL	MSS_8270_APWS_00012	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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00013	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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00012	04/30/23	11/03/22	MeCl2, Lot 224977	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00008	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_00009	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00006	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00007	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_00011	12/06/24		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00008	07/31/23		Restek, Lot A0187679		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...OP_RES_APPX2_00009	05/31/23		Restek, Lot A0185039		(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_00006	04/30/23		Restek, Lot A0184674		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00007	01/31/24		Restek, Lot A0180903		(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_00013	05/03/23	11/03/22	MeCl2, Lot 224977	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_00008	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	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_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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_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_00038	11/30/23	01/27/22	MeCl2, Lot 216836	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
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00018	12/31/22	10/02/22	MeCl2, Lot 224289	3 mL	MSS_FV8270ICV_00021	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_00021	12/31/22	10/02/22	MeCl2, Lot 224289	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00018	12/31/22	10/02/22	MeCl2, Lot 224289	3 mL	MSS_FV8270ICV_00021	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_00021	12/31/22	10/02/22	MeCl2, Lot 224289	5 mL	MS_RES_ICV1_00005	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_00005	07/31/23	Restek, Lot A0180323			(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_00011	04/05/23	10/05/22	MeCl2, Lot 214960	2 mL	MSS_FVICV_BAS_00007	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_00007	04/05/23	10/05/22	MeCl2, Lot 224848	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_RVDFTPP_00011							4,4'-DDD	
							4,4'-DDE	
							Aramite, Total	
							Diallate	
							Isosafrole	
							m&p-Methylphenol	
							Tentatively Identified Compound	
							Total Cresols	
					MSS_AB_DFTPP_00015	650 uL	4,4'-DDT	13 ppm
							Benzidine_T	13 ppm
							DFTPP	13 ppm
							Pentachlorophenol_T	13 ppm

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.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_RVDFTPP_00012							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_RVSIM_1_00020	03/23/23	01/18/23	MeCl2, Lot 224289	2 mL	MSS_PHTH_WS1_00012	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_00035	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_00015	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00012	04/27/23	10/27/22	MeCl2, Lot 224977	2 mL	MSS_AB_PHTHAL_00008	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_00008	06/18/24	Absolute, Lot 061821			(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_00035	06/23/23	12/23/22	MeCl2, Lot 225458	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_00015	03/23/23	12/14/22	MeCl2, Lot 225271	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00020	03/23/23	01/18/23	MeCl2, Lot 224289	1 mL	MSS_PHTH_WS1_00012	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_00035	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_00015	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_PHTH_WS1_00012	04/27/23	10/27/22	MeCl2, Lot 224977	2 mL	MSS_AB_PHTHAL_00008	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_00008	06/18/24		Absolute, Lot 061821		(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_00035	06/23/23	12/23/22	MeCl2, Lot 225458	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_00015	03/23/23	12/14/22	MeCl2, Lot 225271	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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_3_00020	03/23/23	01/18/23	MeCl2, Lot 224289	1 mL	MSS_PHTH_WS1_00012	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_00035	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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00015	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_00012	04/27/23	10/27/22	MeCl2, Lot 224977	2 mL	MSS_AB_PHTHAL_00008	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_00008	06/18/24	Absolute, Lot 061821			(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_00035	06/23/23	12/23/22	MeCl2, Lot 225458	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00015	03/23/23	12/14/22	MeCl2, Lot 225271	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_4_00027	03/23/23	01/18/23	MeCl2, Lot 224289	5 mL	MSS_PHTH_WS1_00012	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_00035	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_00015	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00012	04/27/23	10/27/22	MeCl2, Lot 224977	2 mL	MSS_AB_PHTHAL_00008	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_00008	06/18/24		Absolute, Lot 061821		(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_00035	06/23/23	12/23/22	MeCl2, Lot 225458	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_00015	03/23/23	12/14/22	MeCl2, Lot 225271	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_5_00020	03/23/23	01/18/23	MeCl2, Lot 224289	1 mL	MSS_PHTH_WS1_00012	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_00035	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_00015	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_00012	04/27/23	10/27/22	MeCl2, Lot 224977	2 mL	MSS_AB_PHTHAL_00008	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00008	06/18/24		Absolute, Lot 061821		(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_00035	06/23/23	12/23/22	MeCl2, Lot 225458	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_00015	03/23/23	12/14/22	MeCl2, Lot 225271	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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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_6_00017	03/23/23	01/18/23	MeCl2, Lot 224289	1 mL	MSS_PHTH_WS1_00012	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_00035	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_00015	250 uL	1,4-Dioxane	2.5 ppm
							Bis(2-chloroethyl)ether	2.5 ppm

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00012	04/27/23	10/27/22	MeCl2, Lot 224977	2 mL	MSS_AB_PHTHAL_00008	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_00008	06/18/24		Absolute, Lot 061821		(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_00035	06/23/23	12/23/22	MeCl2, Lot 225458	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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00015	03/23/23	12/14/22	MeCl2, Lot 225271	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

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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
							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_00036	02/19/23	01/27/23	MeCl2, Lot 266455	1 mL	MSS_RVSIM_IS_00035	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_IS_00035	06/23/23	12/23/22	MeCl2, Lot 225458	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_00036	02/19/23	01/27/23	MeCl2, Lot 266455	1 mL	OP_SIMLCS_MS_00085	500 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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
.OP_SIMLCS_MS_00085	02/19/23	01/27/23	ACETONE, Lot ED774-US	100 mL	OP_LCS1_MS_00052	2 mL	1,4-Dioxane	1000 ppb
							1-Methylnaphthalene	1000 ppb
							2-Methylnaphthalene	1000 ppb
							Acenaphthene	1000 ppb
							Acenaphthylene	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
							Bis(2-chloroethyl)ether	1000 ppb
							Bis(2-ethylhexyl) phthalate	1000 ppb
							Butylbenzylphthalate	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
							Indeno[1,2,3-cd]pyrene	1000 ppb
							N-Nitrosodimethylamine	1000 ppb
							Naphthalene	1000 ppb
							Phenanthrene	1000 ppb
							Pyrene	1000 ppb
..OP_LCS1_MS_00052	02/19/23	01/18/23	Acetone, Lot ED774-US	400 mL	OP_RES_LCS1_00010	20 mL	1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2-Methylnaphthalene	50000 ppb

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	50000 ppb
							Acenaphthylene	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
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butylbenzylphthalate	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
							Indeno[1,2,3-cd]pyrene	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							Naphthalene	50000 ppb
							Phenanthrene	50000 ppb
							Pyrene	50000 ppb
...OP_RES_LCS1_00010	12/31/23		Restek, Lot A0186002		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_ICV_00037	06/23/23	01/31/23	MeCl2, Lot 226455	1 mL	MSS_FVSIM_ICV_00018	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_00018	06/23/23	01/31/23	MeCl2, Lot 226455	10 mL	MSS_FVSIM_IS_00018	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_00018	06/23/23	12/23/22	MeCl2, Lot 225458	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_00037	06/23/23	01/31/23	MeCl2, Lot 226455	1 mL	MSS_FVSIM_ICV_00018	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

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00018	06/23/23	01/31/23	MeCl2, Lot 226455	10 mL	MS_RES_ICV1_00005	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_00005	07/31/23		Restek, Lot A0180323		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00032	03/19/23	09/19/22	MeCl2, Lot 223824	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_00033	04/12/23	10/12/22	MeCl2, Lot 224289	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_4ppbEE_00523	02/25/23	02/20/23	DI Water, Lot DI 23009	1000 mL	MSV_CCV_2CEVE_00107	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00005	32 uL	Cyclohexanone	199.992 ug/L
					MSV_CCV_EE_00004	4 uL	Ethyl ether	3.99997 ug/L
					MSV_CCV_GASES_00394	2 uL	1,2-Dichloro-1,1,2-trifluoroethane	4 ug/L
							Bromomethane	4 ug/L
							Butadiene	4 ug/L
							Chloroethane	4 ug/L
							Chloromethane	4 ug/L
							Dichlorodifluoromethane	4 ug/L
							Dichlorofluoromethane	4 ug/L
							Trichlorofluoromethane	4 ug/L
							Vinyl chloride	4 ug/L
					MSV_CCV_VOC#1_00111	4 uL	1,1,1,2-Tetrachloroethane	4 ug/L
							1,1,1-Trichloroethane	4 ug/L
							1,1,2,2-Tetrachloroethane	4 ug/L
							1,1,2-Trichloroethane	4 ug/L
							1,1-Dichloroethane	4 ug/L
							1,1-Dichloroethene	4 ug/L
							1,1-Dichloropropene	4 ug/L
							1,2,3-Trichlorobenzene	4 ug/L
							1,2,3-Trichloropropane	4 ug/L
							1,2,4-Trichlorobenzene	4 ug/L
							1,2,4-Trimethylbenzene	4 ug/L
							1,2-Dibromo-3-Chloropropane	4 ug/L
							1,2-Dibromoethane	4 ug/L
							1,2-Dichlorobenzene	4 ug/L
							1,2-Dichloroethane	4 ug/L
							1,2-Dichloropropane	4 ug/L
							1,3,5-Trimethylbenzene	4 ug/L
							1,3-Dichlorobenzene	4 ug/L
							1,3-Dichloropropane	4 ug/L
							1,4-Dichlorobenzene	4 ug/L
							2,2-Dichloropropane	4 ug/L
							2-Chlorotoluene	4 ug/L
							4-Chlorotoluene	4 ug/L
							4-Isopropyltoluene	4 ug/L
							Benzene	4 ug/L
							Bromobenzene	4 ug/L
							Bromodichloromethane	4 ug/L
							Bromoform	4 ug/L
							Carbon tetrachloride	4 ug/L
							Chlorobenzene	4 ug/L
							Chlorobromomethane	4 ug/L
							Chloroform	4 ug/L
							cis-1,2-Dichloroethene	4 ug/L
							cis-1,3-Dichloropropene	4 ug/L
							Dibromochloromethane	4 ug/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	4 ug/L
							Ethylbenzene	4 ug/L
							Hexachlorobutadiene	4 ug/L
							Isopropylbenzene	4 ug/L
							m-Xylene & p-Xylene	8 ug/L
							Methylene Chloride	4 ug/L
							n-Butylbenzene	4 ug/L
							N-Propylbenzene	4 ug/L
							Naphthalene	4 ug/L
							o-Xylene	4 ug/L
							sec-Butylbenzene	4 ug/L
							Styrene	4 ug/L
							tert-Butylbenzene	4 ug/L
							Tetrachloroethene	4 ug/L
							Toluene	4 ug/L
							trans-1,2-Dichloroethene	4 ug/L
							trans-1,3-Dichloropropene	4 ug/L
							Trichloroethene	4 ug/L
							1,2,3-Trimethylbenzene	4 ug/L
							1,3,5-Trichlorobenzene	4 ug/L
							1,3-Diethylbenzene	4 ug/L
							1,4-Dioxane	50 ug/L
							1-Chlorohexane	4 ug/L
							2-Chloro-1,3-butadiene	4 ug/L
							2-ethoxy-2-methyl butane	4 ug/L
							2-Methyl-2-propanol	20 ug/L
							2-Methylnaphthalene	4 ug/L
							2-Nitropropane	20 ug/L
							3-Chloro-1-propene	4 ug/L
							Acrylonitrile	10 ug/L
							Benzyl chloride	4 ug/L
							Carbon disulfide	4 ug/L
							Cyclohexane	4 ug/L
							Ethyl methacrylate	4 ug/L
							Freon 113	4 ug/L
							Hexane	4 ug/L
							Iodomethane	4 ug/L
							Isobutyl alcohol	50 ug/L
							Isopropyl alcohol	20 ug/L
							Isopropyl ether	4 ug/L
							Methacrylonitrile	10 ug/L
							Methyl acetate	4 ug/L
							Methyl methacrylate	4 ug/L
							Methyl tertiary butyl ether	4 ug/L
							Methylcyclohexane	4 ug/L
							n-Butanol	50 ug/L
							n-Heptane	4 ug/L
							o-diethylbenzene	4 ug/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Diethylbenzene	4 ug/L
							Pentane	4 ug/L
							Propionitrile	20 ug/L
							Tert-amyl methyl ether	4 ug/L
							Tert-butyl ethyl ether	4 ug/L
							Tetrahydrofuran	20 ug/L
							trans-1,4-Dichloro-2-butene	10 ug/L
					MSV_CCV_VOC#3_00112	3.2 uL	Acrolein	39.9974 ug/L
							2-Butanone	8 ug/L
							2-Hexanone	8 ug/L
							4-Methyl-2-pentanone	8 ug/L
							Acetone	8 ug/L
.MSV_CCV_2CEVE_00107	03/21/23	02/19/23	Methanol, Lot EB679	5 mL	MSV_V_2CLEVE_00111	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00111	04/30/25		Restek, Lot A0184487		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00005	06/23/23	01/23/23	50/50 MeOH/Water, Lot EB679	200 mL	MSV_VCYC_STK_00009	9.615 mL	Cyclohexanone	6249.75 ug/mL
..MSV_VCYC_STK_00009	06/23/23	01/23/23	50/50 MeOH/Water, Lot EB679	10 mL	MSV_CYC_00008	1.3 g	Cyclohexanone	130000 ug/mL
...MSV_CYC_00008	06/30/25		Chem Service, Lot 13529800		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_EE_00004	05/17/23	11/17/22	Methanol, Lot EB679	50 mL	MSV_EE_MISCSK_00011	1.067 mL	Ethyl ether	999.992 ug/mL
..MSV_EE_MISCSK_00011	05/17/23	11/17/22	Methanol, Lot EB679	10 mL	MSV_EE_Neat_00008	0.4686 g	Ethyl ether	46860 ug/mL
...MSV_EE_Neat_00008	12/31/25		Chem Service, Lot 1326900		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_CCV_GASES_00394	02/27/23		Restek, Lot A0184815		(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_00111	03/21/23	02/19/23	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00112	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-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_00108	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00112	03/21/23		Restek, Lot A0184527		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00108	03/21/23		Restek, Lot A0186885		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00112	03/21/23	02/19/23	Methanol, Lot EB679	5 mL	MSV_CCV_ACR_00009	0.5 mL	Acrolein	12499.2 ug/mL
					MSV_V_Ketones_00100	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_00009	04/10/23	02/09/23	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00031	9.205 mL	Acrolein	124992 ug/mL
...MSV_VACR_STK_00031	04/10/23	02/09/23	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00024	1.4648 g	Acrolein	135787 ug/mL
....MSV_ACROLEIN_00024	11/30/23	Chem Service, Lot 13910600			(Purchased Reagent)		Acrolein	0.927 g/g
..MSV_V_Ketones_00100	01/31/25	Restek, Lot A0180742			(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_00107	03/21/23	02/19/23	Methanol, Lot EB679	5 mL	MSV_V_2CLEVE_00111	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00111	04/30/25	Restek, Lot A0184487			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00005	06/23/23	01/23/23	50/50 MeOH/Water, Lot EB679	200 mL	MSV_VCYC_STK_00009	9.615 mL	Cyclohexanone	6249.75 ug/mL
.MSV_VCYC_STK_00009	06/23/23	01/23/23	50/50 MeOH/Water, Lot EB679	10 mL	MSV_CYC_00008	1.3 g	Cyclohexanone	130000 ug/mL
..MSV_CYC_00008	06/30/25	Chem Service, Lot 13529800			(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_EE_00004	05/17/23	11/17/22	Methanol, Lot EB679	50 mL	MSV_EE_MISCSK_00011	1.067 mL	Ethyl ether	999.992 ug/mL
.MSV_EE_MISCSK_00011	05/17/23	11/17/22	Methanol, Lot EB679	10 mL	MSV_EE_Neat_00008	0.4686 g	Ethyl ether	46860 ug/mL
..MSV_EE_Neat_00008	12/31/25	Chem Service, Lot 1326900			(Purchased Reagent)		Ethyl ether	1 g/g
MSV_CCV_GASES_00394	02/27/23	Restek, Lot A0184815			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_00406	03/09/23		Restek, Lot A0184815		(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_00111	03/21/23	02/19/23	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00112	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
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	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_00108	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
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00112	03/21/23		Restek, Lot A0184527		(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
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00108	03/21/23		Restek, Lot A0186885		(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
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_CCV_VOC#1_00113	03/30/23	03/01/23	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00114	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_00110	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_00114	03/30/23		Restek, Lot A0184527		(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
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-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_00110	03/30/23		Restek, Lot A0186885		(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_00112	03/21/23	02/19/23	Methanol, Lot EB679	5 mL	MSV_CCV_ACR_00009	0.5 mL	Acrolein	12499.2 ug/mL
					MSV_V_Ketones_00100	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_00009	04/10/23	02/09/23	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00031	9.205 mL	Acrolein	124992 ug/mL
..MSV_VACR_STK_00031	04/10/23	02/09/23	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00024	1.4648 g	Acrolein	135787 ug/mL
...MSV_ACROLEIN_00024	11/30/23		Chem Service, Lot 13910600		(Purchased Reagent)		Acrolein	0.927 g/g
.MSV_V_Ketones_00100	01/31/25		Restek, Lot A0180742		(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_00114	03/30/23	03/01/23	Methanol, Lot EB679	5 mL	MSV_V_Ketones_00102	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
.MSV_V_Ketones_00102	03/30/23		Restek, Lot A0180742		(Purchased Reagent)		2-Butanone	12500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_HP20_ISSS_00096	07/27/23	01/27/23	Methanol, Lot EB679	10 mL	MSV_8260_SS_00835	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_00533	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_00835	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_00533	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_00097	08/27/23	02/28/23	Methanol, Lot EB679	10 mL	MSV_Cus826_IS_00539	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_00539	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_00097	08/27/23	02/28/23	Methanol, Lot EB679	10 mL	MSV_8260_SS_00851	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_00851	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_00129	02/26/23	02/19/23	Methanol, Lot EB679	25 mL	MSV_QC_2K_GAS_00185	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_00185	02/26/23		Restek, Lot A0184924		(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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_LCS_Gases_00131	03/08/23	03/01/23	Methanol, Lot EB679	25 mL	MSV_QC_2K_GAS_00187	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_00187	03/08/23		Restek, Lot A0184924		(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_00096	03/21/23	02/19/23	Methanol, Lot EB679	25 mL	MSV_M_MIX1SEC_00117	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_00116	1 mL	Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Freon 113	40 ug/mL
							Methyl acetate	40 ug/mL
							Methyl tertiary butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
					MSV_Q_Ketones_00116	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_00117	04/30/25		Restek, Lot A0184354		(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_00116	04/30/25		Restek, Lot A0184412		(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_00116	04/30/25		Restek, Lot A0184721		(Purchased Reagent)		2-Butanone	12500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00098	03/30/23	03/01/23	Methanol, Lot EB679	25 mL	MSV_M_MIX1SEC_00120	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_00118	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_00118	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_00120	04/30/25		Restek, Lot A0184354		(Purchased Reagent)		1,1,1-Trichloroethane	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-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_00118	04/30/25		Restek, Lot A0184412		(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_00118	01/31/24		Restek, Lot A0184721		(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_00011							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Total Diethylbenzene	
							Xylenes, Total	
					MSV_VBFB_STK_00009	0.127 mL	BFB	50.1498 ug/mL
.MSV_VBFB_STK_00009	06/18/23	12/18/22	Methanol, Lot EB679	10 mL	MSV_4BFB_NEAT_00007	0.9872 g	BFB	98720 ug/mL
..MSV_4BFB_NEAT_00007	02/28/25		Chem Service, Lot 13233000		(Purchased Reagent)		BFB	1 g/g
OP_MINIBNA_SS_00080	06/09/23	02/08/23	Methanol, Lot 221032	1000 mL	OP_BNA_SS_00049	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_00049	06/09/23	12/08/22	Methanol, Lot 221032	2000 mL	OP_BNA_STK_00048	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_00048	10/31/24		Agilent, Lot 0006703210		(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_00153	03/18/23	02/17/23	ACETONE, Lot EE460-US	100 mL	OP_LCS1_MS_00053	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Hexachlorocyclopentadiene	12500 ppb

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00053	03/18/23	02/17/23	Acetone, Lot EE460-US	400 mL	OP_RES_LCS1_00010	20 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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Indeno[1,2,3-cd]pyrene	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	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_00003	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_00010	12/31/23		Restek, Lot A0186002		(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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	02/09/24		Restek, Lot A0188589		(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_00003	02/28/26		Restek, Lot A0194427		(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_00087	03/21/23	02/20/23	ACETONE, Lot EE460-US	100 mL	OP_LCS 2_MS_00042	25 mL	Atrazine	12500 ppb
							Benzaldehyde	12500 ppb
							Caprolactam	12500 ppb
.OP_LCS 2_MS_00042	03/21/23	02/20/23	ACETONE, Lot EE460-US	400 mL	OP_LCSmix2stk_00005	10 mL	Atrazine	50000 ppb
							Benzaldehyde	50000 ppb
							Caprolactam	50000 ppb
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
OP_SIMLCS_MS_00086	03/18/23	02/17/23	ACETONE, Lot EE460-US	100 mL	OP_B(E)P_STK_00010	0.1 mL	Benzo[e]pyrene	1078 ppb
					OP_LCS1_MS_00053	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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					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_00053	03/18/23	02/17/23	Acetone, Lot EE460-US	400 mL	OP_RES_LCS1_00010	20 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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	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_00003	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_00010	12/31/23		Restek, Lot A0186002		(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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	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
							Hexachloroethane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	02/09/24		Restek, Lot A0188589		(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_00003	02/28/26		Restek, Lot A0194427		(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_00005

RESTEK® CERTIFIED REFERENCE MATERIAL

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

Catalog No. : 571995.SEC **Lot No.:** A0180323

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 : July 31, 2023 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Gravimetric (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane	1,005.5 µg/mL	+/-	5.8596	µg/mL Gravimetric
	CAS # 123-91-1.SEC	(Lot KLE2K)	+/-	12.0264	µg/mL Unstressed
	Purity 99%		+/-	19.1335	µg/mL Stressed
2	N-Nitrosodimethylamine	1,008.0 µg/mL	+/-	5.8741	µg/mL Gravimetric
	CAS # 62-75-9.SEC	(Lot 71L89)	+/-	12.0563	µg/mL Unstressed
	Purity 99%		+/-	19.1811	µg/mL Stressed
3	Pyridine	2,001.5 µg/mL	+/-	11.6638	µg/mL Gravimetric
	CAS # 110-86-1.SEC	(Lot QN8DK)	+/-	23.9391	µg/mL Unstressed
	Purity 99%		+/-	38.0862	µg/mL Stressed
4	Phenol	1,002.8 µg/mL	+/-	5.8435	µg/mL Gravimetric
	CAS # 108-95-2.SEC	(Lot EDPYN)	+/-	11.9935	µg/mL Unstressed
	Purity 99%		+/-	19.0811	µg/mL Stressed
5	Aniline	1,005.8 µg/mL	+/-	5.8610	µg/mL Gravimetric
	CAS # 62-53-3.SEC	(Lot ZCD3N)	+/-	12.0294	µg/mL Unstressed
	Purity 99%		+/-	19.1382	µg/mL Stressed
6	Bis(2-chloroethyl)ether	1,005.8 µg/mL	+/-	5.8610	µg/mL Gravimetric
	CAS # 111-44-4.SEC	(Lot FA01043)	+/-	12.0294	µg/mL Unstressed
	Purity 99%		+/-	19.1382	µg/mL Stressed
7	n-Decane (C10)	1,004.3 µg/mL	+/-	5.8523	µg/mL Gravimetric
	CAS # 124-18-5.SEC	(Lot UCVNN)	+/-	12.0114	µg/mL Unstressed
	Purity 99%		+/-	19.1097	µg/mL Stressed

Reagent

MSS_8270_SURR_00004

Certificate of Analysis

EPA 8270 Surrogate Standard

Certified Reference Material

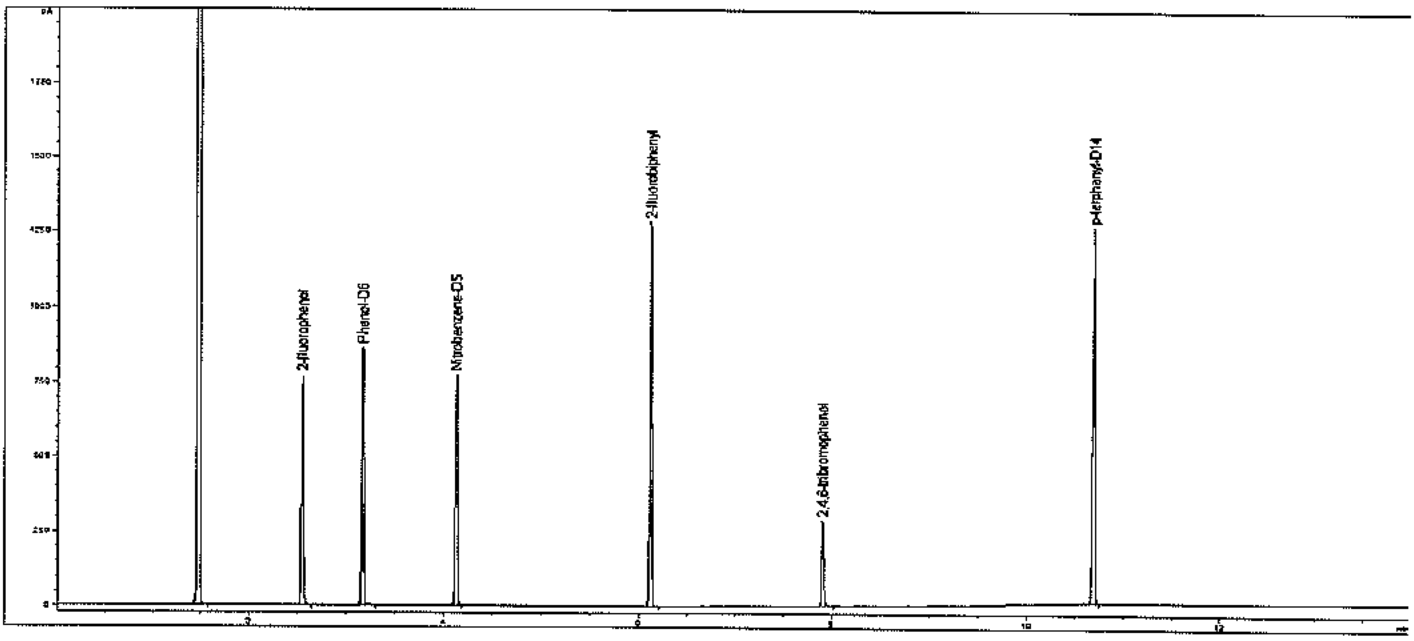
Description

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

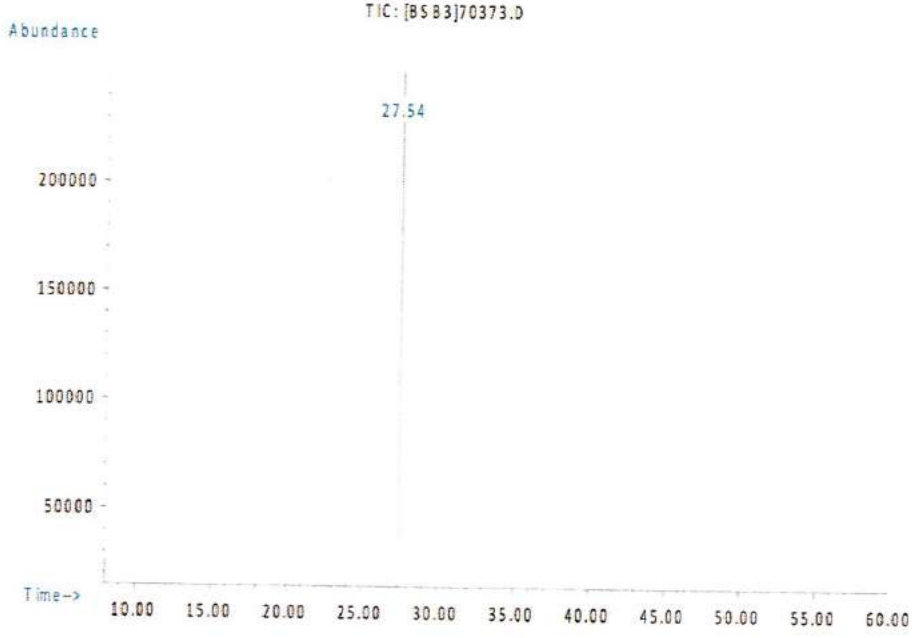
Solvent:	Lot#
Methanol	DV182-US

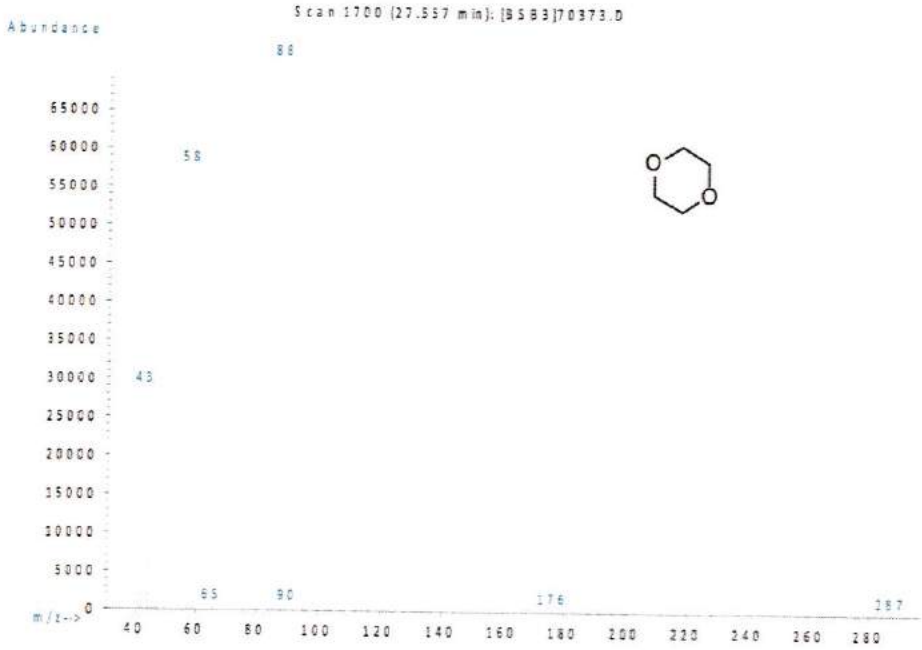
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

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.





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- 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_00008

Absolute Standards, Inc.
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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

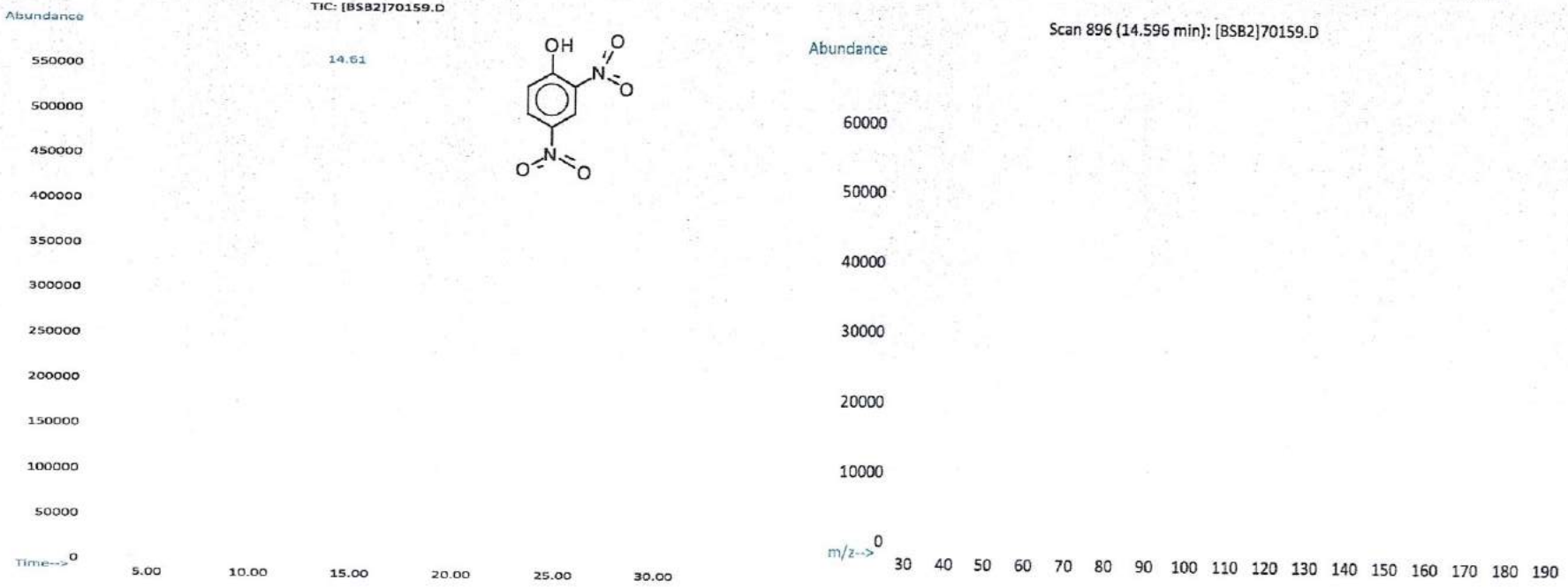
Expiration Date: 120925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 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.



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Reagent

MSS_AB_46D2MP_00005

Absolute Standards, Inc.
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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

Solvent(s): **Lot#**
Methanol DV182-US

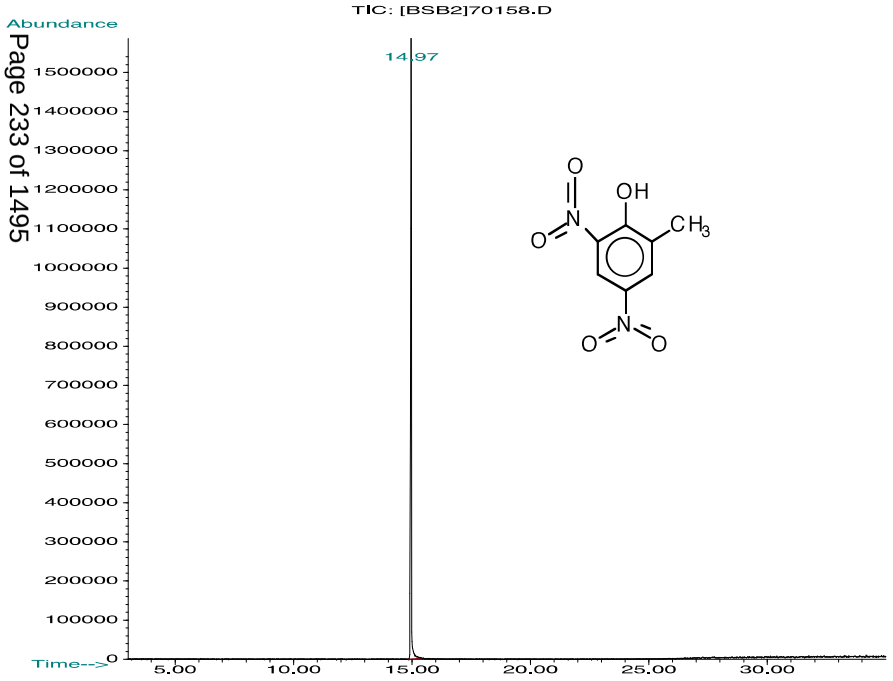
Expiration Date: 111924
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

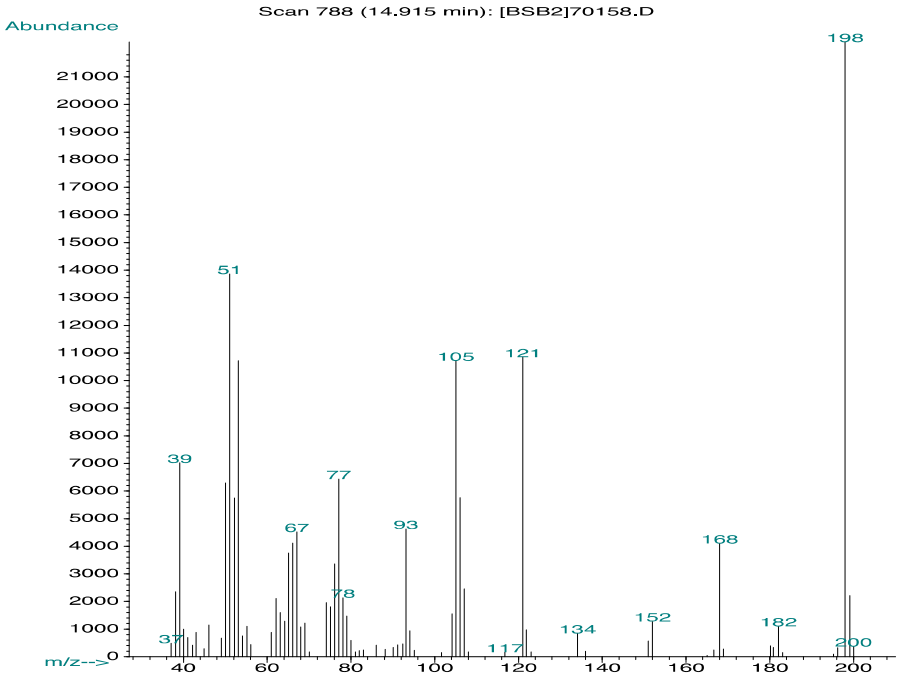
Weight(s) shown below were combined and diluted to (mL): 50.0 | 0.007 Flask Uncertainty | 5E-05 Balance Uncertainty

Justin Dippold	111919
Formulated By: Justin Dippold	DATE
Pedro Rentas	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/m3/8H (skin)	orl-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.





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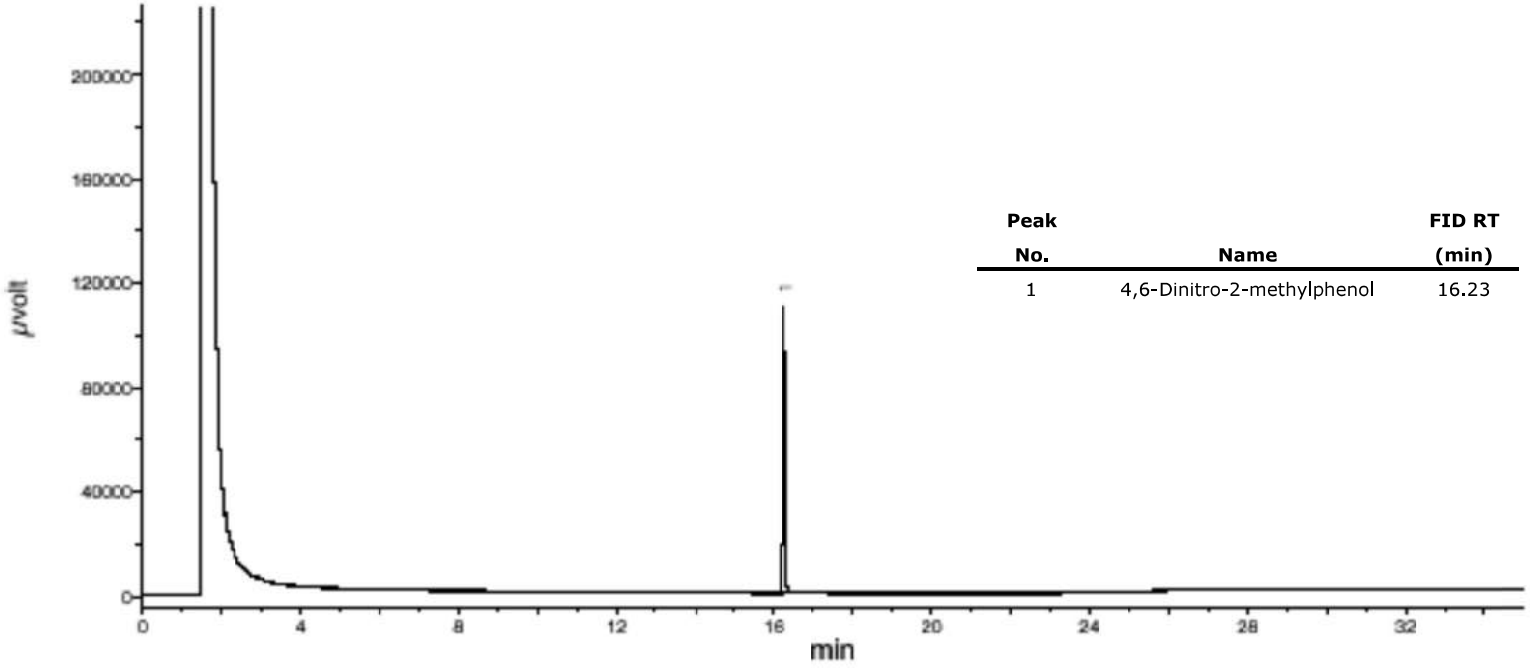
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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_00005

CERTIFIED WEIGHT REPORT

Part Number: 70231
Lot Number: 072418
Description: 4-Nitrophenol

Solvent(s): Methanol **Lot#** DS526

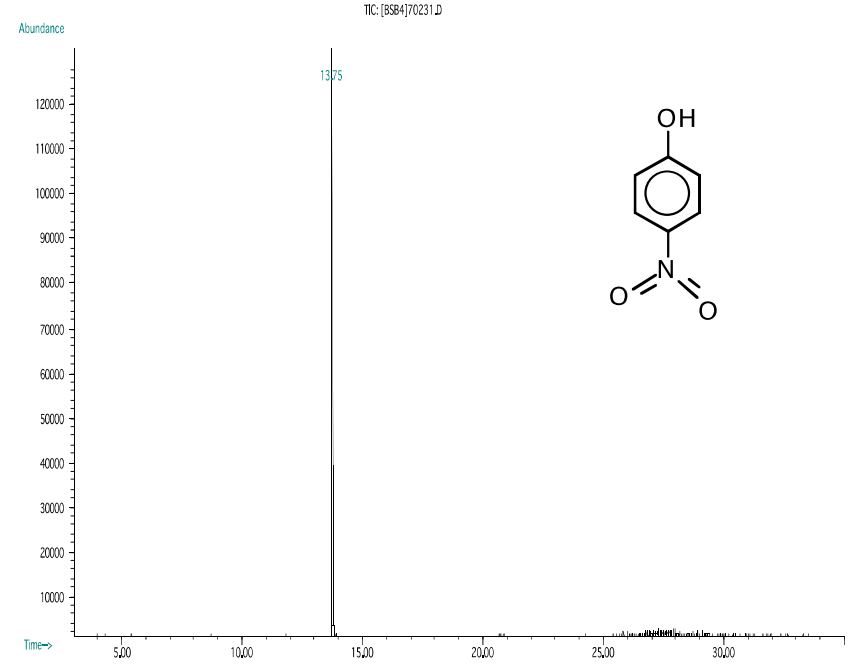
Expiration Date: 072423
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.001 Flask Uncertainty

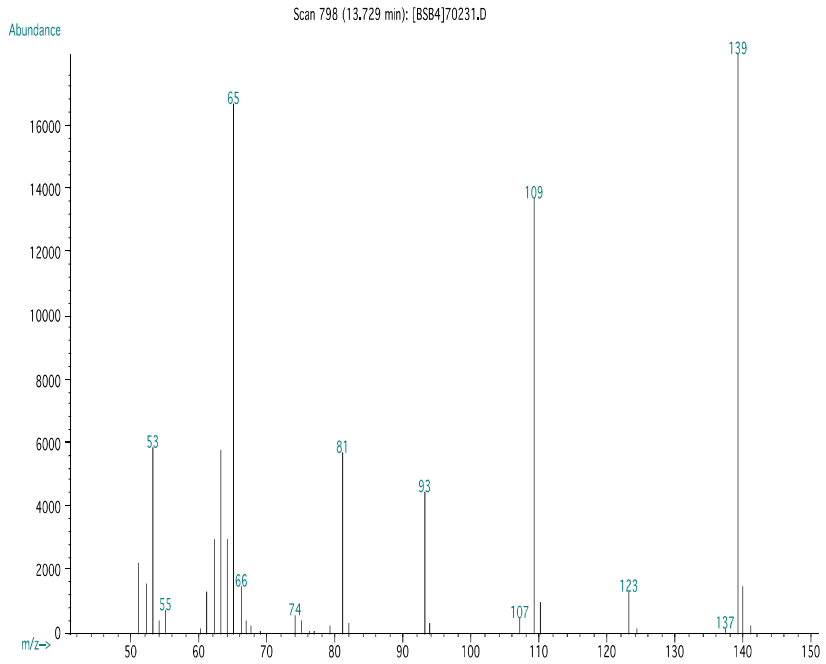
Formulated By: Eli Aliaga 072418 DATE

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.





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Reagent

MSS_AB_B2CEE_00003

CERTIFIED WEIGHT REPORT

Part Number: 70075
Lot Number: 032318
Description: bis(2-Chloroethyl) ether

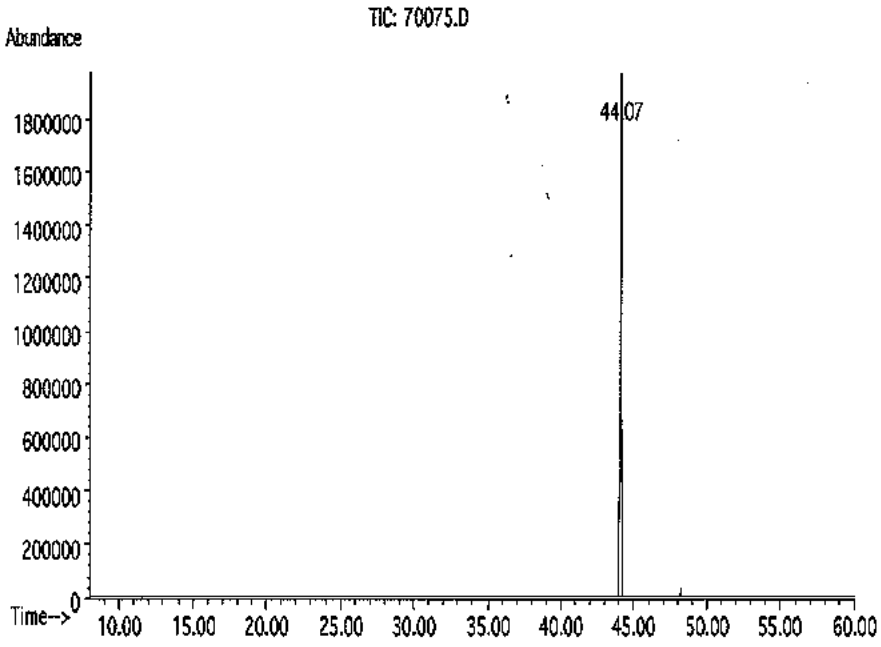
Solvent(s): Methanol **Lot#** DS435

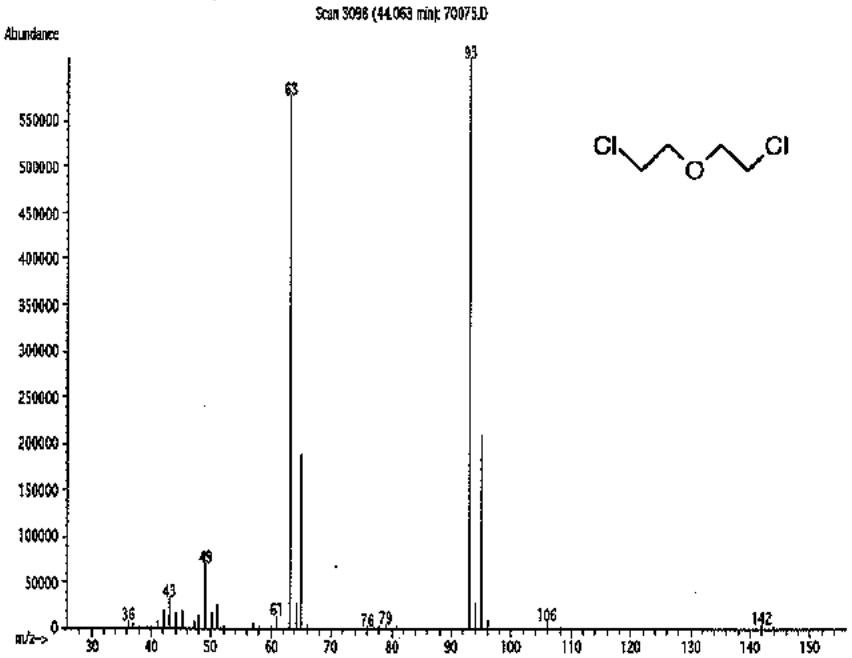
Expiration Date: 032323
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2506734D 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.007 Flask Uncertainty

		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/m3/8H)(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.





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Reagent

MSS_AB_BZIDIN_00011

Absolute Standards, Inc.
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 43124
Lot Number: 102722
Description: Benzidine

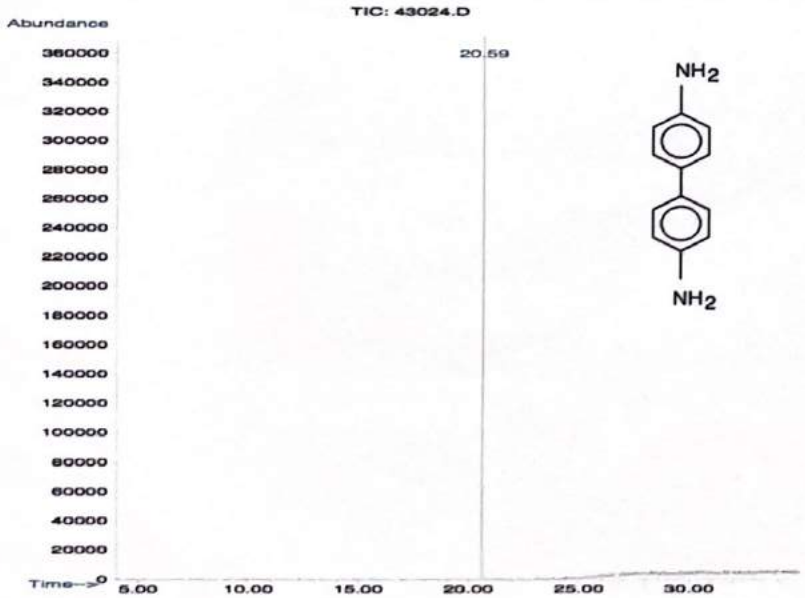
Solvent: Methylene chloride Lot# C21F09CAS0000DCM

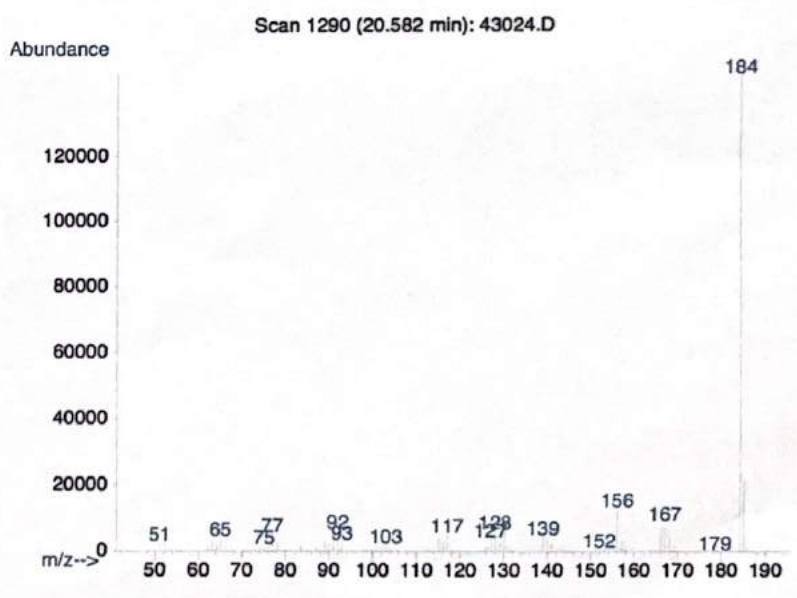
Expiration Date: 102725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Formulated By:	Prashant Chauhan	102722 DATE
Reviewed By:	Pedro L. Rentas	102722 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	0.15314	0.15324	5003.1	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.





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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

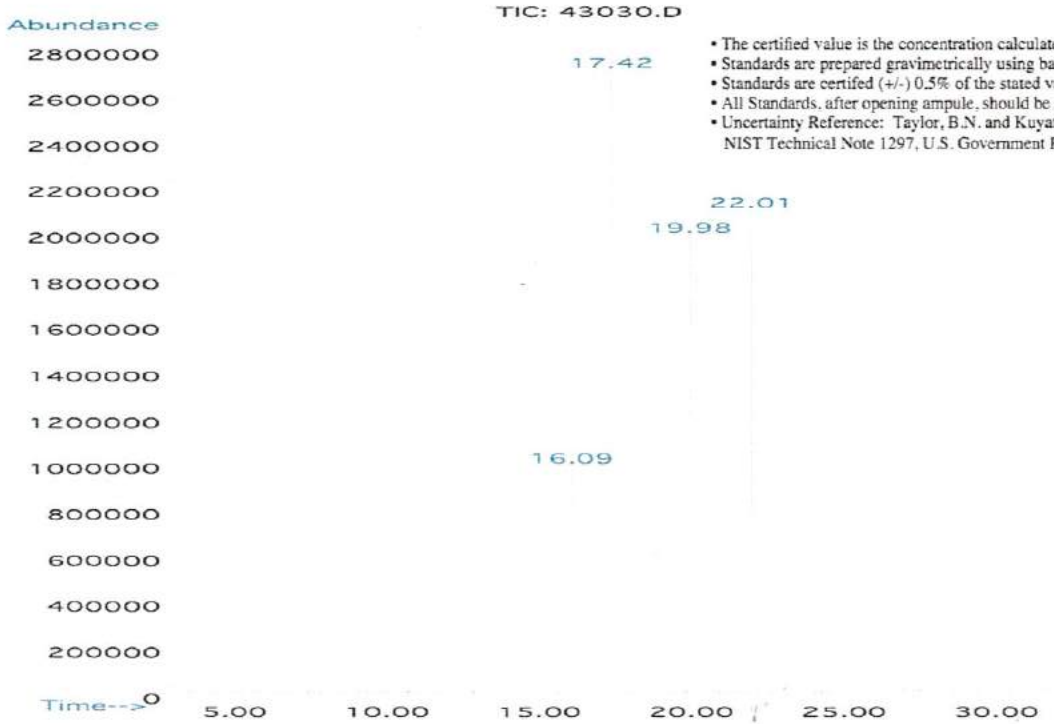
Formulated By:	Prashant Chauhan	052421 DATE
Reviewed By:	Pedro L. Rentas	052421 DATE

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.



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Retention Time (min.)

Pentachlorophenol	16.09
Decafluorotriphenylphosphine	17.42
Benzidine	19.98
4,4'-DDT	22.01

Reagent

MSS_AB_HCB_00009

03/03/2023

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

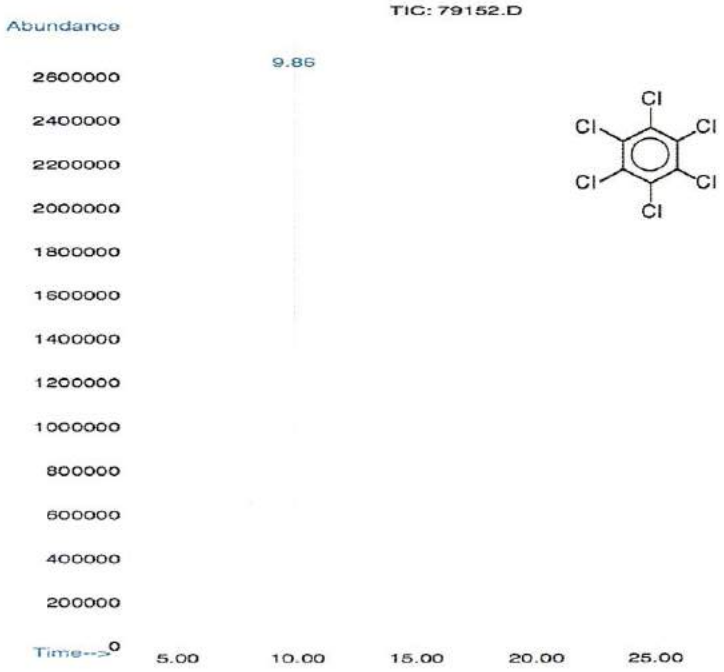
Solvent(s): **Lot#**
Methylene chloride 105345

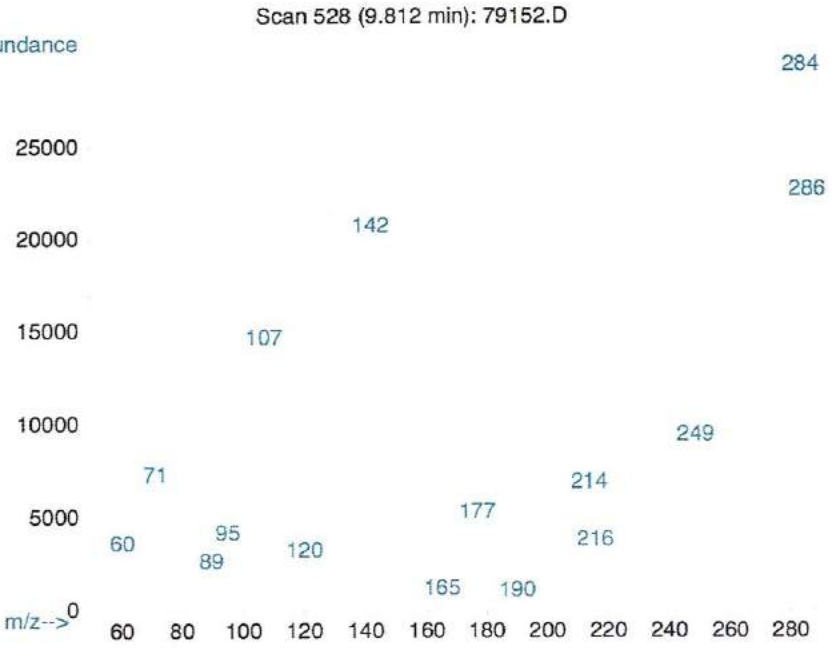
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

	062321	
Formulated By:	Prashant Chauhan	DATE
	062321	
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	0.03032	0.03045	1004.3	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 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

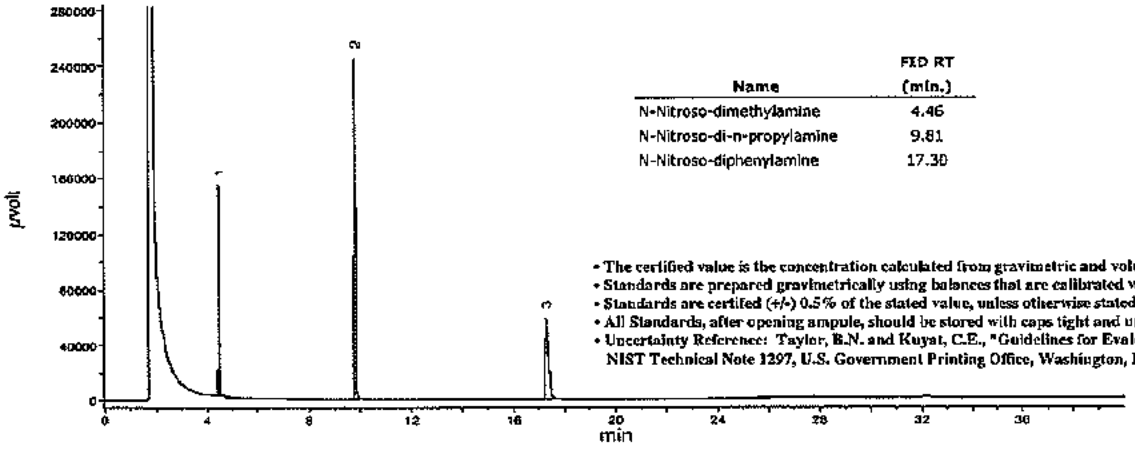
Solvent(s): **Lot#**
Methanol DX932-US

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

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- 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

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

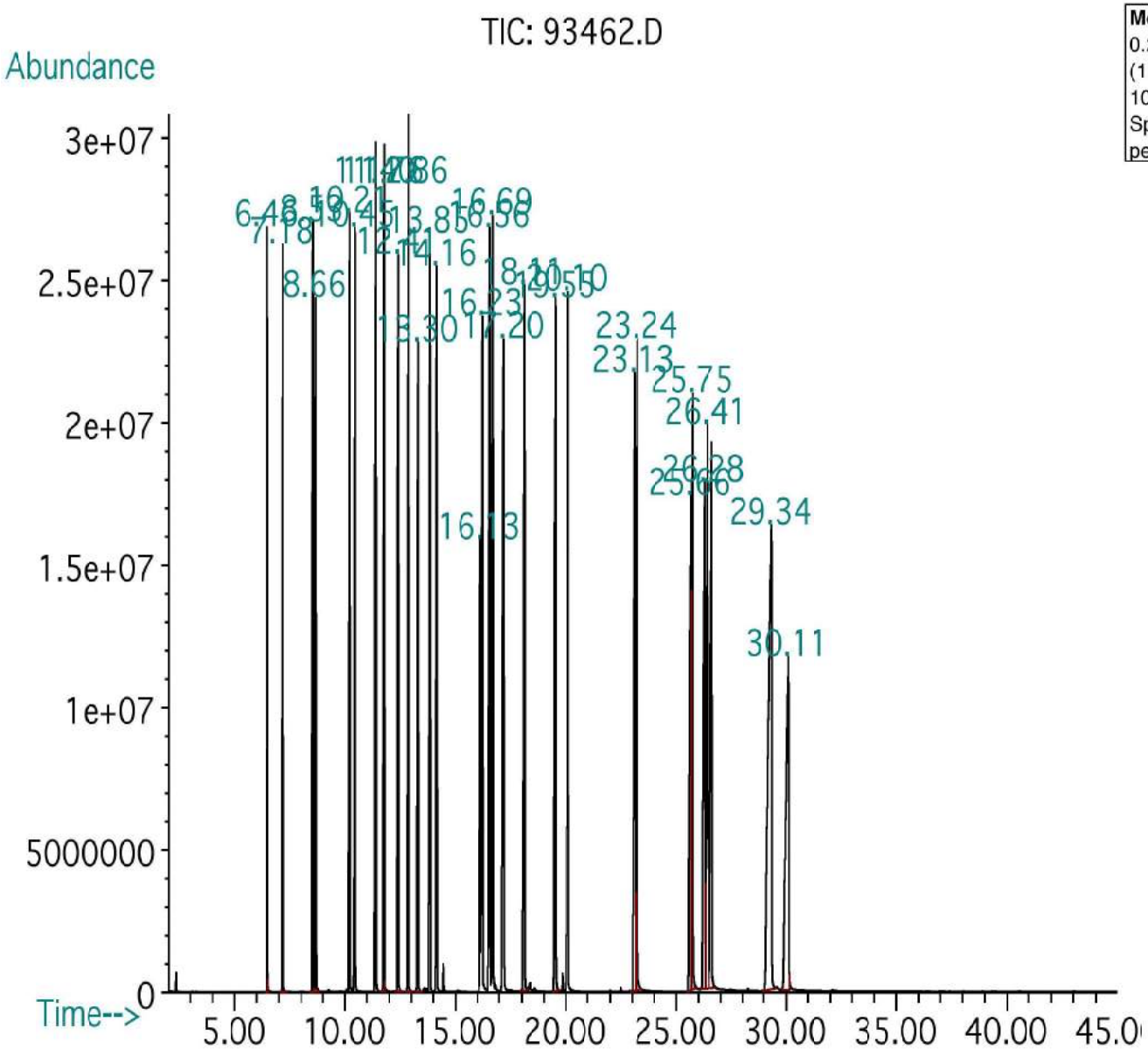
Solvent(s):	**Lot#**
Methylene chloride	76782

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.

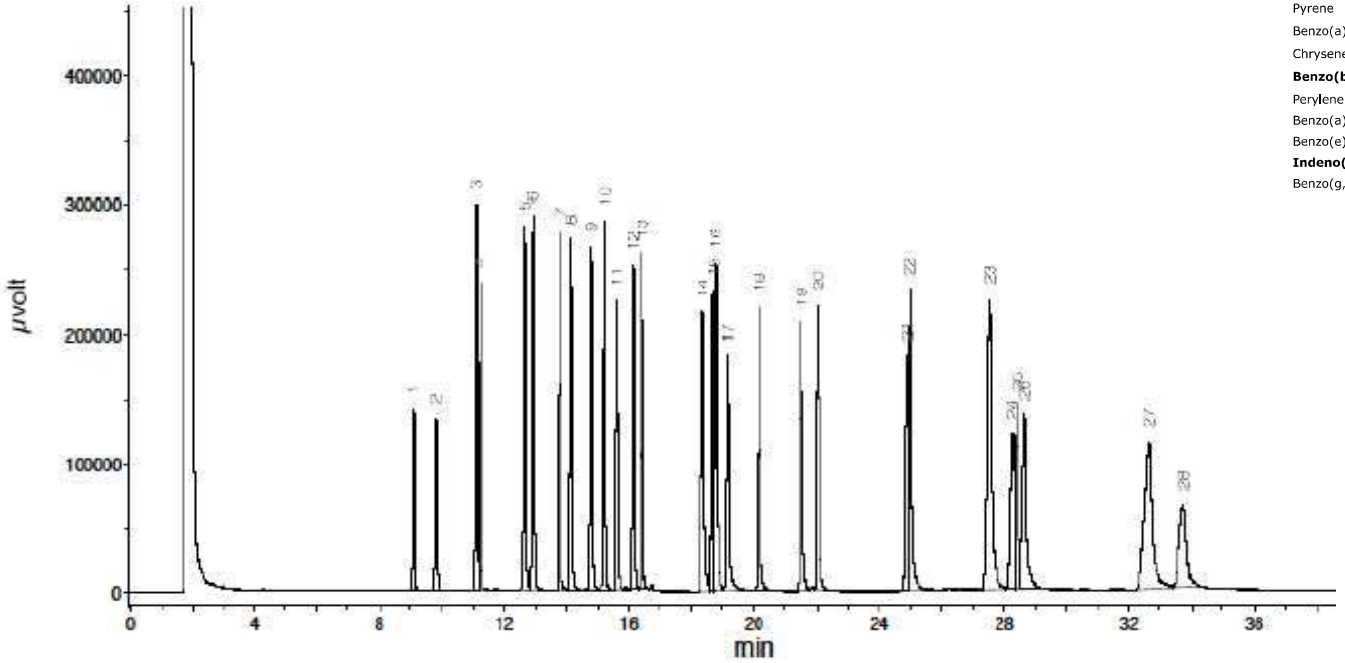
Retention Time (min.)	
Decahydronaphthalene (Decalin) (isomer)	6.46
Decahydronaphthalene (Decalin) (isomer)	7.18
Naphthalene	8.53
Thianaphthene	8.66
2-Methylnaphthalene	10.21
1-Methylnaphthalene	10.45
Biphenyl	11.4
2,6-Dimethylnaphthalene	11.76
Acenaphthylene	12.41
Acenaphthene	12.86
Dibenzofuran	13.3
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_00005

03/03/2023

CERTIFIED WEIGHT REPORT

Part Number:	**79261**	**Solvent(s):**	**Lot#**	
Lot Number:	062222	Acetone	81025	
Description:	Pentachlorophenol			
Expiration Date:	062227			
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):	50.0	0.006	Flask Uncertainty	

		062222
Formulated By:	Benson Chan	DATE
		062222
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	0.05106	0.05112	1001.1	4.5	87-86-5	0.5mg/m3/8H (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.
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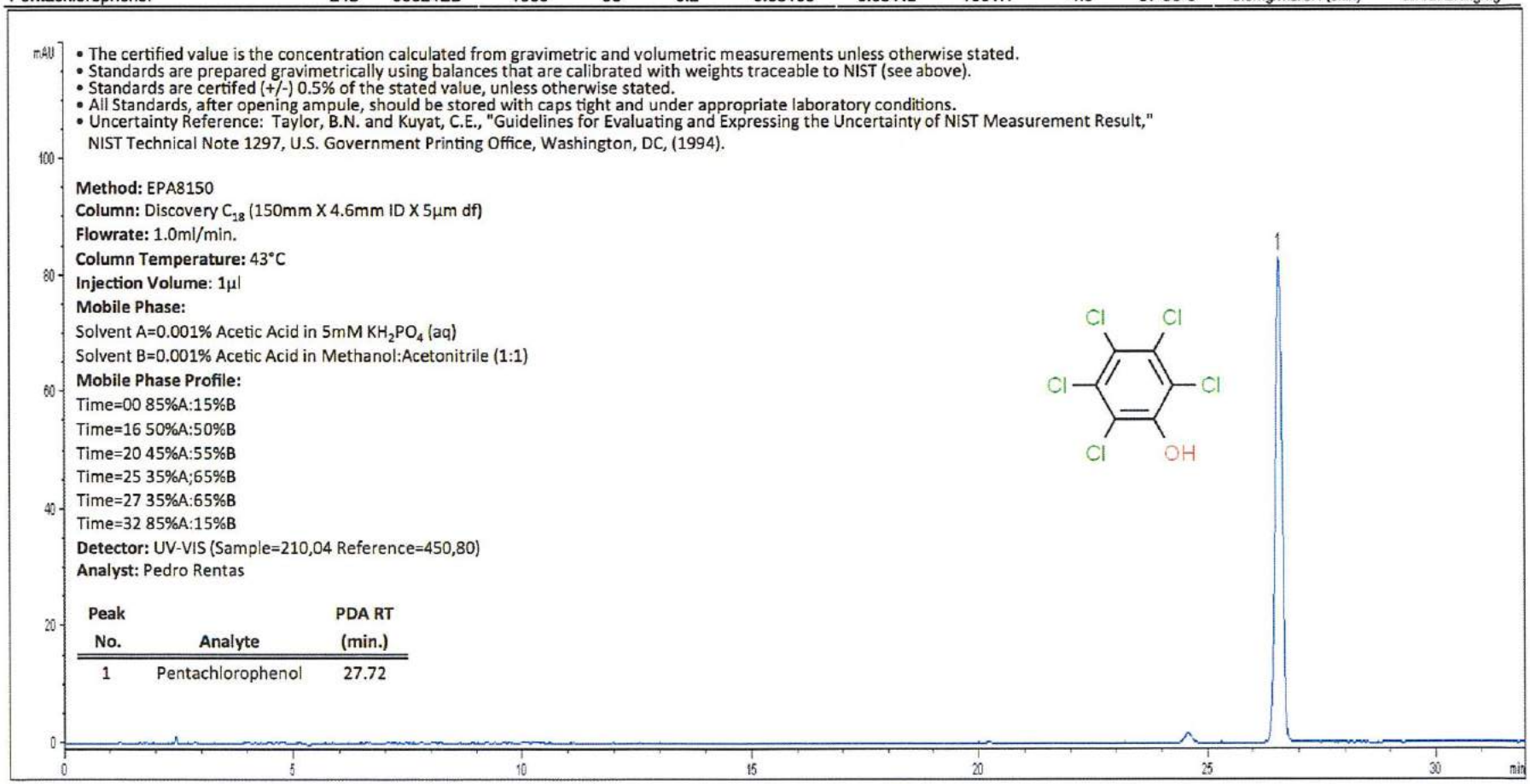
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method: EPA8150
Column: Discovery C_{18} (150mm X 4.6mm ID X 5µm df)
Flowrate: 1.0ml/min.
Column Temperature: 43°C
Injection Volume: 1µl
Mobile Phase:
Solvent A=0.001% Acetic Acid in 5mM KH_2PO_4 (aq)
Solvent B=0.001% Acetic Acid in Methanol:Acetonitrile (1:1)
Mobile Phase 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: UV-VIS (Sample=210,04 Reference=450,80)
Analyst: Pedro Rentas

Peak No.	Analyte	PDA RT (min.)
1	Pentachlorophenol	27.72



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Reagent

MSS_AB_PHTHAL_00008

CERTIFIED WEIGHT REPORT

Part Number: 19242
Lot Number: 061821
Description: EPA Method 606 - Phthalate Esters
6 components
Expiration Date: 061824
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

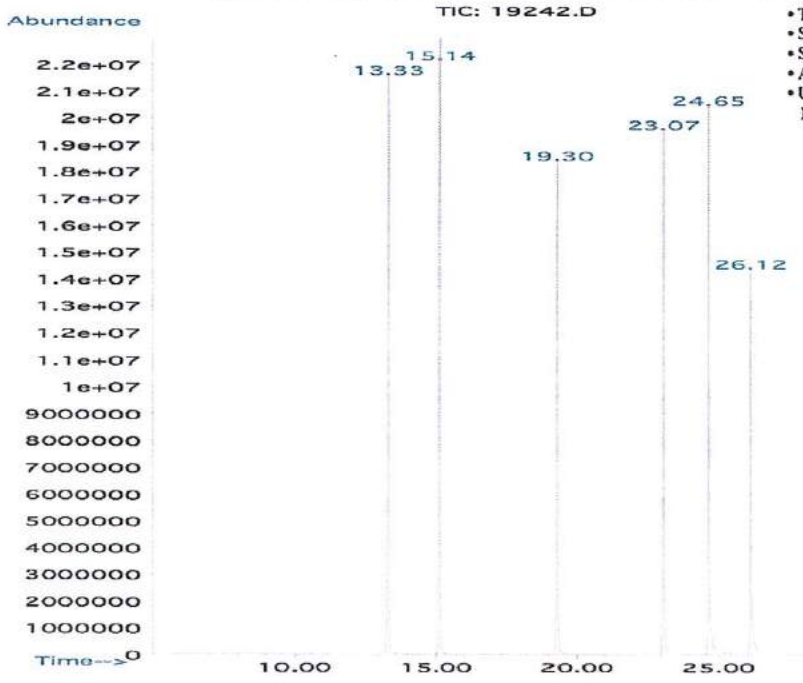
Solvent(s):	Lot#
Methanol	DY186-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.000 Flask Uncertainty

Formulated By:	Benson Chan	061821 DATE
Reviewed By:	Pedro L. Rentas	061821 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-Ethylhexyl) phthalate	179	MKCD5517	2000	99.6	0.2	0.05029	0.05054	2010.0	9.0	117-81-7	5mg/m3/8H	orl-rat 30000mg/kg
2. Di-n-butyl phthalate	58	09119LX	2000	99	0.2	0.05059	0.05081	2008.6	9.0	84-74-2	5mg/m3/8H	orl-rat 8000mg/kg
3. Dimethyl phthalate	157	07416AT	2000	99	0.2	0.05059	0.05085	2010.2	9.0	131-11-3	5mg/m3/8H	orl-rat 6800mg/kg
4. Benzyl butyl phthalate	36	MKBH8959V	2000	98	0.2	0.05111	0.05125	2005.5	9.1	85-68-7	N/A	orl-rat 2330mg/kg
5. Diethyl phthalate	154	10517MW	2000	99	0.2	0.05059	0.05078	2007.4	9.0	84-66-2	5mg/m3/8H	orl-rat 8600mg/kg
6. Di-n-octyl phthalate	107	FIE01	2000	99	0.2	0.05059	0.05075	2006.2	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.



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- 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).

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

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

Solvent(s): **Lot#**
Methylene chloride 104929

Expiration Date: 061823
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

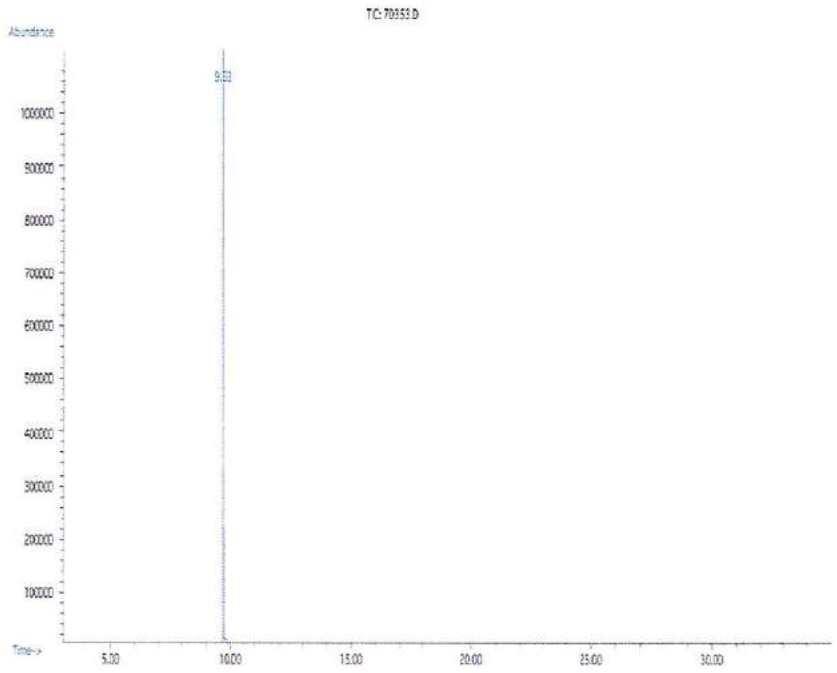
5E-05 Balance Uncertainty
0.003 Flask Uncertainty

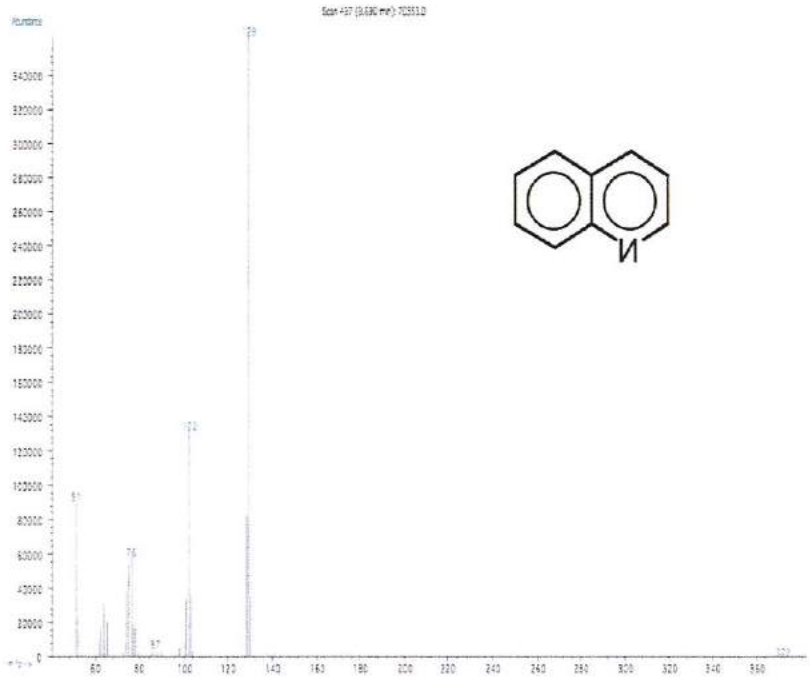
Weight(s) shown below were combined and diluted to (mL): 100.0

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Composition

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. : 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)

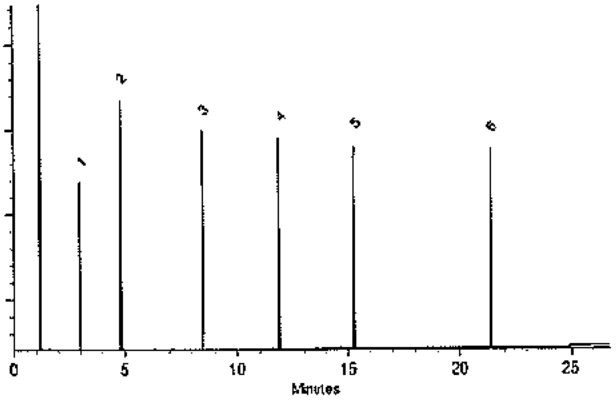
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

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

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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

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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)

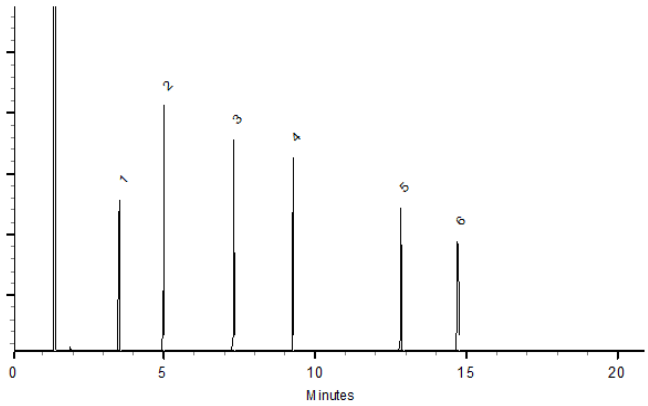
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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CERTIFICATE OF ANALYSIS

4-Bromofluorobenzene

CATALOG NUMBER	N-10809-1G
LOT NUMBER	13233000
DATE CERTIFIED	05/12/22
EXPIRATION DATE	05/31/25
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
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
% PURITY (GC/FID)	99.5
GC/MS SPECTRA ID	MATCHES NIST LIBRARY

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

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

COA Form
Revision 3 (3/2015)

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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0522\FID010615.D

Sample name: N-10809

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	5/12/2022 11:36:15 AM	**Location:**	Vial 43
Acq. method:	MIX1.M	**Injection volume:**	1.0uL
Column name:	DB-624 (30m x 0.53mm x 3.0um)		

Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
11.078	BB	0.0355	7895.3311	3478.6162	100.0000
		Sum	7895.3311		

Reagent

MSV_CYC_00008

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CERTIFICATE OF ANALYSIS

Cyclohexanone

CATALOG NUMBER	N-11531-1G
LOT NUMBER	13529800
DATE CERTIFIED	06/20/22
EXPIRATION DATE	06/30/27
CAS NUMBER	108-94-1
MOLECULAR FORMULA	C6H10O
MOLECULAR WEIGHT	98.16
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
PHYSICAL APPEARANCE	COLORLESS LIQUID
GC/MS SPECTRA ID	MATCHES NIST

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

COA Form
Revision 3 (3/2015)

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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:

Kristin R Jones

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info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

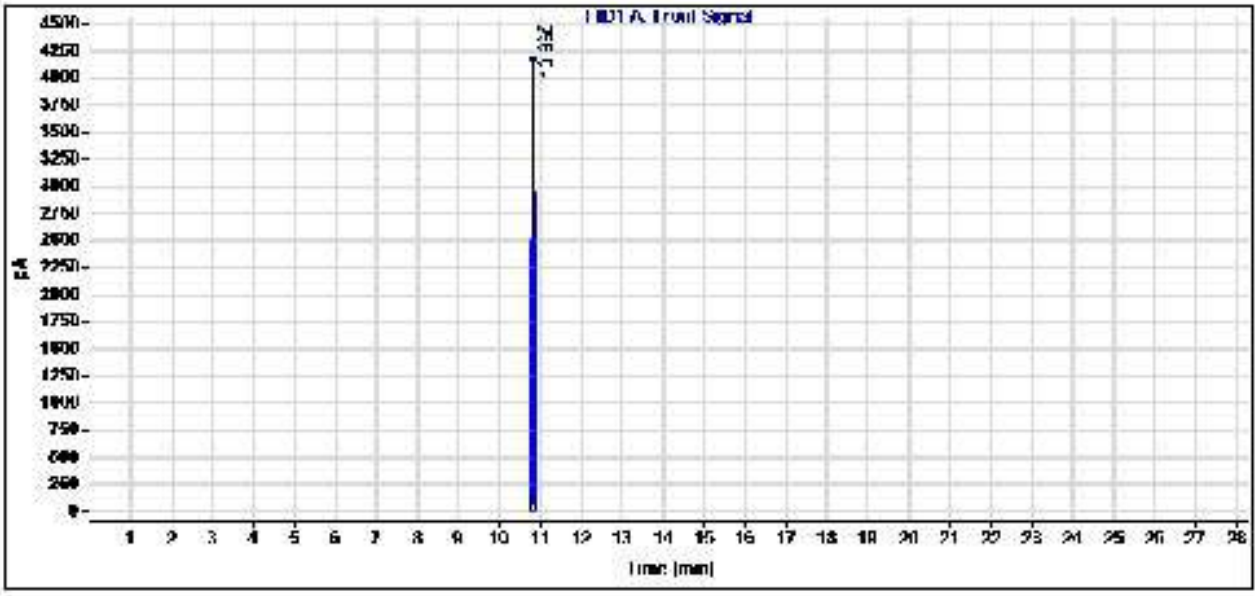
Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0622\FID010695.D

Sample name: N-11531

Instrument: GC 1
Injection date: 6/17/2022 1:49:46 PM
Acq. method: SCREEN NEAT-FRANNY.M
Column name: DB-624 (30m x 0.53mm x 3.0um)

Sample type: Sample
Location: Vial 51
Injection volume: 1.0uL



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
10.835	BB	0.0350	9220.0693	4132.2539	100.0000
		Sum	9220.0693		

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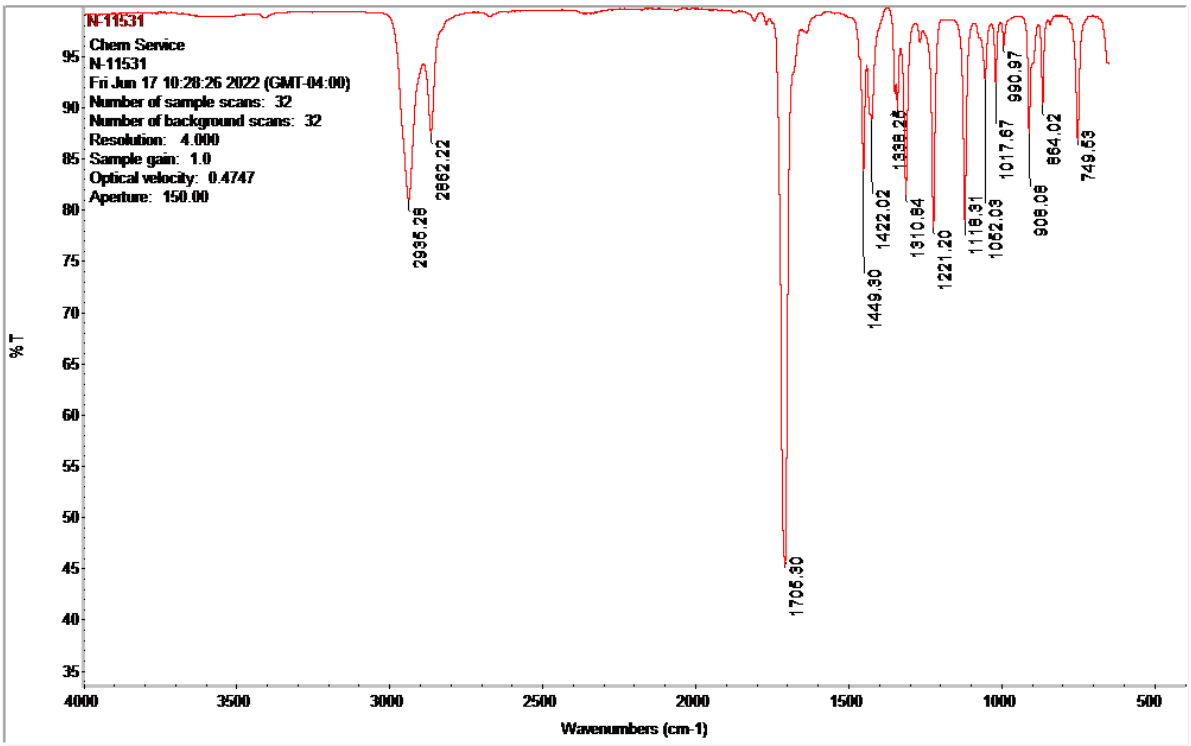
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11531-1G
Description: Cyclohexanone
Lot Number: 13529800
Expiration Date: 06/30/27



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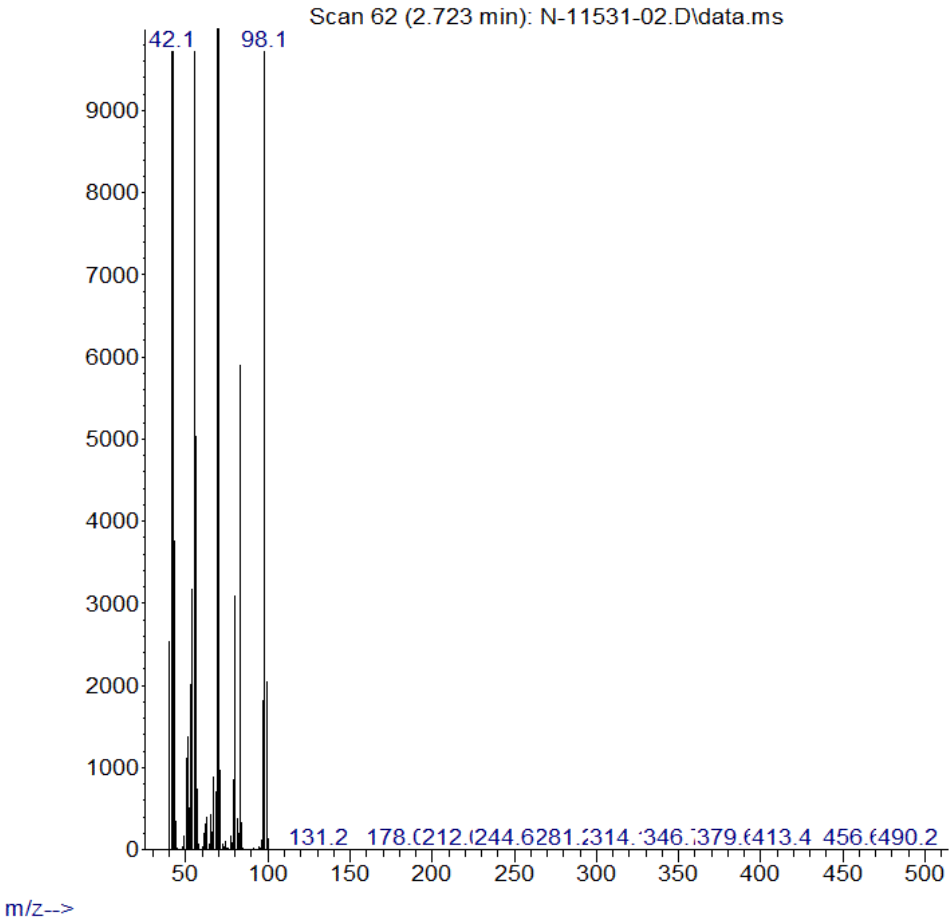
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-11531-1G
Description:	Cyclohexanone
Lot Number:	13529800
Expiration Date:	06/30/27



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

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info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11531-1G
Description: Cyclohexanone
Lot Number: 13529800
Expiration Date: 06/30/27

ChemService Area Percent Report

```
 Data Path : D:\MassHunter\GCMS\1\data\2022\0622\
 Data File : N-11531-02.D
 Acq On    : 17 Jun 2022  12:40
 Operator  :
 Sample    : N-11531
 Misc      :
 ALS Vial  : 16   Sample Multiplier: 1

 Integration Parameters: autoint1.e
 Integrator: ChemStation

 Method    : D:\MassHunter\GCMS\1\methods\SCREEN NO SD.M
 Title     :

 Signal     : TIC: N-11531-02.D\data.ms
```

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.723	58	62	80	BV 2	106211218	1767870280	100.00%	100.000%

Sum of corrected areas: 1767870280

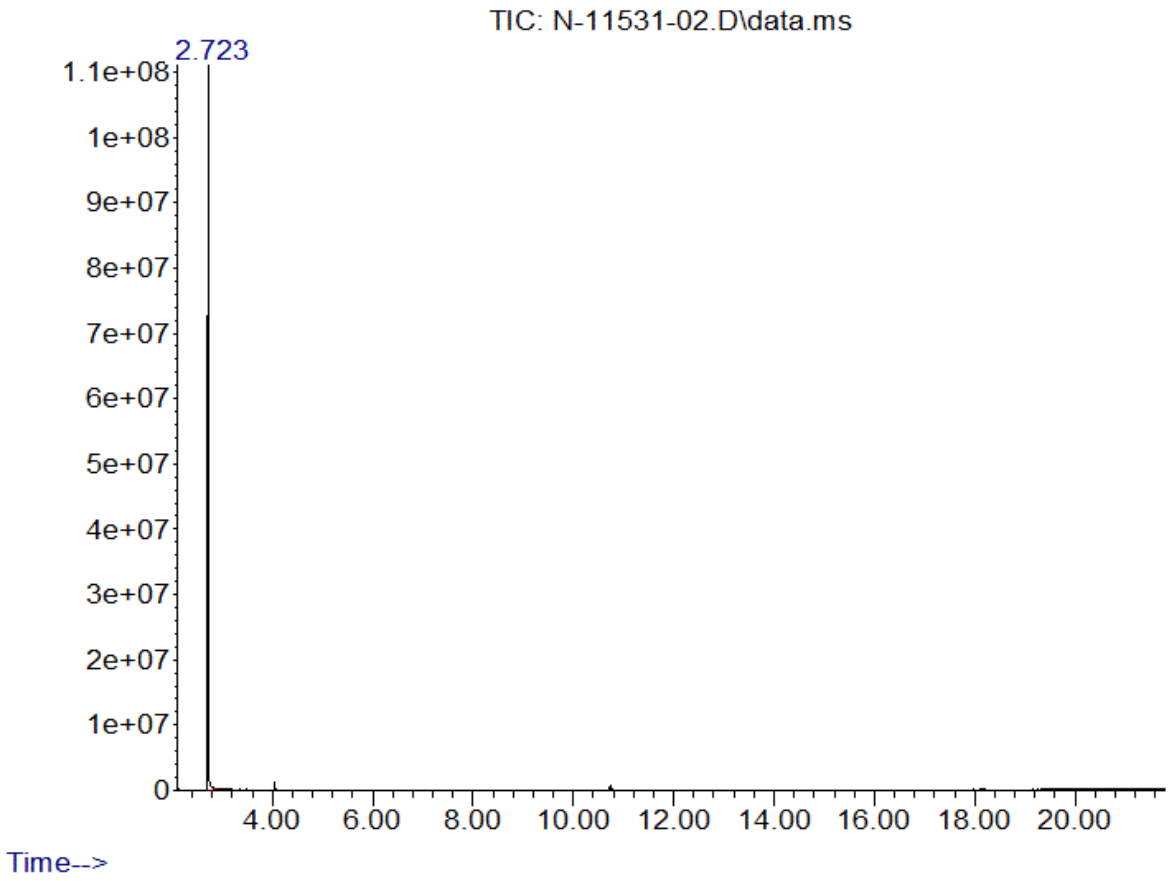
SCREEN NO SD.M Fri Jun 17 13:13:05 2022

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-11531-1G
Description: Cyclohexanone
Lot Number: 13529800
Expiration Date: 06/30/27



Reagent

MSV_MegaMIX#1_00114

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.:** A0184527

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, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,1-dichloroethene	5,048.5 µg/mL	+/- 35.8563 µg/mL	Gravimetric
	CAS # 75-35-4 (Lot SHBK2437)		+/- 283.8125 µg/mL	Unstressed
	Purity 99%		+/- 290.4188 µg/mL	Stressed
2	Methylene chloride (dichloromethane)	5,038.2 µg/mL	+/- 35.7831 µg/mL	Gravimetric
	CAS # 75-09-2 (Lot 218028)		+/- 283.2328 µg/mL	Unstressed
	Purity 99%		+/- 289.8256 µg/mL	Stressed
3	trans-1,2-Dichloroethene	5,048.7 µg/mL	+/- 35.8576 µg/mL	Gravimetric
	CAS # 156-60-5 (Lot MKBH9850V)		+/- 283.8231 µg/mL	Unstressed
	Purity 99%		+/- 290.4296 µg/mL	Stressed
4	1,1-Dichloroethane	5,046.4 µg/mL	+/- 35.8412 µg/mL	Gravimetric
	CAS # 75-34-3 (Lot 580900)		+/- 283.6931 µg/mL	Unstressed
	Purity 99%		+/- 290.2966 µg/mL	Stressed
5	2,2-Dichloropropane	5,049.3 µg/mL	+/- 36.0322 µg/mL	Gravimetric
	CAS # 594-20-7 (Lot RD220222)		+/- 283.8791 µg/mL	Unstressed
	Purity 99%		+/- 290.4859 µg/mL	Stressed
6	cis-1,2-Dichloroethene	5,049.4 µg/mL	+/- 36.0329 µg/mL	Gravimetric
	CAS # 156-59-2 (Lot MKCP7830)		+/- 283.8847 µg/mL	Unstressed
	Purity 99%		+/- 290.4917 µg/mL	Stressed
7	chloroform	5,045.8 µg/mL	+/- 35.8368 µg/mL	Gravimetric
	CAS # 67-66-3 (Lot SHBN8469)		+/- 283.6579 µg/mL	Unstressed
	Purity 99%		+/- 290.2606 µg/mL	Stressed

8	Bromochloromethane		5,049.4	µg/mL	+/-	36.0329	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	283.8847	µg/mL	Unstressed
	Purity 99%				+/-	290.4917	µg/mL	Stressed
9	1,1,1-trichloroethane		5,044.1	µg/mL	+/-	35.8248	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot RD220215)			+/-	283.5631	µg/mL	Unstressed
	Purity 99%				+/-	290.1636	µg/mL	Stressed
10	1,1-Dichloropropene		5,042.1	µg/mL	+/-	35.9808	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 220217JLM)			+/-	283.4743	µg/mL	Unstressed
	Purity 99%				+/-	290.0717	µg/mL	Stressed
11	carbon tetrachloride		5,046.6	µg/mL	+/-	35.8430	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBL8097)			+/-	283.7071	µg/mL	Unstressed
	Purity 99%				+/-	290.3110	µg/mL	Stressed
12	1,2-Dichloroethane		5,046.8	µg/mL	+/-	35.8439	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCN9758)			+/-	283.7142	µg/mL	Unstressed
	Purity 99%				+/-	290.3182	µg/mL	Stressed
13	Benzene		5,048.9	µg/mL	+/-	36.0293	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot MKCM9242)			+/-	283.8566	µg/mL	Unstressed
	Purity 99%				+/-	290.4629	µg/mL	Stressed
14	Trichloroethene		5,049.6	µg/mL	+/-	35.8643	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBL5816)			+/-	283.8758	µg/mL	Unstressed
	Purity 99%				+/-	290.4835	µg/mL	Stressed
15	1,2-Dichloropropane		5,045.3	µg/mL	+/-	35.8337	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	283.6333	µg/mL	Unstressed
	Purity 99%				+/-	290.2355	µg/mL	Stressed
16	bromodichloromethane		5,047.1	µg/mL	+/-	35.8461	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCM7156)			+/-	283.7317	µg/mL	Unstressed
	Purity 99%				+/-	290.3361	µg/mL	Stressed
17	Dibromomethane		5,049.9	µg/mL	+/-	36.0365	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10215970)			+/-	283.9128	µg/mL	Unstressed
	Purity 99%				+/-	290.5204	µg/mL	Stressed
18	cis-1,3-Dichloropropene		5,044.3	µg/mL	+/-	35.8261	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot RD211111)			+/-	283.5736	µg/mL	Unstressed
	Purity 99%				+/-	290.1743	µg/mL	Stressed
19	Toluene		5,048.6	µg/mL	+/-	36.0272	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot MKCQ2779)			+/-	283.8397	µg/mL	Unstressed
	Purity 99%				+/-	290.4456	µg/mL	Stressed
20	trans-1,3-Dichloropropene		5,049.6	µg/mL	+/-	35.8639	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot RD220207A)			+/-	283.8728	µg/mL	Unstressed
	Purity 98%				+/-	290.4805	µg/mL	Stressed
21	1,1,2-Trichloroethane		5,048.6	µg/mL	+/-	35.8567	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	283.8160	µg/mL	Unstressed
	Purity 99%				+/-	290.4224	µg/mL	Stressed
22	1,3-Dichloropropane		5,049.7	µg/mL	+/-	36.0350	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCCB9817)			+/-	283.9016	µg/mL	Unstressed
	Purity 99%				+/-	290.5089	µg/mL	Stressed
23	Tetrachloroethene		5,049.5	µg/mL	+/-	35.8634	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	283.8688	µg/mL	Unstressed
	Purity 99%				+/-	290.4763	µg/mL	Stressed

24	dibromochloromethane		5,048.9	µg/mL	+/-	35.8590	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCM8659)			+/-	283.8336	µg/mL	Unstressed
	Purity 99%				+/-	290.4404	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		5,048.0	µg/mL	+/-	36.0229	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCBP2268V)			+/-	283.8060	µg/mL	Unstressed
	Purity 99%				+/-	290.4111	µg/mL	Stressed
26	Chlorobenzene		5,047.7	µg/mL	+/-	35.8505	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)			+/-	283.7669	µg/mL	Unstressed
	Purity 99%				+/-	290.3721	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		5,049.1	µg/mL	+/-	36.0308	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot GC01)			+/-	283.8678	µg/mL	Unstressed
	Purity 99%				+/-	290.4744	µg/mL	Stressed
28	Ethylbenzene		5,049.7	µg/mL	+/-	36.0350	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBM4308)			+/-	283.9016	µg/mL	Unstressed
	Purity 99%				+/-	290.5089	µg/mL	Stressed
29	m-Xylene		5,048.2	µg/mL	+/-	36.0243	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot SHBM4841)			+/-	283.8172	µg/mL	Unstressed
	Purity 99%				+/-	290.4226	µg/mL	Stressed
30	p-Xylene		5,046.5	µg/mL	+/-	36.0122	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot 10234437)			+/-	283.7216	µg/mL	Unstressed
	Purity 99%				+/-	290.3248	µg/mL	Stressed
31	o-Xylene		5,049.3	µg/mL	+/-	36.0322	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBM0472)			+/-	283.8791	µg/mL	Unstressed
	Purity 99%				+/-	290.4859	µg/mL	Stressed
32	Styrene		5,049.0	µg/mL	+/-	36.0301	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCP3941)			+/-	283.8622	µg/mL	Unstressed
	Purity 99%				+/-	290.4686	µg/mL	Stressed
33	Isopropylbenzene (cumene)		5,046.5	µg/mL	+/-	36.0122	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot Z20D022)			+/-	283.7216	µg/mL	Unstressed
	Purity 99%				+/-	290.3248	µg/mL	Stressed
34	bromoform		5,045.7	µg/mL	+/-	35.8365	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBK4455)			+/-	283.6559	µg/mL	Unstressed
	Purity 98%				+/-	290.2585	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		5,045.8	µg/mL	+/-	35.8368	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)			+/-	283.6579	µg/mL	Unstressed
	Purity 99%				+/-	290.2606	µg/mL	Stressed
36	1,2,3-Trichloropropane		5,049.4	µg/mL	+/-	36.0329	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot 332900)			+/-	283.8847	µg/mL	Unstressed
	Purity 99%				+/-	290.4917	µg/mL	Stressed
37	n-Propylbenzene		5,044.7	µg/mL	+/-	35.9994	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCM4174)			+/-	283.6204	µg/mL	Unstressed
	Purity 99%				+/-	290.2213	µg/mL	Stressed
38	Bromobenzene		5,047.8	µg/mL	+/-	36.0215	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot WXBC5147V)			+/-	283.7947	µg/mL	Unstressed
	Purity 99%				+/-	290.3996	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		5,046.6	µg/mL	+/-	36.0129	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCCD0427)			+/-	283.7273	µg/mL	Unstressed
	Purity 99%				+/-	290.3306	µg/mL	Stressed

40	2-Chlorotoluene		5,049.7	µg/mL	+/-	36.0350	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKCF5243)			+/-	283.9016	µg/mL	Unstressed
	Purity 99%				+/-	290.5089	µg/mL	Stressed
41	4-Chlorotoluene		5,047.7	µg/mL	+/-	36.0208	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKCC8496)			+/-	283.7891	µg/mL	Unstressed
	Purity 99%				+/-	290.3939	µg/mL	Stressed
42	tert-Butylbenzene		5,048.3	µg/mL	+/-	36.0251	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBJ1937)			+/-	283.8228	µg/mL	Unstressed
	Purity 99%				+/-	290.4284	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		5,048.0	µg/mL	+/-	36.0228	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot WXBC9428V)			+/-	283.8049	µg/mL	Unstressed
	Purity 98%				+/-	290.4100	µg/mL	Stressed
44	sec-Butylbenzene		5,045.8	µg/mL	+/-	36.0072	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKCN2920)			+/-	283.6823	µg/mL	Unstressed
	Purity 99%				+/-	290.2846	µg/mL	Stressed
45	p-Isopropyltoluene (p-Cymene)		5,048.3	µg/mL	+/-	36.0251	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKCP6638)			+/-	283.8228	µg/mL	Unstressed
	Purity 99%				+/-	290.4284	µg/mL	Stressed
46	1,3-Dichlorobenzene		5,045.8	µg/mL	+/-	35.8368	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBZ7498)			+/-	283.6579	µg/mL	Unstressed
	Purity 99%				+/-	290.2606	µg/mL	Stressed
47	1,4-Dichlorobenzene		5,018.0	µg/mL	+/-	35.6397	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	282.0979	µg/mL	Unstressed
	Purity 99%				+/-	288.6643	µg/mL	Stressed
48	n-Butylbenzene		5,045.6	µg/mL	+/-	36.0058	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09418JJ)			+/-	283.6710	µg/mL	Unstressed
	Purity 99%				+/-	290.2730	µg/mL	Stressed
49	1,2-Dichlorobenzene		5,045.0	µg/mL	+/-	35.8314	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBN3835)			+/-	283.6158	µg/mL	Unstressed
	Purity 99%				+/-	290.2175	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		5,046.4	µg/mL	+/-	36.0117	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot HBMVB)			+/-	283.7174	µg/mL	Unstressed
	Purity 97%				+/-	290.3205	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		5,049.9	µg/mL	+/-	36.0365	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/-	283.9128	µg/mL	Unstressed
	Purity 99%				+/-	290.5204	µg/mL	Stressed
52	Hexachlorobutadiene		5,043.1	µg/mL	+/-	35.9880	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot X05J)			+/-	283.5305	µg/mL	Unstressed
	Purity 99%				+/-	290.1292	µg/mL	Stressed
53	Naphthalene		5,047.6	µg/mL	+/-	36.0201	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/-	283.7835	µg/mL	Unstressed
	Purity 99%				+/-	290.3881	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		5,047.7	µg/mL	+/-	36.0208	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)			+/-	283.7891	µg/mL	Unstressed
	Purity 99%				+/-	290.3939	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)

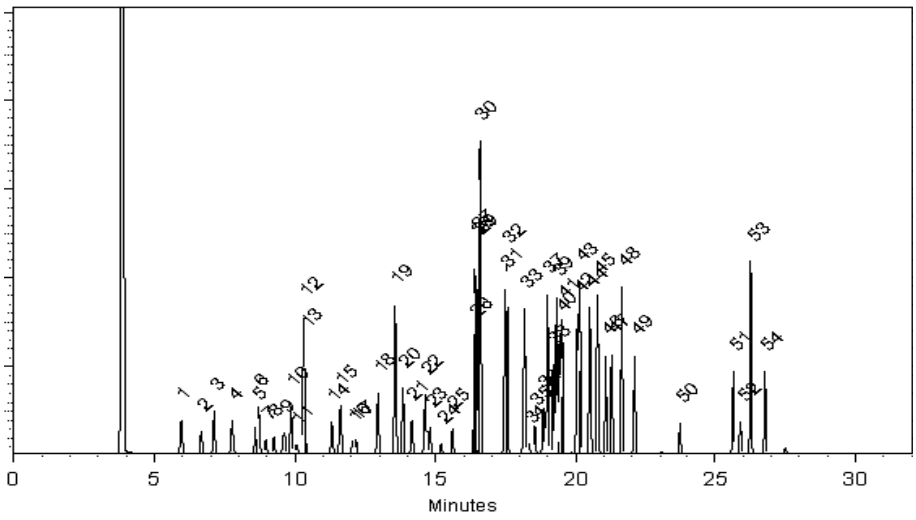
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Bethany Lowery - Operations Tech I

Date Mixed: 26-Apr-2022 **Balance:** B251644995

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 28-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_MegaMix#2_00108

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.:** A0186885

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, 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	n-Pentane (C5) **CAS #** 109-66-0 (Lot SHBN6009) **Purity** 99%	5,031.0 µg/mL	+/- 35.9016 µg/mL +/- 249.7418 µg/mL +/- 255.9092 µg/mL	Gravimetric Unstressed Stressed
2	2-Propanol (isopropanol) **CAS #** 67-63-0 (Lot SHBN6065) **Purity** 99%	25,031.0 µg/mL	+/- 146.5620 µg/mL +/- 1,238.3511 µg/mL +/- 1,269.1379 µg/mL	Gravimetric Unstressed Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00016133) **Purity** 99%	5,009.5 µg/mL	+/- 35.7482 µg/mL +/- 248.6745 µg/mL +/- 254.8156 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot 101619K21F-1) **Purity** 99%	25,112.0 µg/mL	+/- 147.0363 µg/mL +/- 1,242.3584 µg/mL +/- 1,273.2448 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBM1320) **Purity** 99%	5,011.0 µg/mL	+/- 35.7589 µg/mL +/- 248.7490 µg/mL +/- 254.8919 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot RD220125) **Purity** 99%	5,012.0 µg/mL	+/- 35.7660 µg/mL +/- 248.7986 µg/mL +/- 254.9428 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot RP220405A) **Purity** 99%	5,021.7 µg/mL	+/- 35.8350 µg/mL +/- 249.2785 µg/mL +/- 255.4345 µg/mL	Gravimetric Unstressed Stressed

8	Carbon disulfide		5,017.2	µg/mL	+/-	35.8029	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	249.0551	µg/mL	Unstressed
	Purity 99%				+/-	255.2056	µg/mL	Stressed
9	Acrylonitrile		12,534.0	µg/mL	+/-	73.3893	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot SHBK4954)			+/-	620.0908	µg/mL	Unstressed
	Purity 99%				+/-	635.5069	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		5,014.5	µg/mL	+/-	35.7839	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBN6497)			+/-	248.9227	µg/mL	Unstressed
	Purity 99%				+/-	255.0699	µg/mL	Stressed
11	n-Hexane (C6)		5,014.7	µg/mL	+/-	35.7850	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot STBG6381)			+/-	248.9310	µg/mL	Unstressed
	Purity 99%				+/-	255.0784	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		5,021.0	µg/mL	+/-	35.8302	µg/mL	Gravimetric
	CAS # 108-20-3	(Lot STBK3450)			+/-	249.2454	µg/mL	Unstressed
	Purity 99%				+/-	255.4006	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		5,026.3	µg/mL	+/-	35.8683	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 220304JEAN)			+/-	249.5101	µg/mL	Unstressed
	Purity 99%				+/-	255.6718	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		5,009.2	µg/mL	+/-	35.7458	µg/mL	Gravimetric
	CAS # 637-92-3	(Lot MKCN9957)			+/-	248.6580	µg/mL	Unstressed
	Purity 99%				+/-	254.7986	µg/mL	Stressed
15	Propionitrile		25,070.0	µg/mL	+/-	146.7904	µg/mL	Gravimetric
	CAS # 107-12-0	(Lot BCCF4167)			+/-	1,240.2806	µg/mL	Unstressed
	Purity 99%				+/-	1,271.1153	µg/mL	Stressed
16	Methacrylonitrile		12,539.0	µg/mL	+/-	73.4186	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012014)			+/-	620.3382	µg/mL	Unstressed
	Purity 99%				+/-	635.7604	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,525.0	µg/mL	+/-	366.0976	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot SHBM4836)			+/-	3,093.2805	µg/mL	Unstressed
	Purity 99%				+/-	3,170.1827	µg/mL	Stressed
18	Tetrahydrofuran		25,065.0	µg/mL	+/-	146.7611	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBP0039)			+/-	1,240.0332	µg/mL	Unstressed
	Purity 99%				+/-	1,270.8617	µg/mL	Stressed
19	Cyclohexane		5,008.5	µg/mL	+/-	35.7410	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot EA003-US)			+/-	248.6249	µg/mL	Unstressed
	Purity 99%				+/-	254.7647	µg/mL	Stressed
20	1-Butanol		62,524.0	µg/mL	+/-	366.0918	µg/mL	Gravimetric
	CAS # 71-36-3	(Lot SHBN6854)			+/-	3,093.2311	µg/mL	Unstressed
	Purity 99%				+/-	3,170.1320	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		5,009.2	µg/mL	+/-	35.7458	µg/mL	Gravimetric
	CAS # 994-05-8	(Lot HMBG7745V)			+/-	248.6580	µg/mL	Unstressed
	Purity 99%				+/-	254.7986	µg/mL	Stressed
22	n-Heptane (C7)		5,016.7	µg/mL	+/-	35.7993	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SGBL9221)			+/-	249.0303	µg/mL	Unstressed
	Purity 99%				+/-	255.1801	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		5,010.8	µg/mL	+/-	35.7577	µg/mL	Gravimetric
	CAS # 919-94-8	(Lot 76U3A)			+/-	248.7407	µg/mL	Unstressed
	Purity 99%				+/-	254.8834	µg/mL	Stressed

24	Methylcyclohexane		5,022.3	µg/mL	+/-	35.8398	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	249.3116	µg/mL	Unstressed
	Purity 99%				+/-	255.4684	µg/mL	Stressed
25	Methyl methacrylate		5,011.5	µg/mL	+/-	35.7625	µg/mL	Gravimetric
	CAS # 80-62-6	(Lot MKCQ2755)			+/-	248.7738	µg/mL	Unstressed
	Purity 99%				+/-	254.9173	µg/mL	Stressed
26	1,4-Dioxane		62,598.0	µg/mL	+/-	366.5251	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBN5929)			+/-	3,096.8920	µg/mL	Unstressed
	Purity 99%				+/-	3,173.8840	µg/mL	Stressed
27	2-Nitropropane		25,086.1	µg/mL	+/-	146.8849	µg/mL	Gravimetric
	CAS # 79-46-9	(Lot BCCB9352)			+/-	1,241.0791	µg/mL	Unstressed
	Purity 97%				+/-	1,271.9336	µg/mL	Stressed
28	Ethyl methacrylate		5,017.7	µg/mL	+/-	35.8065	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	249.0799	µg/mL	Unstressed
	Purity 99%				+/-	255.2310	µg/mL	Stressed
29	1-Chlorohexane		5,022.3	µg/mL	+/-	35.8398	µg/mL	Gravimetric
	CAS # 544-10-5	(Lot BCBS3368V)			+/-	249.3117	µg/mL	Unstressed
	Purity 98%				+/-	255.4685	µg/mL	Stressed
30	trans-1,4-dichloro-2-butene		12,586.6	µg/mL	+/-	73.6970	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD220405A)			+/-	622.6906	µg/mL	Unstressed
	Purity 95%				+/-	638.1714	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		5,012.4	µg/mL	+/-	35.7687	µg/mL	Gravimetric
	CAS # 526-73-8	(Lot 8776.10-36)			+/-	248.8172	µg/mL	Unstressed
	Purity 98%				+/-	254.9617	µg/mL	Stressed
32	1,3-Diethylbenzene		5,012.0	µg/mL	+/-	35.7664	µg/mL	Gravimetric
	CAS # 141-93-5	(Lot BCBT8967)			+/-	248.8009	µg/mL	Unstressed
	Purity 98%				+/-	254.9451	µg/mL	Stressed
33	Benzyl chloride		5,020.8	µg/mL	+/-	35.8291	µg/mL	Gravimetric
	CAS # 100-44-7	(Lot SHBH2102V)			+/-	249.2371	µg/mL	Unstressed
	Purity 99%				+/-	255.3921	µg/mL	Stressed
34	1,4-Diethylbenzene		5,011.7	µg/mL	+/-	35.7636	µg/mL	Gravimetric
	CAS # 105-05-5	(Lot 1135.72-1)			+/-	248.7821	µg/mL	Unstressed
	Purity 99%				+/-	254.9258	µg/mL	Stressed
35	1,2-Diethylbenzene		5,011.3	µg/mL	+/-	35.7613	µg/mL	Gravimetric
	CAS # 135-01-3	(Lot ECH2970181)			+/-	248.7655	µg/mL	Unstressed
	Purity 99%				+/-	254.9088	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		5,013.2	µg/mL	+/-	35.7743	µg/mL	Gravimetric
	CAS # 108-70-3	(Lot 11319AS)			+/-	248.8565	µg/mL	Unstressed
	Purity 99%				+/-	255.0021	µg/mL	Stressed
37	2-Methylnaphthalene		5,013.1	µg/mL	+/-	35.7740	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBK0259)			+/-	248.8542	µg/mL	Unstressed
	Purity 96%				+/-	254.9997	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)

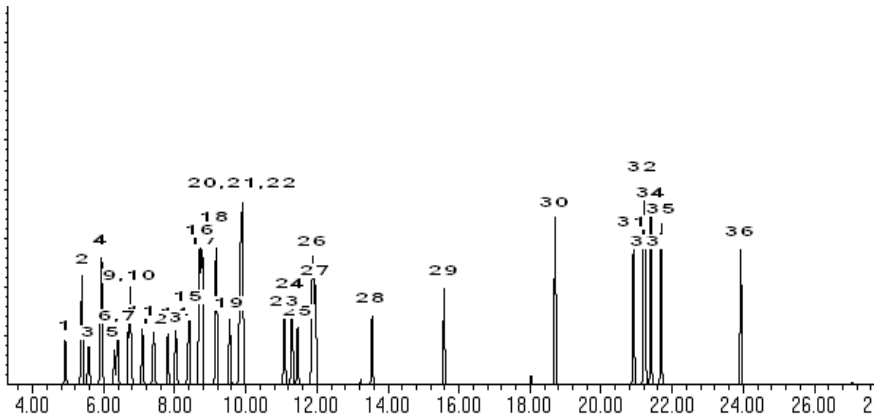
Carrier Gas:
helium-constant pressure 30 psi

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.

Miranda Kline - Operations Technician I

Date Mixed: 30-Jun-2022 **Balance:** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Jul-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_MegaMix#2_00110

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.:** A0186885

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, 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	n-Pentane (C5)	5,031.0 µg/mL	+/- 35.9016 µg/mL	Gravimetric
	CAS # 109-66-0 (Lot SHBN6009)		+/- 249.7418 µg/mL	Unstressed
	Purity 99%		+/- 255.9092 µg/mL	Stressed
2	2-Propanol (isopropanol)	25,031.0 µg/mL	+/- 146.5620 µg/mL	Gravimetric
	CAS # 67-63-0 (Lot SHBN6065)		+/- 1,238.3511 µg/mL	Unstressed
	Purity 99%		+/- 1,269.1379 µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,009.5 µg/mL	+/- 35.7482 µg/mL	Gravimetric
	CAS # 76-13-1 (Lot 00016133)		+/- 248.6745 µg/mL	Unstressed
	Purity 99%		+/- 254.8156 µg/mL	Stressed
4	tert-Butanol (TBA)	25,112.0 µg/mL	+/- 147.0363 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot 101619K21F-1)		+/- 1,242.3584 µg/mL	Unstressed
	Purity 99%		+/- 1,273.2448 µg/mL	Stressed
5	Methyl acetate	5,011.0 µg/mL	+/- 35.7589 µg/mL	Gravimetric
	CAS # 79-20-9 (Lot SHBM1320)		+/- 248.7490 µg/mL	Unstressed
	Purity 99%		+/- 254.8919 µg/mL	Stressed
6	Iodomethane (methyl iodide)	5,012.0 µg/mL	+/- 35.7660 µg/mL	Gravimetric
	CAS # 74-88-4 (Lot RD220125)		+/- 248.7986 µg/mL	Unstressed
	Purity 99%		+/- 254.9428 µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	5,021.7 µg/mL	+/- 35.8350 µg/mL	Gravimetric
	CAS # 107-05-1 (Lot RP220405A)		+/- 249.2785 µg/mL	Unstressed
	Purity 99%		+/- 255.4345 µg/mL	Stressed

8	Carbon disulfide		5,017.2	µg/mL	+/-	35.8029	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	249.0551	µg/mL	Unstressed
	Purity 99%				+/-	255.2056	µg/mL	Stressed
9	Acrylonitrile		12,534.0	µg/mL	+/-	73.3893	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot SHBK4954)			+/-	620.0908	µg/mL	Unstressed
	Purity 99%				+/-	635.5069	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		5,014.5	µg/mL	+/-	35.7839	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBN6497)			+/-	248.9227	µg/mL	Unstressed
	Purity 99%				+/-	255.0699	µg/mL	Stressed
11	n-Hexane (C6)		5,014.7	µg/mL	+/-	35.7850	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot STBG6381)			+/-	248.9310	µg/mL	Unstressed
	Purity 99%				+/-	255.0784	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		5,021.0	µg/mL	+/-	35.8302	µg/mL	Gravimetric
	CAS # 108-20-3	(Lot STBK3450)			+/-	249.2454	µg/mL	Unstressed
	Purity 99%				+/-	255.4006	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		5,026.3	µg/mL	+/-	35.8683	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 220304JEAN)			+/-	249.5101	µg/mL	Unstressed
	Purity 99%				+/-	255.6718	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		5,009.2	µg/mL	+/-	35.7458	µg/mL	Gravimetric
	CAS # 637-92-3	(Lot MKCN9957)			+/-	248.6580	µg/mL	Unstressed
	Purity 99%				+/-	254.7986	µg/mL	Stressed
15	Propionitrile		25,070.0	µg/mL	+/-	146.7904	µg/mL	Gravimetric
	CAS # 107-12-0	(Lot BCCF4167)			+/-	1,240.2806	µg/mL	Unstressed
	Purity 99%				+/-	1,271.1153	µg/mL	Stressed
16	Methacrylonitrile		12,539.0	µg/mL	+/-	73.4186	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012014)			+/-	620.3382	µg/mL	Unstressed
	Purity 99%				+/-	635.7604	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,525.0	µg/mL	+/-	366.0976	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot SHBM4836)			+/-	3,093.2805	µg/mL	Unstressed
	Purity 99%				+/-	3,170.1827	µg/mL	Stressed
18	Tetrahydrofuran		25,065.0	µg/mL	+/-	146.7611	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBP0039)			+/-	1,240.0332	µg/mL	Unstressed
	Purity 99%				+/-	1,270.8617	µg/mL	Stressed
19	Cyclohexane		5,008.5	µg/mL	+/-	35.7410	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot EA003-US)			+/-	248.6249	µg/mL	Unstressed
	Purity 99%				+/-	254.7647	µg/mL	Stressed
20	1-Butanol		62,524.0	µg/mL	+/-	366.0918	µg/mL	Gravimetric
	CAS # 71-36-3	(Lot SHBN6854)			+/-	3,093.2311	µg/mL	Unstressed
	Purity 99%				+/-	3,170.1320	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		5,009.2	µg/mL	+/-	35.7458	µg/mL	Gravimetric
	CAS # 994-05-8	(Lot HMBG7745V)			+/-	248.6580	µg/mL	Unstressed
	Purity 99%				+/-	254.7986	µg/mL	Stressed
22	n-Heptane (C7)		5,016.7	µg/mL	+/-	35.7993	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SGBL9221)			+/-	249.0303	µg/mL	Unstressed
	Purity 99%				+/-	255.1801	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		5,010.8	µg/mL	+/-	35.7577	µg/mL	Gravimetric
	CAS # 919-94-8	(Lot 76U3A)			+/-	248.7407	µg/mL	Unstressed
	Purity 99%				+/-	254.8834	µg/mL	Stressed

24	Methylcyclohexane		5,022.3	µg/mL	+/-	35.8398	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	249.3116	µg/mL	Unstressed
	Purity 99%				+/-	255.4684	µg/mL	Stressed
25	Methyl methacrylate		5,011.5	µg/mL	+/-	35.7625	µg/mL	Gravimetric
	CAS # 80-62-6	(Lot MKCQ2755)			+/-	248.7738	µg/mL	Unstressed
	Purity 99%				+/-	254.9173	µg/mL	Stressed
26	1,4-Dioxane		62,598.0	µg/mL	+/-	366.5251	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBN5929)			+/-	3,096.8920	µg/mL	Unstressed
	Purity 99%				+/-	3,173.8840	µg/mL	Stressed
27	2-Nitropropane		25,086.1	µg/mL	+/-	146.8849	µg/mL	Gravimetric
	CAS # 79-46-9	(Lot BCCB9352)			+/-	1,241.0791	µg/mL	Unstressed
	Purity 97%				+/-	1,271.9336	µg/mL	Stressed
28	Ethyl methacrylate		5,017.7	µg/mL	+/-	35.8065	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	249.0799	µg/mL	Unstressed
	Purity 99%				+/-	255.2310	µg/mL	Stressed
29	1-Chlorohexane		5,022.3	µg/mL	+/-	35.8398	µg/mL	Gravimetric
	CAS # 544-10-5	(Lot BCBS3368V)			+/-	249.3117	µg/mL	Unstressed
	Purity 98%				+/-	255.4685	µg/mL	Stressed
30	trans-1,4-dichloro-2-butene		12,586.6	µg/mL	+/-	73.6970	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD220405A)			+/-	622.6906	µg/mL	Unstressed
	Purity 95%				+/-	638.1714	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		5,012.4	µg/mL	+/-	35.7687	µg/mL	Gravimetric
	CAS # 526-73-8	(Lot 8776.10-36)			+/-	248.8172	µg/mL	Unstressed
	Purity 98%				+/-	254.9617	µg/mL	Stressed
32	1,3-Diethylbenzene		5,012.0	µg/mL	+/-	35.7664	µg/mL	Gravimetric
	CAS # 141-93-5	(Lot BCBT8967)			+/-	248.8009	µg/mL	Unstressed
	Purity 98%				+/-	254.9451	µg/mL	Stressed
33	Benzyl chloride		5,020.8	µg/mL	+/-	35.8291	µg/mL	Gravimetric
	CAS # 100-44-7	(Lot SHBH2102V)			+/-	249.2371	µg/mL	Unstressed
	Purity 99%				+/-	255.3921	µg/mL	Stressed
34	1,4-Diethylbenzene		5,011.7	µg/mL	+/-	35.7636	µg/mL	Gravimetric
	CAS # 105-05-5	(Lot 1135.72-1)			+/-	248.7821	µg/mL	Unstressed
	Purity 99%				+/-	254.9258	µg/mL	Stressed
35	1,2-Diethylbenzene		5,011.3	µg/mL	+/-	35.7613	µg/mL	Gravimetric
	CAS # 135-01-3	(Lot ECH2970181)			+/-	248.7655	µg/mL	Unstressed
	Purity 99%				+/-	254.9088	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		5,013.2	µg/mL	+/-	35.7743	µg/mL	Gravimetric
	CAS # 108-70-3	(Lot 11319AS)			+/-	248.8565	µg/mL	Unstressed
	Purity 99%				+/-	255.0021	µg/mL	Stressed
37	2-Methylnaphthalene		5,013.1	µg/mL	+/-	35.7740	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBK0259)			+/-	248.8542	µg/mL	Unstressed
	Purity 96%				+/-	254.9997	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)

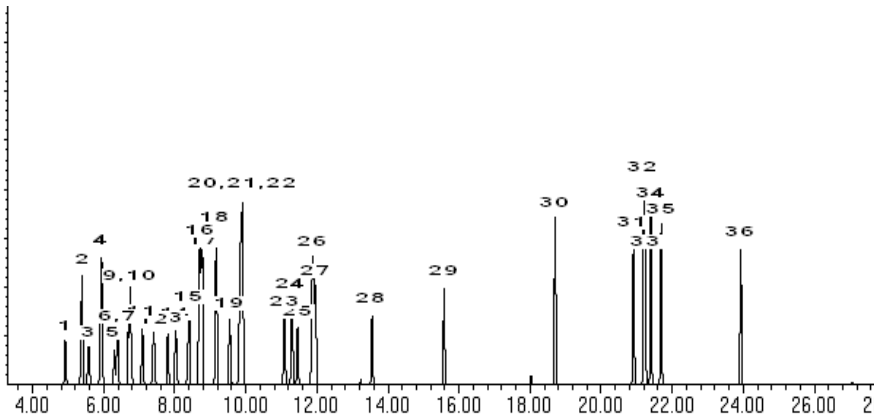
Carrier Gas:
helium-constant pressure 30 psi

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.

Miranda Kline

Miranda Kline - Operations Technician I

Date Mixed: 30-Jun-2022 **Balance:** B707717271

Christie Mills

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Jul-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_V_2CLEVE_00111

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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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.:** A0184487

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, 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	2-Chloroethyl vinyl ether	5,035.0 µg/mL	+/- 29.5482 µg/mL	Gravimetric
	CAS # 110-75-8 (Lot MKCK6742)		+/- 107.8748 µg/mL	Unstressed
	Purity 99%		+/- 111.0066 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)

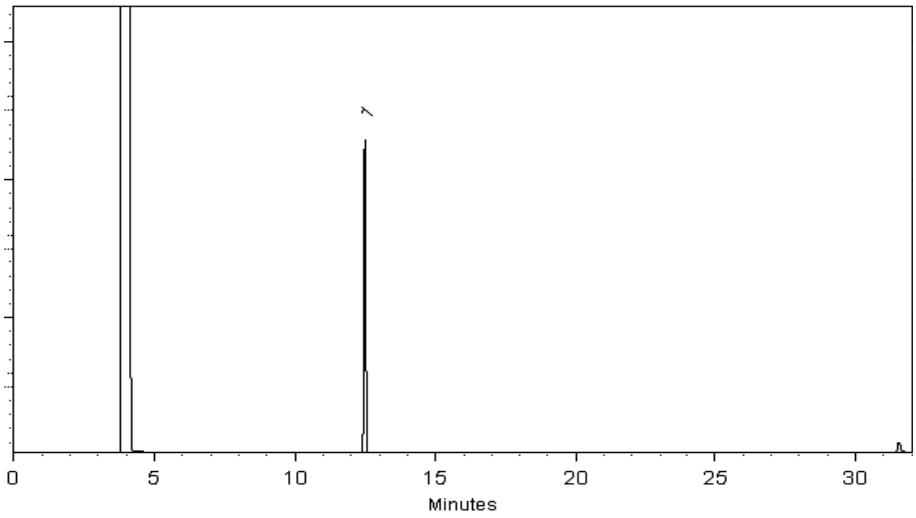
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Morgan Craighead - Mix Technician

Date Mixed: 25-Apr-2022 **Balance:** B442140311

Fang-Yun Lo - QC Analyst

Date Passed: 27-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_V_Ketones_00100

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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.:** A0180742

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

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

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

Expiration Date : January 31, 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	Acetone	12,524.0 µg/mL	+/- 73.3308 µg/mL	Gravimetric
	CAS # 67-64-1 (Lot MKCP0755)		+/- 755.6782 µg/mL	Unstressed
	Purity 99%		+/- 757.4721 µg/mL	Stressed
2	2-Butanone (MEK)	12,529.5 µg/mL	+/- 73.3630 µg/mL	Gravimetric
	CAS # 78-93-3 (Lot SHBN2844)		+/- 756.0101 µg/mL	Unstressed
	Purity 99%		+/- 757.8048 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,541.5 µg/mL	+/- 73.4332 µg/mL	Gravimetric
	CAS # 108-10-1 (Lot SHBN3601)		+/- 756.7342 µg/mL	Unstressed
	Purity 99%		+/- 758.5305 µg/mL	Stressed
4	2-Hexanone	12,548.0 µg/mL	+/- 73.4713 µg/mL	Gravimetric
	CAS # 591-78-6 (Lot MKCL1599)		+/- 757.1264 µg/mL	Unstressed
	Purity 99%		+/- 758.9237 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)

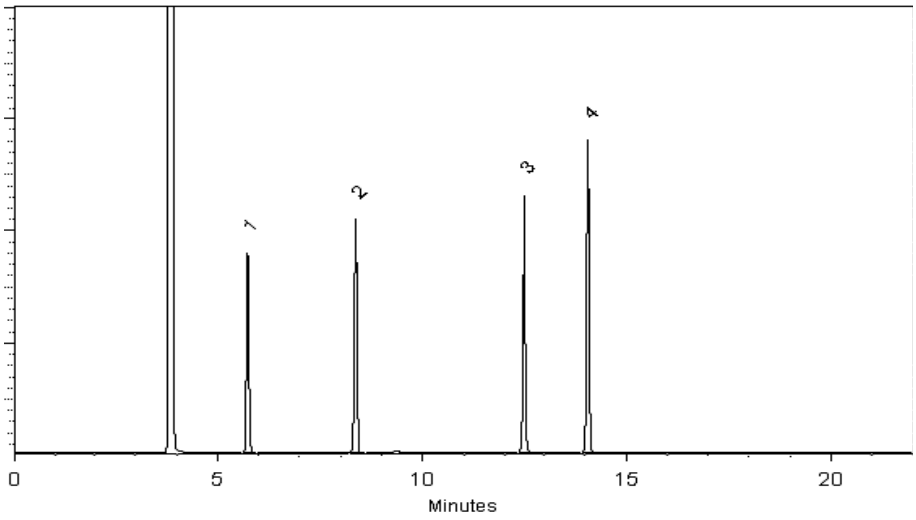
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Penelope Riglin - Operations Tech I

Date Mixed: 18-Jan-2022 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 20-Jan-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:

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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

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Manufacturing Notes:

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Handling Notes:

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Reagent

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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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Catalog No. : 569721 **Lot No.:** A0180742

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

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

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

Expiration Date : January 31, 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	Acetone	12,524.0 µg/mL	+/- 73.3308 µg/mL	Gravimetric
	CAS # 67-64-1 (Lot MKCP0755)		+/- 755.6782 µg/mL	Unstressed
	Purity 99%		+/- 757.4721 µg/mL	Stressed
2	2-Butanone (MEK)	12,529.5 µg/mL	+/- 73.3630 µg/mL	Gravimetric
	CAS # 78-93-3 (Lot SHBN2844)		+/- 756.0101 µg/mL	Unstressed
	Purity 99%		+/- 757.8048 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,541.5 µg/mL	+/- 73.4332 µg/mL	Gravimetric
	CAS # 108-10-1 (Lot SHBN3601)		+/- 756.7342 µg/mL	Unstressed
	Purity 99%		+/- 758.5305 µg/mL	Stressed
4	2-Hexanone	12,548.0 µg/mL	+/- 73.4713 µg/mL	Gravimetric
	CAS # 591-78-6 (Lot MKCL1599)		+/- 757.1264 µg/mL	Unstressed
	Purity 99%		+/- 758.9237 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)

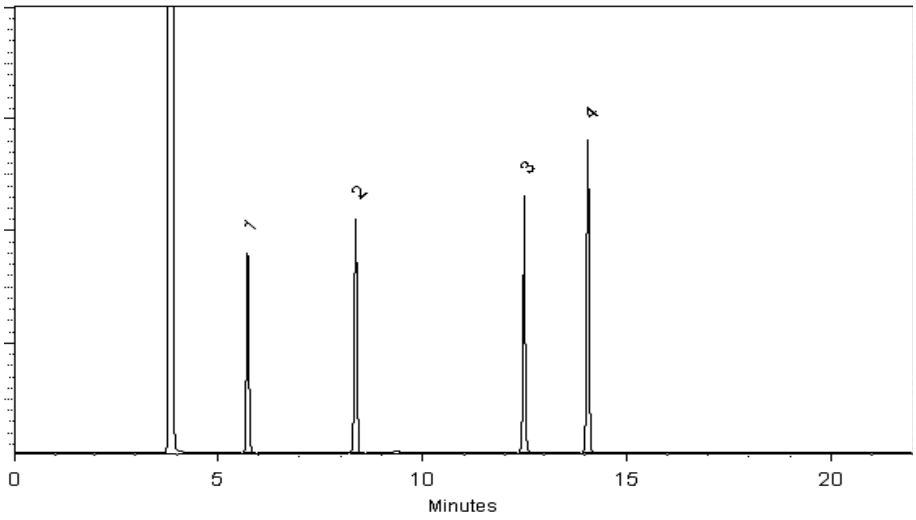
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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



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Penelope Riglin - Operations Tech I

Date Mixed: 18-Jan-2022 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 20-Jan-2022

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

General Certified Reference Material Notes

Expiration Notes:

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0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

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Handling Notes:

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Reagent

OP_BEP_NEAT_00004

QR BEP-NEAT-00004

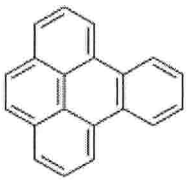
Sigma-Aldrich.

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Benzo[e]pyrene - 98%

Product Number:	**B10102**
Batch Number:	**MKCP5010**
Brand:	ALDRICH
CAS Number:	192-97-2
MDL Number:	MFCD00003605
Formula:	C20H12
Formula Weight:	252.31 g/mol
Quality Release Date:	24 MAY 2021



Test	Specification	Result
Appearance (Color) White to Yellow-Green to Orange	Conforms to Requirements	Light Orange
Appearance (Form)	Powder or Crystals	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Purity (HPLC)	≥ 97.5 %	97.7 %
Solubility (Turbidity)	Clear to Very Slightly Hazy	Clear
Solubility (Color) c = 20 mg/mL, Toluene	Yellow to Yellow-Green	Green-Yellow

Michael Grady, Manager
Quality Control
Milwaukee, WI US

Reagent

OP_LCSmix2stk_00004

OP-LCSmix25K-00004
ST21326A

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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 569732 **Lot No.:** A0172244

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

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

Expiration Date : November 30, 2022 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzaldehyde **CAS #** 100-52-7 (Lot RD210106) **Purity** 99%	2,015.7 µg/mL	+/- 11.7193 µg/mL +/- 40.2434 µg/mL +/- 90.3286 µg/mL	Gravimetric Unstressed Stressed
2	epsilon-Caprolactam **CAS #** 105-60-2 (Lot I16X016) **Purity** 99%	2,008.5 µg/mL	+/- 11.6776 µg/mL +/- 40.1003 µg/mL +/- 90.0074 µg/mL	Gravimetric Unstressed Stressed
3	Atrazine **CAS #** 1912-24-9 (Lot PI8FG) **Purity** 99%	2,008.5 µg/mL	+/- 11.6776 µg/mL +/- 40.1003 µg/mL +/- 90.0074 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)

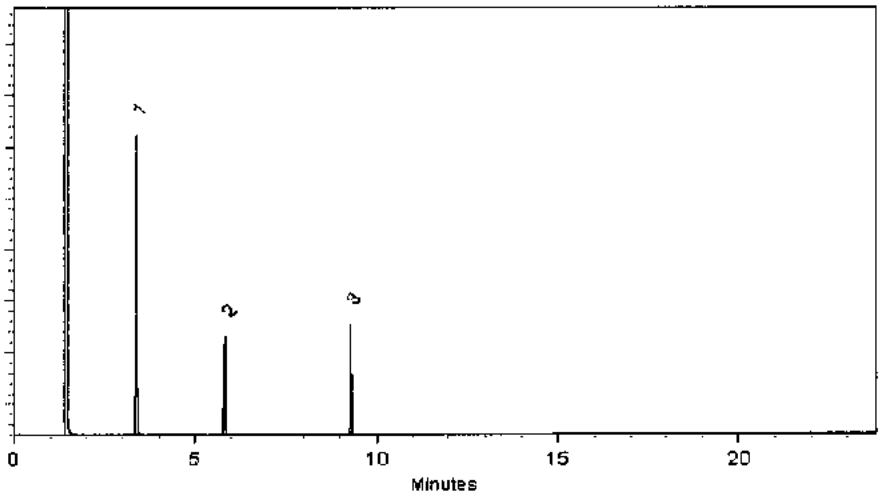
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.

Sam Moodler - Operations Tech I

Date Mixed: 11-May-2021 **Balance:** 1128360905

Marlina Cowan - Operations Tech I

Date Passed: 12-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

OP_RES_APPX1_00008

OP-RES-APPX1-00008

RESTEK

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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. : 570667 **Lot No.:** A0187679

Description : 8270 Supplemental Standard #1

8270 Supplemental Standard #1 1,000µg/mL, Methylene chloride, 1mL/ampul
Also described as 8270 List 2 / Std #1

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

Expiration Date : July 31, 2023 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Picoline **CAS #** 109-06-8 (Lot STBD4888V) **Purity** 99%	1,001.3 µg/mL	+/- 5.9476 µg/mL +/- 12.0317 µg/mL +/- 19.0889 µg/mL	Gravimetric Unstressed Stressed
2	N-Nitrosomethylethylamine **CAS #** 10595-95-6 (Lot 13236100) **Purity** 99%	1,003.3 µg/mL	+/- 5.9595 µg/mL +/- 12.0557 µg/mL +/- 19.1270 µg/mL	Gravimetric Unstressed Stressed
3	Acrylamide **CAS #** 79-06-1 (Lot 01402JA) **Purity** 99%	1,000.0 µg/mL	+/- 5.9397 µg/mL +/- 12.0157 µg/mL +/- 19.0635 µg/mL	Gravimetric Unstressed Stressed
4	N-Nitrosodiethylamine **CAS #** 55-18-5 (Lot UT2EJ) **Purity** 99%	1,002.7 µg/mL	+/- 5.9555 µg/mL +/- 12.0477 µg/mL +/- 19.1143 µg/mL	Gravimetric Unstressed Stressed
5	N-Nitrosopyrrolidine **CAS #** 930-55-2 (Lot 35-SSR-30-1) **Purity** 99%	1,002.7 µg/mL	+/- 5.9555 µg/mL +/- 12.0477 µg/mL +/- 19.1143 µg/mL	Gravimetric Unstressed Stressed
6	o-Toluidine **CAS #** 95-53-4 (Lot 03417PZ) **Purity** 99%	1,002.0 µg/mL	+/- 5.9516 µg/mL +/- 12.0397 µg/mL +/- 19.1016 µg/mL	Gravimetric Unstressed Stressed
7	N-Nitrosomorpholine **CAS #** 59-89-2 (Lot GOJNI) **Purity** 99%	1,003.3 µg/mL	+/- 5.9595 µg/mL +/- 12.0557 µg/mL +/- 19.1270 µg/mL	Gravimetric Unstressed Stressed

8	N-Nitrosopiperidine **CAS #** 100-75-4 **Purity** 99%	(Lot 12724500)	1,002.7	µg/mL	+/- 5.9555 +/- 12.0477 +/- 19.1143	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Phentermine (a,a-Dimethylphenethylamine) **CAS #** 122-09-8 **Purity** 98%	(Lot 220713RSR)	1,004.2	µg/mL	+/- 5.9645 +/- 12.0658 +/- 19.1430	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Quinoline **CAS #** 91-22-5 **Purity** 99%	(Lot UU6EC)	1,002.0	µg/mL	+/- 5.9516 +/- 12.0397 +/- 19.1016	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	N-Nitrosodi-n-butylamine **CAS #** 924-16-3 **Purity** 99%	(Lot 7BSAG)	1,000.7	µg/mL	+/- 5.9437 +/- 12.0237 +/- 19.0762	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	1,4-Phenylenediamine **CAS #** 106-50-3 **Purity** 99%	(Lot 13110400)	1,000.0	µg/mL	+/- 5.9397 +/- 12.0157 +/- 19.0635	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	1,4-Dinitrobenzene **CAS #** 100-25-4 **Purity** 99%	(Lot STBF8844V)	1,001.3	µg/mL	+/- 5.9476 +/- 12.0317 +/- 19.0889	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	1-Naphthylamine (1-aminonaphthalene) **CAS #** 134-32-7 **Purity** 99%	(Lot R7NAN-IP)	1,002.0	µg/mL	+/- 5.9516 +/- 12.0397 +/- 19.1016	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	2-Naphthylamine (2-aminonaphthalene) **CAS #** 91-59-8 **Purity** 99%	(Lot SLCD9388)	1,000.7	µg/mL	+/- 5.9437 +/- 12.0237 +/- 19.0762	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	5-Nitro-o-toluidine **CAS #** 99-55-8 **Purity** 99%	(Lot H67GL)	1,002.0	µg/mL	+/- 5.9516 +/- 12.0397 +/- 19.1016	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	1,3,5-Trinitrobenzene **CAS #** 99-35-4 **Purity** 99%	(Lot A6TDK)	1,004.7	µg/mL	+/- 5.9674 +/- 12.0717 +/- 19.1524	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Phenacetin **CAS #** 62-44-2 **Purity** 99%	(Lot 317935/11192)	1,002.0	µg/mL	+/- 5.9516 +/- 12.0397 +/- 19.1016	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	4-Aminobiphenyl **CAS #** 92-67-1 **Purity** 99%	(Lot SLCD6545)	1,002.0	µg/mL	+/- 5.9516 +/- 12.0397 +/- 19.1016	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Propyzamide **CAS #** 23950-58-5 **Purity** 99%	(Lot 13291100)	1,004.0	µg/mL	+/- 5.9635 +/- 12.0637 +/- 19.1397	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	Pentachloronitrobenzene (quintozene) **CAS #** 82-68-8 **Purity** 98%	(Lot 9889800)	999.6	µg/mL	+/- 5.9373 +/- 12.0109 +/- 19.0558	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	4-Nitroquinoline-N-oxide **CAS #** 56-57-5 **Purity** 98%	(Lot WXBD5722V)	1,002.9	µg/mL	+/- 5.9567 +/- 12.0501 +/- 19.1181	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	p-Dimethylaminoazobenzene **CAS #** 60-11-7 **Purity** 98%	(Lot BCBP8840V)	1,001.6	µg/mL	+/- 5.9490 +/- 12.0344 +/- 19.0932	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	3,3'-Dimethylbenzidine (o-tolidine) **CAS #** 119-93-7 **Purity** 99%	(Lot ELVJM)	1,000.7 µg/mL	+/- 5.9437 +/- 12.0237 +/- 19.0762	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	2-Acetylaminofluorene **CAS #** 53-96-3 **Purity** 99%	(Lot WZDQE)	1,000.0 µg/mL	+/- 5.9397 +/- 12.0157 +/- 19.0635	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	4,4'-Methylene-bis(2-chloroaniline) **CAS #** 101-14-4 **Purity** 97%	(Lot RP220401)	999.7 µg/mL	+/- 5.9382 +/- 12.0126 +/- 19.0586	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Dibenz(a,h)acridine **CAS #** 226-36-8 **Purity** 99%	(Lot 012016)	1,003.3 µg/mL	+/- 5.9595 +/- 12.0557 +/- 19.1270	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)

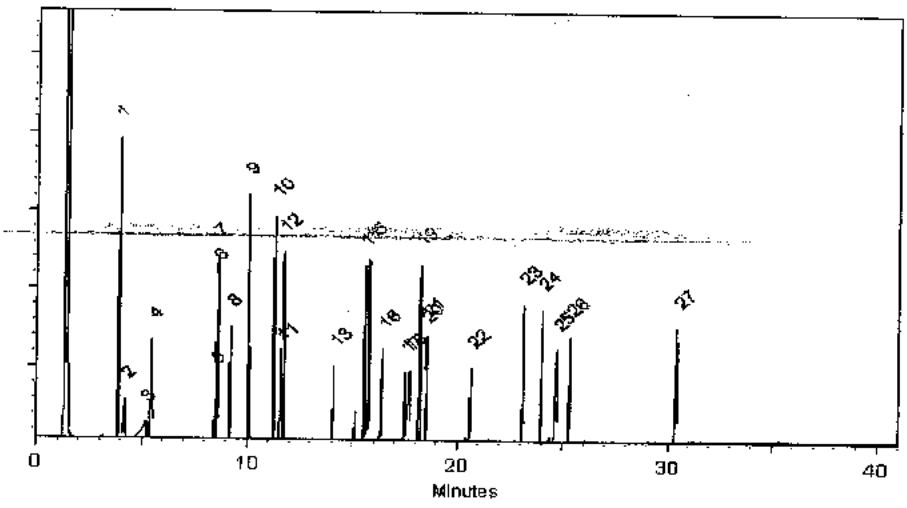
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°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.

Cathleen Soltis - Mix Technician

Date Mixed: 24-Jul-2022 **Balance:** B442140311

Christie Mills - Operations Tech II - ARM QC

Date Passed: 19-Sep-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

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OP-RES-APPX2-00009

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569733 **Lot No.:** A0185039

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

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

Expiration Date : May 31, 2023 **Storage:** -20°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	Methyl methanesulfonate		1,005.3 µg/mL	+/- 5.9714	µg/mL	Gravimetric
	CAS # 66-27-3	(Lot MKCL6261)		+/- 46.1961	µg/mL	Unstressed
	Purity 99%			+/- 47.3779	µg/mL	Stressed
2	Ethyl methanesulfonate		1,002.7 µg/mL	+/- 5.9555	µg/mL	Gravimetric
	CAS # 62-50-0	(Lot DGMLA)		+/- 46.0736	µg/mL	Unstressed
	Purity 99%			+/- 47.2522	µg/mL	Stressed
3	Pentachloroethane		1,001.3 µg/mL	+/- 5.9476	µg/mL	Gravimetric
	CAS # 76-01-7	(Lot 8170200)		+/- 46.0123	µg/mL	Unstressed
	Purity 99%			+/- 47.1893	µg/mL	Stressed
4	Hexachloropropene		1,004.7 µg/mL	+/- 5.9674	µg/mL	Gravimetric
	CAS # 1888-71-7	(Lot 44391/3)		+/- 46.1655	µg/mL	Unstressed
	Purity 99%			+/- 47.3464	µg/mL	Stressed
5	Isosafrole (cis & trans)		1,006.9 µg/mL	+/- 5.9804	µg/mL	Gravimetric
	CAS # 120-58-1	(Lot MKBZ0058V)		+/- 46.2662	µg/mL	Unstressed
	Purity 97%	16% cis; 84% trans		+/- 47.4498	µg/mL	Stressed
6	1-Chloronaphthalene		1,000.7 µg/mL	+/- 5.9437	µg/mL	Gravimetric
	CAS # 90-13-1	(Lot K2OBC)		+/- 45.9817	µg/mL	Unstressed
	Purity 99%			+/- 47.1579	µg/mL	Stressed
7	1,4-Naphthoquinone		1,004.7 µg/mL	+/- 5.9674	µg/mL	Gravimetric
	CAS # 130-15-4	(Lot 11385600)		+/- 46.1655	µg/mL	Unstressed
	Purity 99%			+/- 47.3464	µg/mL	Stressed

8	Pentachlorobenzene		1,005.3 µg/mL	+/-	5.9714	µg/mL	Gravimetric
	CAS # 608-93-5	(Lot MKCD4132)		+/-	46.1961	µg/mL	Unstressed
	Purity 99%			+/-	47.3779	µg/mL	Stressed
9	2,3,5,6-Tetrachlorophenol		1,004.0 µg/mL	+/-	5.9635	µg/mL	Gravimetric
	CAS # 935-95-5	(Lot 012016)		+/-	46.1348	µg/mL	Unstressed
	Purity 99%			+/-	47.3150	µg/mL	Stressed
10	Dinoseb		1,008.7 µg/mL	+/-	5.9912	µg/mL	Gravimetric
	CAS # 88-85-7	(Lot 50001)		+/-	46.3493	µg/mL	Unstressed
	Purity 99%			+/-	47.5349	µg/mL	Stressed
11	Isodrin		1,004.0 µg/mL	+/-	5.9635	µg/mL	Gravimetric
	CAS # 465-73-6	(Lot 13019000)		+/-	46.1348	µg/mL	Unstressed
	Purity 99%			+/-	47.3150	µg/mL	Stressed
12	Chlorobenzilate		1,001.3 µg/mL	+/-	5.9476	µg/mL	Gravimetric
	CAS # 510-15-6	(Lot 32633)		+/-	46.0123	µg/mL	Unstressed
	Purity 99%			+/-	47.1893	µg/mL	Stressed
13	7,12-Dimethylbenz(a)anthracene		1,002.2 µg/mL	+/-	5.9528	µg/mL	Gravimetric
	CAS # 57-97-6	(Lot SVZLK)		+/-	46.0527	µg/mL	Unstressed
	Purity 98%			+/-	47.2308	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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.
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- 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
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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.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

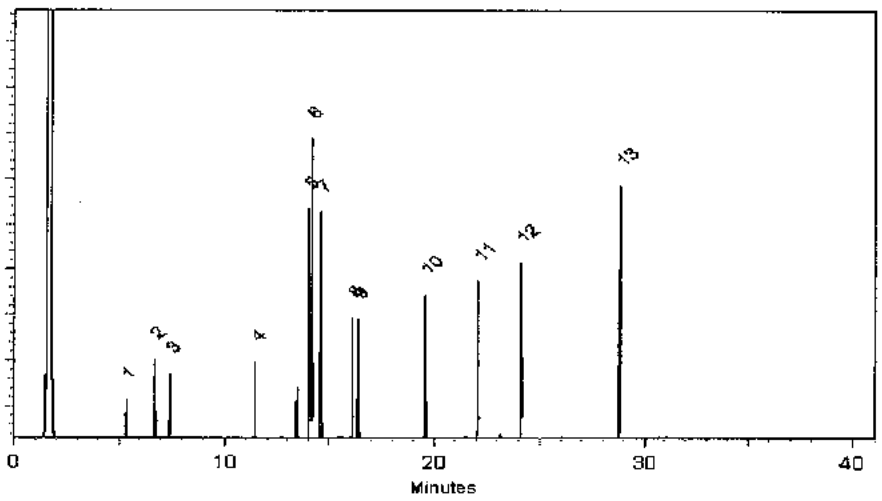
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°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.

Sam Moodler - Operations Tech I

Date Mixed: 08-May-2022 **Balance:** B442140311

Christie Mills - Operations Technician II

Date Passed: 24-May-2022

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

Reagent

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Certificate #3222.01

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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. : 567680 **Lot No.:** A0184674

Description : 8270 List 2 / Std #3

8270 List 2 / Std #3 2,000µg/mL, Methylene chloride, 1mL/ampul

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

Expiration Date : April 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	6-Methylchrysene **CAS #** 1705-85-7 (Lot 1) **Purity** 99%	2,003.0 µg/mL	+/- 11.7547 µg/mL +/- 90.2305 µg/mL +/- 100.1189 µg/mL	Gravimetric Unstressed Stressed
2	3-Methylcholanthrene **CAS #** 56-49-5 (Lot MKCM7171) **Purity** 98%	2,000.2 µg/mL	+/- 11.7382 µg/mL +/- 90.1034 µg/mL +/- 99.9779 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)

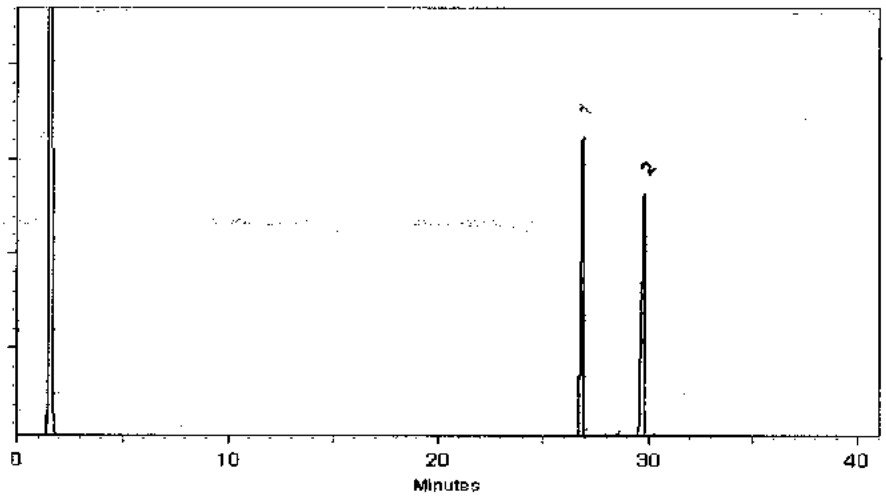
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°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.

Josh McCloskey - Operations Technician I

Date Mixed: 28-Apr-2022 **Balance:** B442140311

Christie Mills - Operations Technician II

Date Passed: 03-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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OP-RES-APPX4-00007

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 567681 **Lot No.:** A0180903

Description : 8270 List 2 / Std #4

8270 List 2 / Std #4 1,000µg/mL, Methylene chloride, 1mL/ampul

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

Expiration Date : January 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	o,o,o-Triethyl phosphorothioate		1,003.1 µg/mL	+/- 5.8869 µg/mL		Gravimetric
	CAS # 126-68-1	(Lot 2-KRR-57-1)		+/- 43.0285 µg/mL		Unstressed
	Purity 98%			+/- 43.0471 µg/mL		Stressed
2	Safrole		1,007.6 µg/mL	+/- 5.9132 µg/mL		Gravimetric
	CAS # 94-59-7	(Lot 322225/11292)		+/- 43.2204 µg/mL		Unstressed
	Purity 99%			+/- 43.2390 µg/mL		Stressed
3	Zinophos (thionazine)		1,002.4 µg/mL	+/- 5.8826 µg/mL		Gravimetric
	CAS # 297-97-2	(Lot 12739700)		+/- 42.9973 µg/mL		Unstressed
	Purity 99%			+/- 43.0159 µg/mL		Stressed
4	Sulfotepp		994.8 µg/mL	+/- 5.8382 µg/mL		Gravimetric
	CAS # 3689-24-5	(Lot 12741000)		+/- 42.6727 µg/mL		Unstressed
	Purity 97%			+/- 42.6911 µg/mL		Stressed
5	Diallate (cis and trans)		1,006.8 µg/mL	+/- 5.9087 µg/mL		Gravimetric
	CAS # 2303-16-4	(Lot 12562400)		+/- 43.1881 µg/mL		Unstressed
	Purity 96%	74% Cis isomer; 26% Trans isomer		+/- 43.2067 µg/mL		Stressed
6	Phorate		991.0 µg/mL	+/- 5.8155 µg/mL		Gravimetric
	CAS # 298-02-2	(Lot 12740900)		+/- 42.5063 µg/mL		Unstressed
	Purity 97%			+/- 42.5246 µg/mL		Stressed
7	Dimethoate		1,000.0 µg/mL	+/- 5.8686 µg/mL		Gravimetric
	CAS # 60-51-5	(Lot 12741200)		+/- 42.8944 µg/mL		Unstressed
	Purity 99%			+/- 42.9129 µg/mL		Stressed

8	Disulfoton		1,006.1	µg/mL	+/-	5.9042	µg/mL	Gravimetric
	CAS # 298-04-4	(Lot 12578200)			+/-	43.1552	µg/mL	Unstressed
	Purity 96%				+/-	43.1738	µg/mL	Stressed
9	Methyl parathion		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 298-00-0	(Lot 12741300)			+/-	42.8944	µg/mL	Unstressed
	Purity 99%				+/-	42.9129	µg/mL	Stressed
10	Parathion (Ethyl parathion)		1,004.4	µg/mL	+/-	5.8944	µg/mL	Gravimetric
	CAS # 56-38-2	(Lot 12740700)			+/-	43.0831	µg/mL	Unstressed
	Purity 99%				+/-	43.1017	µg/mL	Stressed
11	Aramite		1,005.3	µg/mL	+/-	5.8997	µg/mL	Gravimetric
	CAS # 140-57-8	(Lot 012019)			+/-	43.1222	µg/mL	Unstressed
	Purity 96%	2% Isomer I; 3% Isomer II; 48% Isomer III; 47% Isomer IV			+/-	43.1408	µg/mL	Stressed
12	Famphur		1,000.4	µg/mL	+/-	5.8708	µg/mL	Gravimetric
	CAS # 52-85-7	(Lot 12326000)			+/-	42.9108	µg/mL	Unstressed
	Purity 98%				+/-	42.9293	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

8	Disulfoton		1,006.1 µg/mL	+/-	5.9042	µg/mL	Gravimetric
	CAS # 298-04-4	(Lot 12578200)		+/-	43.1552	µg/mL	Unstressed
	Purity 96%			+/-	43.1738	µg/mL	Stressed
9	Methyl parathion		1,000.0 µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 298-00-0	(Lot 12741300)		+/-	42.8944	µg/mL	Unstressed
	Purity 99%			+/-	42.9129	µg/mL	Stressed
10	Parathion (Ethyl parathion)		1,004.4 µg/mL	+/-	5.8944	µg/mL	Gravimetric
	CAS # 56-38-2	(Lot 12740700)		+/-	43.0831	µg/mL	Unstressed
	Purity 99%			+/-	43.1017	µg/mL	Stressed
11	Aramite		1,005.3 µg/mL	+/-	5.8997	µg/mL	Gravimetric
	CAS # 140-57-8	(Lot 012019)		+/-	43.1222	µg/mL	Unstressed
	Purity 96%	2% Isomer I; 3% Isomer II; 48% Isomer III; 47% Isomer IV		+/-	43.1408	µg/mL	Stressed
12	Famphur		1,000.4 µg/mL	+/-	5.8708	µg/mL	Gravimetric
	CAS # 52-85-7	(Lot 12326000)		+/-	42.9108	µg/mL	Unstressed
	Purity 98%			+/-	42.9293	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

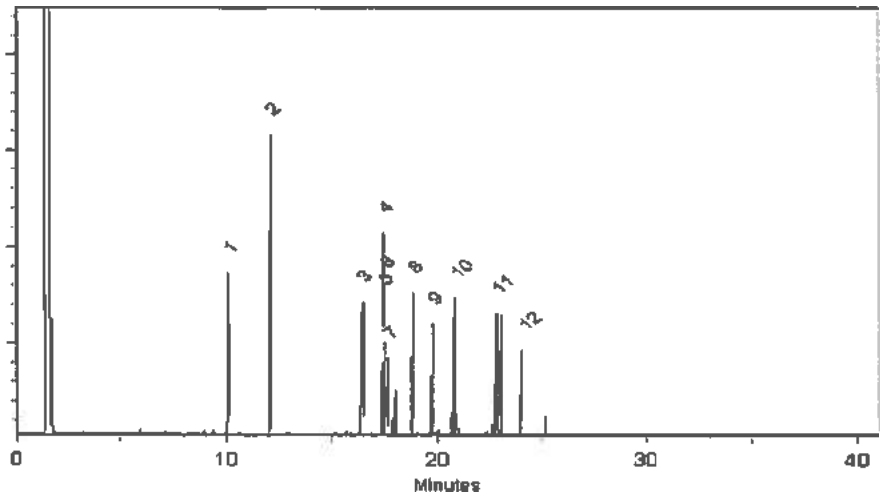
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°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.

Morgan Craighead - Mfg Technician

Date Mixed: 21-Jan-2022 **Balance:** B442140311

John Lidgett

John Lidgett - AD Chemist

Date Passed: 31-Jan-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 31661, which includes complete instructions.

Reagent

OP_RES_APPX6_00004

OP-RES-APPX6-00004
STN133426B

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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. : 568727 **Lot No.:** A0175669

Description : 8270 List 2/ Std #8 Dibenz(a,j)acridine

8270 List 2/ Std #8 Dibenz(a,j)acridine 2,000µg/mL, Methylene chloride, 1mL/ampul

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

Expiration Date : August 31, 2024 **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	Dibenz(a,j)acridine	2,011.8 µg/mL	+/- 11.8063	µg/mL	Gravimetric
	CAS # 224-42-0 (Lot 0012019)		+/- 90.6260	µg/mL	Unstressed
	Purity 97%		+/- 100.5578	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

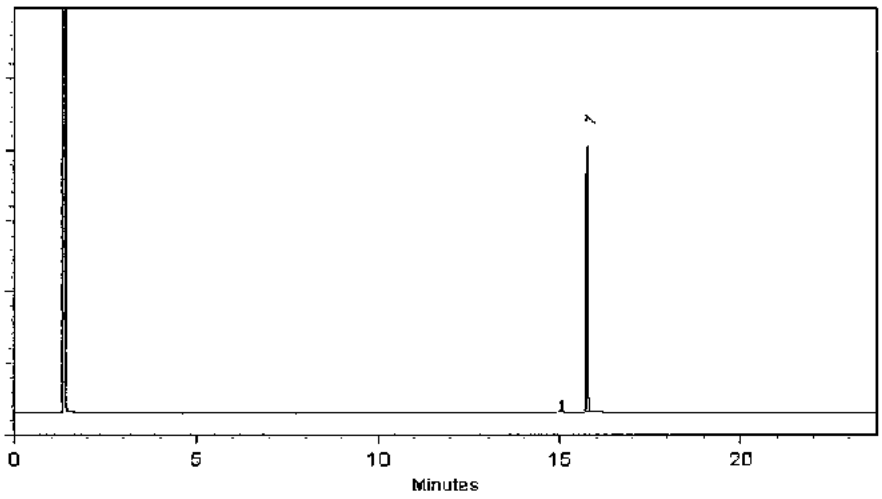
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.

Walker Workman - Operations Technician I

Date Mixed: 23-Aug-2021 **Balance:** 1128360905

Martina Cowan - Operations Tech I

Date Passed: 25-Aug-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_LCS1_00008

OP-RES-LCSI-00008

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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 **Lot No.:** A0179662

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 : June 30, 2023 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane	1,003.2 µg/mL	+/- 5.8327 µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBM9675)		+/- 11.9923 µg/mL	Unstressed
	Purity 99%		+/- 19.0856 µg/mL	Stressed
2	N-Nitrosodimethylamine	1,008.7 µg/mL	+/- 5.8645 µg/mL	Gravimetric
	CAS # 62-75-9 (Lot 210512JLM)		+/- 12.0577 µg/mL	Unstressed
	Purity 99%		+/- 19.1896 µg/mL	Stressed
3	Pyridine	2,012.7 µg/mL	+/- 11.7018 µg/mL	Gravimetric
	CAS # 110-86-1 (Lot SHBL0433)		+/- 24.0595 µg/mL	Unstressed
	Purity 99%		+/- 38.2904 µg/mL	Stressed
4	Phenol	1,004.1 µg/mL	+/- 5.8377 µg/mL	Gravimetric
	CAS # 108-95-2 (Lot MKCK1120)		+/- 12.0027 µg/mL	Unstressed
	Purity 99%		+/- 19.1021 µg/mL	Stressed
5	Aniline	1,004.5 µg/mL	+/- 5.8404 µg/mL	Gravimetric
	CAS # 62-53-3 (Lot X22F726)		+/- 12.0083 µg/mL	Unstressed
	Purity 99%		+/- 19.1110 µg/mL	Stressed
6	Bis(2-chloroethyl)ether	1,006.9 µg/mL	+/- 5.8544 µg/mL	Gravimetric
	CAS # 111-44-4 (Lot SHBL6942)		+/- 12.0369 µg/mL	Unstressed
	Purity 99%		+/- 19.1566 µg/mL	Stressed
7	n-Decane (C10)	1,006.1 µg/mL	+/- 5.8497 µg/mL	Gravimetric
	CAS # 124-18-5 (Lot SHBM1113)		+/- 12.0274 µg/mL	Unstressed
	Purity 99%		+/- 19.1414 µg/mL	Stressed

Reagent

OP_RES_LCS2_00008

OP-RESLCS2-00008

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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. : 569730 **Lot No.:** A0181121

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2023 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzidine **CAS #** 92-87-5 **Purity** 99%	(Lot 211228JLM)	2,010.0 µg/mL	+/- 11.6863 µg/mL +/- 24.0277 µg/mL +/- 38.2397 µg/mL		Gravimetric Unstressed Stressed
2	3,3'-Dichlorobenzidine **CAS #** 91-94-1 **Purity** 98%	(Lot 220202JLM)	2,000.0 µg/mL	+/- 11.6281 µg/mL +/- 23.9079 µg/mL +/- 38.0491 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

OP_RES_LCS3_00005

OP-RES-LCS3-00005

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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

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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. : 569731 **Lot No.:** A0180656

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2000 µg/mL, Methylene chloride, 5mL/ampul

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

Expiration Date : July 31, 2023 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Indene	2,001.4 µg/mL	+/- 11.6361 µg/mL	Gravimetric
	CAS # 95-13-6 (Lot DMKCB7043-1211)		+/- 112.2140 µg/mL	Unstressed
	Purity 98%		+/- 114.8397 µg/mL	Stressed
2	Benzoic acid	2,000.7 µg/mL	+/- 11.6324 µg/mL	Gravimetric
	CAS # 65-85-0 (Lot MKCL7479)		+/- 112.1791 µg/mL	Unstressed
	Purity 99%		+/- 114.8040 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

OP_RES_LCSadd_00001

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Fax: (814)353-1309

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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)

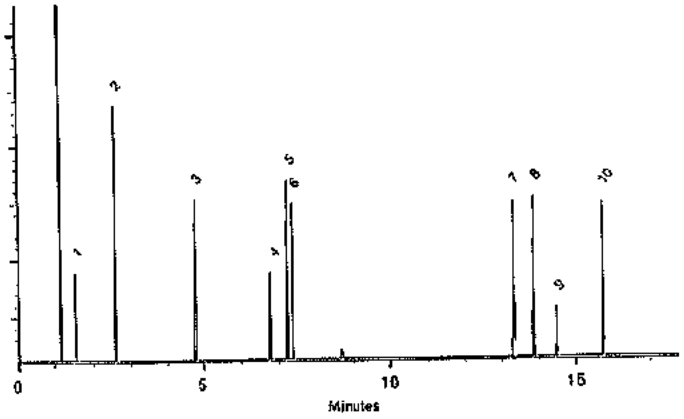
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

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 En Job No.: 410-115936-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): R-624SilMS 3 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
FBS010_022023	410-115936-1	107	105	100	93
Dup-01_022023	410-115936-2	105	104	101	93
FBW001_022023	410-115936-3	106	105	101	92
FB-01_022023	410-115936-4	104	101	101	93
Trip Blank_022023	410-115936-5	105	102	100	92
	MB 410-349446/9	103	103	101	94
	LCS 410-349446/5	101	104	101	98
FBS010-MS_022023 MS	410-115936-1 MS	103	101	102	97
FBS010-MSD_022023 MSD	410-115936-1 MSD	101	101	101	97

	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YM02X04.D

Lab ID: LCS 410-349446/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	18.4	92	67-126	
1,1,2,2-Tetrachloroethane	20.0	19.2	96	72-120	
1,1,2-Trichloroethane	20.0	19.0	95	80-120	
1,1-Dichloroethane	20.0	18.2	91	80-120	
1,1-Dichloroethene	20.0	18.2	91	80-131	
1,2,4-Trichlorobenzene	20.0	18.3	91	63-120	
1,2,4-Trimethylbenzene	20.0	18.8	94	75-120	
1,2-Dibromo-3-Chloropropane	20.0	16.9	85	47-131	
1,2-Dibromoethane	20.0	19.3	96	77-120	
1,2-Dichlorobenzene	20.0	18.1	91	80-120	
1,2-Dichloroethane	20.0	18.3	92	73-124	
1,2-Dichloropropane	20.0	18.7	93	80-120	
1,3,5-Trimethylbenzene	20.0	18.9	95	75-120	
1,3-Dichlorobenzene	20.0	18.6	93	80-120	
1,4-Dichlorobenzene	20.0	19.8	99	80-120	
2-Butanone	250	231	92	59-135	
2-Hexanone	250	251	100	56-135	
4-Methyl-2-pentanone	250	246	98	62-133	
Acetone	250	244	97	54-157	
Benzene	20.0	19.0	95	80-120	
Bromodichloromethane	20.0	18.6	93	71-120	
Bromoform	20.0	18.6	93	51-120	
Bromomethane	20.0	14.5	73	53-128	
Carbon disulfide	20.0	17.0	85	65-128	
Carbon tetrachloride	20.0	18.4	92	64-134	
Chlorobenzene	20.0	18.5	93	80-120	
Chloroethane	20.0	16.2	81	55-123	
Chloroform	20.0	18.4	92	80-120	
Chloromethane	20.0	13.6	68	56-121	
cis-1,2-Dichloroethene	20.0	19.7	98	80-125	
cis-1,3-Dichloropropene	20.0	18.1	91	75-120	
Cyclohexane	20.0	16.0	80	68-126	
Dibromochloromethane	20.0	18.8	94	71-120	
Dichlorodifluoromethane	20.0	11.2	56	41-127	
Ethylbenzene	20.0	18.6	93	80-120	
Freon 113	20.0	15.4	77	73-139	
Isopropylbenzene	20.0	18.9	95	80-120	
Methyl acetate	20.0	20.2	101	54-136	
Methyl tertiary butyl ether	20.0	17.0	85	69-122	
Methylcyclohexane	20.0	15.8	79	67-121	
Methylene Chloride	20.0	19.0	95	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YM02X04.D

Lab ID: LCS 410-349446/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Styrene	20.0	18.7	93	80-120	
Tetrachloroethene	20.0	18.5	92	80-120	
Toluene	20.0	18.8	94	80-120	
trans-1,2-Dichloroethene	20.0	18.3	91	80-126	
trans-1,3-Dichloropropene	20.0	18.4	92	67-120	
Trichloroethene	20.0	18.5	92	80-120	
Trichlorofluoromethane	20.0	12.4	62	55-135	
Vinyl chloride	20.0	13.6	68	56-120	
Xylenes, Total	60.0	55.7	93	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YM02X15.D

Lab ID: 410-115936-1 MS Client ID: FBS010-MS_022023 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	20.1	101	67-126	
1,1,2,2-Tetrachloroethane	20.0	ND	19.6	98	72-120	
1,1,2-Trichloroethane	20.0	ND	19.3	97	80-120	
1,1-Dichloroethane	20.0	ND	19.4	97	80-120	
1,1-Dichloroethene	20.0	ND	20.2	101	80-131	
1,2,4-Trichlorobenzene	20.0	ND	18.7	93	63-120	
1,2,4-Trimethylbenzene	20.0	ND	19.9	99	75-120	
1,2-Dibromo-3-Chloropropane	20.0	ND	16.9	84	47-131	
1,2-Dibromoethane	20.0	ND	19.4	97	77-120	
1,2-Dichlorobenzene	20.0	ND	19.4	97	80-120	
1,2-Dichloroethane	20.0	ND	19.3	97	73-124	
1,2-Dichloropropane	20.0	ND	19.7	99	80-120	
1,3,5-Trimethylbenzene	20.0	ND	20.1	101	75-120	
1,3-Dichlorobenzene	20.0	ND	19.8	99	80-120	
1,4-Dichlorobenzene	20.0	ND	20.8	104	80-120	
2-Butanone	250	ND	231	92	59-135	
2-Hexanone	250	ND	251	100	56-135	
4-Methyl-2-pentanone	250	ND	247	99	62-133	
Acetone	250	ND	251	101	54-157	
Benzene	20.0	ND	20.4	102	80-120	
Bromodichloromethane	20.0	ND	19.7	99	71-120	
Bromoform	20.0	ND	19.1	96	51-120	
Bromomethane	20.0	ND	16.1	80	53-128	
Carbon disulfide	20.0	ND	18.7	93	65-128	
Carbon tetrachloride	20.0	ND	20.3	101	64-134	
Chlorobenzene	20.0	ND	19.6	98	80-120	
Chloroethane	20.0	ND	17.5	87	55-123	
Chloroform	20.0	ND	19.9	100	80-120	
Chloromethane	20.0	ND	13.8	69	56-121	
cis-1,2-Dichloroethene	20.0	ND	20.7	104	80-125	
cis-1,3-Dichloropropene	20.0	ND	18.3	91	75-120	
Cyclohexane	20.0	ND	19.1	95	68-126	
Dibromochloromethane	20.0	ND	19.5	98	71-120	
Dichlorodifluoromethane	20.0	ND	14.4	72	41-127	
Ethylbenzene	20.0	ND	19.8	99	80-120	
Freon 113	20.0	ND	19.3	96	73-139	
Isopropylbenzene	20.0	ND	20.1	100	80-120	
Methyl acetate	20.0	ND	21.8	109	54-136	
Methyl tertiary butyl ether	20.0	ND	16.9	85	69-122	
Methylcyclohexane	20.0	ND	19.4	97	67-121	
Methylene Chloride	20.0	ND	19.9	100	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YM02X15.D

Lab ID: 410-115936-1 MS Client ID: FBS010-MS_022023 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Styrene	20.0	ND	19.7	98	80-120	
Tetrachloroethene	20.0	ND	20.5	102	80-120	
Toluene	20.0	ND	19.9	100	80-120	
trans-1,2-Dichloroethene	20.0	ND	20.2	101	80-126	
trans-1,3-Dichloropropene	20.0	ND	18.6	93	67-120	
Trichloroethene	20.0	ND	20.1	100	80-120	
Trichlorofluoromethane	20.0	ND	14.3	72	55-135	
Vinyl chloride	20.0	ND	15.4	77	56-120	
Xylenes, Total	60.0	ND	58.8	98	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YM02X16.D

Lab ID: 410-115936-1 MSD Client ID: FBS010-MSD_022023 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	20.2	101	0	30	67-126	
1,1,2,2-Tetrachloroethane	20.0	19.5	97	0	30	72-120	
1,1,2-Trichloroethane	20.0	19.2	96	1	30	80-120	
1,1-Dichloroethane	20.0	19.6	98	1	30	80-120	
1,1-Dichloroethene	20.0	20.2	101	0	30	80-131	
1,2,4-Trichlorobenzene	20.0	19.4	97	4	30	63-120	
1,2,4-Trimethylbenzene	20.0	19.9	99	0	30	75-120	
1,2-Dibromo-3-Chloropropane	20.0	17.1	86	1	30	47-131	
1,2-Dibromoethane	20.0	19.9	99	3	30	77-120	
1,2-Dichlorobenzene	20.0	19.4	97	0	30	80-120	
1,2-Dichloroethane	20.0	18.9	94	2	30	73-124	
1,2-Dichloropropane	20.0	19.8	99	1	30	80-120	
1,3,5-Trimethylbenzene	20.0	20.3	101	1	30	75-120	
1,3-Dichlorobenzene	20.0	19.7	98	1	30	80-120	
1,4-Dichlorobenzene	20.0	20.5	102	1	30	80-120	
2-Butanone	250	230	92	1	30	59-135	
2-Hexanone	250	250	100	0	30	56-135	
4-Methyl-2-pentanone	250	246	99	0	30	62-133	
Acetone	250	246	99	2	30	54-157	
Benzene	20.0	20.3	101	0	30	80-120	
Bromodichloromethane	20.0	19.6	98	1	30	71-120	
Bromoform	20.0	19.0	95	1	30	51-120	
Bromomethane	20.0	16.6	83	3	30	53-128	
Carbon disulfide	20.0	18.5	92	1	30	65-128	
Carbon tetrachloride	20.0	20.6	103	2	30	64-134	
Chlorobenzene	20.0	19.8	99	1	30	80-120	
Chloroethane	20.0	18.0	90	3	30	55-123	
Chloroform	20.0	19.5	98	2	30	80-120	
Chloromethane	20.0	15.0	75	9	30	56-121	
cis-1,2-Dichloroethene	20.0	20.8	104	1	30	80-125	
cis-1,3-Dichloropropene	20.0	18.2	91	0	30	75-120	
Cyclohexane	20.0	19.2	96	1	30	68-126	
Dibromochloromethane	20.0	19.5	97	0	30	71-120	
Dichlorodifluoromethane	20.0	14.7	74	2	30	41-127	
Ethylbenzene	20.0	19.8	99	0	30	80-120	
Freon 113	20.0	19.2	96	0	30	73-139	
Isopropylbenzene	20.0	20.2	101	1	30	80-120	
Methyl acetate	20.0	17.2	86	23	30	54-136	
Methyl tertiary butyl ether	20.0	17.1	85	1	30	69-122	
Methylcyclohexane	20.0	19.6	98	1	30	67-121	
Methylene Chloride	20.0	19.6	98	2	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YM02X16.D

Lab ID: 410-115936-1 MSD Client ID: FBS010-MSD_022023 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	20.0	19.6	98	1	30	80-120	
Tetrachloroethene	20.0	20.5	102	0	30	80-120	
Toluene	20.0	20.0	100	0	30	80-120	
trans-1,2-Dichloroethene	20.0	19.9	99	1	30	80-126	
trans-1,3-Dichloropropene	20.0	18.6	93	0	30	67-120	
Trichloroethene	20.0	20.0	100	0	30	80-120	
Trichlorofluoromethane	20.0	14.8	74	3	30	55-135	
Vinyl chloride	20.0	15.9	80	3	30	56-120	
Xylenes, Total	60.0	58.8	98	0	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.: 410-115936-1

SDG No.:

Lab File ID: YM02X08.D Lab Sample ID: MB 410-349446/9

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

Instrument ID: 9355 Date Analyzed: 03/02/2023 12:19

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 410-349446/5	YM02X04.D	03/02/2023 10:51
FB-01_022023	410-115936-4	YM02X10.D	03/02/2023 13:15
Trip Blank_022023	410-115936-5	YM02X11.D	03/02/2023 13:38
FBS010_022023	410-115936-1	YM02X14.D	03/02/2023 14:44
FBS010-MS_022023 MS	410-115936-1 MS	YM02X15.D	03/02/2023 15:05
FBS010-MSD_022023 MSD	410-115936-1 MSD	YM02X16.D	03/02/2023 15:28
Dup-01_022023	410-115936-2	YM02X19.D	03/02/2023 16:33
FBW001_022023	410-115936-3	YM02X20.D	03/02/2023 16:55

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Lab File ID: YF17TA1.D BFB Injection Date: 02/20/2023

Instrument ID: 9355 BFB Injection Time: 15:44

Analysis Batch No.: 346157

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.9	
75	30.0 - 60.0 % of mass 95	48.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	80.9	
175	5.0 - 9.0 % of mass 174	5.8	(7.2) 1
176	95.0 - 101.0 % of mass 174	78.2	(96.7) 1
177	5.0 - 9.0 % of mass 176	5.1	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-346157/12	YF17I11.D	02/20/2023	16:20
	IC 410-346157/13	YF17I12.D	02/20/2023	16:42
	IC 410-346157/14	YF17I13.D	02/20/2023	17:04
	IC 410-346157/15	YF17I14.D	02/20/2023	17:26
	ICIS 410-346157/16	YF17I15.D	02/20/2023	17:48
	IC 410-346157/17	YF17I16.D	02/20/2023	18:10
	IC 410-346157/18	YF17I17.D	02/20/2023	18:32
	ICV 410-346157/20	YF17V11.D	02/20/2023	19:16

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Lab File ID: YM02T02.D BFB Injection Date: 03/02/2023

Instrument ID: 9355 BFB Injection Time: 09:22

Analysis Batch No.: 349446

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.4	
75	30.0 - 60.0 % of mass 95	48.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	86.3	
175	5.0 - 9.0 % of mass 174	6.3	(7.3) 1
176	95.0 - 101.0 % of mass 174	86.3	(100.0) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-349446/3	YM02X02.D	03/02/2023	10:07
	LCS 410-349446/5	YM02X04.D	03/02/2023	10:51
	MB 410-349446/9	YM02X08.D	03/02/2023	12:19
FB-01_022023	410-115936-4	YM02X10.D	03/02/2023	13:15
Trip Blank_022023	410-115936-5	YM02X11.D	03/02/2023	13:38
FBS010_022023	410-115936-1	YM02X14.D	03/02/2023	14:44
FBS010-MS_022023 MS	410-115936-1 MS	YM02X15.D	03/02/2023	15:05
FBS010-MSD_022023 MSD	410-115936-1 MSD	YM02X16.D	03/02/2023	15:28
Dup-01_022023	410-115936-2	YM02X19.D	03/02/2023	16:33
FBW001_022023	410-115936-3	YM02X20.D	03/02/2023	16:55

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: ICIS 410-346157/16 Date Analyzed: 02/20/2023 17:48

Instrument ID: 9355 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): YF17I15.D Heated Purge: (Y/N) N

Calibration ID: 47345

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		693297	4.27	1238950	7.70	967708	11.19
UPPER LIMIT		1386594	4.77	2477900	8.20	1935416	11.69
LOWER LIMIT		346649	3.77	619475	7.20	483854	10.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-346157/20		631192	4.18	1274639	7.69	979914	11.19
CCVIS 410-349446/3		542382	4.18	1140528	7.70	886977	11.19

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
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: ICIS 410-346157/16 Date Analyzed: 02/20/2023 17:48

Instrument ID: 9355 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): YF17I15.D Heated Purge: (Y/N) N

Calibration ID: 47345

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		607264	13.09				
UPPER LIMIT		1214528	13.59				
LOWER LIMIT		303632	12.59				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-346157/20		608364	13.09				
CCVIS 410-349446/3		543366	13.09				

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
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: CCVIS 410-349446/3 Date Analyzed: 03/02/2023 10:07

Instrument ID: 9355 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): YM02X02.D Heated Purge: (Y/N) N

Calibration ID: 47345

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		542382	4.18	1140528	7.70	886977	11.19
UPPER LIMIT		1084764	4.68	2281056	8.20	1773954	11.69
LOWER LIMIT		271191	3.68	570264	7.20	443489	10.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-349446/5		533237	4.23	1102309	7.69	844775	11.19
MB 410-349446/9		534504	4.24	1092794	7.70	808566	11.19
410-115936-4	FB-01_022023	508761	4.20	1050918	7.69	779966	11.19
410-115936-5	Trip Blank_022023	507632	4.21	1071924	7.70	800200	11.19
410-115936-1	FBS010_022023	485005	4.22	1028565	7.70	764222	11.19
410-115936-1 MS	FBS010-MS_022023 MS	511675	4.25	1097766	7.69	843875	11.19
410-115936-1 MSD	FBS010-MSD_022023 MSD	518572	4.26	1089544	7.69	838273	11.19
410-115936-2	Dup-01_022023	529122	4.23	1062054	7.69	786985	11.19
410-115936-3	FBW001_022023	476891	4.23	1034090	7.70	765185	11.19

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
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: CCVIS 410-349446/3 Date Analyzed: 03/02/2023 10:07

Instrument ID: 9355 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): YM02X02.D Heated Purge: (Y/N) N

Calibration ID: 47345

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		543366	13.09				
UPPER LIMIT		1086732	13.59				
LOWER LIMIT		271683	12.59				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-349446/5		520987	13.09				
MB 410-349446/9		483370	13.09				
410-115936-4	FB-01_022023	474054	13.09				
410-115936-5	Trip Blank_022023	482345	13.09				
410-115936-1	FBS010_022023	458918	13.09				
410-115936-1 MS	FBS010-MS_022023 MS	518683	13.09				
410-115936-1 MSD	FBS010-MSD_022023 MSD	514476	13.09				
410-115936-2	Dup-01_022023	474867	13.09				
410-115936-3	FBW001_022023	446402	13.09				

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 I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010_022023
Lab Sample ID: 410-115936-1

Matrix: Water
Lab File ID: YM02X14.D

Analysis Method: 8260C
Date Collected: 02/16/2023 11:11

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 14:44

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.: 349446
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.: 410-115936-1

SDG No.:

Client Sample ID: FBS010_022023
Lab Sample ID: 410-115936-1

Matrix: Water
Lab File ID: YM02X14.D

Analysis Method: 8260C
Date Collected: 02/16/2023 11:11

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 14:44

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.: 349446
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)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X14.D
Lims ID: 410-115936-A-1
Client ID: FBS010_022023
Sample Type: Client
Inject. Date: 02-Mar-2023 14:44:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-015
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 19:17:03 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:51:30

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.909				ND	
3	Chlorodifluoromethane	51		1.966				ND	
2	Dichlorodifluoromethane	85		1.974				ND	
4	Chloromethane	50		2.167				ND	
5	Vinyl chloride	62		2.274				ND	
6	Butadiene	39		2.288				ND	7
7	2-Chloro-1,1,1-Trifluoroethane	118		2.353				ND	
8	Bromomethane	94		2.617				ND	
9	Chloroethane	64		2.689				ND	
10	Dichlorofluoromethane	67		2.932				ND	
11	Trichlorofluoromethane	101		3.003				ND	
12	Pentane	43		3.010				ND	7
13	Ethanol	45		3.053				ND	
14	Ethyl ether	59		3.218				ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		3.304				ND	
16	Acrolein	56		3.382				ND	
17	1,1-Dichloroethene	96		3.525				ND	
18	Acetone	58		3.547				ND	
19	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.568				ND	
20	Isopropyl alcohol	45		3.704				ND	7
21	Iodomethane	142		3.725				ND	
22	Carbon disulfide	76		3.840				ND	
23	Acetonitrile	41		3.904				ND	
24	Methyl acetate	43		3.969				ND	7
25	3-Chloro-1-propene	41		3.997				ND	
26	Methylene Chloride	84		4.176				ND	
* 27	t-Butyl alcohol-d10 (IS)	65	4.219	4.233	-0.014	33	485005	250.0	
28	2-Methyl-2-propanol	59		4.333				ND	
29	Acrylonitrile	53		4.490				ND	
30	Methyl tert-butyl ether	73		4.583				ND	
32	trans-1,2-Dichloroethene	96		4.612				ND	
33	Hexane	57		5.034				ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	35 Vinyl acetate	43		5.255				ND	
	34 1,1-Dichloroethane	63		5.256				ND	
	36 Isopropyl ether	45		5.320				ND	7
	37 2-Chloro-1,3-butadiene	53		5.370				ND	
T	38 Vinyl acetate (TIC)	43	5.413	5.420	-0.007	1	132	0.006417	
	39 Tert-butyl ethyl ether	59		5.856				ND	
	40 2-Butanone (MEK)	43		6.056				ND	7
	41 cis-1,2-Dichloroethene	96		6.092				ND	
	42 2,2-Dichloropropane	77		6.114				ND	
	43 Propionitrile	54		6.128				ND	
	44 Ethyl acetate	43		6.135				ND	
S	45 1,2-Dichloroethene, Total	100		6.155				ND	7
	177 Methyl acrylate	55		6.199				ND	
T	46 Ethyl Acetate TIC	43	6.271	6.284	-0.013	1	138	0.006708	
	47 Methacrylonitrile	67		6.350				ND	
	48 Chlorobromomethane	128		6.428				ND	
	49 Tetrahydrofuran	71		6.457				ND	
	50 Chloroform	83		6.571				ND	
$	51 Dibromofluoromethane (Surr)	113	6.793	6.793	0.000	94	272918	53.3	
	52 1,1,1-Trichloroethane	97		6.821				ND	
	53 Cyclohexane	56		6.936				ND	
	54 1,1-Dichloropropene	75		7.029				ND	
	55 Carbon tetrachloride	117		7.036				ND	
	56 Isobutyl alcohol	41		7.158				ND	
$	57 1,2-Dichloroethane-d4 (Surr)	102	7.265	7.250	0.015	43	65931	52.3	
	58 Benzene	78		7.293				ND	
	59 1,2-Dichloroethane	62		7.358				ND	
	60 Isopropyl acetate	43		7.365				ND	7
	61 Tert-amyl methyl ether	73		7.486				ND	
*	62 Fluorobenzene (IS)	96	7.701	7.694	0.007	99	1028565	50.0	
	63 n-Heptane	43		7.715				ND	7
	64 t-Amyl alcohol	73		7.842				ND	
	65 n-Butanol	56		8.044				ND	
	66 Trichloroethene	95		8.187				ND	
	191 Ethyl acrylate	55		8.287				ND	
	67 Methylcyclohexane	83		8.509				ND	
	68 1,2-Dichloropropane	63		8.516				ND	
	69 2-ethoxy-2-methyl butane	87		8.523				ND	
	70 Methyl methacrylate	69		8.595				ND	
	71 1,4-Dioxane	88		8.602				ND	
	72 Dibromomethane	93		8.630				ND	
	73 n-Propyl acetate	61		8.673				ND	
	74 Dichlorobromomethane	83		8.859				ND	
	75 2-Nitropropane	41		9.110				ND	
	76 2-Chloroethyl vinyl ether	63		9.224				ND	
	77 cis-1,3-Dichloropropene	75		9.410				ND	
	78 4-Methyl-2-pentanone (MIBK)	43		9.567				ND	7
$	79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	977783	50.1	
	80 Toluene	92		9.803				ND	
T	109 Ethyl acrylate TIC	55	9.724	10.000	-0.276	15	4276	0.2079	
T	102 n-Butyl acrylate TIC	55	9.724	10.000	-0.276	1	4276	0.2079	
T	103 1,1-Dichloro-1-fluoroethane TIC	81	9.746	10.000	-0.254	1	133	0.006465	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
T 104 1,1,1-Trichloro-2,2,2-trifluoroe	151	13.085	10.000	3.085	3	53973	2.62	
T 105 Epichlorohydrin TIC	57	9.732	10.000	-0.268	29	288	0.0140	
T 106 n-Nonane TIC	43		10.000				ND	
T 89 1,1,1-Trifluoro-2,2-dichloroetha	83	9.717	10.000	-0.283	1	559	0.0272	
T 108 2,3-Dichloro-1,3-butadiene TIC	51	9.746	10.000	-0.254	0	151	0.007340	
T 111 4-Ethyltoluene TIC	105	7.265	10.000	-2.735	1	417	0.0203	
T 100 Chloroacetaldehyde TIC	50	9.724	10.000	-0.276	21	22538	1.10	
T 112 1-Bromo-2-chloroethane TIC	63	9.717	10.000	-0.283	1	495	0.0241	
T 110 Propane TIC	43	9.975	10.000	-0.025	28	586	0.0285	
T 114 Chlorofluoromethane TIC	68	9.724	10.000	-0.276	15	10677	0.5190	
T 115 Vinyl Fluoride TIC	46		10.000				ND	
T 116 Hexachloroethane TIC	117	11.190	10.000	1.190	1	764222	37.1	
T 101 Isooctane TIC	57	9.732	10.000	-0.268	30	288	0.0140	
T 113 Diethoxymethane TIC	59	11.190	10.000	1.190	1	7318	0.3557	
T 107 Tetranitromethane TIC	46	9.717	10.000	-0.283	1	10623	0.5164	
T 88 2,3,4-Trichlorobutene TIC	109	13.085	10.000	3.085	0	1517	0.0737	
T 92 1,3-Dichlorobutene-2(total) TIC	89	11.190	10.000	1.190	8	6353	0.3088	7
T 90 Propionaldehyde TIC	58	9.724	10.000	-0.276	1	7538	0.3664	
T 83 Acetonitrile TIC	41	9.960	10.000	-0.040	1	539	0.0262	
T 84 Dichloro-1,1,2,2-tetrafluoroetha	85	11.190	10.000	1.190	1	4130	0.2008	
T 85 1-Chloro-1,1-difluoroethane TIC	65	9.732	10.000	-0.268	1	2261	0.1099	
T 86 1,1,2-Trifluoroethane TIC	51	9.746	10.000	-0.254	17	151	0.007340	
T 87 divinyl benzene TIC	131	1.695	10.000	-8.305	33	352	0.0171	
T 98 Propene oxide TIC	58		10.000				ND	
T 81 Propanol TIC								
T 82 tert-amyl alcohol TIC	59	11.190	10.000	1.190	3	7318	0.3557	
T 91 1-Chlorobutane TIC	56	9.782	10.000	-0.218	1	108	0.005250	
T 99 Bromoethane TIC	108	9.753	10.000	-0.247	1	111	0.005396	
T 93 Freon 115 TIC	85	11.190	10.000	1.190	1	4130	0.2008	
T 94 Ethylene oxide TIC	43	9.975	10.000	-0.025	63	586	0.0285	
T 95 1,2-Dichlorofluoroethane TIC	81	9.746	10.000	-0.254	1	133	0.006465	
T 96 Fluoromethane TIC	34		10.000				ND	
T 97 Allyl Alcohol TIC	57		10.000				ND	
117 trans-1,3-Dichloropropene	75		10.053				ND	
S 118 1,3-Dichloropropene, Total	100		10.060				ND	7
119 Ethyl methacrylate	69		10.118				ND	
120 1,1,2-Trichloroethane	97		10.261				ND	
121 Tetrachloroethene	166		10.361				ND	
122 1,3-Dichloropropane	76		10.425				ND	
123 3,4-Dichloro-1-butene	75		10.461				ND	
124 2-Hexanone	43		10.468				ND	
125 n-Butyl acetate	43		10.597				ND	7
126 Chlorodibromomethane	129		10.647				ND	
127 Ethylene Dibromide	107		10.761				ND	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	764222	50.0	
129 1-Chlorohexane	91		11.197				ND	U
130 Chlorobenzene	112		11.219				ND	
S 131 Xylenes, Total	106		11.245				ND	7
132 1,1,1,2-Tetrachloroethane	131		11.298				ND	
133 Ethylbenzene	91		11.305				ND	
134 m-Xylene & p-Xylene	106		11.419				ND	
269 n-Butyl acrylate	55		11.691				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
135 o-Xylene	106		11.748				ND	
136 Styrene	104		11.762				ND	
137 Bromoform	173		11.927				ND	
138 Isopropylbenzene	105		12.048				ND	
139 cis-1,4-Dichloro-2-butene	88		12.091				ND	
140 Cyclohexanone	55		12.120				ND	7
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	92	363982	46.6	
142 1,1,2,2-Tetrachloroethane	83		12.291				ND	
143 Bromobenzene	156		12.313				ND	
144 trans-1,4-Dichloro-2-butene	53		12.313				ND	
145 1,2,3-Trichloropropane	110		12.341				ND	
146 N-Propylbenzene	91		12.384				ND	
147 2-Chlorotoluene	126		12.456				ND	
148 1,3,5-Trimethylbenzene	105		12.520				ND	
149 4-Chlorotoluene	126		12.549				ND	
150 2,3,4-Trichlorobutene	109		12.574				ND	
151 tert-Butylbenzene	134		12.763				ND	
152 Pentachloroethane	167		12.792				ND	
153 1,2,4-Trimethylbenzene	105		12.799				ND	
154 sec-Butylbenzene	105		12.928				ND	
155 1,3-Dichlorobenzene	146		13.028				ND	
156 4-Isopropyltoluene	119		13.035				ND	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	458918	50.0	
158 1,4-Dichlorobenzene	146		13.099				ND	
159 1,2,3-Trimethylbenzene	105		13.107				ND	
160 Benzyl chloride	91		13.171				ND	7
161 1,3-Diethylbenzene	119		13.235				ND	
162 p-Diethylbenzene	119		13.307				ND	
163 n-Butylbenzene	92		13.328				ND	
164 1,2-Dichlorobenzene	146		13.357				ND	
165 o-diethylbenzene	119		13.378				ND	
268 2-Butoxyethyl acetate	43		13.514				ND	
166 Hexachloroethane	201		13.560				ND	
167 1,2-Dibromo-3-Chloropropane	75		13.900				ND	
168 1,3,5-Trichlorobenzene	180		14.036				ND	
169 1,2,4-Trichlorobenzene	180		14.458				ND	
267 2-Ethylhexyl acrylate	55		14.508				ND	
170 Hexachlorobutadiene	225		14.544				ND	
171 Naphthalene	128		14.637				ND	
172 1,2,3-Trichlorobenzene	180		14.780				ND	
173 2-Methylnaphthalene	142		15.416				ND	
174 C4-C10	1		0.000				ND	
196 C6-C12	1		0.000				ND	
S 197 divinyl benzene	1		0.000				ND	7
198 3-Methyl-1-butene	1		0.000				ND	
199 2,3-Dichloro-1,3-butadiene	1		0.000				ND	
200 Propene oxide	1		0.000				ND	
201 1,3-Divinylbenzene	1		0.000				ND	
202 Propanol	1		0.000				ND	
203 Diethoxymethane	1		0.000				ND	
204 1-Bromo-2-chloroethane	1		0.000				ND	
S 205 Total BTEX	1		0.000				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
206 1-Chlorobutane	1		0.000				ND	
207 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000				ND	
208 Isobutyl acetate	43		0.000				ND	
209 1,4-Divinylbenzene	1		0.000				ND	
210 tert-Butyl Formate	1		0.000				ND	
195 Chloroacetonitrile	1		0.000				ND	
211 trans-1,2,3-Trichlorobutene-2	1		0.000				ND	
194 cis-1,2,3-Trichlorobutene-2	1		0.000				ND	
192 3-chloro-1-Butene	1		0.000				ND	
175 Ethyl bromide	1		0.000				ND	
176 Methylal	1		0.000				ND	
178 n-Nonane	1		0.000				ND	
179 C5-C12	1		0.000				ND	
180 C6-C10	1		0.000				ND	
181 n-Octane	1		0.000				ND	
182 Undecane	1		0.000				ND	
183 C4-C12	1		0.000				ND	
S 184 Total Diethylbenzene	1		0.000				ND	7
185 1,1,2-Trichloro-1,2,2-trifluoroe	1		0.000				ND	
186 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
187 4-Ethyltoluene	1		0.000				ND	
188 Dodecane	57		0.000				ND	
189 sec-Butyl Alcohol	45		0.000				ND	
190 Butane	1		0.000				ND	
193 n-Decane	57		0.000				ND	
270 3-chloro-1-Butene TIC	1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP20_ISSS_00097 Amount Added: 1.00 Units: uL Run Reagent

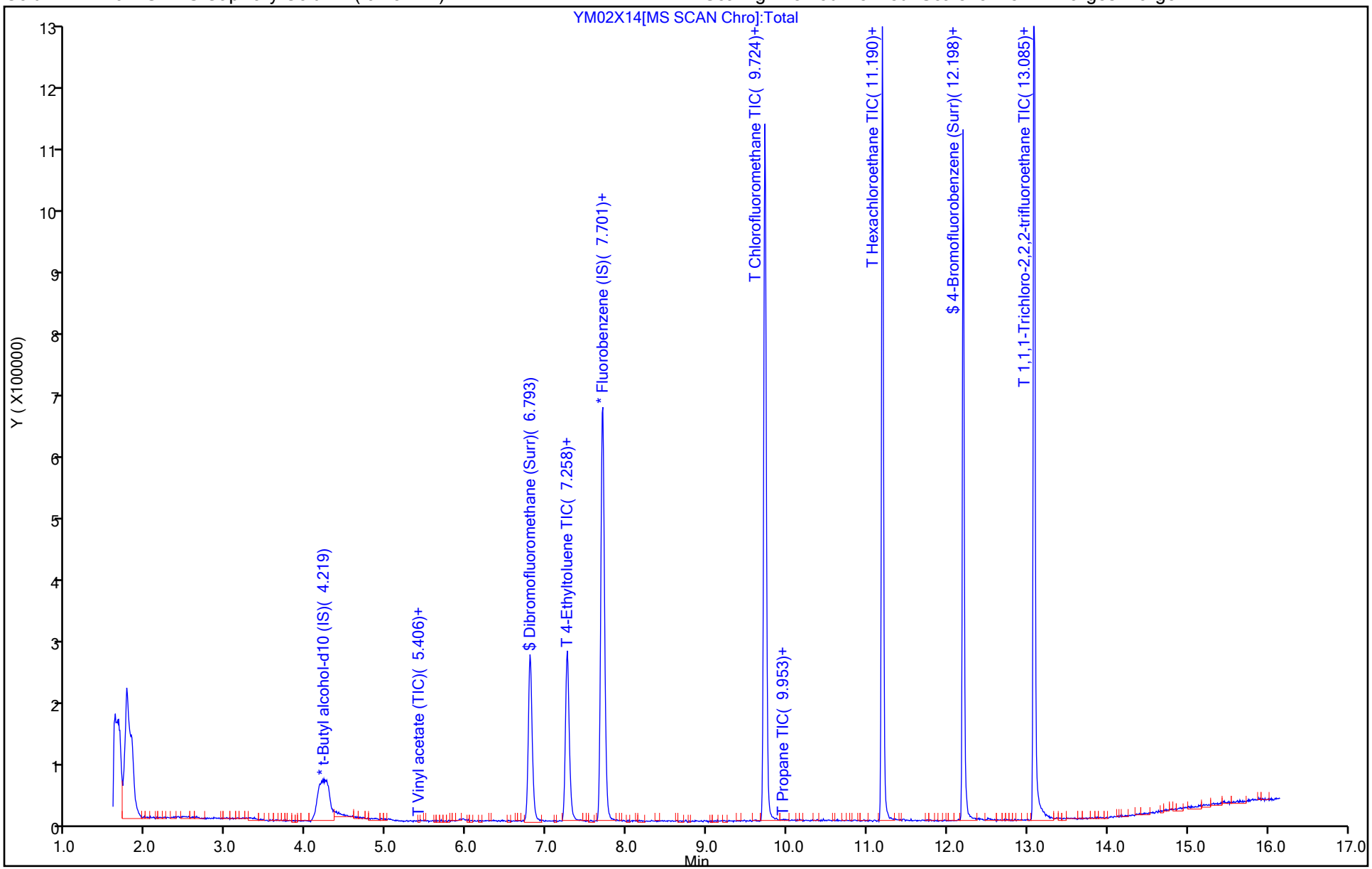
Report Date: 03-Mar-2023 10:51:30 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X14.D

Injection Date:	02-Mar-2023 14:44:30	Instrument ID:	9355	Operator ID:	clm27445
Lims ID:	410-115936-A-1	Lab Sample ID:	410-115936-1	Worklist Smp#:	15
Client ID:	FBS010_022023				
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X14.D				
Lims ID:	410-115936-A-1				
Client ID:	FBS010_022023				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 14:44:30	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0078093-015				
Operator ID:	clm27445	Instrument ID:	9355		
Method:	\\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Mar-2023 19:17:03	Calib Date:	20-Feb-2023 18:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1601				

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:51:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	53.3	106.57
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	52.3	104.50
$ 79 Toluene-d8 (Surr)	50.0	50.1	100.23
$ 141 4-Bromofluorobenzene (Surr)	50.0	46.6	93.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: Dup-01_022023
Lab Sample ID: 410-115936-2

Matrix: Water
Lab File ID: YM02X19.D

Analysis Method: 8260C
Date Collected: 02/16/2023 12:00

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 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.: 349446
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.: 410-115936-1

SDG No.:

Client Sample ID: Dup-01_022023
Lab Sample ID: 410-115936-2

Matrix: Water
Lab File ID: YM02X19.D

Analysis Method: 8260C
Date Collected: 02/16/2023 12:00

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 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.: 349446
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)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		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\20230302-78093.b\YM02X19.D
Lims ID: 410-115936-A-2
Client ID: Dup-01_022023
Sample Type: Client
Inject. Date: 02-Mar-2023 16:33:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-020
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 19:17:03 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:51:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.974				ND	
4 Chloromethane	50		2.167				ND	
5 Vinyl chloride	62		2.274				ND	
8 Bromomethane	94		2.617				ND	
9 Chloroethane	64		2.689				ND	
11 Trichlorofluoromethane	101		3.003				ND	
17 1,1-Dichloroethene	96		3.525				ND	
18 Acetone	58		3.547				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.568				ND	
22 Carbon disulfide	76		3.840				ND	
24 Methyl acetate	43		3.969				ND	
26 Methylene Chloride	84		4.176				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.226	4.233	-0.007	33	529122	250.0	
30 Methyl tert-butyl ether	73		4.583				ND	
32 trans-1,2-Dichloroethene	96		4.612				ND	
34 1,1-Dichloroethane	63		5.256				ND	
40 2-Butanone (MEK)	43		6.056				ND	7
41 cis-1,2-Dichloroethene	96		6.092				ND	
50 Chloroform	83		6.571				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.786	6.793	-0.007	94	277141	52.4	
52 1,1,1-Trichloroethane	97		6.821				ND	
53 Cyclohexane	56		6.936				ND	
55 Carbon tetrachloride	117		7.036				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.250	7.250	0.000	47	67790	52.0	
58 Benzene	78		7.293				ND	
59 1,2-Dichloroethane	62		7.358				ND	
* 62 Fluorobenzene (IS)	96	7.694	7.694	0.000	99	1062054	50.0	
66 Trichloroethene	95		8.187				ND	
67 Methylcyclohexane	83		8.509				ND	
68 1,2-Dichloropropane	63		8.516				ND	
74 Dichlorobromomethane	83		8.859				ND	
77 cis-1,3-Dichloropropene	75		9.410				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		9.567				ND	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1011106	50.3	
80 Toluene	92		9.803				ND	
117 trans-1,3-Dichloropropene	75		10.053				ND	
120 1,1,2-Trichloroethane	97		10.261				ND	
121 Tetrachloroethene	166		10.361				ND	
124 2-Hexanone	43		10.468				ND	7
126 Chlorodibromomethane	129		10.647				ND	
127 Ethylene Dibromide	107		10.761				ND	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	786985	50.0	
130 Chlorobenzene	112		11.219				ND	
S 131 Xylenes, Total	106		11.245				ND	7
133 Ethylbenzene	91		11.305				ND	
134 m-Xylene & p-Xylene	106		11.419				ND	
135 o-Xylene	106		11.748				ND	
136 Styrene	104		11.762				ND	
137 Bromoform	173		11.927				ND	
138 Isopropylbenzene	105		12.048				ND	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	92	374857	46.6	
142 1,1,2,2-Tetrachloroethane	83		12.291				ND	
148 1,3,5-Trimethylbenzene	105		12.520				ND	
153 1,2,4-Trimethylbenzene	105		12.799				ND	
155 1,3-Dichlorobenzene	146		13.028				ND	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	474867	50.0	
158 1,4-Dichlorobenzene	146		13.099				ND	
164 1,2-Dichlorobenzene	146		13.357				ND	
167 1,2-Dibromo-3-Chloropropane	75		13.900				ND	
169 1,2,4-Trichlorobenzene	180		14.458				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP20_ISSS_00097 Amount Added: 1.00 Units: uL Run Reagent

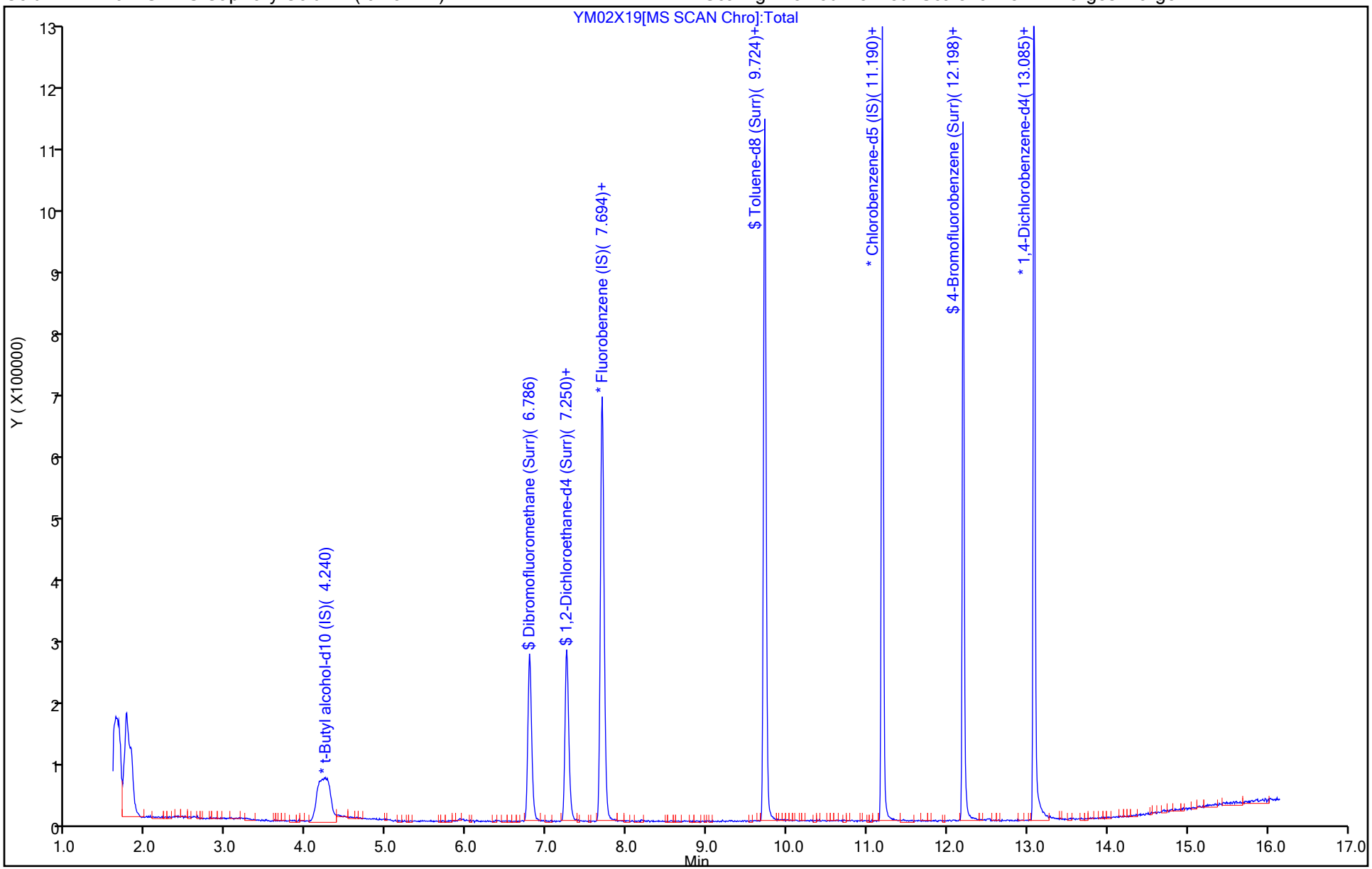
Report Date: 03-Mar-2023 10:51:57 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X19.D

Injection Date:	02-Mar-2023 16:33:30	Instrument ID:	9355	Operator ID:	clm27445
Lims ID:	410-115936-A-2	Lab Sample ID:	410-115936-2	Worklist Smp#:	20
Client ID:	Dup-01_022023				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
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\20230302-78093.b\YM02X19.D				
Lims ID:	410-115936-A-2				
Client ID:	Dup-01_022023				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 16:33:30	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0078093-020				
Operator ID:	clm27445	Instrument ID:	9355		
Method:	\\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Mar-2023 19:17:03	Calib Date:	20-Feb-2023 18:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1601				

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:51:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	52.4	104.81
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	52.0	104.06
$ 79 Toluene-d8 (Surr)	50.0	50.3	100.64
$ 141 4-Bromofluorobenzene (Surr)	50.0	46.6	93.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBW001_022023
Lab Sample ID: 410-115936-3

Matrix: Water
Lab File ID: YM02X20.D

Analysis Method: 8260C
Date Collected: 02/16/2023 10:57

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 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.: 349446
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.: 410-115936-1

SDG No.:

Client Sample ID: FBW001_022023
Lab Sample ID: 410-115936-3

Matrix: Water
Lab File ID: YM02X20.D

Analysis Method: 8260C
Date Collected: 02/16/2023 10:57

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 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.: 349446
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)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		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\20230302-78093.b\YM02X20.D
Lims ID: 410-115936-A-3
Client ID: FBW001_022023
Sample Type: Client
Inject. Date: 02-Mar-2023 16:55:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-021
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 19:17:03 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:52:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.974				ND	
4 Chloromethane	50		2.167				ND	
5 Vinyl chloride	62		2.274				ND	
8 Bromomethane	94		2.617				ND	
9 Chloroethane	64		2.689				ND	
11 Trichlorofluoromethane	101		3.003				ND	
17 1,1-Dichloroethene	96		3.525				ND	
18 Acetone	58		3.547				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.568				ND	
22 Carbon disulfide	76		3.840				ND	
24 Methyl acetate	43		3.969				ND	7
26 Methylene Chloride	84		4.176				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.233	4.233	0.000	31	476891	250.0	
30 Methyl tert-butyl ether	73		4.583				ND	
32 trans-1,2-Dichloroethene	96		4.612				ND	
34 1,1-Dichloroethane	63		5.256				ND	
40 2-Butanone (MEK)	43		6.056				ND	7
41 cis-1,2-Dichloroethene	96		6.092				ND	
50 Chloroform	83		6.571				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.793	0.000	94	274126	53.2	
52 1,1,1-Trichloroethane	97		6.821				ND	
53 Cyclohexane	56		6.936				ND	
55 Carbon tetrachloride	117		7.036				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.258	7.250	0.008	43	66481	52.4	
58 Benzene	78		7.293				ND	
59 1,2-Dichloroethane	62		7.358				ND	
* 62 Fluorobenzene (IS)	96	7.701	7.694	0.007	99	1034090	50.0	
66 Trichloroethene	95		8.187				ND	
67 Methylcyclohexane	83		8.509				ND	
68 1,2-Dichloropropane	63		8.516				ND	
74 Dichlorobromomethane	83		8.859				ND	
77 cis-1,3-Dichloropropene	75		9.410				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		9.567				ND	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	982618	50.3	
80 Toluene	92		9.803				ND	
117 trans-1,3-Dichloropropene	75		10.053				ND	
120 1,1,2-Trichloroethane	97		10.261				ND	
121 Tetrachloroethene	166		10.361				ND	
124 2-Hexanone	43		10.468				ND	7
126 Chlorodibromomethane	129		10.647				ND	
127 Ethylene Dibromide	107		10.761				ND	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	765185	50.0	
130 Chlorobenzene	112		11.219				ND	
S 131 Xylenes, Total	106		11.245				ND	7
133 Ethylbenzene	91		11.305				ND	
134 m-Xylene & p-Xylene	106		11.419				ND	
135 o-Xylene	106		11.748				ND	
136 Styrene	104		11.762				ND	
137 Bromoform	173		11.927				ND	
138 Isopropylbenzene	105		12.048				ND	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	92	359995	46.0	
142 1,1,2,2-Tetrachloroethane	83		12.291				ND	
148 1,3,5-Trimethylbenzene	105		12.520				ND	
153 1,2,4-Trimethylbenzene	105		12.799				ND	
155 1,3-Dichlorobenzene	146		13.028				ND	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	446402	50.0	
158 1,4-Dichlorobenzene	146		13.099				ND	
164 1,2-Dichlorobenzene	146		13.357				ND	
167 1,2-Dibromo-3-Chloropropane	75		13.900				ND	
169 1,2,4-Trichlorobenzene	180		14.458				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP20_ISSS_00097 Amount Added: 1.00 Units: uL Run Reagent

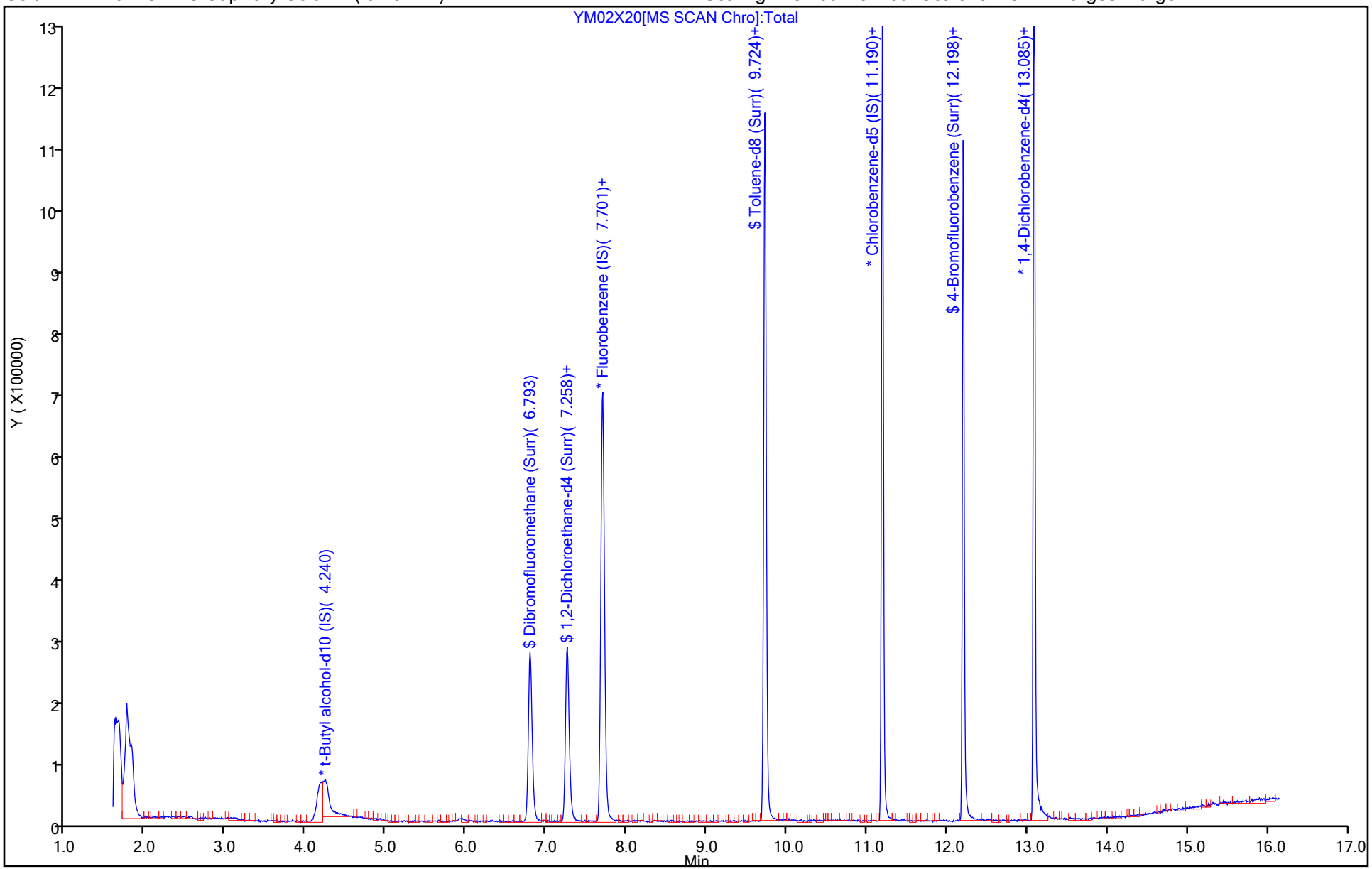
Report Date: 03-Mar-2023 10:52:04 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X20.D

Injection Date:	02-Mar-2023 16:55:30	Instrument ID:	9355	Operator ID:	clm27445
Lims ID:	410-115936-A-3	Lab Sample ID:	410-115936-3	Worklist Smp#:	21
Client ID:	FBW001_022023				
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\20230302-78093.b\YM02X20.D				
Lims ID:	410-115936-A-3				
Client ID:	FBW001_022023				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 16:55:30	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0078093-021				
Operator ID:	clm27445	Instrument ID:	9355		
Method:	\\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Mar-2023 19:17:03	Calib Date:	20-Feb-2023 18:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1601				

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:52:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	53.2	106.47
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	52.4	104.81
$ 79 Toluene-d8 (Surr)	50.0	50.3	100.60
$ 141 4-Bromofluorobenzene (Surr)	50.0	46.0	92.02

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FB-01_022023
Lab Sample ID: 410-115936-4

Matrix: Water
Lab File ID: YM02X10.D

Analysis Method: 8260C
Date Collected: 02/16/2023 10:57

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 13:15

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.: 349446
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	1.4		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.: 410-115936-1

SDG No.:

Client Sample ID: FB-01_022023
Lab Sample ID: 410-115936-4

Matrix: Water
Lab File ID: YM02X10.D

Analysis Method: 8260C
Date Collected: 02/16/2023 10:57

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 13:15

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.: 349446
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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		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\20230302-78093.b\YM02X10.D
Lims ID: 410-115936-A-4
Client ID: FB-01_022023
Sample Type: Client
Inject. Date: 02-Mar-2023 13:15:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-011
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 19:17:03 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:47:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.974				ND	
4 Chloromethane	50		2.167				ND	
5 Vinyl chloride	62		2.274				ND	
8 Bromomethane	94		2.617				ND	
9 Chloroethane	64		2.689				ND	
11 Trichlorofluoromethane	101		3.003				ND	
17 1,1-Dichloroethene	96		3.525				ND	
18 Acetone	58		3.547				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.568				ND	
22 Carbon disulfide	76		3.840				ND	
24 Methyl acetate	43		3.969				ND	7
26 Methylene Chloride	84		4.176				ND	7
* 27 t-Butyl alcohol-d10 (IS)	65	4.204	4.233	-0.029	34	508761	250.0	
30 Methyl tert-butyl ether	73		4.583				ND	
32 trans-1,2-Dichloroethene	96		4.612				ND	
34 1,1-Dichloroethane	63		5.256				ND	
40 2-Butanone (MEK)	43		6.056				ND	
41 cis-1,2-Dichloroethene	96		6.092				ND	
50 Chloroform	83	6.564	6.571	-0.007	94	18484	1.35	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.793	0.000	93	272279	52.0	
52 1,1,1-Trichloroethane	97		6.821				ND	
53 Cyclohexane	56		6.936				ND	
55 Carbon tetrachloride	117		7.036				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.250	7.250	0.000	43	65054	50.5	
58 Benzene	78		7.293				ND	
59 1,2-Dichloroethane	62		7.358				ND	7
* 62 Fluorobenzene (IS)	96	7.694	7.694	0.000	99	1050918	50.0	
66 Trichloroethene	95		8.187				ND	
67 Methylcyclohexane	83		8.509				ND	
68 1,2-Dichloropropane	63		8.516				ND	
74 Dichlorobromomethane	83		8.859				ND	
77 cis-1,3-Dichloropropene	75		9.410				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		9.567				ND	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1005548	50.5	
80 Toluene	92		9.803				ND	
117 trans-1,3-Dichloropropene	75		10.053				ND	
120 1,1,2-Trichloroethane	97		10.261				ND	
121 Tetrachloroethene	166		10.361				ND	
124 2-Hexanone	43		10.468				ND	
126 Chlorodibromomethane	129		10.647				ND	
127 Ethylene Dibromide	107		10.761				ND	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	779966	50.0	
130 Chlorobenzene	112		11.219				ND	
S 131 Xylenes, Total	106		11.245				ND	7
133 Ethylbenzene	91		11.305				ND	
134 m-Xylene & p-Xylene	106		11.419				ND	
135 o-Xylene	106		11.748				ND	
136 Styrene	104		11.762				ND	
137 Bromoform	173		11.927				ND	
138 Isopropylbenzene	105		12.048				ND	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	92	372859	46.7	
142 1,1,2,2-Tetrachloroethane	83		12.291				ND	
148 1,3,5-Trimethylbenzene	105		12.520				ND	
153 1,2,4-Trimethylbenzene	105		12.799				ND	
155 1,3-Dichlorobenzene	146		13.028				ND	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	474054	50.0	
158 1,4-Dichlorobenzene	146		13.099				ND	
164 1,2-Dichlorobenzene	146		13.357				ND	
167 1,2-Dibromo-3-Chloropropane	75		13.900				ND	
169 1,2,4-Trichlorobenzene	180		14.458				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP20_ISSS_00097 Amount Added: 1.00 Units: uL Run Reagent

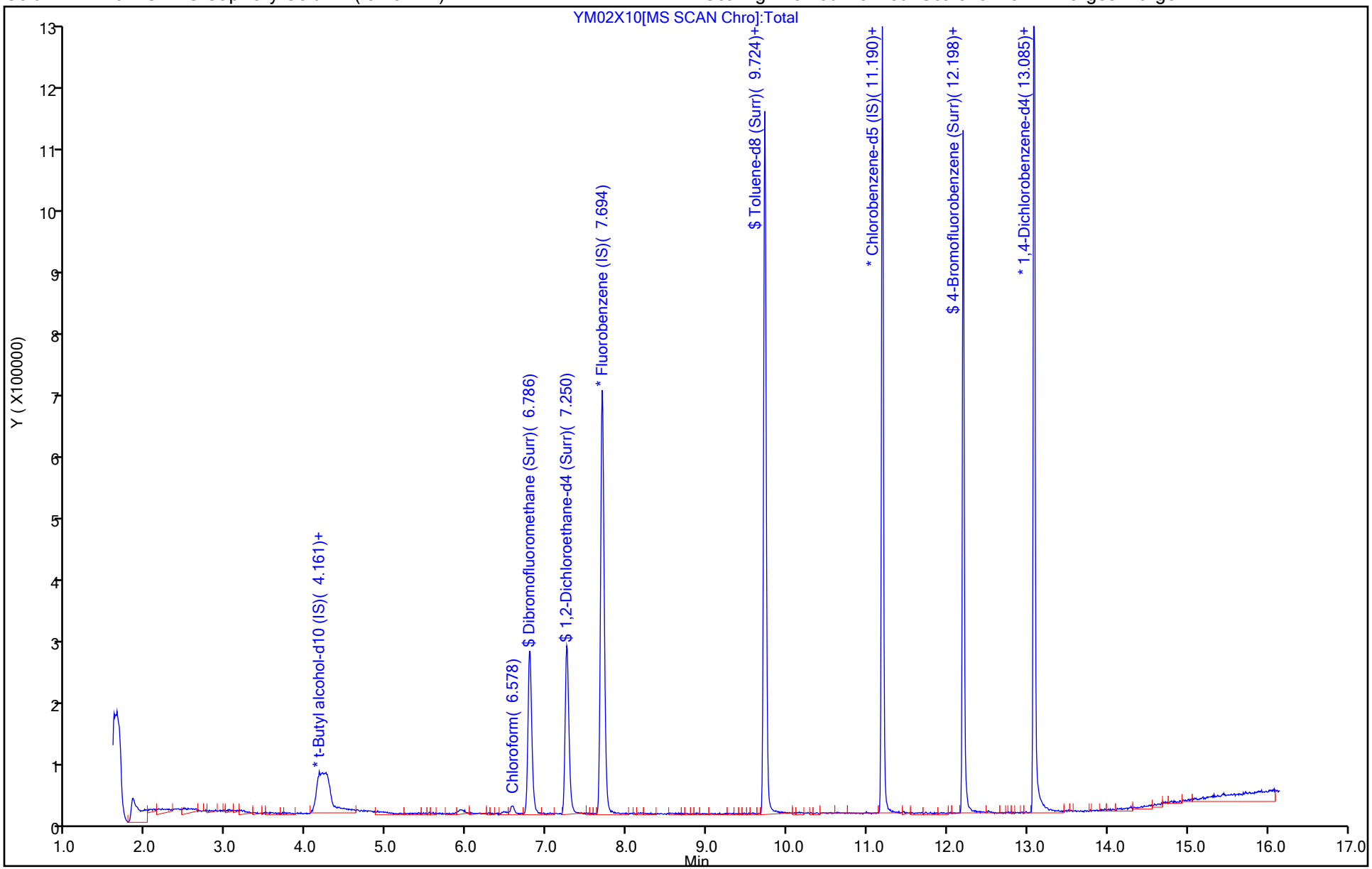
Report Date: 03-Mar-2023 10:47:37 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X10.D

Injection Date:	02-Mar-2023 13:15:30	Instrument ID:	9355	Operator ID:	clm27445
Lims ID:	410-115936-A-4	Lab Sample ID:	410-115936-4	Worklist Smp#:	11
Client ID:	FB-01_022023				
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\20230302-78093.b\YM02X10.D
Lims ID: 410-115936-A-4
Client ID: FB-01_022023
Sample Type: Client
Inject. Date: 02-Mar-2023 13:15:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-011
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 19:17:03 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:47:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	52.0	104.06
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	50.5	100.92
$ 79 Toluene-d8 (Surr)	50.0	50.5	100.99
$ 141 4-Bromofluorobenzene (Surr)	50.0	46.7	93.50

Report Date: 03-Mar-2023 10:47:37 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X10.D

Injection Date: 02-Mar-2023 13:15:30 Instrument ID: 9355

Lims ID: 410-115936-A-4 Lab Sample ID: 410-115936-4

Client ID: FB-01_022023

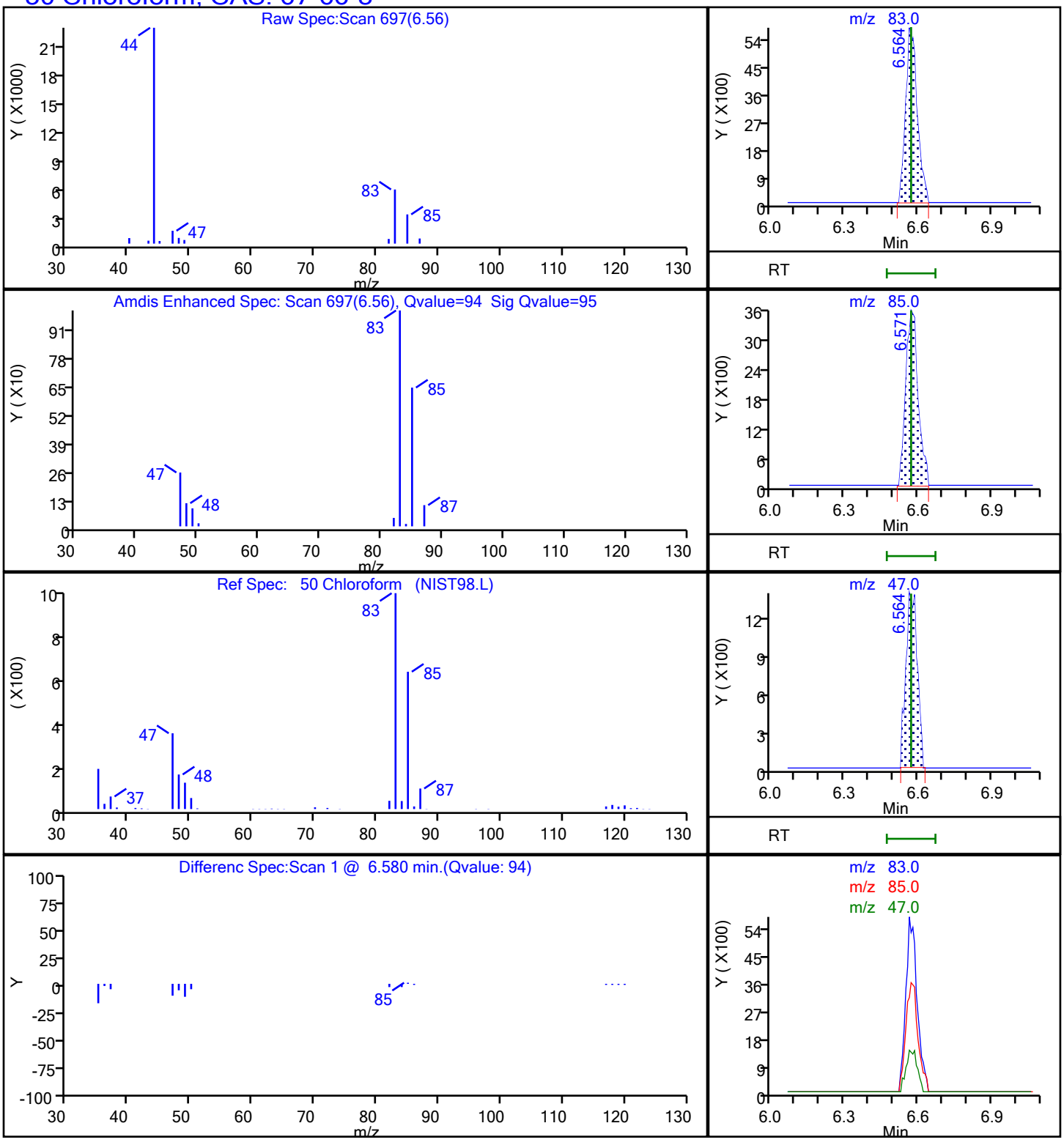
Operator ID: clm27445 ALS Bottle#: 10 Worklist Smp#: 11

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.: 410-115936-1

SDG No.:

Client Sample ID: Trip Blank_022023
Lab Sample ID: 410-115936-5

Matrix: Water
Lab File ID: YM02X11.D

Analysis Method: 8260C
Date Collected: 02/16/2023 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 13:38

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.: 349446
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.: 410-115936-1

SDG No.:

Client Sample ID: Trip Blank_022023
Lab Sample ID: 410-115936-5

Matrix: Water
Lab File ID: YM02X11.D

Analysis Method: 8260C
Date Collected: 02/16/2023 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 13:38

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.: 349446
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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X11.D
Lims ID: 410-115936-A-5
Client ID: Trip Blank_022023
Sample Type: Client
Inject. Date: 02-Mar-2023 13:38:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-012
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 19:17:03 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:47:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.974				ND	
4 Chloromethane	50		2.167				ND	
5 Vinyl chloride	62		2.274				ND	
8 Bromomethane	94		2.617				ND	
9 Chloroethane	64		2.689				ND	
11 Trichlorofluoromethane	101		3.003				ND	
17 1,1-Dichloroethene	96		3.525				ND	
18 Acetone	58		3.547				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.568				ND	
22 Carbon disulfide	76		3.840				ND	
24 Methyl acetate	43		3.969				ND	
26 Methylene Chloride	84		4.176				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.212	4.233	-0.021	32	507632	250.0	
30 Methyl tert-butyl ether	73		4.583				ND	
32 trans-1,2-Dichloroethene	96		4.612				ND	
34 1,1-Dichloroethane	63		5.256				ND	
40 2-Butanone (MEK)	43		6.056				ND	
41 cis-1,2-Dichloroethene	96		6.092				ND	
50 Chloroform	83		6.571				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.793	0.000	94	280702	52.6	
52 1,1,1-Trichloroethane	97		6.821				ND	
53 Cyclohexane	56		6.936				ND	
55 Carbon tetrachloride	117		7.036				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.258	7.250	0.008	43	67062	51.0	
58 Benzene	78		7.293				ND	
59 1,2-Dichloroethane	62		7.358				ND	
* 62 Fluorobenzene (IS)	96	7.701	7.694	0.007	99	1071924	50.0	
66 Trichloroethene	95		8.187				ND	
67 Methylcyclohexane	83		8.509				ND	
68 1,2-Dichloropropane	63		8.516				ND	
74 Dichlorobromomethane	83		8.859				ND	
77 cis-1,3-Dichloropropene	75		9.410				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		9.567				ND	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1024023	50.1	
80 Toluene	92		9.803				ND	
117 trans-1,3-Dichloropropene	75		10.053				ND	
120 1,1,2-Trichloroethane	97		10.261				ND	
121 Tetrachloroethene	166		10.361				ND	
124 2-Hexanone	43		10.468				ND	7
126 Chlorodibromomethane	129		10.647				ND	
127 Ethylene Dibromide	107		10.761				ND	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	800200	50.0	
130 Chlorobenzene	112		11.219				ND	
S 131 Xylenes, Total	106		11.245				ND	7
133 Ethylbenzene	91		11.305				ND	
134 m-Xylene & p-Xylene	106		11.419				ND	
135 o-Xylene	106		11.748				ND	
136 Styrene	104		11.762				ND	
137 Bromoform	173		11.927				ND	
138 Isopropylbenzene	105		12.048				ND	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	92	377144	46.1	
142 1,1,2,2-Tetrachloroethane	83		12.291				ND	
148 1,3,5-Trimethylbenzene	105		12.520				ND	
153 1,2,4-Trimethylbenzene	105		12.799				ND	
155 1,3-Dichlorobenzene	146		13.028				ND	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	482345	50.0	
158 1,4-Dichlorobenzene	146		13.099				ND	
164 1,2-Dichlorobenzene	146		13.357				ND	
167 1,2-Dibromo-3-Chloropropane	75		13.900				ND	
169 1,2,4-Trichlorobenzene	180		14.458				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

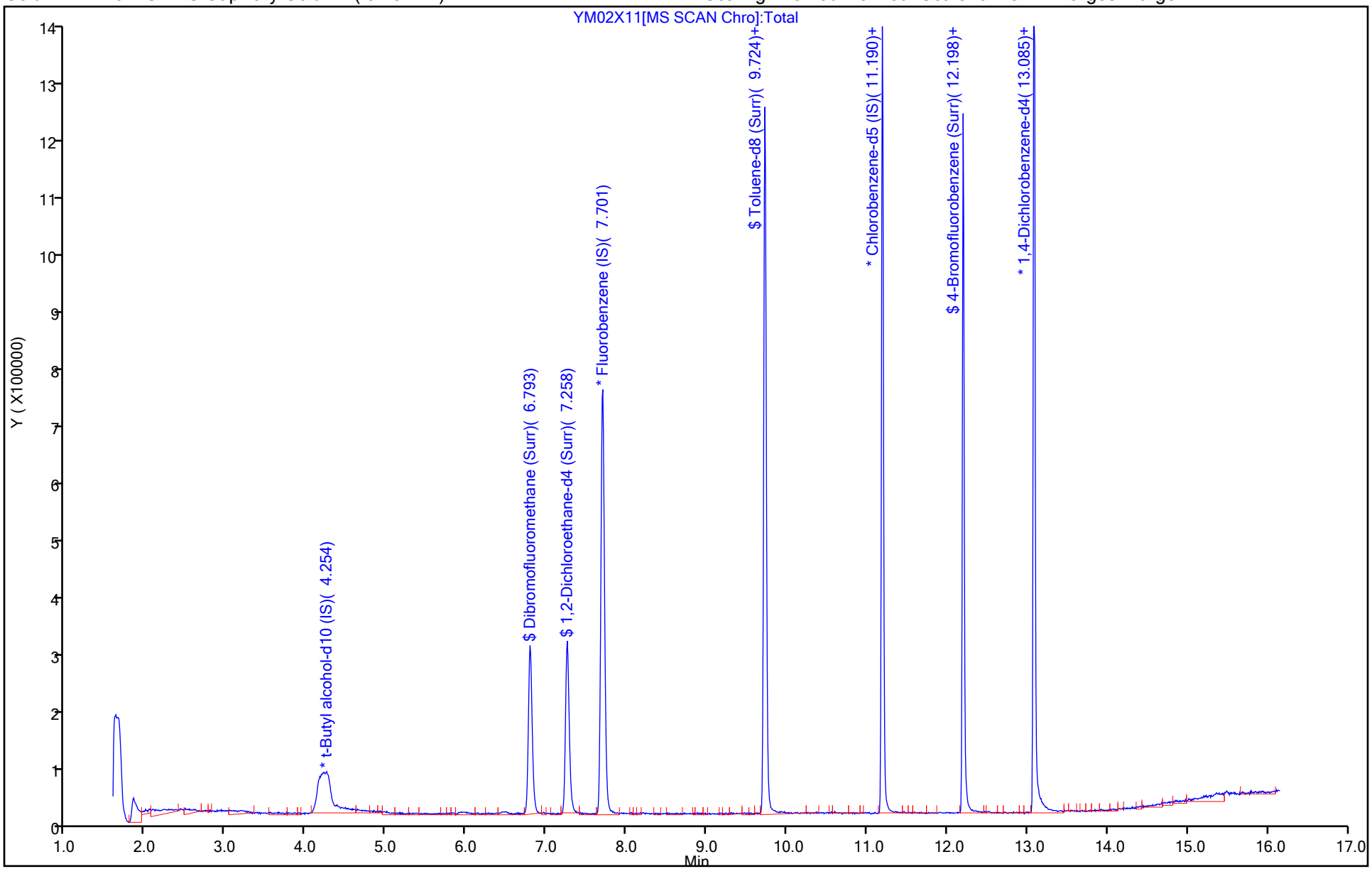
MSV_HP20_ISSS_00097 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 03-Mar-2023 10:47:42 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X11.D				
Injection Date:	02-Mar-2023 13:38:30	Instrument ID:	9355	Operator ID:	clm27445
Lims ID:	410-115936-A-5	Lab Sample ID:	410-115936-5	Worklist Smp#:	12
Client ID:	Trip Blank_022023				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
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\20230302-78093.b\YM02X11.D				
Lims ID:	410-115936-A-5				
Client ID:	Trip Blank_022023				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 13:38:30	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0078093-012				
Operator ID:	clm27445	Instrument ID:	9355		
Method:	\\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Mar-2023 19:17:03	Calib Date:	20-Feb-2023 18:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1601				

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:47:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	52.6	105.18
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	51.0	102.00
$ 79 Toluene-d8 (Surr)	50.0	50.1	100.25
$ 141 4-Bromofluorobenzene (Surr)	50.0	46.1	92.18

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-346157/12	YF17I11.D
Level 2	IC 410-346157/13	YF17I12.D
Level 3	IC 410-346157/14	YF17I13.D
Level 4	IC 410-346157/15	YF17I14.D
Level 5	ICIS 410-346157/16	YF17I15.D
Level 6	IC 410-346157/17	YF17I16.D
Level 7	IC 410-346157/18	YF17I17.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.5577 0.7622	0.6595 0.6722	0.6562	0.6519	0.7087	Ave		0.6669			0.1000	9.3		20.0			
Chloromethane	0.7019 0.7676	0.6959 0.6824	0.7629	0.6860	0.7192	Ave		0.7166			0.1000	4.9		20.0			
Vinyl chloride	0.6181 0.7523	0.6653 0.6681	0.7042	0.6470	0.6846	Ave		0.6771			0.1000	6.3		20.0			
1,3-Butadiene	0.5759 0.6720	0.6192 0.5921	0.6018	0.5711	0.6150	Ave		0.6067				5.6		20.0			
Bromomethane	0.3958 0.4858	0.4339 0.4152	0.4765	0.4260	0.4516	Ave		0.4407			0.1000	7.4		20.0			
Chloroethane	0.3211 0.3739	0.3309 0.3259	0.3666	0.3322	0.3491	Ave		0.3428			0.1000	6.1		20.0			
Dichlorofluoromethane	0.9686 0.9336	0.8509 0.8221	0.8958	0.8315	0.8718	Ave		0.8820			0.1000	6.1		20.0			
Trichlorofluoromethane	0.6437 0.9049	0.7664 0.8016	0.8003	0.7694	0.8301	Ave		0.7881			0.1000	10.0		20.0			
n-Pentane	0.7976 0.6532	0.7442 0.6399	0.6299	0.6192	0.6072	Ave		0.6702				10.7		20.0			
Ethyl ether	0.2981 0.3291	0.3038 0.3112	0.3049	0.3190	0.3250	Ave		0.3130				3.7		20.0			
Freon 123a	0.4723 0.5103	0.4572 0.4545	0.4872	0.4409	0.4637	Ave		0.4694				4.9		20.0			
Acrolein	1.4926 1.9825	1.5460 1.5577	1.8427	1.5050	1.5743	Ave		1.6430				11.6		20.0			
1,1-Dichloroethene	0.2990 0.3505	0.3359 0.3372	0.3346	0.3265	0.3210	Ave		0.3292			0.1000	4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	0.9339 0.9781	0.8393 0.8067	0.9630	0.8121	0.8014	Ave		0.8763			0.1000	9.0		20.0			
Freon 113	0.3752 0.4560	0.4328 0.4334	0.4196	0.4193	0.4152	Ave		0.4217			0.1000	5.9		20.0			
2-Propanol	+++++ 0.8412	0.6780 0.9005	0.6478	0.8515	0.9672	Ave		0.8144				15.5		20.0			
Methyl iodide	0.6372 0.7099	0.6696 0.6781	0.6911	0.6769	0.6587	Ave		0.6745				3.4		20.0			
Carbon disulfide	1.1088 1.3224	1.2296 1.2720	1.2623	1.2313	1.2095	Ave		1.2337			0.1000	5.4		20.0			
Methyl acetate	0.8427 0.5735	0.6596 0.5512	0.6114	0.5562	0.5558	Ave		0.6215			0.1000	16.9		20.0			
Allyl chloride	0.6999 0.5682	0.5558 0.5411	0.5534	0.5501	0.5373	Ave		0.5722				10.0		20.0			
Methylene Chloride	0.3778 0.4060	0.3979 0.3871	0.4156	0.3907	0.3841	Ave		0.3942			0.1000	3.3		20.0			
t-Butyl alcohol	+++++ 1.6012	1.5570 1.3710	1.3249	1.5782	1.5620	Ave		1.4991				7.9		20.0			
Acrylonitrile	0.2982 0.3119	0.2831 0.2977	0.3083	0.2962	0.2960	Ave		0.2988				3.1		20.0			
Methyl tertiary butyl ether	1.2438 1.3708	1.2942 1.2992	1.3506	1.3040	1.2962	Ave		1.3084			0.1000	3.2		20.0			
trans-1,2-Dichloroethene	0.3203 0.3691	0.3635 0.3457	0.3653	0.3555	0.3453	Ave		0.3521			0.1000	4.8		20.0			
n-Hexane	0.4874 0.5622	0.5407 0.5184	0.5111	0.5197	0.5186	Ave		0.5226				4.5		20.0			
1,1-Dichloroethane	0.6129 0.6655	0.6522 0.6199	0.6751	0.6432	0.6265	Ave		0.6422			0.2000	3.7		20.0			
di-Isopropyl ether	1.1595 1.2890	1.1726 1.2330	1.2427	1.2013	1.1992	Ave		1.2139				3.7		20.0			
2-Chloro-1,3-butadiene	0.4875 0.5939	0.5592 0.5568	0.5655	0.5597	0.5568	Ave		0.5542				5.8		20.0			
Ethyl t-butyl ether	1.2064 1.3061	1.1811 1.2572	1.2368	1.2080	1.2197	Ave		1.2308				3.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanone	0.5488 0.4563	0.4260 0.4488	0.4418	0.4151	0.4295	Ave		0.4523			0.1000	9.9		20.0			
cis-1,2-Dichloroethene	0.3446 0.4177	0.3958 0.3875	0.4097	0.3991	0.3901	Ave		0.3921			0.1000	6.0		20.0			
2,2-Dichloropropane	0.5733 0.6489	0.6194 0.6264	0.6225	0.6131	0.6048	Ave		0.6155				3.8		20.0			
Propionitrile	1.2604 1.5755	1.2854 1.3191	1.4449	1.2972	1.3121	Ave		1.3564				8.3		20.0			
Methacrylonitrile	0.2762 0.2971	0.2536 0.2846	0.2775	0.2707	0.2775	Ave		0.2767				4.8		20.0			
Bromochloromethane	0.1913 0.2163	0.2080 0.2021	0.2205	0.2111	0.2060	Ave		0.2079				4.6		20.0			
Tetrahydrofuran	1.6614 1.3532	1.1936 1.0803	1.2898	1.0746	1.0683	Ave		1.2459				17.3		20.0			
Chloroform	0.6431 0.6678	0.6584 0.6177	0.6746	0.6537	0.6323	Ave		0.6497			0.2000	3.1		20.0			
1,1,1-Trichloroethane	0.5815 0.6521	0.6196 0.6251	0.6286	0.6113	0.6036	Ave		0.6174			0.1000	3.6		20.0			
Cyclohexane	0.6975 0.7979	0.7269 0.7736	0.7099	0.7213	0.7185	Ave		0.7351			0.1000	5.0		20.0			
1,1-Dichloropropene	0.4376 0.5155	0.4595 0.4876	0.4805	0.4785	0.4681	Ave		0.4753				5.1		20.0			
Carbon tetrachloride	0.4646 0.5578	0.5057 0.5445	0.5073	0.5107	0.5096	Ave		0.5143			0.1000	5.9		20.0			
Isobutyl alcohol	0.6112 0.5009	0.4192 0.4736	0.3887	0.4883	0.4931	Ave		0.4822				14.7		20.0			
Benzene	1.4185 1.5577	1.4948 1.4619	1.5253	1.4948	1.4563	Ave		1.4870			0.5000	3.1		20.0			
1,2-Dichloroethane	0.5288 0.5658	0.5300 0.5334	0.5541	0.5368	0.5337	Ave		0.5404			0.1000	2.6		20.0			
t-Amyl methyl ether	1.1141 1.2851	1.1309 1.2532	1.2018	1.1870	1.2030	Ave		1.1964				5.1		20.0			
n-Heptane	0.6685 0.6305	0.6113 0.5780	0.5694	0.5821	0.5652	Ave		0.6007				6.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Butanol	0.3842 0.4082	0.3488 0.4176	0.3570	0.4067	0.4205	Ave		0.3919				7.4		20.0			
Trichloroethene	0.3631 0.4103	0.3743 0.3937	0.3795	0.3841	0.3760	Ave		0.3830			0.2000	4.0		20.0			
Methylcyclohexane	0.6228 0.8205	0.7232 0.7932	0.6982	0.7290	0.7362	Ave		0.7319			0.1000	8.8		20.0			
1,2-Dichloropropane	0.3991 0.4329	0.3918 0.4183	0.4037	0.3997	0.4012	Ave		0.4067			0.1000	3.5		20.0			
t-Amyl ethyl ether	0.4970 0.5936	0.5118 0.5918	0.5535	0.5467	0.5567	Ave		0.5502				6.6		20.0			
Methyl methacrylate	0.3469 0.4431	0.3582 0.4445	0.4040	0.3949	0.4120	Ave		0.4005				9.4		20.0			
1,4-Dioxane	0.0849 0.0984	0.0887 0.1252	0.0989	0.1291	0.1287	Ave		0.1077			0.0050	18.0		20.0			
Dibromomethane	0.2413 0.2879	0.2580 0.2772	0.2788	0.2660	0.2674	Ave		0.2681				5.7		20.0			
Bromodichloromethane	0.4509 0.5352	0.4638 0.5208	0.4893	0.4835	0.4903	Ave		0.4906			0.2000	6.0		20.0			
2-Nitropropane	1.8810 2.5234	1.9036 2.0145	2.2038	1.9464	1.9975	Ave		2.0672				11.0		20.0			
2-Chloroethyl vinyl ether	0.2521 0.3424	0.2672 0.3426	0.2895	0.2979	0.3081	Ave		0.3000				11.5		20.0			
cis-1,3-Dichloropropene	0.5313 0.6749	0.5450 0.6694	0.5993	0.5942	0.6100	Ave		0.6034			0.2000	9.1		20.0			
4-Methyl-2-pentanone	0.7666 0.8953	0.7463 0.8359	0.8350	0.7972	0.8444	Ave		0.8172			0.1000	6.2		20.0			
Toluene	1.1735 1.2773	1.2272 1.1849	1.2368	1.2180	1.1904	Ave		1.2154			0.4000	3.0		20.0			
trans-1,3-Dichloropropene	0.6609 0.8147	0.6832 0.7893	0.7255	0.7293	0.7468	Ave		0.7357			0.1000	7.4		20.0			
Ethyl methacrylate	0.7758 0.9260	0.7669 0.8703	0.8550	0.8576	0.8784	Ave		0.8472				6.7		20.0			
1,1,2-Trichloroethane	0.4951 0.5130	0.4780 0.4826	0.5091	0.4888	0.4858	Ave		0.4932			0.1000	2.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Tetrachloroethene	0.5062 0.5737	0.5560 0.5336	0.5451	0.5550	0.5327	Ave		0.5432			0.2000	4.0		20.0			
1,3-Dichloropropane	0.7277 0.8338	0.7387 0.7893	0.7849	0.7769	0.7715	Ave		0.7747				4.5		20.0			
2-Hexanone	0.7681 0.8095	0.6980 0.7527	0.7830	0.7364	0.7700	Ave		0.7597			0.1000	4.7		20.0			
Dibromochloromethane	0.4484 0.5751	0.4781 0.5555	0.5048	0.5125	0.5315	Ave		0.5151				8.5		20.0			
1,2-Dibromoethane	0.4575 0.5628	0.4995 0.5360	0.5326	0.5248	0.5268	Ave		0.5200			0.1000	6.4		20.0			
1-Chlorohexane	0.7655 0.7284	0.6964 0.6789	0.6777	0.6832	0.6667	Ave		0.6995				5.0		20.0			
Chlorobenzene	1.3611 1.4782	1.3917 1.3732	1.4011	1.4060	1.3801	Ave		1.3988			0.5000	2.7		20.0			
1,1,1,2-Tetrachloroethane	0.4873 0.5865	0.5187 0.5473	0.5504	0.5530	0.5512	Ave		0.5421				5.7		20.0			
Ethylbenzene	2.3784 2.6215	2.4198 2.2315	2.5027	2.5027	2.4495	Ave		2.4437			0.1000	5.0		20.0			
m&p-Xylene	0.8657 1.0198	0.9247 0.9159	0.9724	0.9647	0.9543	Ave		0.9454			0.1000	5.2		20.0			
o-Xylene	0.9163 1.0733	0.9575 0.9789	0.9944	1.0187	1.0084	Ave		0.9925			0.3000	5.0		20.0			
Styrene	1.3946 1.7335	1.4990 1.5760	1.5803	1.6228	1.6100	Ave		1.5738			0.3000	6.7		20.0			
Bromoform	0.3330 0.5029	0.3764 0.4977	0.4255	0.4429	0.4717	Ave		0.4357			0.1000	14.5		20.0			
Isopropylbenzene	2.3790 2.8521	2.5782 2.2961	2.6733	2.7150	2.6793	Ave		2.5961			0.1000	7.5		20.0			
Cyclohexanone	0.3939 0.3815	0.3651 0.4705	0.4068	0.4731	0.4613	Ave		0.4218				10.8		20.0			
1,1,2,2-Tetrachloroethane	1.5125 1.7407	1.5740 1.5975	1.6393	1.6843	1.6906	Ave		1.6341			0.3000	4.8		20.0			
Bromobenzene	0.9683 1.1349	0.9714 1.0491	1.0556	1.0601	1.0460	Ave		1.0408				5.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
trans-1,4-Dichloro-2-butene	0.4032 0.5243	0.4261 0.4970	0.4674	0.4872	0.4979	Ave		0.4719				9.1		20.0			
1,2,3-Trichloropropane	0.4827 0.5045	0.4507 0.4724	0.5053	0.4955	0.4877	Ave		0.4856				4.0		20.0			
N-Propylbenzene	4.3429 5.3754	4.7821 3.8687	4.9297	5.1446	5.0035	Ave		4.7781				10.7		20.0			
2-Chlorotoluene	0.9575 1.1263	1.0035 1.0567	1.0285	1.0583	1.0377	Ave		1.0384				5.0		20.0			
1,3,5-Trimethylbenzene	3.2556 4.1679	3.4669 3.4523	3.7360	3.8479	3.8883	Ave		3.6879				8.5		20.0			
4-Chlorotoluene	0.8968 1.0944	0.9553 1.0409	1.0349	1.0127	1.0171	Ave		1.0074				6.3		20.0			
tert-Butylbenzene	0.5873 0.8379	0.6318 0.7951	0.6647	0.7267	0.7417	Ave		0.7122				12.6		20.0			
1,2,4-Trimethylbenzene	3.3285 4.3353	3.5974 3.4922	3.8871	4.0843	4.0453	Ave		3.8243				9.5		20.0			
sec-Butylbenzene	3.8182 5.4090	4.5070 3.8723	4.6212	4.9950	4.9317	Ave		4.5935				12.8		20.0			
1,3-Dichlorobenzene	1.9381 2.2538	2.0173 2.0402	2.1713	2.1955	2.1478	Ave		2.1092			0.6000	5.3		20.0			
p-Isopropyltoluene	3.4650 4.7383	3.8822 3.6197	4.0565	4.3695	4.3844	Ave		4.0737				11.2		20.0			
1,4-Dichlorobenzene	2.0999 2.1930	2.0017 1.9906	2.1125	2.1385	2.0942	Ave		2.0900			0.5000	3.5		20.0			
1,2,3-Trimethylbenzene	3.9097 4.6163	3.9070 3.6225	4.1852	4.3619	4.3411	Ave		4.1348				8.2		20.0			
Benzyl chloride	2.4563 3.5302	2.6721 3.0783	3.0492	3.2629	3.3902	Ave		3.0627				12.6		20.0			
1,3-Diethylbenzene	2.1857 2.9232	2.4180 2.5491	2.5512	2.6900	2.6967	Ave		2.5734				9.1		20.0			
1,4-Diethylbenzene	2.2703 3.0041	2.5730 2.5993	2.6722	2.8352	2.7941	Ave		2.6783				8.7		20.0			
n-Butylbenzene	1.7038 2.4194	2.0443 2.1722	2.1168	2.2683	2.2343	Ave		2.1370				10.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	2.1843 2.4229	2.2301 2.1604	2.3649	2.4130	2.3370	Ave		2.3018			0.4000	4.7		20.0			
1,2-Diethylbenzene	2.1006 2.4480	2.0333 2.2146	2.1481	2.2557	2.2616	Ave		2.2089				6.1		20.0			
1,2-Dibromo-3-Chloropropane	0.5307 0.5564	0.4688 0.5373	0.5213	0.5297	0.5511	Ave		0.5279			0.0500	5.5		20.0			
1,3,5-Trichlorobenzene	1.6928 2.0540	1.8012 1.8691	1.8483	1.9846	1.9561	Ave		1.8866				6.5		20.0			
1,2,4-Trichlorobenzene	1.7255 1.9968	1.7525 1.8026	1.7956	1.9589	1.9345	Ave		1.8523			0.2000	5.9		20.0			
Hexachlorobutadiene	0.6977 0.8780	0.7318 0.8267	0.7268	0.7966	0.8073	Ave		0.7807				8.2		20.0			
Naphthalene	6.1421 6.7789	6.0106 +++++	6.4441	7.0377	7.0179	Ave		6.5719				6.7		20.0			
1,2,3-Trichlorobenzene	1.8655 1.9893	1.7897 1.8066	1.8163	1.9852	1.9736	Ave		1.8895				4.8		20.0			
2-Methylnaphthalene	3.4182 4.0499	3.2562 3.4687	3.4629	4.0467	4.1639	Ave		3.6952				10.1		20.0			
Dibromofluoromethane (Surr)	0.2512 0.2424	0.2535 0.2404	0.2540	0.2528	0.2485	Ave		0.2490				2.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0629 0.0607	0.0613 0.0595	0.0620	0.0616	0.0614	Ave		0.0613				1.7		20.0			
Toluene-d8 (Surr)	1.3035 1.2580	1.2964 1.2380	1.2924	1.2803	1.2674	Ave		1.2766				1.8		20.0			
4-Bromofluorobenzene (Surr)	0.5063 0.5083	0.5150 0.5183	0.5119	0.5120	0.5072	Ave		0.5113				0.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-346157/12	YF17I11.D
Level 2	IC 410-346157/13	YF17I12.D
Level 3	IC 410-346157/14	YF17I13.D
Level 4	IC 410-346157/15	YF17I14.D
Level 5	ICIS 410-346157/16	YF17I15.D
Level 6	IC 410-346157/17	YF17I16.D
Level 7	IC 410-346157/18	YF17I17.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	13396 1847759	64868 5211412	156252	323863	877991	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	16858 1860727	68446 5290756	181679	340803	891105	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	14847 1823733	65441 5180027	167689	321432	848233	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	13833 1629164	60907 4590085	143306	283708	761939	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	9506 1177623	42677 3219291	113475	211622	559519	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	7712 906501	32549 2527021	87297	165037	432519	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	23264 2263191	83695 6373798	213312	413091	1080142	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	15462 2193617	75384 6214543	190570	382236	1028459	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	19157 1583491	73199 4960927	149988	307616	752246	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl ether	FB	Ave	7160 797778	29882 2412298	72595	158462	402617	1.000 100.0	4.00 300	10.00	20.0	50.0
Freon 123a	FB	Ave	11344 1237054	44968 3523462	116027	219024	574525	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd 10	Ave	40427 4482250	158584 13668200	427434	827107	2182752	10.00 1000	40.0 3000	100.0	200	500
1,1-Dichloroethene	FB	Ave	7181 849709	33038 2613911	79681	162213	397728	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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	5059 442286	17219 1415828	44678	89264	222240	2.00 200	8.00 600	20.0	40.0	100
Freon 113	FB	Ave	9012 1105465	42571 3360392	99923	208319	514373	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	+++++ 950982	34775 3950892	75133	233993	670577	+++++ 500	20.0 1500	50.0	100	250
Methyl iodide	FB	Ave	15304 1720932	65860 5257074	164581	336278	816141	1.00 100	4.00 300	10.0	20.0	50.0
Carbon disulfide	FB	Ave	26632 3205842	120940 9861696	300583	611701	1498463	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	20241 1390273	64874 4273318	145582	276311	688651	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	16811 1377317	54668 4194954	131775	273285	665633	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	9075 984107	39140 3001480	98968	194075	475904	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	+++++ 1810211	79861 6015636	153674	433700	1082935	+++++ 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	17905 1890361	69605 5770421	183567	367857	916737	2.50 250	10.0 750	25.0	50.0	125
Methyl tertiary butyl ether	FB	Ave	29874 3323169	127291 10072170	321623	647822	1605918	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	7692 894808	35758 2680401	86984	176587	427812	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	11706 1362914	53181 4019219	121703	258161	642513	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	14722 1613276	64150 4805984	160769	319522	776176	1.00 100	4.00 300	10.0	20.0	50.0
di-Isopropyl ether	FB	Ave	27850 3124786	115338 9559625	295914	596780	1485752	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	11709 1439700	54999 4316951	134650	278073	689879	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	28976	116167	294529	600139	1511155	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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
			3166325	9747051				100	300			
2-Butanone	FB	Ave	26362 2212499	83808 6959276	210400	412463	1064251	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	8276 1012575	38929 3004540	97555	198251	483320	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	13769 1573133	60927 4856424	148238	304572	749330	1.00 100	4.00 300	10.0	20.0	50.0
Propionitrile	TBAd 10	Ave	17069 1781132	65929 5787897	167592	356470	909680	5.00 500	20.0 1500	50.0	100	250
Methacrylonitrile	FB	Ave	16584 1800435	62368 5516971	165203	336166	859475	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	4595 524401	20455 1567018	52496	104877	255195	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd 10	Ave	22501 1529854	61219 4739835	149600	295296	740633	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	15446 1618825	64760 4789055	160642	324766	783399	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	13966 1580819	60946 4846174	149688	303666	747818	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	16752 1934216	71492 5997865	169052	358317	890158	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	10510 1249608	45192 3779951	114412	237709	579933	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	11158 1352307	49740 4221155	120796	253695	631346	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd 10	Ave	20695 1415689	53753 5194938	112708	335464	854738	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	34070 3776083	147026 11333947	363210	742611	1804262	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	12702 1371525	52129 4135226	131948	266660	661231	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	26759 3115289	111237 9716229	286176	589682	1490476	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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	16057 1528516	60122 4481487	135586	289173	700314	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd 10	Ave	13008 1153697	44722 4581192	103514	279413	728786	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	8720 994741	36812 3052041	90373	190841	465874	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	14958 1989088	71129 6149604	166271	362143	912084	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	9586 1049442	38537 3243223	96141	198589	497023	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	11937 1438944	50338 4588516	131812	271575	689738	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	8333 1074100	35229 3446344	96210	196170	510447	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd 10	Ave	2876 278251	11370 1373061	28674	88710	223053	12.5 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	5795 697888	25378 2148813	66380	132122	331332	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	10830 1297531	45615 4037937	116508	240217	607469	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd 10	Ave	25475 2852793	97636 8839144	255613	534888	1384874	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	6056 830069	26279 2655815	68947	147980	381719	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	12760 1635955	53601 5189554	142705	295200	755743	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone	FB	Ave	36825 4340874	146815 12961301	397660	792075	2092274	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd 5	Ave	20920 2445267	90063 7518993	223944	463715	1151933	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd 5	Ave	11782	50142	131352	277682	722659	1.00	4.00	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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
			1559652	5009002				100	300			
Ethyl methacrylate	CBZd 5	Ave	13831 1772759	56283 5522752	154812	326520	850053	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd 5	Ave	8827 982078	35081 3062739	92177	186087	470149	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd 5	Ave	9024 1098233	40806 3386082	98698	211288	515514	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd 5	Ave	12972 1596250	54215 5008646	142117	295789	746594	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd 5	Ave	27385 3099191	102451 9553017	283550	560751	1490204	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd 5	Ave	7993 1100963	35085 3525115	91395	195142	514330	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane	CBZd 5	Ave	8156 1077373	36658 3401198	96440	199799	509798	1.00 100	4.00 300	10.0	20.0	50.0
1-Chlorohexane	CBZd 5	Ave	13646 1394453	51108 4308479	122713	260101	645158	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd 5	Ave	24264 2829747	102133 8714385	253679	535297	1335553	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	8688 1122844	38066 3473030	99649	210531	533404	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd 5	Ave	42401 5018605	177582 14160509	453134	952878	2370448	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd 5	Ave	30867	135725	352115	734618	1847023	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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
			3904462	11624525				200	600			
o-Xylene	CBZd 5	Ave	16335 2054752	70268 6212158	180049	387844	975831	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd 5	Ave	24862 3318613	110010 10000808	286138	617865	1558017	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd 5	Ave	5937 962767	27626 3158123	77033	168630	456504	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd 5	Ave	42411 5460046	189207 14570615	484031	1033672	2592755	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd 10	Ave	53349 1078272	187251 5160848	235927	650068	799464	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	17246 2057278	74588 6267407	187820	405970	1026645	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd 4	Ave	11041 1341338	46032 4116003	120946	255515	635208	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	11492 1549054	50484 4874556	133872	293599	755861	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd 4	Ave	5504 596270	21359 1853407	57895	119435	296180	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	49519 6353205	226612 15177941	564810	1240013	3038444	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	10918 1331179	47553 4145838	117839	255089	630187	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	37121	164285	428046	927468	2361249	1.00	4.00	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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
			4926031	13544371				100	300			
4-Chlorotoluene	DCBd 4	Ave	10226 1293415	45270 4083901	118566	244099	617639	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	6697 990364	29937 3119454	76157	175165	450394	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	37952 5123875	170471 13701015	445353	984458	2456584	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	43536 6392812	213573 15192214	529455	1203954	2994816	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	22099 2663747	95594 8004394	248773	529176	1304290	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd 4	Ave	39509 5600148	183968 14201029	464767	1053203	2662474	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	23944 2591882	94853 7809703	242029	515450	1271711	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	44579 5455986	185144 14211856	479507	1051371	2636176	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd 4	Ave	28007 4172354	126622 12077079	349349	786468	2058765	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd 4	Ave	24922 3454930	114582 10000908	292295	648375	1637628	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd 4	Ave	25886 3550487	121927 10197878	306163	683367	1696755	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	19427	96872	242525	546726	1356796	1.00	4.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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
			2859510	8522143				100	300			
1,2-Dichlorobenzene	DCBd 4	Ave	24906 2863636	105679 8475868	270957	581602	1419201	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd 4	Ave	23952 2893326	96354 8688552	246115	543687	1373371	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	6051 657631	22213 2107782	59726	127674	334634	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	19302 2427629	85355 7333090	211763	478364	1187852	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	19674 2359955	83044 7071991	205722	472169	1174765	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	7955 1037653	34676 3243211	83268	192004	490225	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd 4	Ave	70033 8011898	284826 +++++	738308	1696318	4261747	1.00 100	4.00 +++++	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	21271 2351112	84808 7087821	208099	478498	1198484	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd 4	Ave	38975 4786502	154301 13608466	396750	975381	2528609	1.00 100	4.00 300	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	301679 293868	311672 310577	302463	313959	307928	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	75505 73532	75356 76899	73843	76548	76029	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd 5	Ave	1161849 1204129	1189251 1309311	1169978	1218611	1226509	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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	451276 486580	472472 548147	463445	487330	490780	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-346157/12	YF17I11.D
Level 2	IC 410-346157/13	YF17I12.D
Level 3	IC 410-346157/14	YF17I13.D
Level 4	IC 410-346157/15	YF17I14.D
Level 5	ICIS 410-346157/16	YF17I15.D
Level 6	IC 410-346157/17	YF17I16.D
Level 7	IC 410-346157/18	YF17I17.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	-16.4 0.8	-1.1	-1.6	-2.2	6.3	14.3	50 30	30	30	30	30	30
Chloromethane	-2.1 -4.8	-2.9	6.5	-4.3	0.4	7.1	50 30	30	30	30	30	30
Vinyl chloride	-8.7 -1.3	-1.7	4.0	-4.4	1.1	11.1	50 30	30	30	30	30	30
1,3-Butadiene	-5.1 -2.4	2.1	-0.8	-5.9	1.4	10.8	50 30	30	30	30	30	30
Bromomethane	-10.2 -5.8	-1.5	8.1	-3.3	2.5	10.2	50 30	30	30	30	30	30
Chloroethane	-6.3 -4.9	-3.5	6.9	-3.1	1.8	9.1	50 30	30	30	30	30	30
Dichlorofluoromethane	9.8 -6.8	-3.5	1.6	-5.7	-1.2	5.8	50 30	30	30	30	30	30
Trichlorofluoromethane	-18.3 1.7	-2.7	1.6	-2.4	5.3	14.8	50 30	30	30	30	30	30
n-Pentane	19.0 -4.5	11.0	-6.0	-7.6	-9.4	-2.5	50 30	30	30	30	30	30
Ethyl ether	-4.8 -0.6	-2.9	-2.6	1.9	3.8	5.1	50 30	30	30	30	30	30
Freon 123a	0.6 -3.2	-2.6	3.8	-6.1	-1.2	8.7	50 30	30	30	30	30	30
Acrolein	-9.2 -5.2	-5.9	12.2	-8.4	-4.2	20.7	50 30	30	30	30	30	30
1,1-Dichloroethene	-9.2 2.4	2.0	1.6	-0.8	-2.5	6.5	50 30	30	30	30	30	30
Acetone	6.6 -7.9	-4.2	9.9	-7.3	-8.6	11.6	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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	-11.0 2.8	2.6	-0.5	-0.6	-1.5	8.1	50 30	30	30	30	30	30
2-Propanol	+++++ 10.6	-16.7	-20.5	4.6	18.8	3.3	 30	50	30	30	30	30
Methyl iodide	-5.5 0.5	-0.7	2.5	0.4	-2.3	5.2	50 30	30	30	30	30	30
Carbon disulfide	-10.1 3.1	-0.3	2.3	-0.2	-2.0	7.2	50 30	30	30	30	30	30
Methyl acetate	35.6 -11.3	6.1	-1.6	-10.5	-10.6	-7.7	50 30	30	30	30	30	30
Allyl chloride	22.3 -5.4	-2.9	-3.3	-3.9	-6.1	-0.7	50 30	30	30	30	30	30
Methylene Chloride	-4.1 -1.8	1.0	5.4	-0.9	-2.6	3.0	50 30	30	30	30	30	30
t-Butyl alcohol	+++++ -8.5	3.9	-11.6	5.3	4.2	6.8	 30	50	30	30	30	30
Acrylonitrile	-0.2 -0.4	-5.3	3.2	-0.9	-0.9	4.4	50 30	30	30	30	30	30
Methyl tertiary butyl ether	-4.9 -0.7	-1.1	3.2	-0.3	-0.9	4.8	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-9.0 -1.8	3.3	3.7	1.0	-1.9	4.8	50 30	30	30	30	30	30
n-Hexane	-6.7 -0.8	3.5	-2.2	-0.6	-0.8	7.6	50 30	30	30	30	30	30
1,1-Dichloroethane	-4.6 -3.5	1.6	5.1	0.2	-2.4	3.6	50 30	30	30	30	30	30
di-Isopropyl ether	-4.5 1.6	-3.4	2.4	-1.0	-1.2	6.2	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-12.0 0.5	0.9	2.0	1.0	0.5	7.2	50 30	30	30	30	30	30
Ethyl t-butyl ether	-2.0 2.1	-4.0	0.5	-1.8	-0.9	6.1	50 30	30	30	30	30	30
2-Butanone	21.3 -0.8	-5.8	-2.3	-8.2	-5.0	0.9	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-12.1 -1.2	1.0	4.5	1.8	-0.5	6.5	50 30	30	30	30	30	30
2,2-Dichloropropane	-6.9 1.8	0.6	1.1	-0.4	-1.7	5.4	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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	-7.1 -2.7	-5.2	6.5	-4.4	-3.3	16.2	50 30	30	30	30	30	30
Methacrylonitrile	-0.2 2.9	-8.3	0.3	-2.2	0.3	7.3	50 30	30	30	30	30	30
Bromochloromethane	-8.0 -2.8	0.0	6.0	1.5	-0.9	4.1	50 30	30	30	30	30	30
Tetrahydrofuran	33.4 -13.3	-4.2	3.5	-13.8	-14.3	8.6	50 30	30	30	30	30	30
Chloroform	-1.0 -4.9	1.3	3.8	0.6	-2.7	2.8	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-5.8 1.2	0.4	1.8	-1.0	-2.2	5.6	50 30	30	30	30	30	30
Cyclohexane	-5.1 5.2	-1.1	-3.4	-1.9	-2.3	8.5	50 30	30	30	30	30	30
1,1-Dichloropropene	-7.9 2.6	-3.3	1.1	0.7	-1.5	8.5	50 30	30	30	30	30	30
Carbon tetrachloride	-9.7 5.9	-1.7	-1.4	-0.7	-0.9	8.5	50 30	30	30	30	30	30
Isobutyl alcohol	26.8 -1.8	-13.1	-19.4	1.3	2.3	3.9	50 30	30	30	30	30	30
Benzene	-4.6 -1.7	0.5	2.6	0.5	-2.1	4.8	50 30	30	30	30	30	30
1,2-Dichloroethane	-2.1 -1.3	-1.9	2.5	-0.7	-1.2	4.7	50 30	30	30	30	30	30
t-Amyl methyl ether	-6.9 4.7	-5.5	0.4	-0.8	0.5	7.4	50 30	30	30	30	30	30
n-Heptane	11.3 -3.8	1.8	-5.2	-3.1	-5.9	5.0	50 30	30	30	30	30	30
n-Butanol	-2.0 6.6	-11.0	-8.9	3.8	7.3	4.2	50 30	30	30	30	30	30
Trichloroethene	-5.2 2.8	-2.3	-0.9	0.3	-1.8	7.1	50 30	30	30	30	30	30
Methylcyclohexane	-14.9 8.4	-1.2	-4.6	-0.4	0.6	12.1	50 30	30	30	30	30	30
1,2-Dichloropropane	-1.9 2.9	-3.7	-0.7	-1.7	-1.4	6.4	50 30	30	30	30	30	30
t-Amyl ethyl ether	-9.7 7.6	-7.0	0.6	-0.6	1.2	7.9	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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	-13.4 11.0	-10.6	0.9	-1.4	2.9	10.6	50 30	30	30	30	30	30
1,4-Dioxane	-21.1 16.2	-17.7	-8.2	19.9	19.5	-8.6	50 30	30	30	30	30	30
Dibromomethane	-10.0 3.4	-3.8	4.0	-0.8	-0.2	7.4	50 30	30	30	30	30	30
Bromodichloromethane	-8.1 6.2	-5.5	-0.3	-1.4	0.0	9.1	50 30	30	30	30	30	30
2-Nitropropane	-9.0 -2.5	-7.9	6.6	-5.8	-3.4	22.1	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-15.9 14.2	-10.9	-3.5	-0.7	2.7	14.1	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-12.0 10.9	-9.7	-0.7	-1.5	1.1	11.8	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-6.2 2.3	-8.7	2.2	-2.5	3.3	9.6	50 30	30	30	30	30	30
Toluene	-3.5 -2.5	1.0	1.8	0.2	-2.1	5.1	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-10.2 7.3	-7.1	-1.4	-0.9	1.5	10.7	50 30	30	30	30	30	30
Ethyl methacrylate	-8.4 2.7	-9.5	0.9	1.2	3.7	9.3	50 30	30	30	30	30	30
1,1,2-Trichloroethane	0.4 -2.1	-3.1	3.2	-0.9	-1.5	4.0	50 30	30	30	30	30	30
Tetrachloroethene	-6.8 -1.8	2.4	0.4	2.2	-1.9	5.6	50 30	30	30	30	30	30
1,3-Dichloropropane	-6.1 1.9	-4.6	1.3	0.3	-0.4	7.6	50 30	30	30	30	30	30
2-Hexanone	1.1 -0.9	-8.1	3.1	-3.1	1.4	6.6	50 30	30	30	30	30	30
Dibromochloromethane	-13.0 7.8	-7.2	-2.0	-0.5	3.2	11.6	50 30	30	30	30	30	30
1,2-Dibromoethane	-12.0 3.1	-3.9	2.4	0.9	1.3	8.2	50 30	30	30	30	30	30
1-Chlorohexane	9.4 -2.9	-0.4	-3.1	-2.3	-4.7	4.1	50 30	30	30	30	30	30
Chlorobenzene	-2.7 -1.8	-0.5	0.2	0.5	-1.3	5.7	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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	-10.1 1.0	-4.3	1.5	2.0	1.7	8.2	50 30	30	30	30	30	30
Ethylbenzene	-2.7 -8.7	-1.0	2.4	2.4	0.2	7.3	50 30	30	30	30	30	30
m&p-Xylene	-8.4 -3.1	-2.2	2.9	2.0	0.9	7.9	50 30	30	30	30	30	30
o-Xylene	-7.7 -1.4	-3.5	0.2	2.6	1.6	8.1	50 30	30	30	30	30	30
Styrene	-11.4 0.1	-4.7	0.4	3.1	2.3	10.2	50 30	30	30	30	30	30
Bromoform	-23.6 14.2	-13.6	-2.4	1.6	8.3	15.4	50 30	30	30	30	30	30
Isopropylbenzene	-8.4 -11.6	-0.7	3.0	4.6	3.2	9.9	50 30	30	30	30	30	30
Cyclohexanone	-6.6 11.6	-13.4	-3.5	12.2	9.4	-9.5	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-7.4 -2.2	-3.7	0.3	3.1	3.5	6.5	50 30	30	30	30	30	30
Bromobenzene	-7.0 0.8	-6.7	1.4	1.9	0.5	9.0	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-14.6 5.3	-9.7	-0.9	3.3	5.5	11.1	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-0.6 -2.7	-7.2	4.1	2.0	0.4	3.9	50 30	30	30	30	30	30
N-Propylbenzene	-9.1 -19.0	0.1	3.2	7.7	4.7	12.5	50 30	30	30	30	30	30
2-Chlorotoluene	-7.8 1.8	-3.4	-0.9	1.9	-0.1	8.5	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-11.7 -6.4	-6.0	1.3	4.3	5.4	13.0	50 30	30	30	30	30	30
4-Chlorotoluene	-11.0 3.3	-5.2	2.7	0.5	1.0	8.6	50 30	30	30	30	30	30
tert-Butylbenzene	-17.5 11.6	-11.3	-6.7	2.0	4.1	17.7	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-13.0 -8.7	-5.9	1.6	6.8	5.8	13.4	50 30	30	30	30	30	30
sec-Butylbenzene	-16.9 -15.7	-1.9	0.6	8.7	7.4	17.8	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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	-8.1 -3.3	-4.4	2.9	4.1	1.8	6.9	50 30	30	30	30	30	30
p-Isopropyltoluene	-14.9 -11.1	-4.7	-0.4	7.3	7.6	16.3	50 30	30	30	30	30	30
1,4-Dichlorobenzene	0.5 -4.8	-4.2	1.1	2.3	0.2	4.9	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-5.4 -12.4	-5.5	1.2	5.5	5.0	11.6	50 30	30	30	30	30	30
Benzyl chloride	-19.8 0.5	-12.8	-0.4	6.5	10.7	15.3	50 30	30	30	30	30	30
1,3-Diethylbenzene	-15.1 -0.9	-6.0	-0.9	4.5	4.8	13.6	50 30	30	30	30	30	30
1,4-Diethylbenzene	-15.2 -2.9	-3.9	-0.2	5.9	4.3	12.2	50 30	30	30	30	30	30
n-Butylbenzene	-20.3 1.6	-4.3	-0.9	6.1	4.6	13.2	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-5.1 -6.1	-3.1	2.7	4.8	1.5	5.3	50 30	30	30	30	30	30
1,2-Diethylbenzene	-4.9 0.3	-7.9	-2.7	2.1	2.4	10.8	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	0.5 1.8	-11.2	-1.2	0.3	4.4	5.4	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-10.3 -0.9	-4.5	-2.0	5.2	3.7	8.9	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-6.8 -2.7	-5.4	-3.1	5.8	4.4	7.8	50 30	30	30	30	30	30
Hexachlorobutadiene	-10.6 5.9	-6.3	-6.9	2.0	3.4	12.5	50 30	30	30	30	30	30
Naphthalene	-6.5 +++++	-8.5	-1.9	7.1	6.8	3.1	50	30	30	30	30	30
1,2,3-Trichlorobenzene	-1.3 -4.4	-5.3	-3.9	5.1	4.5	5.3	50 30	30	30	30	30	30
2-Methylnaphthalene	-7.5 -6.1	-11.9	-6.3	9.5	12.7	9.6	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.9 -3.5	1.8	2.0	1.5	-0.2	-2.6	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	2.5 -3.0	-0.1	1.1	0.5	0.0	-1.1	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346157

SDG No.:

Instrument ID: 9355 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2023 16:20 Calibration End Date: 02/20/2023 18:32 Calibration ID: 47345

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)	2.1 -3.0	1.6	1.2	0.3	-0.7	-1.5	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.0 1.4	0.7	0.1	0.1	-0.8	-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\20230220-77389.b\YF17I11.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Feb-2023 16:20:30 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0077389-012
Misc. Info.: IC 1
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 20-Feb-2023 20:39:58 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1671

First Level Reviewer: K4WN Date: 20-Feb-2023 19:26:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.945	1.966	-0.021	98	13396	1.00	0.8363	
4 Chloromethane	50	2.152	2.166	-0.014	98	16858	1.00	0.9795	
5 Vinyl chloride	62	2.267	2.274	-0.007	97	14847	1.00	0.9129	
6 Butadiene	39	2.288	2.288	0.000	90	13833	1.00	0.9492	M
8 Bromomethane	94	2.610	2.610	0.000	91	9506	1.00	0.8981	M
9 Chloroethane	64	2.674	2.674	0.000	96	7712	1.00	0.9366	
10 Dichlorofluoromethane	67	2.917	2.924	-0.007	97	23264	1.00	1.10	M
11 Trichlorofluoromethane	101	2.982	2.996	-0.014	96	15462	1.00	0.8169	
12 Pentane	43	3.003	3.010	-0.007	93	19157	1.00	1.19	M
14 Ethyl ether	59	3.211	3.218	-0.007	78	7160	1.00	0.9524	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.311	3.289	0.022	83	11344	1.00	1.01	
16 Acrolein	56	3.382	3.382	0.000	98	40427	10.0	9.08	
17 1,1-Dichloroethene	96	3.511	3.525	-0.014	97	7181	1.00	0.9081	
18 Acetone	58	3.561	3.546	0.015	87	5059	2.00	2.13	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.575	3.575	0.000	86	9012	1.00	0.8898	
20 Isopropyl alcohol	45	3.861	3.697	0.164	25	13867	5.00	6.29	M
21 Iodomethane	142	3.711	3.725	-0.014	98	15304	1.00	0.9447	
22 Carbon disulfide	76	3.825	3.840	-0.015	95	26632	1.00	0.8988	
24 Methyl acetate	43	3.961	3.961	0.000	55	20241	1.00	1.36	
25 3-Chloro-1-propene	41	3.990	3.997	-0.007	89	16811	1.00	1.22	
26 Methylene Chloride	84	4.169	4.183	-0.014	43	9075	1.00	0.9585	M
* 27 t-Butyl alcohol-d10 (IS)	65	4.276	4.269	0.007	37	677153	250.0	250.0	
28 2-Methyl-2-propanol	59	4.355	4.397	-0.042	34	31043	5.00	7.65	M
29 Acrylonitrile	53	4.505	4.497	0.008	95	17905	2.50	2.50	M
30 Methyl tert-butyl ether	73	4.591	4.590	0.001	80	29874	1.00	0.9506	
32 trans-1,2-Dichloroethene	96	4.605	4.605	0.000	97	7692	1.00	0.9096	
33 Hexane	57	5.020	5.034	-0.014	93	11706	1.00	0.9326	
34 1,1-Dichloroethane	63	5.263	5.255	0.008	93	14722	1.00	0.9545	
36 Isopropyl ether	45	5.320	5.320	0.000	91	27850	1.00	0.9552	
37 2-Chloro-1,3-butadiene	53	5.363	5.370	-0.007	83	11709	1.00	0.8796	

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	5.856	5.856	0.000	98	28976	1.00	0.9802	
40 2-Butanone (MEK)	43	6.078	6.056	0.022	95	26362	2.00	2.43	
41 cis-1,2-Dichloroethene	96	6.085	6.085	0.000	82	8276	1.00	0.8789	
42 2,2-Dichloropropane	77	6.114	6.113	0.001	86	13769	1.00	0.9314	
43 Propionitrile	54	6.149	6.135	0.014	90	17069	5.00	4.65	M
S 45 1,2-Dichloroethene, Total	100				0			1.79	
47 Methacrylonitrile	67	6.357	6.349	0.008	93	16584	2.50	2.49	M
48 Chlorobromomethane	128	6.428	6.428	0.000	92	4595	1.00	0.9202	
49 Tetrahydrofuran	71	6.457	6.457	0.000	91	22501	5.00	6.67	
50 Chloroform	83	6.578	6.571	0.007	93	15446	1.00	0.9899	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.800	-0.007	93	301679	50.0	50.4	
52 1,1,1-Trichloroethane	97	6.821	6.821	0.000	52	13966	1.00	0.9418	
53 Cyclohexane	56	6.936	6.929	0.007	92	16752	1.00	0.9488	
54 1,1-Dichloropropene	75	7.029	7.029	0.000	91	10510	1.00	0.9206	
55 Carbon tetrachloride	117	7.036	7.036	0.000	92	11158	1.00	0.9033	
56 Isobutyl alcohol	41	7.165	7.172	-0.007	31	20695	12.5	15.8	M
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.250	7.250	0.000	77	75505	50.0	51.3	
58 Benzene	78	7.293	7.293	0.000	93	34070	1.00	0.9539	M
59 1,2-Dichloroethane	62	7.358	7.365	-0.007	95	12702	1.00	0.9787	
61 Tert-amyl methyl ether	73	7.486	7.486	0.000	96	26759	1.00	0.9312	
* 62 Fluorobenzene (IS)	96	7.694	7.701	-0.007	99	1200933	50.0	50.0	
63 n-Heptane	43	7.715	7.715	0.000	44	16057	1.00	1.11	
65 n-Butanol	56	8.101	8.044	0.057	22	13008	12.5	12.3	
66 Trichloroethene	95	8.187	8.187	0.000	97	8720	1.00	0.9479	
67 Methylcyclohexane	83	8.502	8.509	-0.007	89	14958	1.00	0.8509	
68 1,2-Dichloropropane	63	8.509	8.516	-0.007	73	9586	1.00	0.9814	
69 2-ethoxy-2-methyl butane	87	8.523	8.523	0.000	84	11937	1.00	0.9034	
70 Methyl methacrylate	69	8.602	8.595	0.007	92	8333	1.00	0.8662	
71 1,4-Dioxane	88	8.609	8.602	0.007	35	2876	12.5	9.86	M
72 Dibromomethane	93	8.630	8.630	0.000	96	5795	1.00	0.9000	
74 Dichlorobromomethane	83	8.866	8.859	0.007	13	10830	1.00	0.9192	
75 2-Nitropropane	41	9.110	9.109	0.001	98	25475	5.00	4.55	
76 2-Chloroethyl vinyl ether	63	9.224	9.217	0.007	83	6056	1.00	0.8405	
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	94	12760	1.00	0.8804	
78 4-Methyl-2-pentanone (MIBK)	43	9.574	9.574	0.000	97	36825	2.00	1.88	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1161849	50.0	51.1	
80 Toluene	92	9.796	9.803	-0.007	98	20920	1.00	0.9655	
117 trans-1,3-Dichloropropene	75	10.061	10.053	0.007	93	11782	1.00	0.8984	M
S 118 1,3-Dichloropropene, Total	100				0			1.78	
119 Ethyl methacrylate	69	10.118	10.118	0.000	92	13831	1.00	0.9158	
120 1,1,2-Trichloroethane	97	10.261	10.261	0.000	90	8827	1.00	1.00	
121 Tetrachloroethene	166	10.361	10.361	0.000	96	9024	1.00	0.9319	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	90	12972	1.00	0.9393	
124 2-Hexanone	43	10.475	10.468	0.007	96	27385	2.00	2.02	M
126 Chlorodibromomethane	129	10.647	10.647	0.000	88	7993	1.00	0.8704	
127 Ethylene Dibromide	107	10.761	10.761	0.000	98	8156	1.00	0.8798	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	891359	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	90	13646	1.00	1.09	
130 Chlorobenzene	112	11.219	11.219	0.000	97	24264	1.00	0.9731	
S 131 Xylenes, Total	106				0			2.75	
132 1,1,1,2-Tetrachloroethane	131	11.298	11.297	0.001	92	8688	1.00	0.8991	
133 Ethylbenzene	91	11.305	11.304	0.001	99	42401	1.00	0.9733	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
134 m-Xylene & p-Xylene	106	11.419	11.419	0.000	76	30867	2.00	1.83	
135 o-Xylene	106	11.748	11.748	0.000	96	16335	1.00	0.9232	
136 Styrene	104	11.769	11.762	0.007	94	24862	1.00	0.8862	
137 Bromoform	173	11.927	11.927	0.000	95	5937	1.00	0.7643	
138 Isopropylbenzene	105	12.048	12.048	0.000	96	42411	1.00	0.9164	
140 Cyclohexanone	55	12.127	12.127	0.000	93	53349	50.0	46.7	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	91	451276	50.0	49.5	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	94	17246	1.00	0.9256	
143 Bromobenzene	156	12.313	12.313	0.000	95	11041	1.00	0.9304	
144 trans-1,4-Dichloro-2-butene	53	12.320	12.313	0.007	71	11492	2.50	2.14	
145 1,2,3-Trichloropropane	110	12.341	12.334	0.007	84	5504	1.00	0.99	
146 N-Propylbenzene	91	12.384	12.384	0.000	98	49519	1.00	0.9089	
147 2-Chlorotoluene	126	12.456	12.456	0.000	97	10918	1.00	0.9221	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	94	37121	1.00	0.8828	
149 4-Chlorotoluene	126	12.556	12.549	0.007	97	10226	1.00	0.8902	
151 tert-Butylbenzene	134	12.763	12.763	0.000	93	6697	1.00	0.8247	
153 1,2,4-Trimethylbenzene	105	12.806	12.806	0.000	97	37952	1.00	0.8703	
154 sec-Butylbenzene	105	12.928	12.928	0.000	95	43536	1.00	0.8312	
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	96	22099	1.00	0.9189	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	97	39509	1.00	0.8506	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	570110	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.107	13.099	0.007	94	23944	1.00	1.00	
159 1,2,3-Trimethylbenzene	105	13.107	13.106	0.000	96	44579	1.00	0.9456	
160 Benzyl chloride	91	13.178	13.171	0.007	98	28007	1.00	0.8020	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	95	24922	1.00	0.8493	
162 p-Diethylbenzene	119	13.314	13.307	0.007	96	25886	1.00	0.8476	
163 n-Butylbenzene	92	13.328	13.328	0.000	98	19427	1.00	0.7973	
164 1,2-Dichlorobenzene	146	13.364	13.357	0.007	98	24906	1.00	0.9490	
165 o-diethylbenzene	119	13.378	13.378	0.000	95	23952	1.00	0.9510	
167 1,2-Dibromo-3-Chloropropane	75	13.907	13.900	0.007	79	6051	1.00	1.01	M
168 1,3,5-Trichlorobenzene	180	14.043	14.036	0.007	96	19302	1.00	0.8973	
169 1,2,4-Trichlorobenzene	180	14.465	14.458	0.007	94	19674	1.00	0.9315	
170 Hexachlorobutadiene	225	14.544	14.544	0.000	93	7955	1.00	0.8937	
171 Naphthalene	128	14.651	14.636	0.015	97	70033	1.00	0.9346	
172 1,2,3-Trichlorobenzene	180	14.794	14.779	0.015	95	21271	1.00	0.9873	
173 2-Methylnaphthalene	142	15.430	15.416	0.014	92	38975	1.00	0.9250	M
S 184 Total Diethylbenzene	1				0			2.65	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_4ppbEE_00523	Amount Added: 12.50	Units: mL	
MSV_HP20_ISSS_00096	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 20-Feb-2023 20:39:59 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D

Injection Date: 20-Feb-2023 16:20:30 Instrument ID: 9355 Operator ID: kas02648

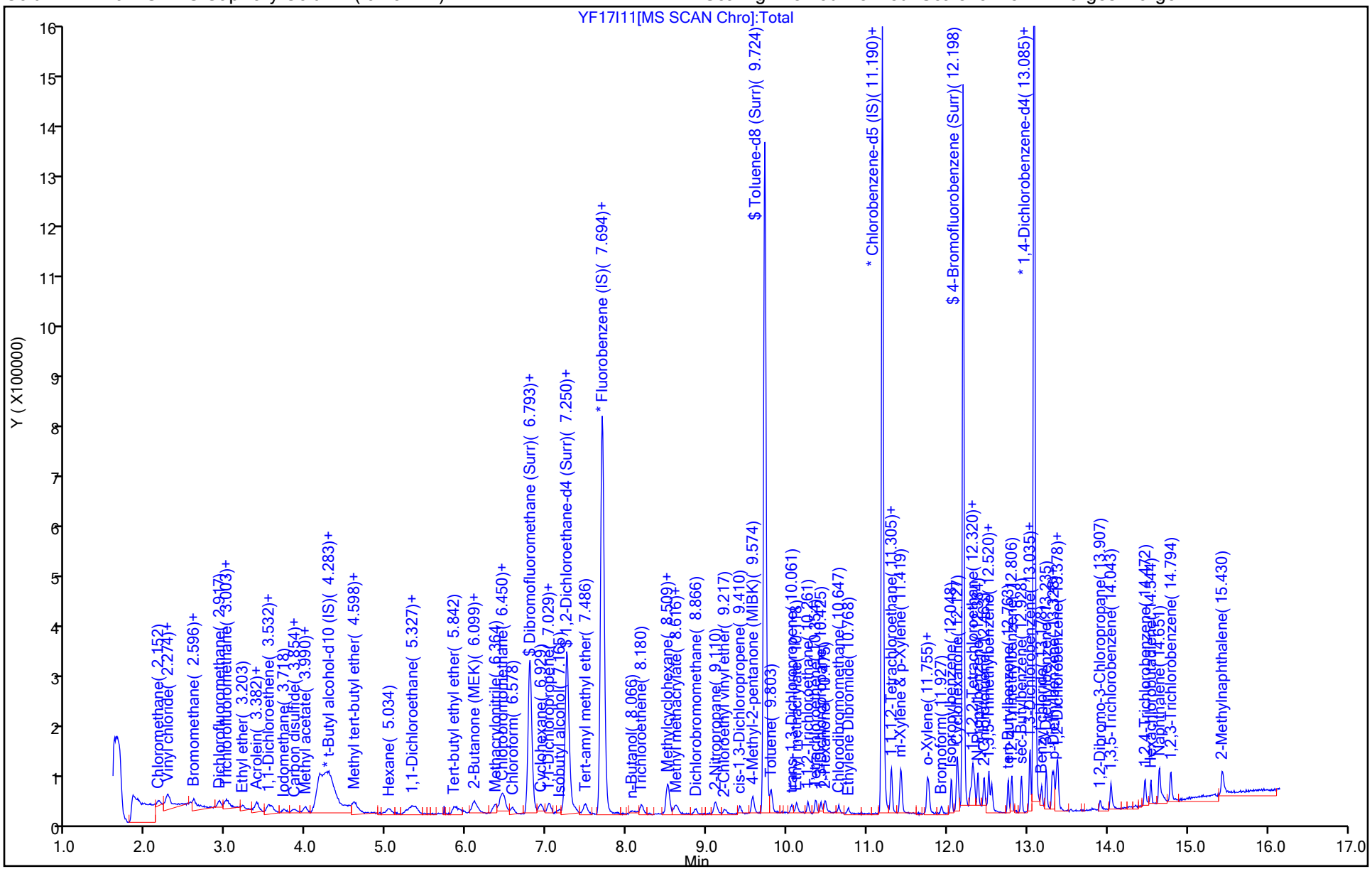
Lims ID: IC v1 Worklist Smp#: 12

Client ID:

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

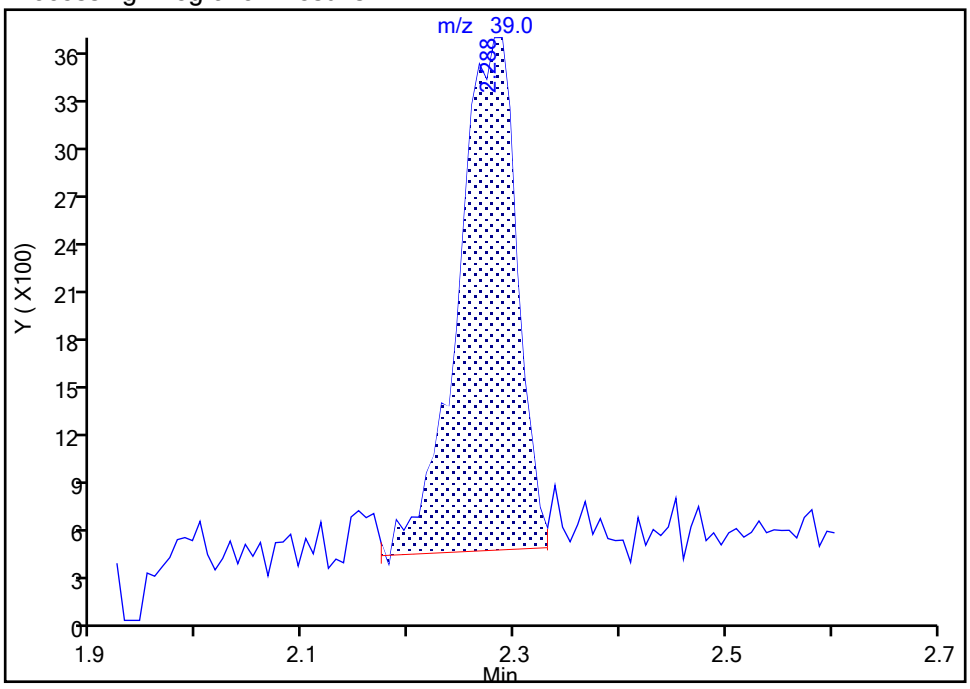
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D
Injection Date: 20-Feb-2023 16:20:30 Instrument ID: 9355
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

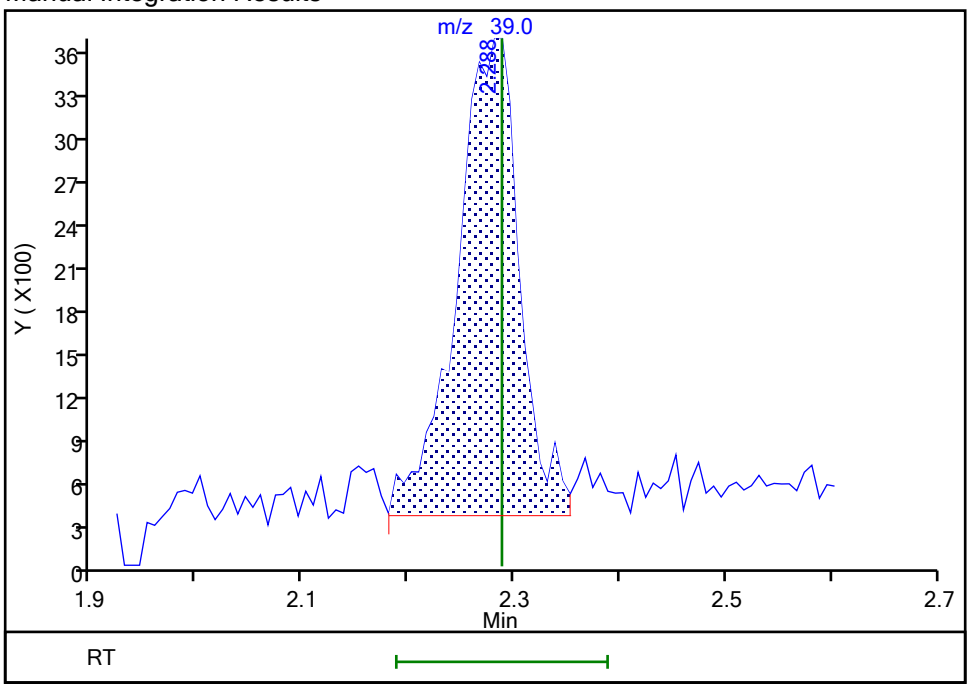
Processing Integration Results

RT: 2.29
Area: 12651
Amount: 0.878294
Amount Units: ug/l



Manual Integration Results

RT: 2.29
Area: 13833
Amount: 0.949227
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:24:03
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

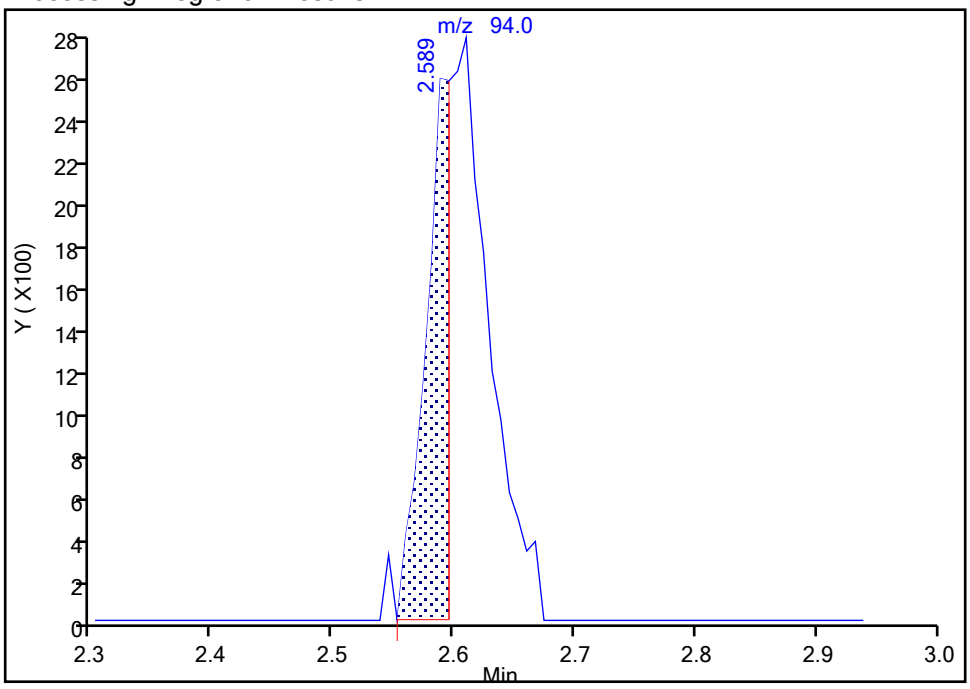
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

8 Bromomethane, CAS: 74-83-9

Signal: 1

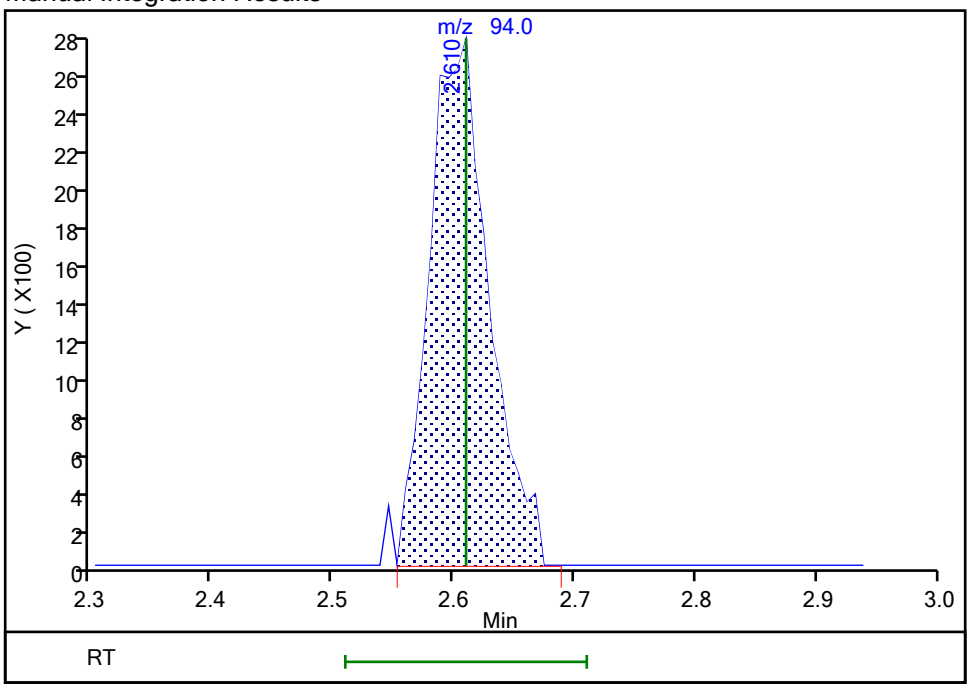
Processing Integration Results

RT: 2.59
Area: 3865
Amount: 0.981204
Amount Units: ug/l



Manual Integration Results

RT: 2.61
Area: 9506
Amount: 0.898089
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:24:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

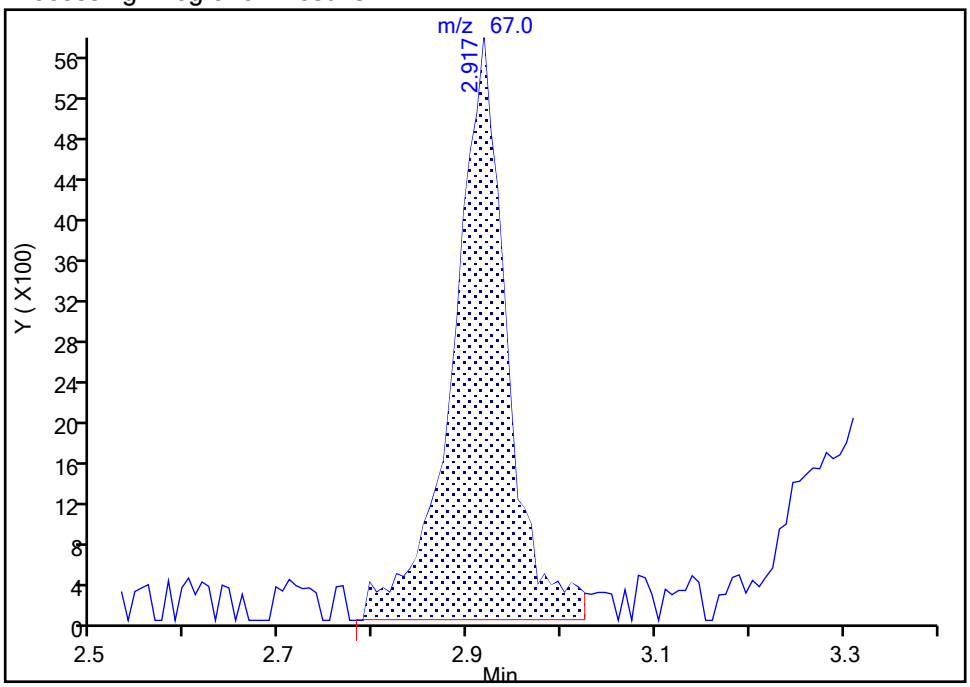
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

10 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

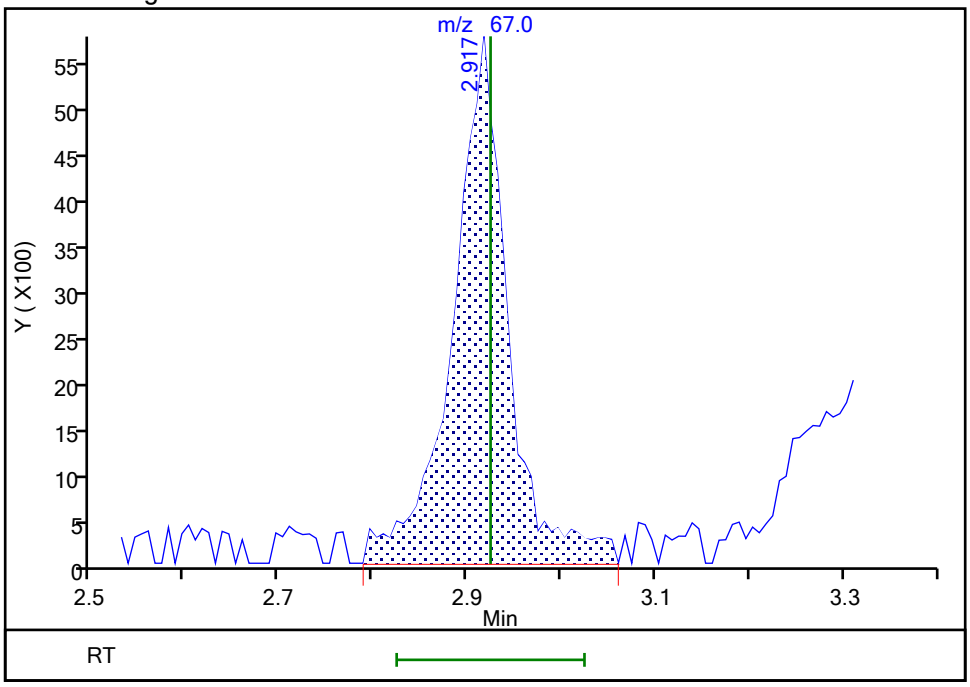
Processing Integration Results

RT: 2.92
Area: 22808
Amount: 1.079900
Amount Units: ug/l



Manual Integration Results

RT: 2.92
Area: 23264
Amount: 1.098104
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:24:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

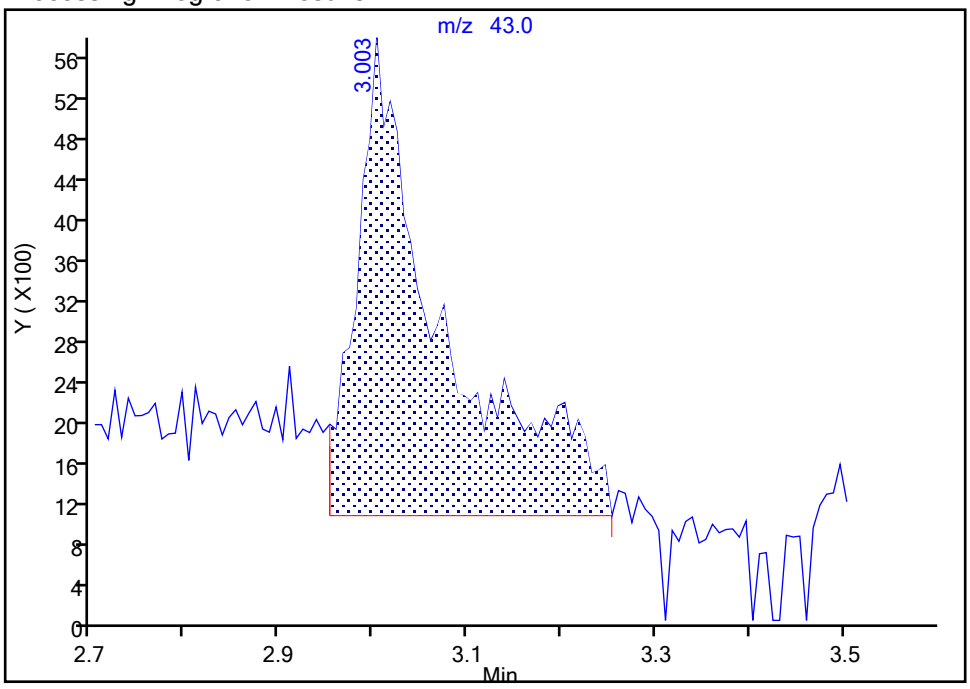
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D
Injection Date: 20-Feb-2023 16:20:30 Instrument ID: 9355
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

12 Pentane, CAS: 109-66-0

Signal: 1

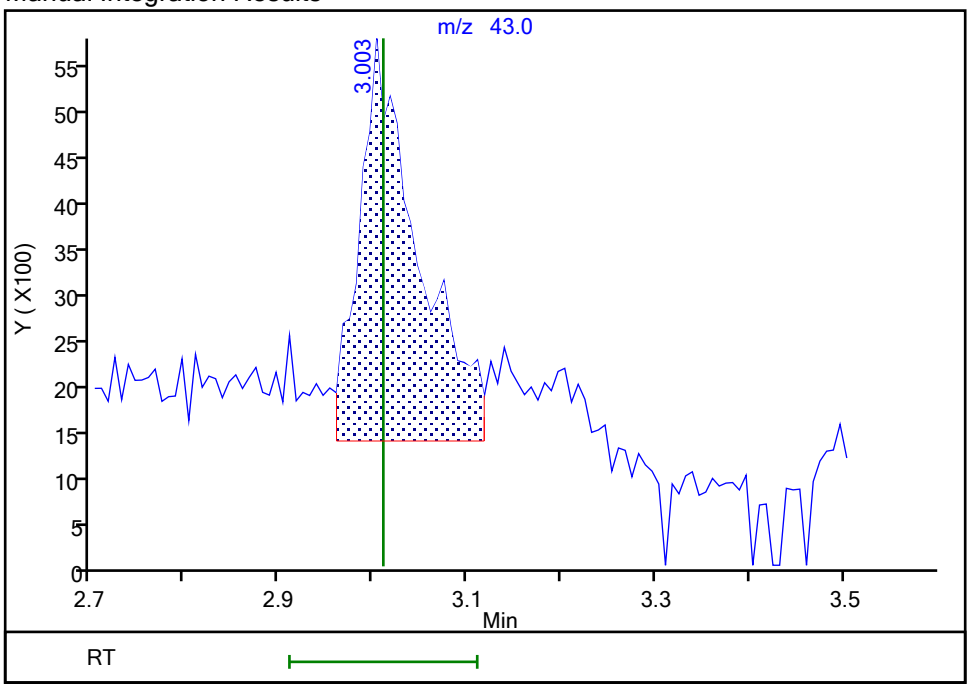
Processing Integration Results

RT: 3.00
Area: 29835
Amount: 1.014564
Amount Units: ug/l



Manual Integration Results

RT: 3.00
Area: 19157
Amount: 1.190147
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:24:28
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

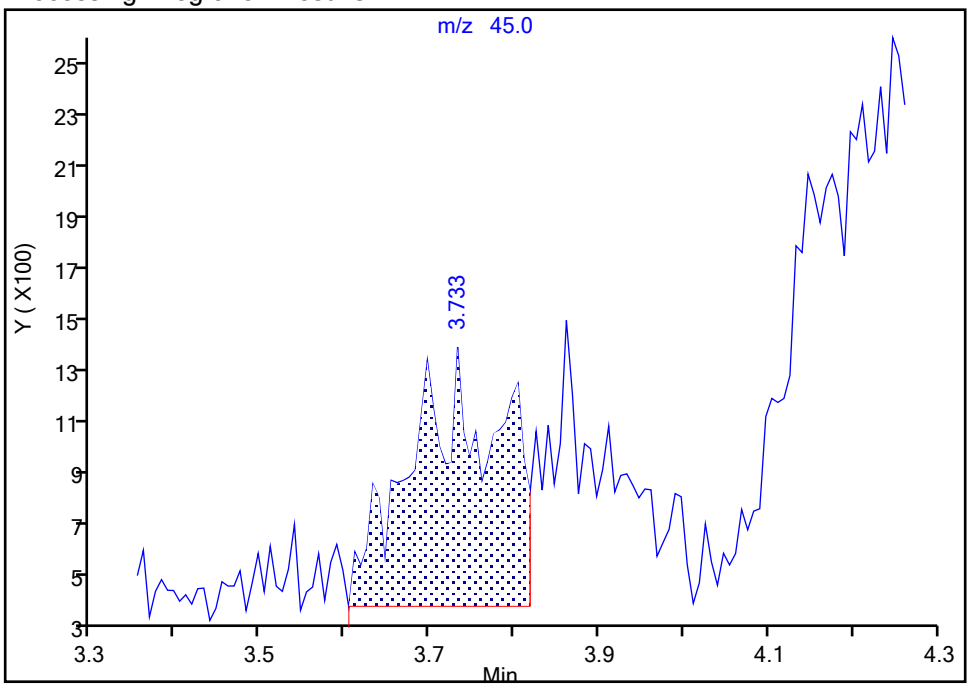
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

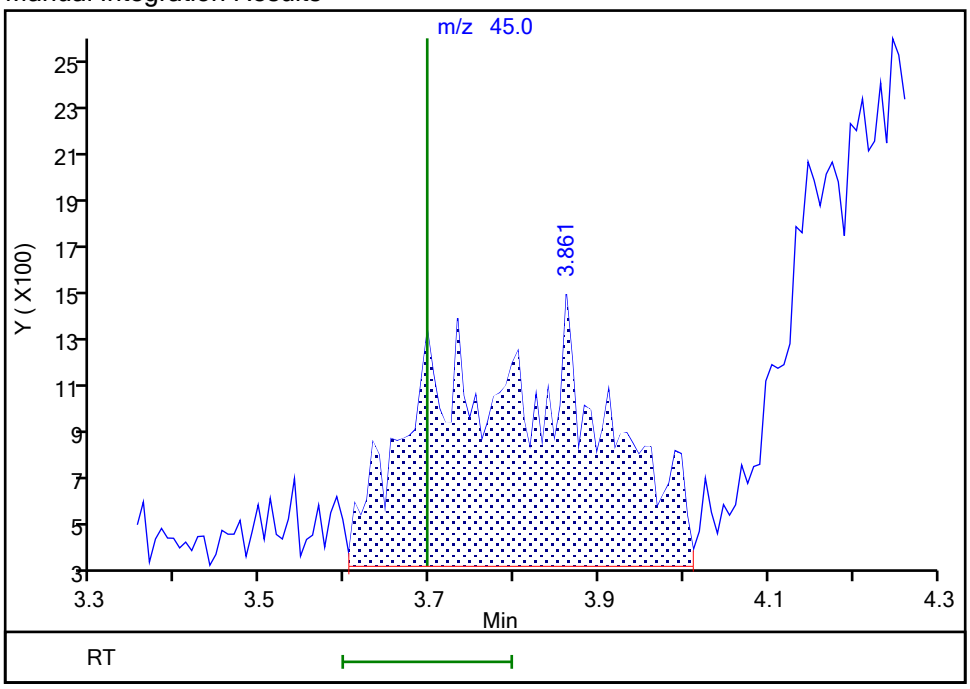
Processing Integration Results

RT: 3.73
Area: 7145
Amount: 3.842230
Amount Units: ug/l



Manual Integration Results

RT: 3.86
Area: 13867
Amount: 6.286690
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:24:45
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

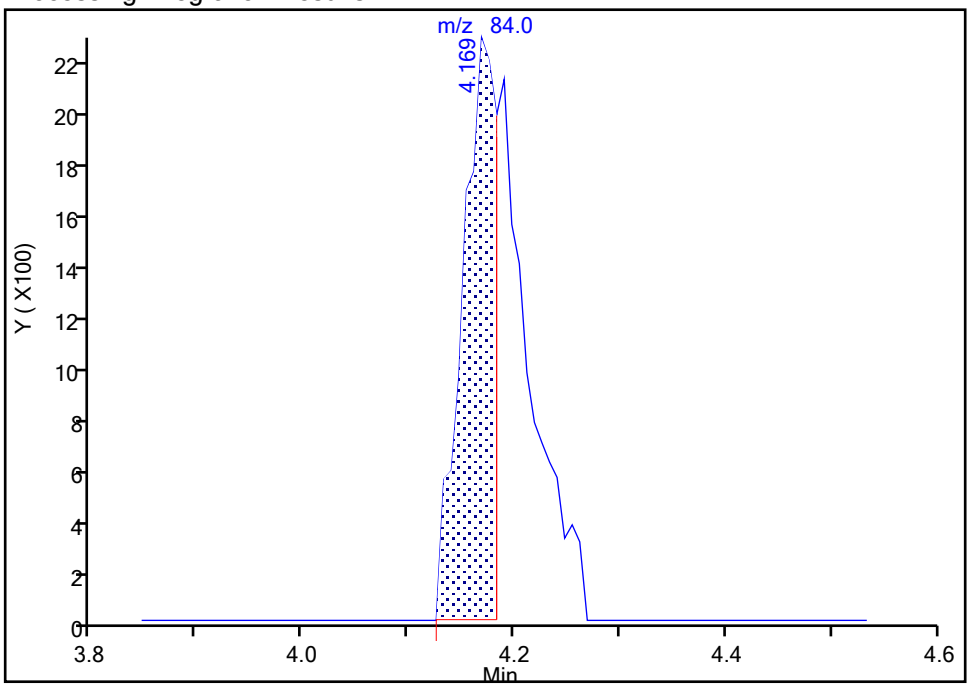
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

26 Methylene Chloride, CAS: 75-09-2

Signal: 1

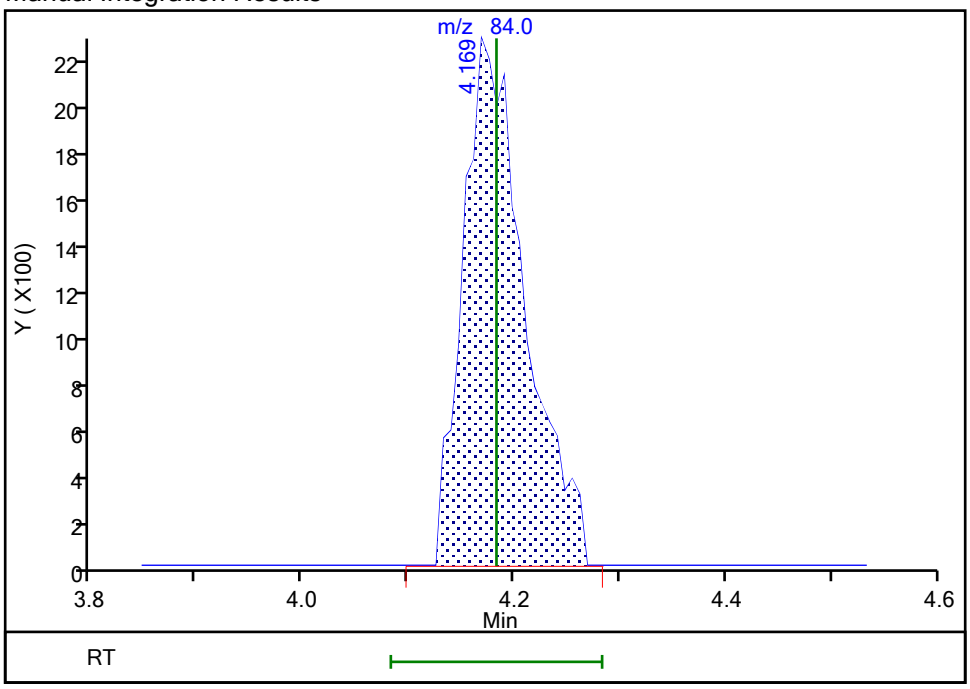
Processing Integration Results

RT: 4.17
Area: 5019
Amount: 0.564681
Amount Units: ug/l



Manual Integration Results

RT: 4.17
Area: 9075
Amount: 0.958529
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:24:53

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

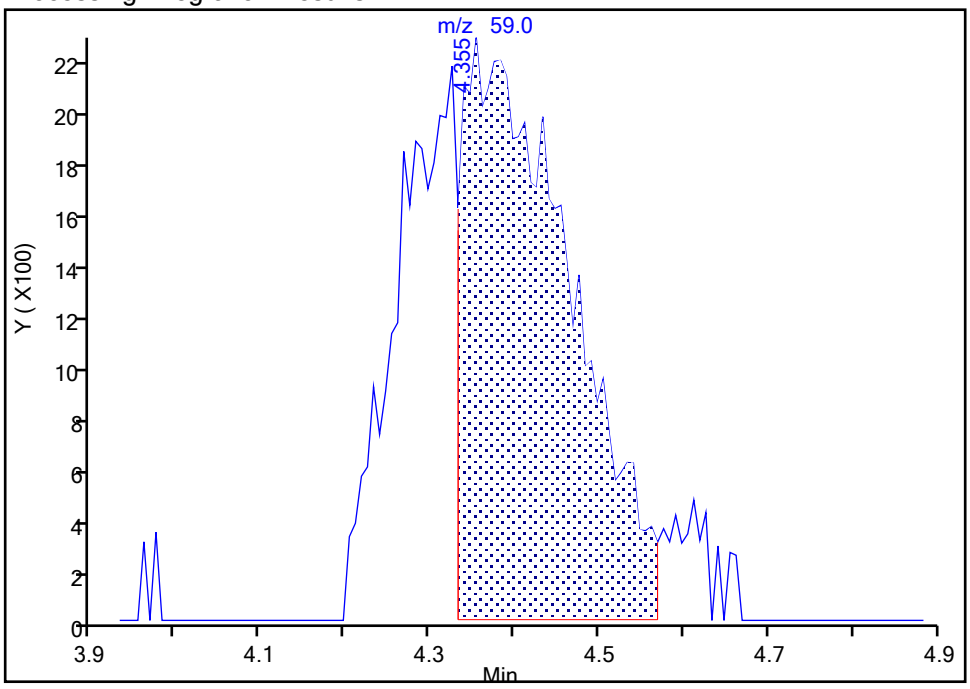
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

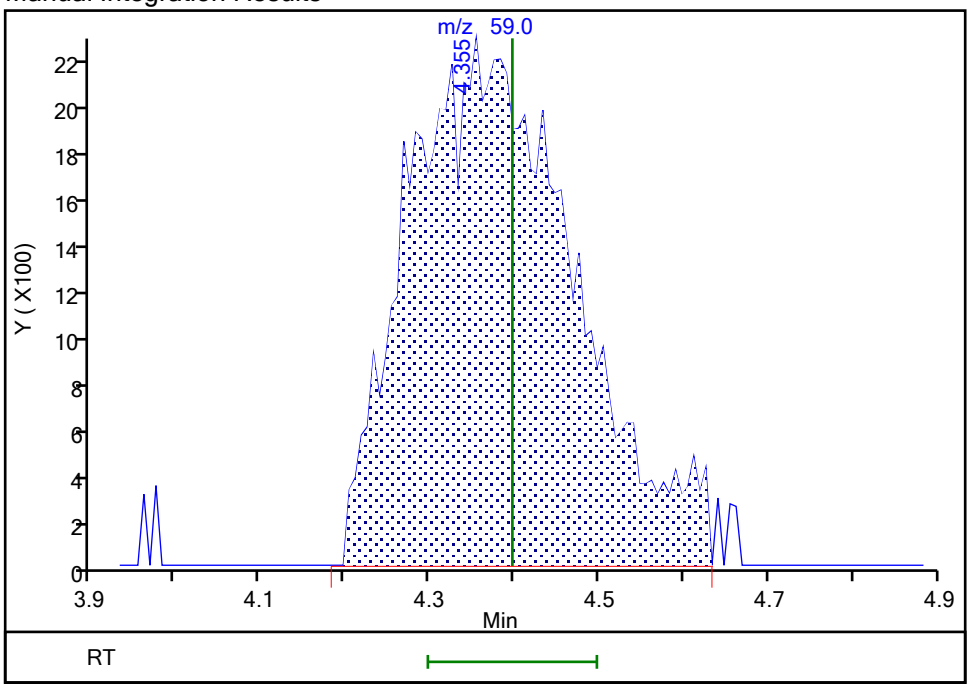
Processing Integration Results

RT: 4.35
Area: 19844
Amount: 4.962131
Amount Units: ug/l



Manual Integration Results

RT: 4.35
Area: 31043
Amount: 7.645303
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:24:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

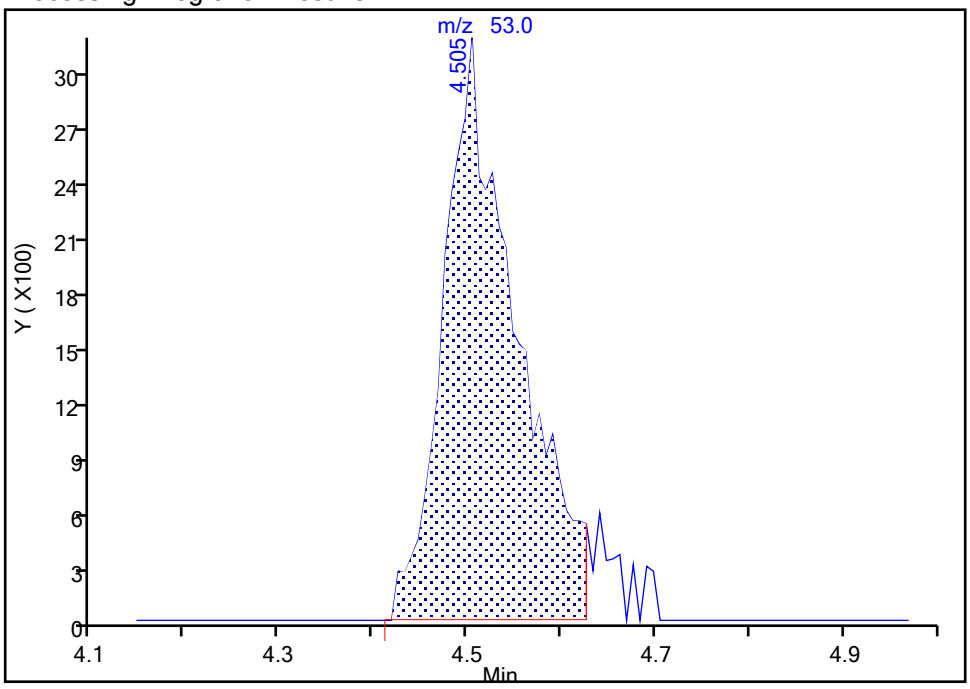
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

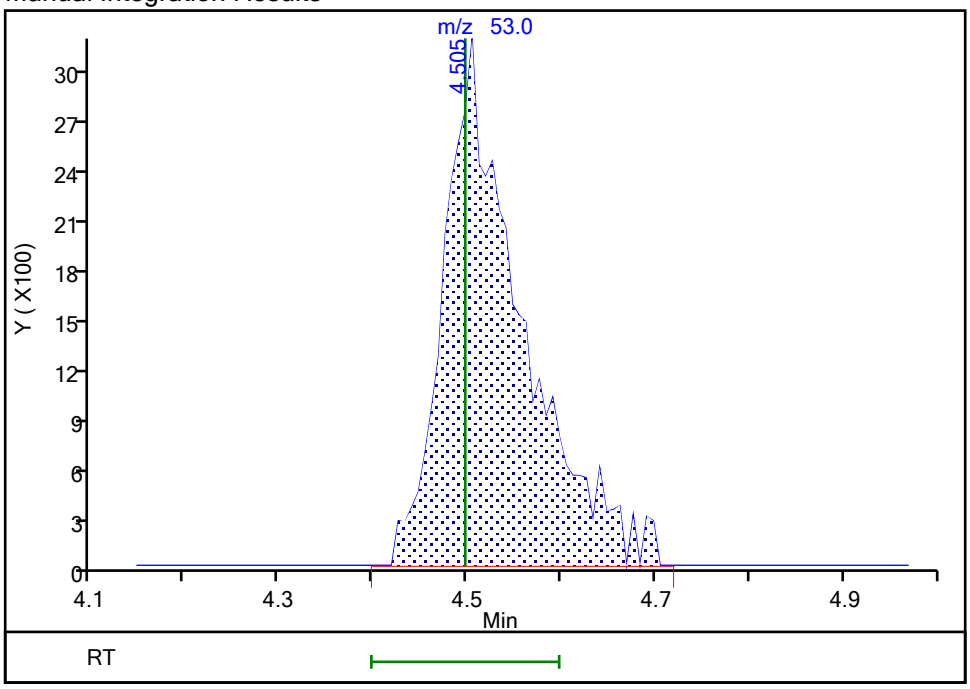
Processing Integration Results

RT: 4.50
Area: 16754
Amount: 2.356299
Amount Units: ug/l



Manual Integration Results

RT: 4.50
Area: 17905
Amount: 2.495096
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:25:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

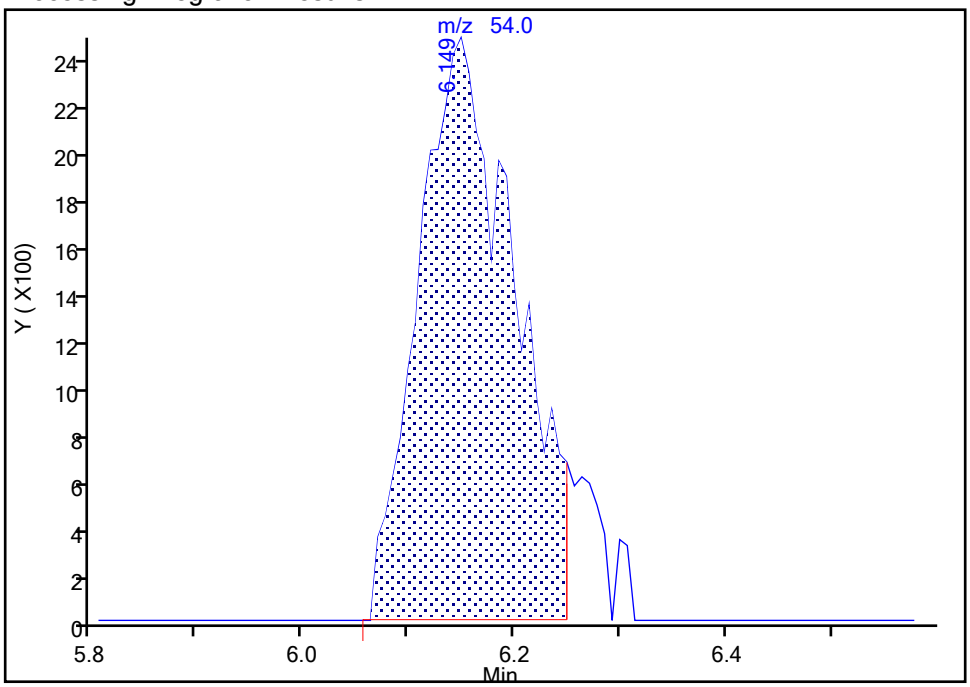
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

43 Propionitrile, CAS: 107-12-0

Signal: 1

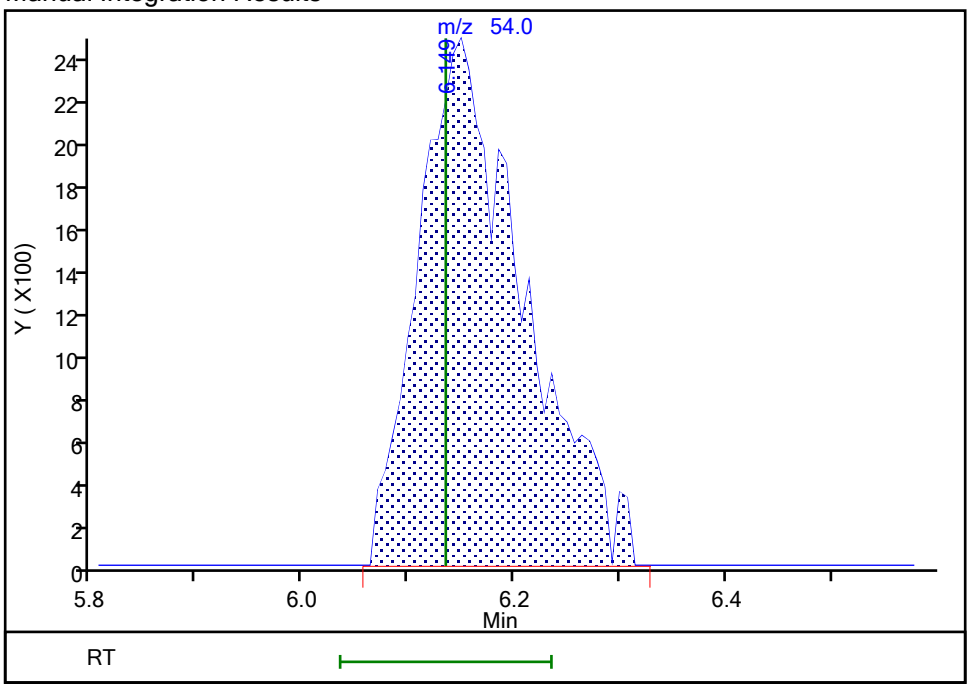
Processing Integration Results

RT: 6.15
Area: 15673
Amount: 4.312889
Amount Units: ug/l



Manual Integration Results

RT: 6.15
Area: 17069
Amount: 4.646045
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:25:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

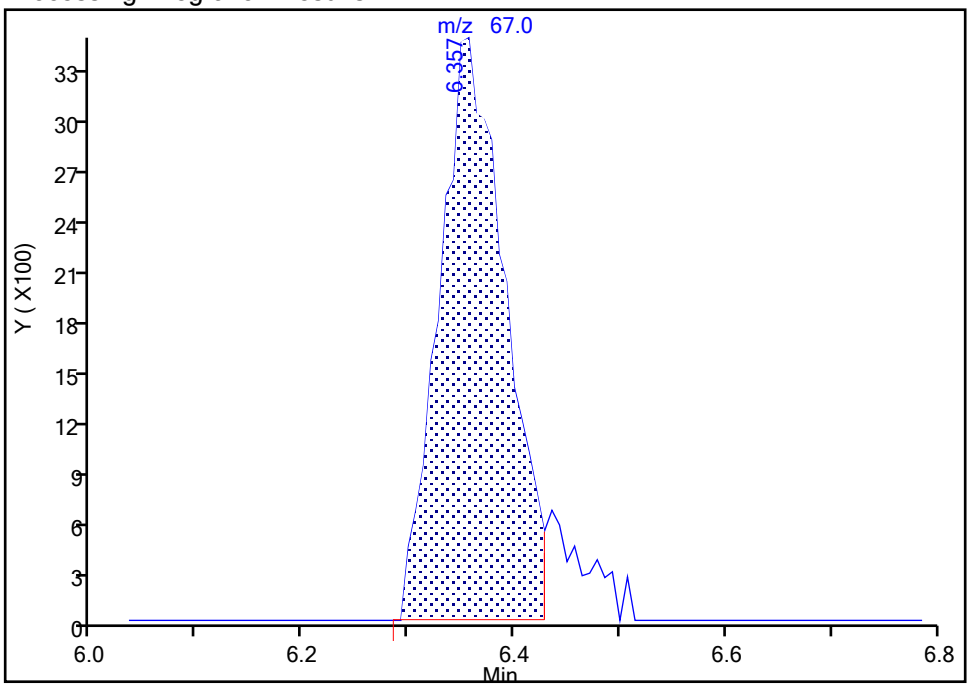
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

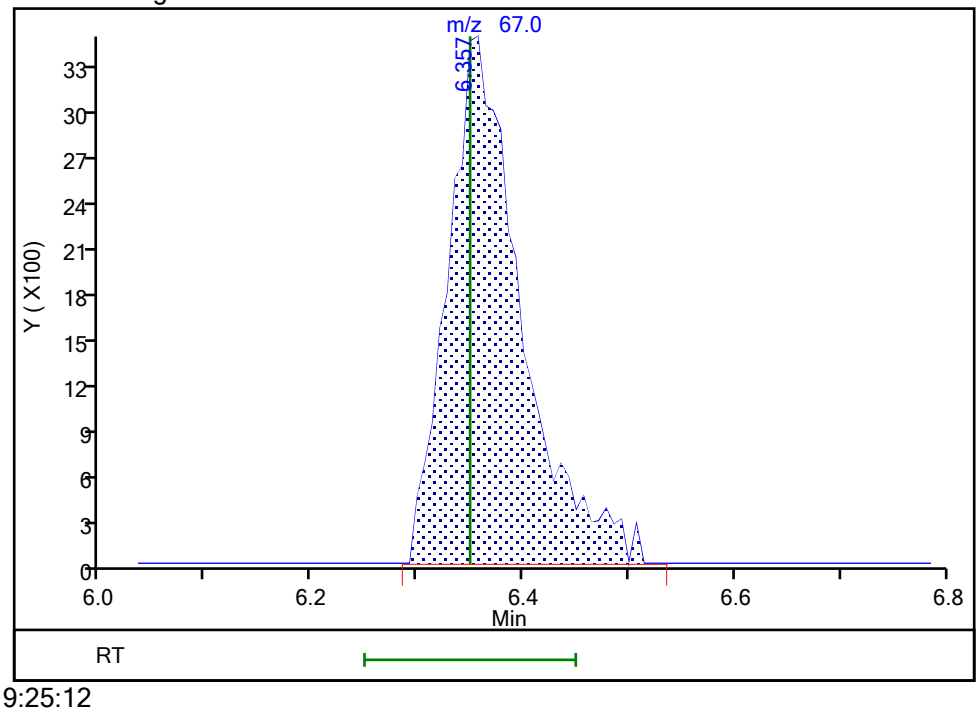
Processing Integration Results

RT: 6.36
Area: 15003
Amount: 2.288212
Amount Units: ug/l



Manual Integration Results

RT: 6.36
Area: 16584
Amount: 2.494963
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:25:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

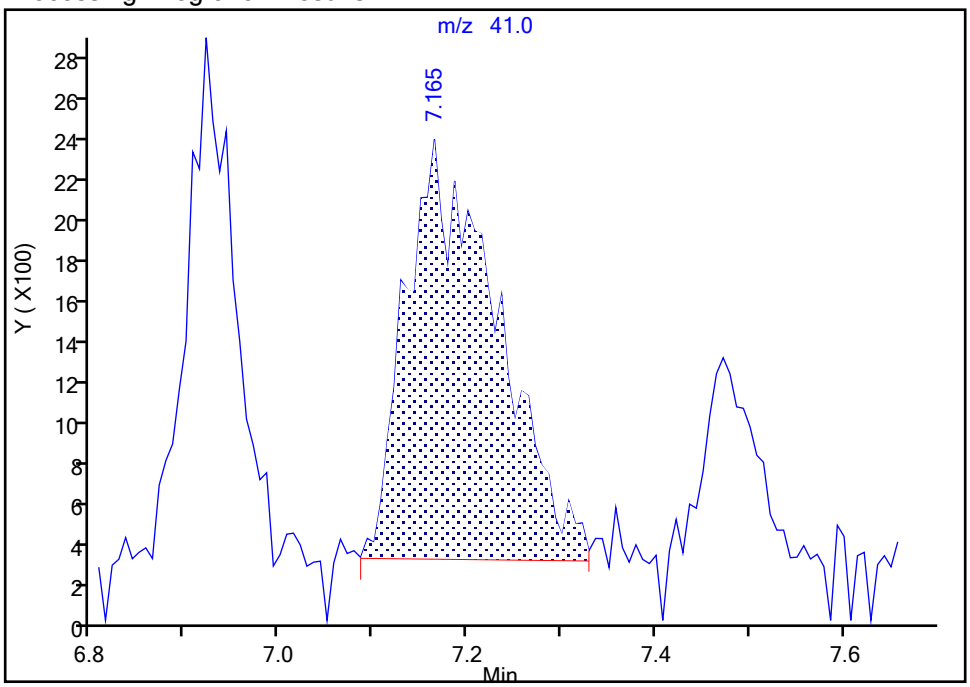
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

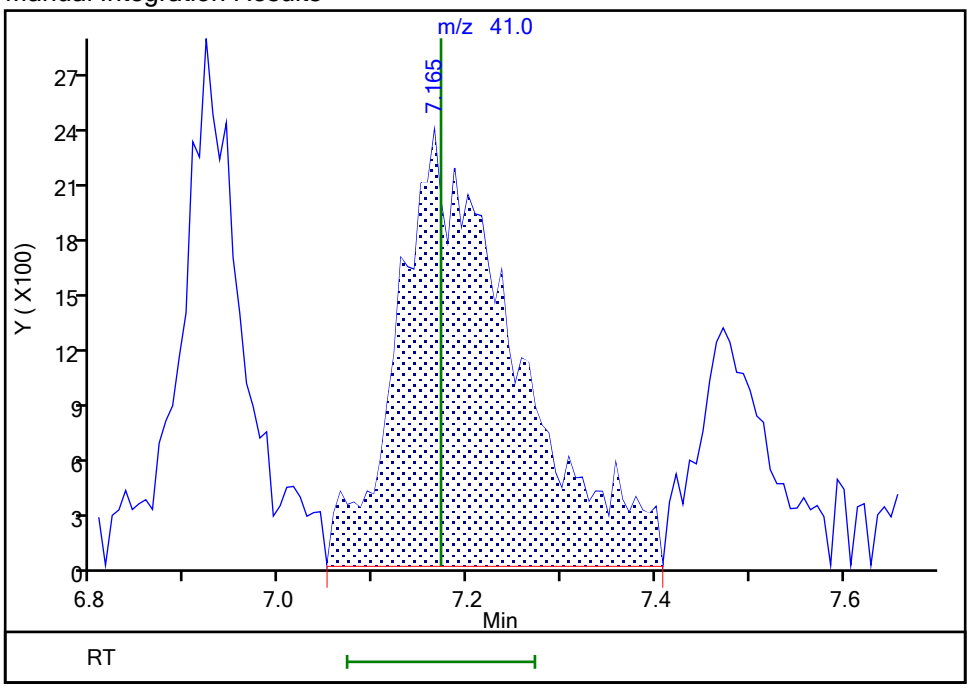
Processing Integration Results

RT: 7.16
Area: 14035
Amount: 11.411986
Amount Units: ug/l



Manual Integration Results

RT: 7.16
Area: 20695
Amount: 15.846561
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:25:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

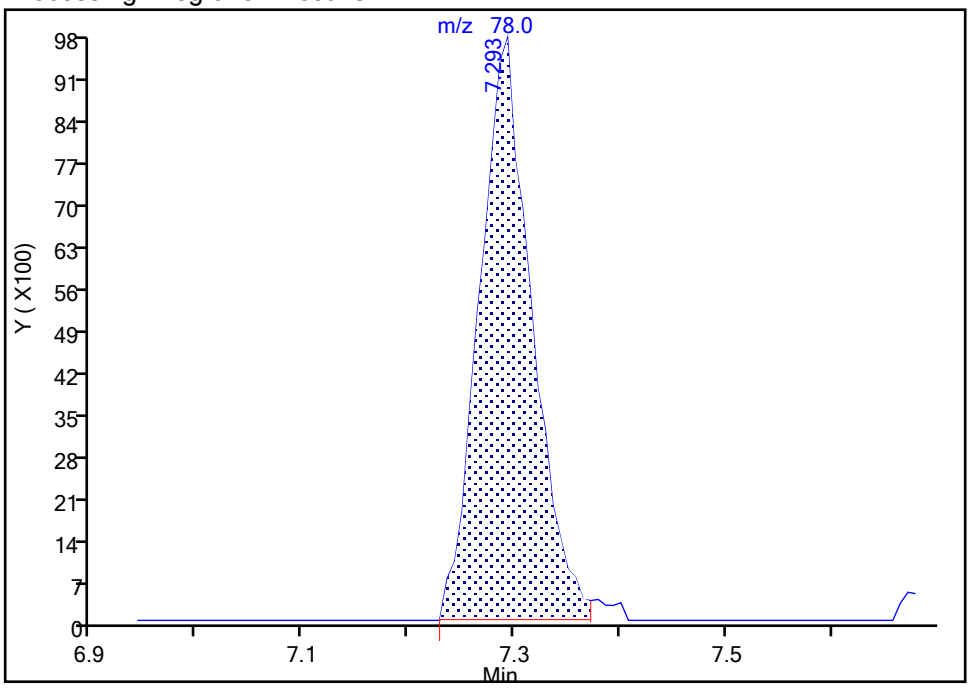
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

58 Benzene, CAS: 71-43-2

Signal: 1

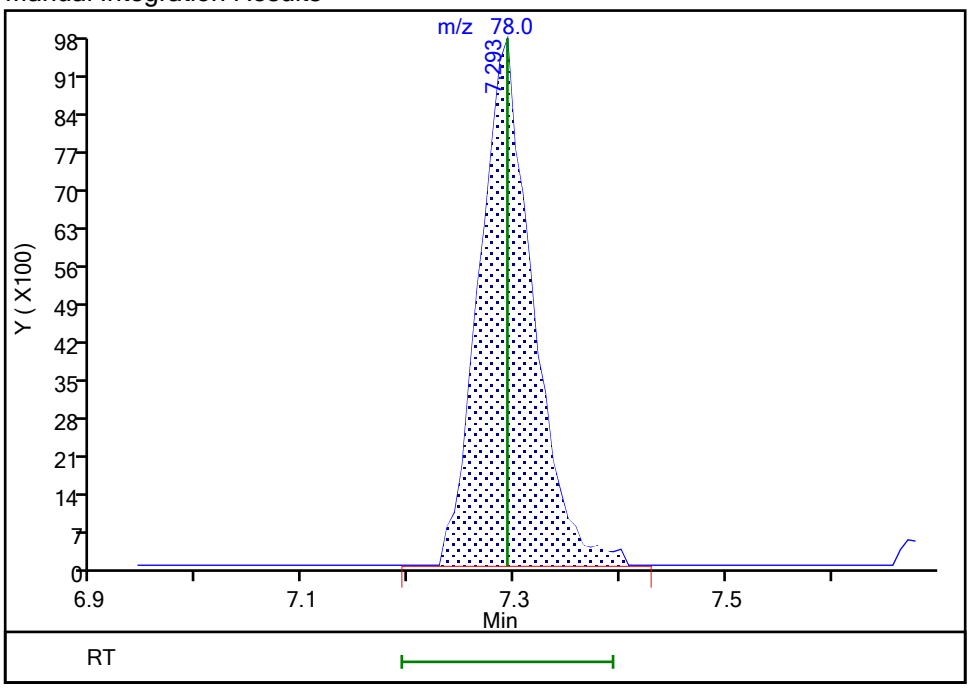
Processing Integration Results

RT: 7.29
Area: 33579
Amount: 0.942003
Amount Units: ug/l



Manual Integration Results

RT: 7.29
Area: 34070
Amount: 0.953900
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:25:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

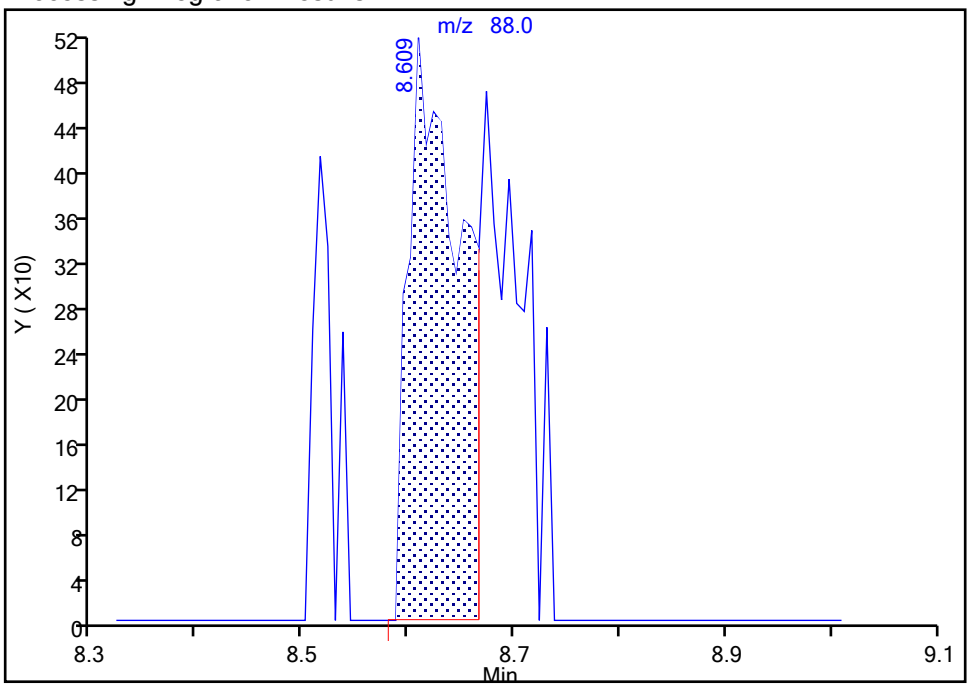
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D
Injection Date: 20-Feb-2023 16:20:30 Instrument ID: 9355
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

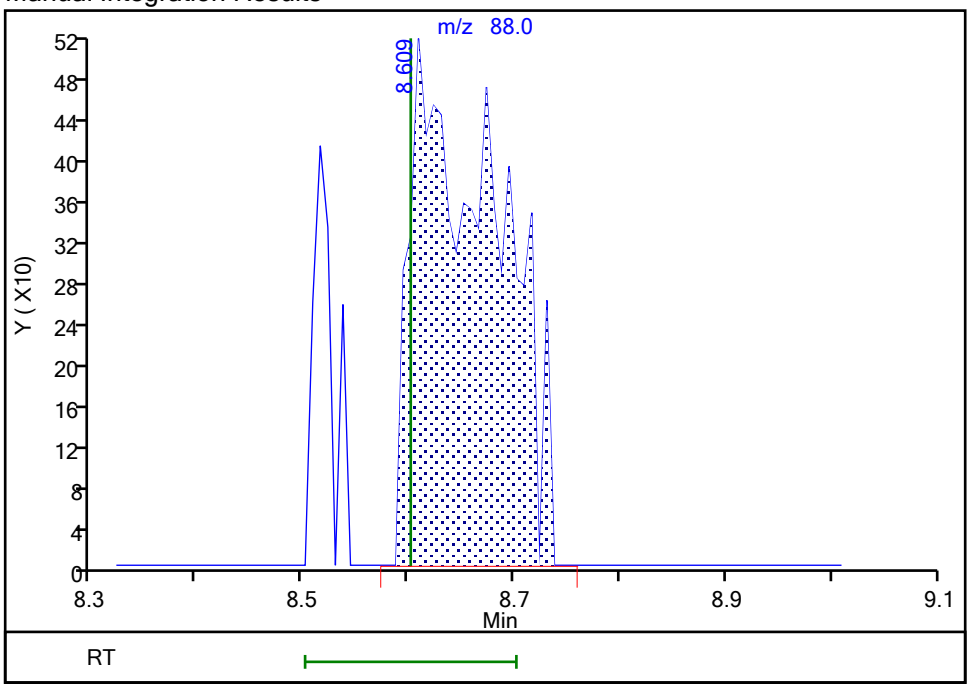
Processing Integration Results

RT: 8.61
Area: 1748
Amount: 14.803573
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 2876
Amount: 9.858296
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:25:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

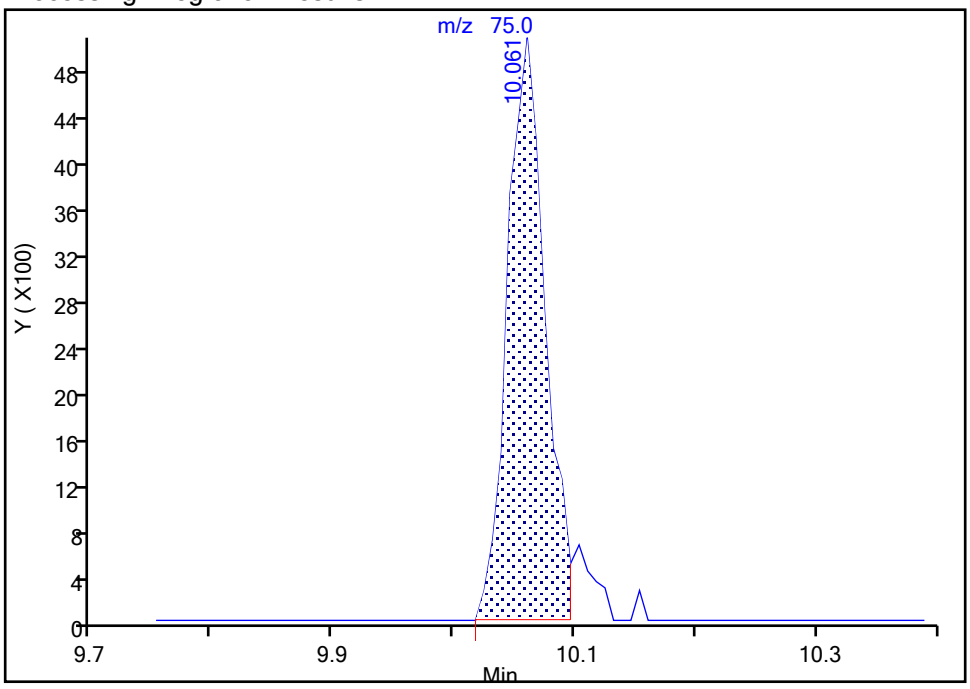
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

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

Signal: 1

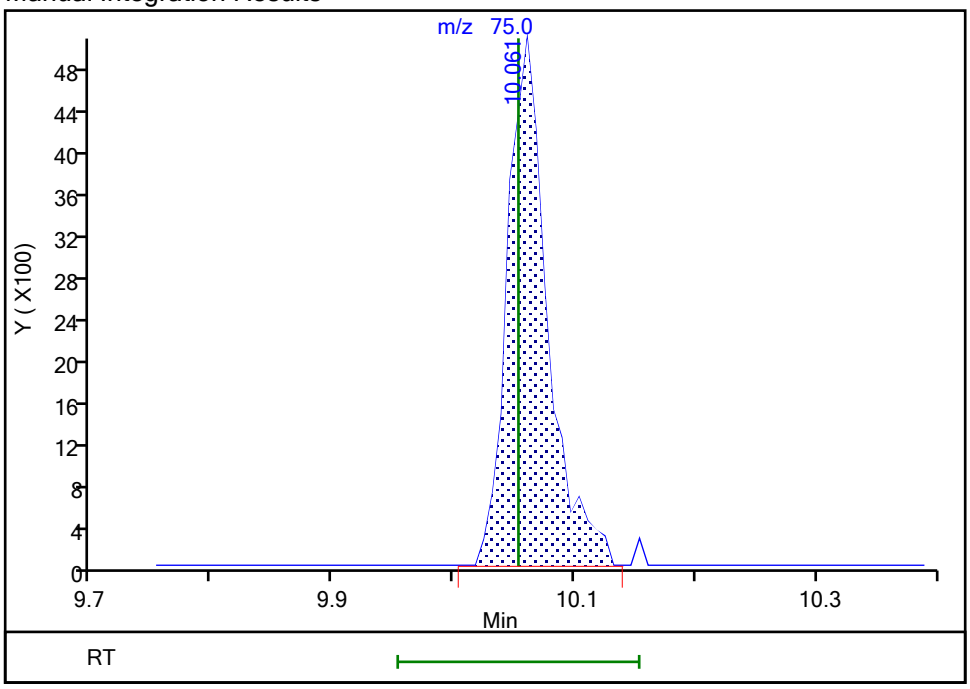
Processing Integration Results

RT: 10.06
Area: 11048
Amount: 0.849178
Amount Units: ug/l



Manual Integration Results

RT: 10.06
Area: 11782
Amount: 0.898355
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:25:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

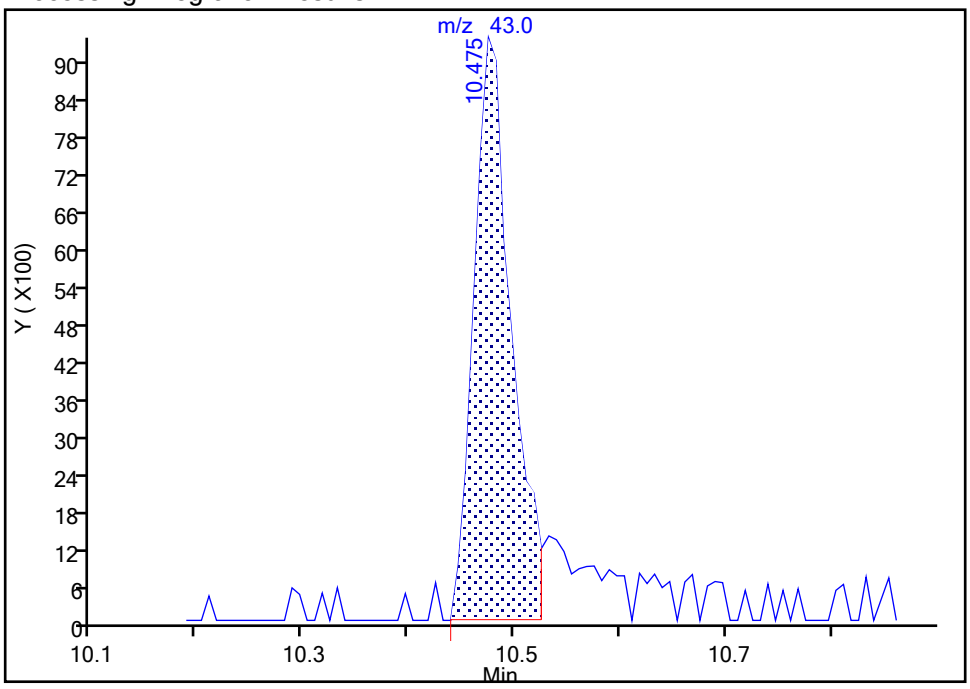
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D				
Injection Date:	20-Feb-2023 16:20:30	Instrument ID:	9355		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

124 2-Hexanone, CAS: 591-78-6

Signal: 1

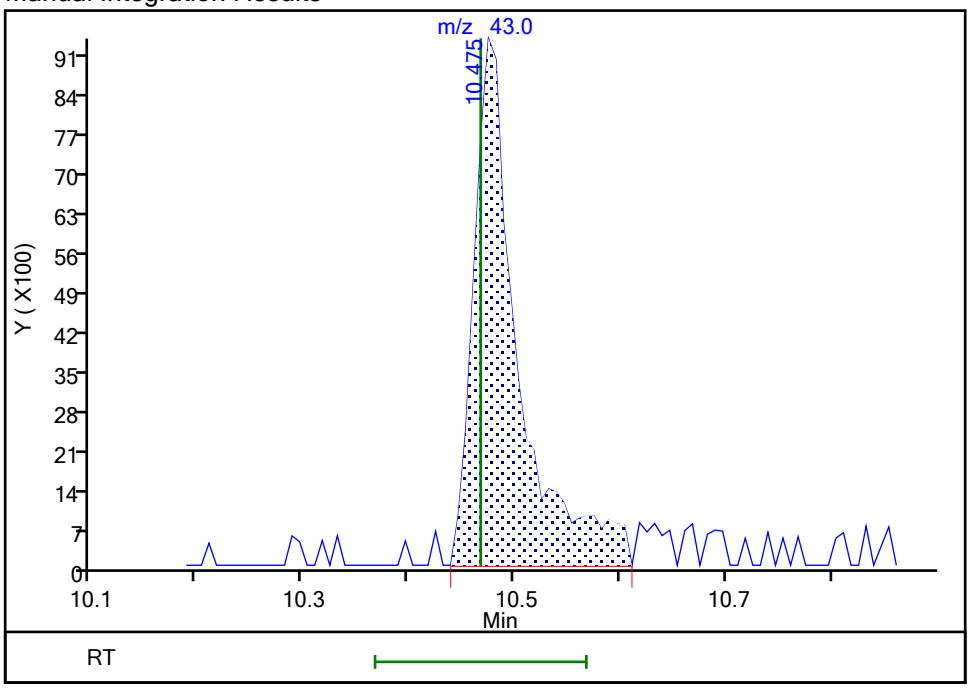
Processing Integration Results

RT: 10.48
Area: 23107
Amount: 1.745632
Amount Units: ug/l



Manual Integration Results

RT: 10.48
Area: 27385
Amount: 2.022136
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:25:52

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

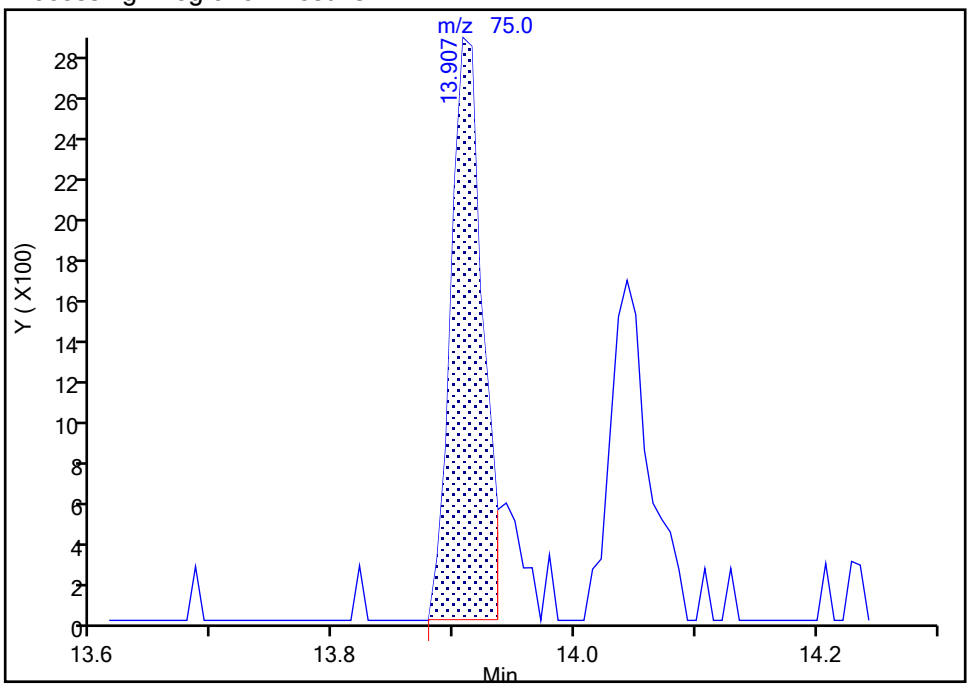
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D
Injection Date: 20-Feb-2023 16:20:30 Instrument ID: 9355
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

167 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

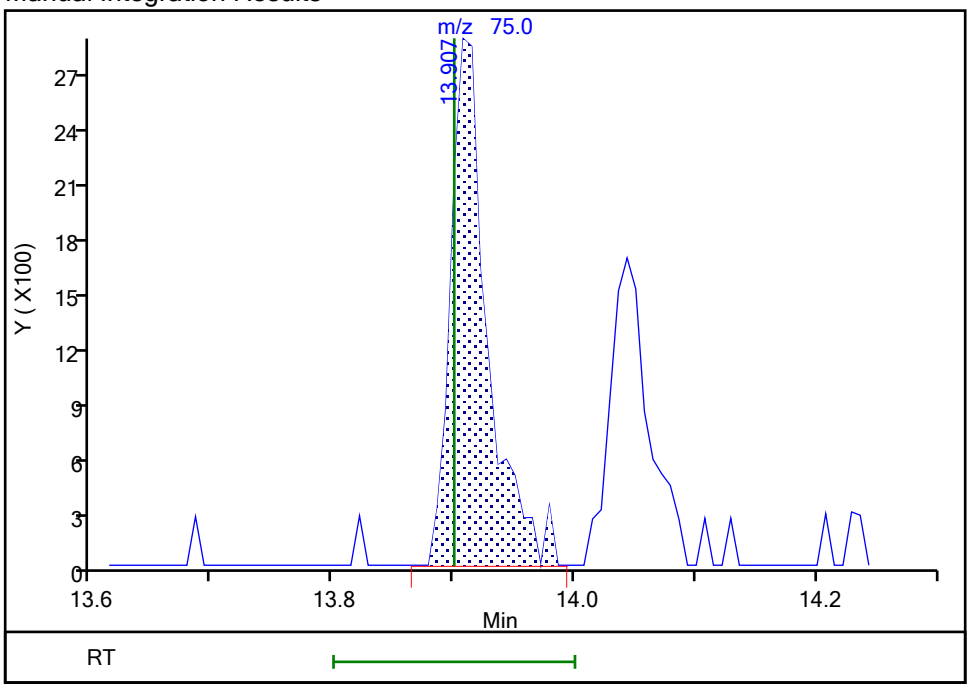
Processing Integration Results

RT: 13.91
Area: 5237
Amount: 0.887220
Amount Units: ug/l



Manual Integration Results

RT: 13.91
Area: 6051
Amount: 1.005318
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:26:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

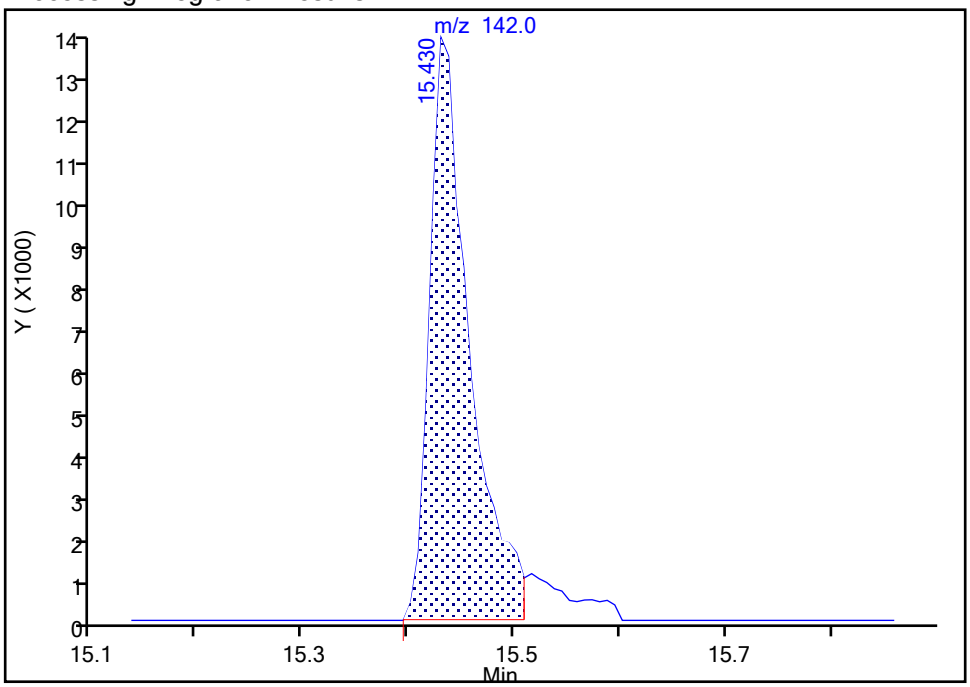
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I11.D
Injection Date: 20-Feb-2023 16:20:30 Instrument ID: 9355
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

173 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

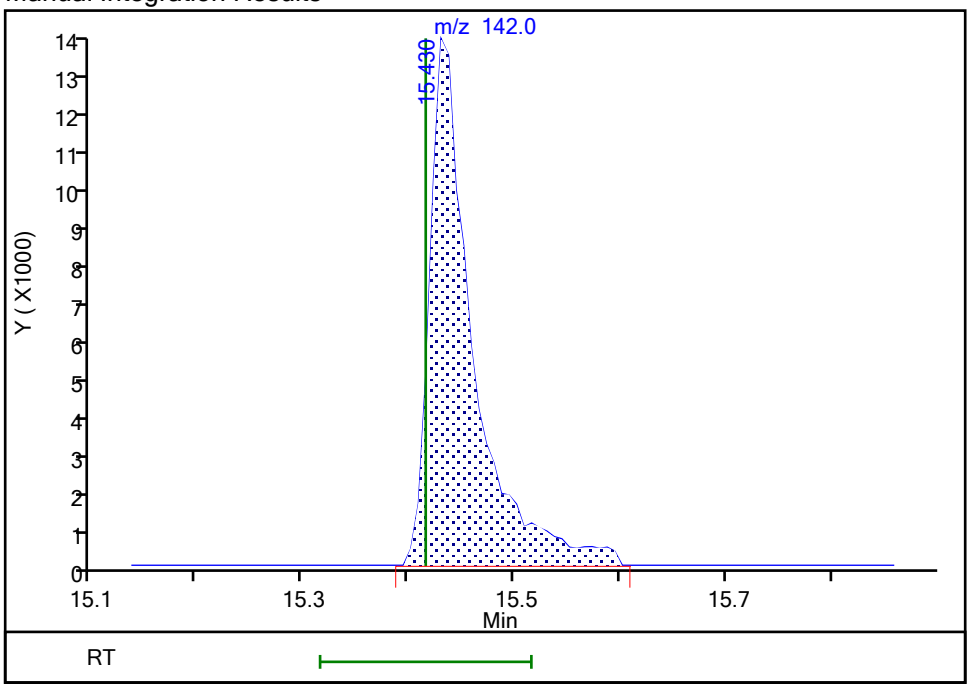
Processing Integration Results

RT: 15.43
Area: 35760
Amount: 0.861034
Amount Units: ug/l



Manual Integration Results

RT: 15.43
Area: 38975
Amount: 0.925038
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:26:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I12.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Feb-2023 16:42:30 ALS Bottle#: 3 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0077389-013
Misc. Info.: IC 4
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 20-Feb-2023 20:40:03 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1671

First Level Reviewer: K4WN Date: 20-Feb-2023 19:28:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.959	1.966	-0.007	99	64868	4.00	3.96	M
4 Chloromethane	50	2.159	2.166	-0.007	99	68446	4.00	3.88	
5 Vinyl chloride	62	2.274	2.274	0.000	98	65441	4.00	3.93	
6 Butadiene	39	2.281	2.288	-0.007	94	60907	4.00	4.08	
8 Bromomethane	94	2.610	2.610	0.000	90	42677	4.00	3.94	M
9 Chloroethane	64	2.681	2.674	0.007	99	32549	4.00	3.86	
10 Dichlorofluoromethane	67	2.924	2.924	0.000	97	83695	4.00	3.86	
11 Trichlorofluoromethane	101	2.996	2.996	0.000	49	75384	4.00	3.89	
12 Pentane	43	3.010	3.010	0.000	97	73199	4.00	4.44	
14 Ethyl ether	59	3.225	3.218	0.007	90	29882	4.00	3.88	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.303	3.289	0.014	92	44968	4.00	3.90	
16 Acrolein	56	3.382	3.382	0.000	99	158584	40.0	37.6	
17 1,1-Dichloroethene	96	3.532	3.525	0.007	98	33038	4.00	4.08	
18 Acetone	58	3.561	3.546	0.015	99	17219	8.00	7.66	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.568	3.575	-0.007	93	42571	4.00	4.11	
20 Isopropyl alcohol	45	3.718	3.697	0.021	30	34775	20.0	16.7	
21 Iodomethane	142	3.725	3.725	0.000	99	65860	4.00	3.97	
22 Carbon disulfide	76	3.840	3.840	0.000	100	120940	4.00	3.99	
24 Methyl acetate	43	3.983	3.961	0.022	98	64874	4.00	4.25	M
25 3-Chloro-1-propene	41	3.997	3.997	0.000	88	54668	4.00	3.89	
26 Methylene Chloride	84	4.176	4.183	-0.007	93	39140	4.00	4.04	
* 27 t-Butyl alcohol-d10 (IS)	65	4.269	4.269	0.000	73	641128	250.0	250.0	
28 2-Methyl-2-propanol	59	4.412	4.397	0.015	96	79861	20.0	20.8	M
29 Acrylonitrile	53	4.505	4.497	0.008	100	69605	10.0	9.47	
30 Methyl tert-butyl ether	73	4.583	4.590	-0.007	96	127291	4.00	3.96	
32 trans-1,2-Dichloroethene	96	4.612	4.605	0.007	99	35758	4.00	4.13	
33 Hexane	57	5.034	5.034	0.000	93	53181	4.00	4.14	
34 1,1-Dichloroethane	63	5.255	5.255	0.000	96	64150	4.00	4.06	
36 Isopropyl ether	45	5.313	5.320	-0.007	93	115338	4.00	3.86	
37 2-Chloro-1,3-butadiene	53	5.377	5.370	0.007	92	54999	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
39 Tert-butyl ethyl ether	59	5.856	5.856	0.000	98	116167	4.00	3.84	
40 2-Butanone (MEK)	43	6.063	6.056	0.007	100	83808	8.00	7.53	
41 cis-1,2-Dichloroethene	96	6.092	6.085	0.007	84	38929	4.00	4.04	
42 2,2-Dichloropropane	77	6.113	6.113	0.000	88	60927	4.00	4.03	
43 Propionitrile	54	6.149	6.135	0.014	99	65929	20.0	19.0	
S 45 1,2-Dichloroethene, Total	100				0			8.17	
47 Methacrylonitrile	67	6.349	6.349	0.000	92	62368	10.0	9.17	
48 Chlorobromomethane	128	6.442	6.428	0.014	96	20455	4.00	4.00	
49 Tetrahydrofuran	71	6.464	6.457	0.007	91	61219	20.0	19.2	
50 Chloroform	83	6.578	6.571	0.007	94	64760	4.00	4.05	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.800	-0.007	93	311672	50.0	50.9	
52 1,1,1-Trichloroethane	97	6.821	6.821	0.000	98	60946	4.00	4.01	
53 Cyclohexane	56	6.929	6.929	0.000	92	71492	4.00	3.96	
54 1,1-Dichloropropene	75	7.029	7.029	0.000	93	45192	4.00	3.87	
55 Carbon tetrachloride	117	7.043	7.036	0.007	92	49740	4.00	3.93	
56 Isobutyl alcohol	41	7.179	7.172	0.007	95	53753	50.0	43.5	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.257	7.250	0.007	78	75356	50.0	50.0	
58 Benzene	78	7.293	7.293	0.000	93	147026	4.00	4.02	
59 1,2-Dichloroethane	62	7.358	7.365	-0.007	97	52129	4.00	3.92	
61 Tert-amyl methyl ether	73	7.479	7.486	-0.007	98	111237	4.00	3.78	
* 62 Fluorobenzene (IS)	96	7.701	7.701	0.000	98	1229483	50.0	50.0	
63 n-Heptane	43	7.722	7.715	0.007	93	60122	4.00	4.07	
65 n-Butanol	56	8.051	8.044	0.007	91	44722	50.0	44.5	
66 Trichloroethene	95	8.187	8.187	0.000	98	36812	4.00	3.91	
67 Methylcyclohexane	83	8.502	8.509	-0.007	91	71129	4.00	3.95	
68 1,2-Dichloropropane	63	8.516	8.516	0.000	71	38537	4.00	3.85	
69 2-ethoxy-2-methyl butane	87	8.523	8.523	0.000	92	50338	4.00	3.72	
70 Methyl methacrylate	69	8.595	8.595	0.000	88	35229	4.00	3.58	
71 1,4-Dioxane	88	8.623	8.602	0.021	74	11370	50.0	41.2	M
72 Dibromomethane	93	8.630	8.630	0.000	96	25378	4.00	3.85	
74 Dichlorobromomethane	83	8.859	8.859	0.000	99	45615	4.00	3.78	
75 2-Nitropropane	41	9.109	9.109	0.000	99	97636	20.0	18.4	
76 2-Chloroethyl vinyl ether	63	9.224	9.217	0.007	93	26279	4.00	3.56	
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	95	53601	4.00	3.61	
78 4-Methyl-2-pentanone (MIBK)	43	9.574	9.574	0.000	98	146815	8.00	7.31	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1189251	50.0	50.8	
80 Toluene	92	9.803	9.803	0.000	98	90063	4.00	4.04	
117 trans-1,3-Dichloropropene	75	10.053	10.053	0.000	93	50142	4.00	3.71	
S 118 1,3-Dichloropropene, Total	100				0			7.33	
119 Ethyl methacrylate	69	10.118	10.118	0.000	90	56283	4.00	3.62	
120 1,1,2-Trichloroethane	97	10.261	10.261	0.000	91	35081	4.00	3.88	
121 Tetrachloroethene	166	10.361	10.361	0.000	97	40806	4.00	4.09	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	94	54215	4.00	3.81	
124 2-Hexanone	43	10.468	10.468	0.000	97	102451	8.00	7.35	
126 Chlorodibromomethane	129	10.647	10.647	0.000	89	35085	4.00	3.71	
127 Ethylene Dibromide	107	10.761	10.761	0.000	99	36658	4.00	3.84	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	917351	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	94	51108	4.00	3.98	
130 Chlorobenzene	112	11.219	11.219	0.000	95	102133	4.00	3.98	
S 131 Xylenes, Total	106				0			11.7	
132 1,1,1,2-Tetrachloroethane	131	11.297	11.297	0.000	92	38066	4.00	3.83	
133 Ethylbenzene	91	11.305	11.304	0.000	99	177582	4.00	3.96	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
134 m-Xylene & p-Xylene	106	11.419	11.419	0.000	1	135725	8.00	7.83	a
135 o-Xylene	106	11.748	11.748	0.000	97	70268	4.00	3.86	
136 Styrene	104	11.769	11.762	0.007	94	110010	4.00	3.81	
137 Bromoform	173	11.927	11.927	0.000	96	27626	4.00	3.46	
138 Isopropylbenzene	105	12.048	12.048	0.000	96	189207	4.00	3.97	
140 Cyclohexanone	55	12.120	12.127	-0.007	93	187251	200.0	173.1	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	91	472472	50.0	50.4	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	94	74588	4.00	3.85	
143 Bromobenzene	156	12.313	12.313	0.000	95	46032	4.00	3.73	
144 trans-1,4-Dichloro-2-butene	53	12.320	12.313	0.007	79	50484	10.0	9.03	
145 1,2,3-Trichloropropane	110	12.341	12.334	0.007	84	21359	4.00	3.71	
146 N-Propylbenzene	91	12.384	12.384	0.000	99	226612	4.00	4.00	
147 2-Chlorotoluene	126	12.463	12.456	0.007	97	47553	4.00	3.87	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	94	164285	4.00	3.76	
149 4-Chlorotoluene	126	12.549	12.549	0.000	98	45270	4.00	3.79	
151 tert-Butylbenzene	134	12.763	12.763	0.000	93	29937	4.00	3.55	
153 1,2,4-Trimethylbenzene	105	12.806	12.806	0.000	98	170471	4.00	3.76	
154 sec-Butylbenzene	105	12.928	12.928	0.000	94	213573	4.00	3.92	
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	97	95594	4.00	3.83	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	97	183968	4.00	3.81	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	592341	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.106	13.099	0.007	94	94853	4.00	3.83	
159 1,2,3-Trimethylbenzene	105	13.106	13.106	0.000	98	185144	4.00	3.78	
160 Benzyl chloride	91	13.178	13.171	0.007	99	126622	4.00	3.49	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	95	114582	4.00	3.76	
162 p-Diethylbenzene	119	13.307	13.307	0.000	94	121927	4.00	3.84	
163 n-Butylbenzene	92	13.328	13.328	0.000	98	96872	4.00	3.83	
164 1,2-Dichlorobenzene	146	13.364	13.357	0.007	98	105679	4.00	3.88	
165 o-diethylbenzene	119	13.378	13.378	0.000	96	96354	4.00	3.68	
167 1,2-Dibromo-3-Chloropropane	75	13.907	13.900	0.007	85	22213	4.00	3.55	
168 1,3,5-Trichlorobenzene	180	14.043	14.036	0.007	97	85355	4.00	3.82	
169 1,2,4-Trichlorobenzene	180	14.465	14.458	0.007	94	83044	4.00	3.78	
170 Hexachlorobutadiene	225	14.544	14.544	0.000	97	34676	4.00	3.75	
171 Naphthalene	128	14.644	14.636	0.008	97	284826	4.00	3.66	
172 1,2,3-Trichlorobenzene	180	14.787	14.779	0.008	96	84808	4.00	3.79	
173 2-Methylnaphthalene	142	15.423	15.416	0.007	92	154301	4.00	3.52	M
S 184 Total Diethylbenzene	1				0			11.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00111	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00005	Amount Added:	32.00	Units: uL	
MSV_CCV_VOC#3_00112	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00107	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00004	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00394	Amount Added:	2.00	Units: uL	
MSV_HP20_ISSS_00096	Amount Added:	1.00	Units: uL	Run Reagent

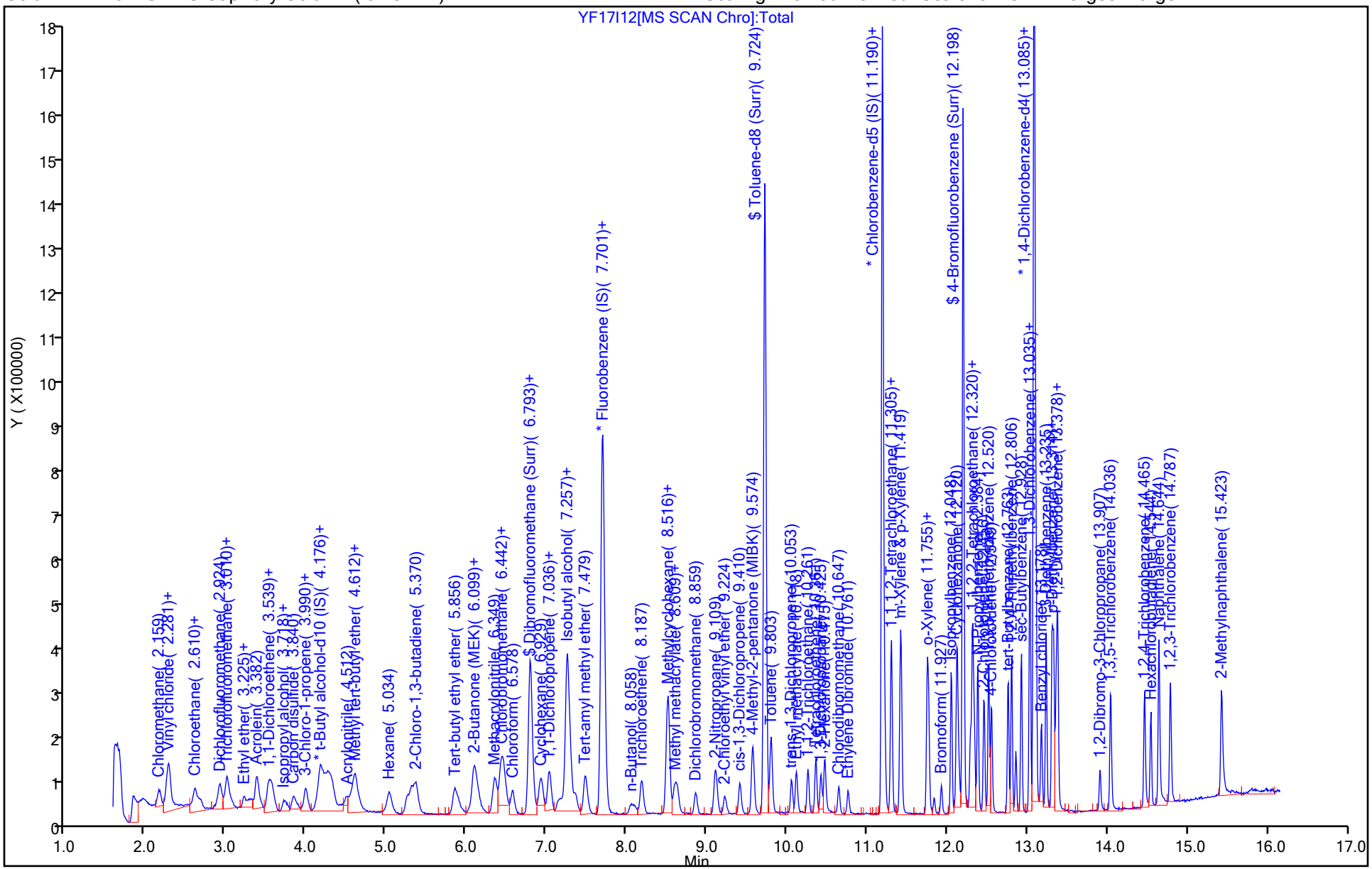
Report Date: 20-Feb-2023 20:40:03 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I12.D

Injection Date:	20-Feb-2023 16:42:30	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#:	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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

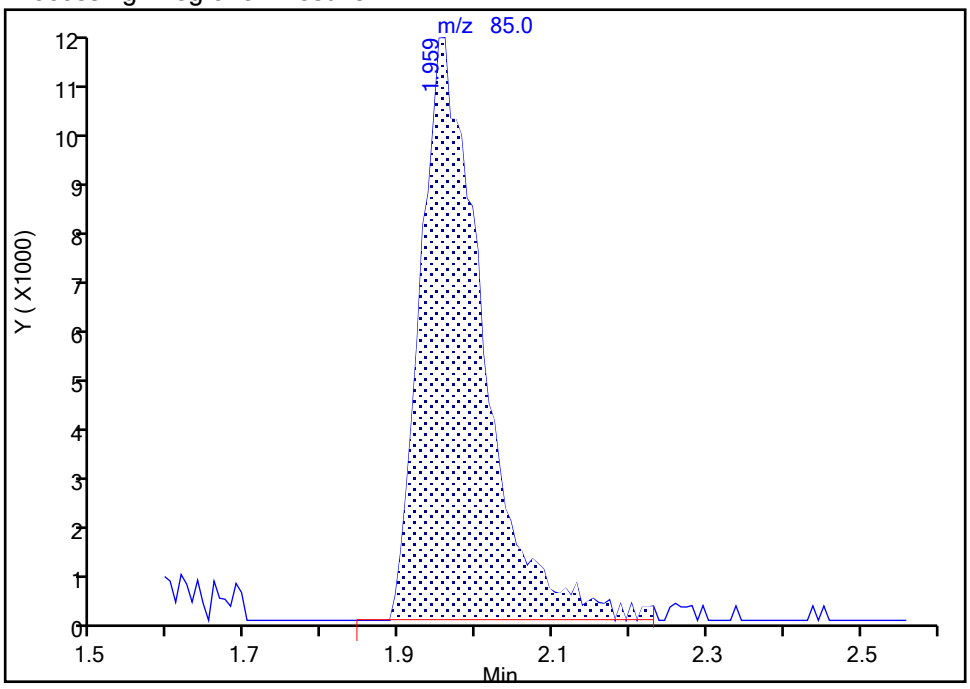
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I12.D				
Injection Date:	20-Feb-2023 16:42:30	Instrument ID:	9355		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	3	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

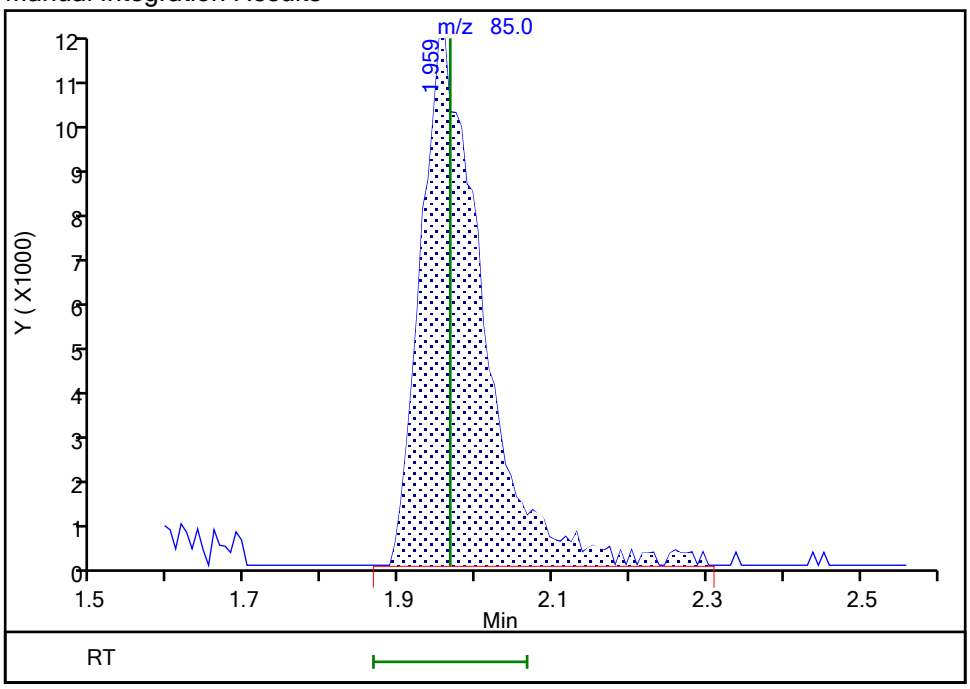
Processing Integration Results

RT: 1.96
Area: 64143
Amount: 3.927730
Amount Units: ug/l



Manual Integration Results

RT: 1.96
Area: 64868
Amount: 3.955571
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:26:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

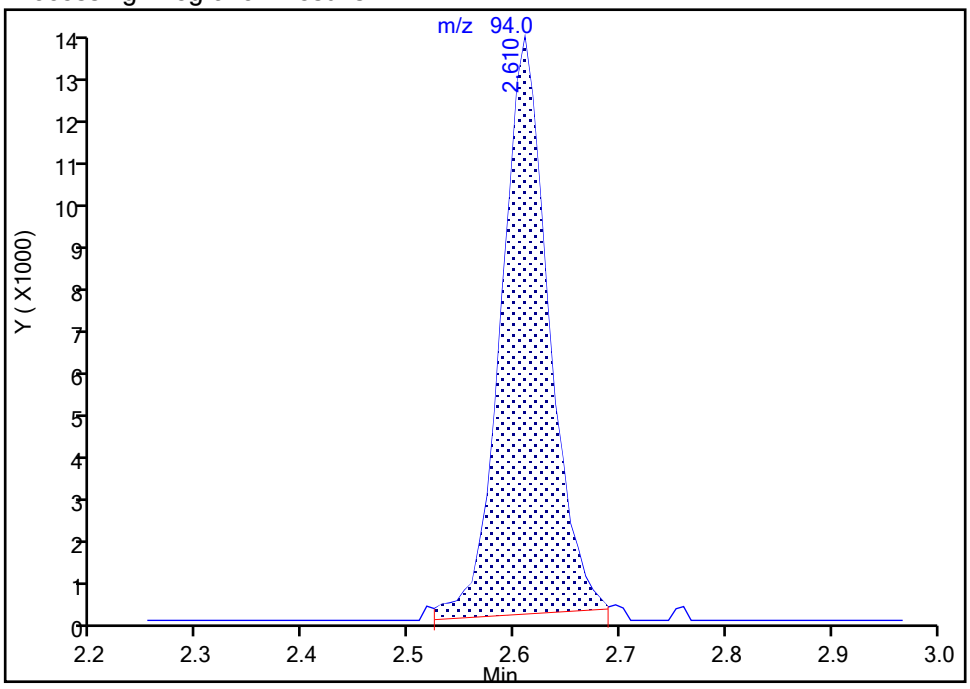
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I12.D
Injection Date: 20-Feb-2023 16:42:30 Instrument ID: 9355
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 3 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

8 Bromomethane, CAS: 74-83-9

Signal: 1

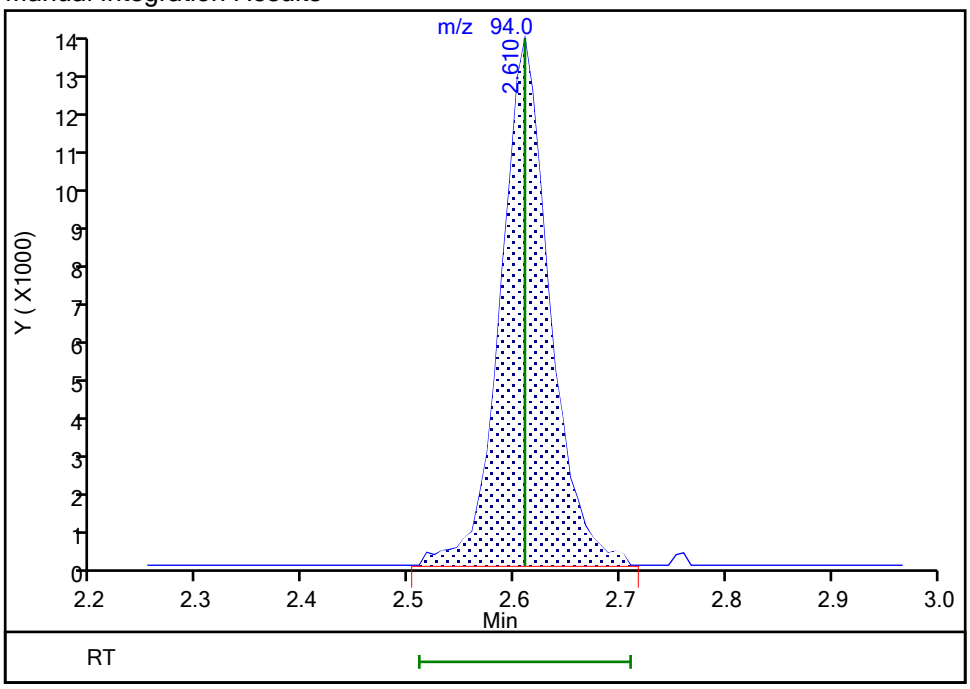
Processing Integration Results

RT: 2.61
Area: 40776
Amount: 3.786624
Amount Units: ug/l



Manual Integration Results

RT: 2.61
Area: 42677
Amount: 3.938328
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:26:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

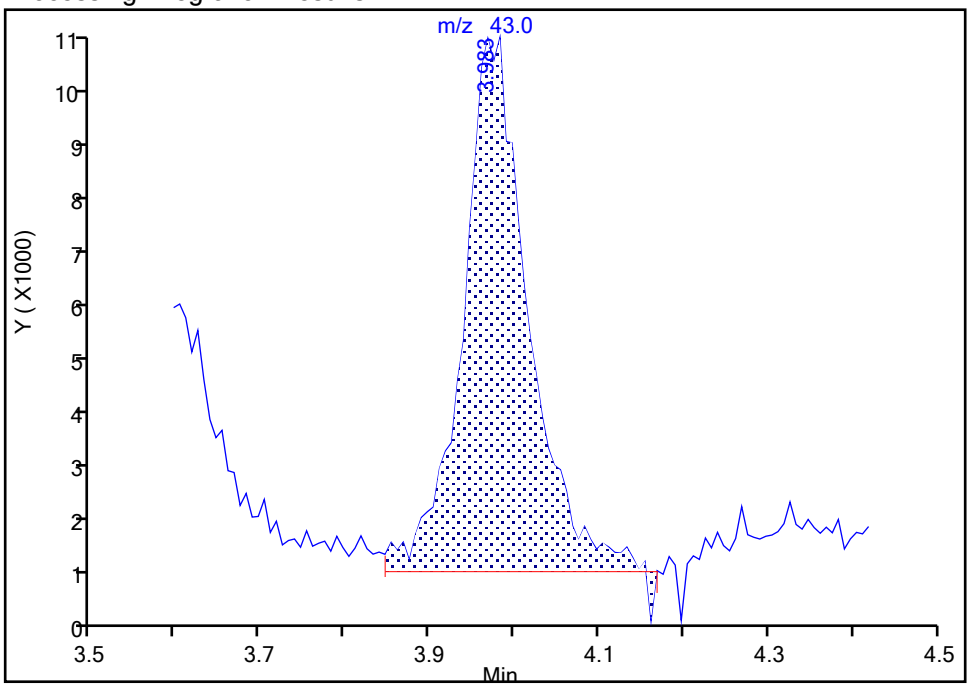
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I12.D				
Injection Date:	20-Feb-2023 16:42:30	Instrument ID:	9355		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	3	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

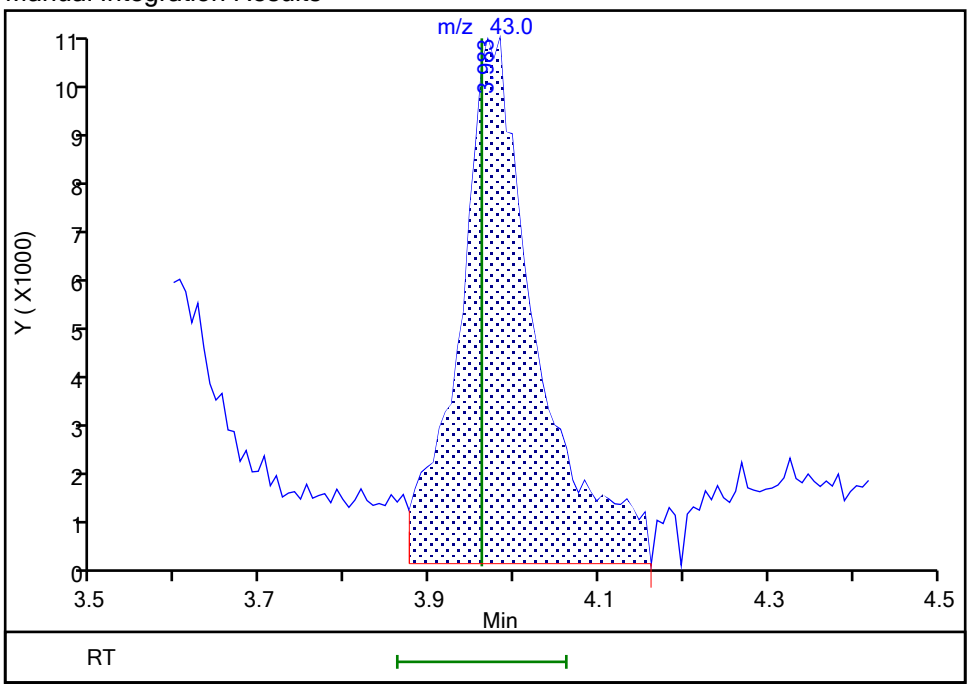
Processing Integration Results

RT: 3.98
Area: 50363
Amount: 3.435411
Amount Units: ug/l



Manual Integration Results

RT: 3.98
Area: 64874
Amount: 4.245123
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:27:11
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

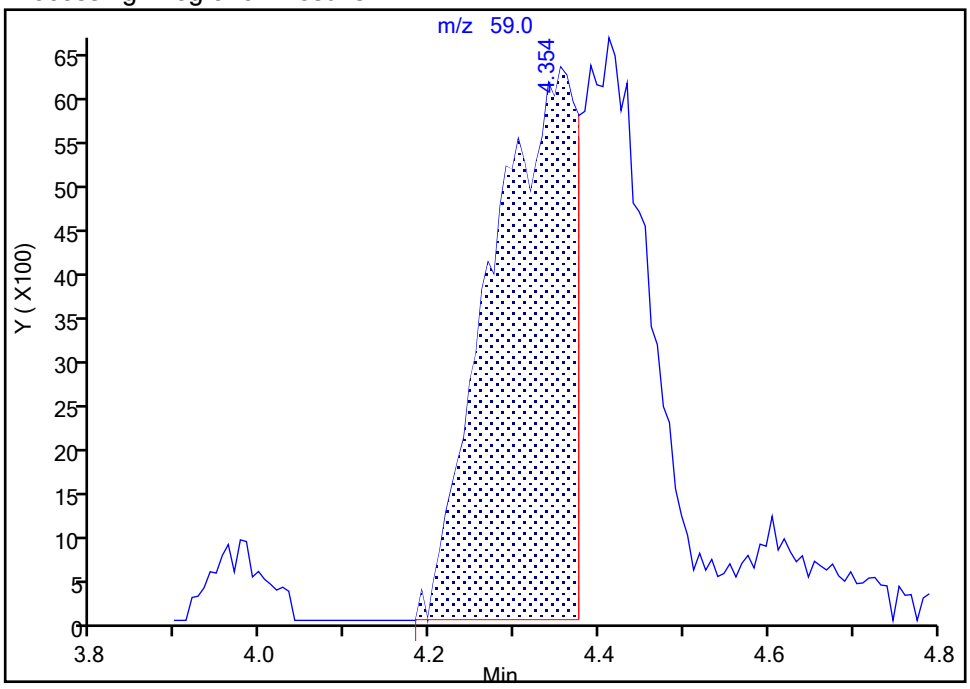
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I12.D				
Injection Date:	20-Feb-2023 16:42:30	Instrument ID:	9355		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	3	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

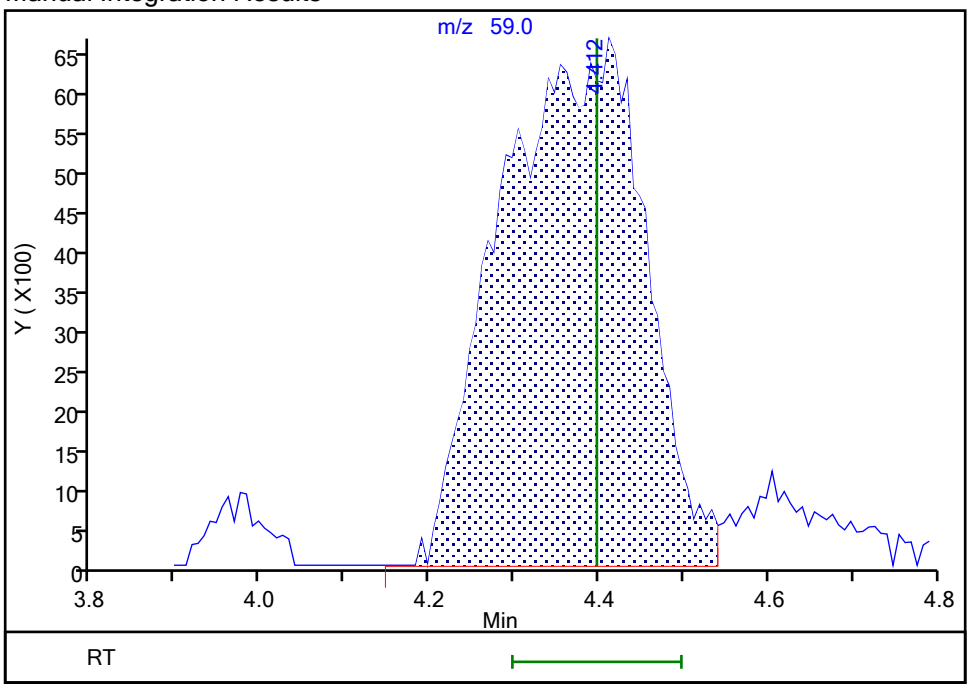
Processing Integration Results

RT: 4.35
Area: 44744
Amount: 10.941773
Amount Units: ug/l



Manual Integration Results

RT: 4.41
Area: 79861
Amount: 20.773413
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:27:29
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

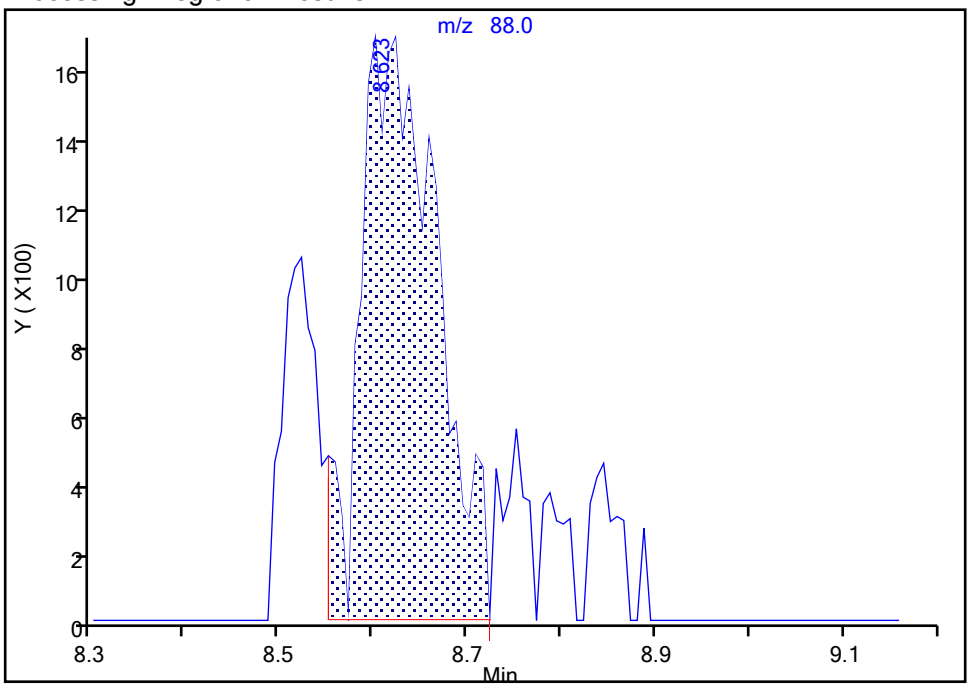
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I12.D				
Injection Date:	20-Feb-2023 16:42:30	Instrument ID:	9355		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	3	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

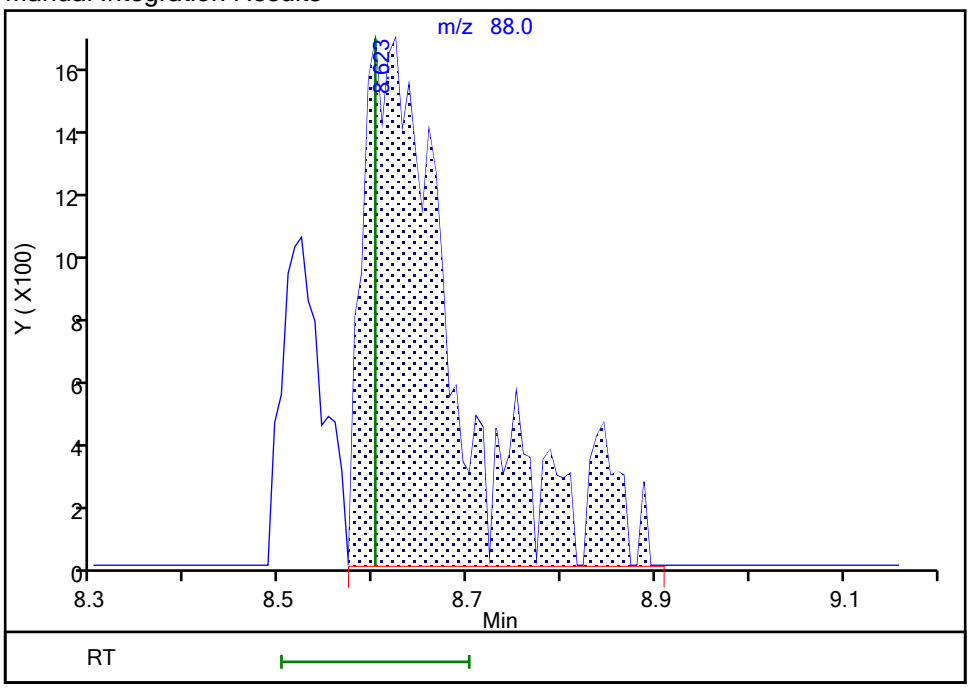
Processing Integration Results

RT: 8.62
Area: 9299
Amount: 37.271626
Amount Units: ug/l



Manual Integration Results

RT: 8.62
Area: 11370
Amount: 41.163802
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:27:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

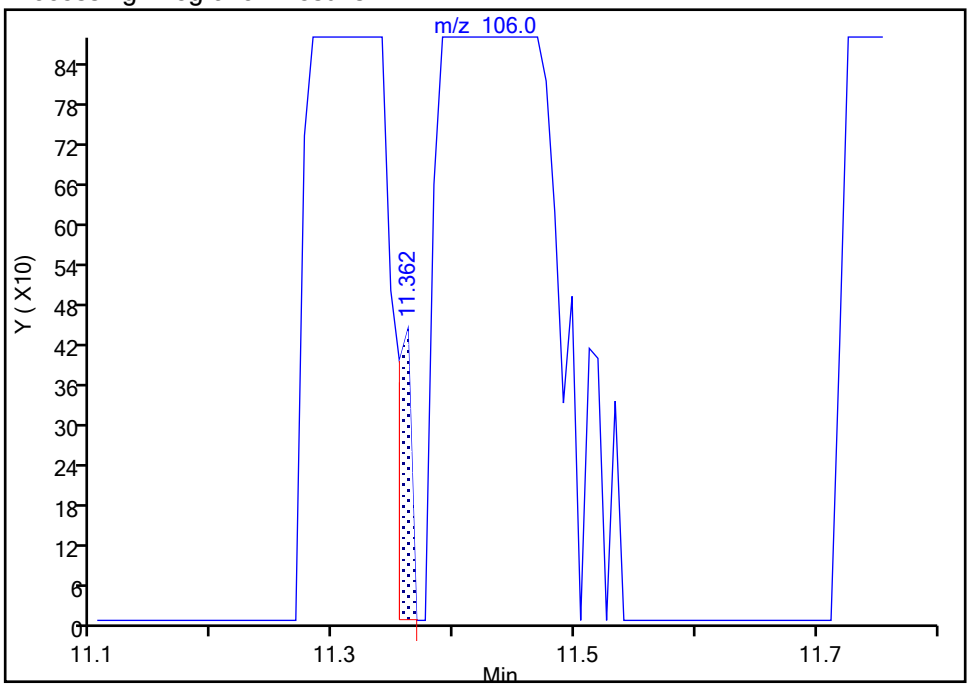
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I12.D				
Injection Date:	20-Feb-2023 16:42:30	Instrument ID:	9355		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	3	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

134 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

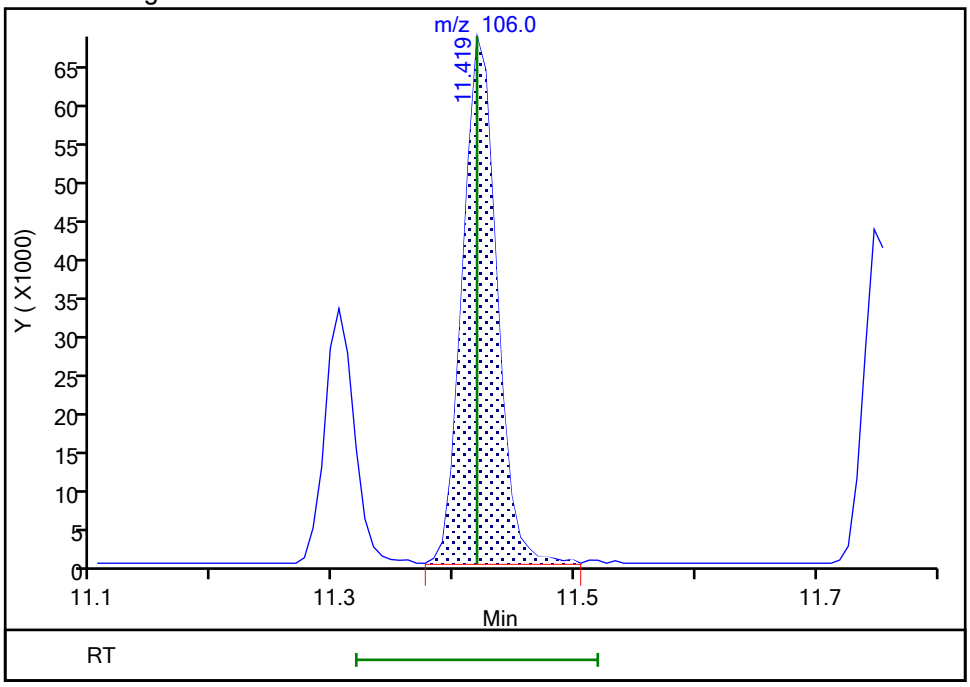
Processing Integration Results

RT: 11.36
Area: 354
Amount: 0.028573
Amount Units: ug/l



Manual Integration Results

RT: 11.42
Area: 135725
Amount: 7.825180
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:27:56
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

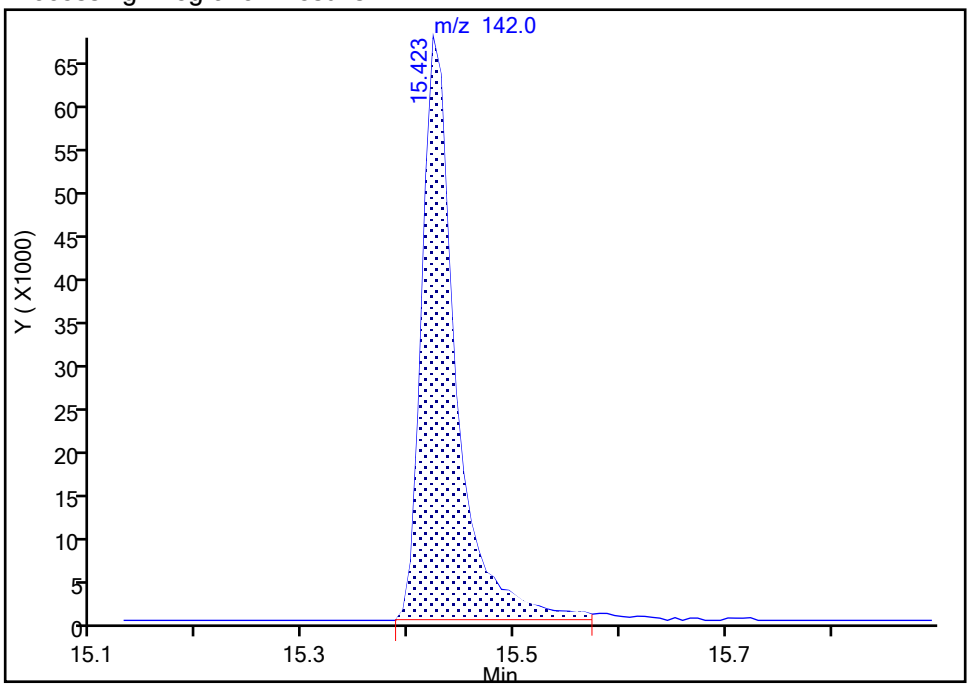
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I12.D				
Injection Date:	20-Feb-2023 16:42:30	Instrument ID:	9355		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	3	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

173 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

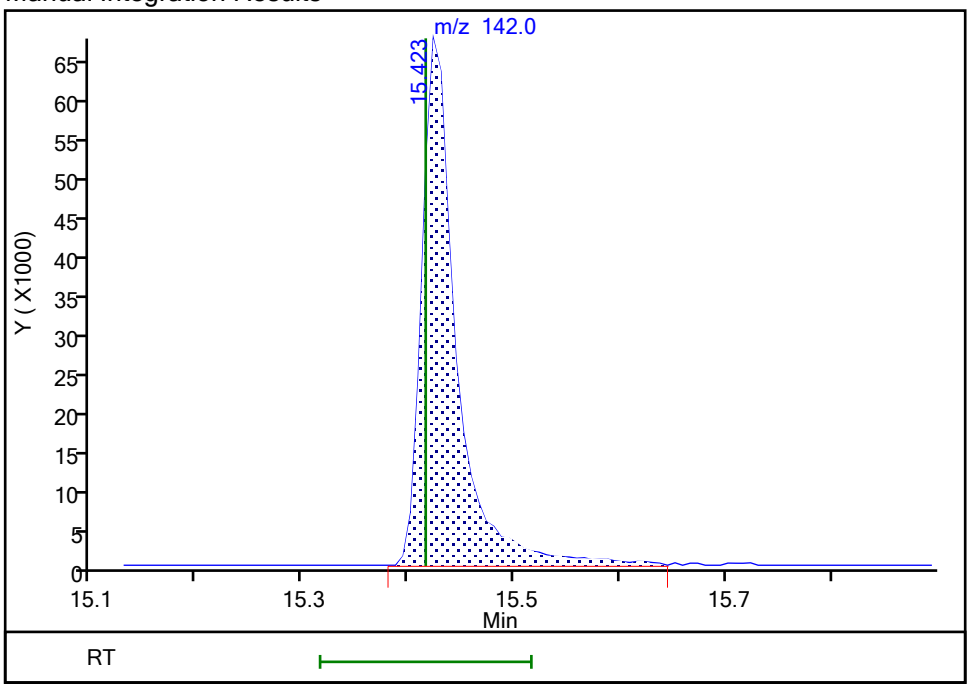
Processing Integration Results

RT: 15.42
Area: 152346
Amount: 3.491920
Amount Units: ug/l



Manual Integration Results

RT: 15.42
Area: 154301
Amount: 3.524757
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:28:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I13.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Feb-2023 17:04:30 ALS Bottle#: 4 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0077389-014
Misc. Info.: IC 10
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 20-Feb-2023 20:40:08 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1671

First Level Reviewer: K4WN Date: 20-Feb-2023 19:30:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.952	1.966	-0.014	99	156252	10.0	9.84	
4 Chloromethane	50	2.167	2.166	0.001	99	181679	10.0	10.6	
5 Vinyl chloride	62	2.267	2.274	-0.007	98	167689	10.0	10.4	
6 Butadiene	39	2.288	2.288	0.000	93	143306	10.0	9.92	
8 Bromomethane	94	2.617	2.610	0.007	90	113475	10.0	10.8	
9 Chloroethane	64	2.681	2.674	0.007	100	87297	10.0	10.7	
10 Dichlorofluoromethane	67	2.924	2.924	0.000	97	213312	10.0	10.2	
11 Trichlorofluoromethane	101	3.003	2.996	0.007	62	190570	10.0	10.2	
12 Pentane	43	3.010	3.010	0.000	97	149988	10.0	9.40	
14 Ethyl ether	59	3.218	3.218	0.000	92	72595	10.0	9.74	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.303	3.289	0.014	94	116027	10.0	10.4	
16 Acrolein	56	3.382	3.382	0.000	99	427434	100.0	112.2	
17 1,1-Dichloroethene	96	3.525	3.525	0.000	98	79681	10.0	10.2	
18 Acetone	58	3.547	3.546	0.001	98	44678	20.0	22.0	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.575	3.575	0.000	91	99923	10.0	9.95	
20 Isopropyl alcohol	45	3.718	3.697	0.021	27	75133	50.0	39.8	M
21 Iodomethane	142	3.725	3.725	0.000	98	164581	10.0	10.2	
22 Carbon disulfide	76	3.847	3.840	0.007	99	300583	10.0	10.2	
24 Methyl acetate	43	3.976	3.961	0.015	97	145582	10.0	9.84	M
25 3-Chloro-1-propene	41	3.990	3.997	-0.007	89	131775	10.0	9.67	
26 Methylene Chloride	84	4.183	4.183	0.000	93	98968	10.0	10.5	
* 27 t-Butyl alcohol-d10 (IS)	65	4.233	4.269	-0.036	75	579929	250.0	250.0	
28 2-Methyl-2-propanol	59	4.340	4.397	-0.057	99	153674	50.0	44.2	
29 Acrylonitrile	53	4.498	4.497	0.001	98	183567	25.0	25.8	
30 Methyl tert-butyl ether	73	4.590	4.590	0.000	96	321623	10.0	10.3	
32 trans-1,2-Dichloroethene	96	4.612	4.605	0.007	98	86984	10.0	10.4	
33 Hexane	57	5.034	5.034	0.000	95	121703	10.0	9.78	
34 1,1-Dichloroethane	63	5.255	5.255	0.000	96	160769	10.0	10.5	
36 Isopropyl ether	45	5.320	5.320	0.000	93	295914	10.0	10.2	
37 2-Chloro-1,3-butadiene	53	5.370	5.370	0.000	92	134650	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.856	5.856	0.000	98	294529	10.0	10.0	
40 2-Butanone (MEK)	43	6.056	6.056	0.000	100	210400	20.0	19.5	
41 cis-1,2-Dichloroethene	96	6.099	6.085	0.014	83	97555	10.0	10.4	
42 2,2-Dichloropropane	77	6.113	6.113	0.000	90	148238	10.0	10.1	
43 Propionitrile	54	6.149	6.135	0.014	84	167592	50.0	53.3	
S 45 1,2-Dichloroethene, Total	100				0			20.8	
47 Methacrylonitrile	67	6.349	6.349	0.000	92	165203	25.0	25.1	
48 Chlorobromomethane	128	6.435	6.428	0.007	95	52496	10.0	10.6	
49 Tetrahydrofuran	71	6.457	6.457	0.000	92	149600	50.0	51.8	
50 Chloroform	83	6.578	6.571	0.007	94	160642	10.0	10.4	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.800	-0.007	93	302463	50.0	51.0	
52 1,1,1-Trichloroethane	97	6.821	6.821	0.000	98	149688	10.0	10.2	
53 Cyclohexane	56	6.929	6.929	0.000	91	169052	10.0	9.66	
54 1,1-Dichloropropene	75	7.029	7.029	0.000	95	114412	10.0	10.1	
55 Carbon tetrachloride	117	7.036	7.036	0.000	97	120796	10.0	9.86	
56 Isobutyl alcohol	41	7.157	7.172	-0.015	92	112708	125.0	100.8	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.258	7.250	0.008	78	73843	50.0	50.6	
58 Benzene	78	7.293	7.293	0.000	96	363210	10.0	10.3	
59 1,2-Dichloroethane	62	7.358	7.365	-0.007	97	131948	10.0	10.3	
61 Tert-amyl methyl ether	73	7.486	7.486	0.000	98	286176	10.0	10.0	
* 62 Fluorobenzene (IS)	96	7.694	7.701	-0.007	98	1190643	50.0	50.0	
63 n-Heptane	43	7.715	7.715	0.000	91	135586	10.0	9.48	
65 n-Butanol	56	8.044	8.044	0.000	91	103514	125.0	113.9	
66 Trichloroethene	95	8.180	8.187	-0.007	98	90373	10.0	9.91	
67 Methylcyclohexane	83	8.502	8.509	-0.007	94	166271	10.0	9.54	
68 1,2-Dichloropropane	63	8.516	8.516	0.000	72	96141	10.0	9.93	
69 2-ethoxy-2-methyl butane	87	8.516	8.523	-0.007	93	131812	10.0	10.1	
70 Methyl methacrylate	69	8.595	8.595	0.000	89	96210	10.0	10.1	
71 1,4-Dioxane	88	8.609	8.602	0.007	39	28674	125.0	114.8	M
72 Dibromomethane	93	8.630	8.630	0.000	96	66380	10.0	10.4	
74 Dichlorobromomethane	83	8.859	8.859	0.000	99	116508	10.0	9.97	
75 2-Nitropropane	41	9.109	9.109	0.000	99	255613	50.0	53.3	
76 2-Chloroethyl vinyl ether	63	9.217	9.217	0.000	91	68947	10.0	9.65	
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	95	142705	10.0	9.93	
78 4-Methyl-2-pentanone (MIBK)	43	9.574	9.574	0.000	98	397660	20.0	20.4	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1169978	50.0	50.6	
80 Toluene	92	9.803	9.803	0.000	97	223944	10.0	10.2	
117 trans-1,3-Dichloropropene	75	10.053	10.053	0.000	94	131352	10.0	9.86	
S 118 1,3-Dichloropropene, Total	100				0			19.8	
119 Ethyl methacrylate	69	10.118	10.118	0.000	89	154812	10.0	10.1	
120 1,1,2-Trichloroethane	97	10.261	10.261	0.000	91	92177	10.0	10.3	
121 Tetrachloroethene	166	10.361	10.361	0.000	97	98698	10.0	10.0	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	92	142117	10.0	10.1	
124 2-Hexanone	43	10.468	10.468	0.000	98	283550	20.0	20.6	
126 Chlorodibromomethane	129	10.647	10.647	0.000	90	91395	10.0	9.80	
127 Ethylene Dibromide	107	10.761	10.761	0.000	99	96440	10.0	10.2	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	905308	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	98	122713	10.0	9.69	
130 Chlorobenzene	112	11.219	11.219	0.000	94	253679	10.0	10.0	
S 131 Xylenes, Total	106				0			30.6	
132 1,1,1,2-Tetrachloroethane	131	11.297	11.297	0.000	93	99649	10.0	10.2	
133 Ethylbenzene	91	11.305	11.304	0.001	98	453134	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
134 m-Xylene & p-Xylene	106	11.419	11.419	0.000	1	352115	20.0	20.6	
135 o-Xylene	106	11.748	11.748	0.000	97	180049	10.0	10.0	
136 Styrene	104	11.769	11.762	0.007	95	286138	10.0	10.0	
137 Bromoform	173	11.927	11.927	0.000	97	77033	10.0	9.76	
138 Isopropylbenzene	105	12.048	12.048	0.000	96	484031	10.0	10.3	
140 Cyclohexanone	55	12.120	12.127	-0.007	93	235927	250.0	241.1	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	90	463445	50.0	50.1	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	94	187820	10.0	10.0	
143 Bromobenzene	156	12.313	12.313	0.000	93	120946	10.0	10.1	
144 trans-1,4-Dichloro-2-butene	53	12.313	12.313	0.000	77	133872	25.0	24.8	
145 1,2,3-Trichloropropane	110	12.334	12.334	0.000	84	57895	10.0	10.4	
146 N-Propylbenzene	91	12.384	12.384	0.000	99	564810	10.0	10.3	
147 2-Chlorotoluene	126	12.456	12.456	0.000	96	117839	10.0	9.91	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	93	428046	10.0	10.1	
149 4-Chlorotoluene	126	12.549	12.549	0.000	98	118566	10.0	10.3	
151 tert-Butylbenzene	134	12.763	12.763	0.000	93	76157	10.0	9.33	
153 1,2,4-Trimethylbenzene	105	12.806	12.806	0.000	97	445353	10.0	10.2	
154 sec-Butylbenzene	105	12.928	12.928	0.000	94	529455	10.0	10.1	
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	98	248773	10.0	10.3	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	97	464767	10.0	9.96	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	572860	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.099	13.099	0.000	94	242029	10.0	10.1	
159 1,2,3-Trimethylbenzene	105	13.106	13.106	0.000	98	479507	10.0	10.1	
160 Benzyl chloride	91	13.171	13.171	0.000	99	349349	10.0	9.96	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	95	292295	10.0	9.91	
162 p-Diethylbenzene	119	13.307	13.307	0.000	94	306163	10.0	9.98	
163 n-Butylbenzene	92	13.328	13.328	0.000	97	242525	10.0	9.91	
164 1,2-Dichlorobenzene	146	13.364	13.357	0.007	98	270957	10.0	10.3	
165 o-diethylbenzene	119	13.378	13.378	0.000	95	246115	10.0	9.73	
167 1,2-Dibromo-3-Chloropropane	75	13.907	13.900	0.007	86	59726	10.0	9.88	
168 1,3,5-Trichlorobenzene	180	14.036	14.036	0.000	98	211763	10.0	9.80	
169 1,2,4-Trichlorobenzene	180	14.458	14.458	0.000	94	205722	10.0	9.69	
170 Hexachlorobutadiene	225	14.544	14.544	0.000	97	83268	10.0	9.31	
171 Naphthalene	128	14.644	14.636	0.008	97	738308	10.0	9.81	
172 1,2,3-Trichlorobenzene	180	14.787	14.779	0.008	96	208099	10.0	9.61	
173 2-Methylnaphthalene	142	15.423	15.416	0.007	92	396750	10.0	9.37	M
S 184 Total Diethylbenzene	1				0			29.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00111	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00005	Amount Added:	8.00	Units: uL	
MSV_CCV_VOC#3_00112	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00107	Amount Added:	2.00	Units: uL	
MSV_CCV_EE_00004	Amount Added:	2.00	Units: uL	
MSV_CCV_GASES_00394	Amount Added:	1.00	Units: uL	
MSV_HP20_ISSS_00096	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Feb-2023 20:40:09 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I13.D

Injection Date: 20-Feb-2023 17:04:30 Instrument ID: 9355 Operator ID: kas02648

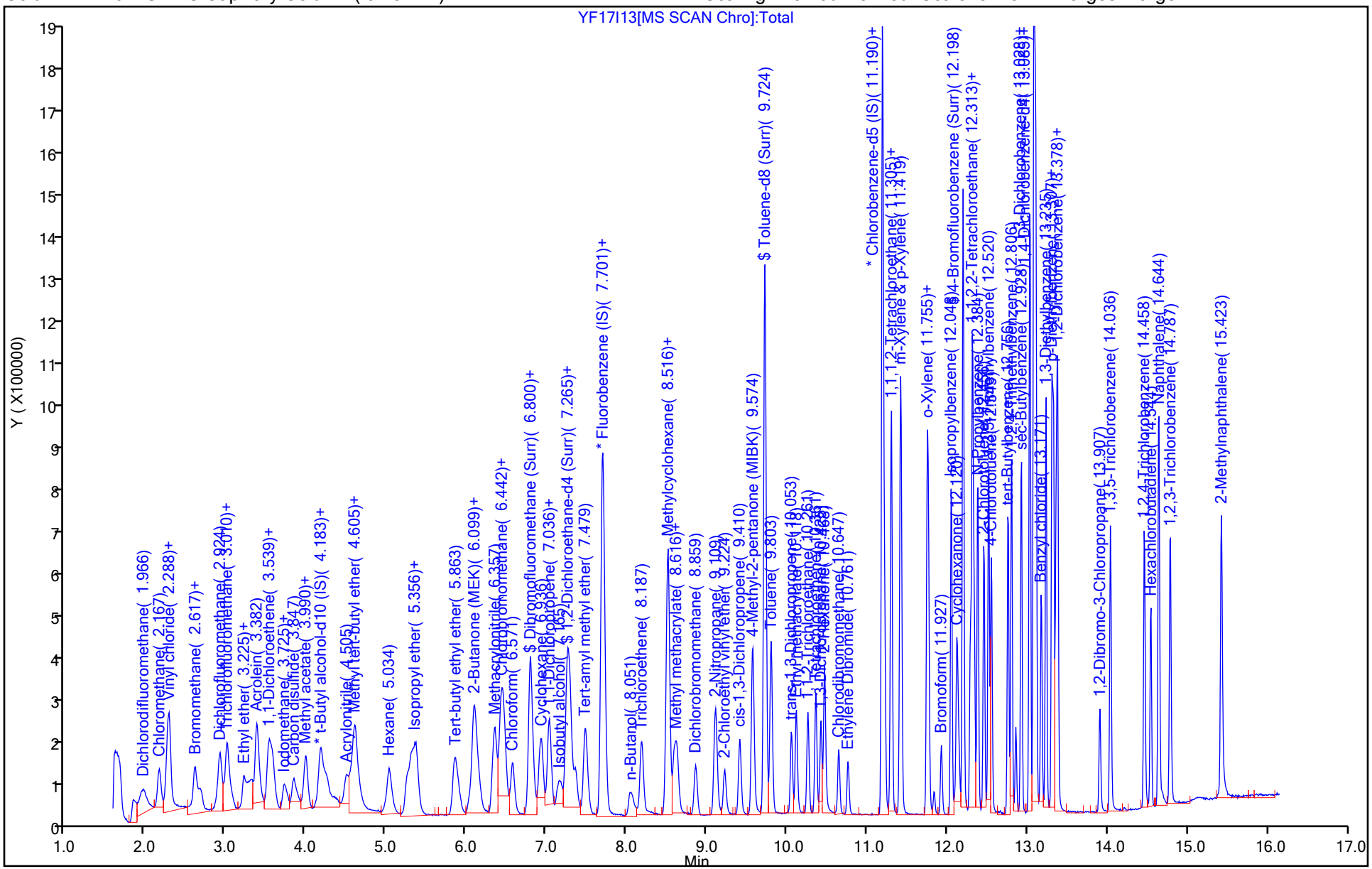
Lims ID: IC v10 Worklist Smp#: 14

Client ID:

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

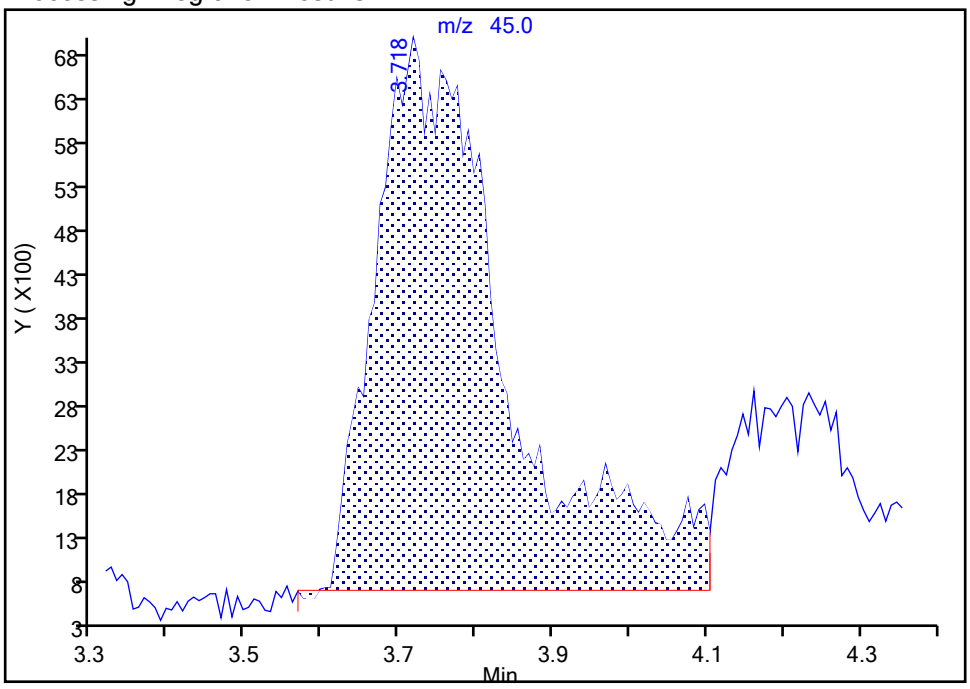
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I13.D				
Injection Date:	20-Feb-2023 17:04:30	Instrument ID:	9355		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	4	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

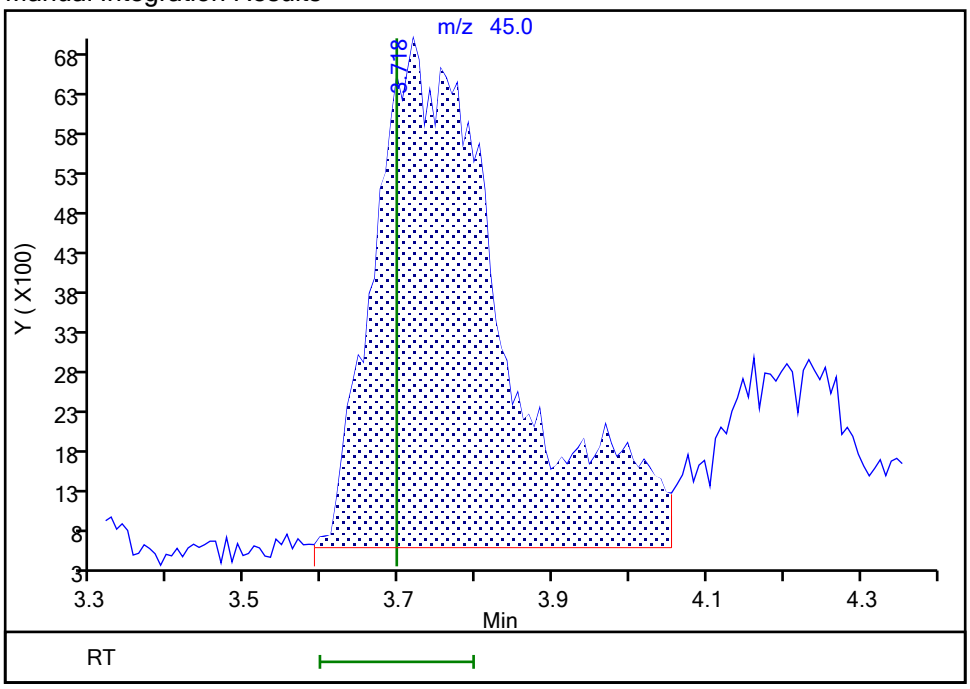
Processing Integration Results

RT: 3.72
Area: 74090
Amount: 42.166485
Amount Units: ug/l



Manual Integration Results

RT: 3.72
Area: 75133
Amount: 39.772439
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:28:45
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

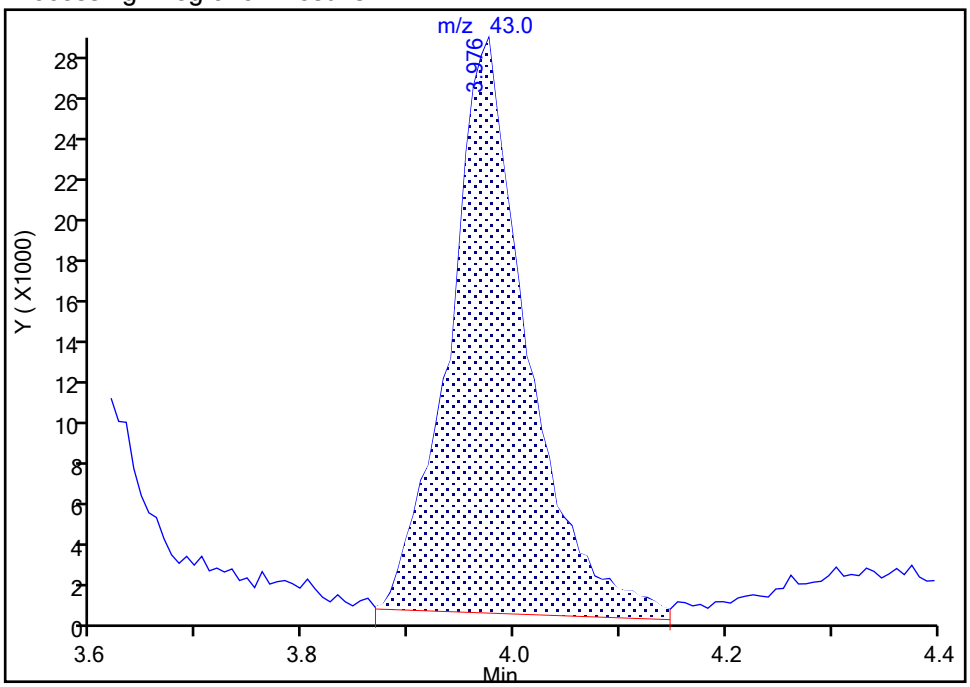
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I13.D
Injection Date: 20-Feb-2023 17:04:30 Instrument ID: 9355
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 4 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

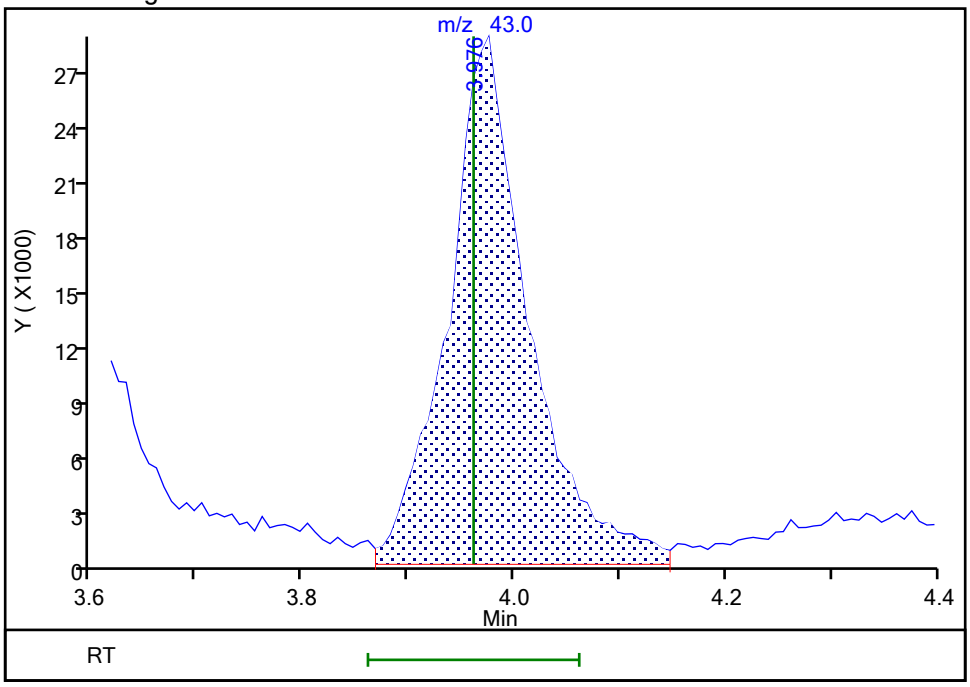
Processing Integration Results

RT: 3.98
Area: 138546
Amount: 9.425715
Amount Units: ug/l



Manual Integration Results

RT: 3.98
Area: 145582
Amount: 9.837127
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:28:56
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

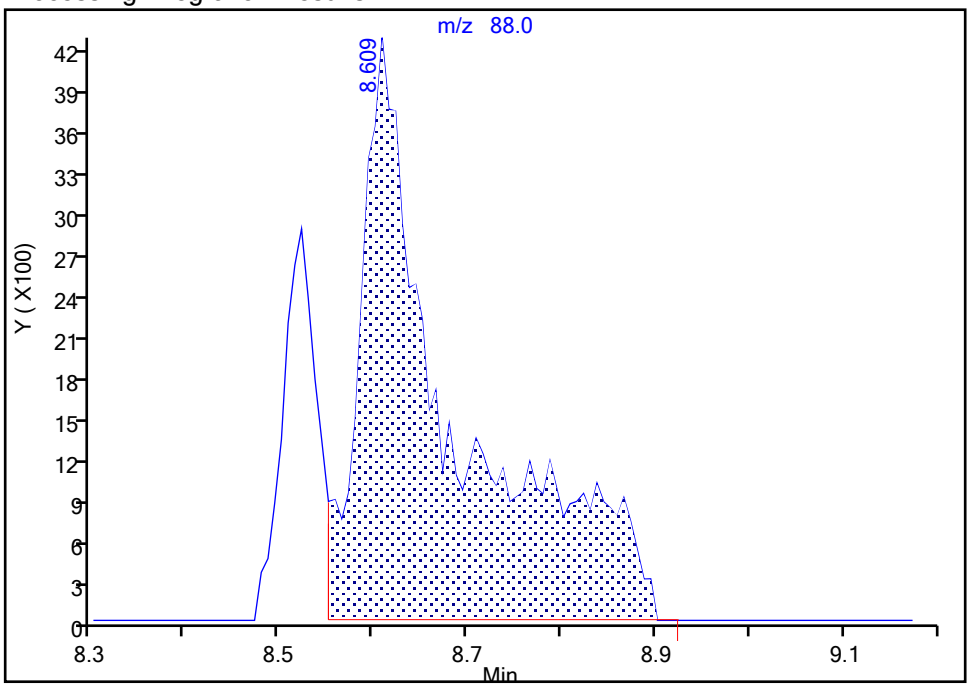
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I13.D				
Injection Date:	20-Feb-2023 17:04:30	Instrument ID:	9355		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	4	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

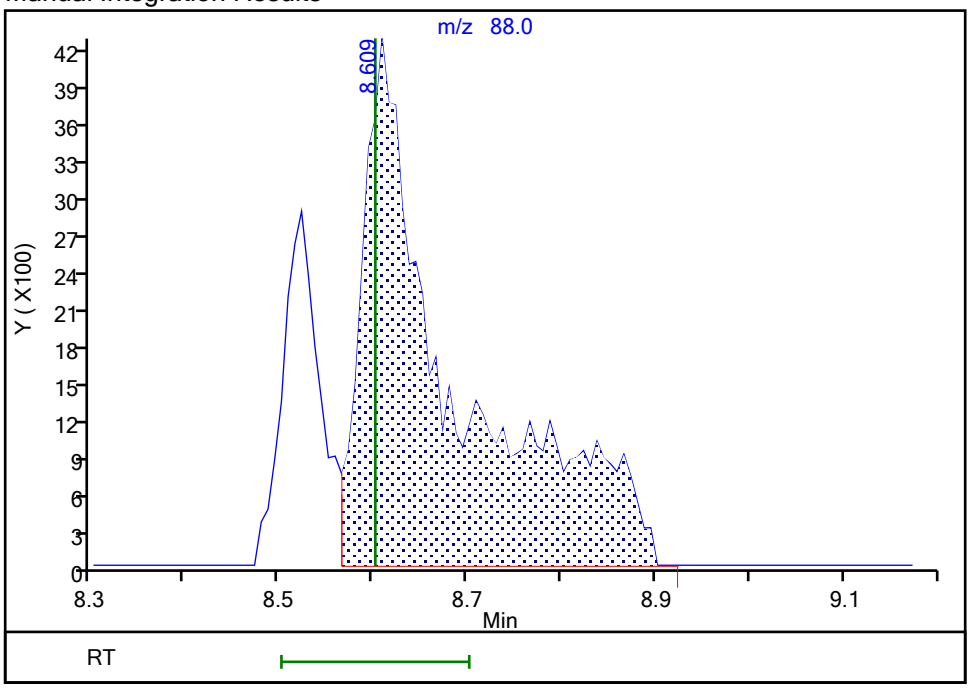
Processing Integration Results

RT: 8.61
Area: 29424
Amount: 117.3330
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 28674
Amount: 114.7660
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:29:13
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

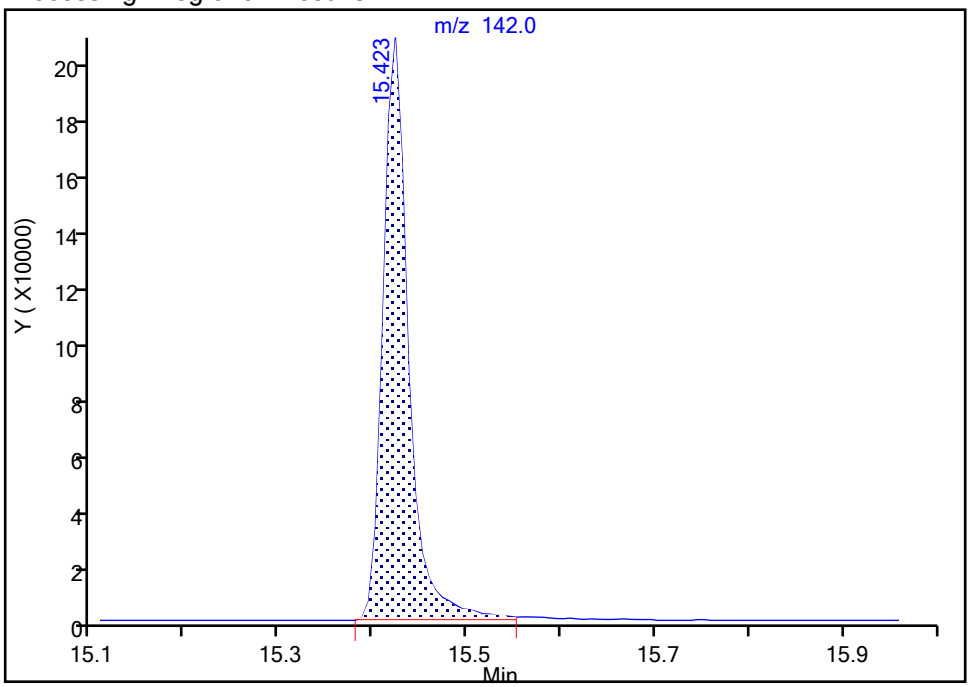
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I13.D
Injection Date: 20-Feb-2023 17:04:30 Instrument ID: 9355
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 4 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

173 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

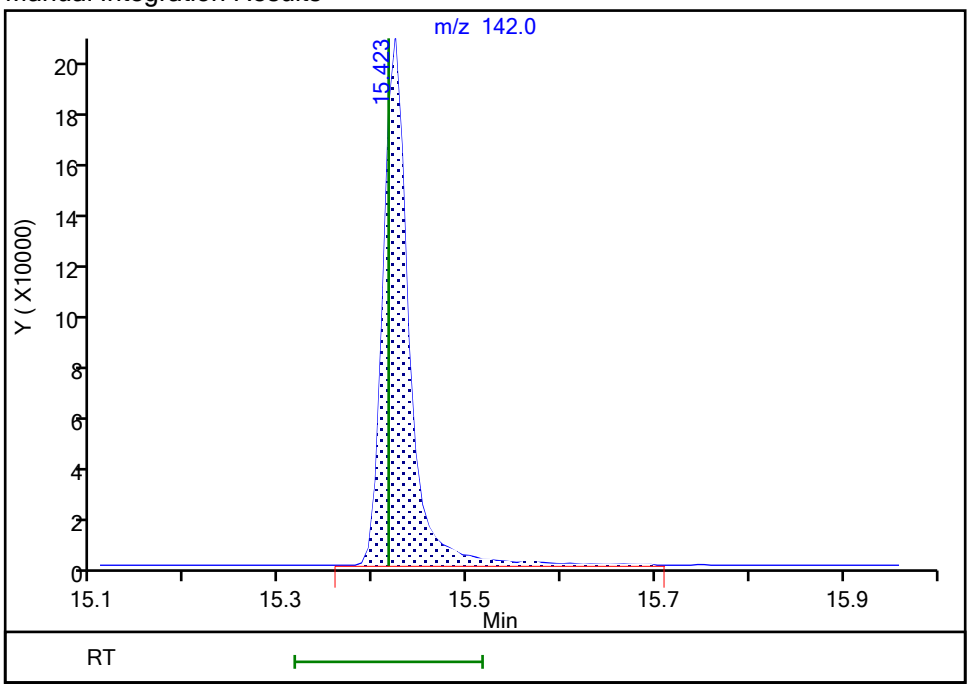
Processing Integration Results

RT: 15.42
Area: 391444
Amount: 9.262574
Amount Units: ug/l



Manual Integration Results

RT: 15.42
Area: 396750
Amount: 9.371319
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:30:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I14.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Feb-2023 17:26:30 ALS Bottle#: 5 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0077389-015
Misc. Info.: IC 20
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 20-Feb-2023 20:40:13 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1671

First Level Reviewer: K4WN Date: 20-Feb-2023 19:31:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.966	1.966	0.000	99	323863	20.0	19.6	M
4 Chloromethane	50	2.167	2.167	0.000	99	340803	20.0	19.1	
5 Vinyl chloride	62	2.274	2.274	0.000	98	321432	20.0	19.1	
6 Butadiene	39	2.288	2.288	0.000	94	283708	20.0	18.8	
8 Bromomethane	94	2.610	2.610	0.000	91	211622	20.0	19.3	
9 Chloroethane	64	2.682	2.682	0.000	100	165037	20.0	19.4	
10 Dichlorofluoromethane	67	2.925	2.925	0.000	97	413091	20.0	18.9	
11 Trichlorofluoromethane	101	3.003	3.003	0.000	67	382236	20.0	19.5	
12 Pentane	43	3.010	3.010	0.000	96	307616	20.0	18.5	
14 Ethyl ether	59	3.218	3.218	0.000	93	158462	20.0	20.4	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.311	3.311	0.000	92	219024	20.0	18.8	
16 Acrolein	56	3.382	3.382	0.000	99	827107	200.0	183.2	
17 1,1-Dichloroethene	96	3.525	3.525	0.000	98	162213	20.0	19.8	
18 Acetone	58	3.554	3.554	0.000	100	89264	40.0	37.1	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.568	3.568	0.000	92	208319	20.0	19.9	
20 Isopropyl alcohol	45	3.711	3.711	0.000	96	233993	100.0	104.6	M
21 Iodomethane	142	3.733	3.733	0.000	98	336278	20.0	20.1	
22 Carbon disulfide	76	3.840	3.840	0.000	99	611701	20.0	20.0	
24 Methyl acetate	43	3.969	3.969	0.000	97	276311	20.0	17.9	
25 3-Chloro-1-propene	41	3.997	3.997	0.000	90	273285	20.0	19.2	
26 Methylene Chloride	84	4.183	4.183	0.000	92	194075	20.0	19.8	
* 27 t-Butyl alcohol-d10 (IS)	65	4.283	4.283	0.000	73	687017	250.0	250.0	
28 2-Methyl-2-propanol	59	4.405	4.405	0.000	99	433700	100.0	105.3	M
29 Acrylonitrile	53	4.505	4.505	0.000	100	367857	50.0	49.6	
30 Methyl tert-butyl ether	73	4.591	4.591	0.000	96	647822	20.0	19.9	
32 trans-1,2-Dichloroethene	96	4.605	4.605	0.000	98	176587	20.0	20.2	
33 Hexane	57	5.034	5.034	0.000	94	258161	20.0	19.9	
34 1,1-Dichloroethane	63	5.256	5.256	0.000	96	319522	20.0	20.0	
36 Isopropyl ether	45	5.320	5.320	0.000	93	596780	20.0	19.8	
37 2-Chloro-1,3-butadiene	53	5.370	5.370	0.000	91	278073	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
39 Tert-butyl ethyl ether	59	5.856	5.856	0.000	98	600139	20.0	19.6	
40 2-Butanone (MEK)	43	6.064	6.064	0.000	100	412463	40.0	36.7	
41 cis-1,2-Dichloroethene	96	6.092	6.092	0.000	82	198251	20.0	20.4	
42 2,2-Dichloropropane	77	6.114	6.114	0.000	89	304572	20.0	19.9	
43 Propionitrile	54	6.142	6.142	0.000	99	356470	100.0	95.6	
S 45 1,2-Dichloroethene, Total	100				0			40.5	
47 Methacrylonitrile	67	6.357	6.357	0.000	92	336166	50.0	48.9	
48 Chlorobromomethane	128	6.428	6.428	0.000	94	104877	20.0	20.3	
49 Tetrahydrofuran	71	6.464	6.464	0.000	92	295296	100.0	86.2	
50 Chloroform	83	6.571	6.571	0.000	94	324766	20.0	20.1	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.793	0.000	95	313959	50.0	50.8	
52 1,1,1-Trichloroethane	97	6.814	6.814	0.000	98	303666	20.0	19.8	
53 Cyclohexane	56	6.929	6.929	0.000	92	358317	20.0	19.6	
54 1,1-Dichloropropene	75	7.029	7.029	0.000	98	237709	20.0	20.1	
55 Carbon tetrachloride	117	7.043	7.043	0.000	97	253695	20.0	19.9	
56 Isobutyl alcohol	41	7.179	7.179	0.000	94	335464	250.0	253.2	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.258	7.258	0.000	82	76548	50.0	50.2	
58 Benzene	78	7.293	7.293	0.000	98	742611	20.0	20.1	
59 1,2-Dichloroethane	62	7.365	7.365	0.000	97	266660	20.0	19.9	
61 Tert-amyl methyl ether	73	7.479	7.479	0.000	98	589682	20.0	19.8	
* 62 Fluorobenzene (IS)	96	7.701	7.701	0.000	97	1241979	50.0	50.0	
63 n-Heptane	43	7.722	7.722	0.000	86	289173	20.0	19.4	
65 n-Butanol	56	8.066	8.066	0.000	91	279413	250.0	259.5	
66 Trichloroethene	95	8.187	8.187	0.000	98	190841	20.0	20.1	
67 Methylcyclohexane	83	8.502	8.502	0.000	91	362143	20.0	19.9	
68 1,2-Dichloropropane	63	8.516	8.516	0.000	70	198589	20.0	19.7	
69 2-ethoxy-2-methyl butane	87	8.523	8.523	0.000	92	271575	20.0	19.9	
70 Methyl methacrylate	69	8.595	8.595	0.000	90	196170	20.0	19.7	
71 1,4-Dioxane	88	8.609	8.609	0.000	36	88710	250.0	299.7	M
72 Dibromomethane	93	8.631	8.631	0.000	96	132122	20.0	19.8	
74 Dichlorobromomethane	83	8.859	8.859	0.000	99	240217	20.0	19.7	
75 2-Nitropropane	41	9.110	9.110	0.000	99	534888	100.0	94.2	
76 2-Chloroethyl vinyl ether	63	9.224	9.224	0.000	92	147980	20.0	19.9	
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	95	295200	20.0	19.7	
78 4-Methyl-2-pentanone (MIBK)	43	9.574	9.574	0.000	97	792075	40.0	39.0	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1218611	50.0	50.1	
80 Toluene	92	9.803	9.803	0.000	98	463715	20.0	20.0	
117 trans-1,3-Dichloropropene	75	10.053	10.053	0.000	94	277682	20.0	19.8	
S 118 1,3-Dichloropropene, Total	100				0			39.5	
119 Ethyl methacrylate	69	10.118	10.118	0.000	90	326520	20.0	20.2	
120 1,1,2-Trichloroethane	97	10.261	10.261	0.000	91	186087	20.0	19.8	
121 Tetrachloroethene	166	10.361	10.361	0.000	98	211288	20.0	20.4	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	91	295789	20.0	20.1	
124 2-Hexanone	43	10.468	10.468	0.000	98	560751	40.0	38.8	
126 Chlorodibromomethane	129	10.647	10.647	0.000	90	195142	20.0	19.9	
127 Ethylene Dibromide	107	10.761	10.761	0.000	98	199799	20.0	20.2	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	951832	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	98	260101	20.0	19.5	
130 Chlorobenzene	112	11.219	11.219	0.000	94	535297	20.0	20.1	
S 131 Xylenes, Total	106				0			61.3	
132 1,1,1,2-Tetrachloroethane	131	11.298	11.298	0.000	94	210531	20.0	20.4	
133 Ethylbenzene	91	11.305	11.305	0.000	98	952878	20.0	20.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
134 m-Xylene & p-Xylene	106	11.419	11.419	0.000	1	734618	40.0	40.8	
135 o-Xylene	106	11.748	11.748	0.000	97	387844	20.0	20.5	
136 Styrene	104	11.762	11.762	0.000	94	617865	20.0	20.6	
137 Bromoform	173	11.927	11.927	0.000	97	168630	20.0	20.3	
138 Isopropylbenzene	105	12.048	12.048	0.000	96	1033672	20.0	20.9	
140 Cyclohexanone	55	12.127	12.127	0.000	93	650068	500.0	560.9	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	91	487330	50.0	50.1	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	94	405970	20.0	20.6	
143 Bromobenzene	156	12.313	12.313	0.000	93	255515	20.0	20.4	
144 trans-1,4-Dichloro-2-butene	53	12.313	12.313	0.000	81	293599	50.0	51.6	
145 1,2,3-Trichloropropane	110	12.341	12.341	0.000	85	119435	20.0	20.4	
146 N-Propylbenzene	91	12.384	12.384	0.000	99	1240013	20.0	21.5	
147 2-Chlorotoluene	126	12.456	12.456	0.000	97	255089	20.0	20.4	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	94	927468	20.0	20.9	
149 4-Chlorotoluene	126	12.549	12.549	0.000	98	244099	20.0	20.1	
151 tert-Butylbenzene	134	12.763	12.763	0.000	93	175165	20.0	20.4	
153 1,2,4-Trimethylbenzene	105	12.806	12.806	0.000	98	984458	20.0	21.4	
154 sec-Butylbenzene	105	12.928	12.928	0.000	94	1203954	20.0	21.7	
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	97	529176	20.0	20.8	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	97	1053203	20.0	21.5	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	94	602581	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.099	13.099	0.000	95	515450	20.0	20.5	
159 1,2,3-Trimethylbenzene	105	13.107	13.107	0.000	98	1051371	20.0	21.1	
160 Benzyl chloride	91	13.171	13.171	0.000	99	786468	20.0	21.3	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	95	648375	20.0	20.9	
162 p-Diethylbenzene	119	13.307	13.307	0.000	96	683367	20.0	21.2	
163 n-Butylbenzene	92	13.328	13.328	0.000	97	546726	20.0	21.2	
164 1,2-Dichlorobenzene	146	13.357	13.357	0.000	98	581602	20.0	21.0	
165 o-diethylbenzene	119	13.378	13.378	0.000	96	543687	20.0	20.4	
167 1,2-Dibromo-3-Chloropropane	75	13.907	13.907	0.000	86	127674	20.0	20.1	
168 1,3,5-Trichlorobenzene	180	14.036	14.036	0.000	98	478364	20.0	21.0	
169 1,2,4-Trichlorobenzene	180	14.458	14.458	0.000	94	472169	20.0	21.2	
170 Hexachlorobutadiene	225	14.544	14.544	0.000	97	192004	20.0	20.4	
171 Naphthalene	128	14.644	14.644	0.000	97	1696318	20.0	21.4	
172 1,2,3-Trichlorobenzene	180	14.787	14.787	0.000	96	478498	20.0	21.0	
173 2-Methylnaphthalene	142	15.423	15.423	0.000	92	975381	20.0	21.9	
S 184 Total Diethylbenzene	1				0			62.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00111	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00005	Amount Added:	16.00	Units: uL	
MSV_CCV_VOC#3_00112	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00107	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00004	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00394	Amount Added:	2.00	Units: uL	
MSV_HP20_ISSS_00096	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Feb-2023 20:40:14 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I14.D

Injection Date: 20-Feb-2023 17:26:30 Instrument ID: 9355 Operator ID: kas02648

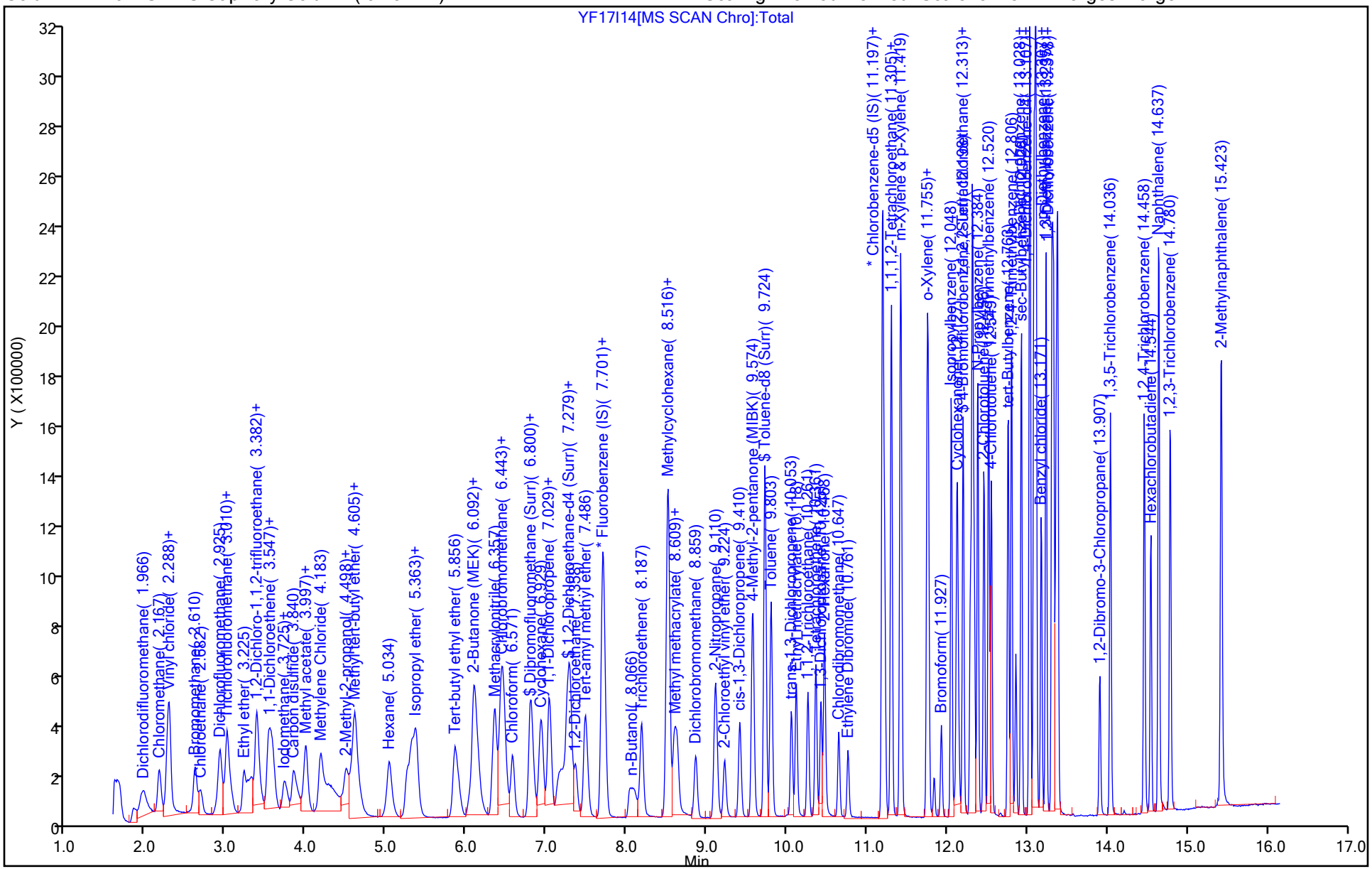
Lims ID: IC v20 Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

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

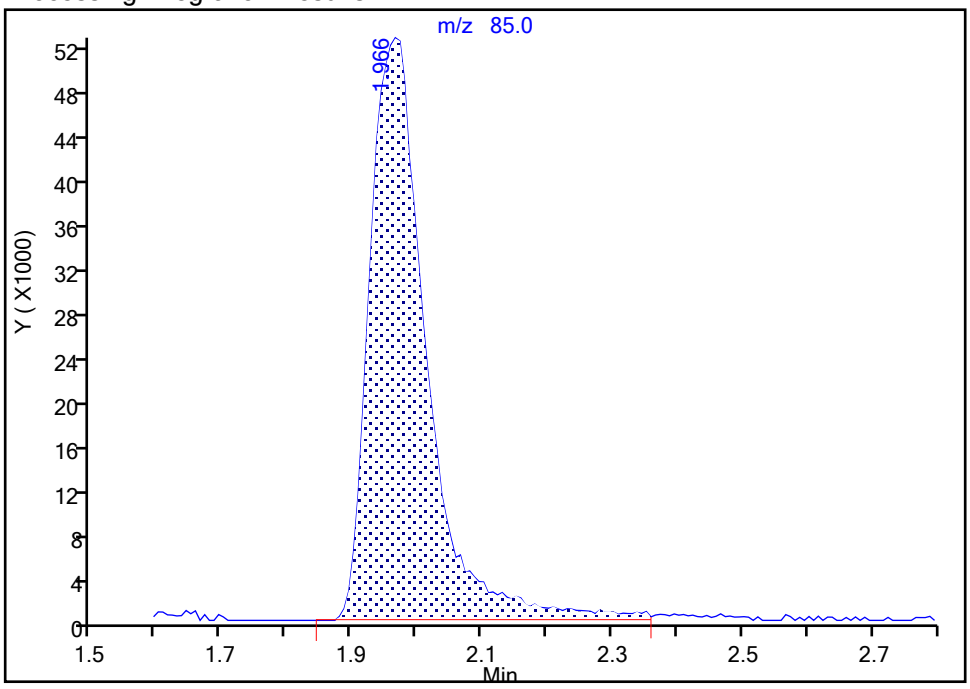
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I14.D				
Injection Date:	20-Feb-2023 17:26:30	Instrument ID:	9355		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	5	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

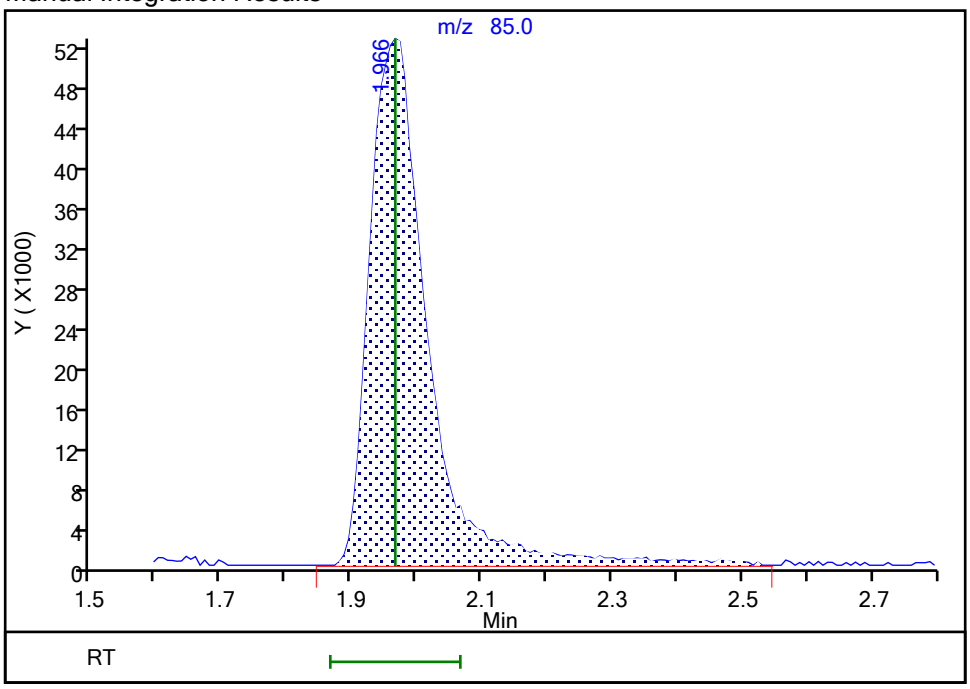
Processing Integration Results

RT: 1.97
Area: 320007
Amount: 19.367432
Amount Units: ug/l



Manual Integration Results

RT: 1.97
Area: 323863
Amount: 19.550071
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:30:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

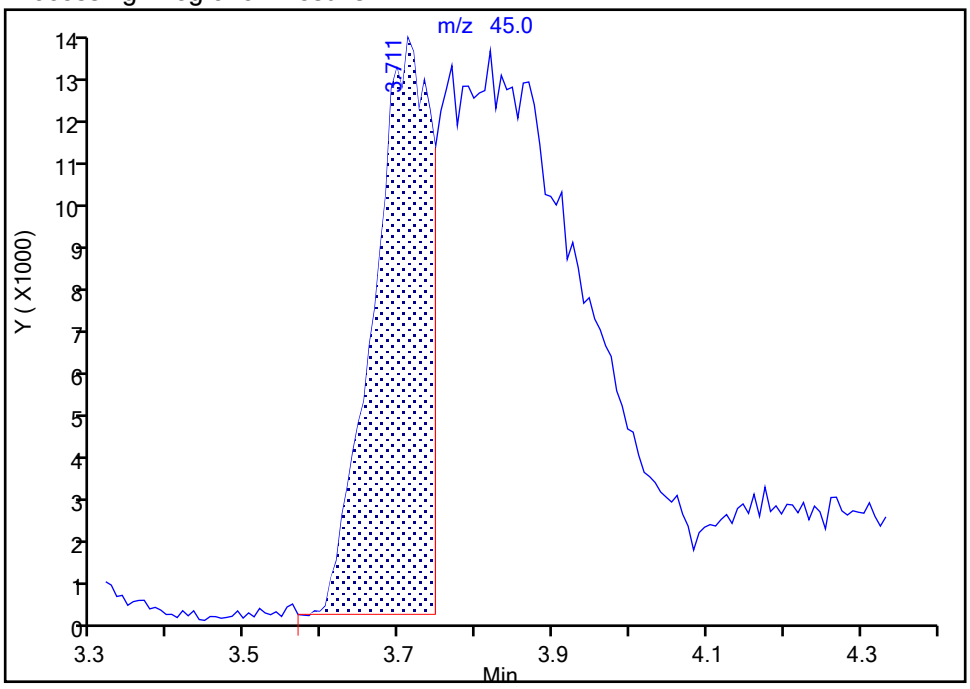
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I14.D				
Injection Date:	20-Feb-2023 17:26:30	Instrument ID:	9355		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	5	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

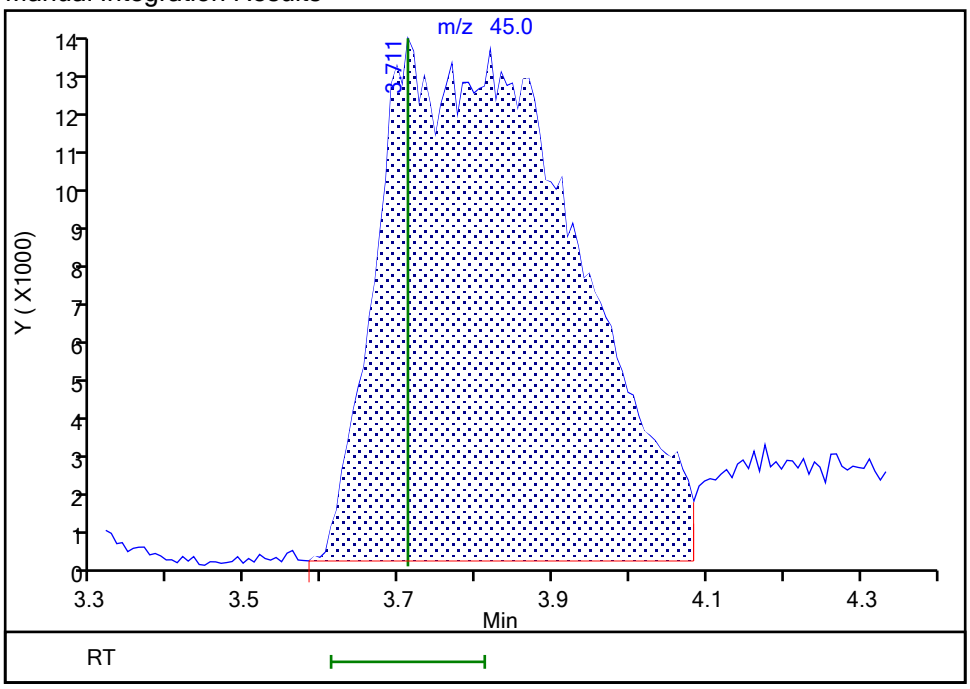
Processing Integration Results

RT: 3.71
Area: 69421
Amount: 33.294315
Amount Units: ug/l



Manual Integration Results

RT: 3.71
Area: 233993
Amount: 104.5591
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:30:38
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

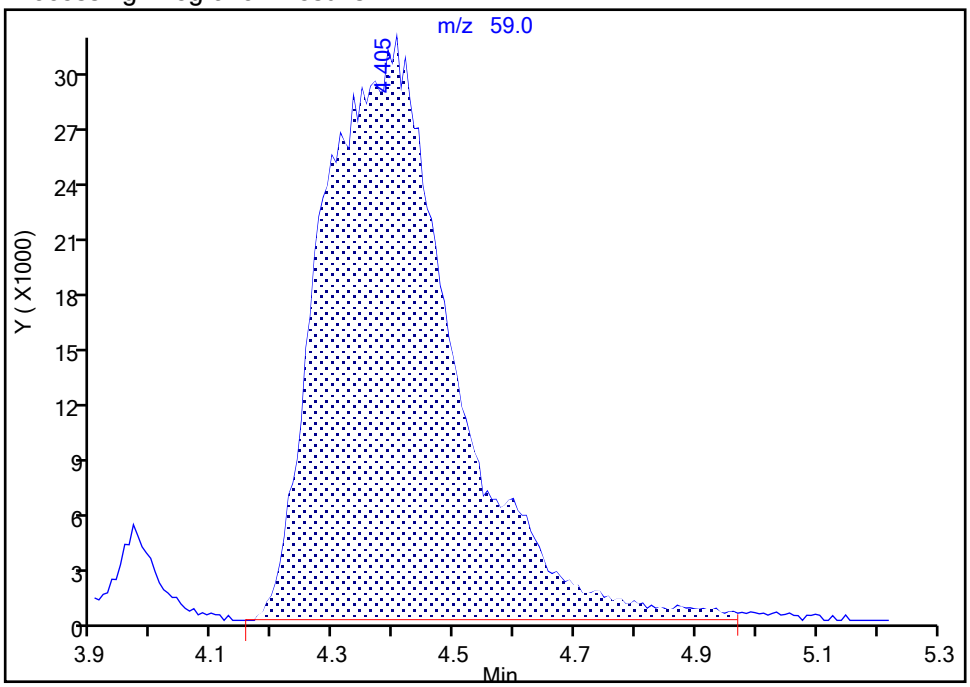
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I14.D				
Injection Date:	20-Feb-2023 17:26:30	Instrument ID:	9355		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	5	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	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

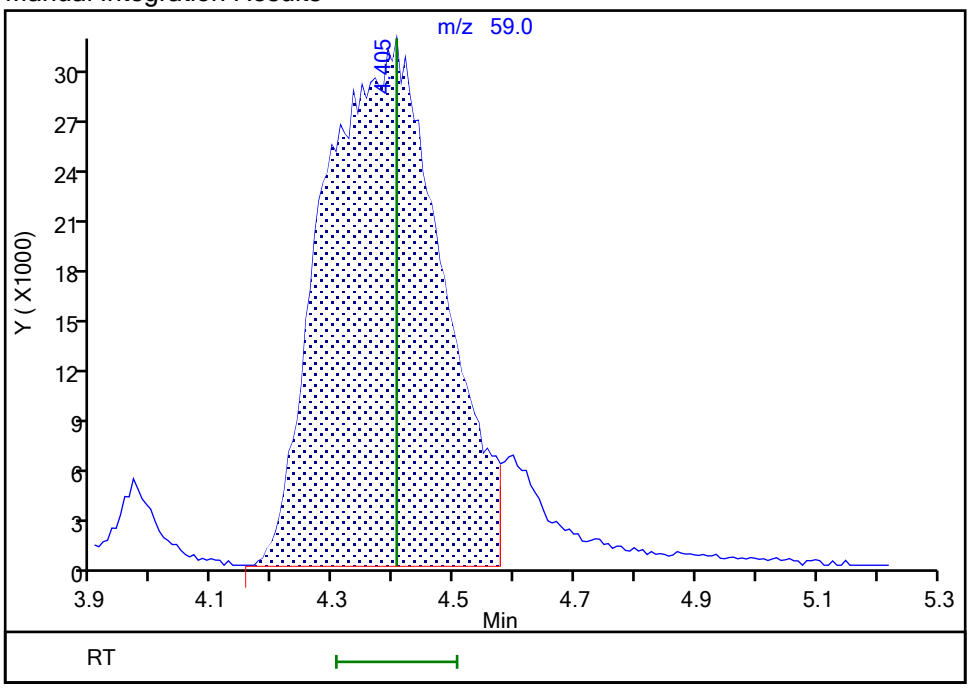
Processing Integration Results

RT: 4.40
Area: 478003
Amount: 102.7795
Amount Units: ug/l



Manual Integration Results

RT: 4.40
Area: 433700
Amount: 105.2785
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:30:49
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

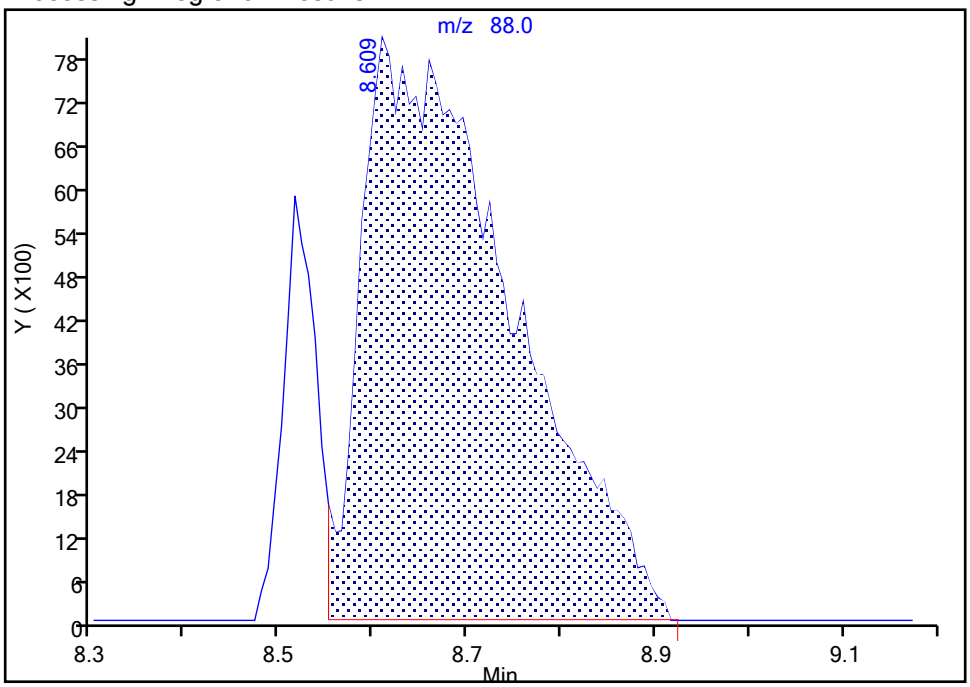
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I14.D				
Injection Date:	20-Feb-2023 17:26:30	Instrument ID:	9355		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	5	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

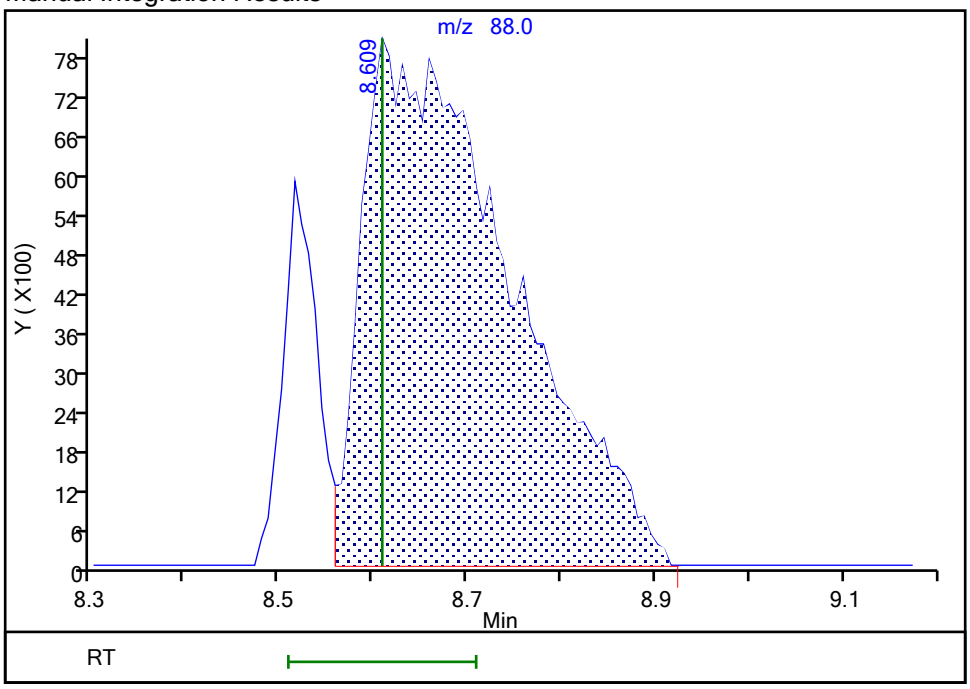
Processing Integration Results

RT: 8.61
Area: 89397
Amount: 301.9506
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 88710
Amount: 299.7125
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:31:03
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\20230220-77389.b\YF17I15.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 20-Feb-2023 17:48:30 ALS Bottle#: 6 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0077389-016
Misc. Info.: IC 50
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 20-Feb-2023 20:40:18 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1671

First Level Reviewer: K4WN Date: 20-Feb-2023 19:32:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.966	1.966	0.000	100	877991	50.0	53.1	M
4 Chloromethane	50	2.166	2.166	0.000	99	891105	50.0	50.2	
5 Vinyl chloride	62	2.274	2.274	0.000	98	848233	50.0	50.6	
6 Butadiene	39	2.288	2.288	0.000	93	761939	50.0	50.7	
8 Bromomethane	94	2.610	2.610	0.000	91	559519	50.0	51.2	
9 Chloroethane	64	2.674	2.674	0.000	100	432519	50.0	50.9	
10 Dichlorofluoromethane	67	2.924	2.924	0.000	97	1080142	50.0	49.4	
11 Trichlorofluoromethane	101	2.996	2.996	0.000	97	1028459	50.0	52.7	
12 Pentane	43	3.010	3.010	0.000	96	752246	50.0	45.3	
14 Ethyl ether	59	3.218	3.218	0.000	93	402617	50.0	51.9	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.289	3.289	0.000	92	574525	50.0	49.4	
16 Acrolein	56	3.382	3.382	0.000	99	2182752	500.0	479.1	
17 1,1-Dichloroethene	96	3.525	3.525	0.000	98	397728	50.0	48.8	
18 Acetone	58	3.546	3.546	0.000	99	222240	100.0	91.4	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.575	3.575	0.000	92	514373	50.0	49.2	
20 Isopropyl alcohol	45	3.697	3.697	0.000	97	670577	250.0	296.9	
21 Iodomethane	142	3.725	3.725	0.000	98	816141	50.0	48.8	
22 Carbon disulfide	76	3.840	3.840	0.000	99	1498463	50.0	49.0	
24 Methyl acetate	43	3.961	3.961	0.000	98	688651	50.0	44.7	
25 3-Chloro-1-propene	41	3.997	3.997	0.000	91	665633	50.0	46.9	
26 Methylene Chloride	84	4.183	4.183	0.000	92	475904	50.0	48.7	
* 27 t-Butyl alcohol-d10 (IS)	65	4.269	4.269	0.000	75	693297	250.0	250.0	
28 2-Methyl-2-propanol	59	4.397	4.397	0.000	99	1082935	250.0	260.5	M
29 Acrylonitrile	53	4.497	4.497	0.000	98	916737	125.0	123.8	
30 Methyl tert-butyl ether	73	4.590	4.590	0.000	96	1605918	50.0	49.5	
32 trans-1,2-Dichloroethene	96	4.605	4.605	0.000	99	427812	50.0	49.0	
33 Hexane	57	5.034	5.034	0.000	94	642513	50.0	49.6	
34 1,1-Dichloroethane	63	5.255	5.255	0.000	96	776176	50.0	48.8	
36 Isopropyl ether	45	5.320	5.320	0.000	93	1485752	50.0	49.4	
37 2-Chloro-1,3-butadiene	53	5.370	5.370	0.000	92	689879	50.0	50.2	

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	5.856	5.856	0.000	98	1511155	50.0	49.6	
40 2-Butanone (MEK)	43	6.056	6.056	0.000	100	1064251	100.0	95.0	
41 cis-1,2-Dichloroethene	96	6.085	6.085	0.000	83	483320	50.0	49.8	
42 2,2-Dichloropropane	77	6.113	6.113	0.000	89	749330	50.0	49.1	
43 Propionitrile	54	6.135	6.135	0.000	99	909680	250.0	241.8	
47 Methacrylonitrile	67	6.349	6.349	0.000	92	859475	125.0	125.3	
48 Chlorobromomethane	128	6.428	6.428	0.000	95	255195	50.0	49.5	
49 Tetrahydrofuran	71	6.457	6.457	0.000	92	740633	250.0	214.4	
50 Chloroform	83	6.571	6.571	0.000	94	783399	50.0	48.7	
$ 51 Dibromofluoromethane (Surr)	113	6.800	6.800	0.000	94	307928	50.0	49.9	
52 1,1,1-Trichloroethane	97	6.821	6.821	0.000	98	747818	50.0	48.9	
53 Cyclohexane	56	6.929	6.929	0.000	92	890158	50.0	48.9	
54 1,1-Dichloropropene	75	7.029	7.029	0.000	97	579933	50.0	49.2	
55 Carbon tetrachloride	117	7.036	7.036	0.000	97	631346	50.0	49.5	
56 Isobutyl alcohol	41	7.172	7.172	0.000	95	854738	625.0	639.2	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.250	7.250	0.000	80	76029	50.0	50.0	
58 Benzene	78	7.293	7.293	0.000	97	1804262	50.0	49.0	
59 1,2-Dichloroethane	62	7.365	7.365	0.000	98	661231	50.0	49.4	
61 Tert-amyl methyl ether	73	7.486	7.486	0.000	98	1490476	50.0	50.3	
* 62 Fluorobenzene (IS)	96	7.701	7.701	0.000	99	1238950	50.0	50.0	
63 n-Heptane	43	7.715	7.715	0.000	93	700314	50.0	47.0	
65 n-Butanol	56	8.044	8.044	0.000	90	728786	625.0	670.7	
66 Trichloroethene	95	8.187	8.187	0.000	99	465874	50.0	49.1	
67 Methylcyclohexane	83	8.509	8.509	0.000	92	912084	50.0	50.3	
68 1,2-Dichloropropane	63	8.516	8.516	0.000	70	497023	50.0	49.3	
69 2-ethoxy-2-methyl butane	87	8.523	8.523	0.000	91	689738	50.0	50.6	
70 Methyl methacrylate	69	8.595	8.595	0.000	90	510447	50.0	51.4	
71 1,4-Dioxane	88	8.602	8.602	0.000	85	223053	625.0	746.8	M
72 Dibromomethane	93	8.630	8.630	0.000	95	331332	50.0	49.9	
74 Dichlorobromomethane	83	8.859	8.859	0.000	99	607469	50.0	50.0	
75 2-Nitropropane	41	9.109	9.109	0.000	99	1384874	250.0	241.6	
76 2-Chloroethyl vinyl ether	63	9.217	9.217	0.000	92	381719	50.0	51.4	
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	95	755743	50.0	50.5	
78 4-Methyl-2-pentanone (MIBK)	43	9.574	9.574	0.000	97	2092274	100.0	103.3	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1226509	50.0	49.6	
80 Toluene	92	9.803	9.803	0.000	98	1151933	50.0	49.0	
117 trans-1,3-Dichloropropene	75	10.053	10.053	0.000	93	722659	50.0	50.8	
119 Ethyl methacrylate	69	10.118	10.118	0.000	90	850053	50.0	51.8	
120 1,1,2-Trichloroethane	97	10.261	10.261	0.000	91	470149	50.0	49.3	
121 Tetrachloroethene	166	10.361	10.361	0.000	98	515514	50.0	49.0	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	92	746594	50.0	49.8	
124 2-Hexanone	43	10.468	10.468	0.000	98	1490204	100.0	101.4	
126 Chlorodibromomethane	129	10.647	10.647	0.000	90	514330	50.0	51.6	
127 Ethylene Dibromide	107	10.761	10.761	0.000	99	509798	50.0	50.7	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	85	967708	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	99	645158	50.0	47.7	
130 Chlorobenzene	112	11.219	11.219	0.000	94	1335553	50.0	49.3	
132 1,1,1,2-Tetrachloroethane	131	11.297	11.297	0.000	95	533404	50.0	50.8	
133 Ethylbenzene	91	11.304	11.304	0.000	98	2370448	50.0	50.1	
134 m-Xylene & p-Xylene	106	11.419	11.419	0.000	1	1847023	100.0	100.9	
135 o-Xylene	106	11.748	11.748	0.000	96	975831	50.0	50.8	
136 Styrene	104	11.762	11.762	0.000	94	1558017	50.0	51.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 Bromoform	173	11.927	11.927	0.000	97	456504	50.0	54.1	
138 Isopropylbenzene	105	12.048	12.048	0.000	96	2592755	50.0	51.6	
140 Cyclohexanone	55	12.127	12.127	0.000	93	799464	625.0	683.5	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	91	490780	50.0	49.6	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	94	1026645	50.0	51.7	
143 Bromobenzene	156	12.313	12.313	0.000	91	635208	50.0	50.3	
144 trans-1,4-Dichloro-2-butene	53	12.313	12.313	0.000	81	755861	125.0	131.9	
145 1,2,3-Trichloropropane	110	12.334	12.334	0.000	83	296180	50.0	50.2	
146 N-Propylbenzene	91	12.384	12.384	0.000	99	3038444	50.0	52.4	
147 2-Chlorotoluene	126	12.456	12.456	0.000	96	630187	50.0	50.0	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	94	2361249	50.0	52.7	
149 4-Chlorotoluene	126	12.549	12.549	0.000	98	617639	50.0	50.5	
151 tert-Butylbenzene	134	12.763	12.763	0.000	93	450394	50.0	52.1	
153 1,2,4-Trimethylbenzene	105	12.806	12.806	0.000	98	2456584	50.0	52.9	
154 sec-Butylbenzene	105	12.928	12.928	0.000	94	2994816	50.0	53.7	
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	98	1304290	50.0	50.9	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	97	2662474	50.0	53.8	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	94	607264	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.099	13.099	0.000	94	1271711	50.0	50.1	
159 1,2,3-Trimethylbenzene	105	13.106	13.106	0.000	99	2636176	50.0	52.5	
160 Benzyl chloride	91	13.171	13.171	0.000	99	2058765	50.0	55.3	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	95	1637628	50.0	52.4	
162 p-Diethylbenzene	119	13.307	13.307	0.000	95	1696755	50.0	52.2	
163 n-Butylbenzene	92	13.328	13.328	0.000	98	1356796	50.0	52.3	
164 1,2-Dichlorobenzene	146	13.357	13.357	0.000	98	1419201	50.0	50.8	
165 o-diethylbenzene	119	13.378	13.378	0.000	96	1373371	50.0	51.2	
167 1,2-Dibromo-3-Chloropropane	75	13.900	13.900	0.000	86	334634	50.0	52.2	
168 1,3,5-Trichlorobenzene	180	14.036	14.036	0.000	98	1187852	50.0	51.8	
169 1,2,4-Trichlorobenzene	180	14.458	14.458	0.000	94	1174765	50.0	52.2	
170 Hexachlorobutadiene	225	14.544	14.544	0.000	97	490225	50.0	51.7	
171 Naphthalene	128	14.636	14.636	0.000	97	4261747	50.0	53.4	
172 1,2,3-Trichlorobenzene	180	14.779	14.779	0.000	96	1198484	50.0	52.2	
173 2-Methylnaphthalene	142	15.416	15.416	0.000	92	2528609	50.0	56.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00111	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00005	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00112	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00107	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00004	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00394	Amount Added:	2.50	Units: uL	
MSV_HP20_ISSS_00096	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Feb-2023 20:40:19 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I15.D

Injection Date: 20-Feb-2023 17:48:30 Instrument ID: 9355 Operator ID: kas02648

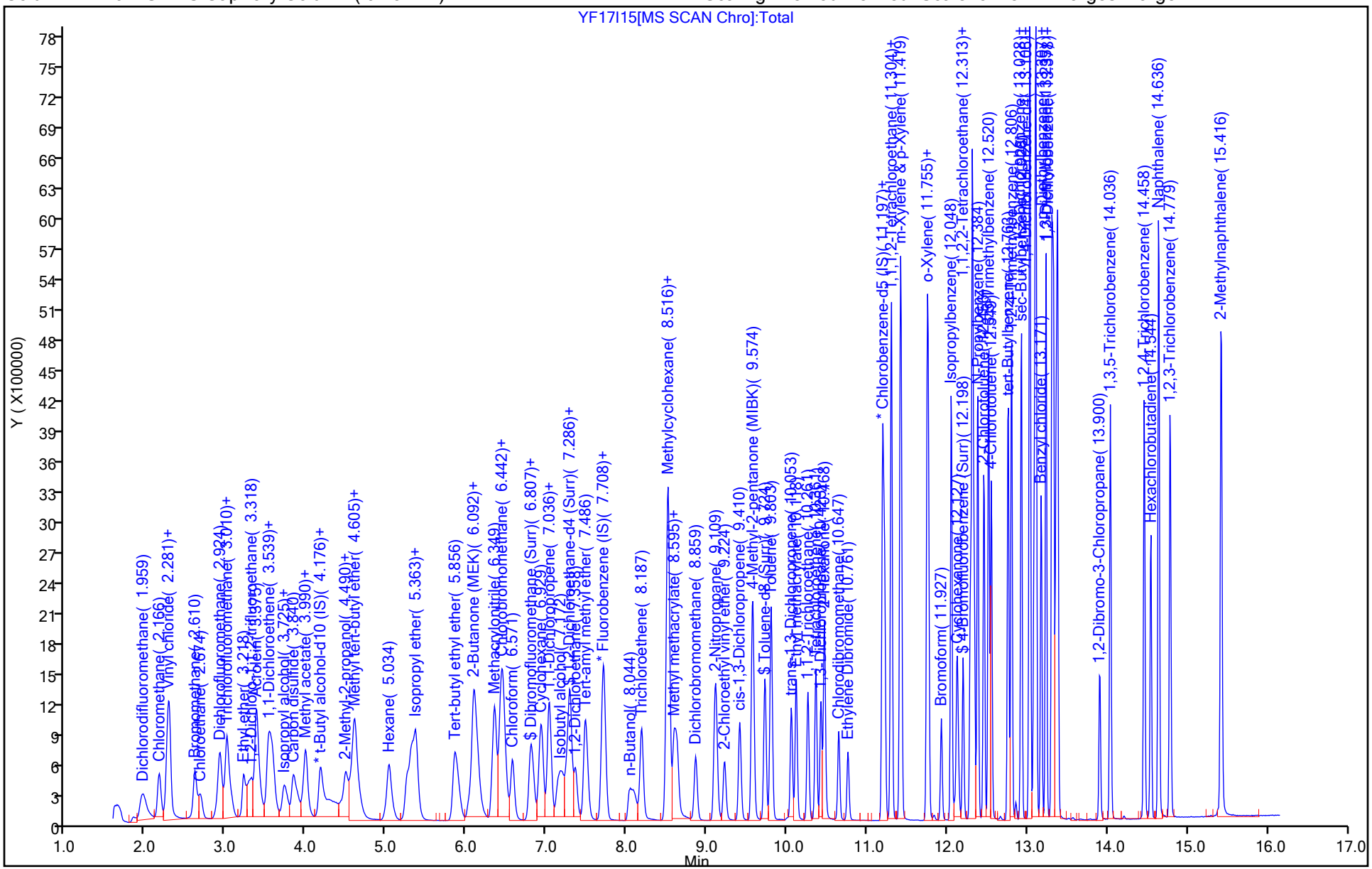
Lims ID: ICIS v50 Worklist Smp#: 16

Client ID:

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

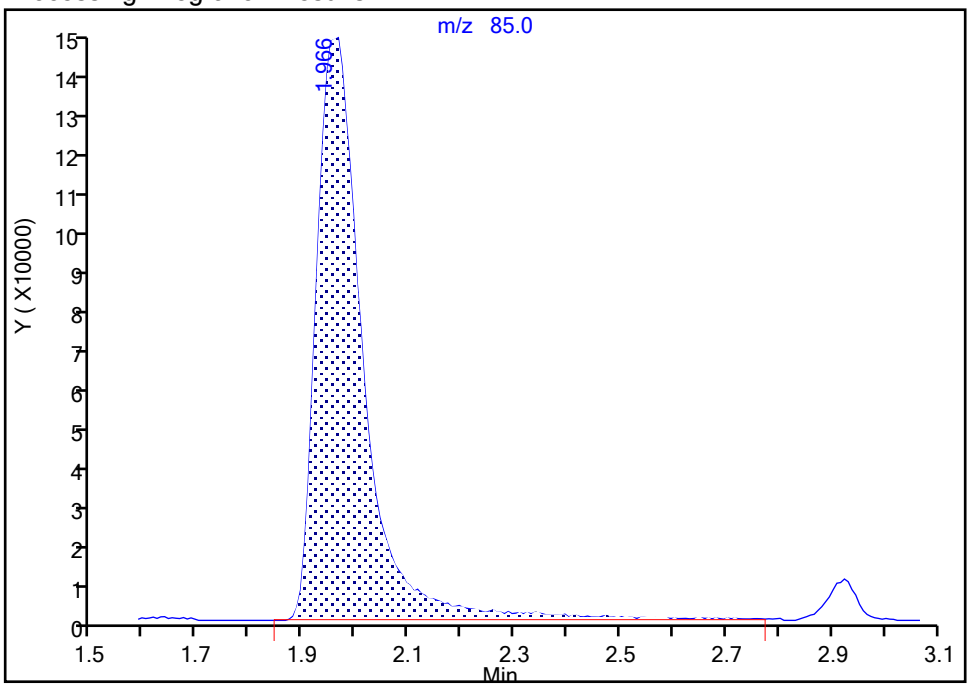
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I15.D
Injection Date: 20-Feb-2023 17:48:30 Instrument ID: 9355
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 6 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

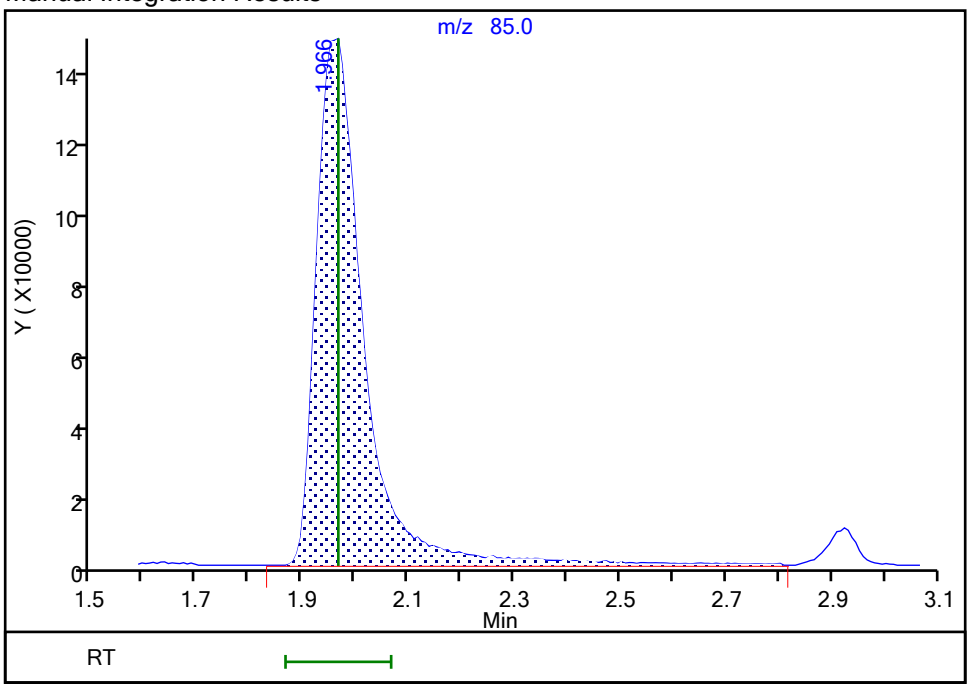
Processing Integration Results

RT: 1.97
Area: 877300
Amount: 53.137096
Amount Units: ug/l



Manual Integration Results

RT: 1.97
Area: 877991
Amount: 53.129721
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:31:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

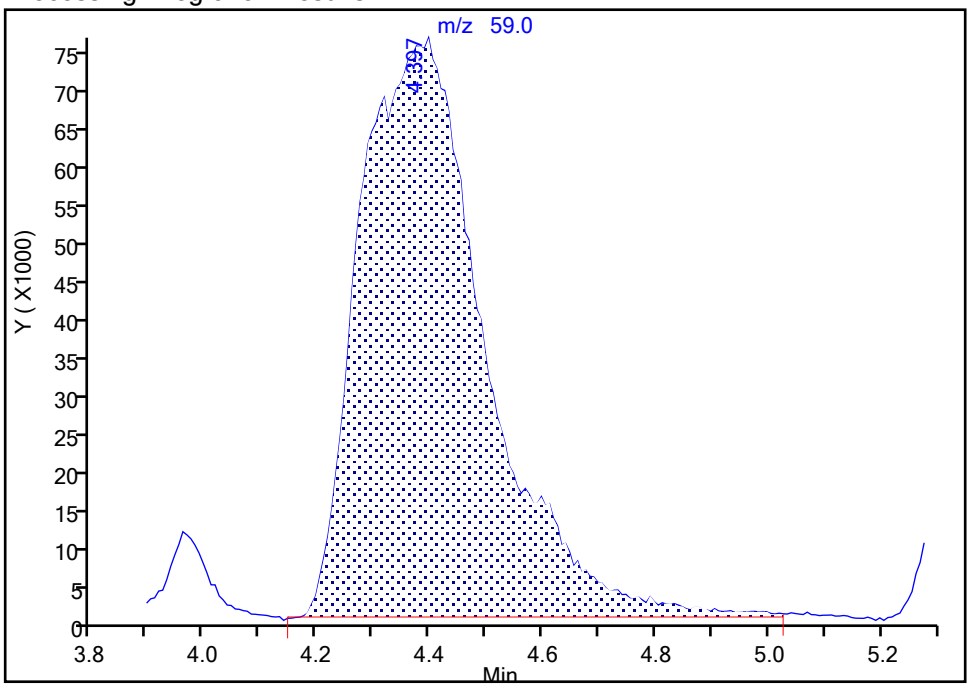
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I15.D
Injection Date: 20-Feb-2023 17:48:30 Instrument ID: 9355
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 6 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

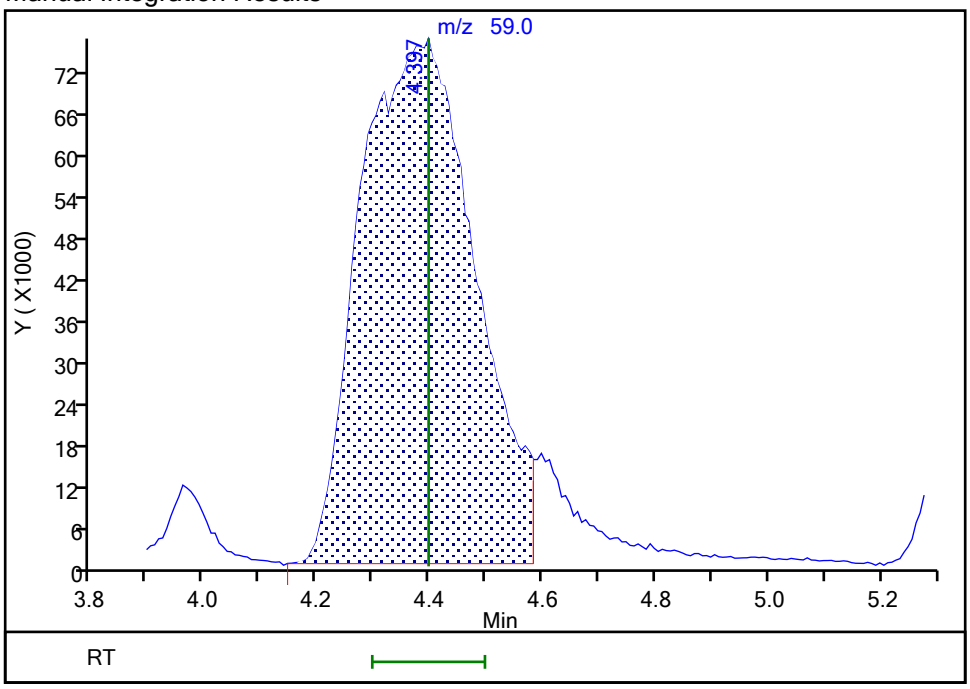
Processing Integration Results

RT: 4.40
Area: 1184291
Amount: 255.8191
Amount Units: ug/l



Manual Integration Results

RT: 4.40
Area: 1082935
Amount: 260.4959
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:31:50
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

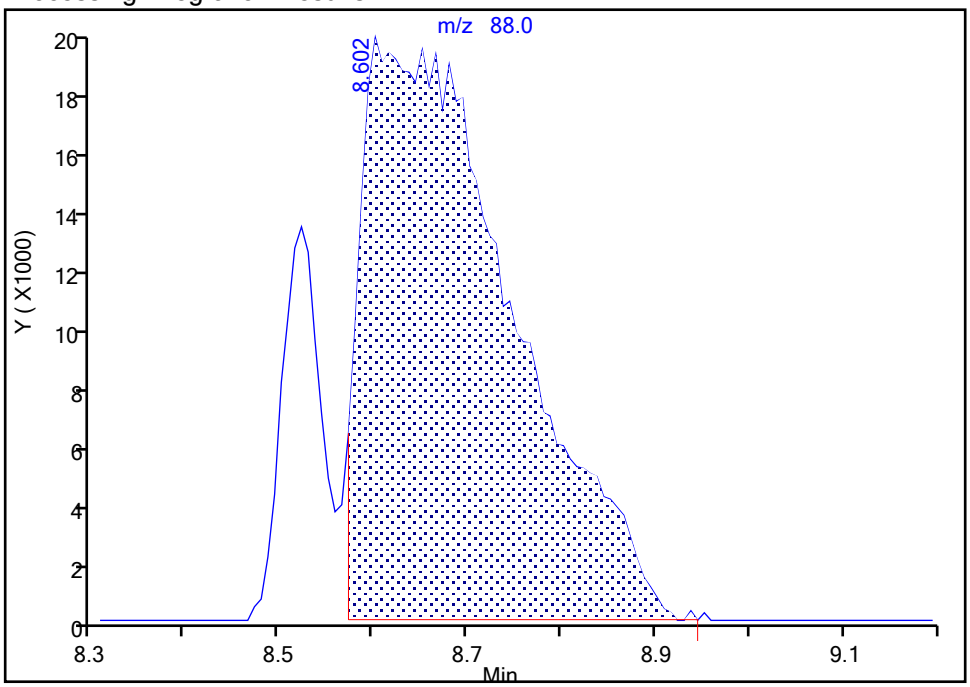
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I15.D
Injection Date: 20-Feb-2023 17:48:30 Instrument ID: 9355
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 6 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

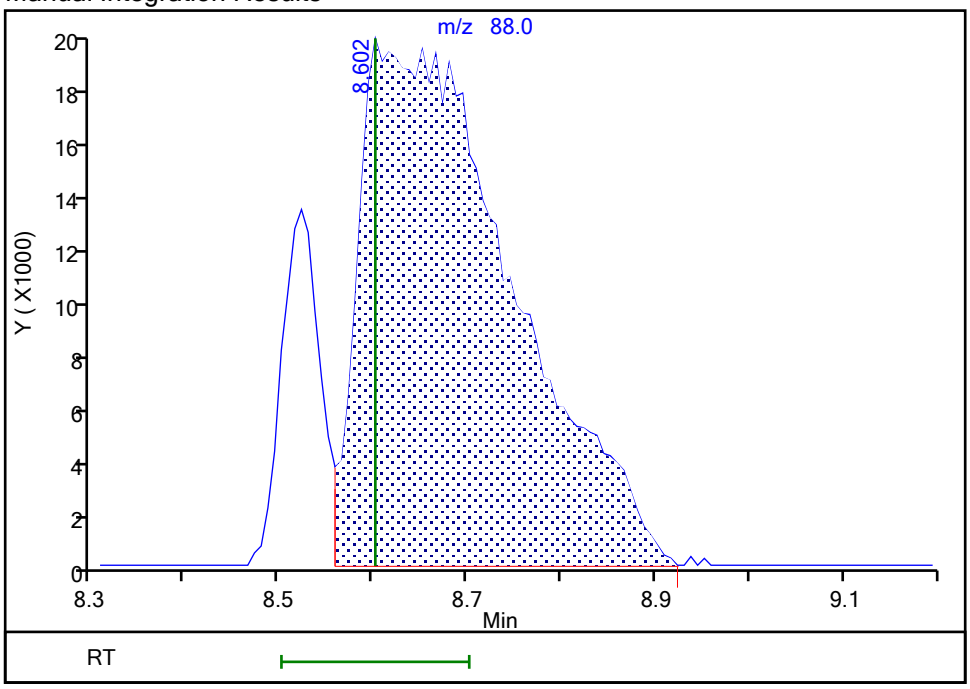
Processing Integration Results

RT: 8.60
Area: 219940
Amount: 737.1256
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 223053
Amount: 746.7728
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:32:09
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\20230220-77389.b\YF17I16.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 20-Feb-2023 18:10:30 ALS Bottle#: 7 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0077389-017
Misc. Info.: IC 100
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 20-Feb-2023 20:40:24 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1671

First Level Reviewer: K4WN Date: 20-Feb-2023 19:33:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.959	1.966	-0.007	99	1847759	100.0	114.3	M
4 Chloromethane	50	2.166	2.166	0.000	99	1860727	100.0	107.1	
5 Vinyl chloride	62	2.274	2.274	0.000	98	1823733	100.0	111.1	
6 Butadiene	39	2.288	2.288	0.000	92	1629164	100.0	110.8	
8 Bromomethane	94	2.610	2.610	0.000	91	1177623	100.0	110.2	
9 Chloroethane	64	2.674	2.674	0.000	100	906501	100.0	109.1	
10 Dichlorofluoromethane	67	2.924	2.924	0.000	97	2263191	100.0	105.8	
11 Trichlorofluoromethane	101	2.996	2.996	0.000	96	2193617	100.0	114.8	
12 Pentane	43	3.010	3.010	0.000	96	1583491	100.0	97.5	
14 Ethyl ether	59	3.218	3.218	0.000	93	797778	100.0	105.1	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.303	3.289	0.014	92	1237054	100.0	108.7	
16 Acrolein	56	3.375	3.382	-0.007	99	4482250	999.9	1206.6	
17 1,1-Dichloroethene	96	3.525	3.525	0.000	98	849709	100.0	106.5	
18 Acetone	58	3.539	3.546	-0.007	100	442286	200.0	223.2	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.568	3.575	-0.007	93	1105465	100.0	108.1	
20 Isopropyl alcohol	45	3.704	3.697	0.007	97	950982	500.0	516.5	
21 Iodomethane	142	3.732	3.725	0.007	98	1720932	100.0	105.2	
22 Carbon disulfide	76	3.840	3.840	0.000	100	3205842	100.0	107.2	
24 Methyl acetate	43	3.961	3.961	0.000	98	1390273	100.0	92.3	
25 3-Chloro-1-propene	41	3.997	3.997	0.000	90	1377317	100.0	99.3	
26 Methylene Chloride	84	4.176	4.183	-0.007	92	984107	100.0	103.0	
* 27 t-Butyl alcohol-d10 (IS)	65	4.269	4.269	0.000	72	565264	250.0	250.0	
28 2-Methyl-2-propanol	59	4.397	4.397	0.000	99	1810211	500.0	534.1	
29 Acrylonitrile	53	4.490	4.497	-0.007	98	1890361	250.0	261.0	
30 Methyl tert-butyl ether	73	4.590	4.590	0.000	95	3323169	100.0	104.8	
32 trans-1,2-Dichloroethene	96	4.605	4.605	0.000	98	894808	100.0	104.8	
33 Hexane	57	5.034	5.034	0.000	94	1362914	100.0	107.6	
34 1,1-Dichloroethane	63	5.255	5.255	0.000	96	1613276	100.0	103.6	
36 Isopropyl ether	45	5.320	5.320	0.000	94	3124786	100.0	106.2	
37 2-Chloro-1,3-butadiene	53	5.370	5.370	0.000	92	1439700	100.0	107.2	

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	5.856	5.856	0.000	98	3166325	100.0	106.1	
40 2-Butanone (MEK)	43	6.056	6.056	0.000	100	2212499	200.0	201.8	
41 cis-1,2-Dichloroethene	96	6.092	6.085	0.007	83	1012575	100.0	106.5	
42 2,2-Dichloropropane	77	6.121	6.113	0.007	89	1573133	100.0	105.4	
43 Propionitrile	54	6.135	6.135	0.000	99	1781132	500.0	580.8	
S 45 1,2-Dichloroethene, Total	100				0			211.4	
47 Methacrylonitrile	67	6.349	6.349	0.000	92	1800435	250.0	268.4	
48 Chlorobromomethane	128	6.428	6.428	0.000	95	524401	100.0	104.1	
49 Tetrahydrofuran	71	6.449	6.457	-0.008	92	1529854	500.0	543.1	
50 Chloroform	83	6.571	6.571	0.000	94	1618825	100.0	102.8	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.800	-0.007	93	293868	50.0	48.7	
52 1,1,1-Trichloroethane	97	6.821	6.821	0.000	98	1580819	100.0	105.6	
53 Cyclohexane	56	6.936	6.929	0.007	92	1934216	100.0	108.5	
54 1,1-Dichloropropene	75	7.029	7.029	0.000	97	1249608	100.0	108.5	
55 Carbon tetrachloride	117	7.043	7.036	0.007	97	1352307	100.0	108.5	
56 Isobutyl alcohol	41	7.172	7.172	0.000	95	1415689	1250.0	1298.6	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.257	7.250	0.007	95	73532	50.0	49.5	
58 Benzene	78	7.293	7.293	0.000	96	3776083	100.0	104.8	
59 1,2-Dichloroethane	62	7.357	7.365	-0.008	98	1371525	100.0	104.7	
61 Tert-amyl methyl ether	73	7.486	7.486	0.000	98	3115289	100.0	107.4	
* 62 Fluorobenzene (IS)	96	7.701	7.701	0.000	95	1212087	50.0	50.0	
63 n-Heptane	43	7.715	7.715	0.000	93	1528516	100.0	105.0	
65 n-Butanol	56	8.051	8.044	0.007	93	1153697	1250.0	1302.1	
66 Trichloroethene	95	8.187	8.187	0.000	99	994741	100.0	107.1	
67 Methylcyclohexane	83	8.509	8.509	0.000	92	1989088	100.0	112.1	
68 1,2-Dichloropropane	63	8.516	8.516	0.000	71	1049442	100.0	106.4	
69 2-ethoxy-2-methyl butane	87	8.523	8.523	0.000	91	1438944	100.0	107.9	
70 Methyl methacrylate	69	8.587	8.595	-0.008	90	1074100	100.0	110.6	
71 1,4-Dioxane	88	8.609	8.602	0.007	88	278251	1250.0	1142.6	M
72 Dibromomethane	93	8.630	8.630	0.000	96	697888	100.0	107.4	
74 Dichlorobromomethane	83	8.859	8.859	0.000	99	1297531	100.0	109.1	
75 2-Nitropropane	41	9.109	9.109	0.000	98	2852793	500.0	610.3	
76 2-Chloroethyl vinyl ether	63	9.217	9.217	0.000	92	830069	100.0	114.1	
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	95	1635955	100.0	111.8	
78 4-Methyl-2-pentanone (MIBK)	43	9.574	9.574	0.000	97	4340874	200.0	219.1	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1204129	50.0	49.3	
80 Toluene	92	9.803	9.803	0.000	98	2445267	100.0	105.1	
117 trans-1,3-Dichloropropene	75	10.053	10.053	0.000	94	1559652	100.0	110.7	
S 118 1,3-Dichloropropene, Total	100				0			222.6	
119 Ethyl methacrylate	69	10.117	10.118	-0.001	90	1772759	100.0	109.3	
120 1,1,2-Trichloroethane	97	10.260	10.261	-0.001	91	982078	100.0	104.0	
121 Tetrachloroethene	166	10.361	10.361	0.000	97	1098233	100.0	105.6	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	92	1596250	100.0	107.6	
124 2-Hexanone	43	10.468	10.468	0.000	97	3099191	200.0	213.1	
126 Chlorodibromomethane	129	10.647	10.647	0.000	90	1100963	100.0	111.6	
127 Ethylene Dibromide	107	10.761	10.761	0.000	98	1077373	100.0	108.2	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	957185	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	98	1394453	100.0	104.1	
130 Chlorobenzene	112	11.219	11.219	0.000	94	2829747	100.0	105.7	
S 131 Xylenes, Total	106				0			323.9	
132 1,1,1,2-Tetrachloroethane	131	11.297	11.297	0.000	95	1122844	100.0	108.2	
133 Ethylbenzene	91	11.304	11.304	0.000	98	5018605	100.0	107.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
134 m-Xylene & p-Xylene	106	11.419	11.419	0.000	1	3904462	200.0	215.7	
135 o-Xylene	106	11.748	11.748	0.000	96	2054752	100.0	108.1	
136 Styrene	104	11.762	11.762	0.000	94	3318613	100.0	110.2	
137 Bromoform	173	11.926	11.927	-0.001	97	962767	100.0	115.4	
138 Isopropylbenzene	105	12.048	12.048	0.000	96	5460046	100.0	109.9	
140 Cyclohexanone	55	12.120	12.127	-0.007	93	1078272	1250.0	1130.7	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	91	486580	50.0	49.7	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	94	2057278	100.0	106.5	
143 Bromobenzene	156	12.313	12.313	0.000	92	1341338	100.0	109.0	
144 trans-1,4-Dichloro-2-butene	53	12.313	12.313	0.000	80	1549054	250.0	277.8	
145 1,2,3-Trichloropropane	110	12.341	12.334	0.007	84	596270	100.0	103.9	
146 N-Propylbenzene	91	12.384	12.384	0.000	99	6353205	100.0	112.5	
147 2-Chlorotoluene	126	12.463	12.456	0.007	97	1331179	100.0	108.5	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	94	4926031	100.0	113.0	
149 4-Chlorotoluene	126	12.549	12.549	0.000	98	1293415	100.0	108.6	
151 tert-Butylbenzene	134	12.763	12.763	0.000	93	990364	100.0	117.7	
153 1,2,4-Trimethylbenzene	105	12.806	12.806	0.000	98	5123875	100.0	113.4	
154 sec-Butylbenzene	105	12.928	12.928	0.000	95	6392812	100.0	117.8	
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	98	2663747	100.0	106.9	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	96	5600148	100.0	116.3	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	590947	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.099	13.099	0.000	93	2591882	100.0	104.9	
159 1,2,3-Trimethylbenzene	105	13.106	13.106	0.000	99	5455986	100.0	111.6	
160 Benzyl chloride	91	13.171	13.171	0.000	99	4172354	100.0	115.3	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	95	3454930	100.0	113.6	
162 p-Diethylbenzene	119	13.306	13.307	-0.001	94	3550487	100.0	112.2	
163 n-Butylbenzene	92	13.328	13.328	0.000	97	2859510	100.0	113.2	
164 1,2-Dichlorobenzene	146	13.357	13.357	0.000	98	2863636	100.0	105.3	
165 o-diethylbenzene	119	13.378	13.378	0.000	96	2893326	100.0	110.8	
167 1,2-Dibromo-3-Chloropropane	75	13.900	13.900	0.000	87	657631	100.0	105.4	
168 1,3,5-Trichlorobenzene	180	14.036	14.036	0.000	98	2427629	100.0	108.9	
169 1,2,4-Trichlorobenzene	180	14.458	14.458	0.000	94	2359955	100.0	107.8	
170 Hexachlorobutadiene	225	14.543	14.544	-0.001	97	1037653	100.0	112.5	
171 Naphthalene	128	14.636	14.636	0.000	98	8011898	100.0	103.1	
172 1,2,3-Trichlorobenzene	180	14.779	14.779	0.000	96	2351112	100.0	105.3	
173 2-Methylnaphthalene	142	15.416	15.416	0.000	91	4786502	100.0	109.6	
S 184 Total Diethylbenzene	1				0			336.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00111	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00005	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00112	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00107	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00004	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00394	Amount Added:	2.50	Units: uL	
MSV_HP20_ISSS_00096	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Feb-2023 20:40:24 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I16.D

Injection Date: 20-Feb-2023 18:10:30 Instrument ID: 9355 Operator ID: kas02648

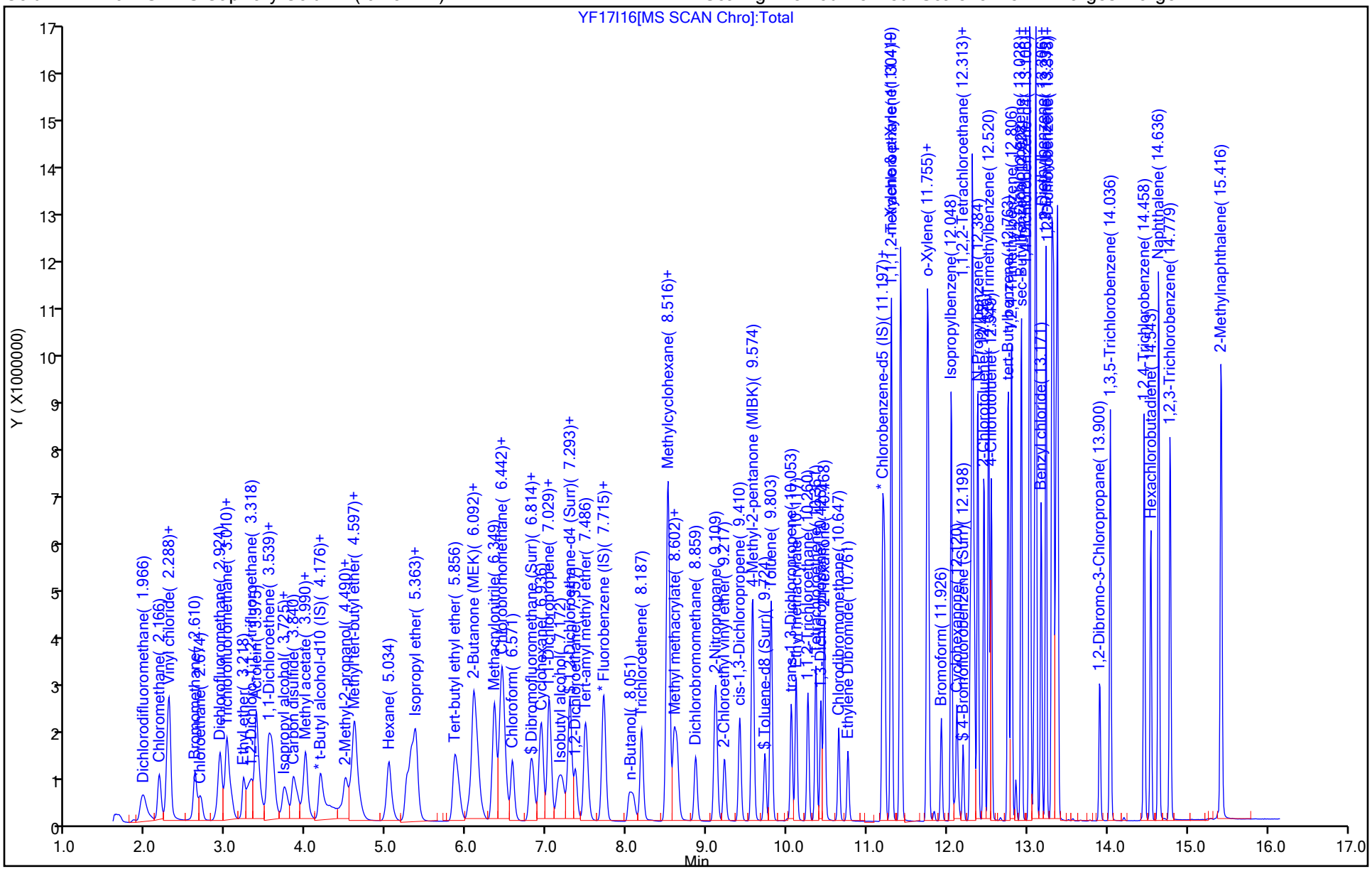
Lims ID: IC v100 Worklist Smp#: 17

Client ID:

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

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

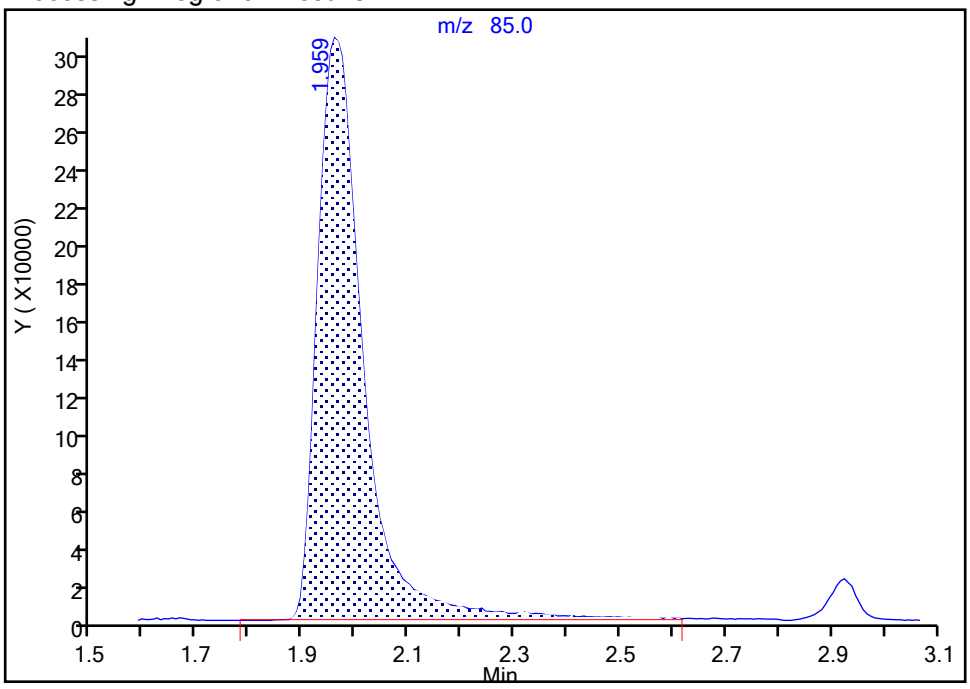
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I16.D
Injection Date: 20-Feb-2023 18:10:30 Instrument ID: 9355
Lims ID: IC v100
Client ID:
Operator ID: kas02648 ALS Bottle#: 7 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

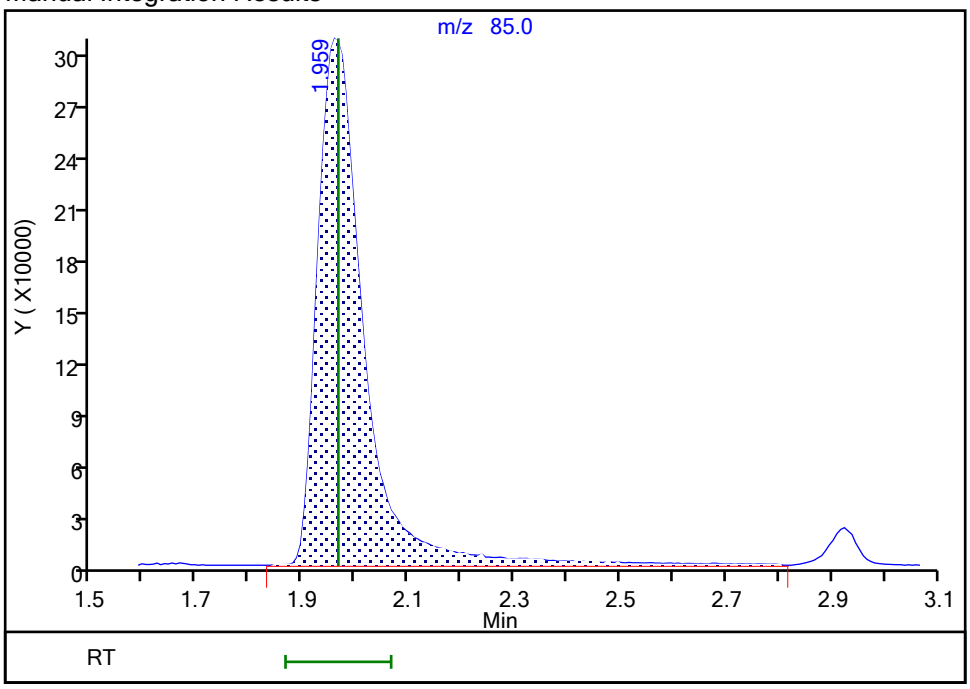
Processing Integration Results

RT: 1.96
Area: 1838635
Amount: 113.8186
Amount Units: ug/l



Manual Integration Results

RT: 1.96
Area: 1847759
Amount: 114.2912
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:32:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

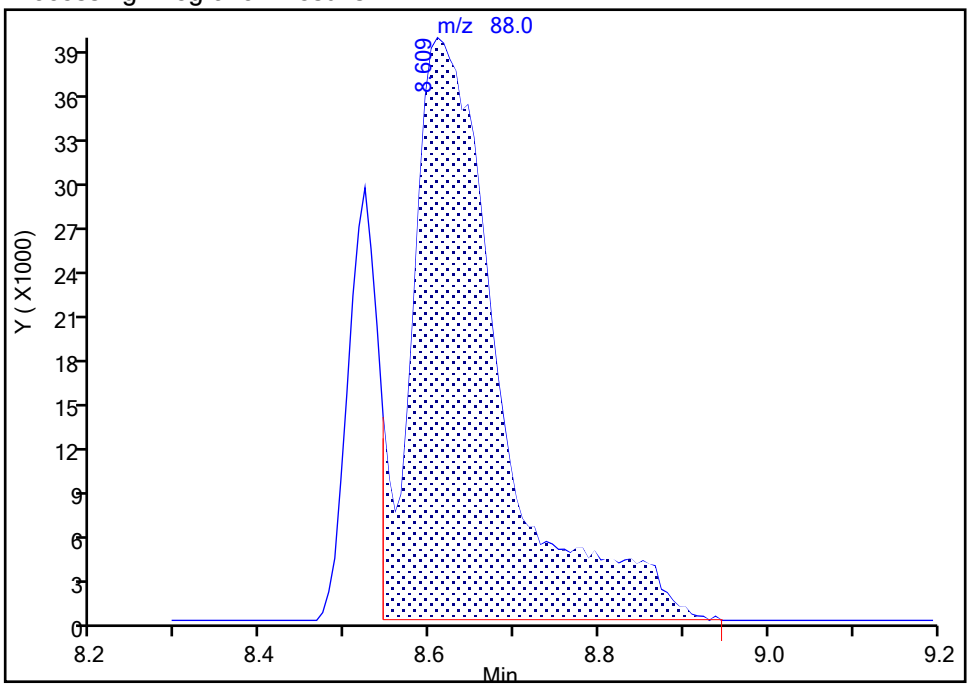
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I16.D				
Injection Date:	20-Feb-2023 18:10:30	Instrument ID:	9355		
Lims ID:	IC v100				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	7	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

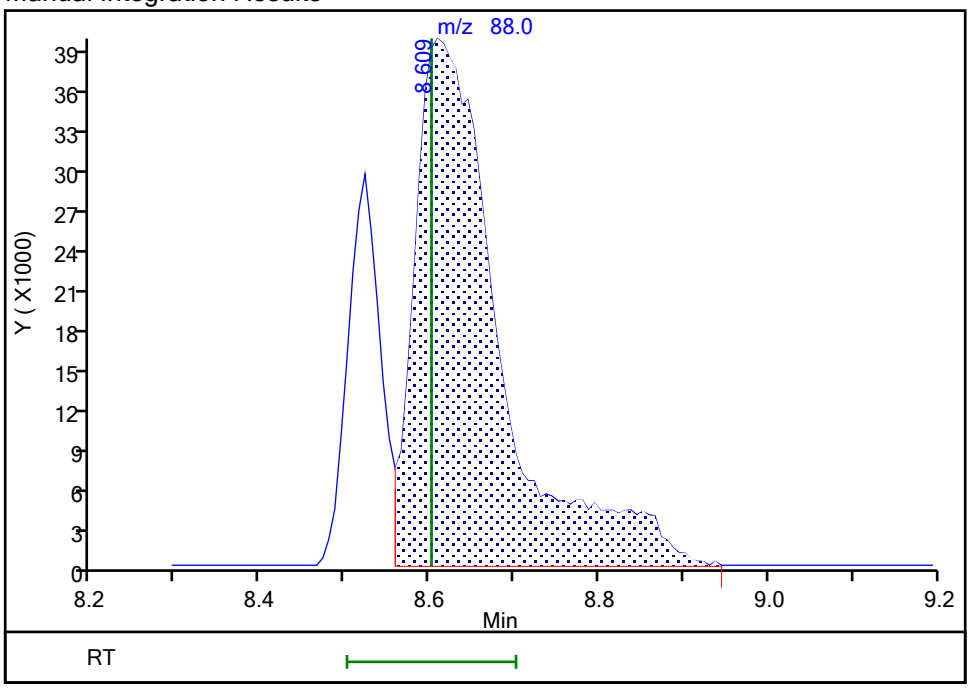
Processing Integration Results

RT: 8.61
Area: 288258
Amount: 1182.0946
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 278251
Amount: 1142.5762
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:33:08
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\20230220-77389.b\YF17I17.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Feb-2023 18:32:30 ALS Bottle#: 8 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0077389-018
Misc. Info.: IC 300
Operator ID: kas02648 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 20-Feb-2023 20:40:29 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1671

First Level Reviewer: K4WN Date: 20-Feb-2023 19:46:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.952	1.966	-0.014	99	5211412	300.0	302.4	
4 Chloromethane	50	2.152	2.166	-0.014	99	5290756	300.0	285.7	
5 Vinyl chloride	62	2.259	2.274	-0.015	98	5180027	300.0	296.0	
6 Butadiene	39	2.281	2.288	-0.007	92	4590085	300.0	292.7	
8 Bromomethane	94	2.603	2.610	-0.007	91	3219291	300.0	282.7	
9 Chloroethane	64	2.667	2.674	-0.007	100	2527021	300.0	285.2	
10 Dichlorofluoromethane	67	2.910	2.924	-0.014	97	6373798	300.0	279.6	
11 Trichlorofluoromethane	101	2.989	2.996	-0.007	98	6214543	300.0	305.1	
12 Pentane	43	2.996	3.010	-0.014	98	4960927	300.0	286.4	
14 Ethyl ether	59	3.203	3.218	-0.015	93	2412298	300.0	298.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.296	3.289	0.007	92	3523462	300.0	290.4	
16 Acrolein	56	3.368	3.382	-0.014	99	13668200	2999.8	2844.0	
17 1,1-Dichloroethene	96	3.518	3.525	-0.007	98	2613911	300.0	307.2	
18 Acetone	58	3.532	3.546	-0.014	100	1415828	600.0	552.3	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.568	3.575	-0.007	93	3360392	300.0	308.4	
20 Isopropyl alcohol	45	3.689	3.697	-0.008	97	3950892	1500.0	1658.6	
21 Iodomethane	142	3.725	3.725	0.000	98	5257074	300.0	301.6	
22 Carbon disulfide	76	3.832	3.840	-0.008	100	9861696	300.0	309.3	
24 Methyl acetate	43	3.947	3.961	-0.014	98	4273318	300.0	266.1	
25 3-Chloro-1-propene	41	3.983	3.997	-0.014	91	4194954	300.0	283.7	
26 Methylene Chloride	84	4.169	4.183	-0.014	93	3001480	300.0	294.6	
* 27 t-Butyl alcohol-d10 (IS)	65	4.269	4.269	0.000	71	731279	250.0	250.0	
28 2-Methyl-2-propanol	59	4.390	4.397	-0.007	99	6015636	1500.0	1371.9	M
29 Acrylonitrile	53	4.476	4.497	-0.021	98	5770421	750.0	747.4	
30 Methyl tert-butyl ether	73	4.583	4.590	-0.007	95	10072170	300.0	297.9	
32 trans-1,2-Dichloroethene	96	4.590	4.605	-0.015	99	2680401	300.0	294.6	
33 Hexane	57	5.019	5.034	-0.015	94	4019219	300.0	297.6	
34 1,1-Dichloroethane	63	5.248	5.255	-0.007	96	4805984	300.0	289.6	
36 Isopropyl ether	45	5.313	5.320	-0.007	94	9559625	300.0	304.7	
37 2-Chloro-1,3-butadiene	53	5.355	5.370	-0.015	92	4316951	300.0	301.4	

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	5.856	5.856	0.000	98	9747051	300.0	306.4	
40 2-Butanone (MEK)	43	6.049	6.056	-0.007	100	6959276	600.0	595.3	
41 cis-1,2-Dichloroethene	96	6.085	6.085	0.000	84	3004540	300.0	296.5	
42 2,2-Dichloropropane	77	6.113	6.113	0.000	88	4856424	300.0	305.3	
43 Propionitrile	54	6.128	6.135	-0.007	99	5787897	1500.0	1458.8	
S 45 1,2-Dichloroethene, Total	100				0			591.1	
47 Methacrylonitrile	67	6.342	6.349	-0.007	92	5516971	750.0	771.4	
48 Chlorobromomethane	128	6.421	6.428	-0.007	95	1567018	300.0	291.7	
49 Tetrahydrofuran	71	6.449	6.457	-0.008	91	4739835	1500.0	1300.6	
50 Chloroform	83	6.571	6.571	0.000	93	4789055	300.0	285.2	
$ 51 Dibromofluoromethane (Surr)	113	6.786	6.800	-0.014	94	310577	50.0	48.3	
52 1,1,1-Trichloroethane	97	6.814	6.821	-0.007	98	4846174	300.0	303.7	
53 Cyclohexane	56	6.929	6.929	0.000	91	5997865	300.0	315.7	
54 1,1-Dichloropropene	75	7.021	7.029	-0.008	97	3779951	300.0	307.7	
55 Carbon tetrachloride	117	7.036	7.036	0.000	97	4221155	300.0	317.6	
56 Isobutyl alcohol	41	7.157	7.172	-0.015	95	5194938	3750.0	3683.4	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.257	7.250	0.007	92	76899	50.0	48.5	
58 Benzene	78	7.286	7.293	-0.007	97	11333947	300.0	294.9	
59 1,2-Dichloroethane	62	7.358	7.365	-0.007	97	4135226	300.0	296.1	
61 Tert-amyl methyl ether	73	7.486	7.486	0.000	98	9716229	300.0	314.2	
* 62 Fluorobenzene (IS)	96	7.694	7.701	-0.007	99	1292141	50.0	50.0	
63 n-Heptane	43	7.715	7.715	0.000	92	4481487	300.0	288.7	
65 n-Butanol	56	8.044	8.044	0.000	89	4581192	3750.0	3996.8	
66 Trichloroethene	95	8.180	8.187	-0.007	99	3052041	300.0	308.4	
67 Methylcyclohexane	83	8.509	8.509	0.000	92	6149604	300.0	325.1	
68 1,2-Dichloropropane	63	8.516	8.516	0.000	76	3243223	300.0	308.6	
69 2-ethoxy-2-methyl butane	87	8.523	8.523	0.000	92	4588516	300.0	322.7	
70 Methyl methacrylate	69	8.587	8.595	-0.008	91	3446344	300.0	333.0	
71 1,4-Dioxane	88	8.609	8.602	0.007	87	1373061	3750.0	4358.2	M
72 Dibromomethane	93	8.630	8.630	0.000	97	2148813	300.0	310.2	
74 Dichlorobromomethane	83	8.859	8.859	0.000	99	4037937	300.0	318.5	
75 2-Nitropropane	41	9.109	9.109	0.000	98	8839144	1500.0	1461.8	
76 2-Chloroethyl vinyl ether	63	9.217	9.217	0.000	91	2655815	300.0	342.6	
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	95	5189554	300.0	332.8	
78 4-Methyl-2-pentanone (MIBK)	43	9.567	9.574	-0.007	98	12961301	600.0	613.7	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1309311	50.0	48.5	
80 Toluene	92	9.803	9.803	0.000	98	7518993	300.0	292.5	
117 trans-1,3-Dichloropropene	75	10.053	10.053	0.000	93	5009002	300.0	321.9	
S 118 1,3-Dichloropropene, Total	100				0			654.7	
119 Ethyl methacrylate	69	10.110	10.118	-0.008	90	5522752	300.0	308.2	
120 1,1,2-Trichloroethane	97	10.261	10.261	0.000	91	3062739	300.0	293.6	
121 Tetrachloroethene	166	10.361	10.361	0.000	97	3386082	300.0	294.7	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	92	5008646	300.0	305.7	
124 2-Hexanone	43	10.468	10.468	0.000	96	9553017	600.0	594.5	
126 Chlorodibromomethane	129	10.647	10.647	0.000	90	3525115	300.0	323.5	
127 Ethylene Dibromide	107	10.761	10.761	0.000	98	3401198	300.0	309.2	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	85	1057642	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	98	4308479	300.0	291.2	
130 Chlorobenzene	112	11.219	11.219	0.000	93	8714385	300.0	294.5	
S 131 Xylenes, Total	106				0			877.2	
132 1,1,1,2-Tetrachloroethane	131	11.297	11.297	0.000	95	3473030	300.0	302.9	
133 Ethylbenzene	91	11.304	11.304	0.000	98	14160509	300.0	273.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
134 m-Xylene & p-Xylene	106	11.412	11.419	-0.007	1	11624525	600.0	581.3	e
135 o-Xylene	106	11.748	11.748	0.000	96	6212158	300.0	295.9	
136 Styrene	104	11.762	11.762	0.000	94	10000808	300.0	300.4	
137 Bromoform	173	11.927	11.927	0.000	97	3158123	300.0	342.6	
138 Isopropylbenzene	105	12.048	12.048	0.000	97	14570615	300.0	265.3	e
140 Cyclohexanone	55	12.127	12.127	0.000	93	5160848	3749.9	4183.3	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	90	548147	50.0	50.7	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	94	6267407	300.0	293.3	
143 Bromobenzene	156	12.313	12.313	0.000	93	4116003	300.0	302.4	
144 trans-1,4-Dichloro-2-butene	53	12.313	12.313	0.000	92	4874556	750.0	789.9	
145 1,2,3-Trichloropropane	110	12.341	12.334	0.007	84	1853407	300.0	291.9	
146 N-Propylbenzene	91	12.377	12.384	-0.007	95	15177941	300.0	242.9	e
147 2-Chlorotoluene	126	12.463	12.456	0.007	97	4145838	300.0	305.3	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	96	13544371	300.0	280.8	e
149 4-Chlorotoluene	126	12.549	12.549	0.000	97	4083901	300.0	310.0	
151 tert-Butylbenzene	134	12.763	12.763	0.000	92	3119454	300.0	334.9	
153 1,2,4-Trimethylbenzene	105	12.806	12.806	0.000	97	13701015	300.0	274.0	e
154 sec-Butylbenzene	105	12.920	12.928	-0.008	96	15192214	300.0	252.9	e
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	97	8004394	300.0	290.2	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	92	14201029	300.0	266.6	e
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	93	653878	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.099	13.099	0.000	92	7809703	300.0	285.7	
159 1,2,3-Trimethylbenzene	105	13.106	13.106	0.000	94	14211856	300.0	262.8	e
160 Benzyl chloride	91	13.171	13.171	0.000	99	12077079	300.0	301.5	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	93	10000908	300.0	297.2	
162 p-Diethylbenzene	119	13.307	13.307	0.000	91	10197878	300.0	291.2	
163 n-Butylbenzene	92	13.328	13.328	0.000	96	8522143	300.0	304.9	
164 1,2-Dichlorobenzene	146	13.364	13.357	0.007	96	8475868	300.0	281.6	
165 o-diethylbenzene	119	13.378	13.378	0.000	96	8688552	300.0	300.8	
167 1,2-Dibromo-3-Chloropropane	75	13.900	13.900	0.000	87	2107782	300.0	305.3	
168 1,3,5-Trichlorobenzene	180	14.036	14.036	0.000	98	7333090	300.0	297.2	
169 1,2,4-Trichlorobenzene	180	14.458	14.458	0.000	95	7071991	300.0	291.9	
170 Hexachlorobutadiene	225	14.544	14.544	0.000	98	3243211	300.0	317.7	
171 Naphthalene	128	14.636	14.636	0.000	96	16905466	300.0	196.7	eMa
172 1,2,3-Trichlorobenzene	180	14.779	14.779	0.000	96	7087821	300.0	286.8	
173 2-Methylnaphthalene	142	15.416	15.416	0.000	90	13608466	300.0	281.6	
S 184 Total Diethylbenzene	1				0			889.1	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00111	Amount Added:	15.00	Units: uL	
MSV_CCV_CYC_00005	Amount Added:	30.00	Units: uL	
MSV_CCV_VOC#3_00112	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00107	Amount Added:	15.00	Units: uL	
MSV_CCV_EE_00004	Amount Added:	15.00	Units: uL	
MSV_CCV_GASES_00394	Amount Added:	7.50	Units: uL	
MSV_HP20_ISSS_00096	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Feb-2023 20:40:29 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Injection Date: 20-Feb-2023 18:32:30 Instrument ID: 9355 Operator ID: kas02648

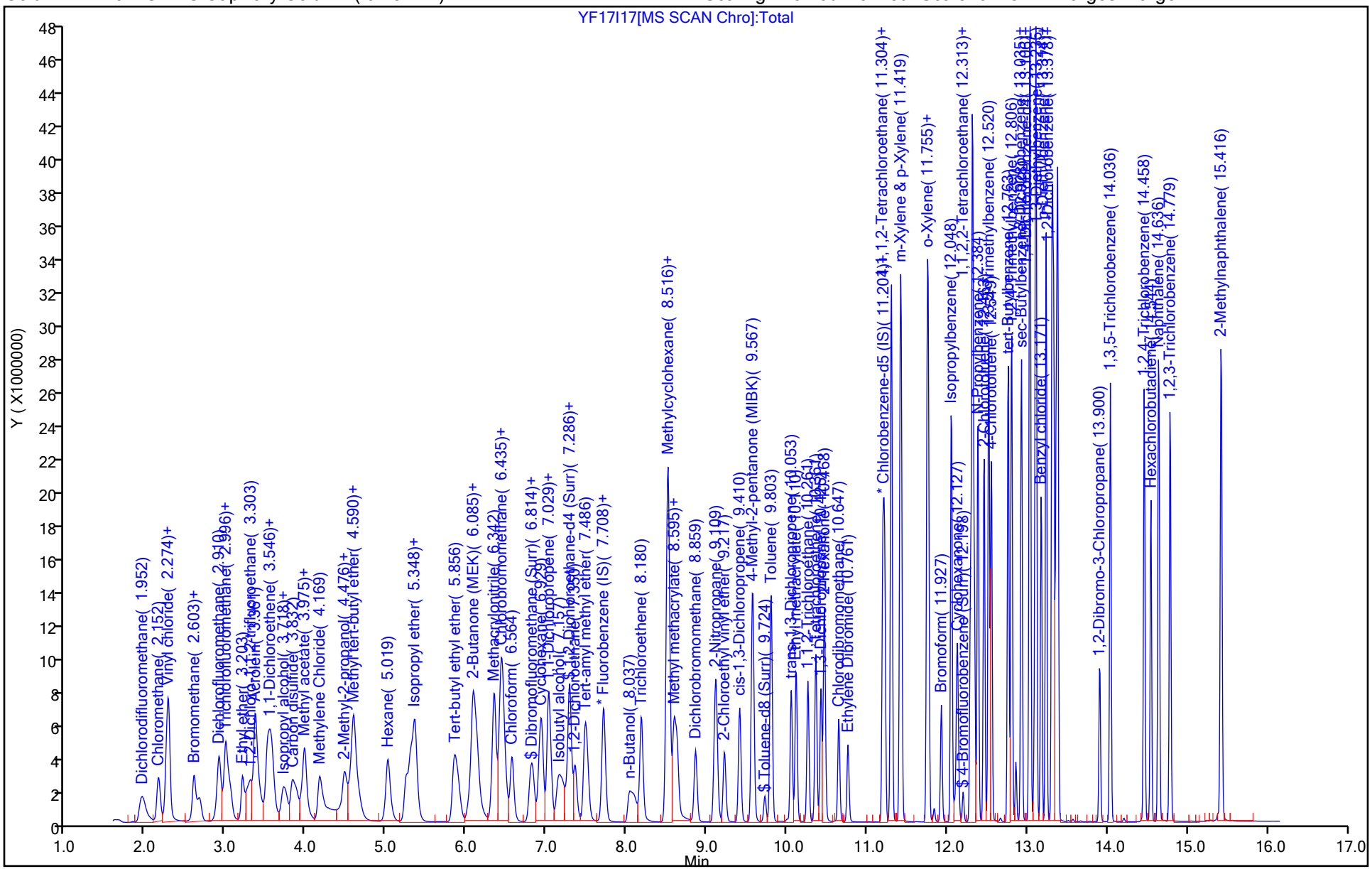
Lims ID: IC v300 Worklist Smp#: 18

Client ID:

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

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

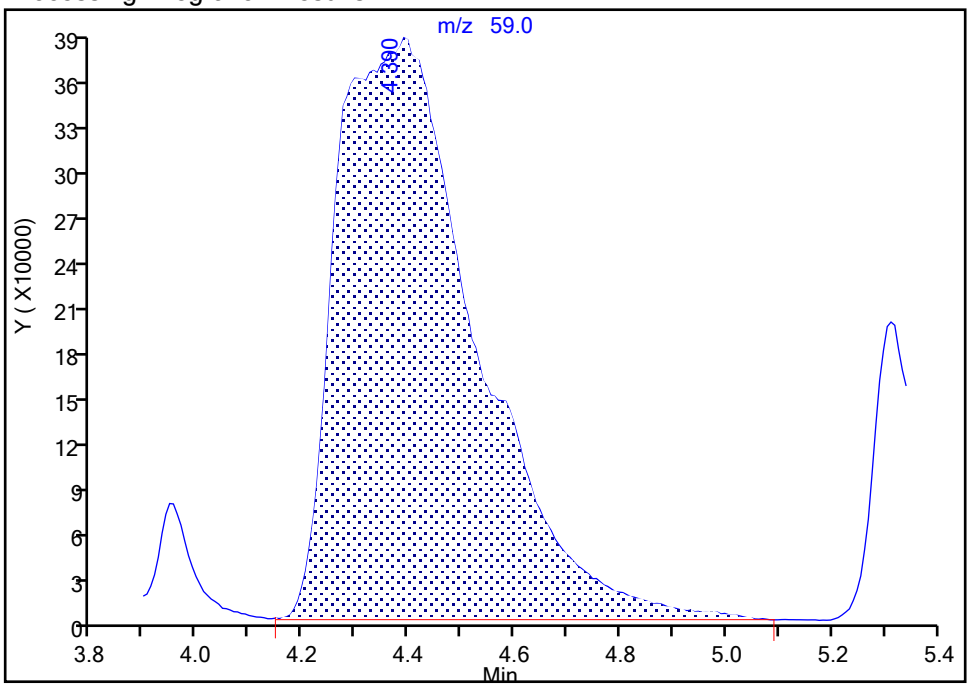
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D				
Injection Date:	20-Feb-2023 18:32:30	Instrument ID:	9355		
Lims ID:	IC v300				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	8	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	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

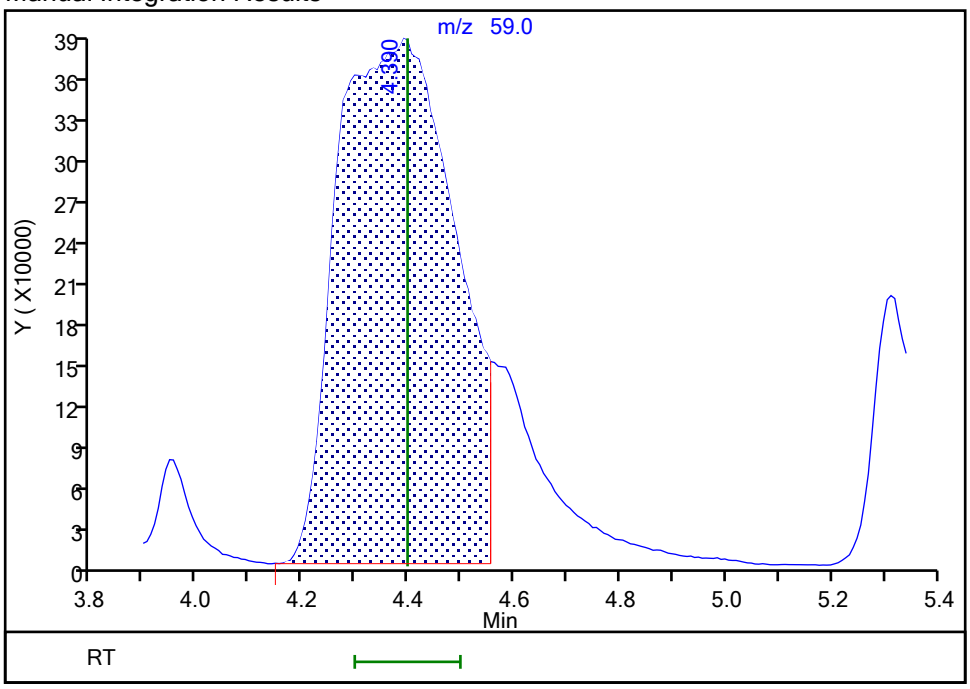
Processing Integration Results

RT: 4.39
Area: 7124078
Amount: 1477.4306
Amount Units: ug/l



Manual Integration Results

RT: 4.39
Area: 6015636
Amount: 1371.8805
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:33:53
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

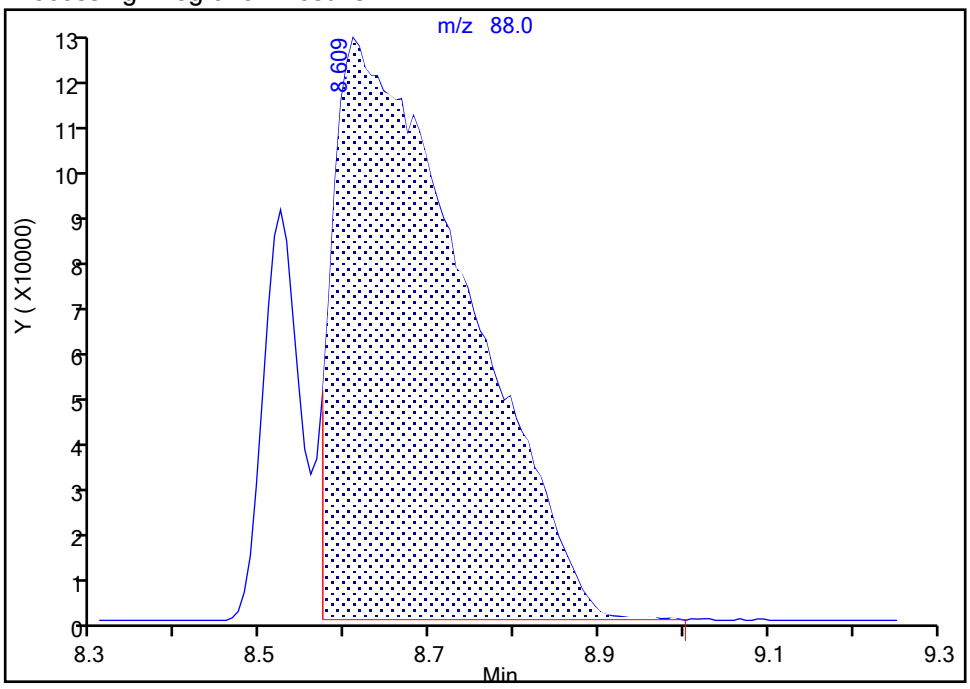
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D
Injection Date: 20-Feb-2023 18:32:30 Instrument ID: 9355
Lims ID: IC v300
Client ID:
Operator ID: kas02648 ALS Bottle#: 8 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

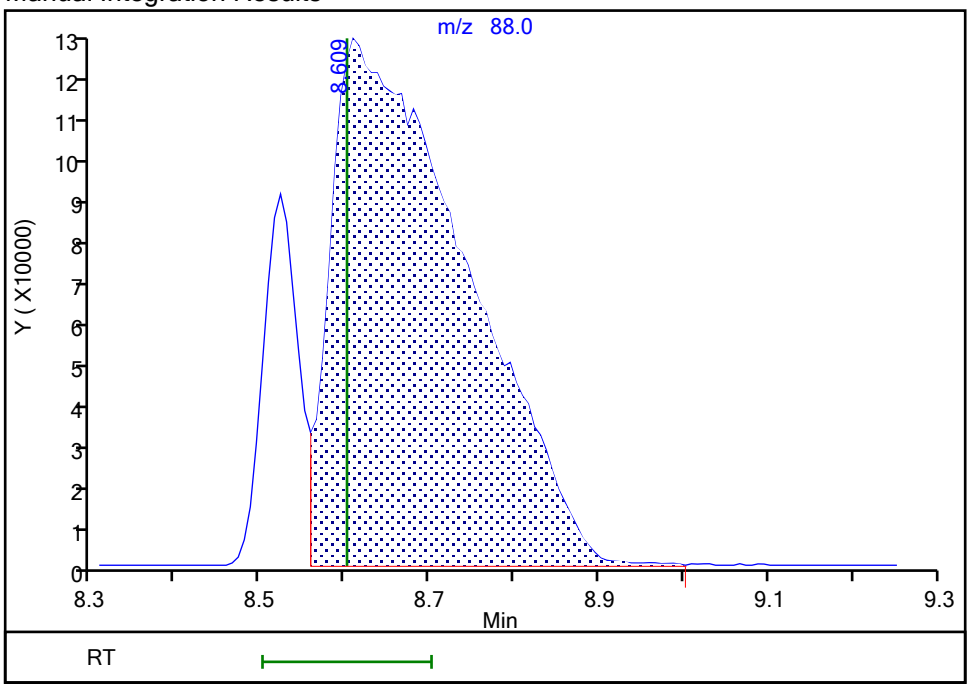
Processing Integration Results

RT: 8.61
Area: 1345229
Amount: 4284.2707
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 1373061
Amount: 4358.1933
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:34:16
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

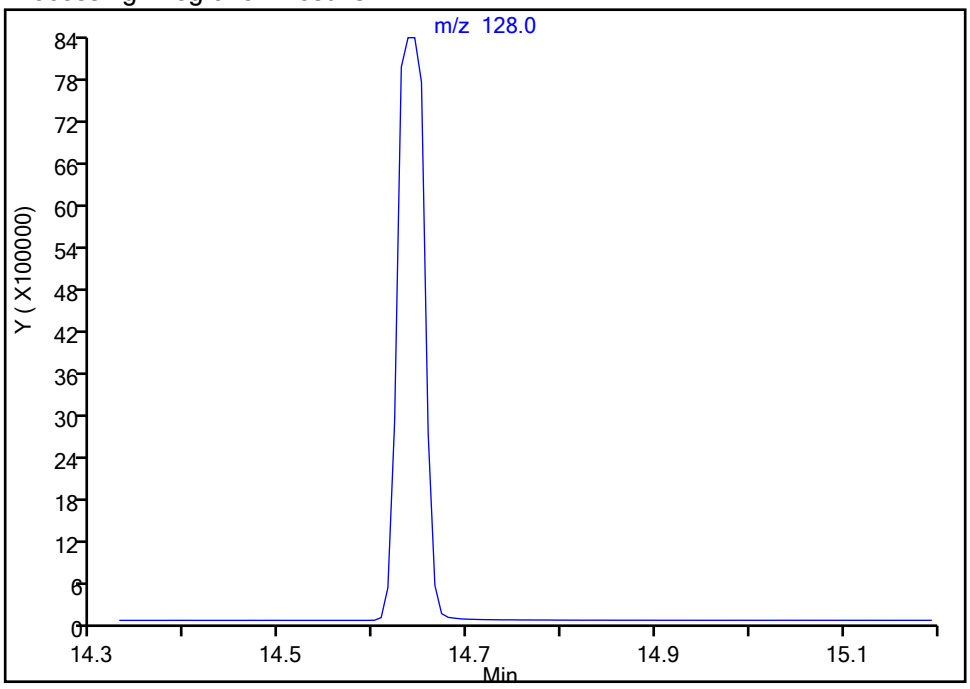
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D				
Injection Date:	20-Feb-2023 18:32:30	Instrument ID:	9355		
Lims ID:	IC v300				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	8	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

171 Naphthalene, CAS: 91-20-3

Signal: 1

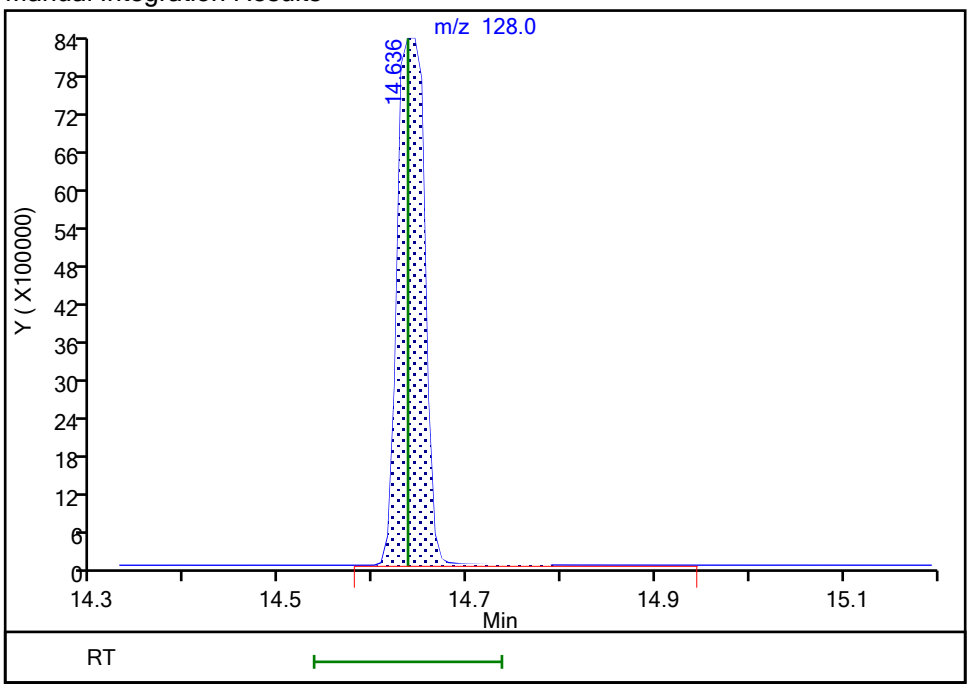
Not Detected
Expected RT: 14.64

Processing Integration Results



Manual Integration Results

RT: 14.64
Area: 16905466
Amount: 196.7031
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 19:35:02
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Calibration / Dichlorodifluoromethane

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

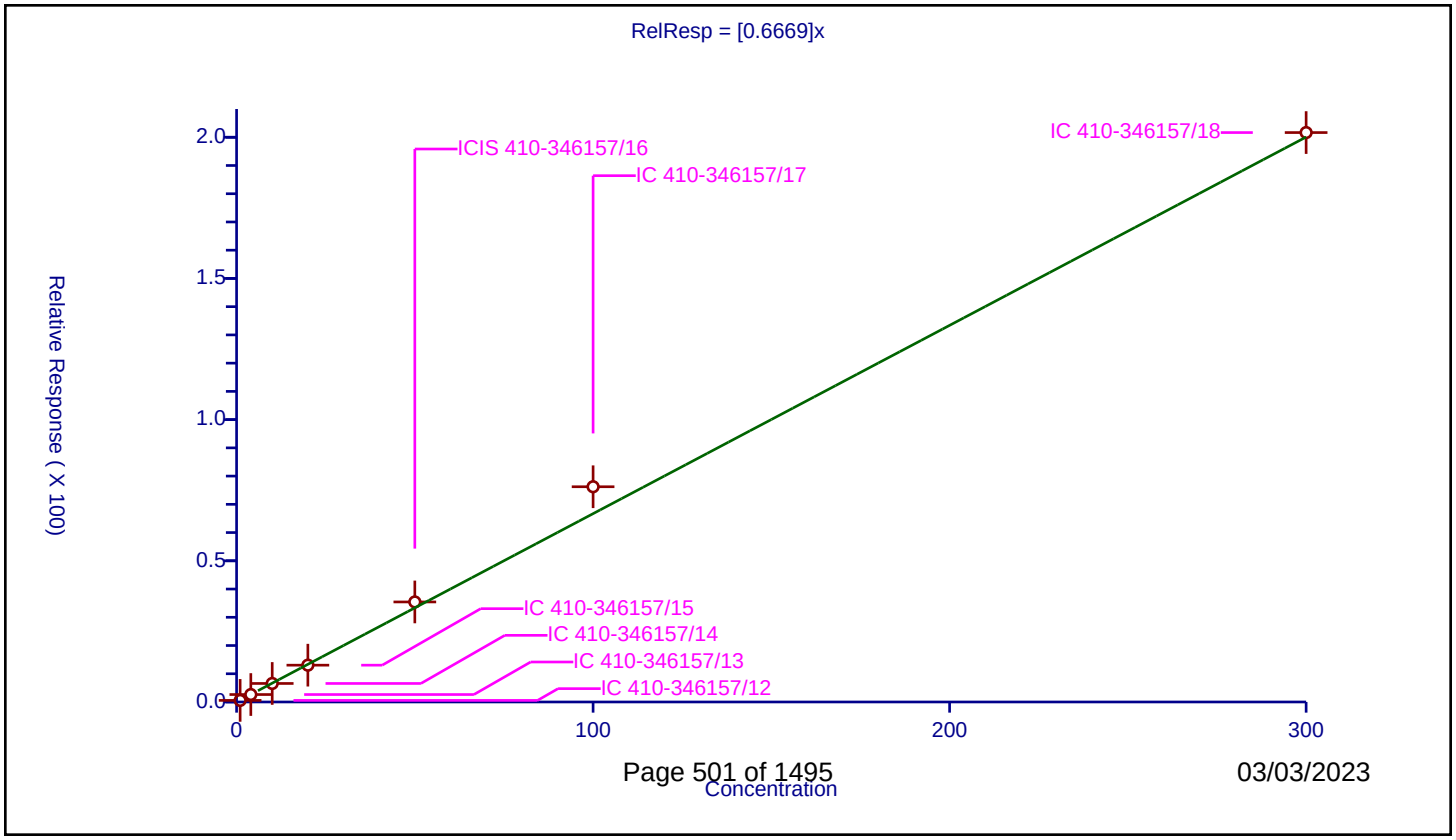
Curve Coefficients

Intercept:	0
Slope:	0.6669

Error Coefficients

Standard Error:	2290000
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 410-346157/12	1.0	0.557733	50.0	1200933.0	0.557733	Y
2	IC 410-346157/13	4.0	2.638019	50.0	1229483.0	0.659505	Y
3	IC 410-346157/14	10.0	6.561665	50.0	1190643.0	0.656166	Y
4	IC 410-346157/15	20.0	13.038183	50.0	1241979.0	0.651909	Y
5	ICIS 410-346157/16	50.0	35.432867	50.0	1238950.0	0.708657	Y
6	IC 410-346157/17	100.0	76.22221	50.0	1212087.0	0.762222	Y
7	IC 410-346157/18	300.0	201.658023	50.0	1292141.0	0.672193	Y



Calibration / Chloromethane

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

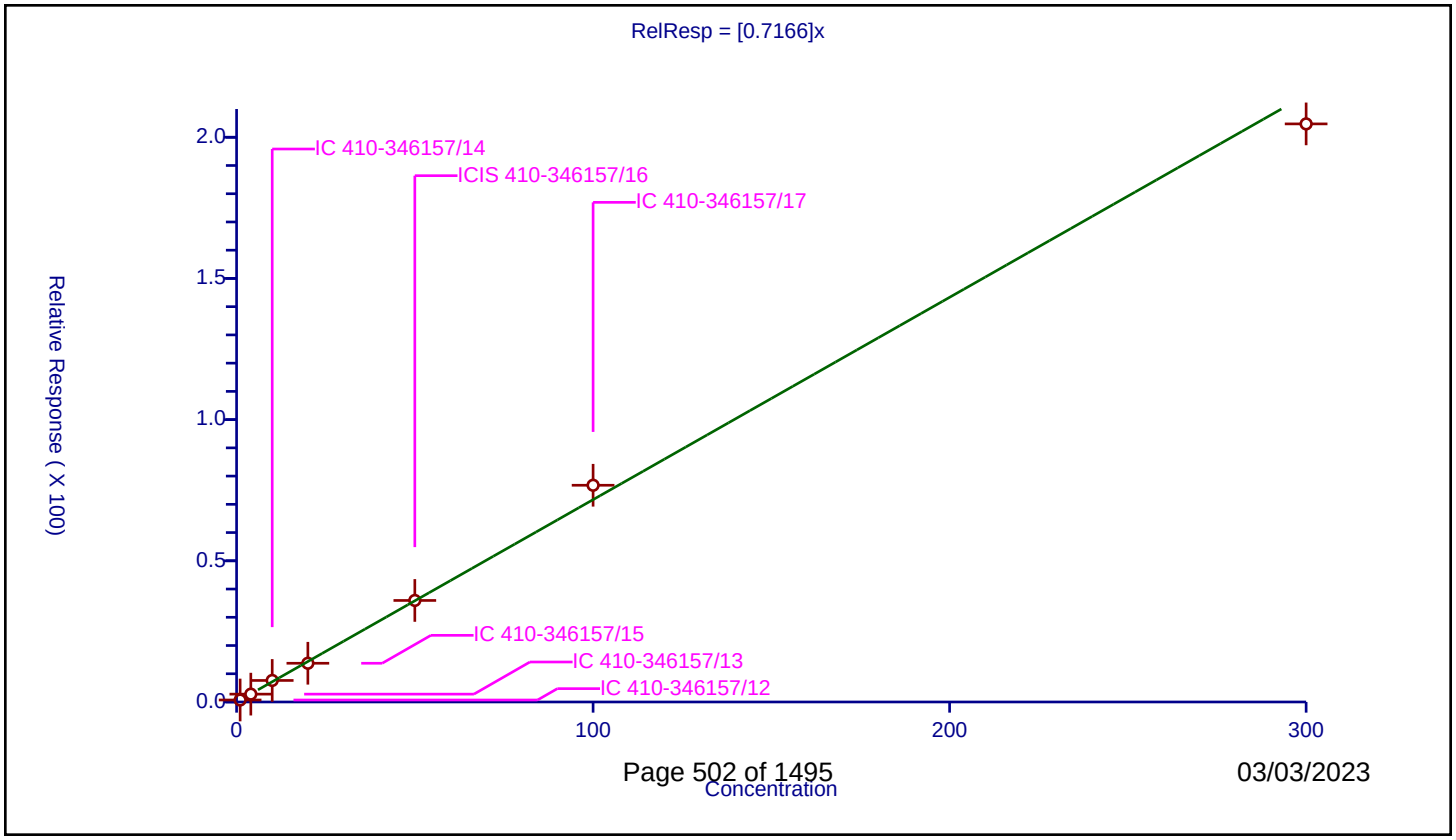
Curve Coefficients

Intercept:	0
Slope:	0.7166

Error Coefficients

Standard Error:	2320000
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 410-346157/12	1.0	0.701871	50.0	1200933.0	0.701871	Y
2	IC 410-346157/13	4.0	2.783528	50.0	1229483.0	0.695882	Y
3	IC 410-346157/14	10.0	7.629449	50.0	1190643.0	0.762945	Y
4	IC 410-346157/15	20.0	13.72016	50.0	1241979.0	0.686008	Y
5	ICIS 410-346157/16	50.0	35.962105	50.0	1238950.0	0.719242	Y
6	IC 410-346157/17	100.0	76.757155	50.0	1212087.0	0.767572	Y
7	IC 410-346157/18	300.0	204.728277	50.0	1292141.0	0.682428	Y



03/03/2023

Calibration / Vinyl chloride

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

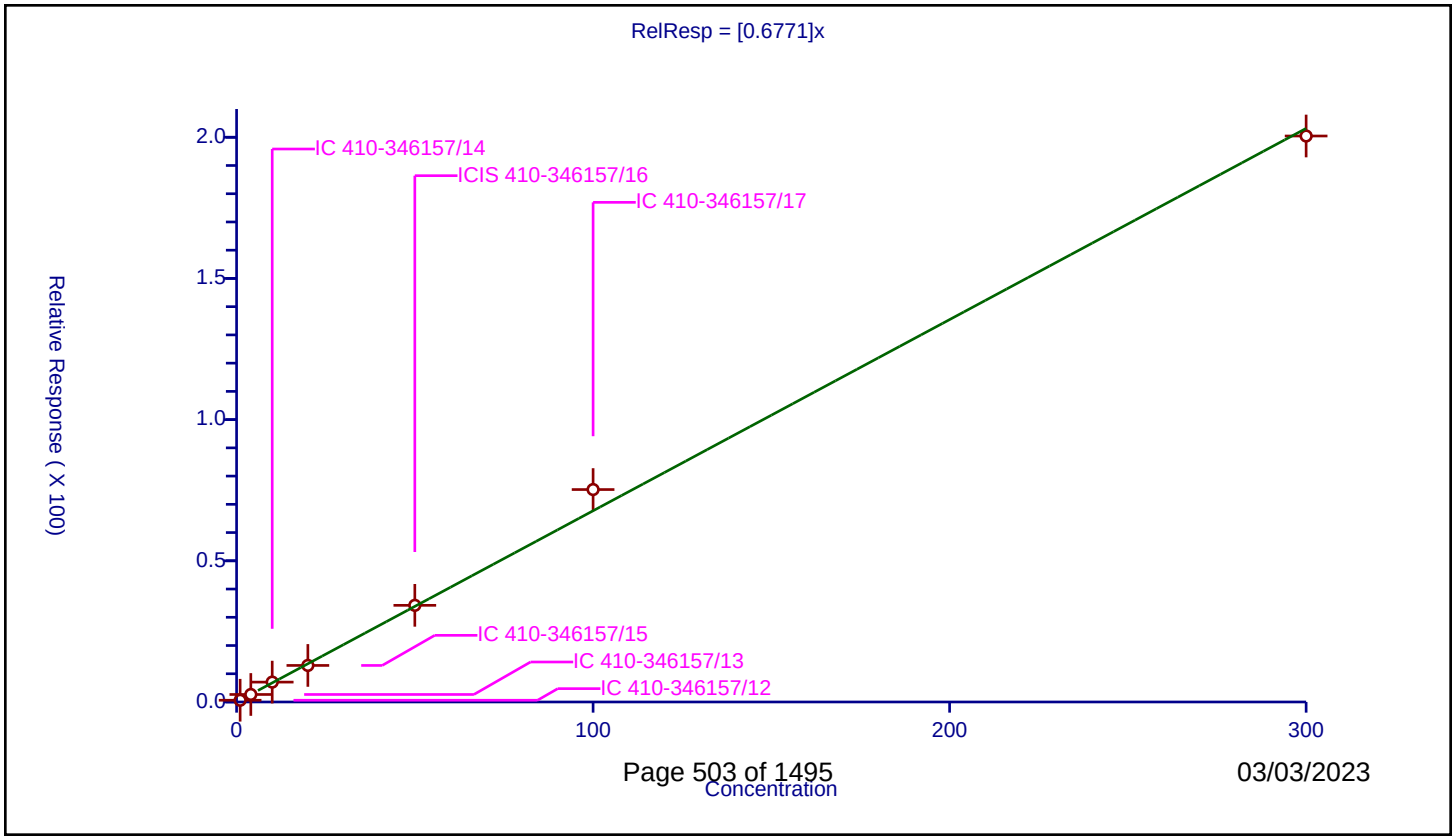
Curve Coefficients

Intercept:	0
Slope:	0.6771

Error Coefficients

Standard Error:	2270000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.618144	50.0	1200933.0	0.618144	Y
2	IC 410-346157/13	4.0	2.661322	50.0	1229483.0	0.66533	Y
3	IC 410-346157/14	10.0	7.041951	50.0	1190643.0	0.704195	Y
4	IC 410-346157/15	20.0	12.940315	50.0	1241979.0	0.647016	Y
5	ICIS 410-346157/16	50.0	34.23193	50.0	1238950.0	0.684639	Y
6	IC 410-346157/17	100.0	75.23111	50.0	1212087.0	0.752311	Y
7	IC 410-346157/18	300.0	200.443566	50.0	1292141.0	0.668145	Y



Calibration / Butadiene

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

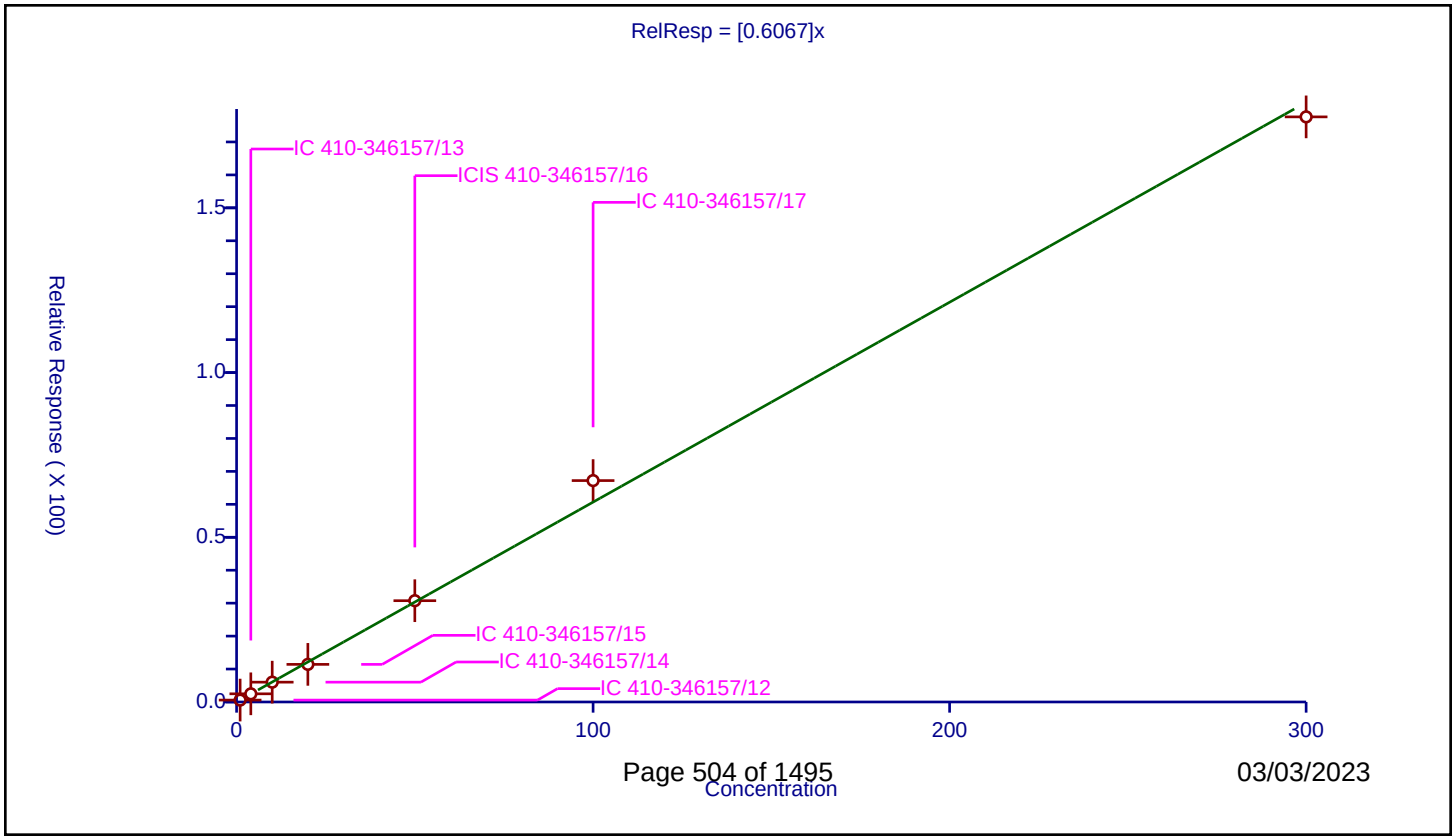
Curve Coefficients

Intercept:	0
Slope:	0.6067

Error Coefficients

Standard Error:	2020000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.575927	50.0	1200933.0	0.575927	Y
2	IC 410-346157/13	4.0	2.476935	50.0	1229483.0	0.619234	Y
3	IC 410-346157/14	10.0	6.018009	50.0	1190643.0	0.601801	Y
4	IC 410-346157/15	20.0	11.42161	50.0	1241979.0	0.571081	Y
5	ICIS 410-346157/16	50.0	30.749385	50.0	1238950.0	0.614988	Y
6	IC 410-346157/17	100.0	67.204912	50.0	1212087.0	0.672049	Y
7	IC 410-346157/18	300.0	177.615485	50.0	1292141.0	0.592052	Y



Calibration / Bromomethane

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

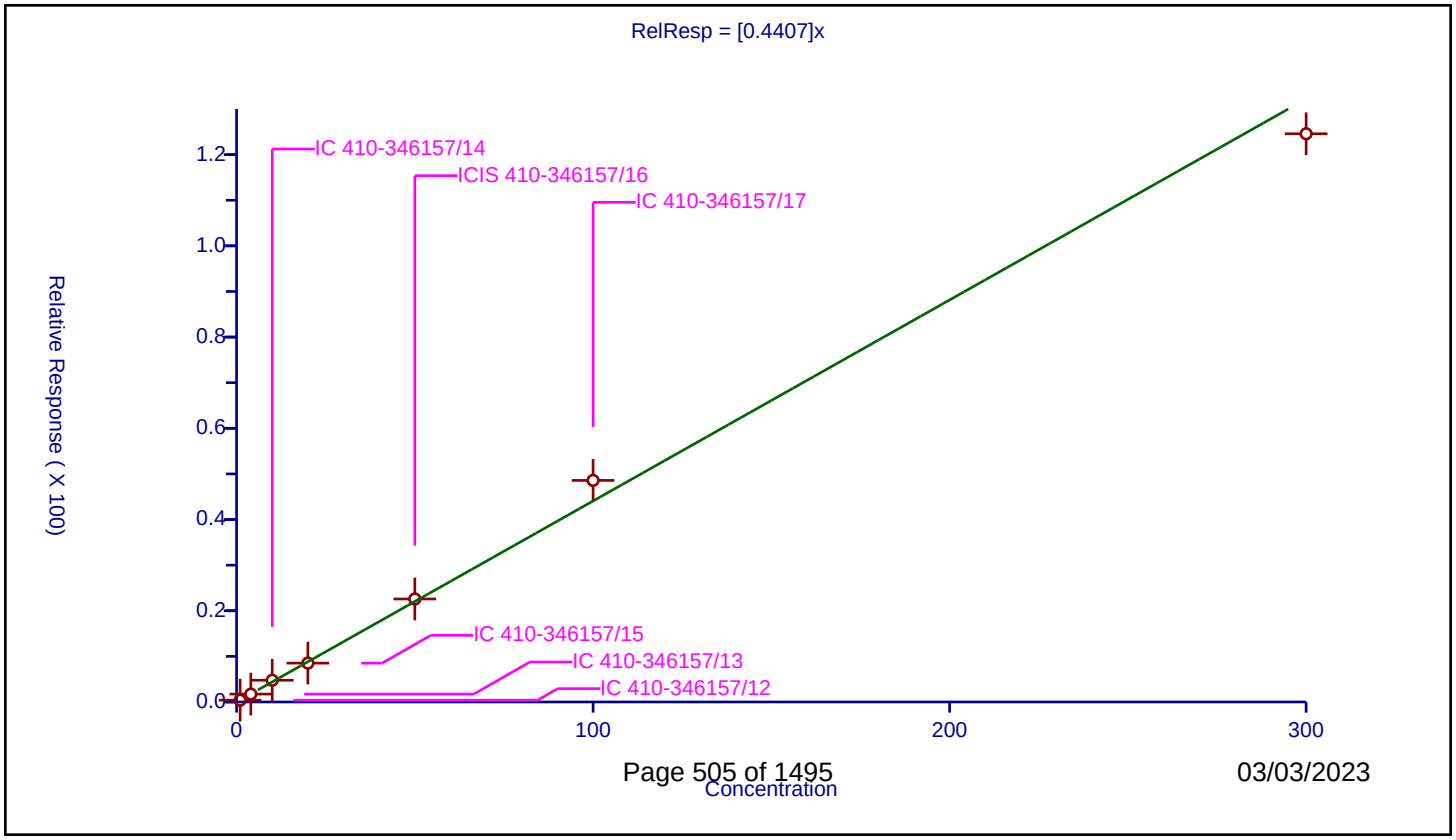
Curve Coefficients

Intercept:	0
Slope:	0.4407

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	7.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.395776	50.0	1200933.0	0.395776	Y
2	IC 410-346157/13	4.0	1.735567	50.0	1229483.0	0.433892	Y
3	IC 410-346157/14	10.0	4.765282	50.0	1190643.0	0.476528	Y
4	IC 410-346157/15	20.0	8.519548	50.0	1241979.0	0.425977	Y
5	ICIS 410-346157/16	50.0	22.58037	50.0	1238950.0	0.451607	Y
6	IC 410-346157/17	100.0	48.57832	50.0	1212087.0	0.485783	Y
7	IC 410-346157/18	300.0	124.57197	50.0	1292141.0	0.41524	Y



03/03/2023

Calibration / Chloroethane

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

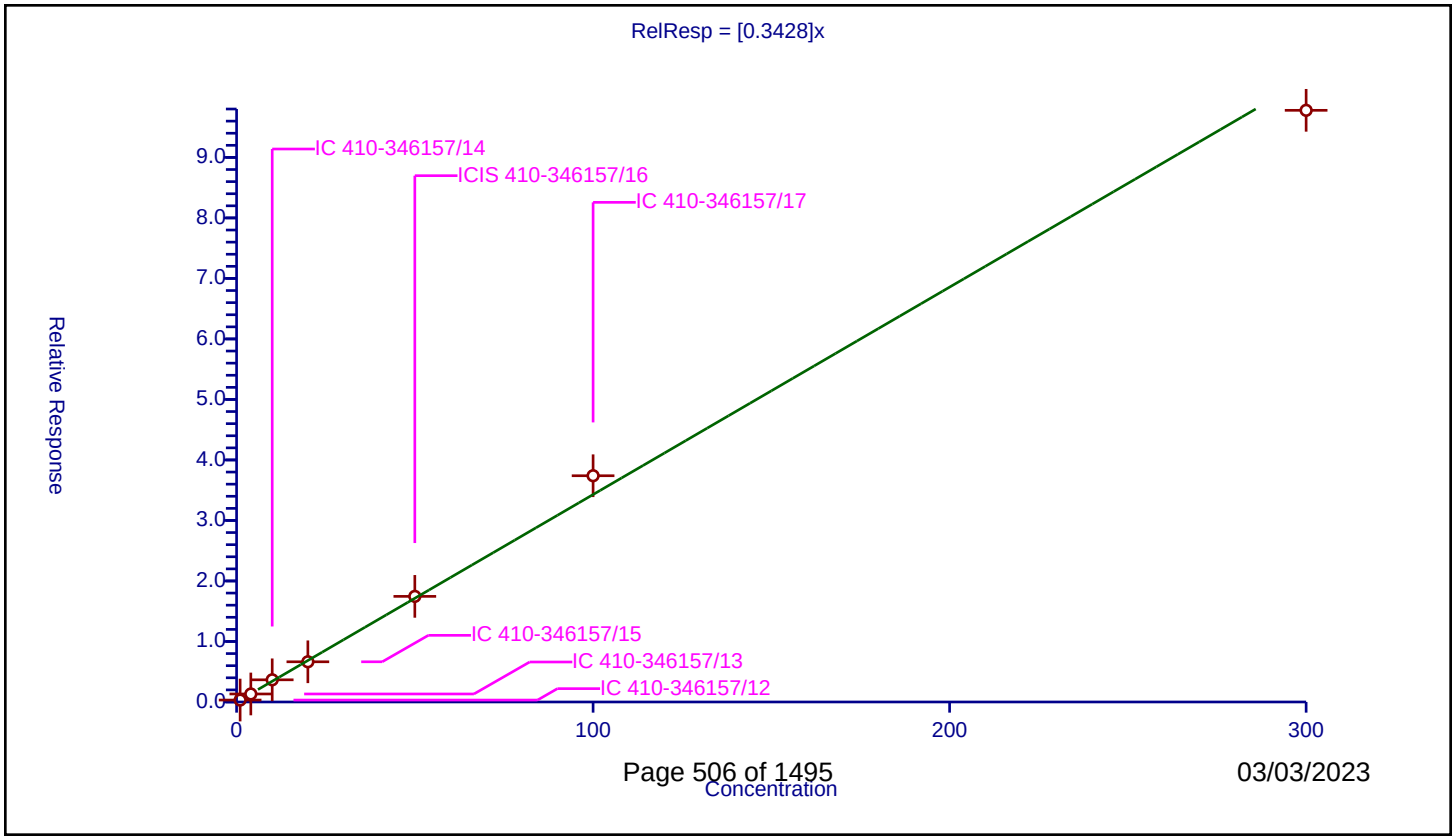
Curve Coefficients

Intercept:	0
Slope:	0.3428

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.321084	50.0	1200933.0	0.321084	Y
2	IC 410-346157/13	4.0	1.323686	50.0	1229483.0	0.330922	Y
3	IC 410-346157/14	10.0	3.66596	50.0	1190643.0	0.366596	Y
4	IC 410-346157/15	20.0	6.644114	50.0	1241979.0	0.332206	Y
5	ICIS 410-346157/16	50.0	17.455063	50.0	1238950.0	0.349101	Y
6	IC 410-346157/17	100.0	37.394222	50.0	1212087.0	0.373942	Y
7	IC 410-346157/18	300.0	97.784259	50.0	1292141.0	0.325948	Y



Calibration / Dichlorofluoromethane

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

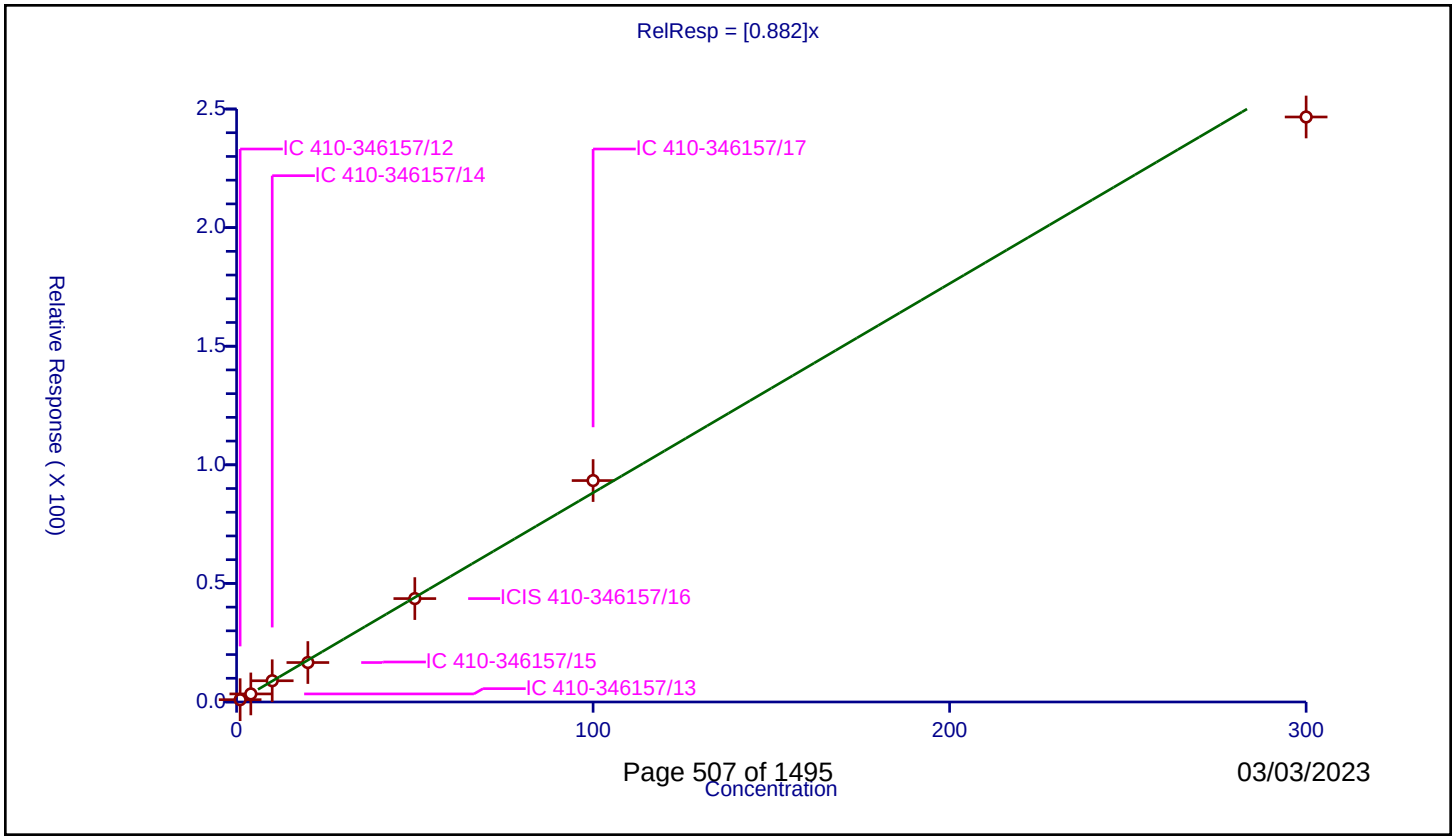
Curve Coefficients

Intercept:	0
Slope:	0.882

Error Coefficients

Standard Error:	2800000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.96858	50.0	1200933.0	0.96858	Y
2	IC 410-346157/13	4.0	3.403666	50.0	1229483.0	0.850917	Y
3	IC 410-346157/14	10.0	8.957849	50.0	1190643.0	0.895785	Y
4	IC 410-346157/15	20.0	16.630354	50.0	1241979.0	0.831518	Y
5	ICIS 410-346157/16	50.0	43.591025	50.0	1238950.0	0.87182	Y
6	IC 410-346157/17	100.0	93.359264	50.0	1212087.0	0.933593	Y
7	IC 410-346157/18	300.0	246.637093	50.0	1292141.0	0.822124	Y



Calibration / Trichlorofluoromethane

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

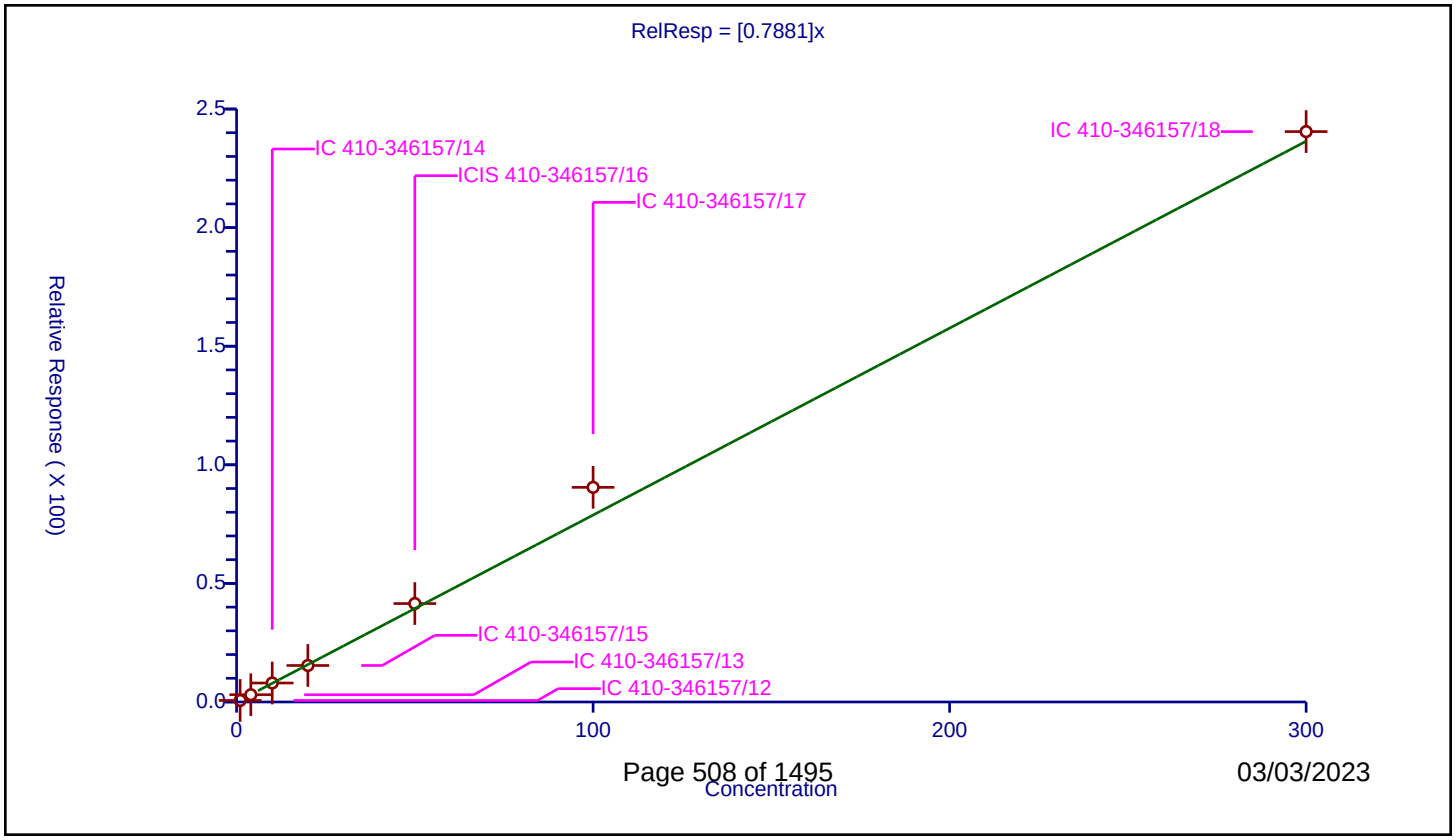
Curve Coefficients

Intercept:	0
Slope:	0.7881

Error Coefficients

Standard Error:	2730000
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 410-346157/12	1.0	0.643749	50.0	1200933.0	0.643749	Y
2	IC 410-346157/13	4.0	3.065679	50.0	1229483.0	0.76642	Y
3	IC 410-346157/14	10.0	8.002819	50.0	1190643.0	0.800282	Y
4	IC 410-346157/15	20.0	15.388183	50.0	1241979.0	0.769409	Y
5	ICIS 410-346157/16	50.0	41.505267	50.0	1238950.0	0.830105	Y
6	IC 410-346157/17	100.0	90.489255	50.0	1212087.0	0.904893	Y
7	IC 410-346157/18	300.0	240.474646	50.0	1292141.0	0.801582	Y



Calibration / Pentane

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

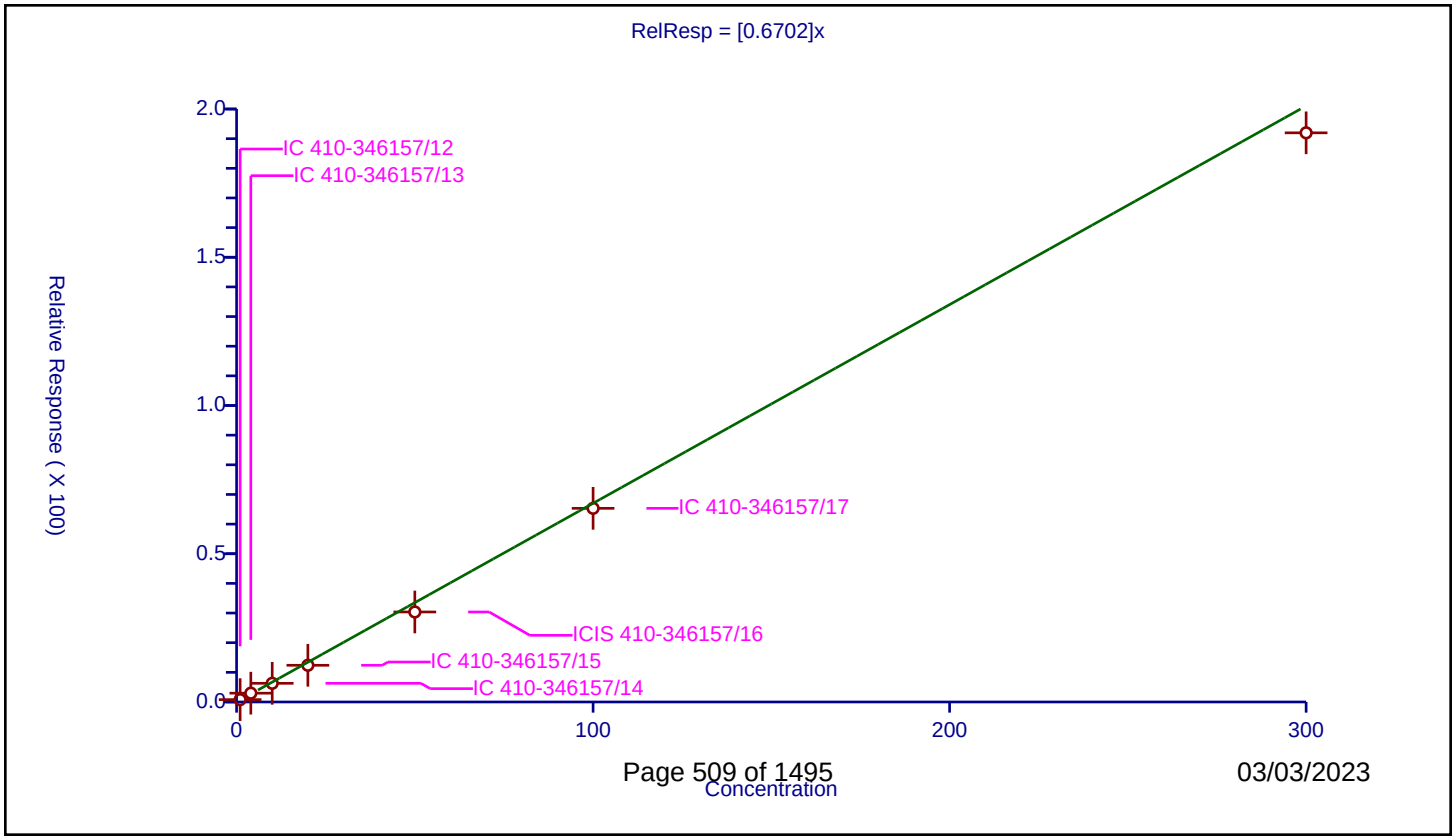
Curve Coefficients

Intercept:	0
Slope:	0.6702

Error Coefficients

Standard Error:	2150000
Relative Standard Error:	10.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.797588	50.0	1200933.0	0.797588	Y
2	IC 410-346157/13	4.0	2.97682	50.0	1229483.0	0.744205	Y
3	IC 410-346157/14	10.0	6.298613	50.0	1190643.0	0.629861	Y
4	IC 410-346157/15	20.0	12.384106	50.0	1241979.0	0.619205	Y
5	ICIS 410-346157/16	50.0	30.358207	50.0	1238950.0	0.607164	Y
6	IC 410-346157/17	100.0	65.320847	50.0	1212087.0	0.653208	Y
7	IC 410-346157/18	300.0	191.965389	50.0	1292141.0	0.639885	Y



Calibration / Ethyl ether

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

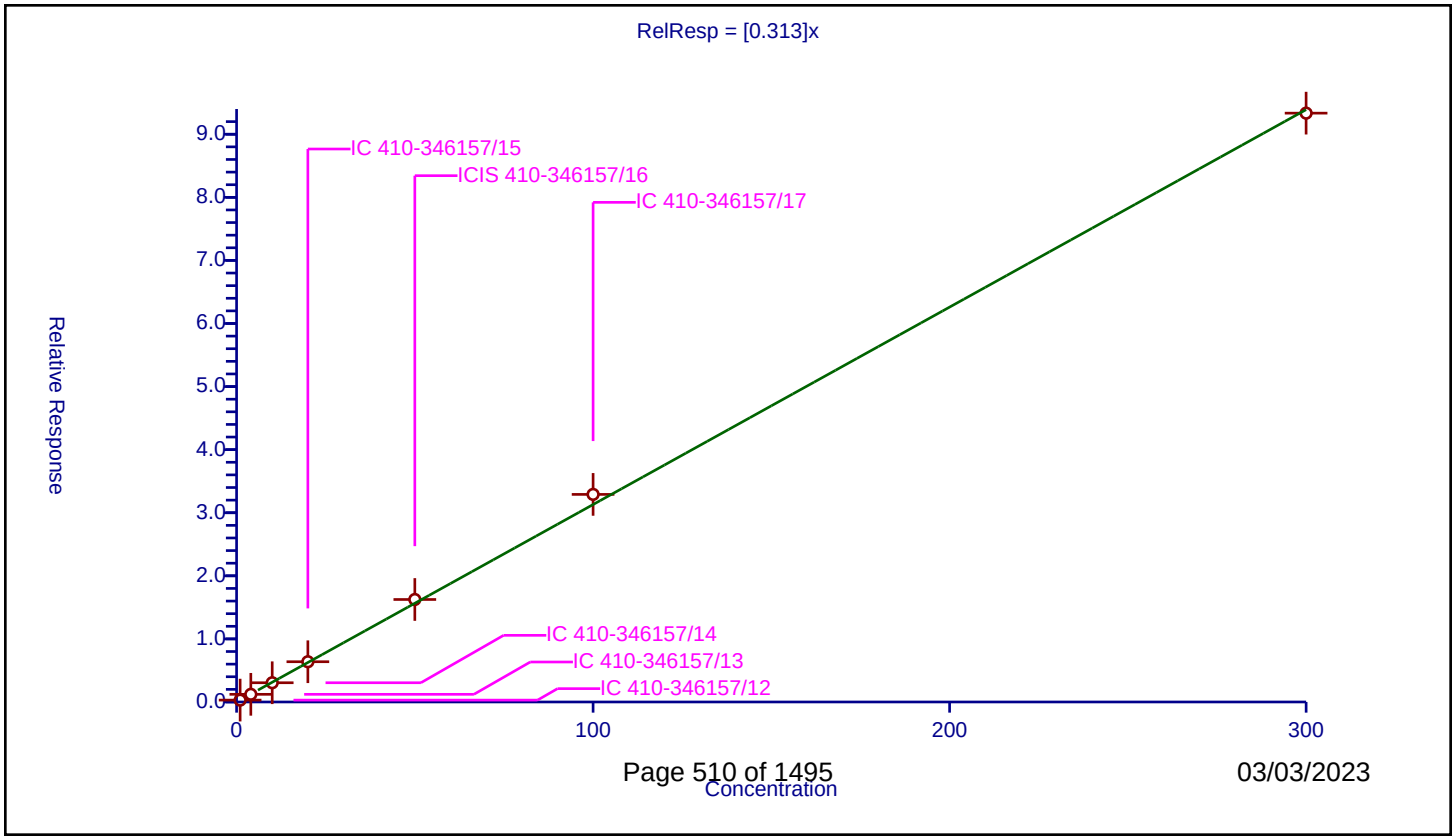
Curve Coefficients

Intercept:	0
Slope:	0.313

Error Coefficients

Standard Error:	1050000
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 410-346157/12	0.999992	0.298102	50.0	1200933.0	0.298104	Y
2	IC 410-346157/13	3.99997	1.215226	50.0	1229483.0	0.303809	Y
3	IC 410-346157/14	9.999924	3.048563	50.0	1190643.0	0.304859	Y
4	IC 410-346157/15	19.999848	6.379415	50.0	1241979.0	0.318973	Y
5	ICIS 410-346157/16	49.99962	16.248315	50.0	1238950.0	0.324969	Y
6	IC 410-346157/17	99.99924	32.909271	50.0	1212087.0	0.329095	Y
7	IC 410-346157/18	299.99772	93.344999	50.0	1292141.0	0.311152	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

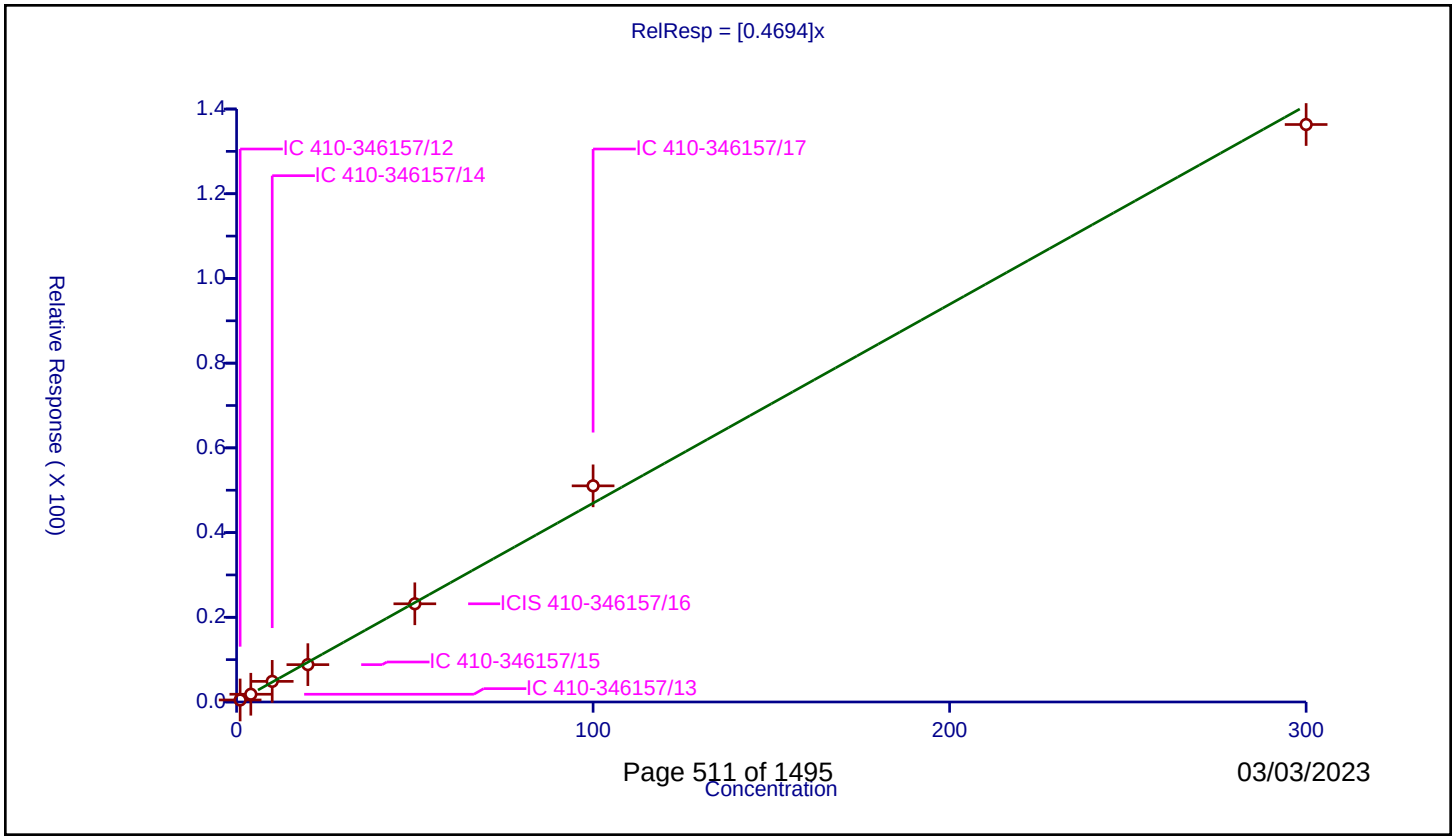
Curve Coefficients

Intercept:	0
Slope:	0.4694

Error Coefficients

Standard Error:	1550000
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 410-346157/12	1.0	0.472299	50.0	1200933.0	0.472299	Y
2	IC 410-346157/13	4.0	1.828736	50.0	1229483.0	0.457184	Y
3	IC 410-346157/14	10.0	4.872451	50.0	1190643.0	0.487245	Y
4	IC 410-346157/15	20.0	8.81754	50.0	1241979.0	0.440877	Y
5	ICIS 410-346157/16	50.0	23.185964	50.0	1238950.0	0.463719	Y
6	IC 410-346157/17	100.0	51.029918	50.0	1212087.0	0.510299	Y
7	IC 410-346157/18	300.0	136.342009	50.0	1292141.0	0.454473	Y



Calibration / Acrolein

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

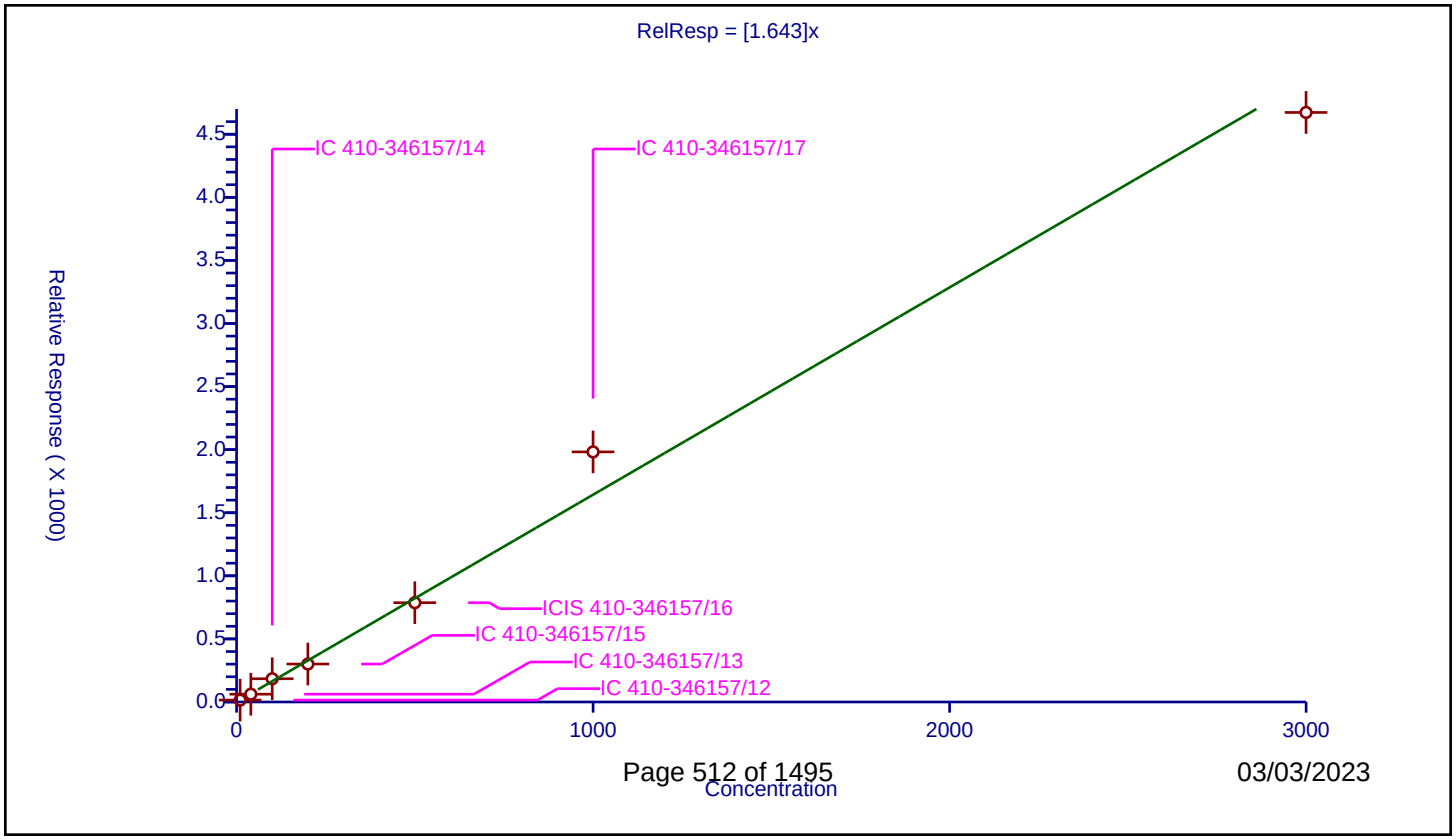
Curve Coefficients

Intercept:	0
Slope:	1.643

Error Coefficients

Standard Error:	5950000
Relative Standard Error:	11.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	9.999352	14.925357	250.0	677153.0	1.492632	Y
2	IC 410-346157/13	39.997407	61.837886	250.0	641128.0	1.546047	Y
3	IC 410-346157/14	99.993517	184.261349	250.0	579929.0	1.842733	Y
4	IC 410-346157/15	199.987035	300.977632	250.0	687017.0	1.504986	Y
5	ICIS 410-346157/16	499.967587	787.091247	250.0	693297.0	1.574285	Y
6	IC 410-346157/17	999.935173	1982.370185	250.0	565264.0	1.982499	Y
7	IC 410-346157/18	2999.80552	4672.703578	250.0	731279.0	1.557669	Y



Calibration / 1,1-Dichloroethene

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

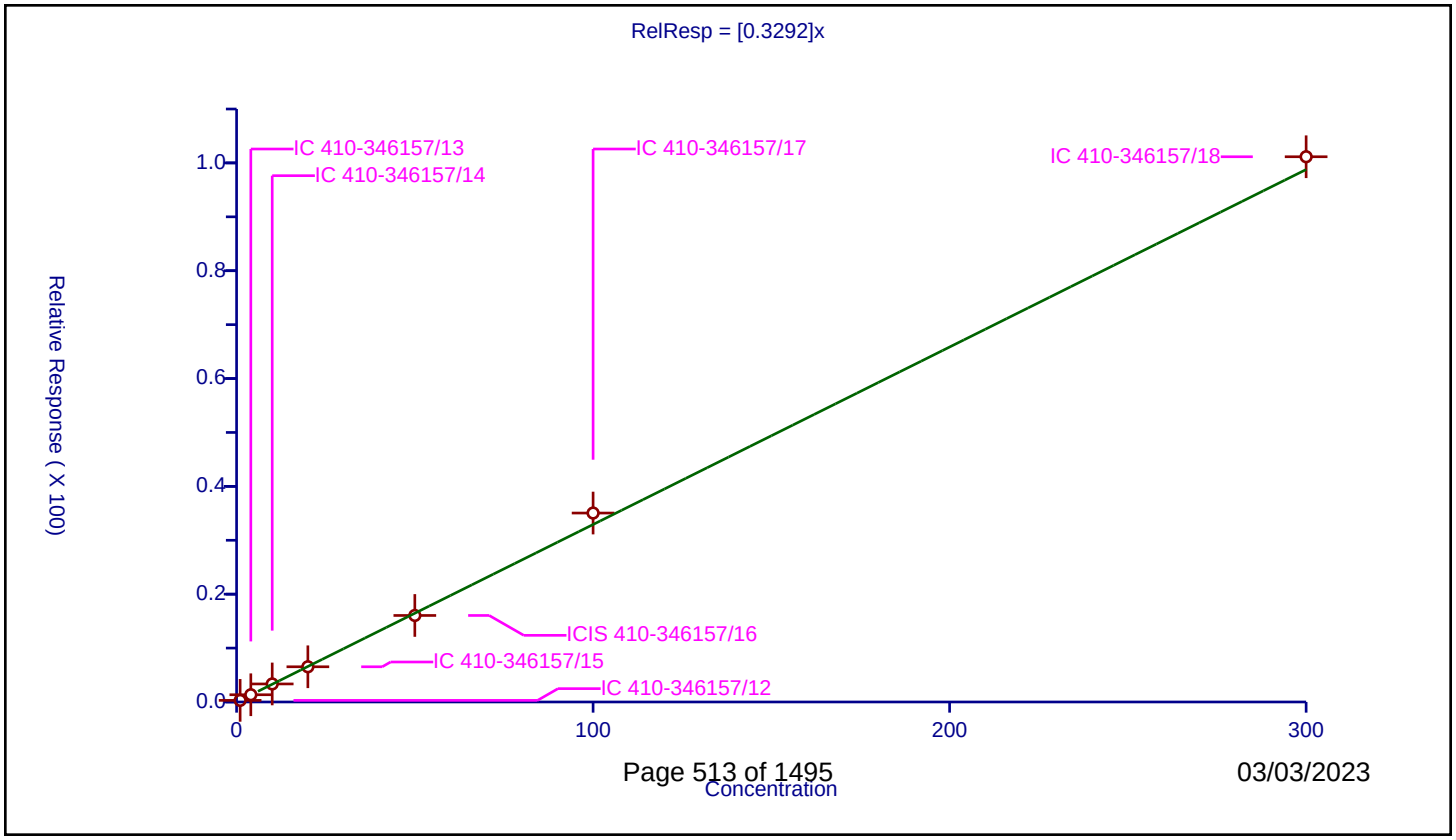
Curve Coefficients

Intercept:	0
Slope:	0.3292

Error Coefficients

Standard Error:	1140000
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 410-346157/12	1.0	0.298976	50.0	1200933.0	0.298976	Y
2	IC 410-346157/13	4.0	1.343573	50.0	1229483.0	0.335893	Y
3	IC 410-346157/14	10.0	3.346133	50.0	1190643.0	0.334613	Y
4	IC 410-346157/15	20.0	6.530424	50.0	1241979.0	0.326521	Y
5	ICIS 410-346157/16	50.0	16.051011	50.0	1238950.0	0.32102	Y
6	IC 410-346157/17	100.0	35.051486	50.0	1212087.0	0.350515	Y
7	IC 410-346157/18	300.0	101.146508	50.0	1292141.0	0.337155	Y



Calibration / Acetone

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

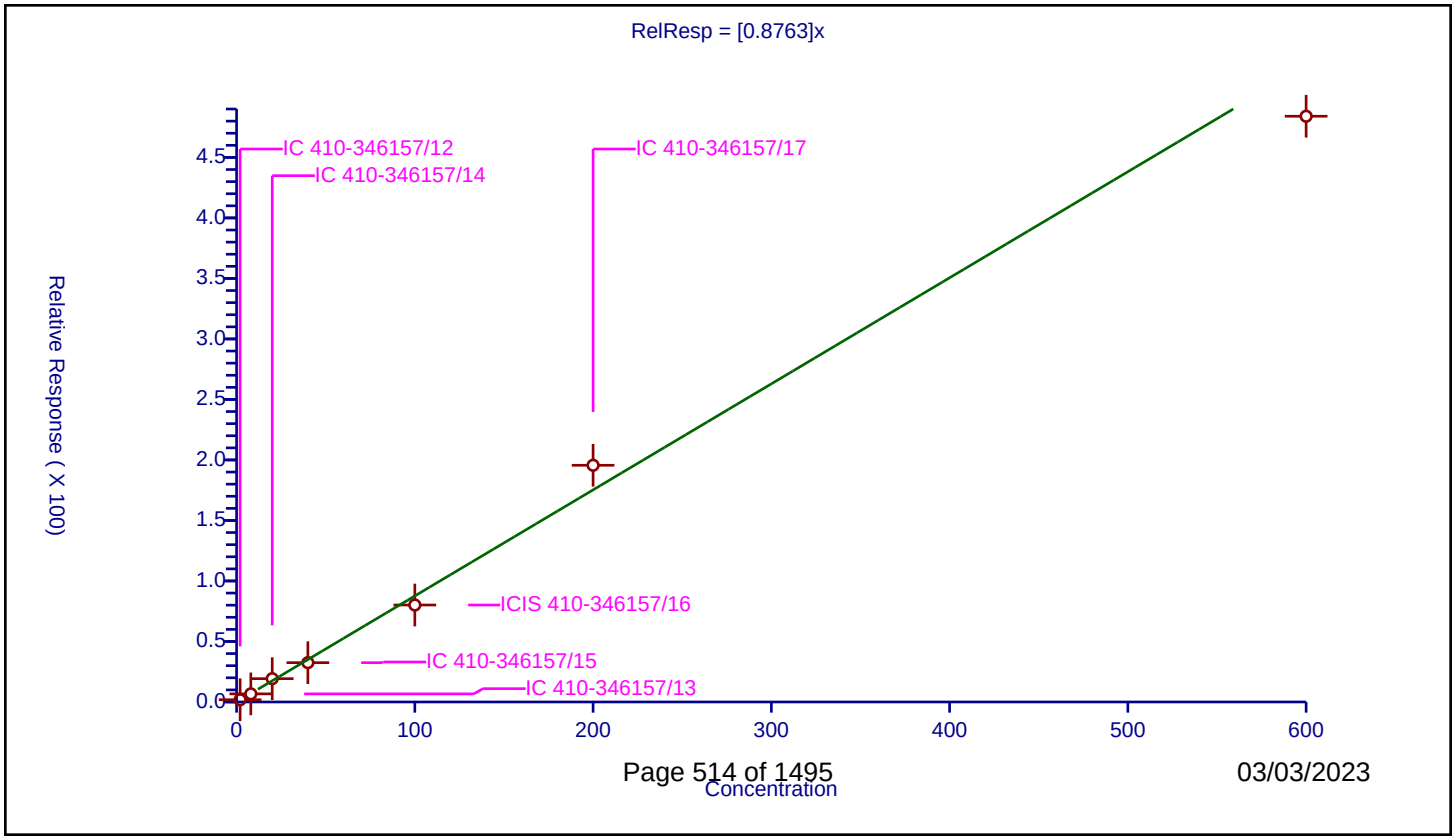
Curve Coefficients

Intercept:	0
Slope:	0.8763

Error Coefficients

Standard Error:	613000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	2.0	1.867746	250.0	677153.0	0.933873	Y
2	IC 410-346157/13	8.0	6.714338	250.0	641128.0	0.839292	Y
3	IC 410-346157/14	20.0	19.260116	250.0	579929.0	0.963006	Y
4	IC 410-346157/15	40.0	32.482457	250.0	687017.0	0.812061	Y
5	ICIS 410-346157/16	100.0	80.138815	250.0	693297.0	0.801388	Y
6	IC 410-346157/17	200.0	195.61037	250.0	565264.0	0.978052	Y
7	IC 410-346157/18	600.0	484.024565	250.0	731279.0	0.806708	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

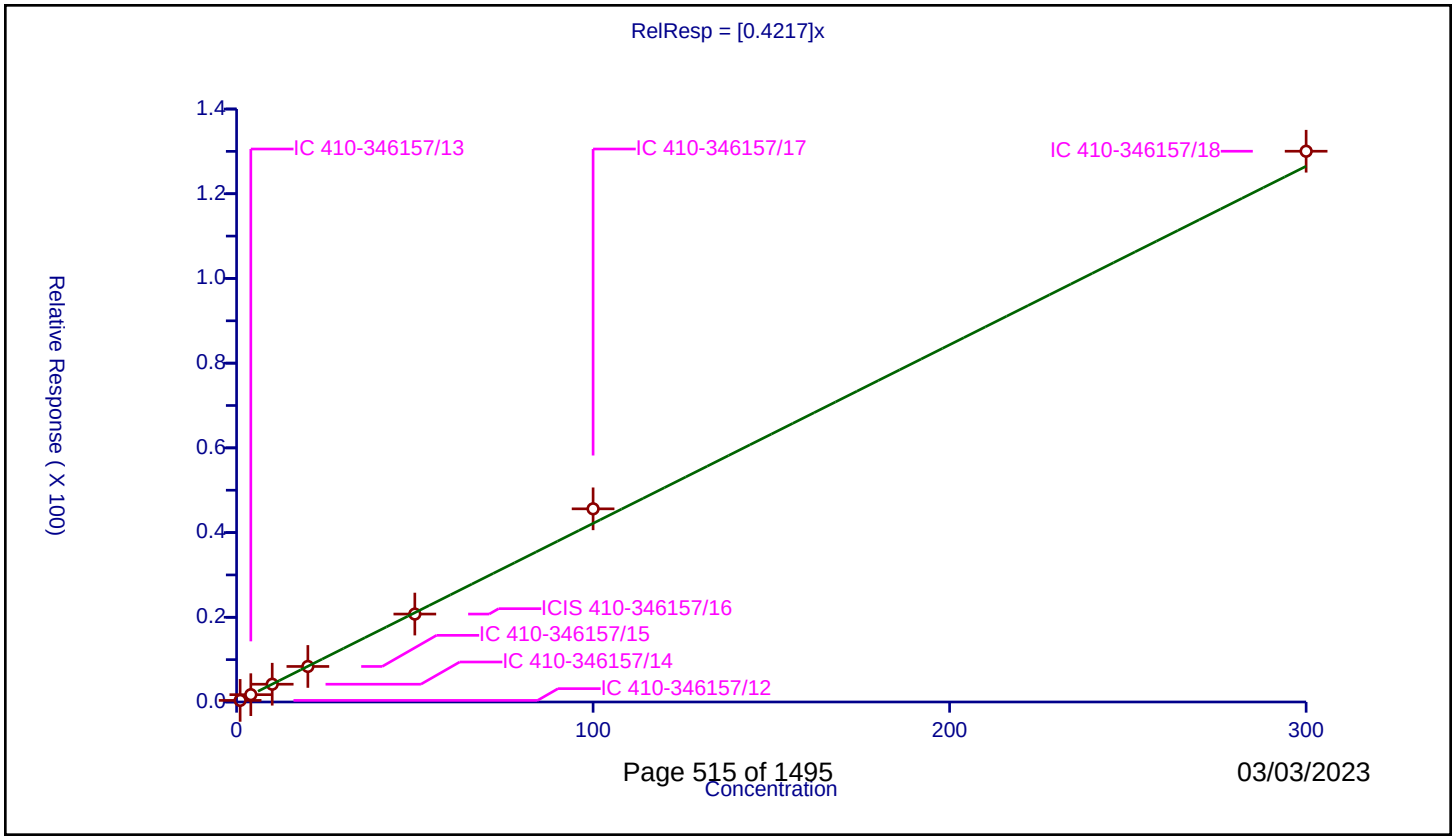
Curve Coefficients

Intercept:	0
Slope:	0.4217

Error Coefficients

Standard Error:	1460000
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 410-346157/12	1.0	0.375208	50.0	1200933.0	0.375208	Y
2	IC 410-346157/13	4.0	1.731256	50.0	1229483.0	0.432814	Y
3	IC 410-346157/14	10.0	4.196178	50.0	1190643.0	0.419618	Y
4	IC 410-346157/15	20.0	8.386575	50.0	1241979.0	0.419329	Y
5	ICIS 410-346157/16	50.0	20.758424	50.0	1238950.0	0.415168	Y
6	IC 410-346157/17	100.0	45.601718	50.0	1212087.0	0.456017	Y
7	IC 410-346157/18	300.0	130.031939	50.0	1292141.0	0.43344	Y



Calibration / Isopropyl alcohol

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

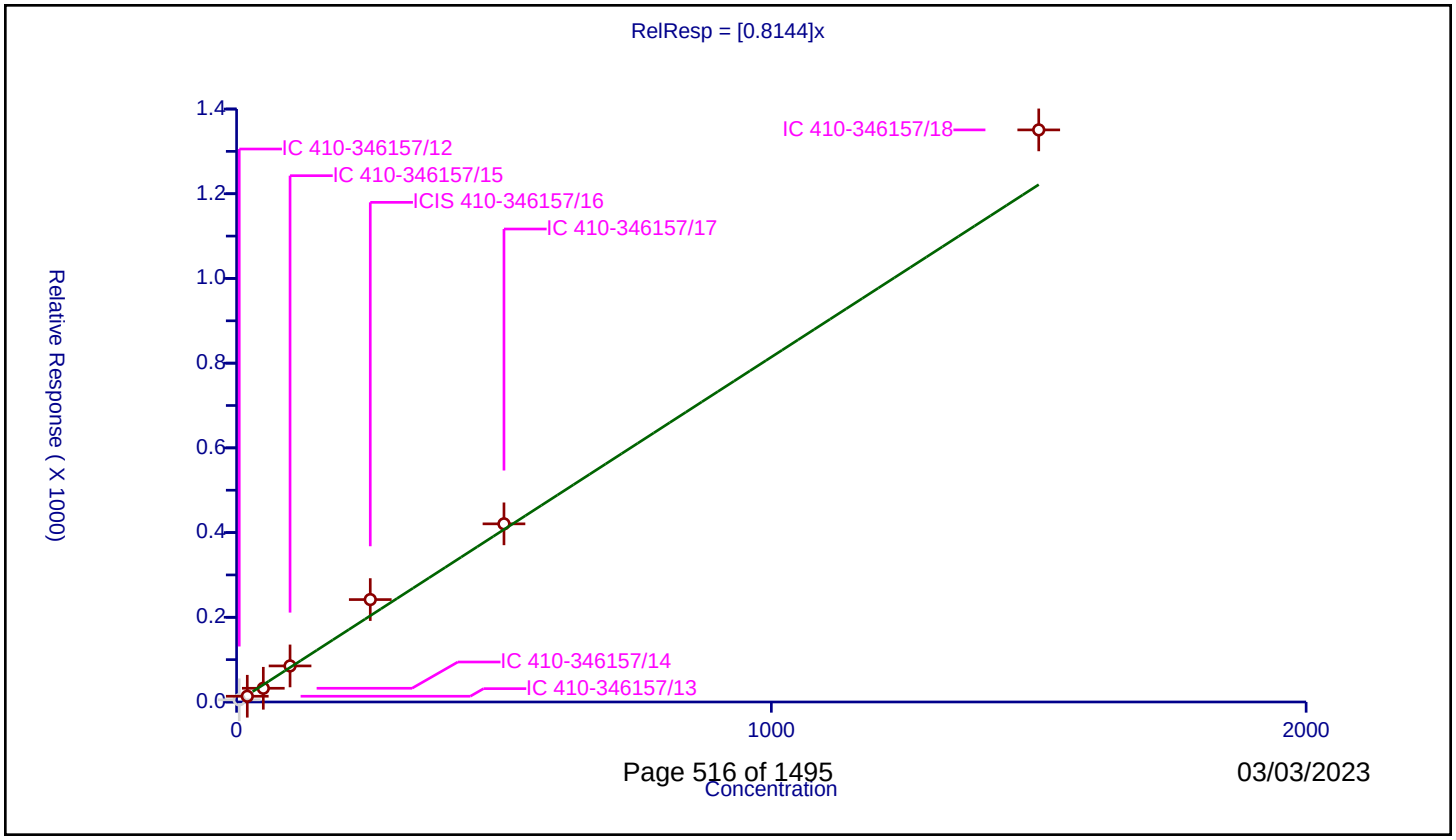
Curve Coefficients

Intercept:	0
Slope:	0.8144

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	15.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	5.0	5.119596	250.0	677153.0	1.023919	N
2	IC 410-346157/13	20.0	13.560085	250.0	641128.0	0.678004	Y
3	IC 410-346157/14	50.0	32.388879	250.0	579929.0	0.647778	Y
4	IC 410-346157/15	100.0	85.148184	250.0	687017.0	0.851482	Y
5	ICIS 410-346157/16	250.0	241.807263	250.0	693297.0	0.967229	Y
6	IC 410-346157/17	500.0	420.591971	250.0	565264.0	0.841184	Y
7	IC 410-346157/18	1500.0	1350.678742	250.0	731279.0	0.900452	Y



Calibration / Iodomethane

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

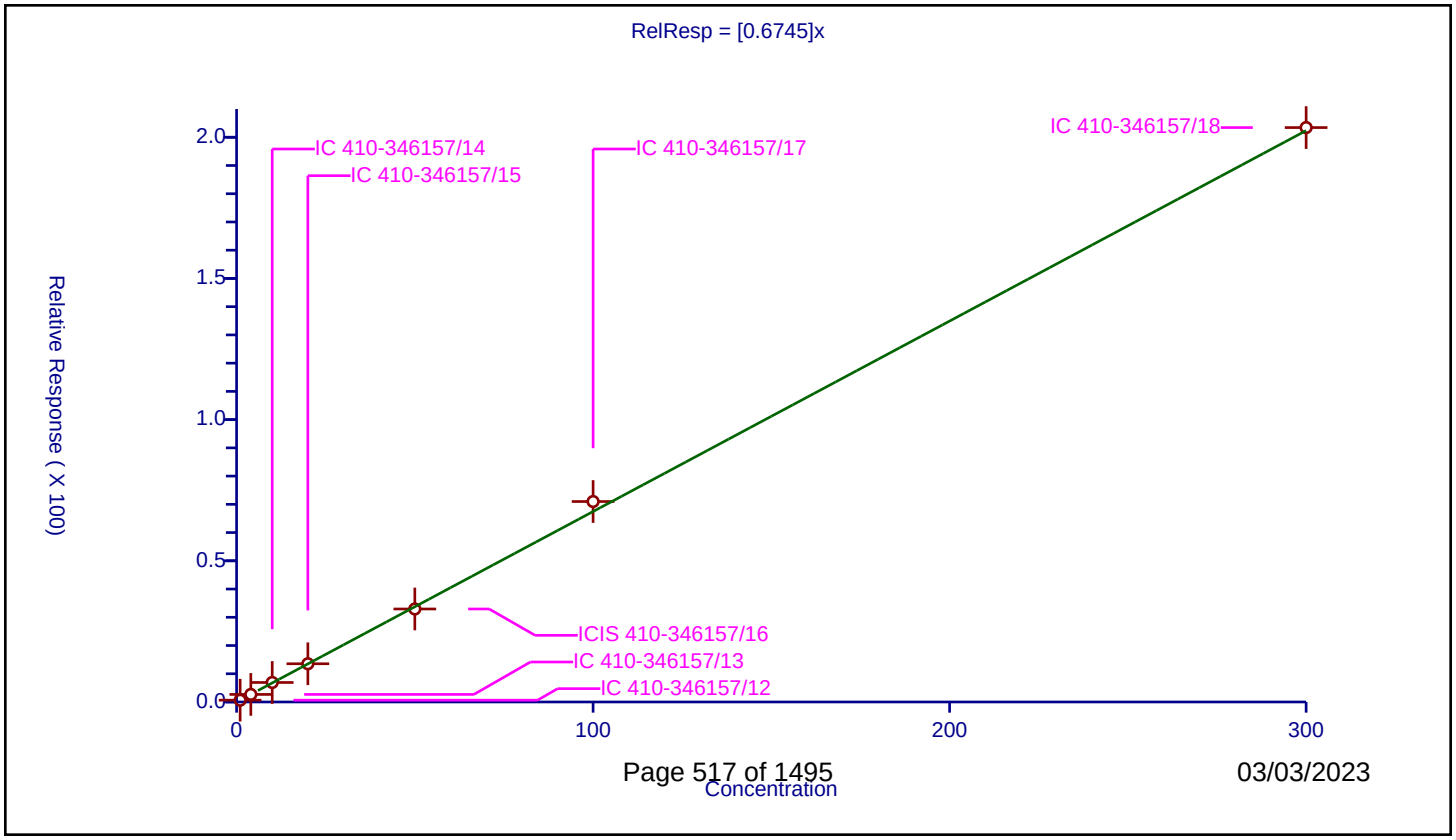
Curve Coefficients

Intercept:	0
Slope:	0.6745

Error Coefficients

Standard Error:	2290000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.637171	50.0	1200933.0	0.637171	Y
2	IC 410-346157/13	4.0	2.678362	50.0	1229483.0	0.66959	Y
3	IC 410-346157/14	10.0	6.911434	50.0	1190643.0	0.691143	Y
4	IC 410-346157/15	20.0	13.537991	50.0	1241979.0	0.6769	Y
5	ICIS 410-346157/16	50.0	32.936801	50.0	1238950.0	0.658736	Y
6	IC 410-346157/17	100.0	70.990449	50.0	1212087.0	0.709904	Y
7	IC 410-346157/18	300.0	203.424936	50.0	1292141.0	0.678083	Y



03/03/2023

Calibration / Carbon disulfide

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

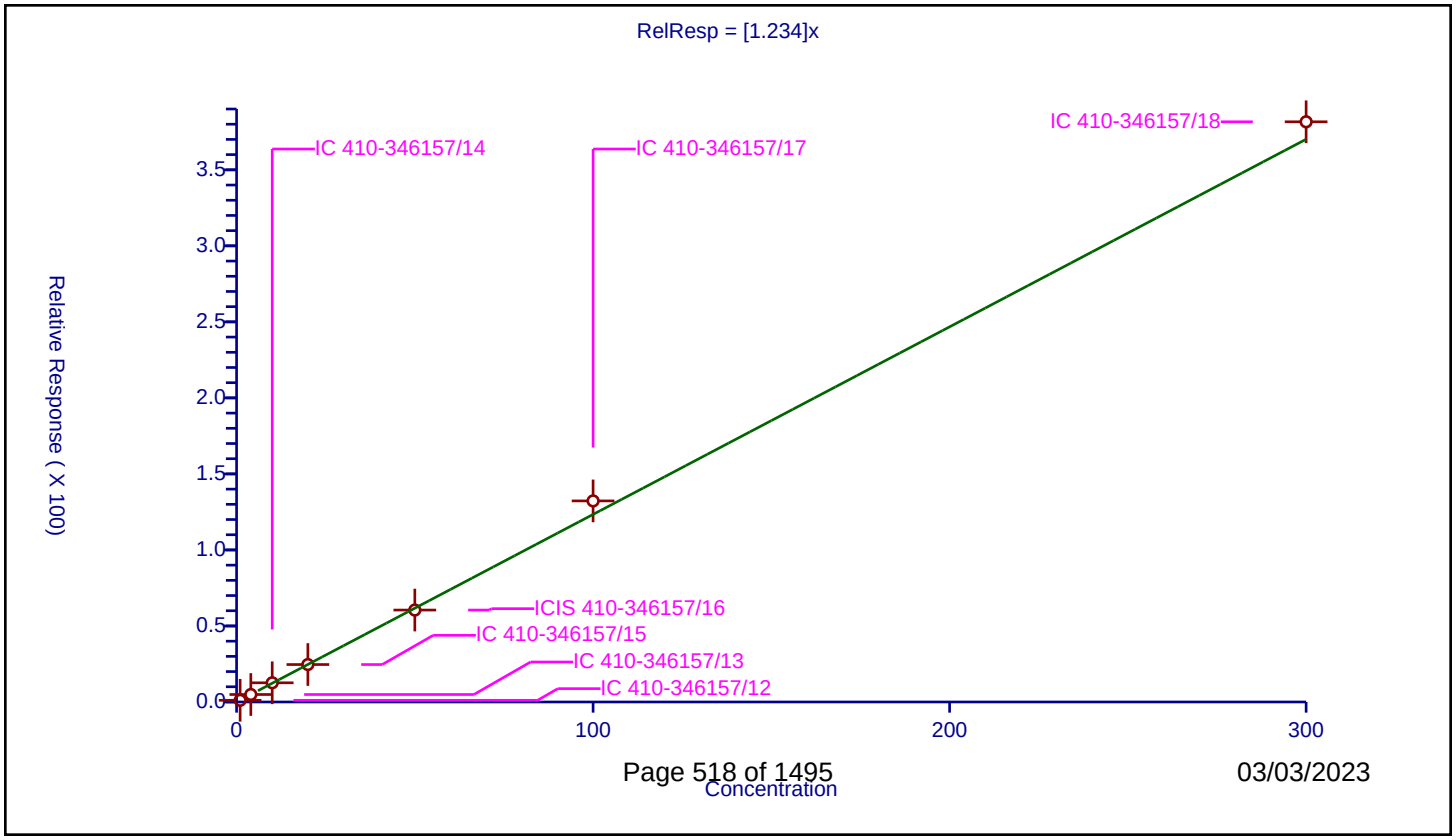
Curve Coefficients

Intercept:	0
Slope:	1.234

Error Coefficients

Standard Error:	4290000
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 410-346157/12	1.0	1.108805	50.0	1200933.0	1.108805	Y
2	IC 410-346157/13	4.0	4.918327	50.0	1229483.0	1.229582	Y
3	IC 410-346157/14	10.0	12.622717	50.0	1190643.0	1.262272	Y
4	IC 410-346157/15	20.0	24.626061	50.0	1241979.0	1.231303	Y
5	ICIS 410-346157/16	50.0	60.473102	50.0	1238950.0	1.209462	Y
6	IC 410-346157/17	100.0	132.244715	50.0	1212087.0	1.322447	Y
7	IC 410-346157/18	300.0	381.602937	50.0	1292141.0	1.27201	Y



Calibration / Methyl acetate

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

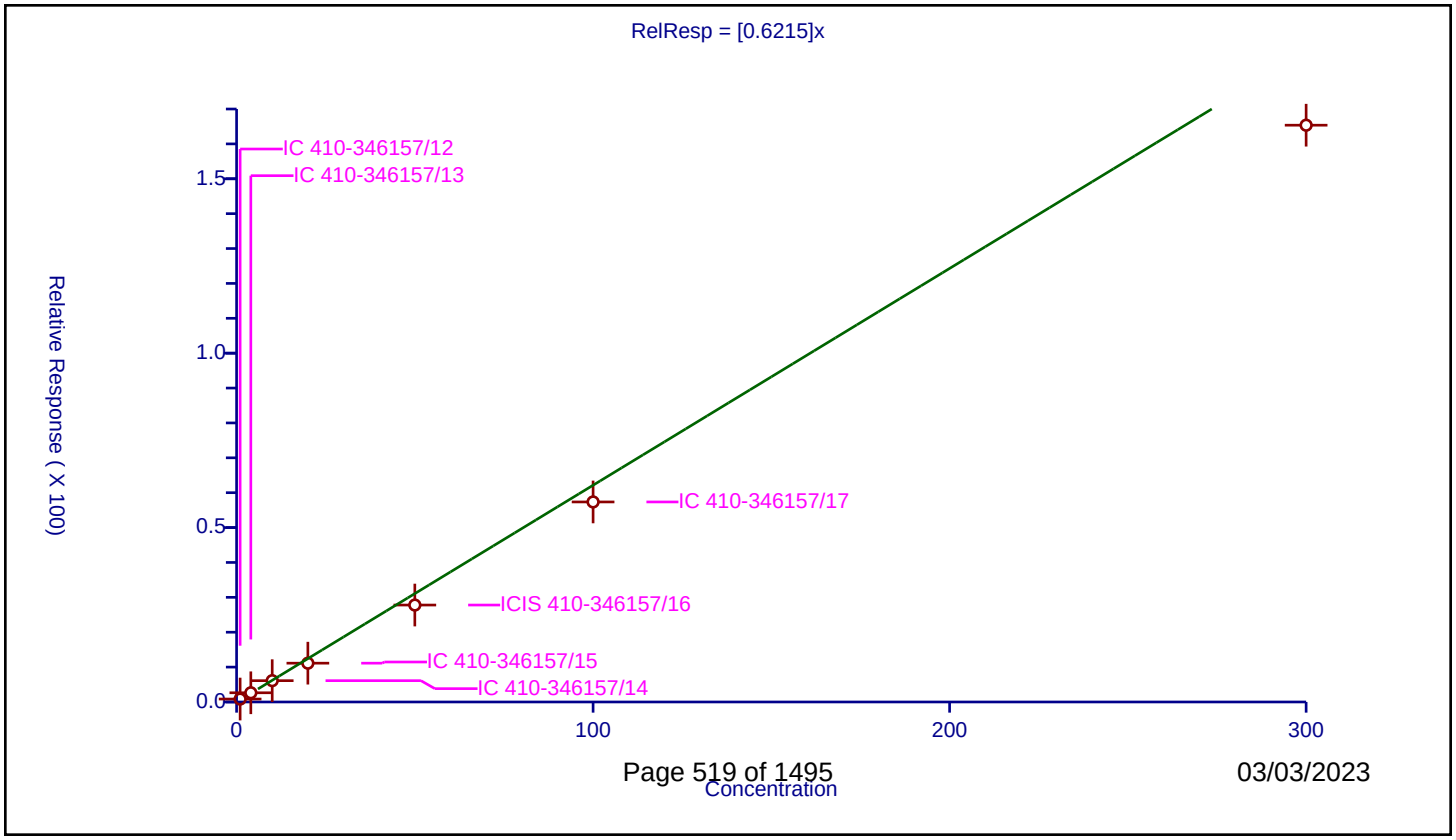
Curve Coefficients

Intercept:	0
Slope:	0.6215

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	16.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.84272	50.0	1200933.0	0.84272	Y
2	IC 410-346157/13	4.0	2.638263	50.0	1229483.0	0.659566	Y
3	IC 410-346157/14	10.0	6.113587	50.0	1190643.0	0.611359	Y
4	IC 410-346157/15	20.0	11.123819	50.0	1241979.0	0.556191	Y
5	ICIS 410-346157/16	50.0	27.791719	50.0	1238950.0	0.555834	Y
6	IC 410-346157/17	100.0	57.35038	50.0	1212087.0	0.573504	Y
7	IC 410-346157/18	300.0	165.358038	50.0	1292141.0	0.551193	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

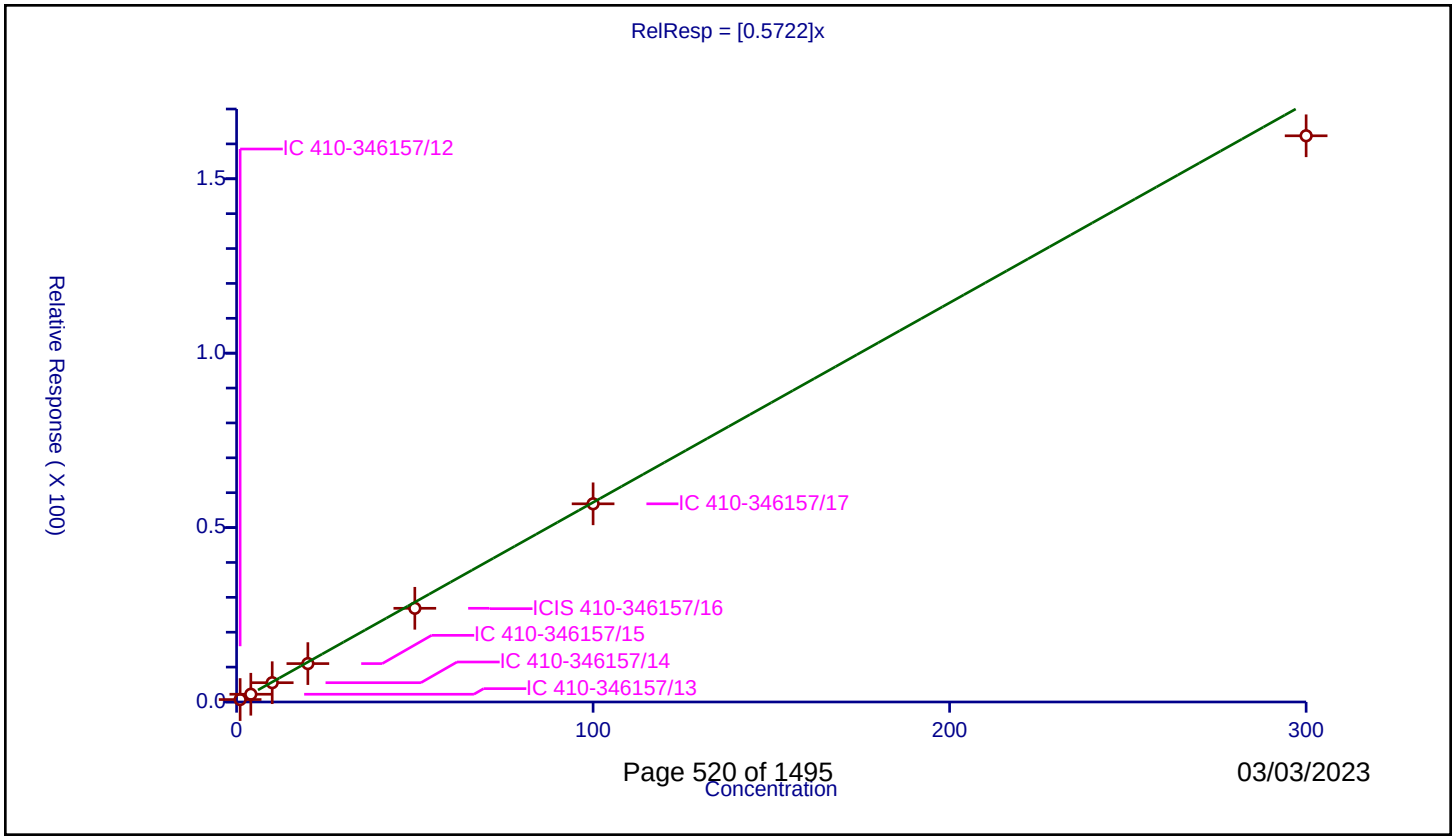
Curve Coefficients

Intercept:	0
Slope:	0.5722

Error Coefficients

Standard Error:	1830000
Relative Standard Error:	10.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.699914	50.0	1200933.0	0.699914	Y
2	IC 410-346157/13	4.0	2.223211	50.0	1229483.0	0.555803	Y
3	IC 410-346157/14	10.0	5.533775	50.0	1190643.0	0.553377	Y
4	IC 410-346157/15	20.0	11.001998	50.0	1241979.0	0.5501	Y
5	ICIS 410-346157/16	50.0	26.862787	50.0	1238950.0	0.537256	Y
6	IC 410-346157/17	100.0	56.81593	50.0	1212087.0	0.568159	Y
7	IC 410-346157/18	300.0	162.325706	50.0	1292141.0	0.541086	Y



Calibration / Methylene Chloride

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

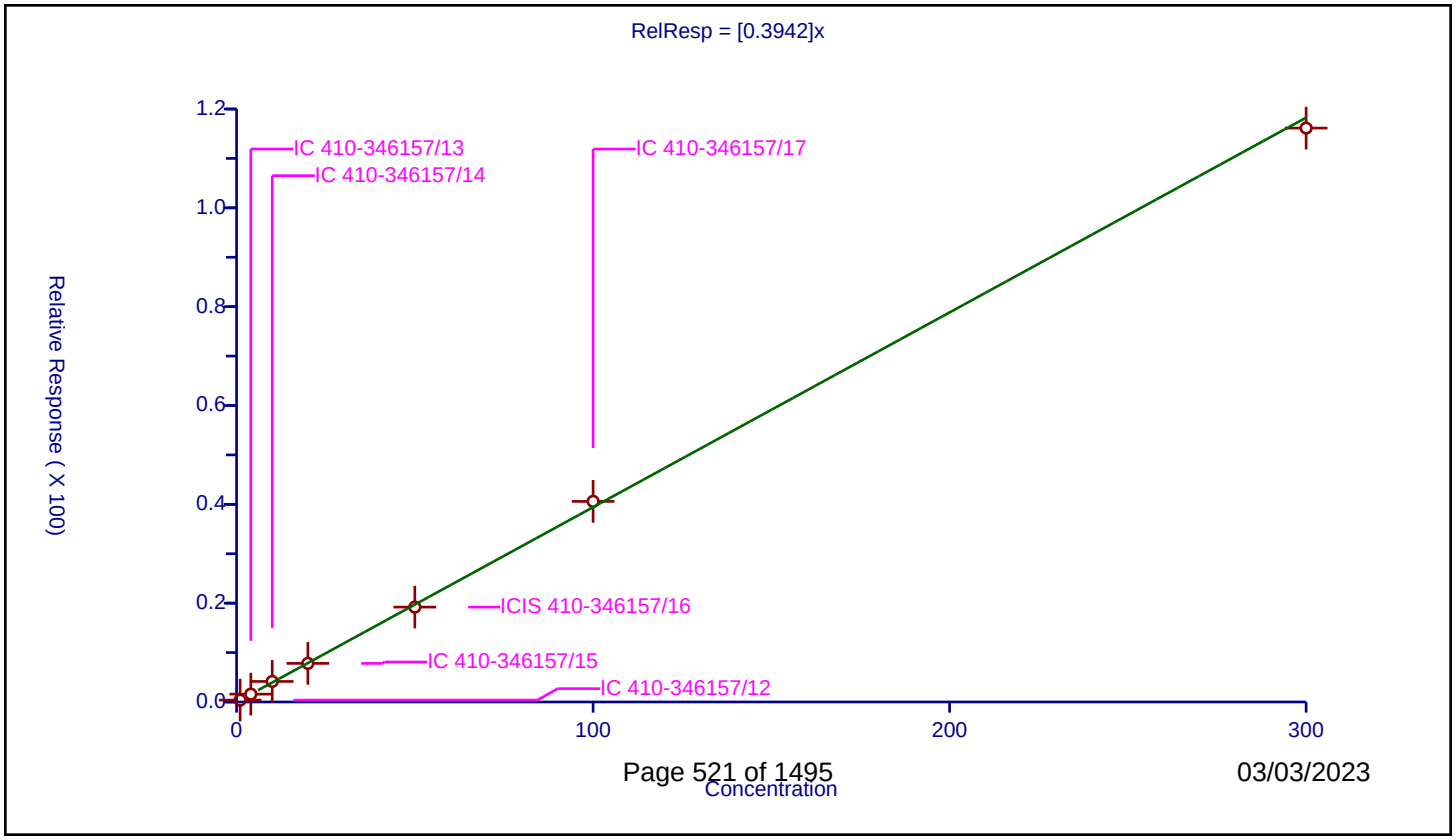
Curve Coefficients

Intercept:	0
Slope:	0.3942

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.377831	50.0	1200933.0	0.377831	Y
2	IC 410-346157/13	4.0	1.591726	50.0	1229483.0	0.397931	Y
3	IC 410-346157/14	10.0	4.156074	50.0	1190643.0	0.415607	Y
4	IC 410-346157/15	20.0	7.813135	50.0	1241979.0	0.390657	Y
5	ICIS 410-346157/16	50.0	19.205941	50.0	1238950.0	0.384119	Y
6	IC 410-346157/17	100.0	40.59556	50.0	1212087.0	0.405956	Y
7	IC 410-346157/18	300.0	116.143672	50.0	1292141.0	0.387146	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

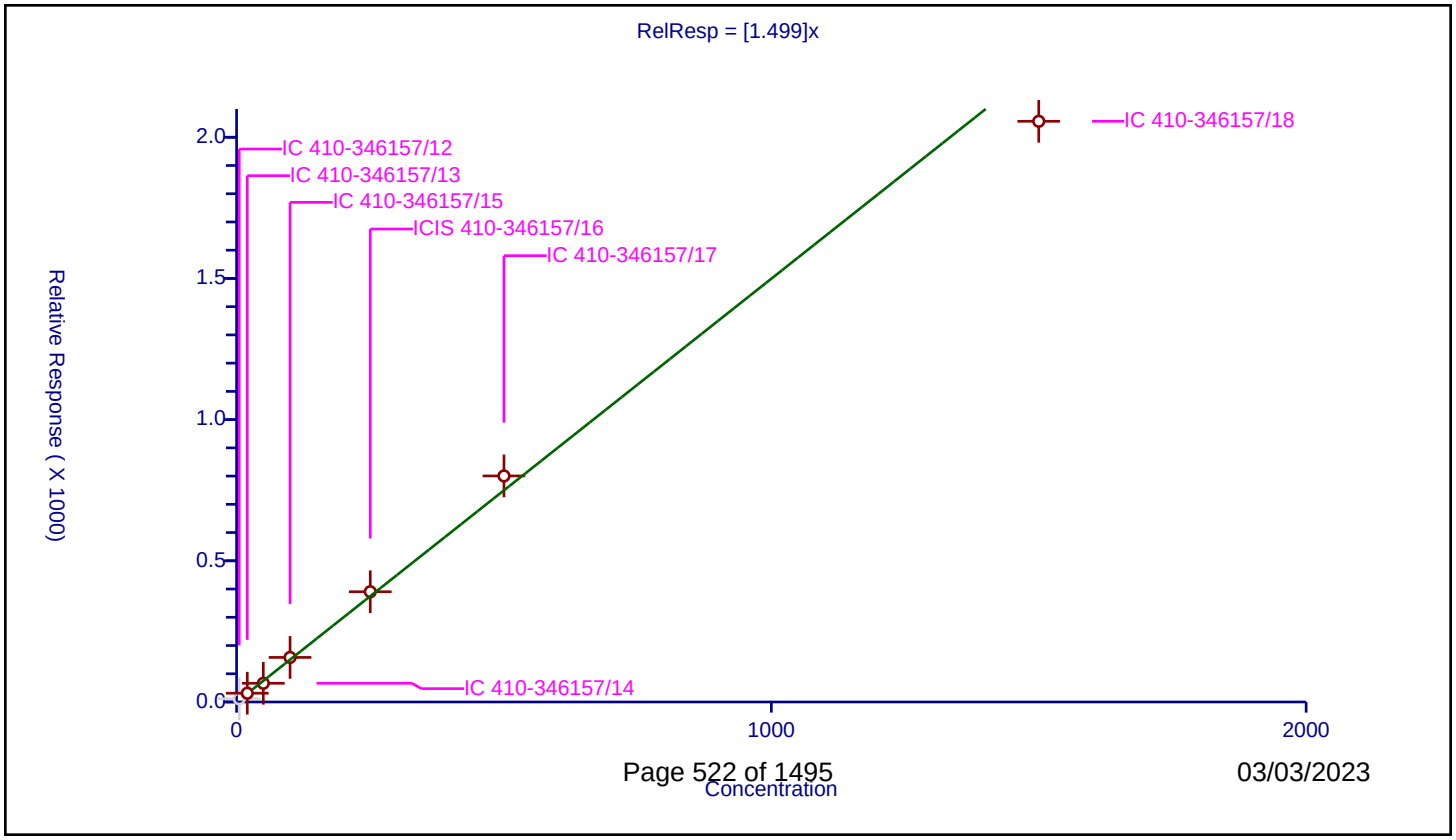
Curve Coefficients

Intercept:	0
Slope:	1.499

Error Coefficients

Standard Error:	2860000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	5.0	11.460852	250.0	677153.0	2.29217	N
2	IC 410-346157/13	20.0	31.140817	250.0	641128.0	1.557041	Y
3	IC 410-346157/14	50.0	66.246903	250.0	579929.0	1.324938	Y
4	IC 410-346157/15	100.0	157.819967	250.0	687017.0	1.5782	Y
5	ICIS 410-346157/16	250.0	390.501834	250.0	693297.0	1.562007	Y
6	IC 410-346157/17	500.0	800.604231	250.0	565264.0	1.601208	Y
7	IC 410-346157/18	1500.0	2056.546134	250.0	731279.0	1.371031	Y



Calibration / Acrylonitrile

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

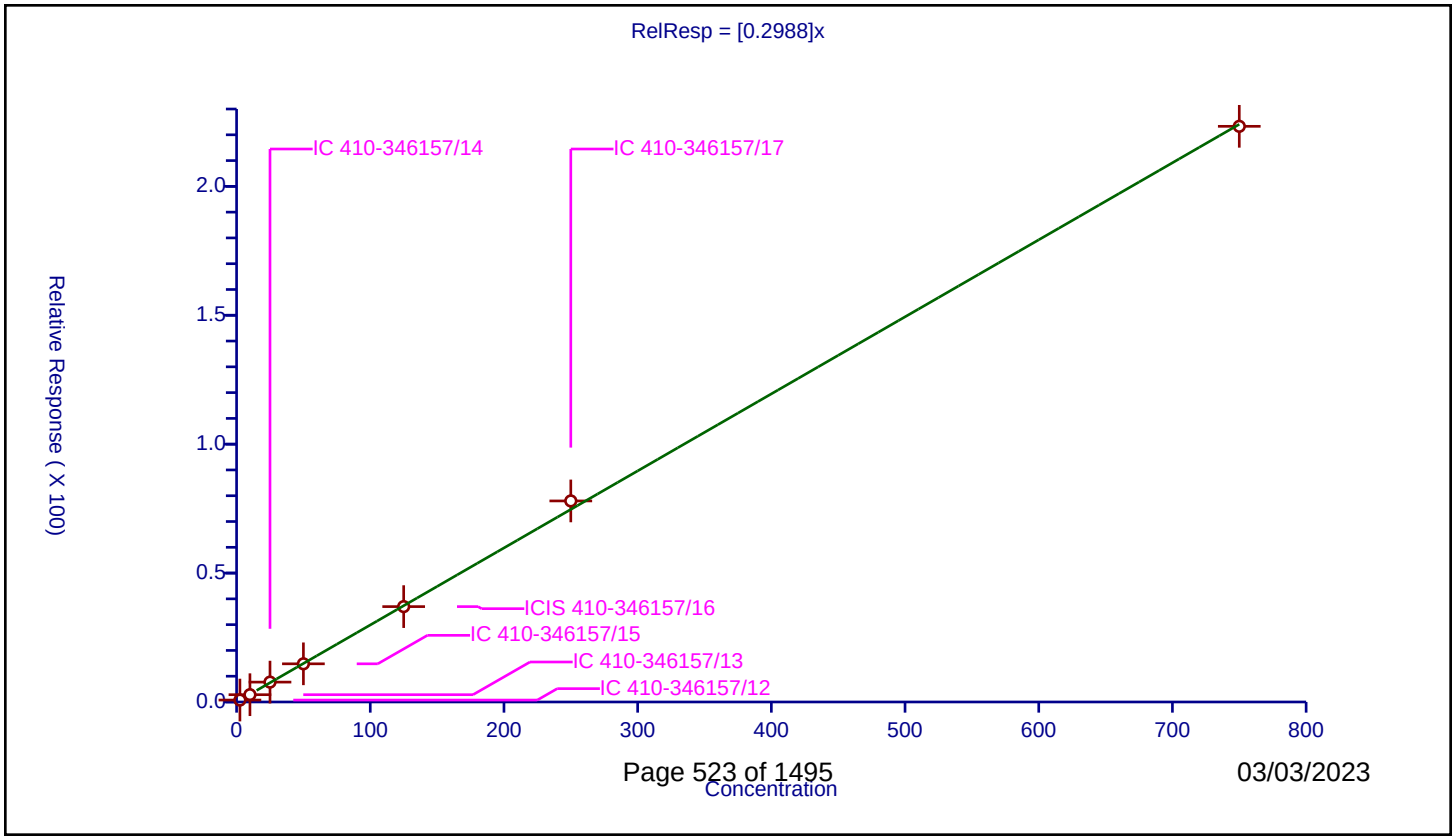
Curve Coefficients

Intercept:	0
Slope:	0.2988

Error Coefficients

Standard Error:	2510000
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 410-346157/12	2.5	0.745462	50.0	1200933.0	0.298185	Y
2	IC 410-346157/13	10.0	2.830661	50.0	1229483.0	0.283066	Y
3	IC 410-346157/14	25.0	7.708734	50.0	1190643.0	0.308349	Y
4	IC 410-346157/15	50.0	14.809308	50.0	1241979.0	0.296186	Y
5	ICIS 410-346157/16	125.0	36.996529	50.0	1238950.0	0.295972	Y
6	IC 410-346157/17	250.0	77.979592	50.0	1212087.0	0.311918	Y
7	IC 410-346157/18	750.0	223.289138	50.0	1292141.0	0.297719	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

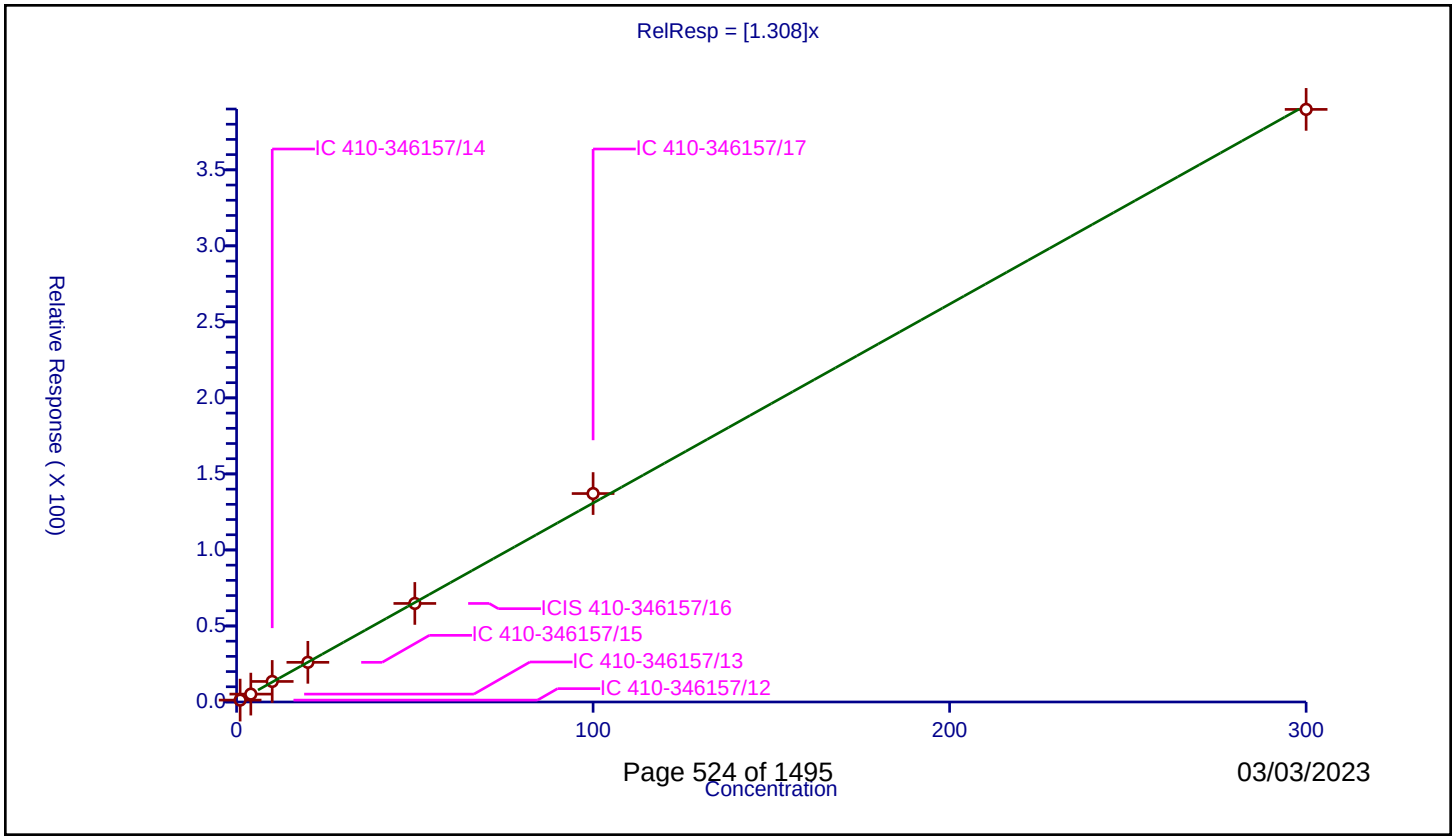
Curve Coefficients

Intercept:	0
Slope:	1.308

Error Coefficients

Standard Error:	4390000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	1.243783	50.0	1200933.0	1.243783	Y
2	IC 410-346157/13	4.0	5.176607	50.0	1229483.0	1.294152	Y
3	IC 410-346157/14	10.0	13.506274	50.0	1190643.0	1.350627	Y
4	IC 410-346157/15	20.0	26.080232	50.0	1241979.0	1.304012	Y
5	ICIS 410-346157/16	50.0	64.809637	50.0	1238950.0	1.296193	Y
6	IC 410-346157/17	100.0	137.08459	50.0	1212087.0	1.370846	Y
7	IC 410-346157/18	300.0	389.747326	50.0	1292141.0	1.299158	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

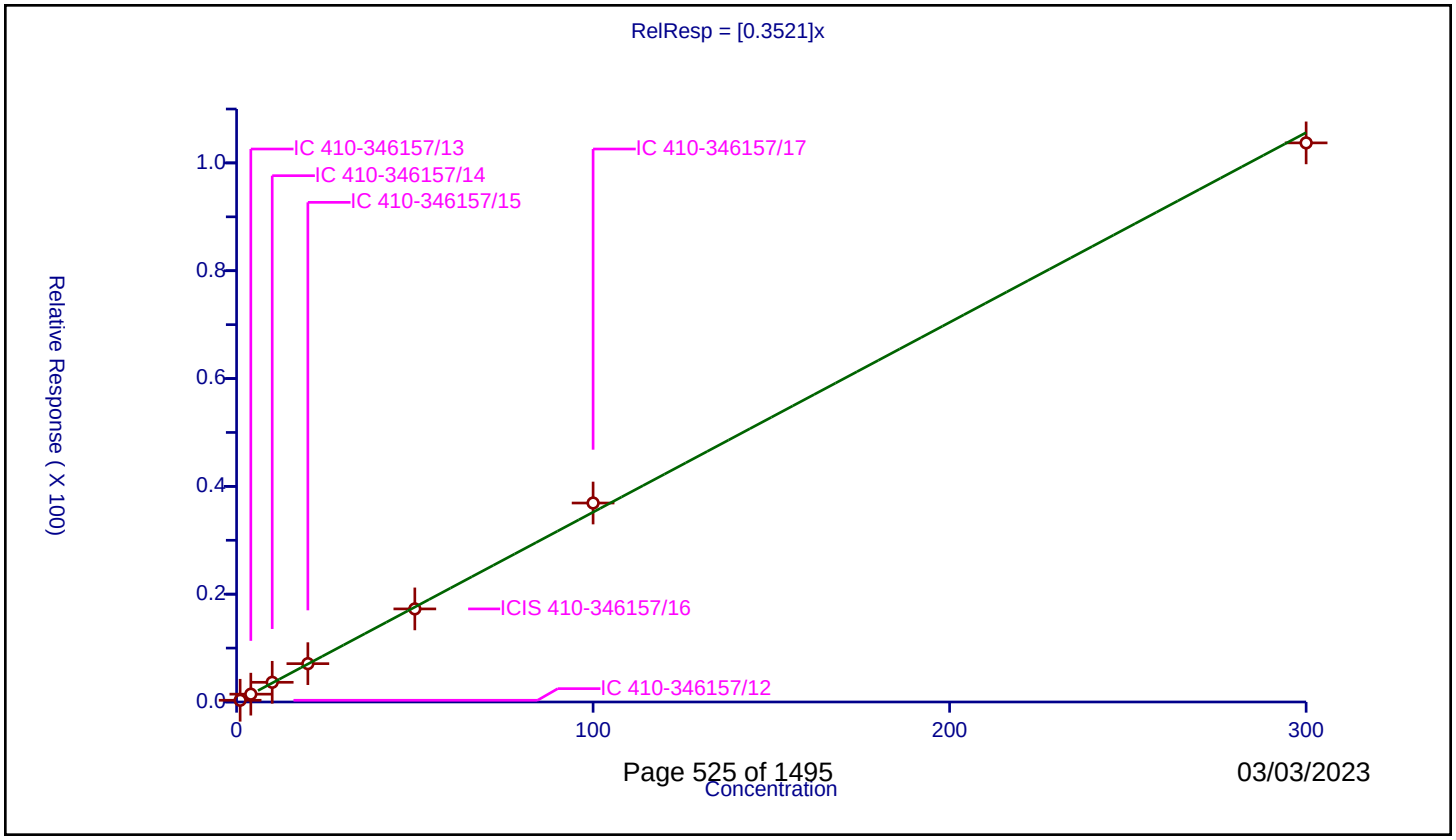
Curve Coefficients

Intercept:	0
Slope:	0.3521

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 410-346157/12	1.0	0.320251	50.0	1200933.0	0.320251	Y
2	IC 410-346157/13	4.0	1.454188	50.0	1229483.0	0.363547	Y
3	IC 410-346157/14	10.0	3.652816	50.0	1190643.0	0.365282	Y
4	IC 410-346157/15	20.0	7.109098	50.0	1241979.0	0.355455	Y
5	ICIS 410-346157/16	50.0	17.265104	50.0	1238950.0	0.345302	Y
6	IC 410-346157/17	100.0	36.911872	50.0	1212087.0	0.369119	Y
7	IC 410-346157/18	300.0	103.71937	50.0	1292141.0	0.345731	Y



03/03/2023

Calibration / Hexane

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

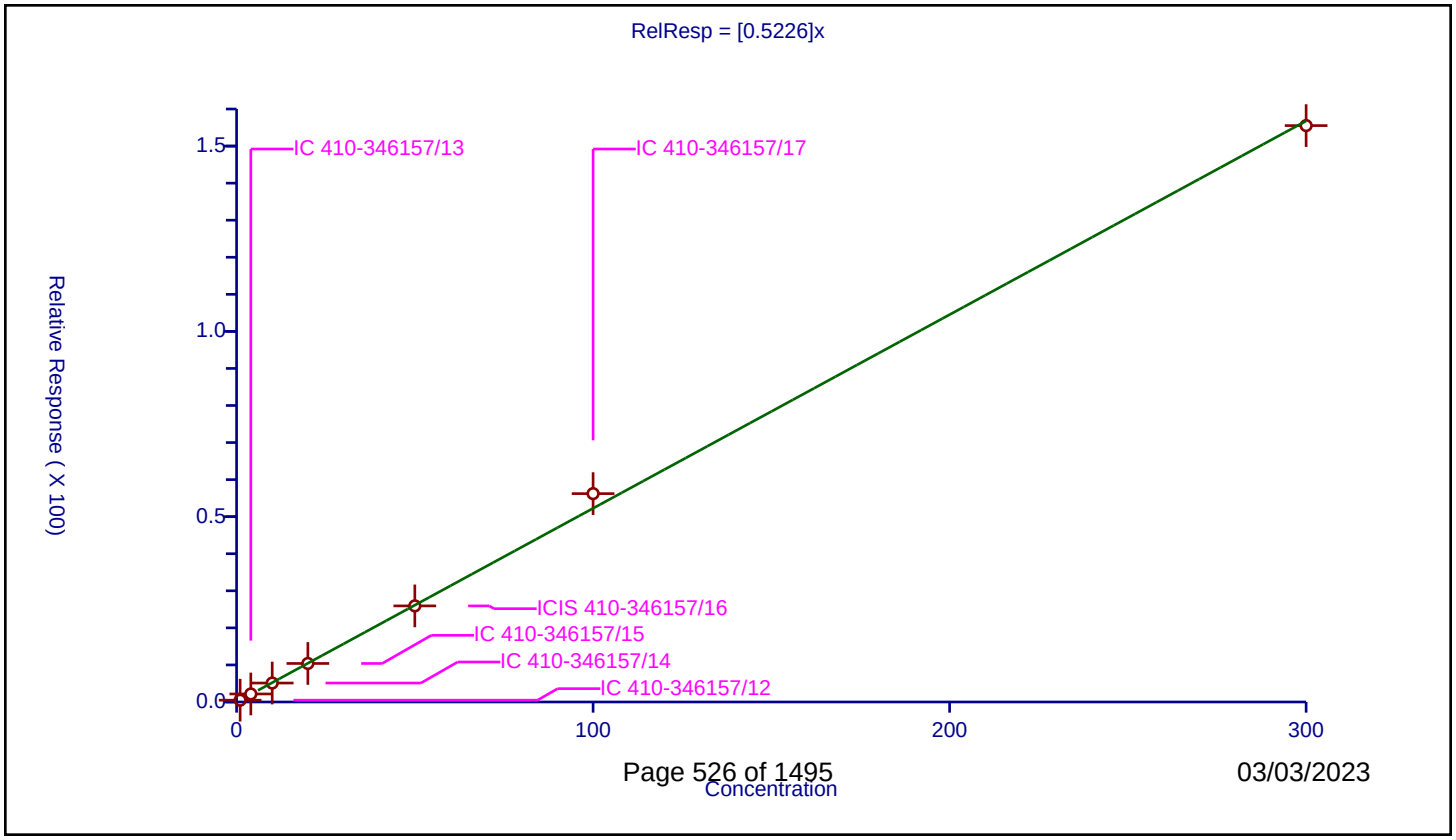
Curve Coefficients

Intercept:	0
Slope:	0.5226

Error Coefficients

Standard Error:	1760000
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 410-346157/12	1.0	0.487371	50.0	1200933.0	0.487371	Y
2	IC 410-346157/13	4.0	2.162738	50.0	1229483.0	0.540685	Y
3	IC 410-346157/14	10.0	5.11081	50.0	1190643.0	0.511081	Y
4	IC 410-346157/15	20.0	10.393131	50.0	1241979.0	0.519657	Y
5	ICIS 410-346157/16	50.0	25.929739	50.0	1238950.0	0.518595	Y
6	IC 410-346157/17	100.0	56.221789	50.0	1212087.0	0.562218	Y
7	IC 410-346157/18	300.0	155.525558	50.0	1292141.0	0.518419	Y



Calibration / 1,1-Dichloroethane

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

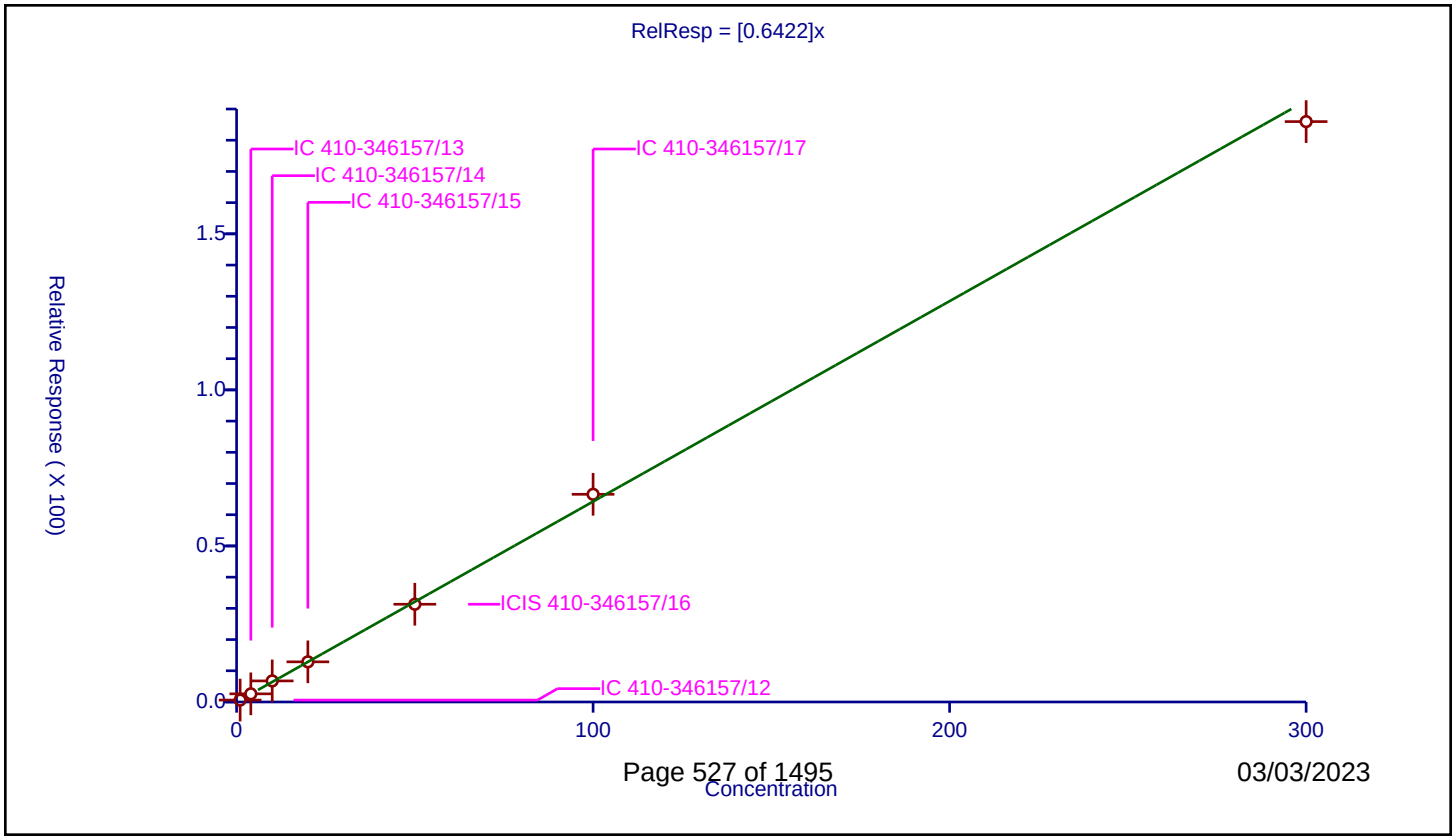
Curve Coefficients

Intercept:	0
Slope:	0.6422

Error Coefficients

Standard Error:	2100000
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 410-346157/12	1.0	0.61294	50.0	1200933.0	0.61294	Y
2	IC 410-346157/13	4.0	2.60882	50.0	1229483.0	0.652205	Y
3	IC 410-346157/14	10.0	6.751352	50.0	1190643.0	0.675135	Y
4	IC 410-346157/15	20.0	12.863422	50.0	1241979.0	0.643171	Y
5	ICIS 410-346157/16	50.0	31.323944	50.0	1238950.0	0.626479	Y
6	IC 410-346157/17	100.0	66.549513	50.0	1212087.0	0.665495	Y
7	IC 410-346157/18	300.0	185.969797	50.0	1292141.0	0.619899	Y



03/03/2023

Calibration / Isopropyl ether

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

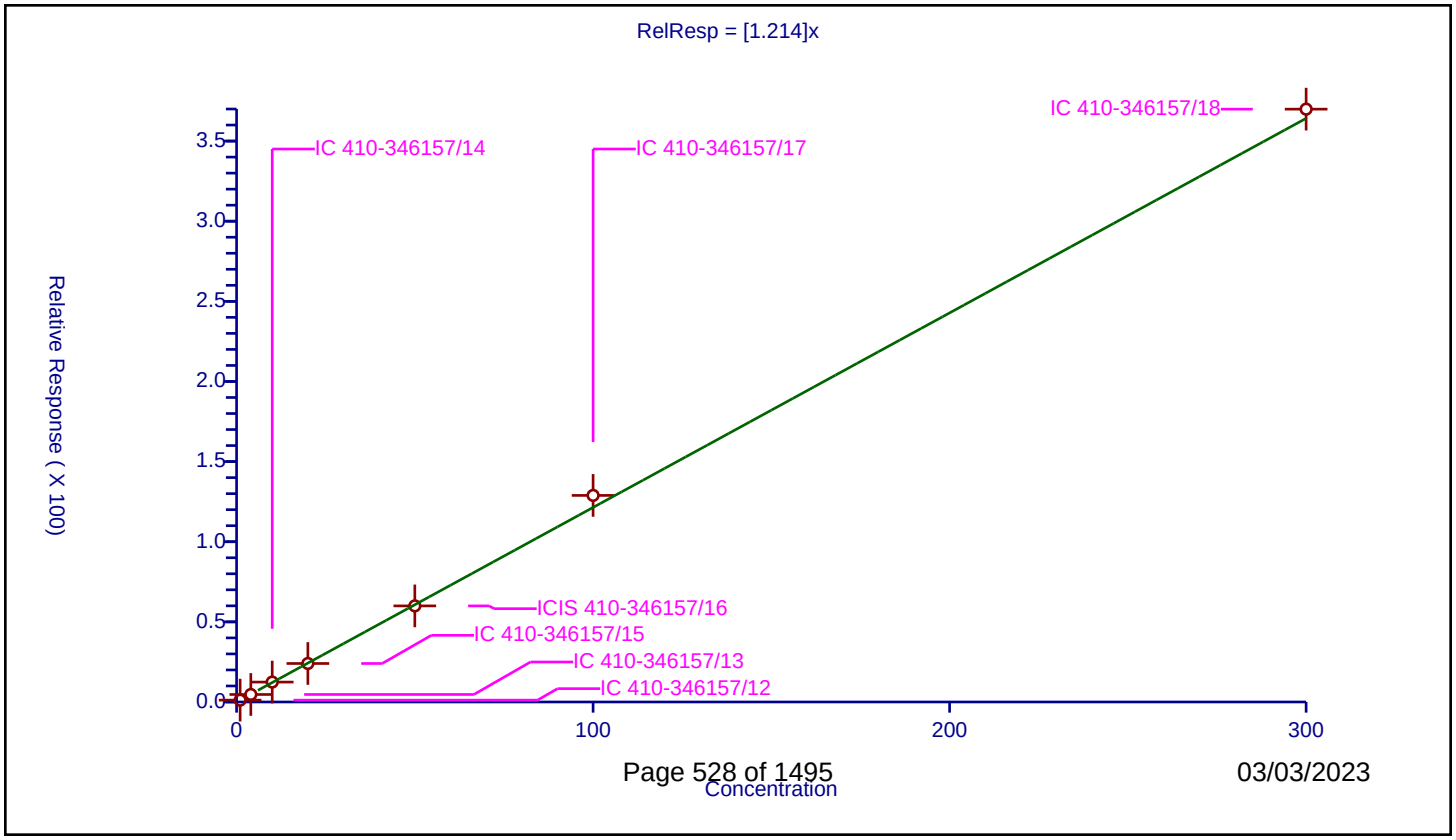
Curve Coefficients

Intercept:	0
Slope:	1.214

Error Coefficients

Standard Error:	4160000
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 410-346157/12	1.0	1.159515	50.0	1200933.0	1.159515	Y
2	IC 410-346157/13	4.0	4.690508	50.0	1229483.0	1.172627	Y
3	IC 410-346157/14	10.0	12.426647	50.0	1190643.0	1.242665	Y
4	IC 410-346157/15	20.0	24.025366	50.0	1241979.0	1.201268	Y
5	ICIS 410-346157/16	50.0	59.960128	50.0	1238950.0	1.199203	Y
6	IC 410-346157/17	100.0	128.901061	50.0	1212087.0	1.289011	Y
7	IC 410-346157/18	300.0	369.914158	50.0	1292141.0	1.233047	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

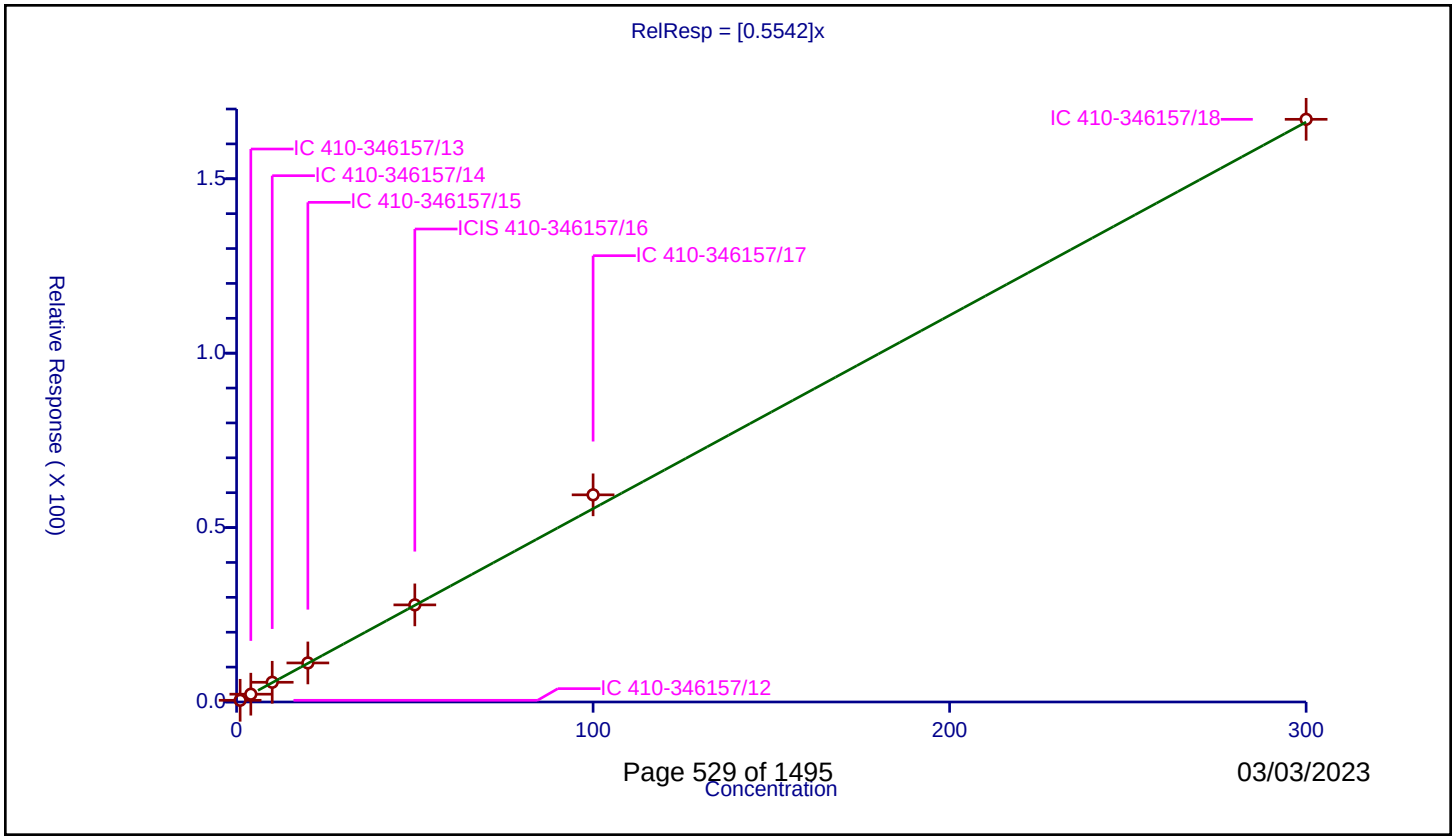
Curve Coefficients

Intercept:	0
Slope:	0.5542

Error Coefficients

Standard Error:	1880000
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 410-346157/12	1.0	0.487496	50.0	1200933.0	0.487496	Y
2	IC 410-346157/13	4.0	2.236672	50.0	1229483.0	0.559168	Y
3	IC 410-346157/14	10.0	5.654508	50.0	1190643.0	0.565451	Y
4	IC 410-346157/15	20.0	11.194755	50.0	1241979.0	0.559738	Y
5	ICIS 410-346157/16	50.0	27.841277	50.0	1238950.0	0.556826	Y
6	IC 410-346157/17	100.0	59.389301	50.0	1212087.0	0.593893	Y
7	IC 410-346157/18	300.0	167.046437	50.0	1292141.0	0.556821	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

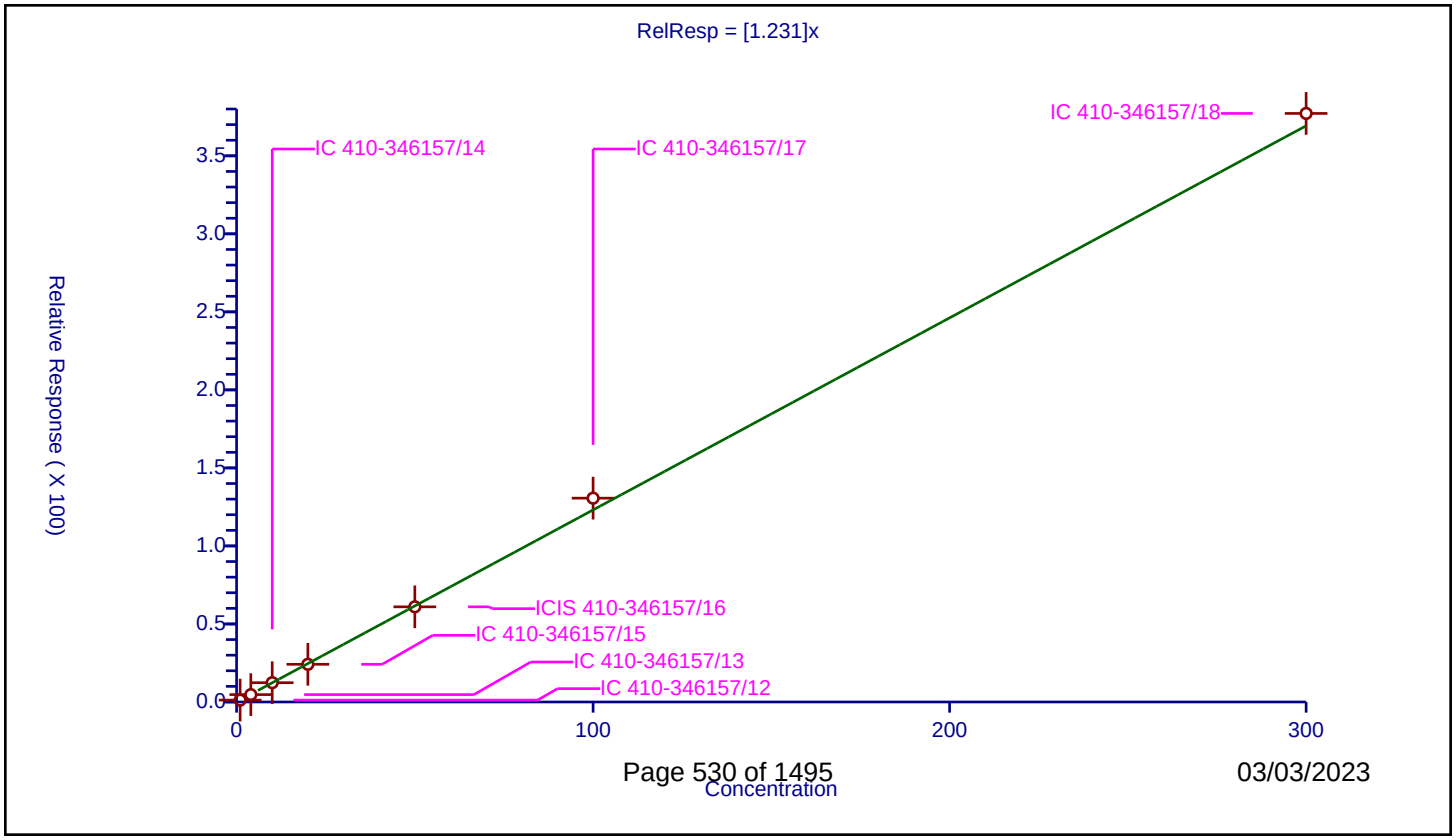
Curve Coefficients

Intercept:	0
Slope:	1.231

Error Coefficients

Standard Error:	4240000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	1.206395	50.0	1200933.0	1.206395	Y
2	IC 410-346157/13	4.0	4.724221	50.0	1229483.0	1.181055	Y
3	IC 410-346157/14	10.0	12.368485	50.0	1190643.0	1.236848	Y
4	IC 410-346157/15	20.0	24.160594	50.0	1241979.0	1.20803	Y
5	ICIS 410-346157/16	50.0	60.98531	50.0	1238950.0	1.219706	Y
6	IC 410-346157/17	100.0	130.614593	50.0	1212087.0	1.306146	Y
7	IC 410-346157/18	300.0	377.166695	50.0	1292141.0	1.257222	Y



Calibration / 2-Butanone (MEK)

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

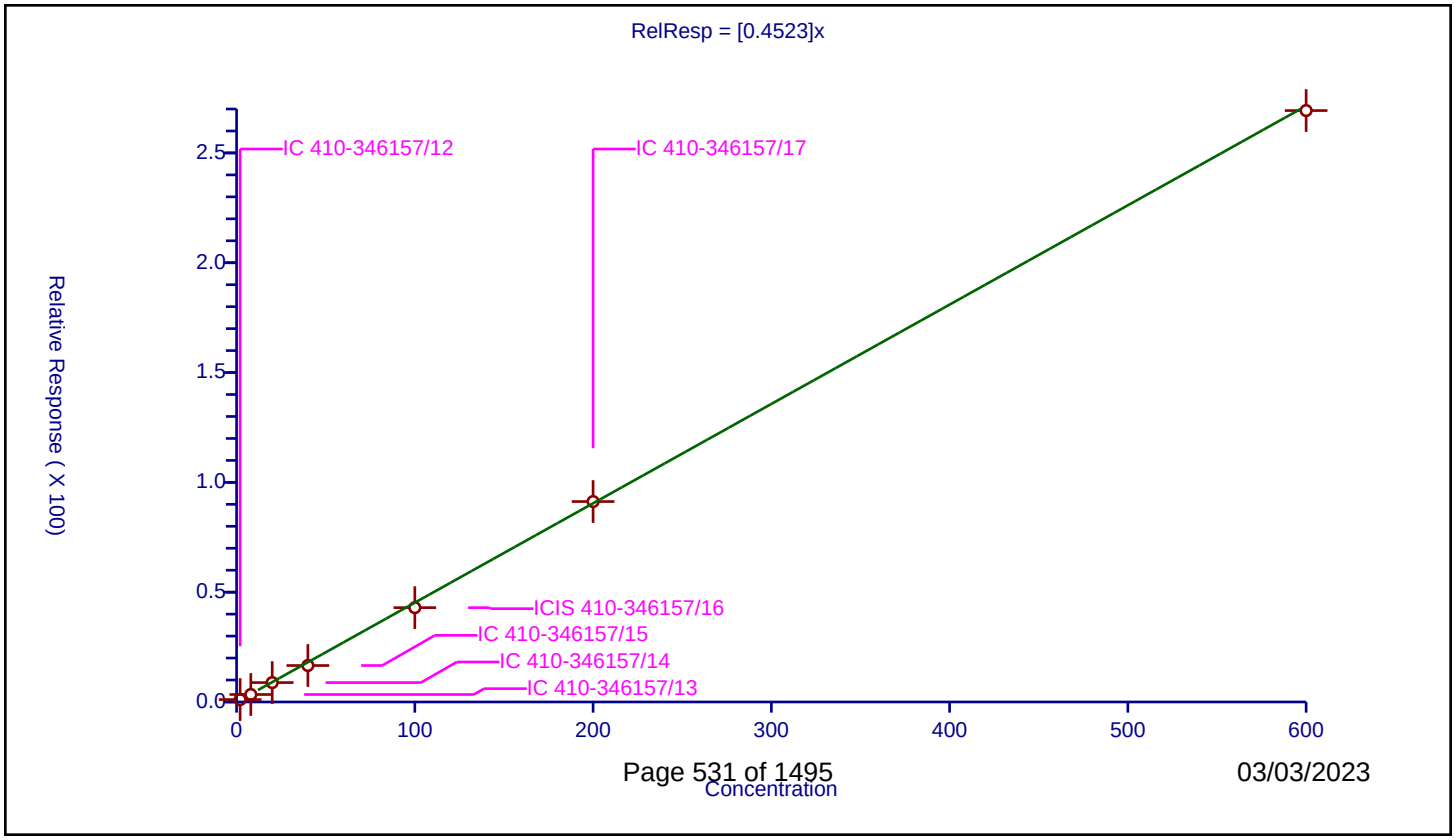
Curve Coefficients

Intercept:	0
Slope:	0.4523

Error Coefficients

Standard Error:	3020000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	2.0	1.097563	50.0	1200933.0	0.548782	Y
2	IC 410-346157/13	8.0	3.408262	50.0	1229483.0	0.426033	Y
3	IC 410-346157/14	20.0	8.835562	50.0	1190643.0	0.441778	Y
4	IC 410-346157/15	40.0	16.605071	50.0	1241979.0	0.415127	Y
5	ICIS 410-346157/16	100.0	42.949715	50.0	1238950.0	0.429497	Y
6	IC 410-346157/17	200.0	91.26816	50.0	1212087.0	0.456341	Y
7	IC 410-346157/18	600.0	269.292438	50.0	1292141.0	0.448821	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

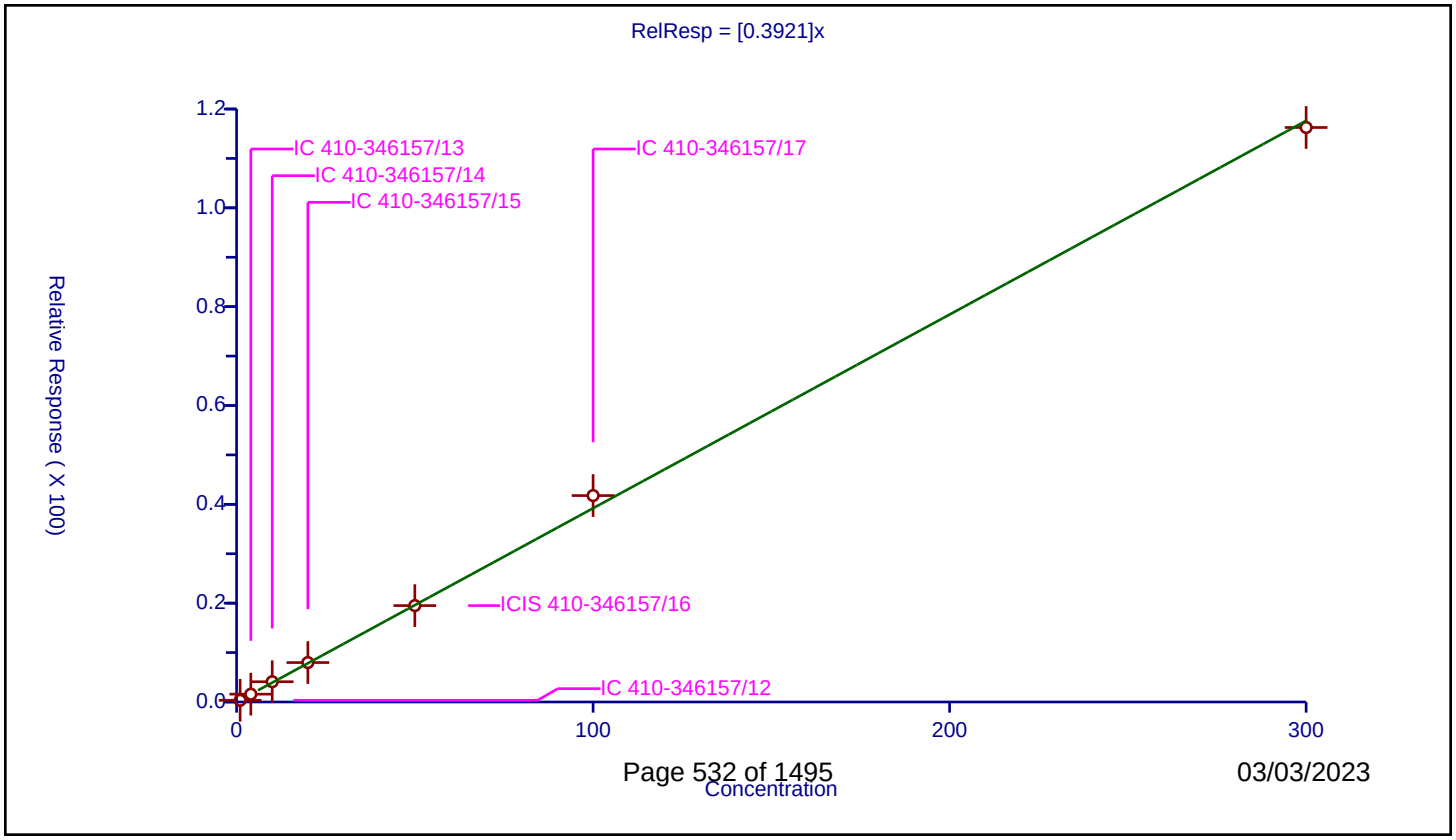
Curve Coefficients

Intercept:	0
Slope:	0.3921

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.344565	50.0	1200933.0	0.344565	Y
2	IC 410-346157/13	4.0	1.583145	50.0	1229483.0	0.395786	Y
3	IC 410-346157/14	10.0	4.096736	50.0	1190643.0	0.409674	Y
4	IC 410-346157/15	20.0	7.981254	50.0	1241979.0	0.399063	Y
5	ICIS 410-346157/16	50.0	19.505226	50.0	1238950.0	0.390105	Y
6	IC 410-346157/17	100.0	41.769898	50.0	1212087.0	0.417699	Y
7	IC 410-346157/18	300.0	116.26208	50.0	1292141.0	0.38754	Y



Calibration / 2,2-Dichloropropane

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

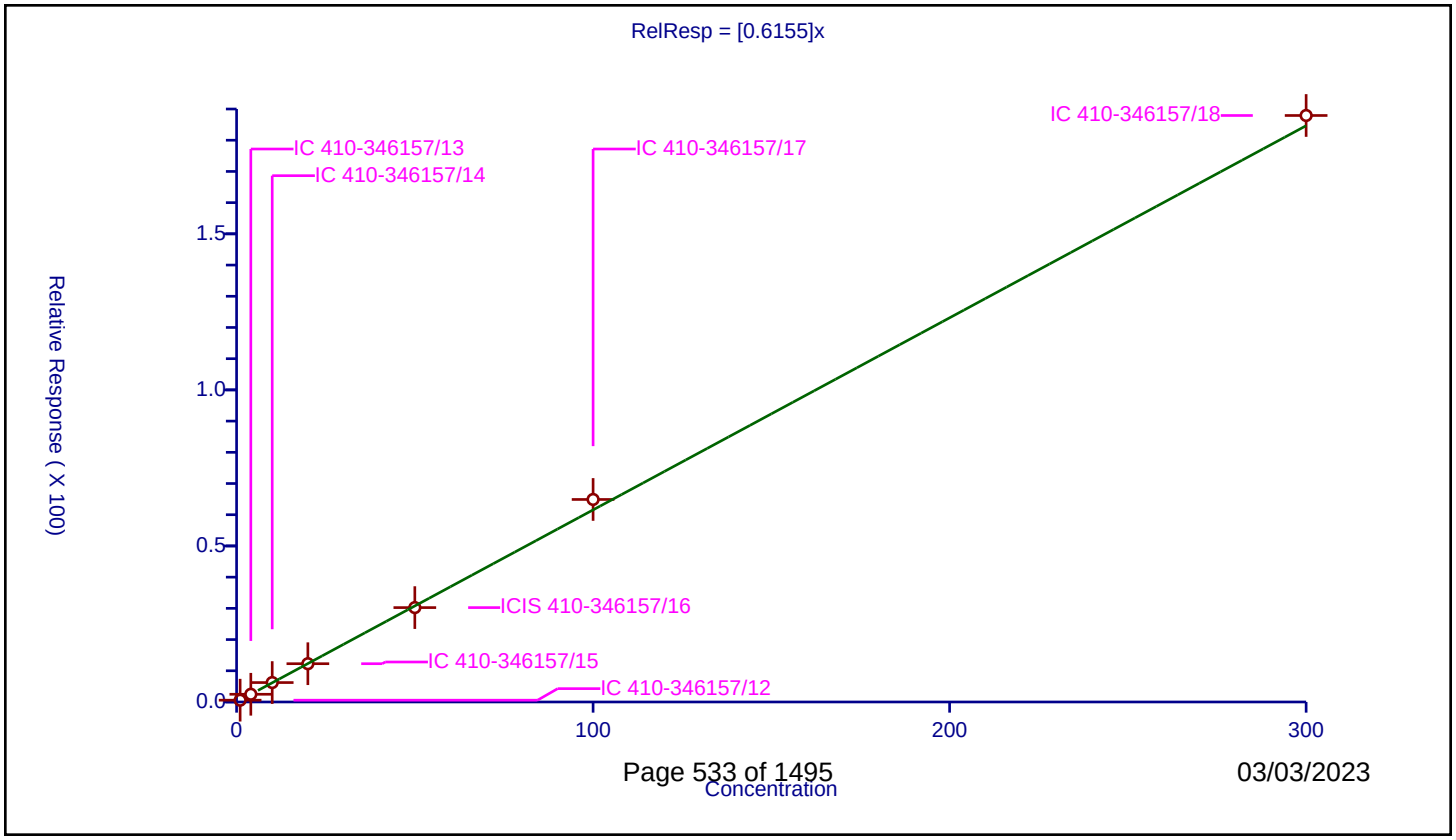
Curve Coefficients

Intercept:	0
Slope:	0.6155

Error Coefficients

Standard Error:	2110000
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 410-346157/12	1.0	0.573263	50.0	1200933.0	0.573263	Y
2	IC 410-346157/13	4.0	2.477749	50.0	1229483.0	0.619437	Y
3	IC 410-346157/14	10.0	6.225124	50.0	1190643.0	0.622512	Y
4	IC 410-346157/15	20.0	12.26156	50.0	1241979.0	0.613078	Y
5	ICIS 410-346157/16	50.0	30.240526	50.0	1238950.0	0.604811	Y
6	IC 410-346157/17	100.0	64.893568	50.0	1212087.0	0.648936	Y
7	IC 410-346157/18	300.0	187.921597	50.0	1292141.0	0.626405	Y



Calibration / Propionitrile

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

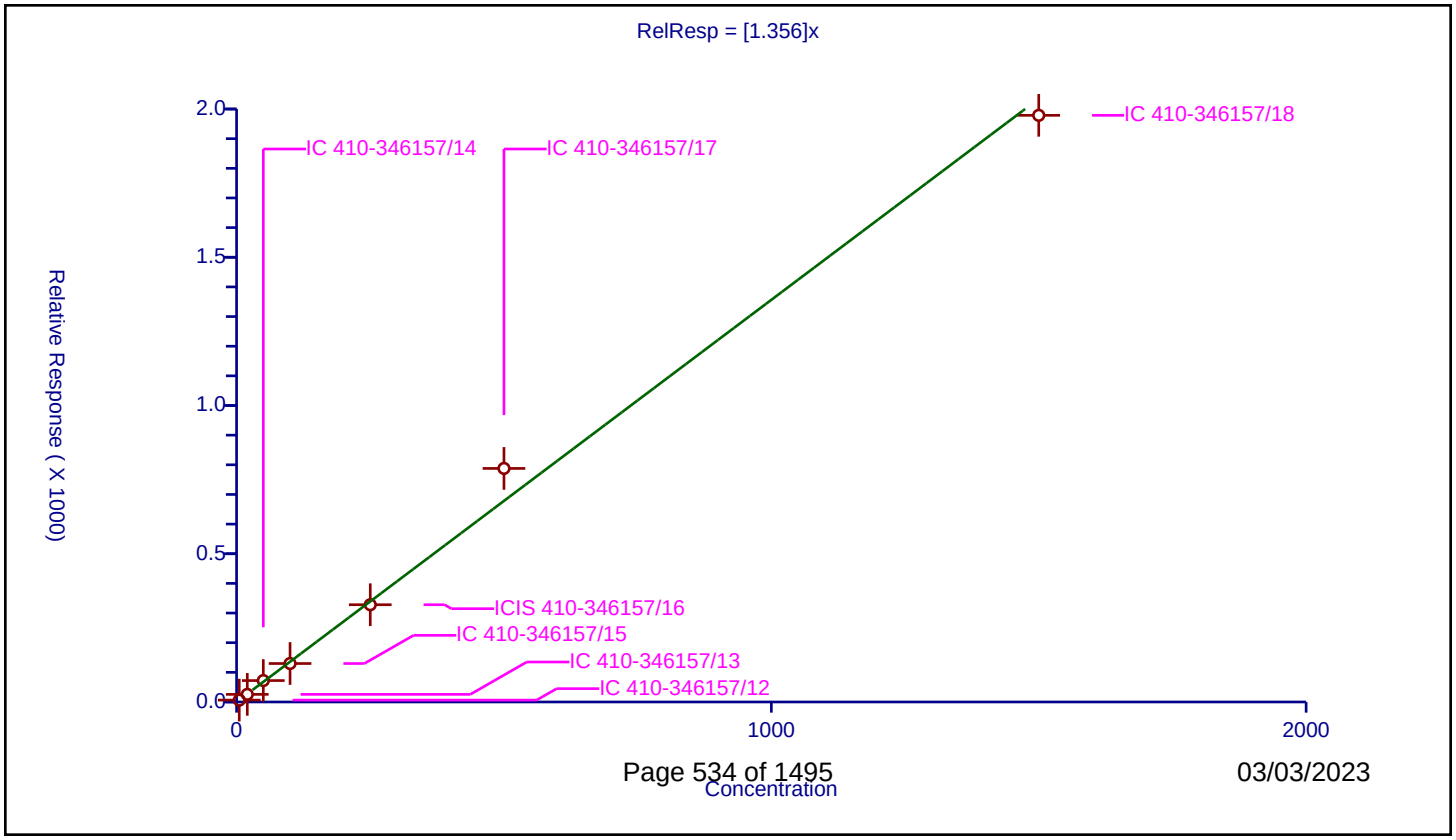
Curve Coefficients

Intercept:	0
Slope:	1.356

Error Coefficients

Standard Error:	2500000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	5.0	6.301752	250.0	677153.0	1.26035	Y
2	IC 410-346157/13	20.0	25.708205	250.0	641128.0	1.28541	Y
3	IC 410-346157/14	50.0	72.246775	250.0	579929.0	1.444936	Y
4	IC 410-346157/15	100.0	129.716586	250.0	687017.0	1.297166	Y
5	ICIS 410-346157/16	250.0	328.026805	250.0	693297.0	1.312107	Y
6	IC 410-346157/17	500.0	787.743426	250.0	565264.0	1.575487	Y
7	IC 410-346157/18	1500.0	1978.689734	250.0	731279.0	1.319126	Y



Calibration / Methacrylonitrile

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

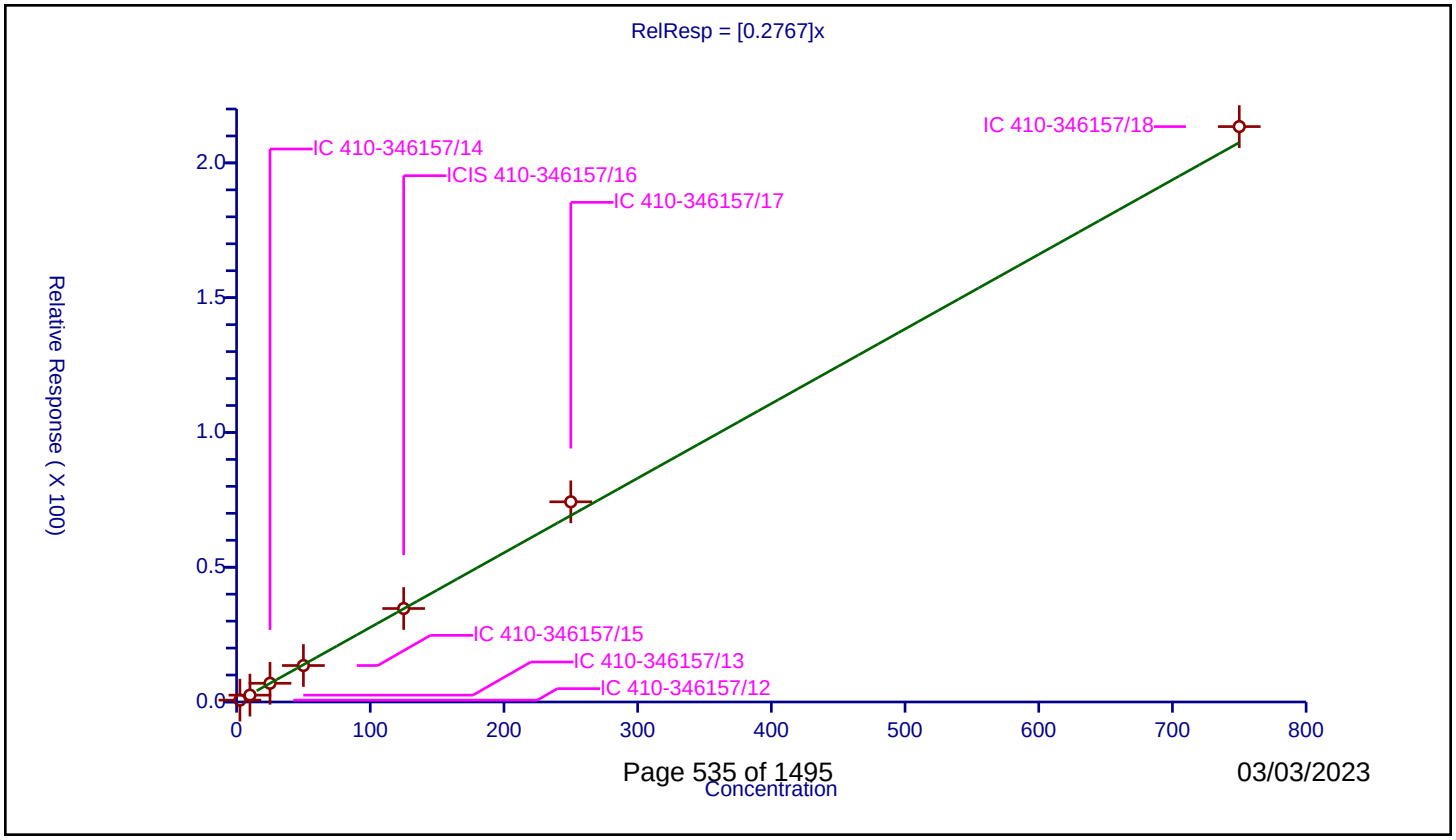
Curve Coefficients

Intercept:	0
Slope:	0.2767

Error Coefficients

Standard Error:	2400000
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 410-346157/12	2.5	0.690463	50.0	1200933.0	0.276185	Y
2	IC 410-346157/13	10.0	2.536351	50.0	1229483.0	0.253635	Y
3	IC 410-346157/14	25.0	6.937554	50.0	1190643.0	0.277502	Y
4	IC 410-346157/15	50.0	13.533482	50.0	1241979.0	0.27067	Y
5	ICIS 410-346157/16	125.0	34.685621	50.0	1238950.0	0.277485	Y
6	IC 410-346157/17	250.0	74.27004	50.0	1212087.0	0.29708	Y
7	IC 410-346157/18	750.0	213.481772	50.0	1292141.0	0.284642	Y



03/03/2023

Calibration / Chlorobromomethane

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

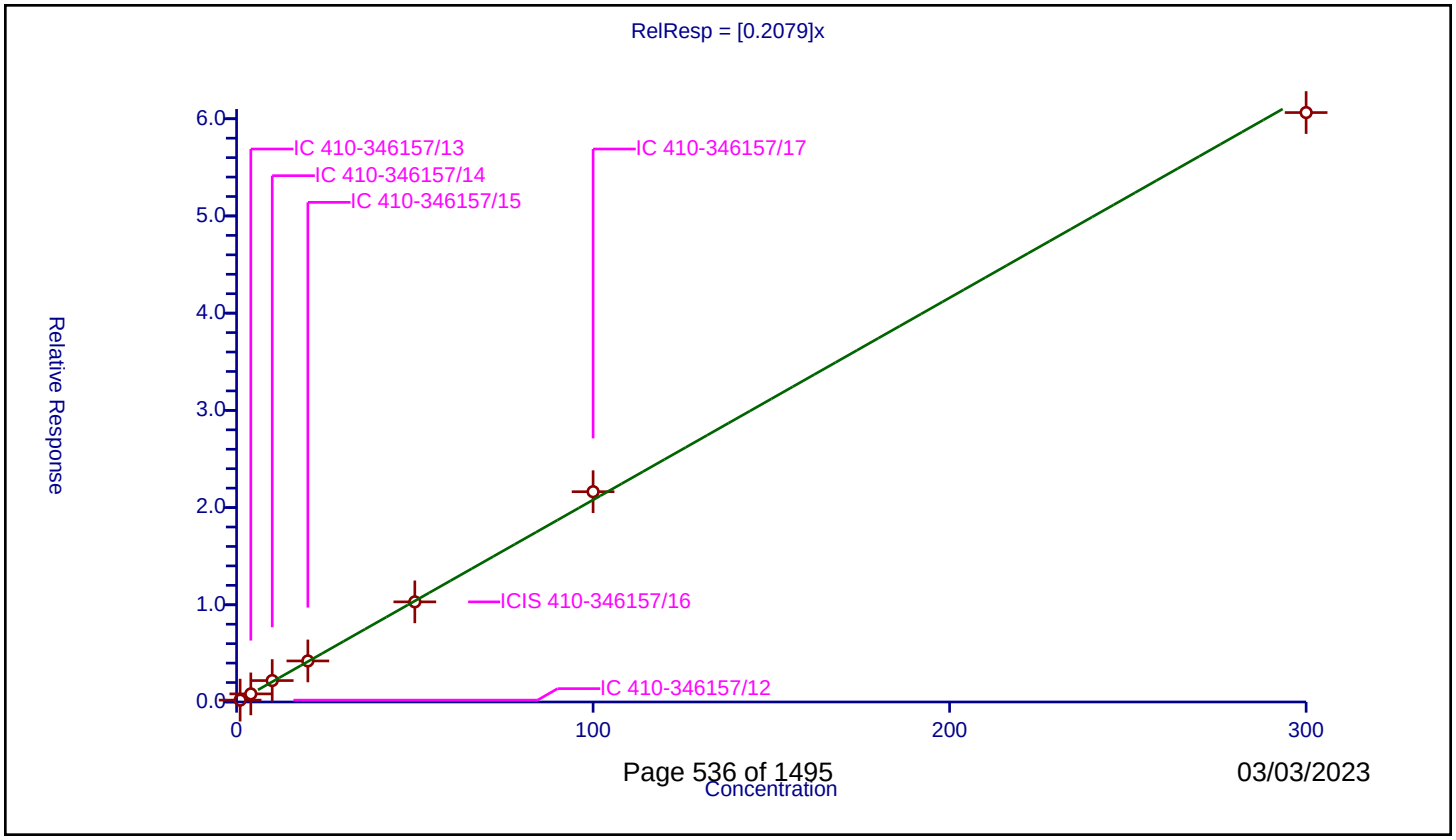
Curve Coefficients

Intercept:	0
Slope:	0.2079

Error Coefficients

Standard Error:	684000
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 410-346157/12	1.0	0.19131	50.0	1200933.0	0.19131	Y
2	IC 410-346157/13	4.0	0.831854	50.0	1229483.0	0.207963	Y
3	IC 410-346157/14	10.0	2.204523	50.0	1190643.0	0.220452	Y
4	IC 410-346157/15	20.0	4.222173	50.0	1241979.0	0.211109	Y
5	ICIS 410-346157/16	50.0	10.298842	50.0	1238950.0	0.205977	Y
6	IC 410-346157/17	100.0	21.632152	50.0	1212087.0	0.216322	Y
7	IC 410-346157/18	300.0	60.636494	50.0	1292141.0	0.202122	Y



Calibration / Tetrahydrofuran

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

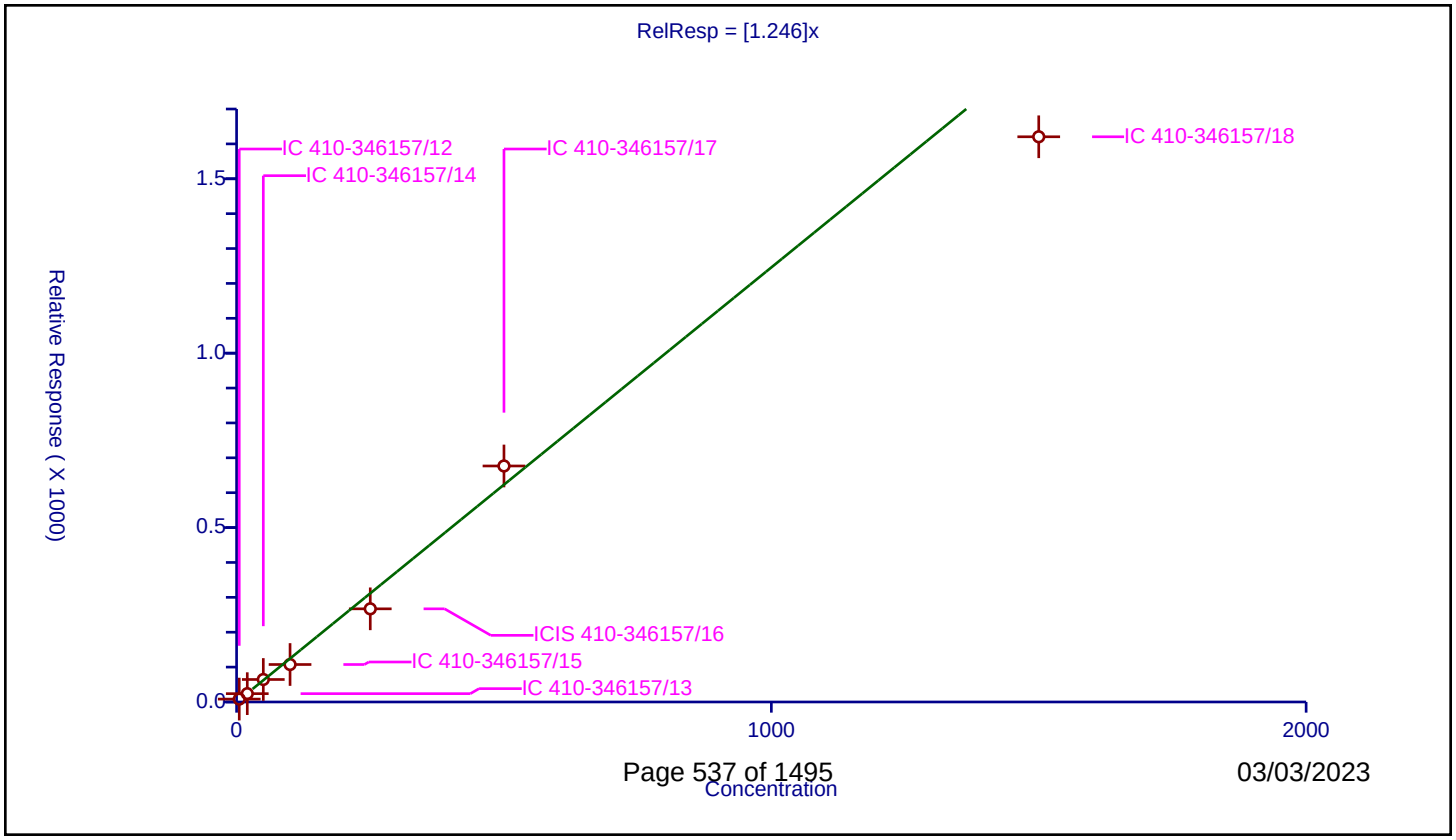
Curve Coefficients

Intercept:	0
Slope:	1.246

Error Coefficients

Standard Error:	2060000
Relative Standard Error:	17.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	5.0	8.307207	250.0	677153.0	1.661441	Y
2	IC 410-346157/13	20.0	23.871598	250.0	641128.0	1.19358	Y
3	IC 410-346157/14	50.0	64.490653	250.0	579929.0	1.289813	Y
4	IC 410-346157/15	100.0	107.455856	250.0	687017.0	1.074559	Y
5	ICIS 410-346157/16	250.0	267.069164	250.0	693297.0	1.068277	Y
6	IC 410-346157/17	500.0	676.610398	250.0	565264.0	1.353221	Y
7	IC 410-346157/18	1500.0	1620.392149	250.0	731279.0	1.080261	Y



Calibration / Chloroform

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

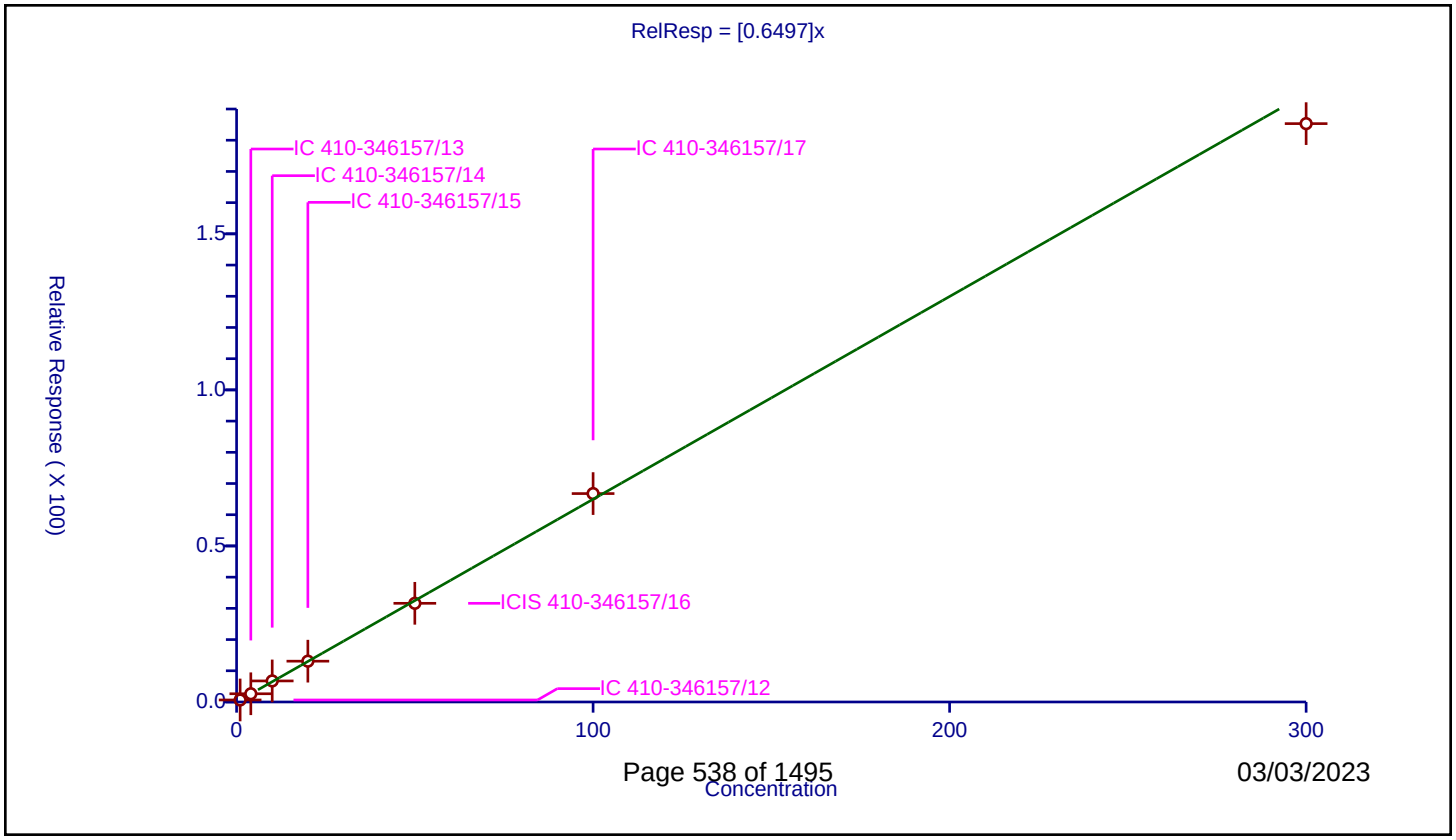
Curve Coefficients

Intercept:	0
Slope:	0.6497

Error Coefficients

Standard Error:	2090000
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 410-346157/12	1.0	0.643083	50.0	1200933.0	0.643083	Y
2	IC 410-346157/13	4.0	2.633627	50.0	1229483.0	0.658407	Y
3	IC 410-346157/14	10.0	6.746019	50.0	1190643.0	0.674602	Y
4	IC 410-346157/15	20.0	13.074537	50.0	1241979.0	0.653727	Y
5	ICIS 410-346157/16	50.0	31.61544	50.0	1238950.0	0.632309	Y
6	IC 410-346157/17	100.0	66.778416	50.0	1212087.0	0.667784	Y
7	IC 410-346157/18	300.0	185.314722	50.0	1292141.0	0.617716	Y



Calibration / Dibromofluoromethane (Surr)

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

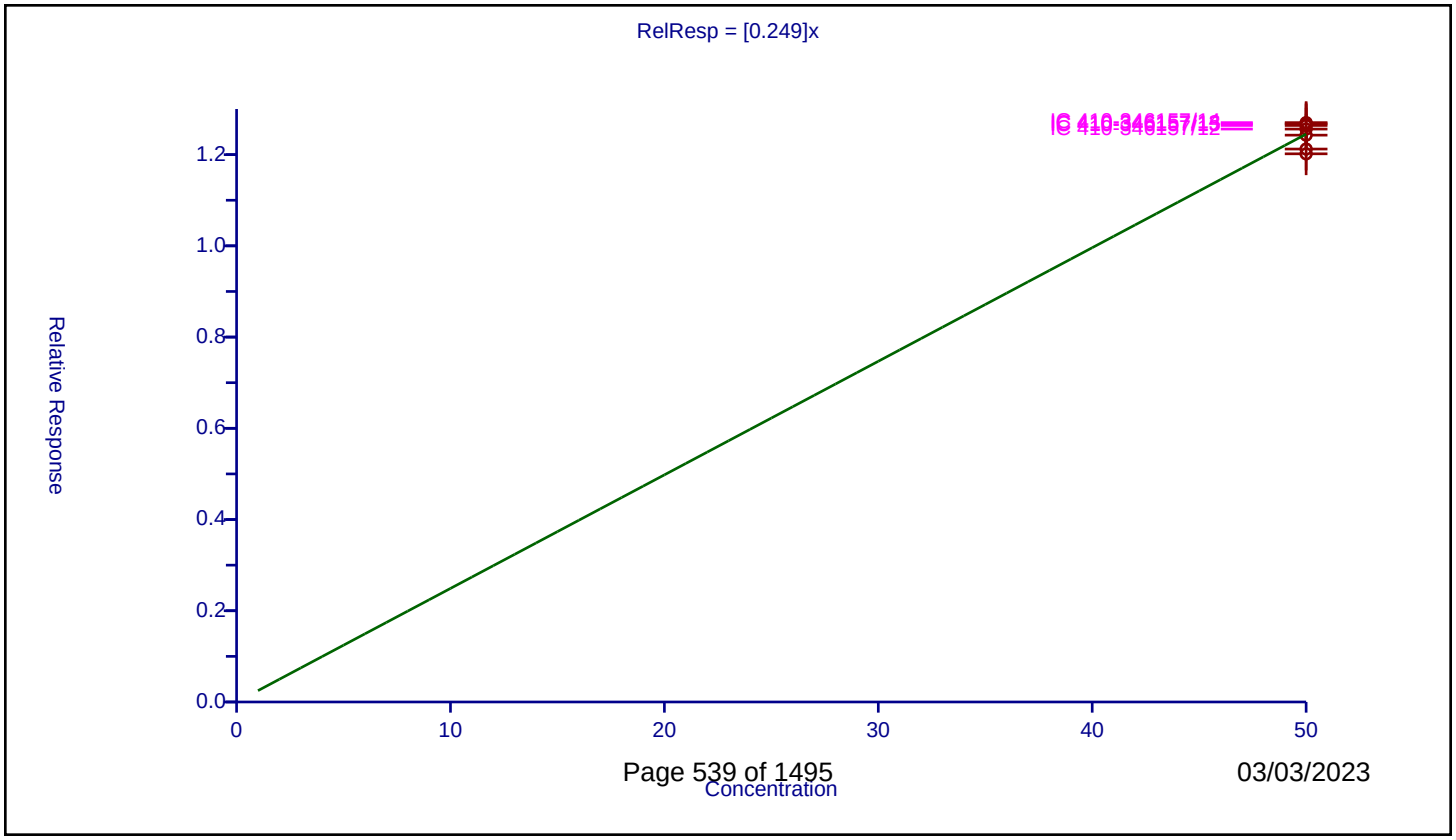
Curve Coefficients

Intercept:	0
Slope:	0.249

Error Coefficients

Standard Error:	331000
Relative Standard Error:	2.2
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0.000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	50.0	12.560193	50.0	1200933.0	0.251204	Y
2	IC 410-346157/13	50.0	12.674921	50.0	1229483.0	0.253498	Y
3	IC 410-346157/14	50.0	12.701666	50.0	1190643.0	0.254033	Y
4	IC 410-346157/15	50.0	12.639465	50.0	1241979.0	0.252789	Y
5	ICIS 410-346157/16	50.0	12.426974	50.0	1238950.0	0.248539	Y
6	IC 410-346157/17	50.0	12.122397	50.0	1212087.0	0.242448	Y
7	IC 410-346157/18	50.0	12.017922	50.0	1292141.0	0.240358	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

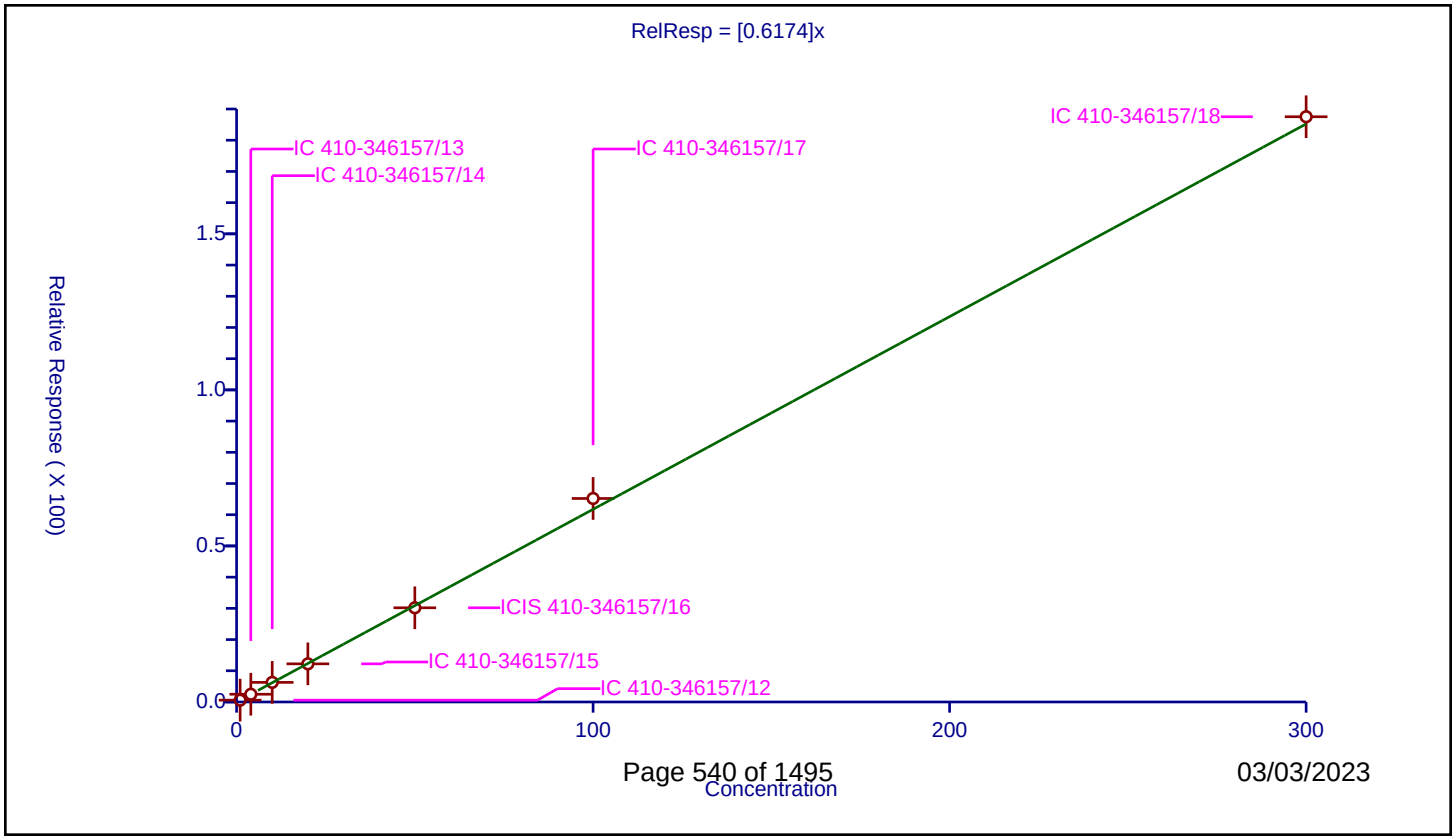
Curve Coefficients

Intercept:	0
Slope:	0.6174

Error Coefficients

Standard Error:	2110000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.581465	50.0	1200933.0	0.581465	Y
2	IC 410-346157/13	4.0	2.478521	50.0	1229483.0	0.61963	Y
3	IC 410-346157/14	10.0	6.286015	50.0	1190643.0	0.628602	Y
4	IC 410-346157/15	20.0	12.225086	50.0	1241979.0	0.611254	Y
5	ICIS 410-346157/16	50.0	30.179507	50.0	1238950.0	0.60359	Y
6	IC 410-346157/17	100.0	65.210624	50.0	1212087.0	0.652106	Y
7	IC 410-346157/18	300.0	187.524968	50.0	1292141.0	0.625083	Y



03/03/2023

Calibration / Cyclohexane

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

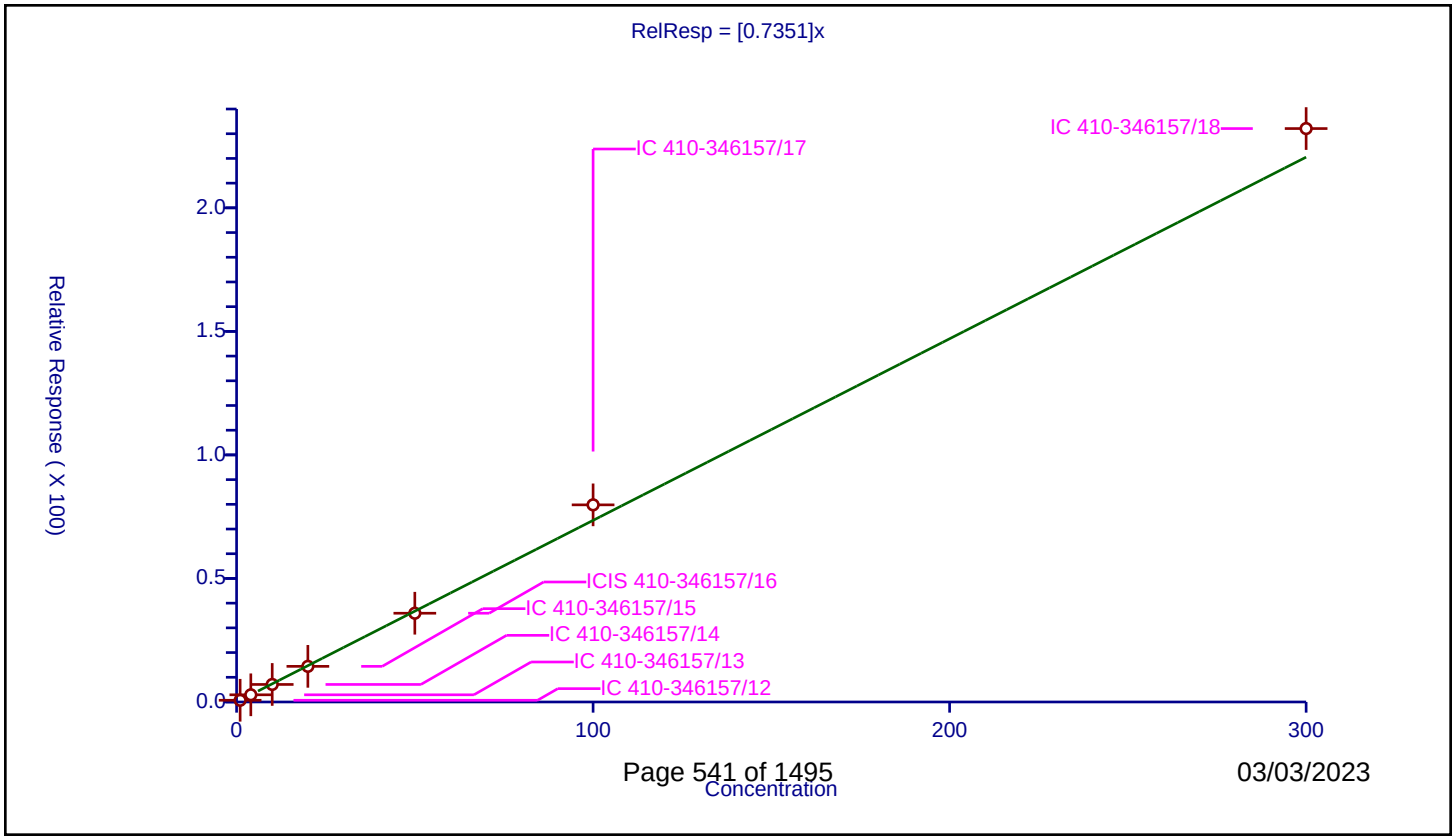
Curve Coefficients

Intercept:	0
Slope:	0.7351

Error Coefficients

Standard Error:	2600000
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 410-346157/12	1.0	0.697458	50.0	1200933.0	0.697458	Y
2	IC 410-346157/13	4.0	2.907401	50.0	1229483.0	0.72685	Y
3	IC 410-346157/14	10.0	7.099189	50.0	1190643.0	0.709919	Y
4	IC 410-346157/15	20.0	14.425244	50.0	1241979.0	0.721262	Y
5	ICIS 410-346157/16	50.0	35.923887	50.0	1238950.0	0.718478	Y
6	IC 410-346157/17	100.0	79.788662	50.0	1212087.0	0.797887	Y
7	IC 410-346157/18	300.0	232.09019	50.0	1292141.0	0.773634	Y



03/03/2023

Calibration / 1,1-Dichloropropene

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

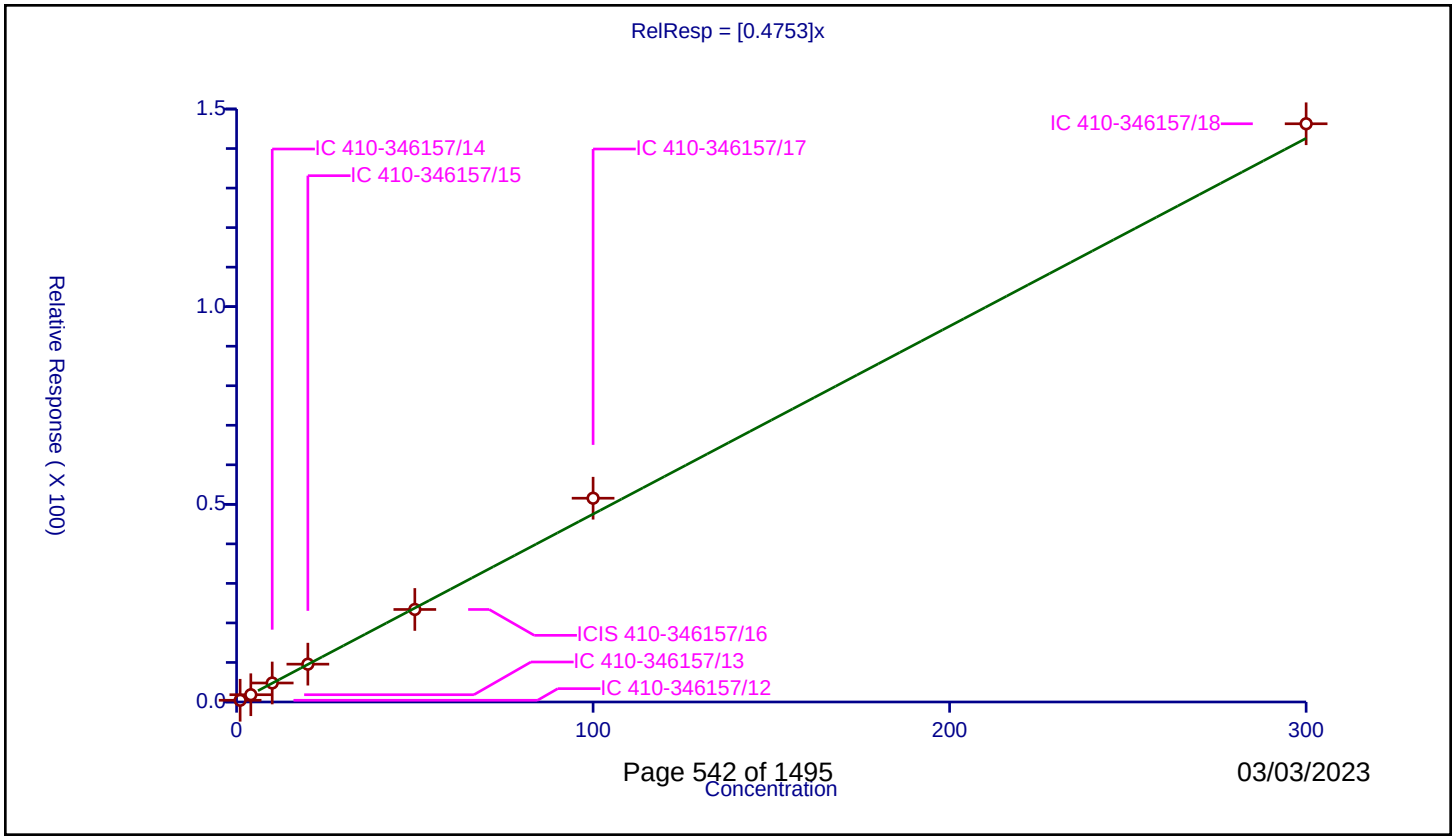
Curve Coefficients

Intercept:	0
Slope:	0.4753

Error Coefficients

Standard Error:	1650000
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 410-346157/12	1.0	0.437576	50.0	1200933.0	0.437576	Y
2	IC 410-346157/13	4.0	1.837846	50.0	1229483.0	0.459461	Y
3	IC 410-346157/14	10.0	4.804631	50.0	1190643.0	0.480463	Y
4	IC 410-346157/15	20.0	9.569767	50.0	1241979.0	0.478488	Y
5	ICIS 410-346157/16	50.0	23.404213	50.0	1238950.0	0.468084	Y
6	IC 410-346157/17	100.0	51.547785	50.0	1212087.0	0.515478	Y
7	IC 410-346157/18	300.0	146.266971	50.0	1292141.0	0.487557	Y



Calibration / Carbon tetrachloride

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

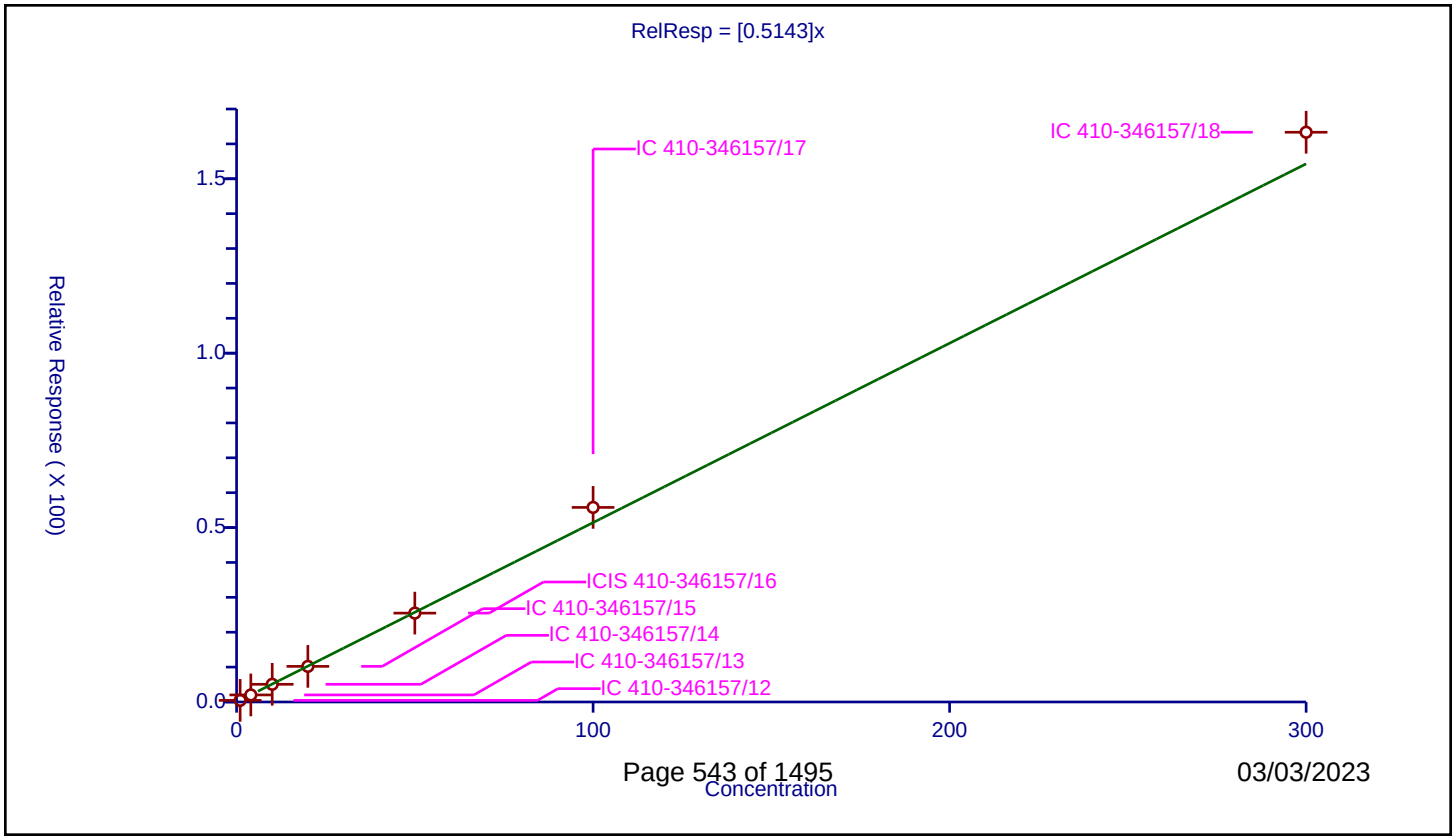
Curve Coefficients

Intercept:	0
Slope:	0.5143

Error Coefficients

Standard Error:	1830000
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 410-346157/12	1.0	0.464555	50.0	1200933.0	0.464555	Y
2	IC 410-346157/13	4.0	2.022801	50.0	1229483.0	0.5057	Y
3	IC 410-346157/14	10.0	5.072721	50.0	1190643.0	0.507272	Y
4	IC 410-346157/15	20.0	10.213337	50.0	1241979.0	0.510667	Y
5	ICIS 410-346157/16	50.0	25.479075	50.0	1238950.0	0.509582	Y
6	IC 410-346157/17	100.0	55.784238	50.0	1212087.0	0.557842	Y
7	IC 410-346157/18	300.0	163.339566	50.0	1292141.0	0.544465	Y



Calibration / Isobutyl alcohol

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

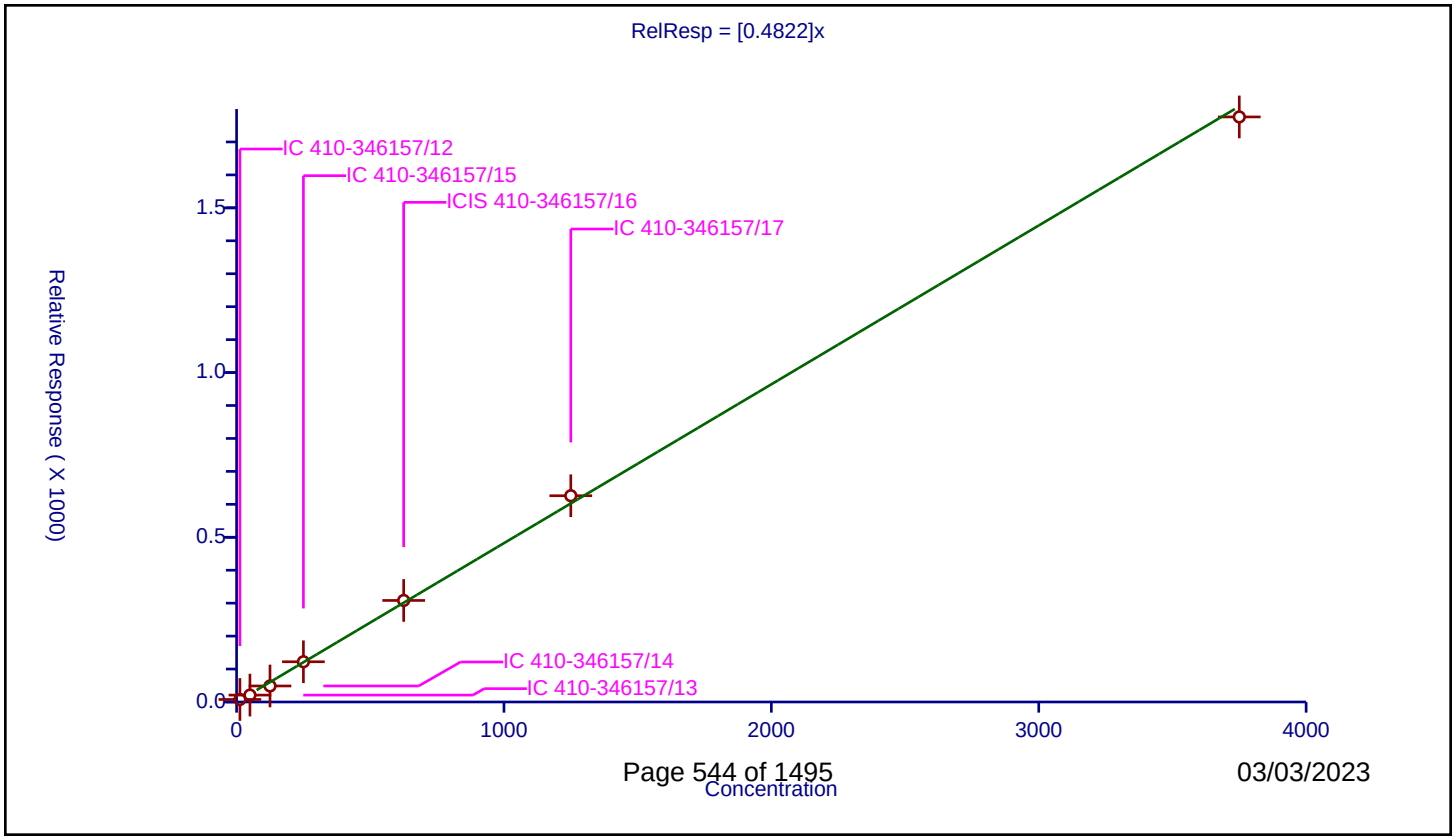
Curve Coefficients

Intercept:	0
Slope:	0.4822

Error Coefficients

Standard Error:	2230000
Relative Standard Error:	14.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	12.5	7.640445	250.0	677153.0	0.611236	Y
2	IC 410-346157/13	50.0	20.960323	250.0	641128.0	0.419206	Y
3	IC 410-346157/14	125.0	48.586982	250.0	579929.0	0.388696	Y
4	IC 410-346157/15	250.0	122.072671	250.0	687017.0	0.488291	Y
5	ICIS 410-346157/16	625.0	308.21495	250.0	693297.0	0.493144	Y
6	IC 410-346157/17	1250.0	626.118504	250.0	565264.0	0.500895	Y
7	IC 410-346157/18	3750.0	1775.976748	250.0	731279.0	0.473594	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

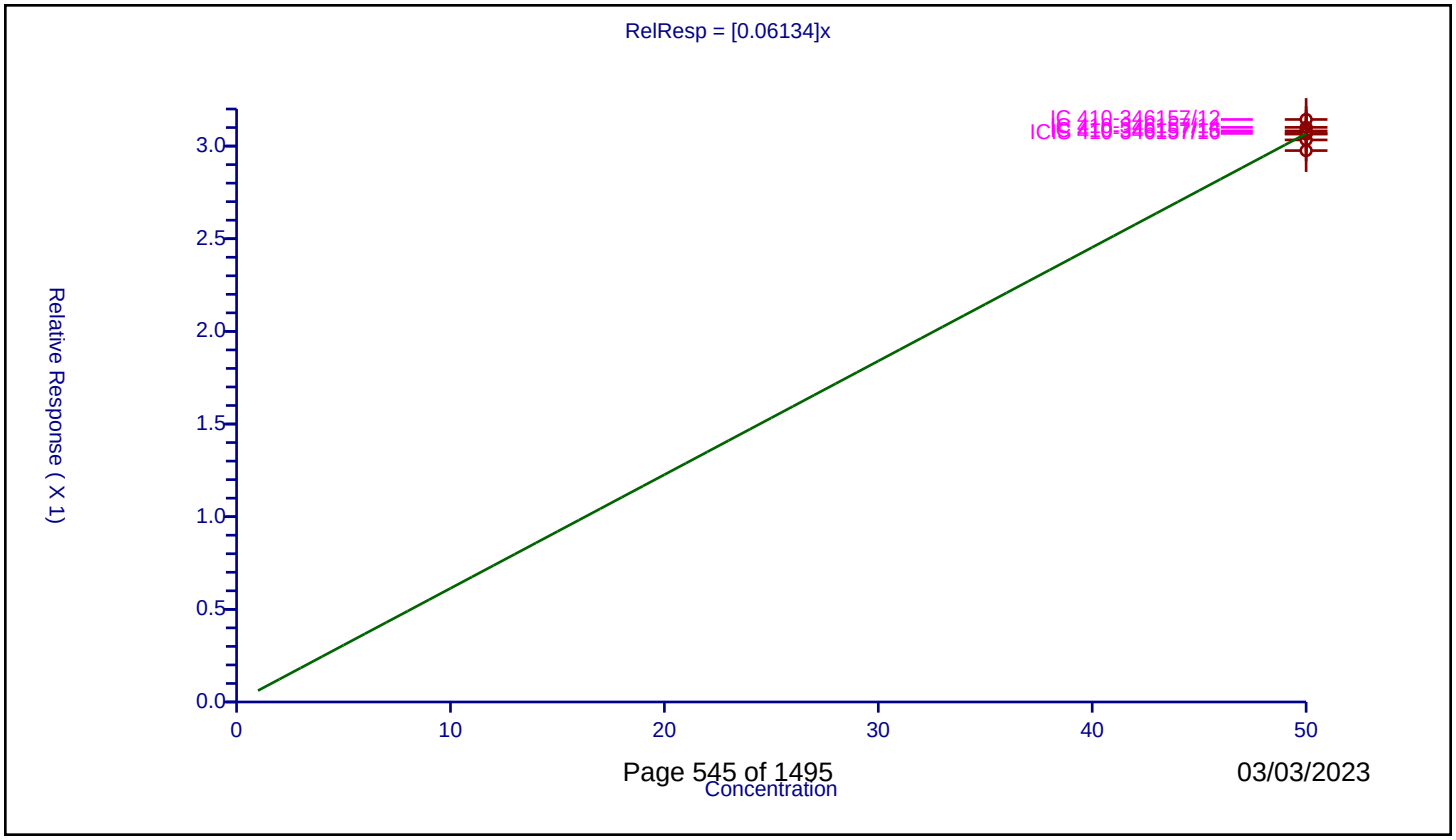
Curve Coefficients

Intercept:	0
Slope:	0.06134

Error Coefficients

Standard Error:	81400
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 410-346157/12	50.0	3.143598	50.0	1200933.0	0.062872	Y
2	IC 410-346157/13	50.0	3.06454	50.0	1229483.0	0.061291	Y
3	IC 410-346157/14	50.0	3.100971	50.0	1190643.0	0.062019	Y
4	IC 410-346157/15	50.0	3.081695	50.0	1241979.0	0.061634	Y
5	ICIS 410-346157/16	50.0	3.068284	50.0	1238950.0	0.061366	Y
6	IC 410-346157/17	50.0	3.033281	50.0	1212087.0	0.060666	Y
7	IC 410-346157/18	50.0	2.975643	50.0	1292141.0	0.059513	Y



Calibration / Benzene

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

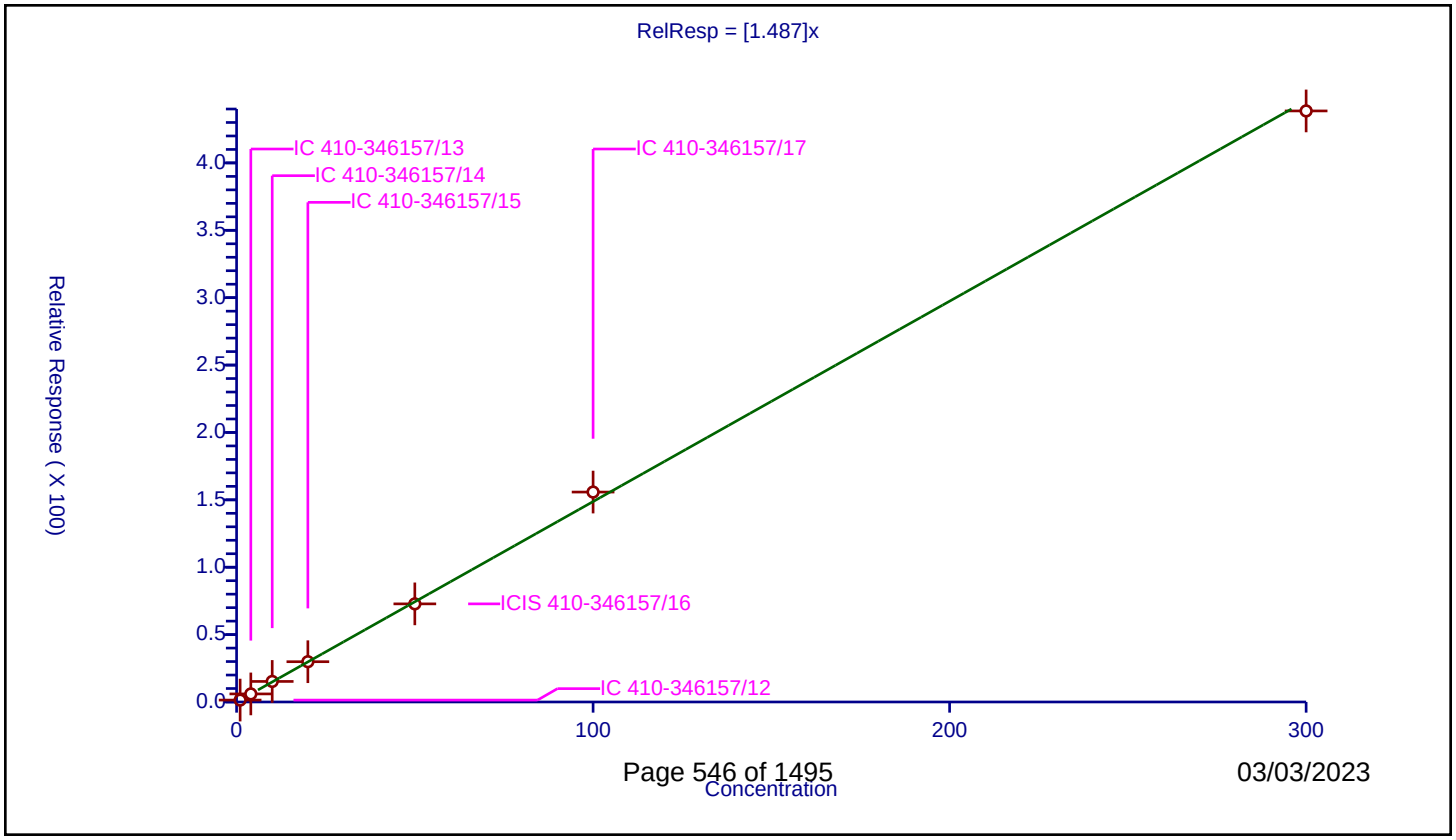
Curve Coefficients

Intercept:	0
Slope:	1.487

Error Coefficients

Standard Error:	4940000
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 410-346157/12	1.0	1.41848	50.0	1200933.0	1.41848	Y
2	IC 410-346157/13	4.0	5.97918	50.0	1229483.0	1.494795	Y
3	IC 410-346157/14	10.0	15.252683	50.0	1190643.0	1.525268	Y
4	IC 410-346157/15	20.0	29.896278	50.0	1241979.0	1.494814	Y
5	ICIS 410-346157/16	50.0	72.814157	50.0	1238950.0	1.456283	Y
6	IC 410-346157/17	100.0	155.76782	50.0	1212087.0	1.557678	Y
7	IC 410-346157/18	300.0	438.572377	50.0	1292141.0	1.461908	Y



Calibration / 1,2-Dichloroethane

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

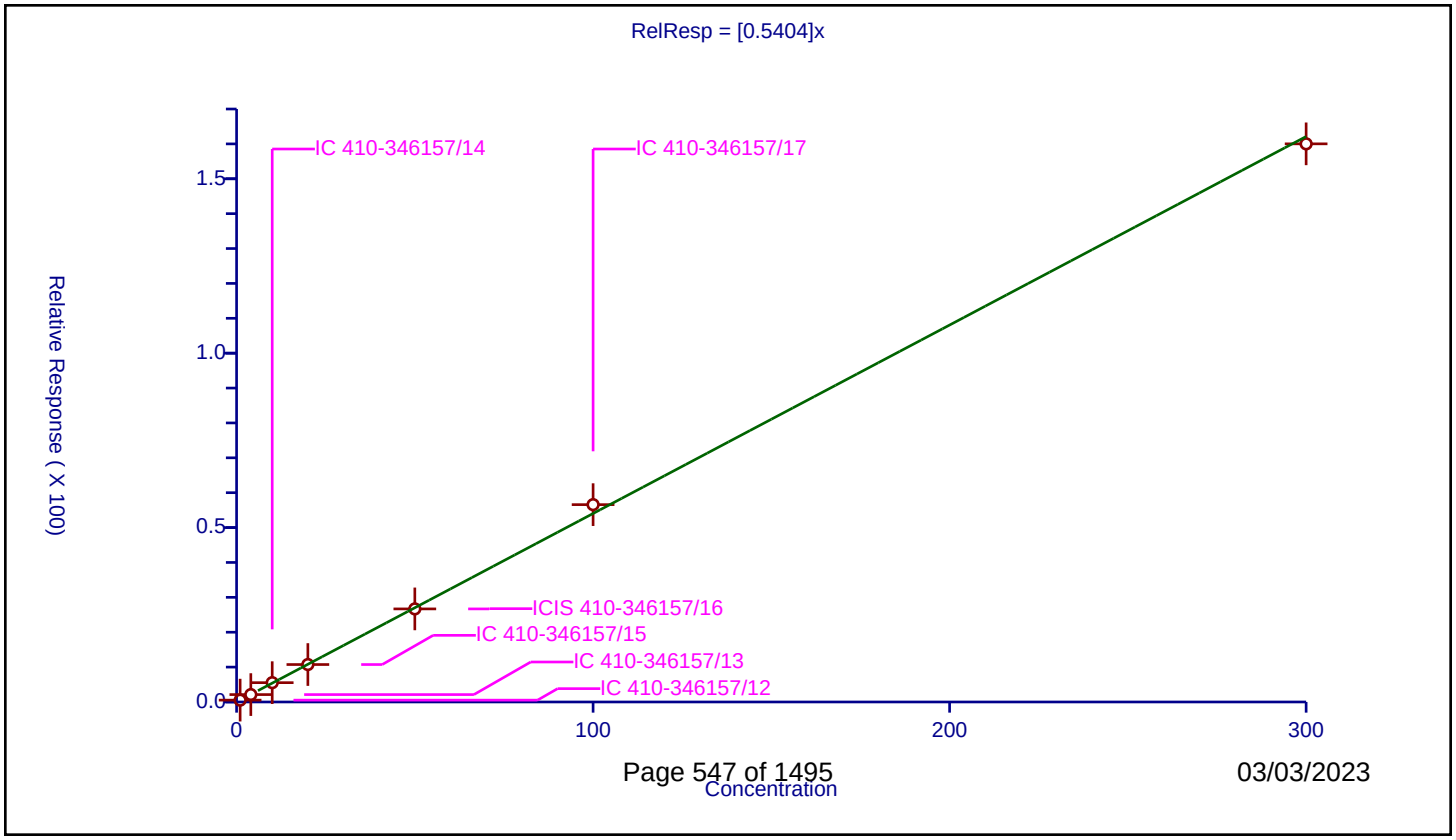
Curve Coefficients

Intercept:	0
Slope:	0.5404

Error Coefficients

Standard Error:	1800000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.528839	50.0	1200933.0	0.528839	Y
2	IC 410-346157/13	4.0	2.119956	50.0	1229483.0	0.529989	Y
3	IC 410-346157/14	10.0	5.54104	50.0	1190643.0	0.554104	Y
4	IC 410-346157/15	20.0	10.735286	50.0	1241979.0	0.536764	Y
5	ICIS 410-346157/16	50.0	26.685137	50.0	1238950.0	0.533703	Y
6	IC 410-346157/17	100.0	56.577003	50.0	1212087.0	0.56577	Y
7	IC 410-346157/18	300.0	160.014503	50.0	1292141.0	0.533382	Y



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Calibration / Tert-amyl methyl ether

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

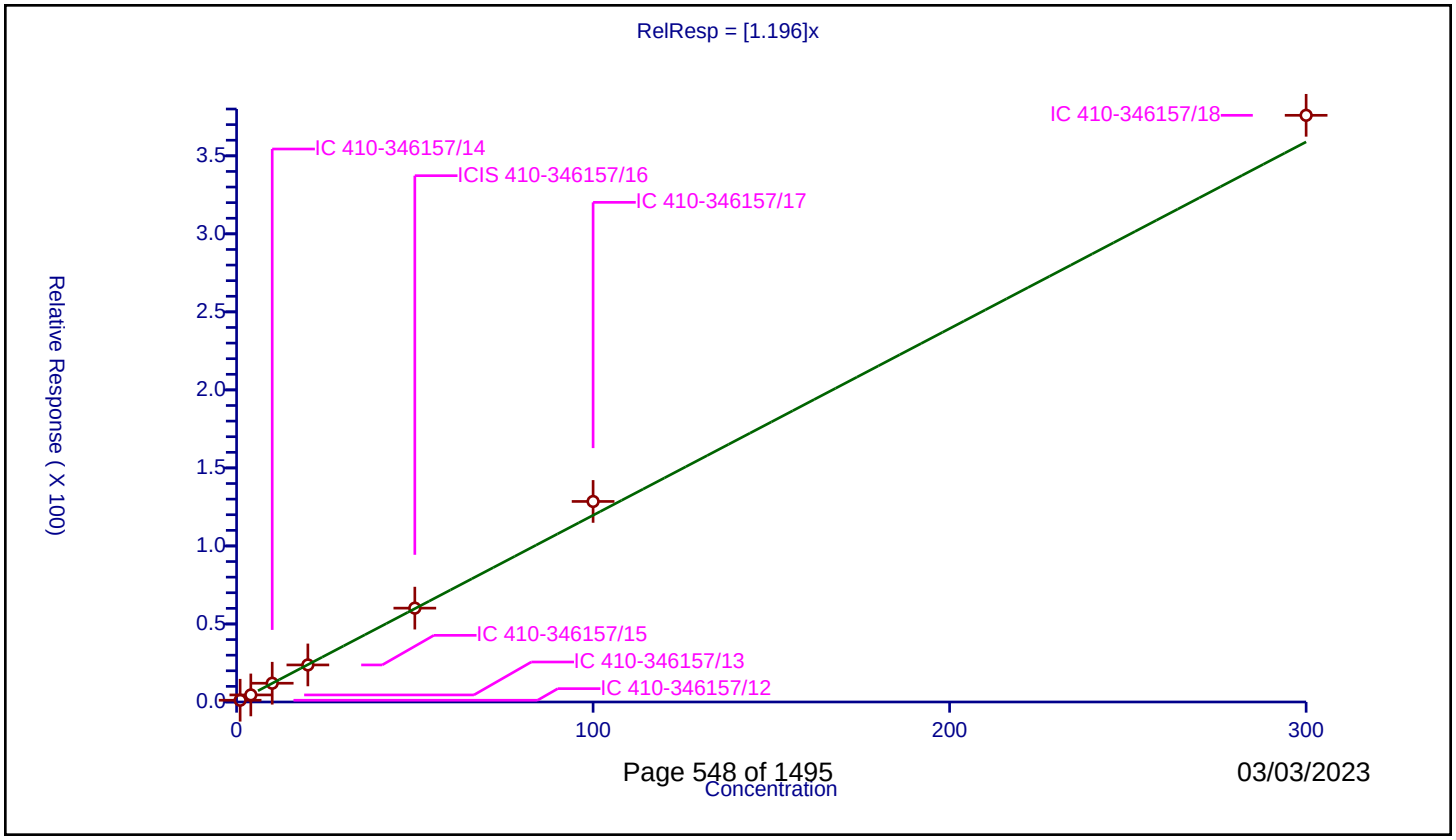
Curve Coefficients

Intercept:	0
Slope:	1.196

Error Coefficients

Standard Error:	4220000
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 410-346157/12	1.0	1.114092	50.0	1200933.0	1.114092	Y
2	IC 410-346157/13	4.0	4.523731	50.0	1229483.0	1.130933	Y
3	IC 410-346157/14	10.0	12.017708	50.0	1190643.0	1.201771	Y
4	IC 410-346157/15	20.0	23.739612	50.0	1241979.0	1.186981	Y
5	ICIS 410-346157/16	50.0	60.150773	50.0	1238950.0	1.203015	Y
6	IC 410-346157/17	100.0	128.509298	50.0	1212087.0	1.285093	Y
7	IC 410-346157/18	300.0	375.974023	50.0	1292141.0	1.253247	Y



Calibration / n-Heptane

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

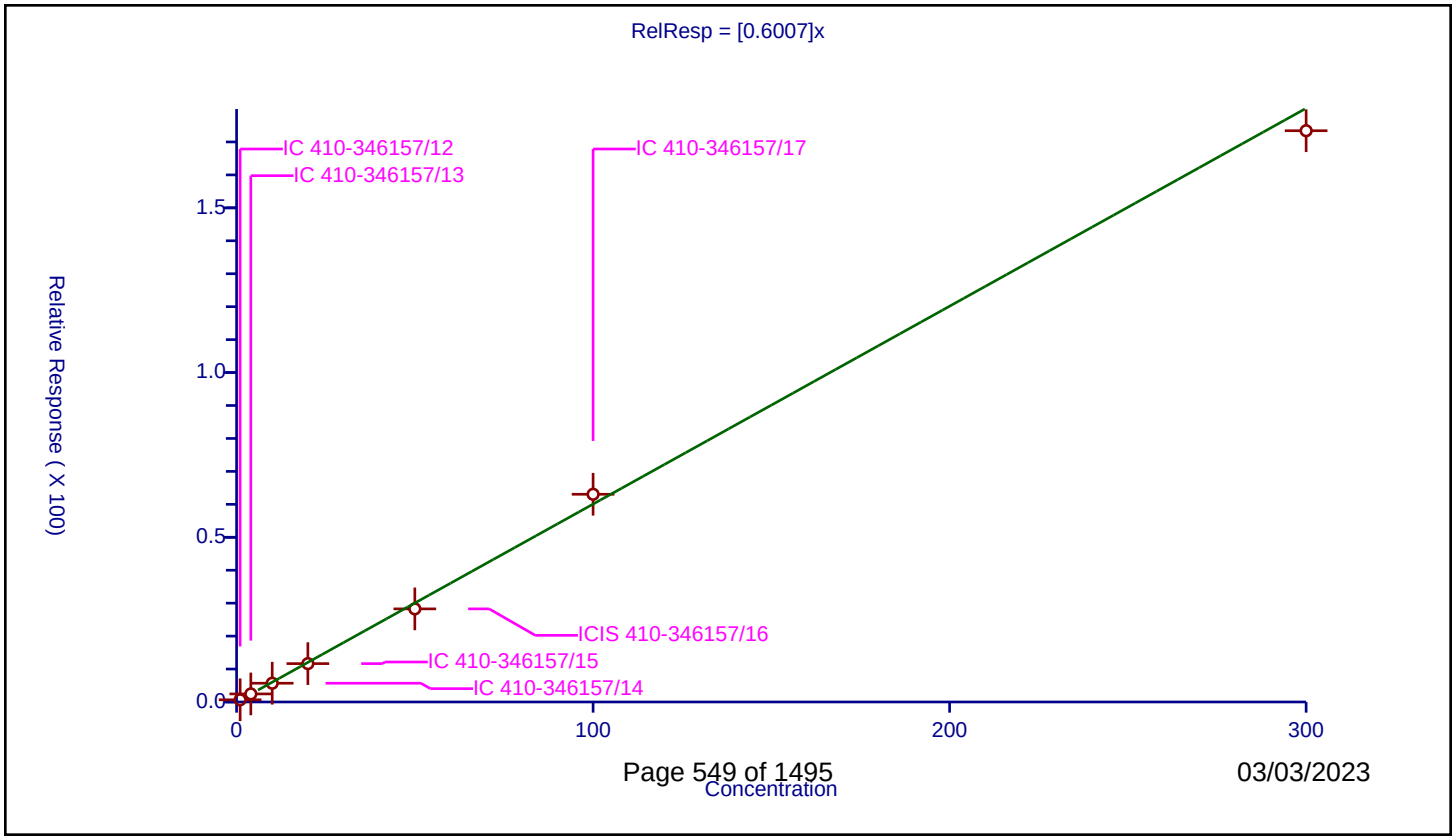
Curve Coefficients

Intercept:	0
Slope:	0.6007

Error Coefficients

Standard Error:	1960000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.668522	50.0	1200933.0	0.668522	Y
2	IC 410-346157/13	4.0	2.445011	50.0	1229483.0	0.611253	Y
3	IC 410-346157/14	10.0	5.693814	50.0	1190643.0	0.569381	Y
4	IC 410-346157/15	20.0	11.641622	50.0	1241979.0	0.582081	Y
5	ICIS 410-346157/16	50.0	28.2624	50.0	1238950.0	0.565248	Y
6	IC 410-346157/17	100.0	63.053065	50.0	1212087.0	0.630531	Y
7	IC 410-346157/18	300.0	173.413234	50.0	1292141.0	0.578044	Y



Calibration / n-Butanol

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

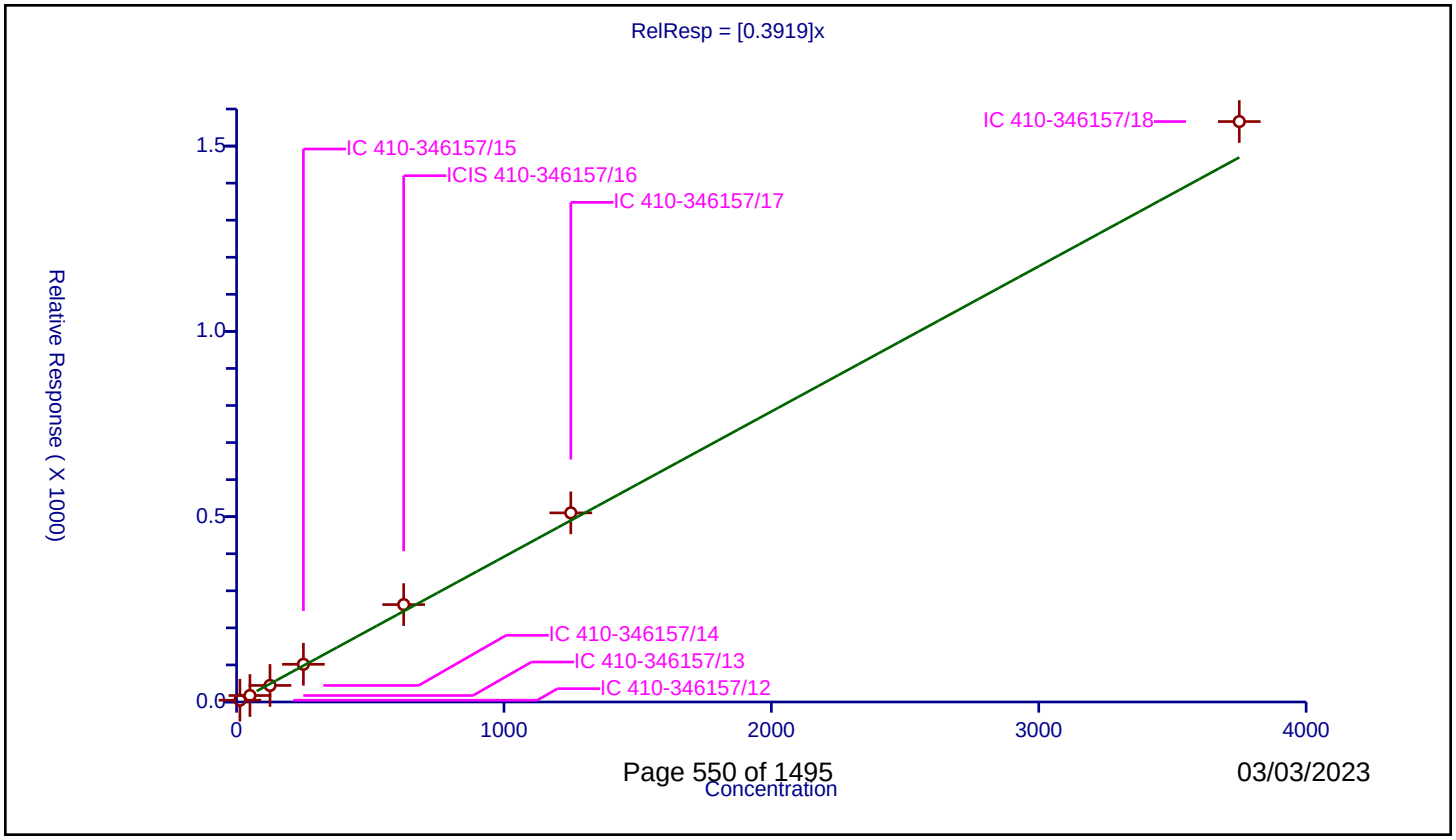
Curve Coefficients

Intercept:	0
Slope:	0.3919

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	7.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	12.5	4.80246	250.0	677153.0	0.384197	Y
2	IC 410-346157/13	50.0	17.438795	250.0	641128.0	0.348776	Y
3	IC 410-346157/14	125.0	44.623566	250.0	579929.0	0.356989	Y
4	IC 410-346157/15	250.0	101.676159	250.0	687017.0	0.406705	Y
5	ICIS 410-346157/16	625.0	262.797185	250.0	693297.0	0.420475	Y
6	IC 410-346157/17	1250.0	510.246982	250.0	565264.0	0.408198	Y
7	IC 410-346157/18	3750.0	1566.157376	250.0	731279.0	0.417642	Y



Calibration / Trichloroethene

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

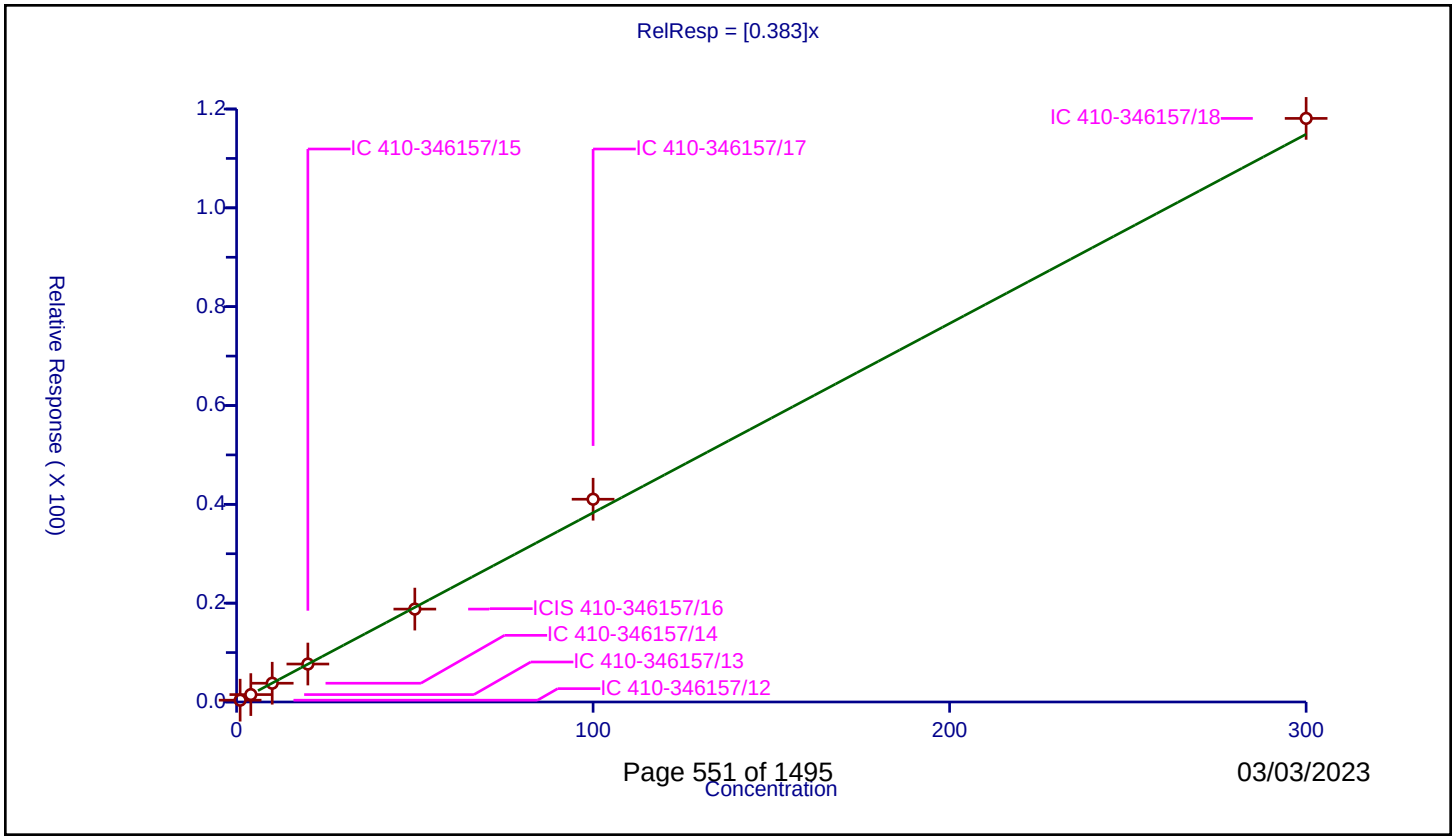
Curve Coefficients

Intercept:	0
Slope:	0.383

Error Coefficients

Standard Error:	1330000
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 410-346157/12	1.0	0.363051	50.0	1200933.0	0.363051	Y
2	IC 410-346157/13	4.0	1.497052	50.0	1229483.0	0.374263	Y
3	IC 410-346157/14	10.0	3.795134	50.0	1190643.0	0.379513	Y
4	IC 410-346157/15	20.0	7.68294	50.0	1241979.0	0.384147	Y
5	ICIS 410-346157/16	50.0	18.801162	50.0	1238950.0	0.376023	Y
6	IC 410-346157/17	100.0	41.034224	50.0	1212087.0	0.410342	Y
7	IC 410-346157/18	300.0	118.100153	50.0	1292141.0	0.393667	Y



Calibration / Methylcyclohexane

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

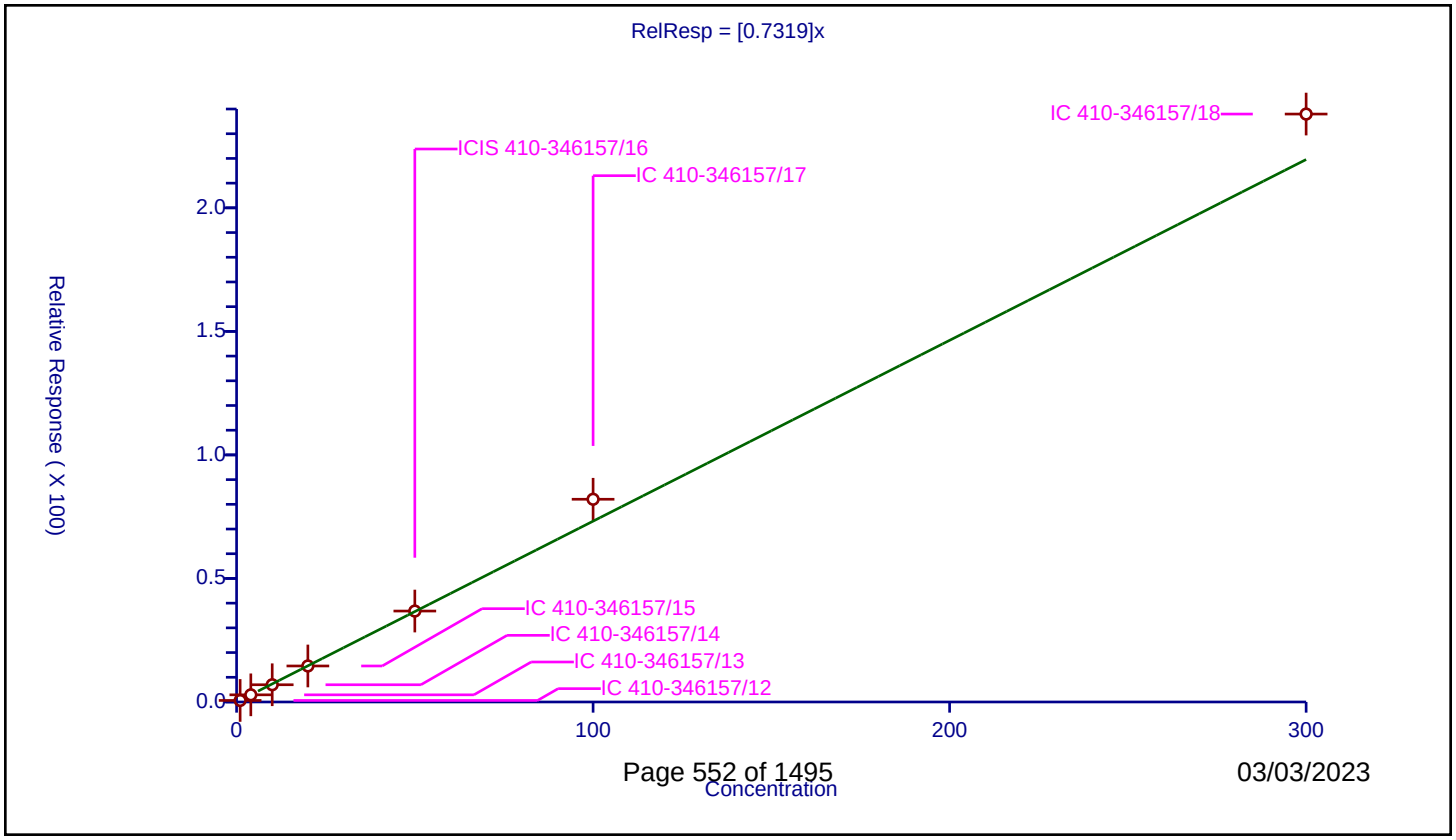
Curve Coefficients

Intercept:	0
Slope:	0.7319

Error Coefficients

Standard Error:	2670000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.622766	50.0	1200933.0	0.622766	Y
2	IC 410-346157/13	4.0	2.892639	50.0	1229483.0	0.72316	Y
3	IC 410-346157/14	10.0	6.982404	50.0	1190643.0	0.69824	Y
4	IC 410-346157/15	20.0	14.579272	50.0	1241979.0	0.728964	Y
5	ICIS 410-346157/16	50.0	36.808749	50.0	1238950.0	0.736175	Y
6	IC 410-346157/17	100.0	82.052196	50.0	1212087.0	0.820522	Y
7	IC 410-346157/18	300.0	237.961801	50.0	1292141.0	0.793206	Y



Calibration / 1,2-Dichloropropane

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

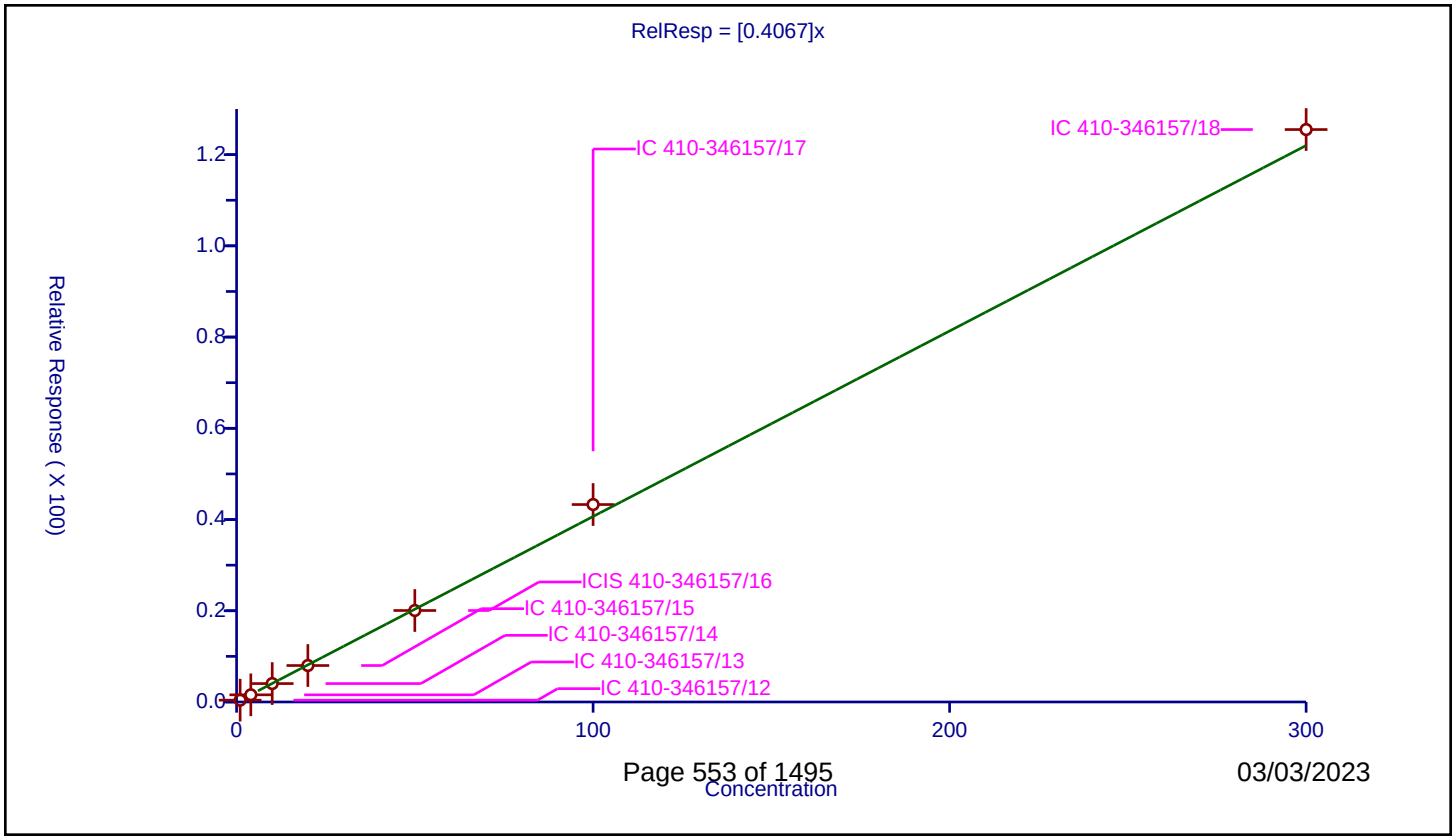
Curve Coefficients

Intercept:	0
Slope:	0.4067

Error Coefficients

Standard Error:	1410000
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 410-346157/12	1.0	0.399106	50.0	1200933.0	0.399106	Y
2	IC 410-346157/13	4.0	1.567203	50.0	1229483.0	0.391801	Y
3	IC 410-346157/14	10.0	4.037356	50.0	1190643.0	0.403736	Y
4	IC 410-346157/15	20.0	7.994861	50.0	1241979.0	0.399743	Y
5	ICIS 410-346157/16	50.0	20.058235	50.0	1238950.0	0.401165	Y
6	IC 410-346157/17	100.0	43.290704	50.0	1212087.0	0.432907	Y
7	IC 410-346157/18	300.0	125.49803	50.0	1292141.0	0.418327	Y



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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

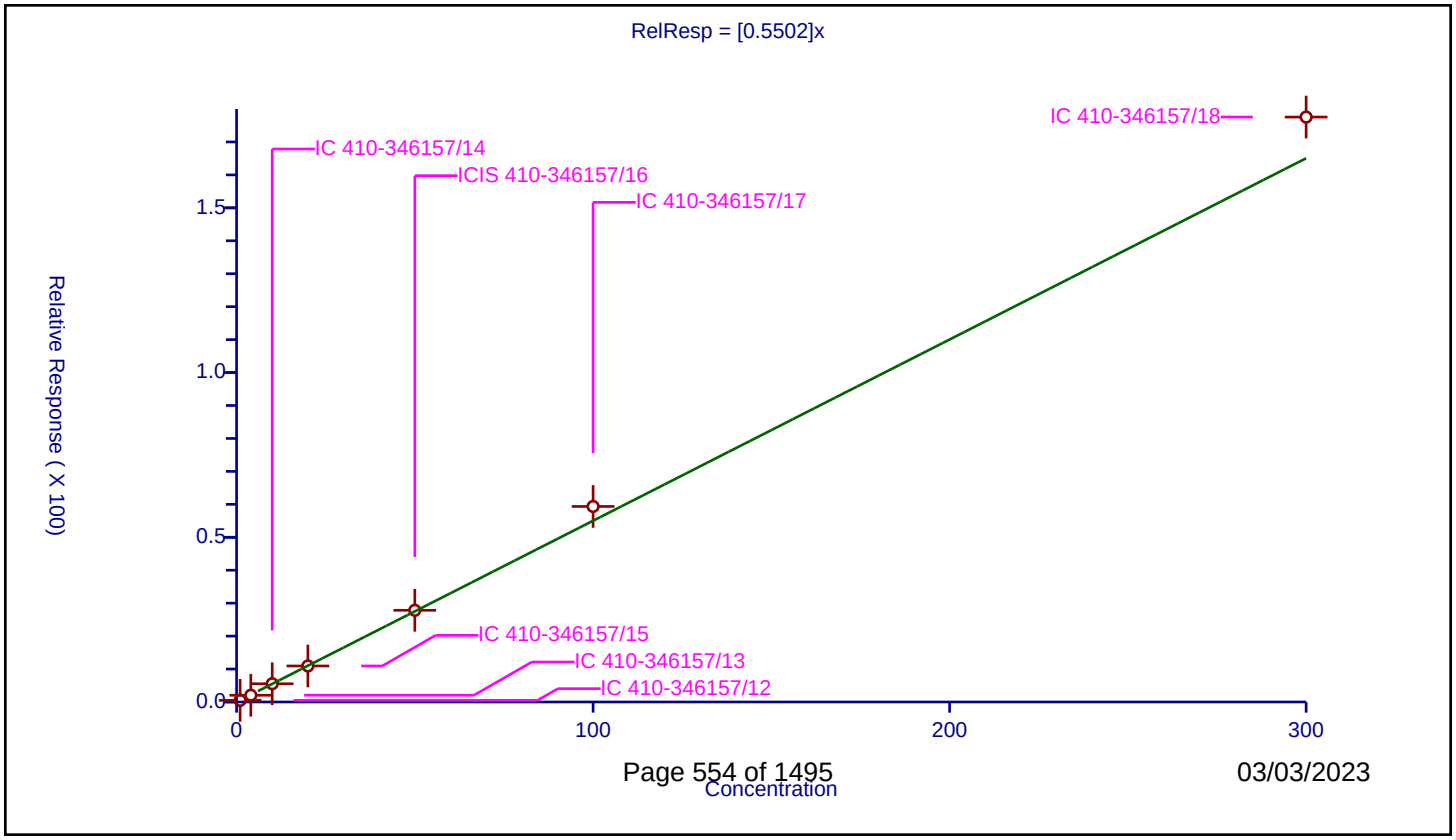
Curve Coefficients

Intercept:	0
Slope:	0.5502

Error Coefficients

Standard Error:	1990000
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 410-346157/12	1.0	0.496989	50.0	1200933.0	0.496989	Y
2	IC 410-346157/13	4.0	2.047121	50.0	1229483.0	0.51178	Y
3	IC 410-346157/14	10.0	5.535328	50.0	1190643.0	0.553533	Y
4	IC 410-346157/15	20.0	10.933156	50.0	1241979.0	0.546658	Y
5	ICIS 410-346157/16	50.0	27.835587	50.0	1238950.0	0.556712	Y
6	IC 410-346157/17	100.0	59.358115	50.0	1212087.0	0.593581	Y
7	IC 410-346157/18	300.0	177.554771	50.0	1292141.0	0.591849	Y



Calibration / Methyl methacrylate

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

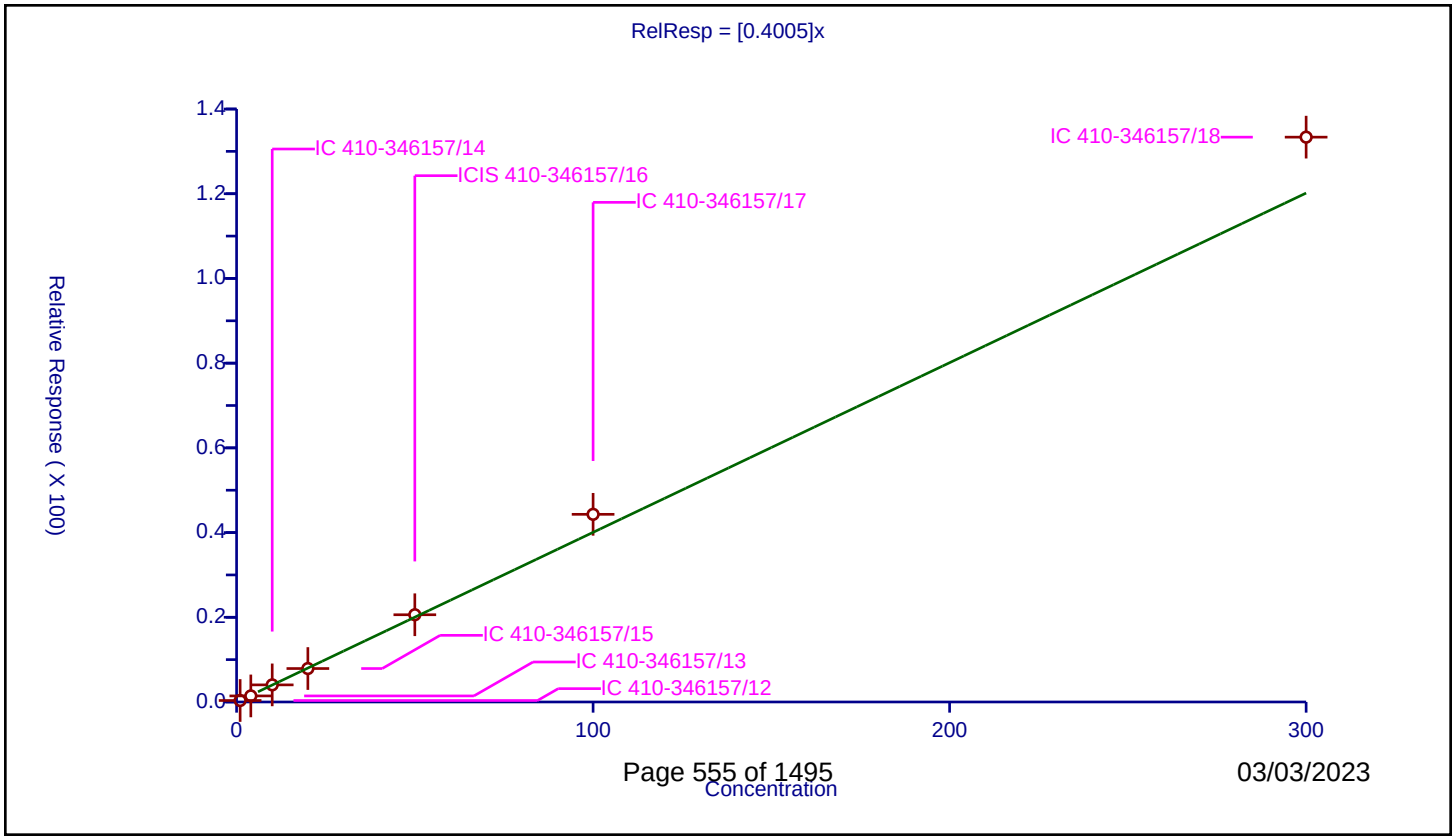
Curve Coefficients

Intercept:	0
Slope:	0.4005

Error Coefficients

Standard Error:	1490000
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 410-346157/12	1.0	0.346939	50.0	1200933.0	0.346939	Y
2	IC 410-346157/13	4.0	1.432675	50.0	1229483.0	0.358169	Y
3	IC 410-346157/14	10.0	4.040254	50.0	1190643.0	0.404025	Y
4	IC 410-346157/15	20.0	7.897477	50.0	1241979.0	0.394874	Y
5	ICIS 410-346157/16	50.0	20.599984	50.0	1238950.0	0.412	Y
6	IC 410-346157/17	100.0	44.307876	50.0	1212087.0	0.443079	Y
7	IC 410-346157/18	300.0	133.357892	50.0	1292141.0	0.444526	Y



Calibration / 1,4-Dioxane

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

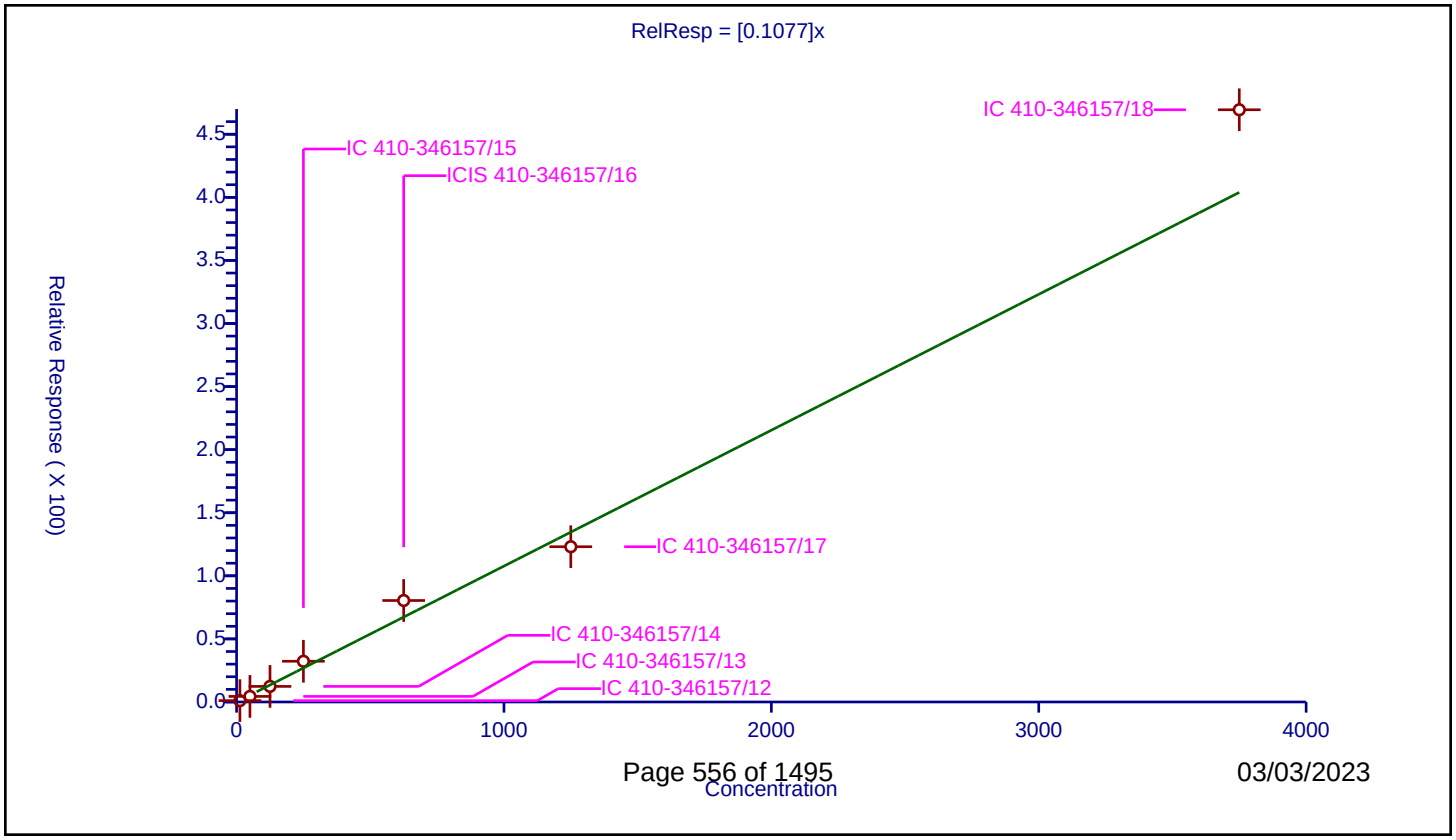
Curve Coefficients

Intercept:	0
Slope:	0.1077

Error Coefficients

Standard Error:	580000
Relative Standard Error:	18.0
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	12.5	1.061798	250.0	677153.0	0.084944	Y
2	IC 410-346157/13	50.0	4.433592	250.0	641128.0	0.088672	Y
3	IC 410-346157/14	125.0	12.360996	250.0	579929.0	0.098888	Y
4	IC 410-346157/15	250.0	32.280861	250.0	687017.0	0.129123	Y
5	ICIS 410-346157/16	625.0	80.431979	250.0	693297.0	0.128691	Y
6	IC 410-346157/17	1250.0	123.06241	250.0	565264.0	0.09845	Y
7	IC 410-346157/18	3750.0	469.403948	250.0	731279.0	0.125174	Y



03/03/2023

Calibration / Dibromomethane

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

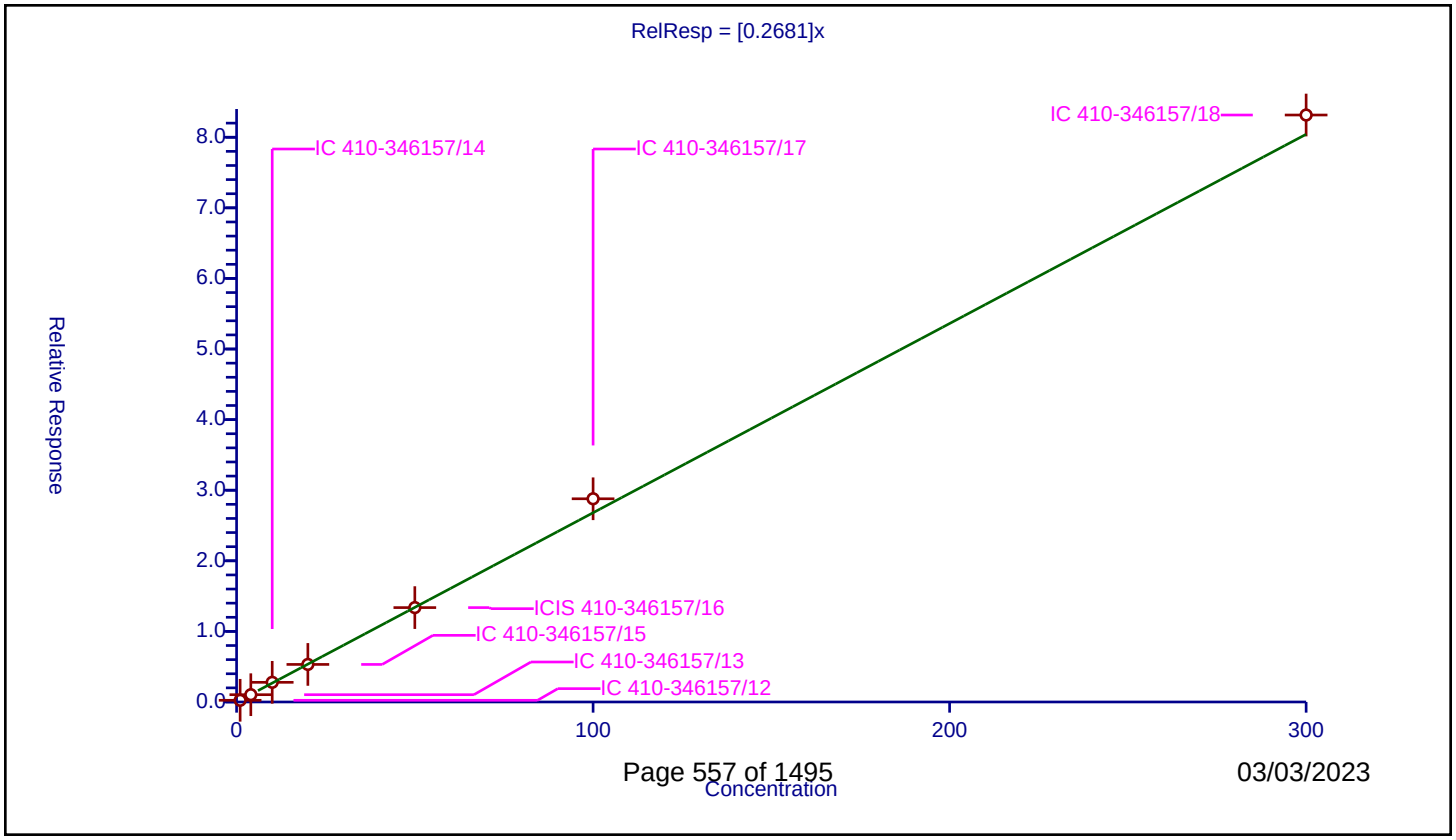
Curve Coefficients

Intercept:	0
Slope:	0.2681

Error Coefficients

Standard Error:	934000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.241271	50.0	1200933.0	0.241271	Y
2	IC 410-346157/13	4.0	1.03206	50.0	1229483.0	0.258015	Y
3	IC 410-346157/14	10.0	2.787569	50.0	1190643.0	0.278757	Y
4	IC 410-346157/15	20.0	5.319011	50.0	1241979.0	0.265951	Y
5	ICIS 410-346157/16	50.0	13.371484	50.0	1238950.0	0.26743	Y
6	IC 410-346157/17	100.0	28.788693	50.0	1212087.0	0.287887	Y
7	IC 410-346157/18	300.0	83.149323	50.0	1292141.0	0.277164	Y



Calibration / Dichlorobromomethane

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

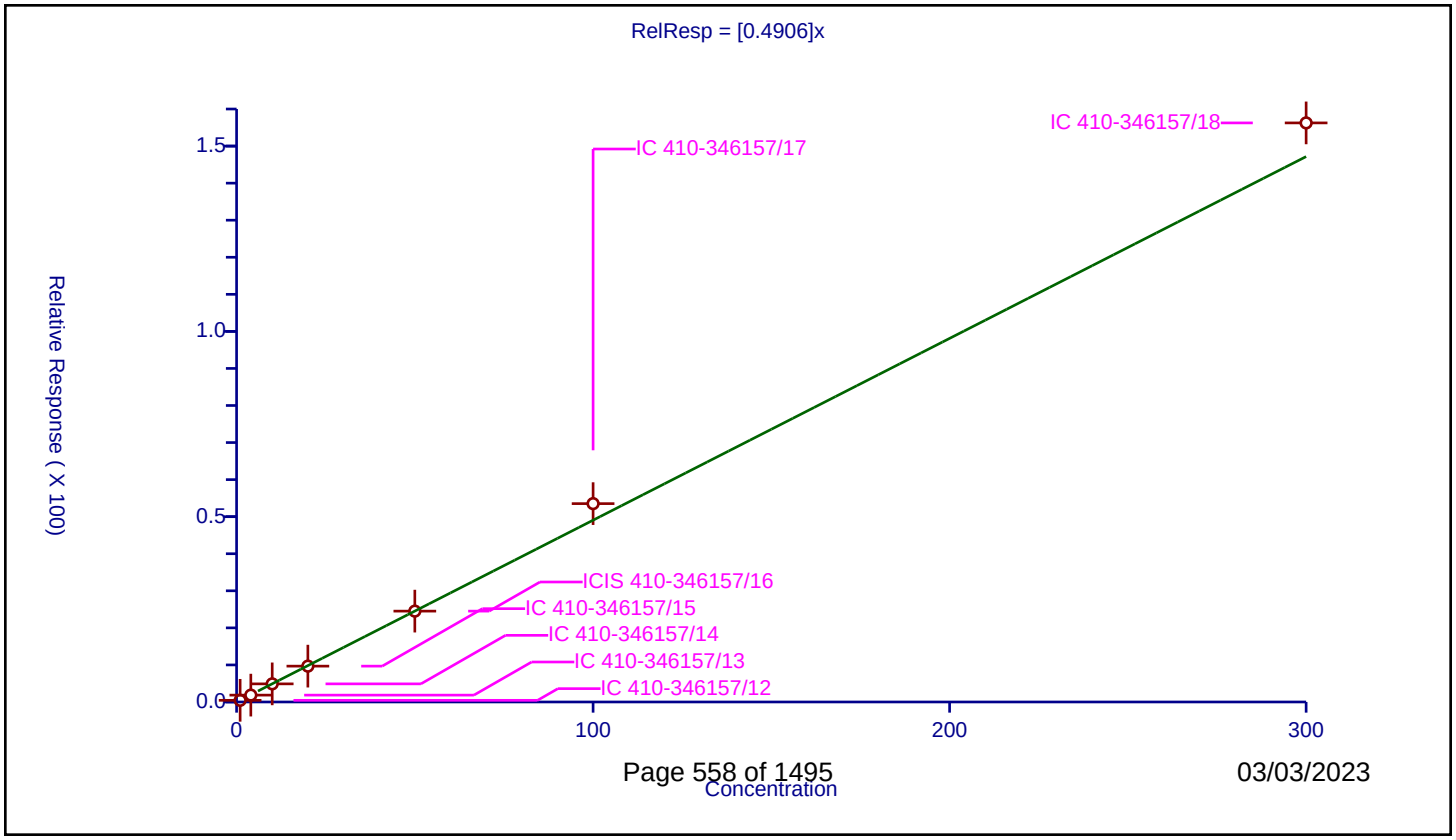
Curve Coefficients

Intercept:	0
Slope:	0.4906

Error Coefficients

Standard Error:	1750000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.450899	50.0	1200933.0	0.450899	Y
2	IC 410-346157/13	4.0	1.855048	50.0	1229483.0	0.463762	Y
3	IC 410-346157/14	10.0	4.89265	50.0	1190643.0	0.489265	Y
4	IC 410-346157/15	20.0	9.670735	50.0	1241979.0	0.483537	Y
5	ICIS 410-346157/16	50.0	24.515477	50.0	1238950.0	0.49031	Y
6	IC 410-346157/17	100.0	53.524664	50.0	1212087.0	0.535247	Y
7	IC 410-346157/18	300.0	156.24986	50.0	1292141.0	0.520833	Y



03/03/2023

Calibration / 2-Nitropropane

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

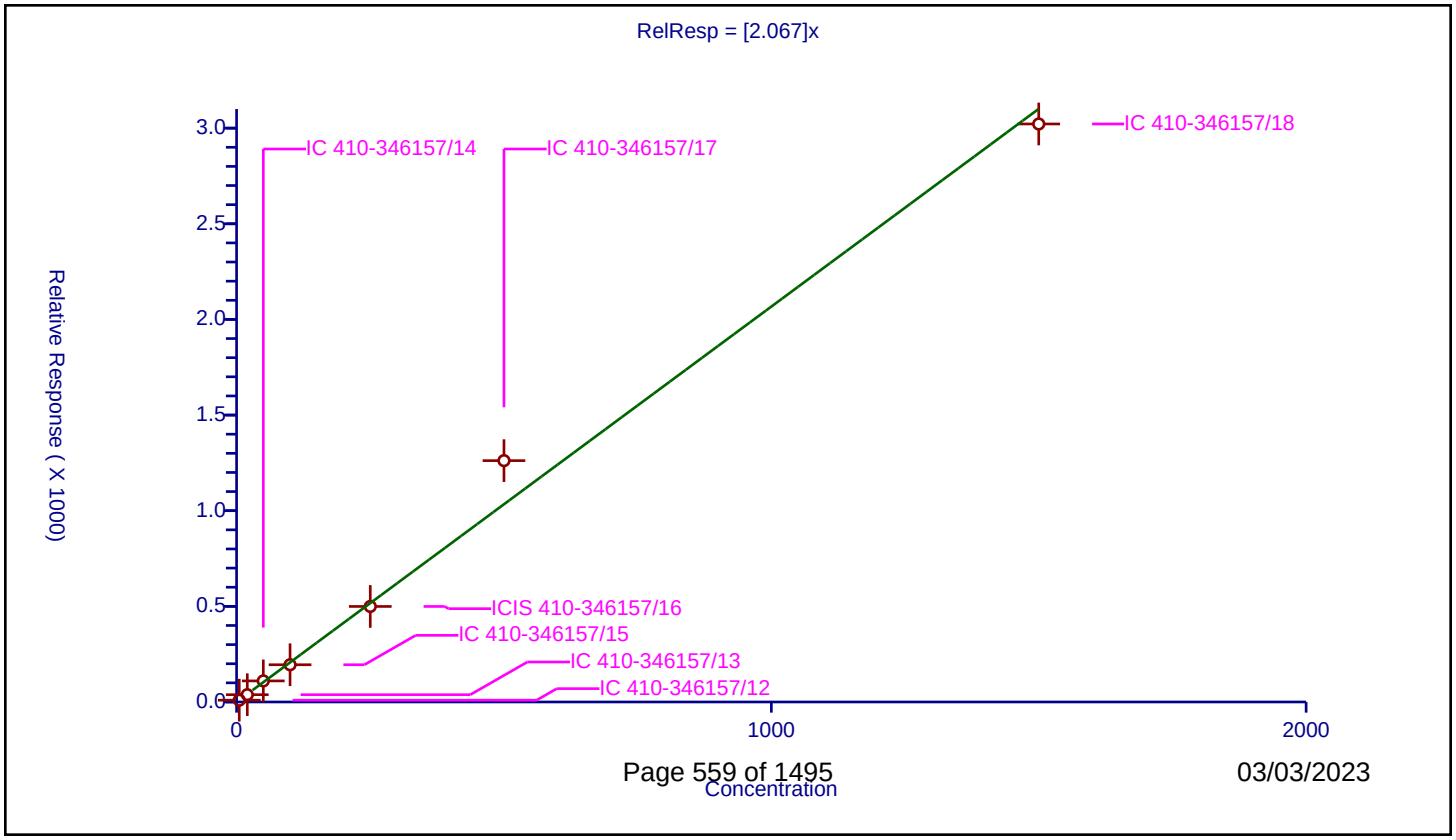
Curve Coefficients

Intercept:	0
Slope:	2.067

Error Coefficients

Standard Error:	3840000
Relative Standard Error:	11.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	5.0	9.405186	250.0	677153.0	1.881037	Y
2	IC 410-346157/13	20.0	38.071961	250.0	641128.0	1.903598	Y
3	IC 410-346157/14	50.0	110.191506	250.0	579929.0	2.20383	Y
4	IC 410-346157/15	100.0	194.641472	250.0	687017.0	1.946415	Y
5	ICIS 410-346157/16	250.0	499.379775	250.0	693297.0	1.997519	Y
6	IC 410-346157/17	500.0	1261.708246	250.0	565264.0	2.523416	Y
7	IC 410-346157/18	1500.0	3021.809733	250.0	731279.0	2.01454	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

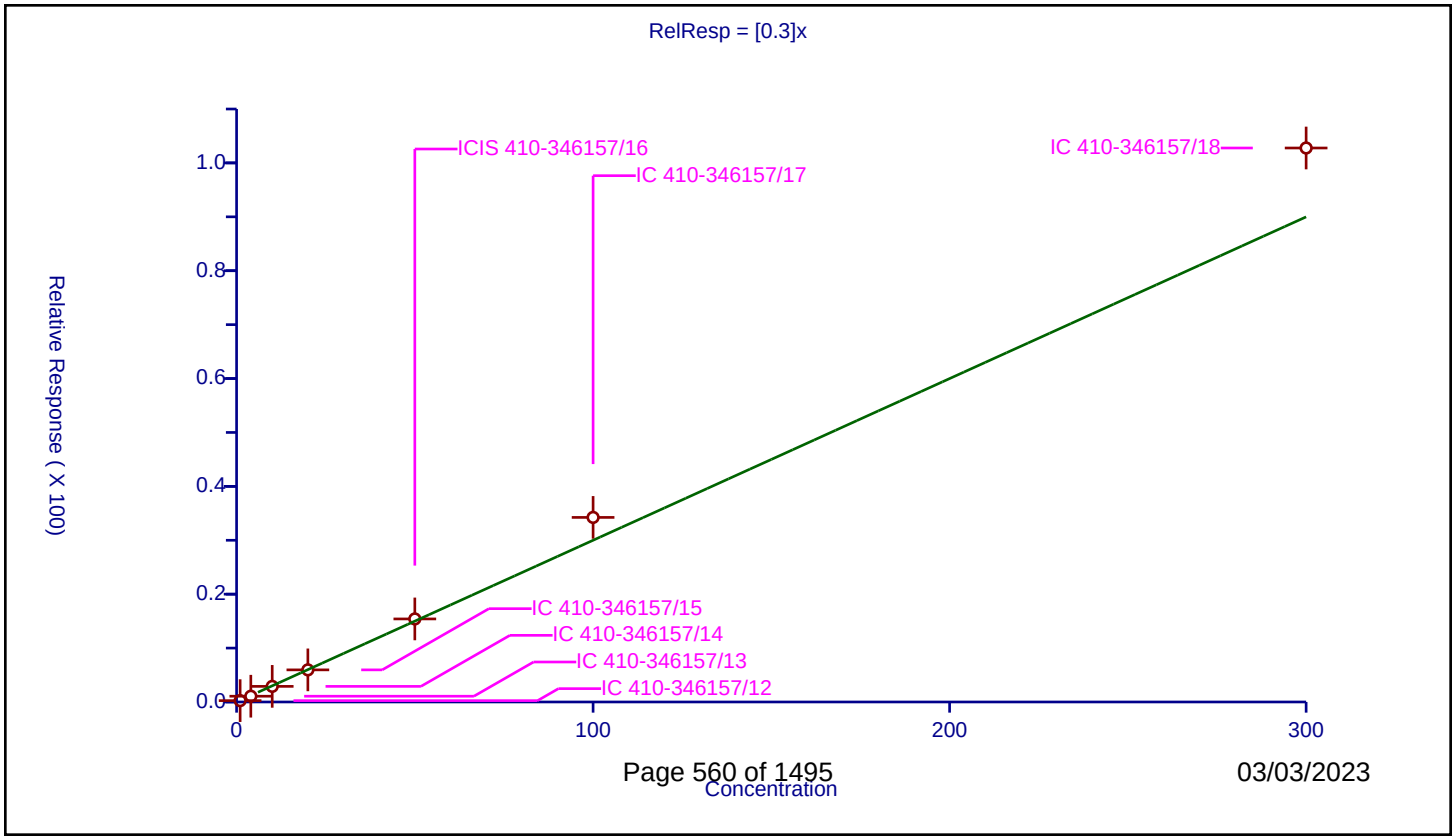
Curve Coefficients

Intercept:	0
Slope:	0.3

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	11.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.252137	50.0	1200933.0	0.252137	Y
2	IC 410-346157/13	4.0	1.068701	50.0	1229483.0	0.267175	Y
3	IC 410-346157/14	10.0	2.895368	50.0	1190643.0	0.289537	Y
4	IC 410-346157/15	20.0	5.957428	50.0	1241979.0	0.297871	Y
5	ICIS 410-346157/16	50.0	15.40494	50.0	1238950.0	0.308099	Y
6	IC 410-346157/17	100.0	34.241313	50.0	1212087.0	0.342413	Y
7	IC 410-346157/18	300.0	102.768003	50.0	1292141.0	0.34256	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

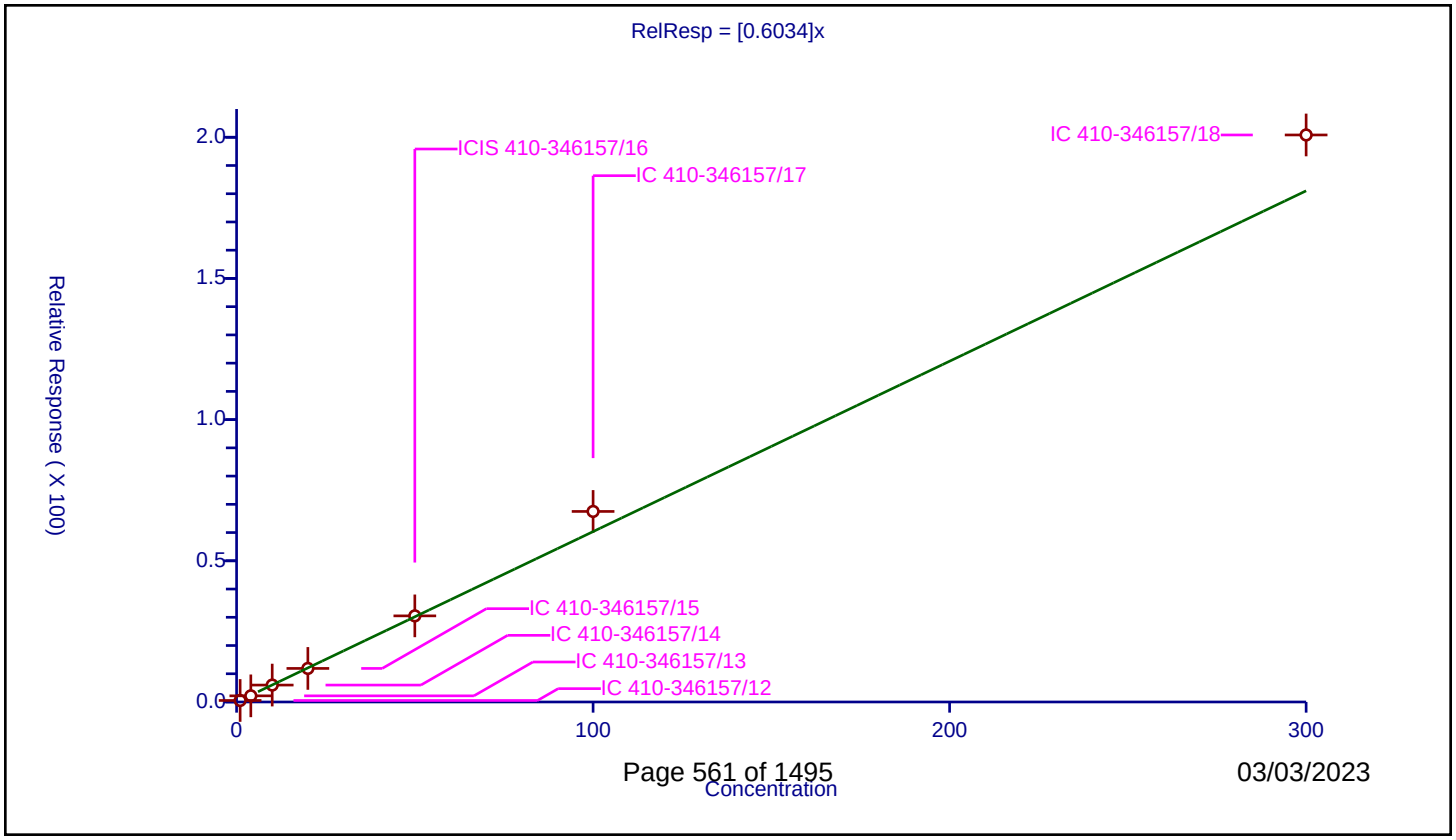
Curve Coefficients

Intercept:	0
Slope:	0.6034

Error Coefficients

Standard Error:	2250000
Relative Standard Error:	9.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.531254	50.0	1200933.0	0.531254	Y
2	IC 410-346157/13	4.0	2.179819	50.0	1229483.0	0.544955	Y
3	IC 410-346157/14	10.0	5.99277	50.0	1190643.0	0.599277	Y
4	IC 410-346157/15	20.0	11.884259	50.0	1241979.0	0.594213	Y
5	ICIS 410-346157/16	50.0	30.499334	50.0	1238950.0	0.609987	Y
6	IC 410-346157/17	100.0	67.485049	50.0	1212087.0	0.67485	Y
7	IC 410-346157/18	300.0	200.812218	50.0	1292141.0	0.669374	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

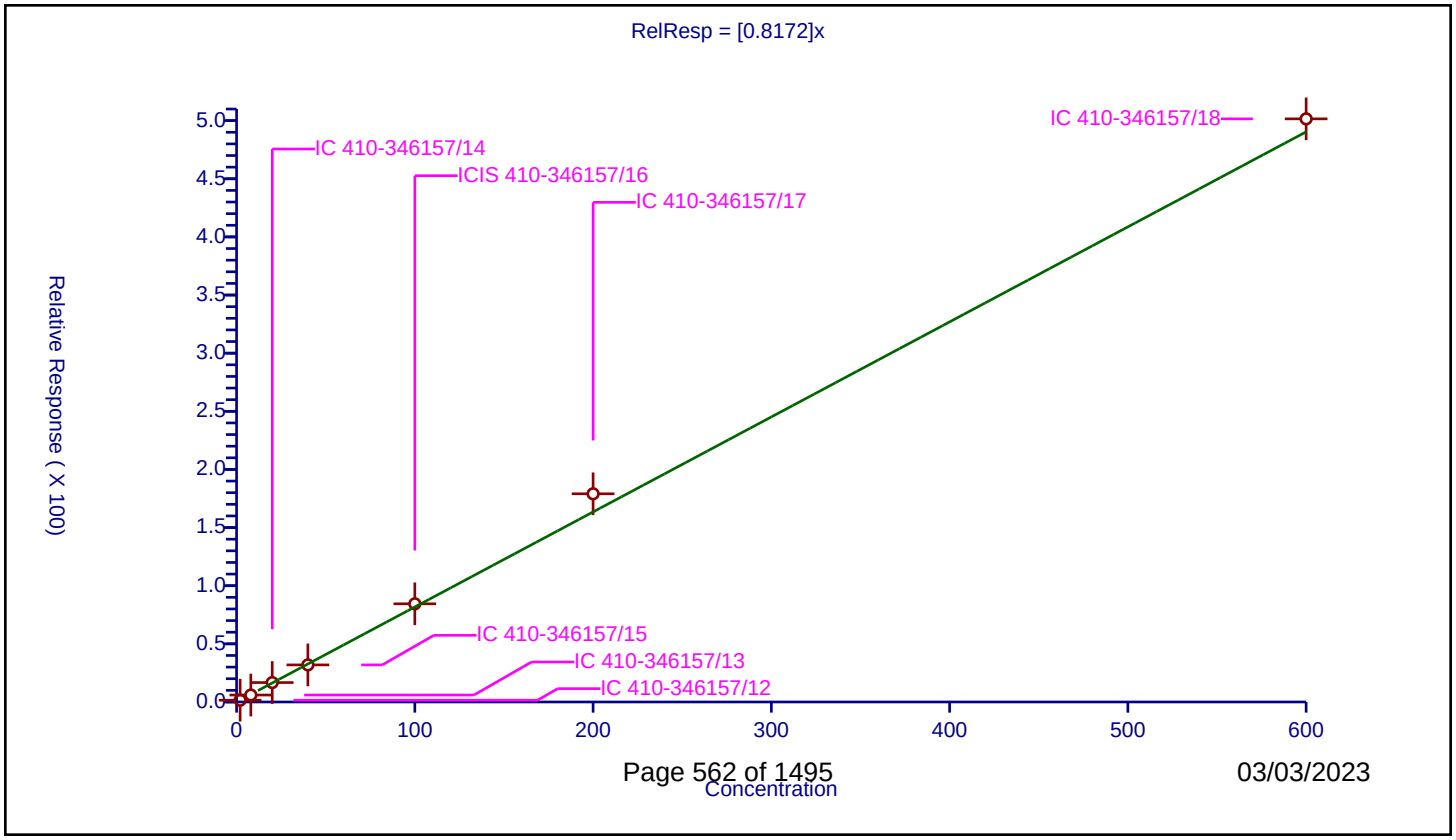
Curve Coefficients

Intercept:	0
Slope:	0.8172

Error Coefficients

Standard Error:	5660000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	2.0	1.533183	50.0	1200933.0	0.766591	Y
2	IC 410-346157/13	8.0	5.970599	50.0	1229483.0	0.746325	Y
3	IC 410-346157/14	20.0	16.69938	50.0	1190643.0	0.834969	Y
4	IC 410-346157/15	40.0	31.887616	50.0	1241979.0	0.79719	Y
5	ICIS 410-346157/16	100.0	84.437386	50.0	1238950.0	0.844374	Y
6	IC 410-346157/17	200.0	179.066107	50.0	1212087.0	0.895331	Y
7	IC 410-346157/18	600.0	501.543601	50.0	1292141.0	0.835906	Y



03/03/2023

Calibration / Toluene-d8 (Surr)

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

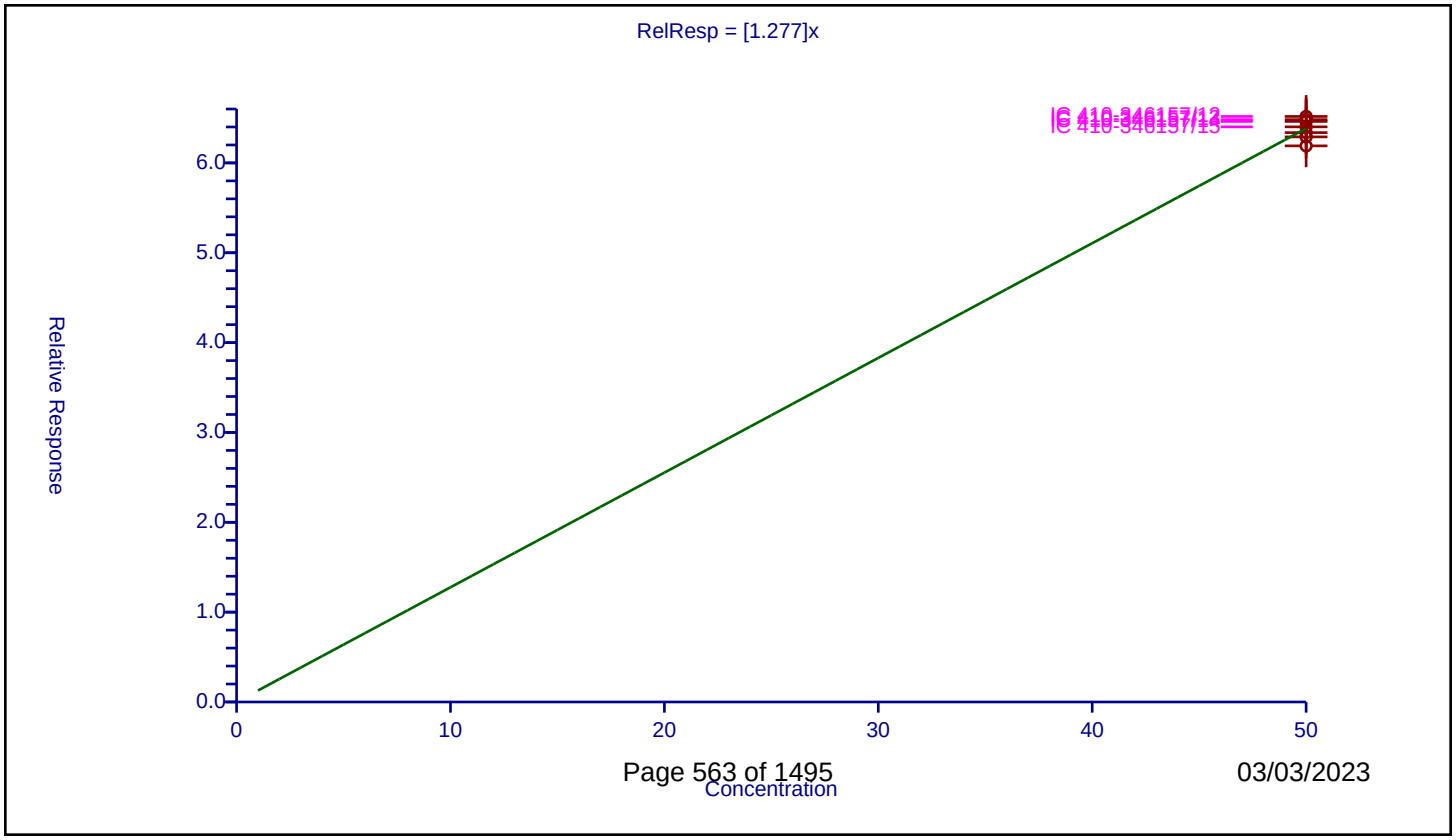
Curve Coefficients

Intercept:	0
Slope:	1.277

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	1.8
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0.000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	50.0	65.172899	50.0	891359.0	1.303458	Y
2	IC 410-346157/13	50.0	64.819845	50.0	917351.0	1.296397	Y
3	IC 410-346157/14	50.0	64.617677	50.0	905308.0	1.292354	Y
4	IC 410-346157/15	50.0	64.013975	50.0	951832.0	1.28028	Y
5	ICIS 410-346157/16	50.0	63.371854	50.0	967708.0	1.267437	Y
6	IC 410-346157/17	50.0	62.899492	50.0	957185.0	1.25799	Y
7	IC 410-346157/18	50.0	61.897646	50.0	1057642.0	1.237953	Y



Calibration / Toluene

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

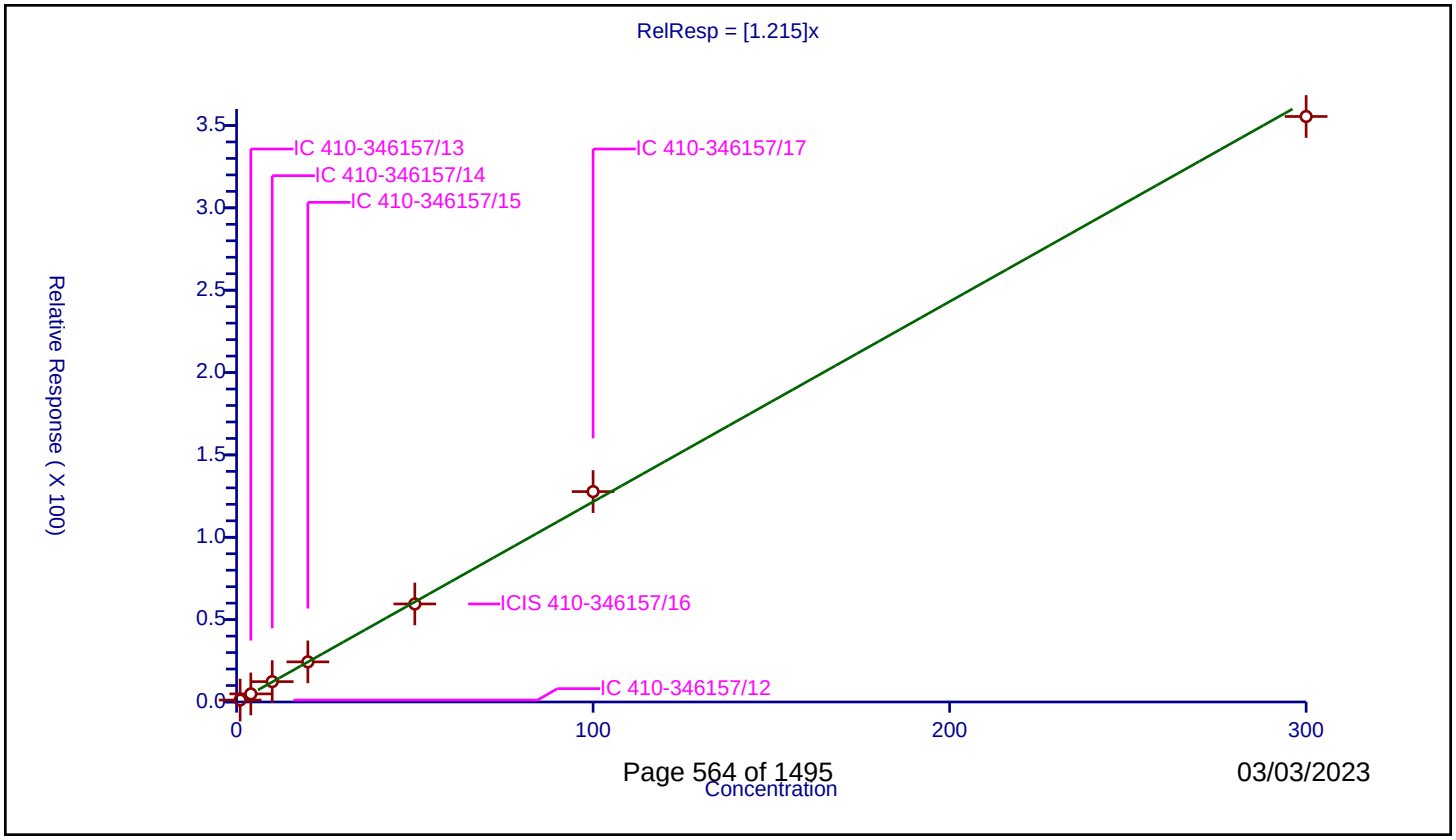
Curve Coefficients

Intercept:	0
Slope:	1.215

Error Coefficients

Standard Error:	3270000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	1.173489	50.0	891359.0	1.173489	Y
2	IC 410-346157/13	4.0	4.908863	50.0	917351.0	1.227216	Y
3	IC 410-346157/14	10.0	12.368387	50.0	905308.0	1.236839	Y
4	IC 410-346157/15	20.0	24.359078	50.0	951832.0	1.217954	Y
5	ICIS 410-346157/16	50.0	59.518625	50.0	967708.0	1.190373	Y
6	IC 410-346157/17	100.0	127.732204	50.0	957185.0	1.277322	Y
7	IC 410-346157/18	300.0	355.460212	50.0	1057642.0	1.184867	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

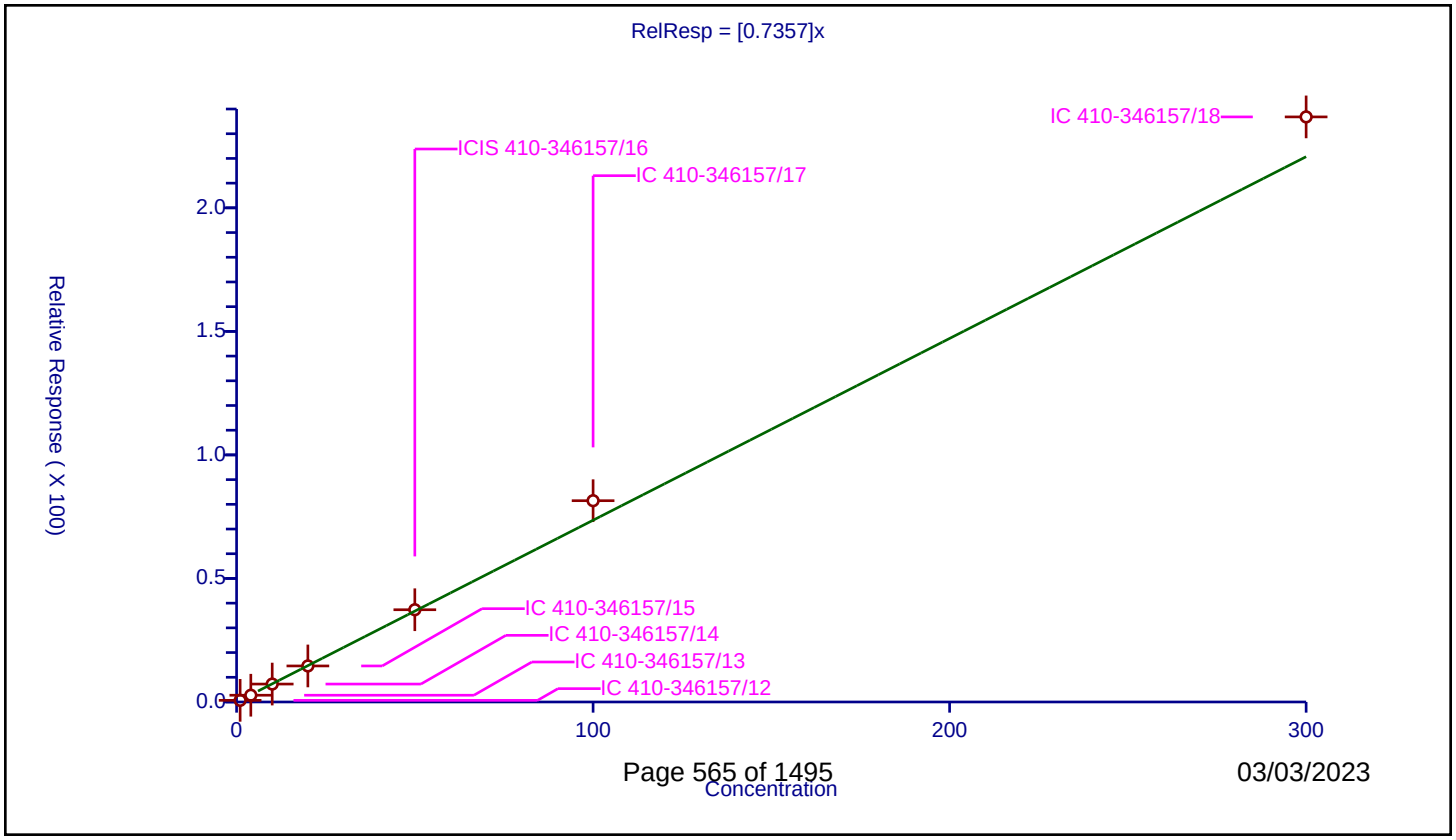
Curve Coefficients

Intercept:	0
Slope:	0.7357

Error Coefficients

Standard Error:	2170000
Relative Standard Error:	7.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.660901	50.0	891359.0	0.660901	Y
2	IC 410-346157/13	4.0	2.732978	50.0	917351.0	0.683244	Y
3	IC 410-346157/14	10.0	7.254548	50.0	905308.0	0.725455	Y
4	IC 410-346157/15	20.0	14.586713	50.0	951832.0	0.729336	Y
5	ICIS 410-346157/16	50.0	37.338691	50.0	967708.0	0.746774	Y
6	IC 410-346157/17	100.0	81.470771	50.0	957185.0	0.814708	Y
7	IC 410-346157/18	300.0	236.800449	50.0	1057642.0	0.789335	Y



Calibration / Ethyl methacrylate

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

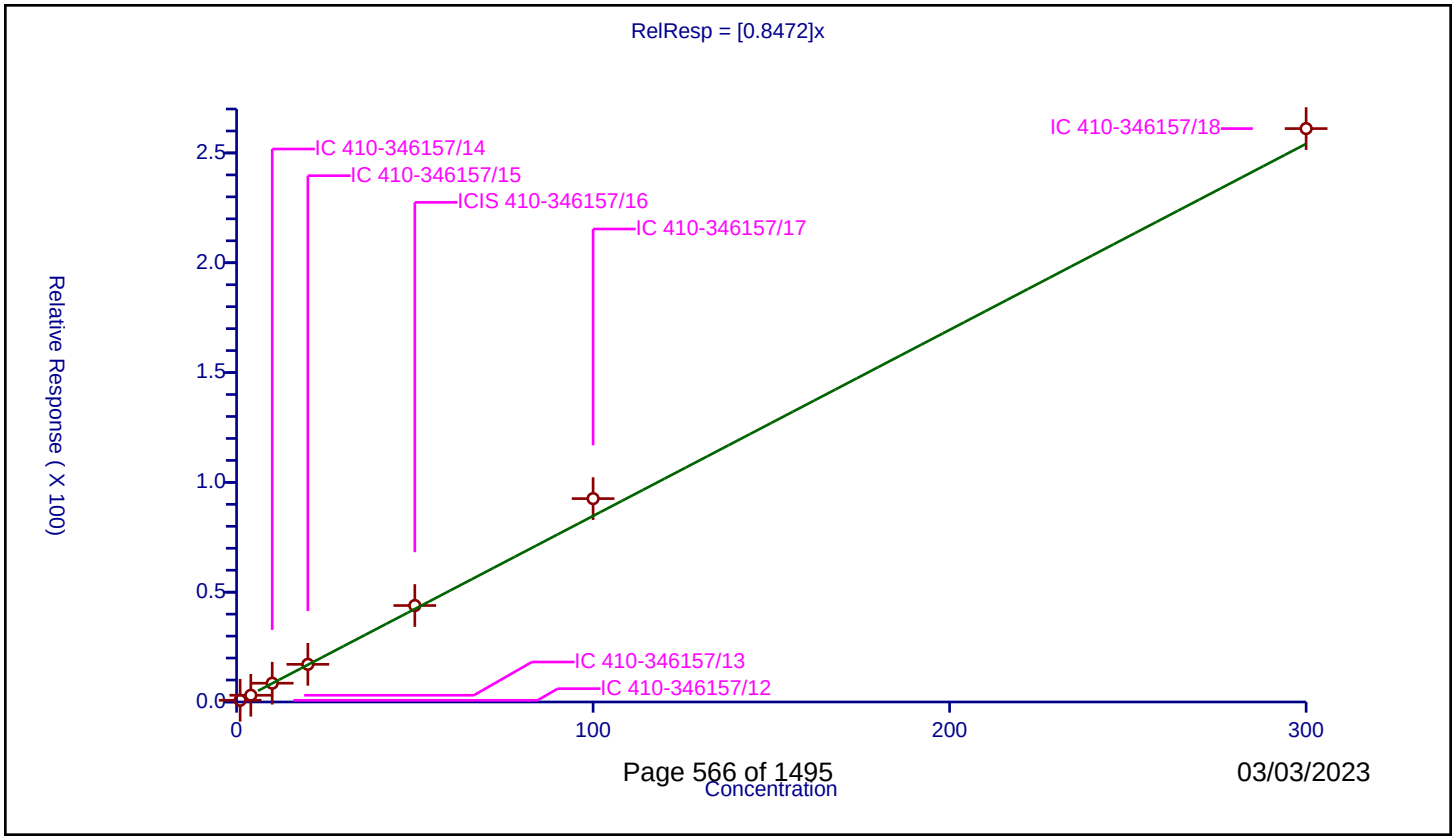
Curve Coefficients

Intercept:	0
Slope:	0.8472

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.775838	50.0	891359.0	0.775838	Y
2	IC 410-346157/13	4.0	3.067692	50.0	917351.0	0.766923	Y
3	IC 410-346157/14	10.0	8.550239	50.0	905308.0	0.855024	Y
4	IC 410-346157/15	20.0	17.152187	50.0	951832.0	0.857609	Y
5	ICIS 410-346157/16	50.0	43.920945	50.0	967708.0	0.878419	Y
6	IC 410-346157/17	100.0	92.602736	50.0	957185.0	0.926027	Y
7	IC 410-346157/18	300.0	261.087967	50.0	1057642.0	0.870293	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

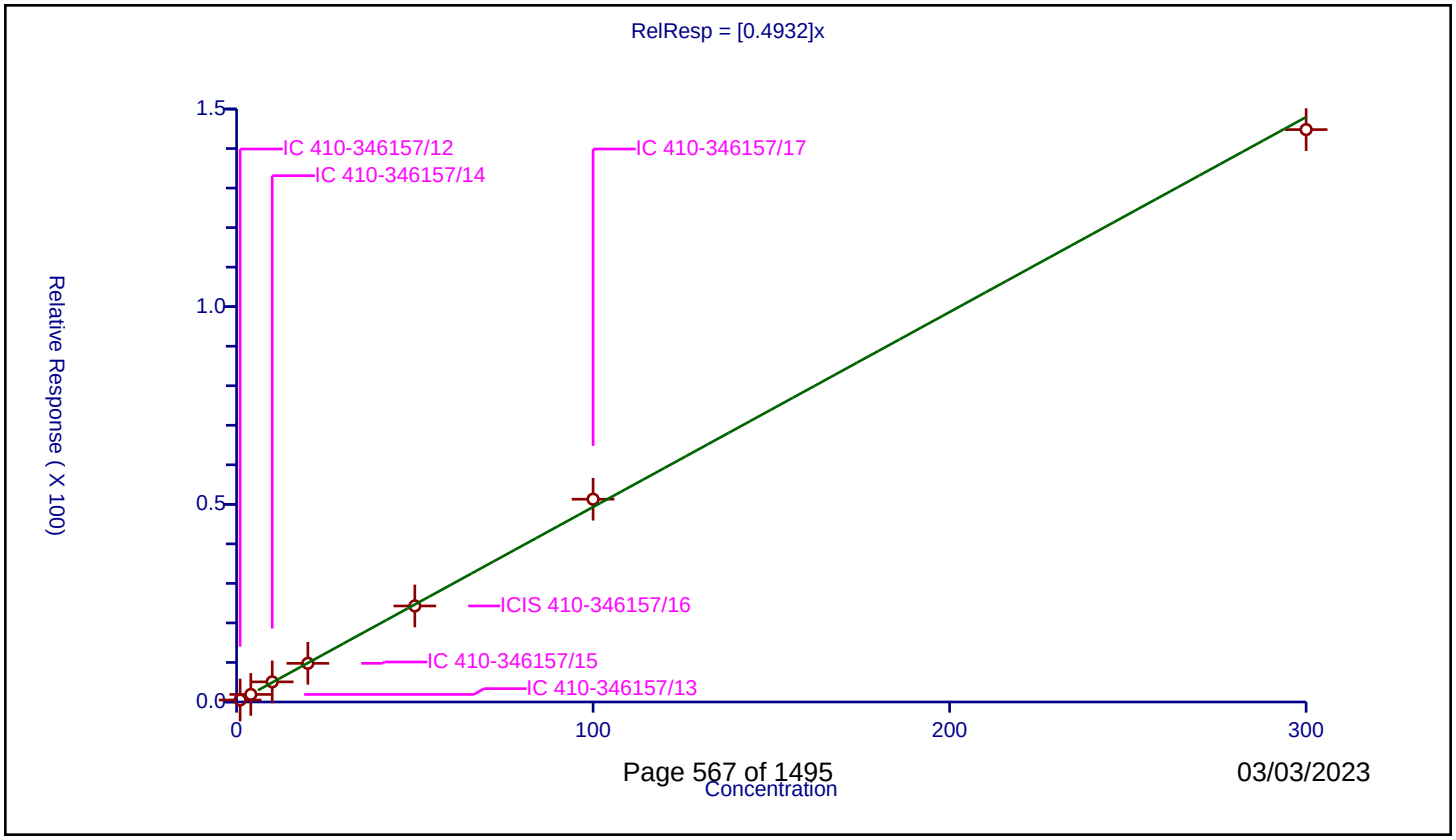
Curve Coefficients

Intercept:	0
Slope:	0.4932

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.495143	50.0	891359.0	0.495143	Y
2	IC 410-346157/13	4.0	1.912082	50.0	917351.0	0.47802	Y
3	IC 410-346157/14	10.0	5.090919	50.0	905308.0	0.509092	Y
4	IC 410-346157/15	20.0	9.775202	50.0	951832.0	0.48876	Y
5	ICIS 410-346157/16	50.0	24.291884	50.0	967708.0	0.485838	Y
6	IC 410-346157/17	100.0	51.300323	50.0	957185.0	0.513003	Y
7	IC 410-346157/18	300.0	144.790912	50.0	1057642.0	0.482636	Y



Calibration / Tetrachloroethene

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

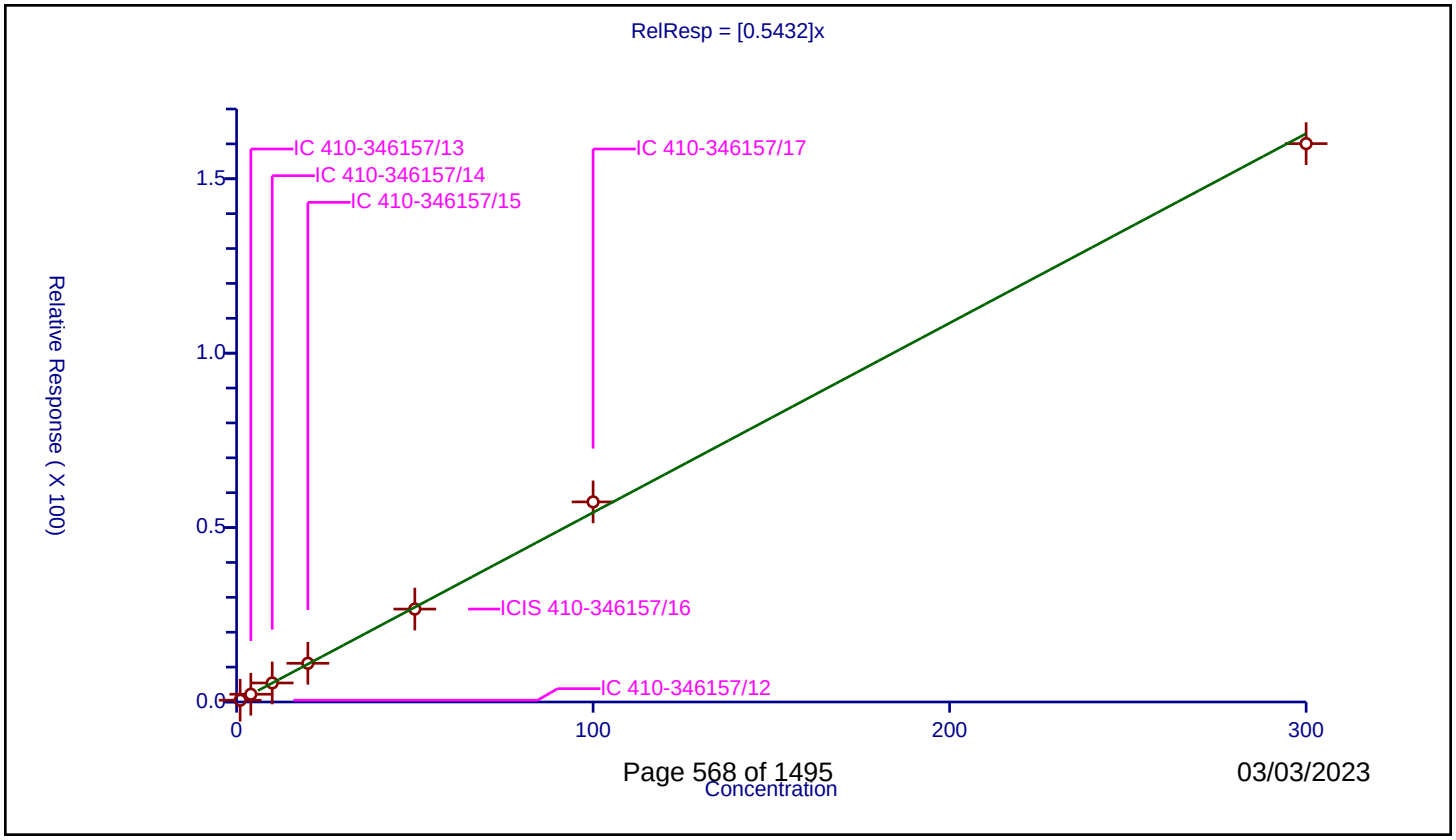
Curve Coefficients

Intercept:	0
Slope:	0.5432

Error Coefficients

Standard Error:	1470000
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 410-346157/12	1.0	0.506193	50.0	891359.0	0.506193	Y
2	IC 410-346157/13	4.0	2.224121	50.0	917351.0	0.55603	Y
3	IC 410-346157/14	10.0	5.451073	50.0	905308.0	0.545107	Y
4	IC 410-346157/15	20.0	11.099017	50.0	951832.0	0.554951	Y
5	ICIS 410-346157/16	50.0	26.635824	50.0	967708.0	0.532716	Y
6	IC 410-346157/17	100.0	57.367855	50.0	957185.0	0.573679	Y
7	IC 410-346157/18	300.0	160.076945	50.0	1057642.0	0.53359	Y



Calibration / 1,3-Dichloropropane

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

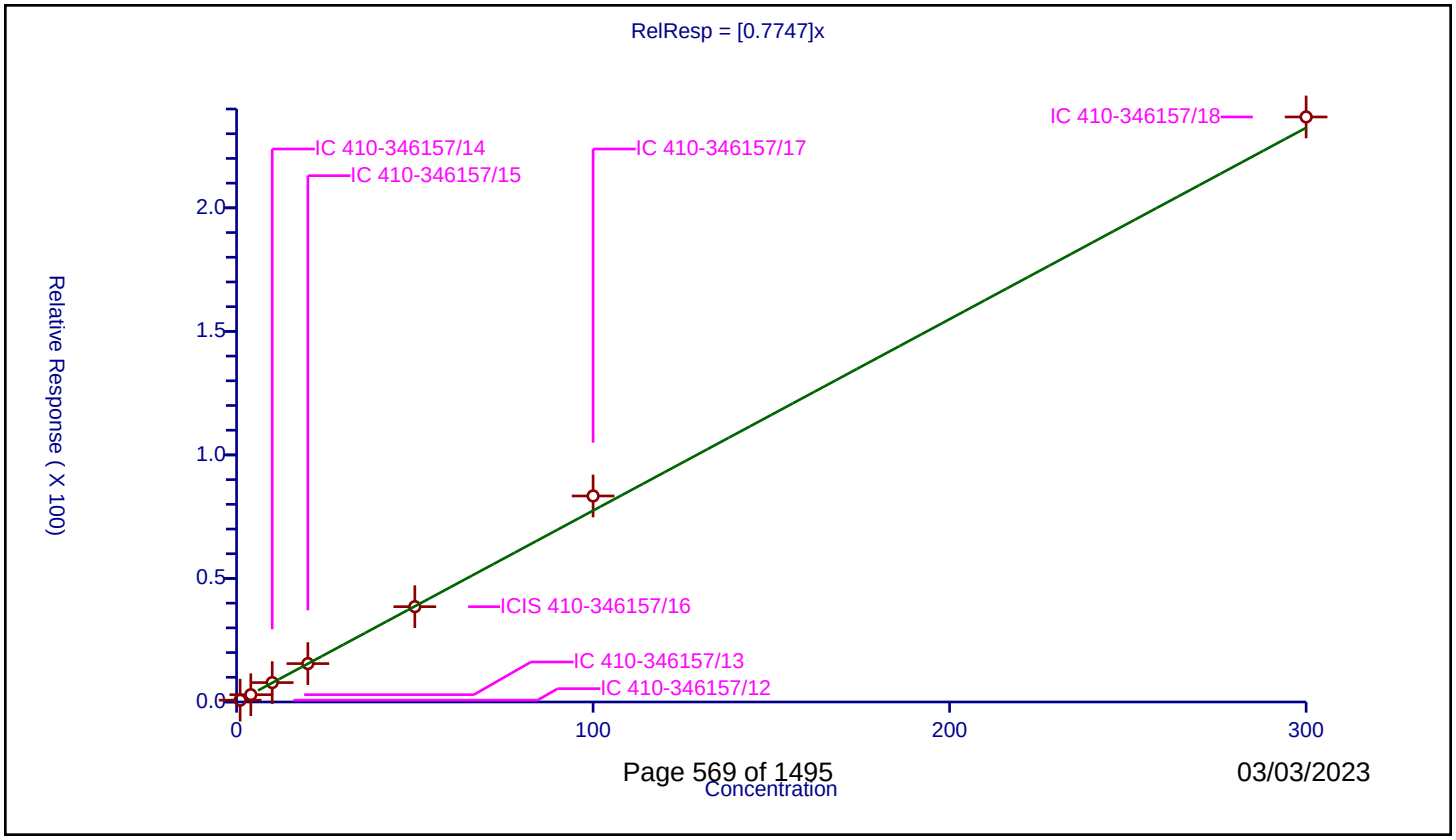
Curve Coefficients

Intercept:	0
Slope:	0.7747

Error Coefficients

Standard Error:	2170000
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 410-346157/12	1.0	0.727653	50.0	891359.0	0.727653	Y
2	IC 410-346157/13	4.0	2.954976	50.0	917351.0	0.738744	Y
3	IC 410-346157/14	10.0	7.849097	50.0	905308.0	0.78491	Y
4	IC 410-346157/15	20.0	15.537879	50.0	951832.0	0.776894	Y
5	ICIS 410-346157/16	50.0	38.575376	50.0	967708.0	0.771508	Y
6	IC 410-346157/17	100.0	83.382523	50.0	957185.0	0.833825	Y
7	IC 410-346157/18	300.0	236.783619	50.0	1057642.0	0.789279	Y



Calibration / 2-Hexanone

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

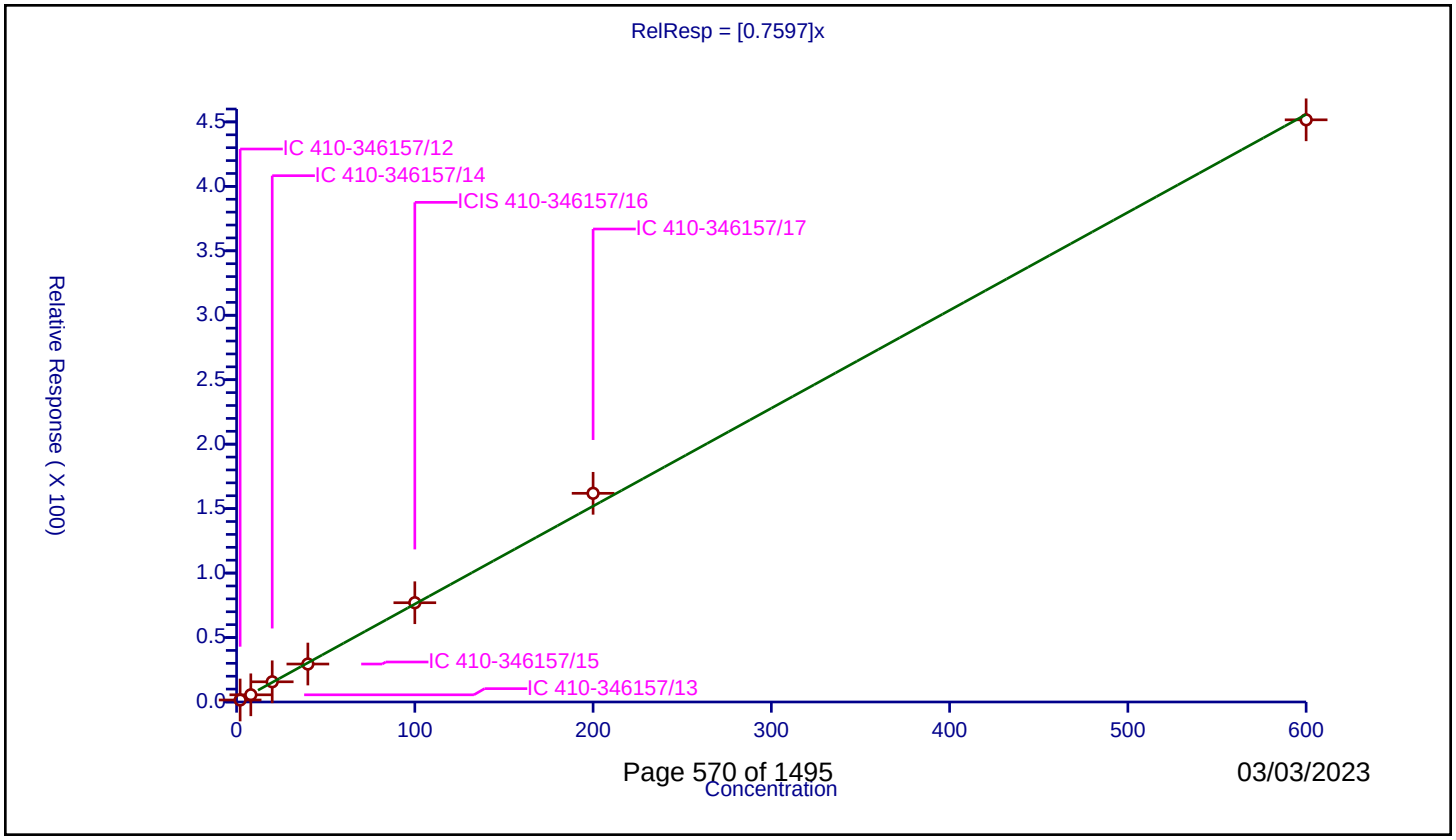
Curve Coefficients

Intercept:	0
Slope:	0.7597

Error Coefficients

Standard Error:	4150000
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 410-346157/12	2.0	1.536138	50.0	891359.0	0.768069	Y
2	IC 410-346157/13	8.0	5.584068	50.0	917351.0	0.698008	Y
3	IC 410-346157/14	20.0	15.660416	50.0	905308.0	0.783021	Y
4	IC 410-346157/15	40.0	29.456406	50.0	951832.0	0.73641	Y
5	ICIS 410-346157/16	100.0	76.996573	50.0	967708.0	0.769966	Y
6	IC 410-346157/17	200.0	161.890909	50.0	957185.0	0.809455	Y
7	IC 410-346157/18	600.0	451.618648	50.0	1057642.0	0.752698	Y



Calibration / Chlorodibromomethane

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

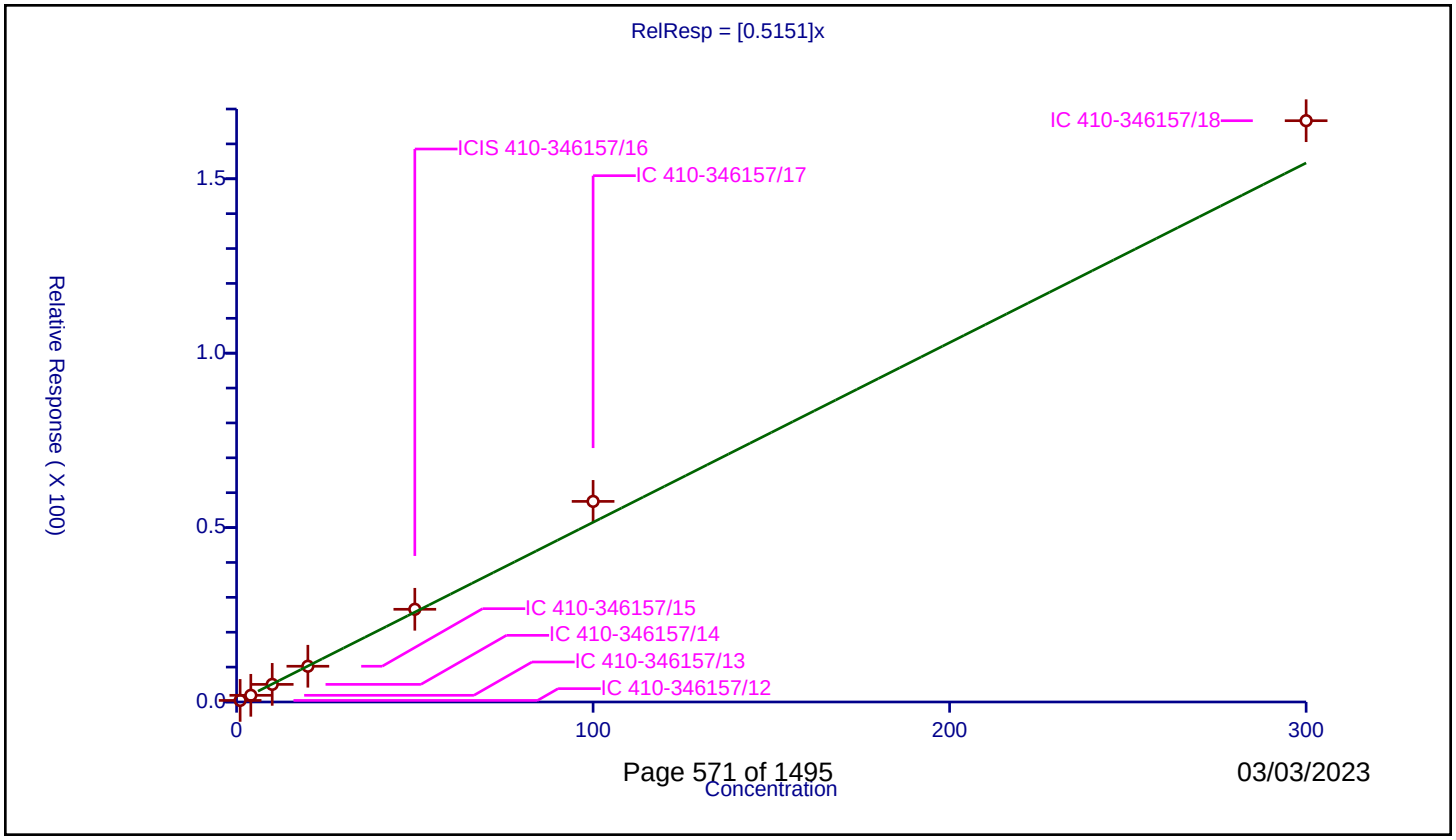
Curve Coefficients

Intercept:	0
Slope:	0.5151

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.44836	50.0	891359.0	0.44836	Y
2	IC 410-346157/13	4.0	1.9123	50.0	917351.0	0.478075	Y
3	IC 410-346157/14	10.0	5.04773	50.0	905308.0	0.504773	Y
4	IC 410-346157/15	20.0	10.250864	50.0	951832.0	0.512543	Y
5	ICIS 410-346157/16	50.0	26.574649	50.0	967708.0	0.531493	Y
6	IC 410-346157/17	100.0	57.51046	50.0	957185.0	0.575105	Y
7	IC 410-346157/18	300.0	166.649726	50.0	1057642.0	0.555499	Y



Calibration / Ethylene Dibromide

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

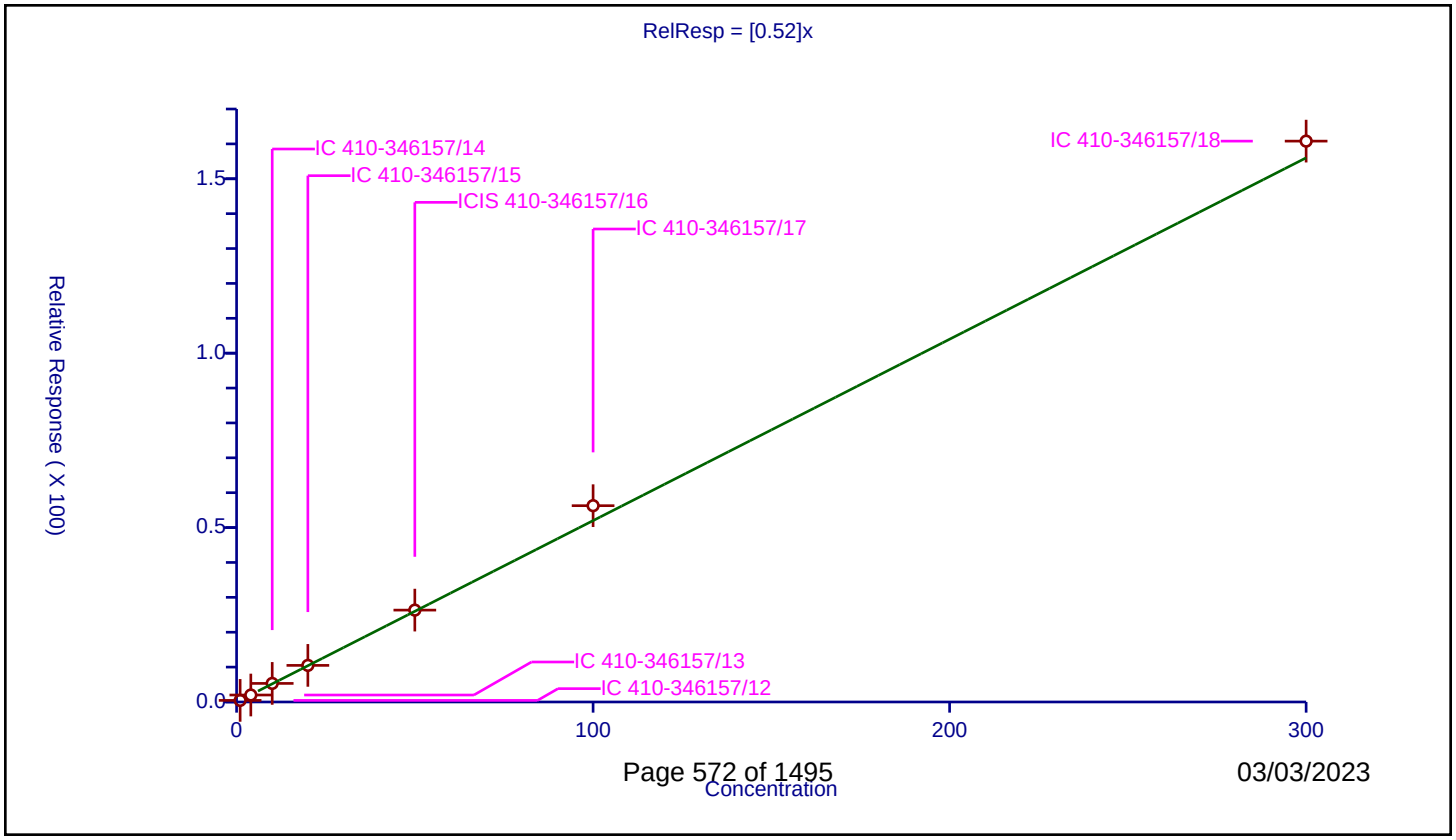
Curve Coefficients

Intercept:	0
Slope:	0.52

Error Coefficients

Standard Error:	1470000
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 410-346157/12	1.0	0.457504	50.0	891359.0	0.457504	Y
2	IC 410-346157/13	4.0	1.998036	50.0	917351.0	0.499509	Y
3	IC 410-346157/14	10.0	5.326364	50.0	905308.0	0.532636	Y
4	IC 410-346157/15	20.0	10.495497	50.0	951832.0	0.524775	Y
5	ICIS 410-346157/16	50.0	26.340487	50.0	967708.0	0.52681	Y
6	IC 410-346157/17	100.0	56.278201	50.0	957185.0	0.562782	Y
7	IC 410-346157/18	300.0	160.791553	50.0	1057642.0	0.535972	Y



03/03/2023

Calibration / 1-Chlorohexane

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

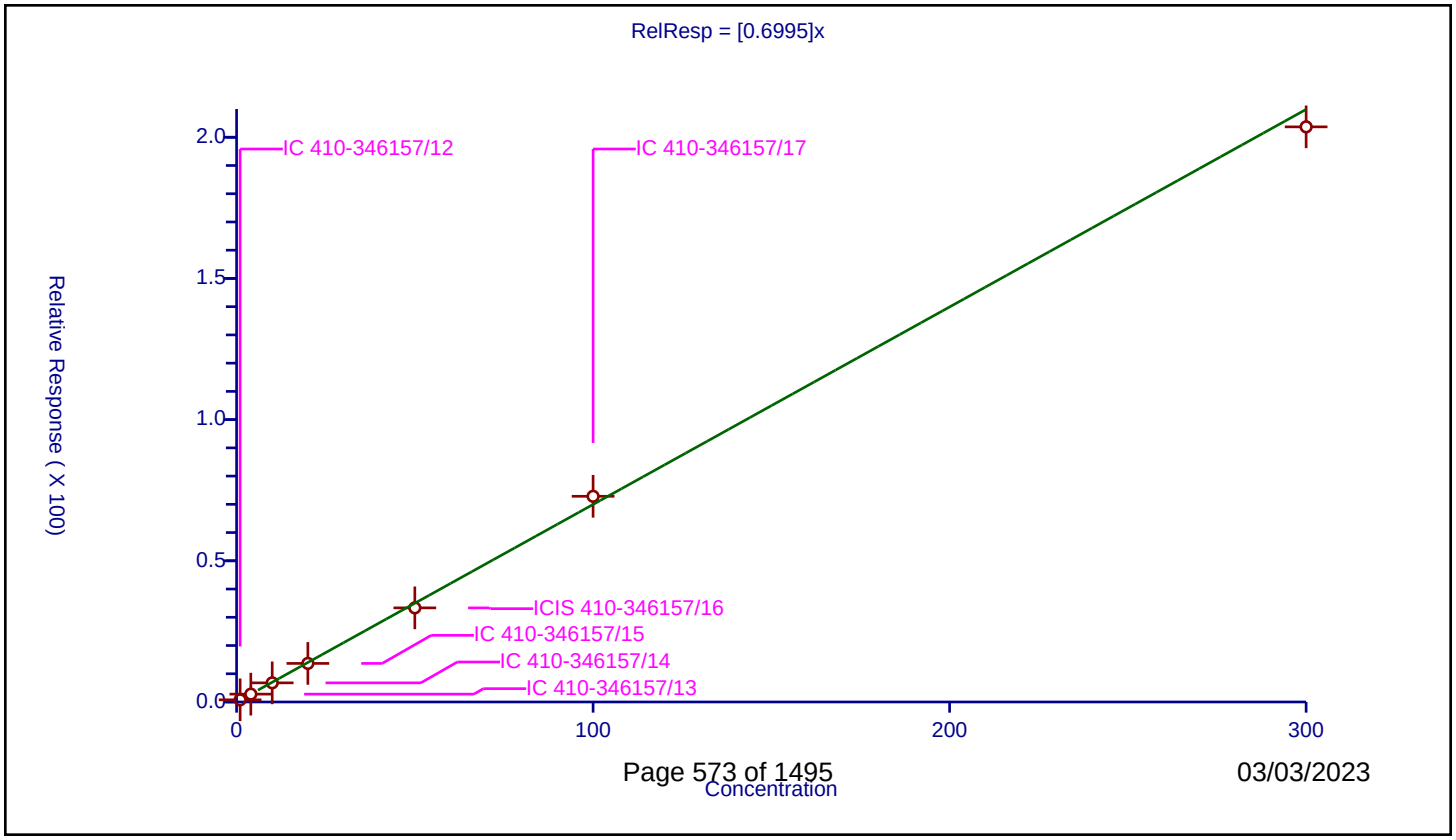
Curve Coefficients

Intercept:	0
Slope:	0.6995

Error Coefficients

Standard Error:	1870000
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 410-346157/12	1.0	0.76546	50.0	891359.0	0.76546	Y
2	IC 410-346157/13	4.0	2.785629	50.0	917351.0	0.696407	Y
3	IC 410-346157/14	10.0	6.777417	50.0	905308.0	0.677742	Y
4	IC 410-346157/15	20.0	13.663178	50.0	951832.0	0.683159	Y
5	ICIS 410-346157/16	50.0	33.334332	50.0	967708.0	0.666687	Y
6	IC 410-346157/17	100.0	72.841353	50.0	957185.0	0.728414	Y
7	IC 410-346157/18	300.0	203.683241	50.0	1057642.0	0.678944	Y



Calibration / Chlorobenzene

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

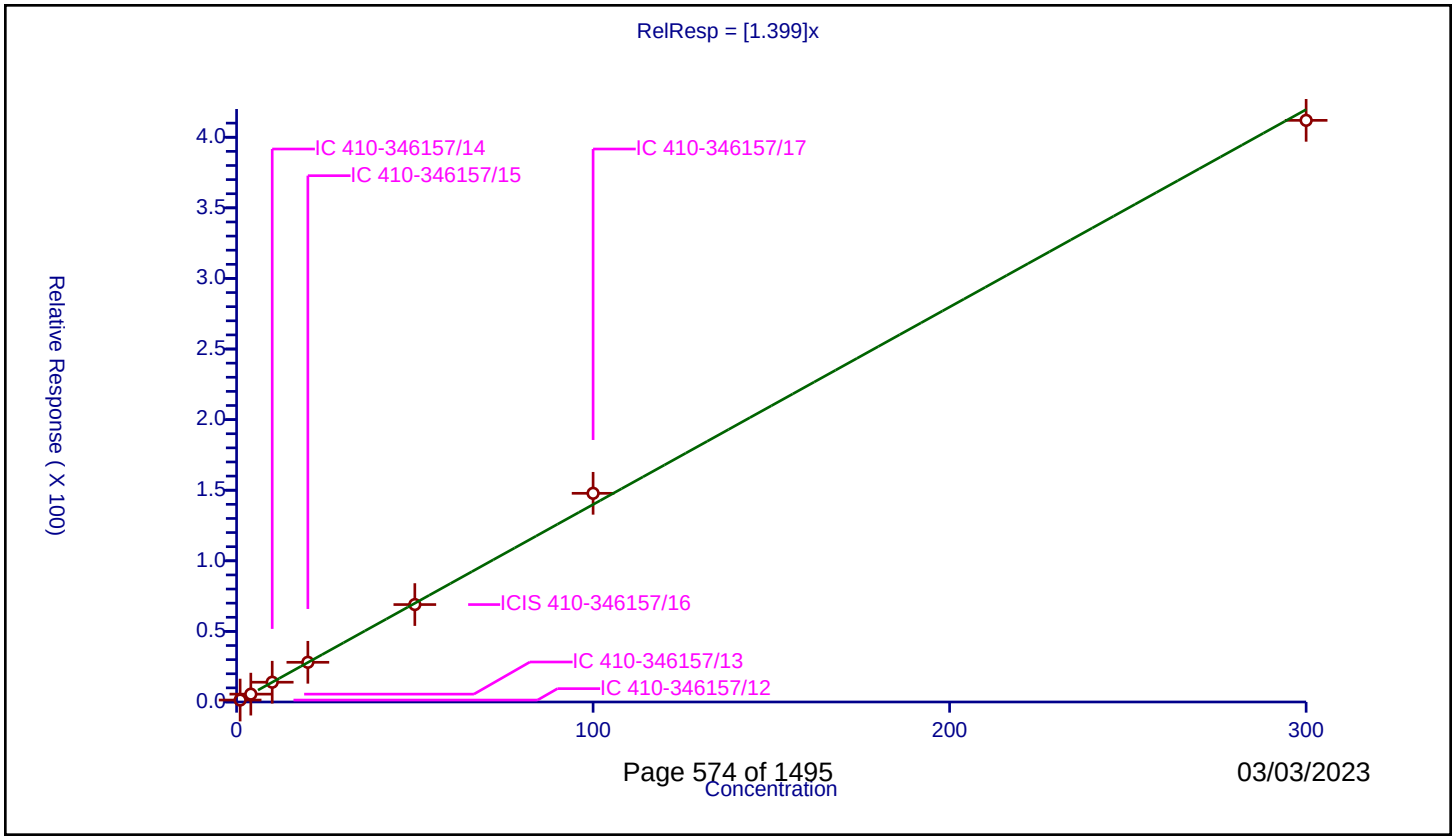
Curve Coefficients

Intercept:	0
Slope:	1.399

Error Coefficients

Standard Error:	3790000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	1.361068	50.0	891359.0	1.361068	Y
2	IC 410-346157/13	4.0	5.566735	50.0	917351.0	1.391684	Y
3	IC 410-346157/14	10.0	14.010646	50.0	905308.0	1.401065	Y
4	IC 410-346157/15	20.0	28.1193	50.0	951832.0	1.405965	Y
5	ICIS 410-346157/16	50.0	69.005991	50.0	967708.0	1.38012	Y
6	IC 410-346157/17	100.0	147.816096	50.0	957185.0	1.478161	Y
7	IC 410-346157/18	300.0	411.97234	50.0	1057642.0	1.373241	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

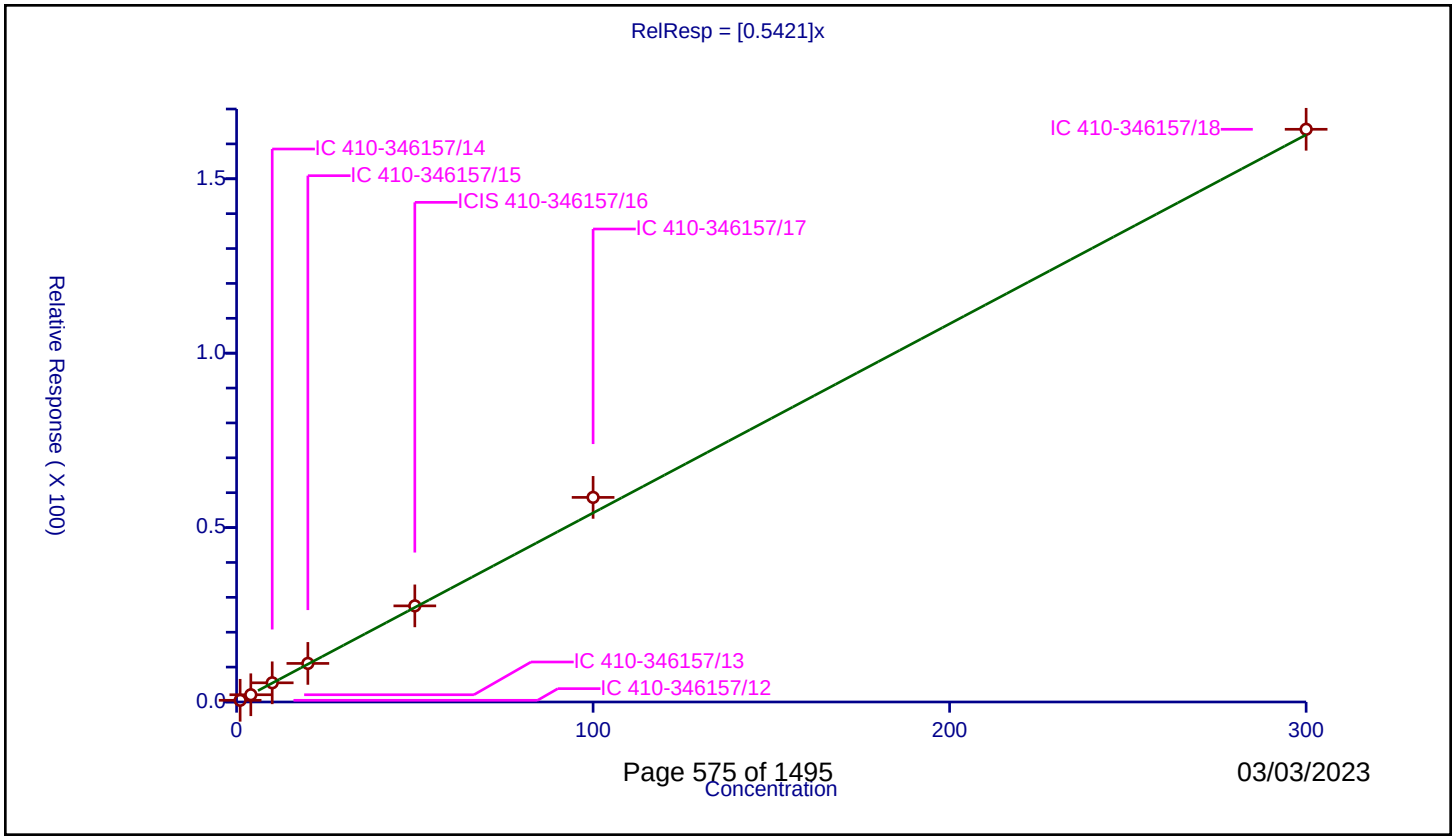
Curve Coefficients

Intercept:	0
Slope:	0.5421

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.487346	50.0	891359.0	0.487346	Y
2	IC 410-346157/13	4.0	2.074778	50.0	917351.0	0.518695	Y
3	IC 410-346157/14	10.0	5.503597	50.0	905308.0	0.55036	Y
4	IC 410-346157/15	20.0	11.059252	50.0	951832.0	0.552963	Y
5	ICIS 410-346157/16	50.0	27.560173	50.0	967708.0	0.551203	Y
6	IC 410-346157/17	100.0	58.653447	50.0	957185.0	0.586534	Y
7	IC 410-346157/18	300.0	164.187409	50.0	1057642.0	0.547291	Y



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Calibration / Ethylbenzene

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

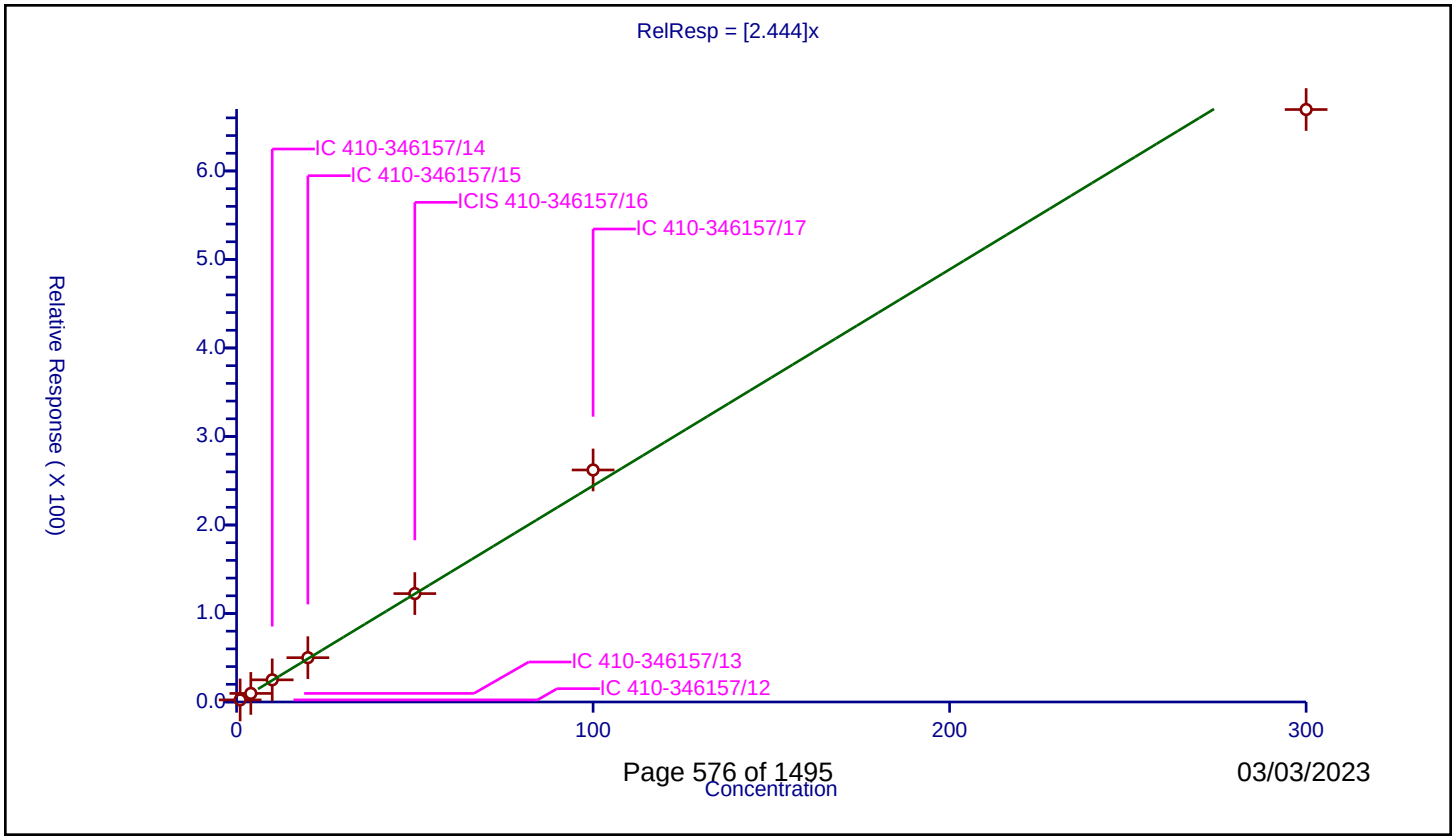
Curve Coefficients

Intercept:	0
Slope:	2.444

Error Coefficients

Standard Error:	6220000
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 410-346157/12	1.0	2.378447	50.0	891359.0	2.378447	Y
2	IC 410-346157/13	4.0	9.679065	50.0	917351.0	2.419766	Y
3	IC 410-346157/14	10.0	25.02651	50.0	905308.0	2.502651	Y
4	IC 410-346157/15	20.0	50.054947	50.0	951832.0	2.502747	Y
5	ICIS 410-346157/16	50.0	122.477442	50.0	967708.0	2.449549	Y
6	IC 410-346157/17	100.0	262.15439	50.0	957185.0	2.621544	Y
7	IC 410-346157/18	300.0	669.437721	50.0	1057642.0	2.231459	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

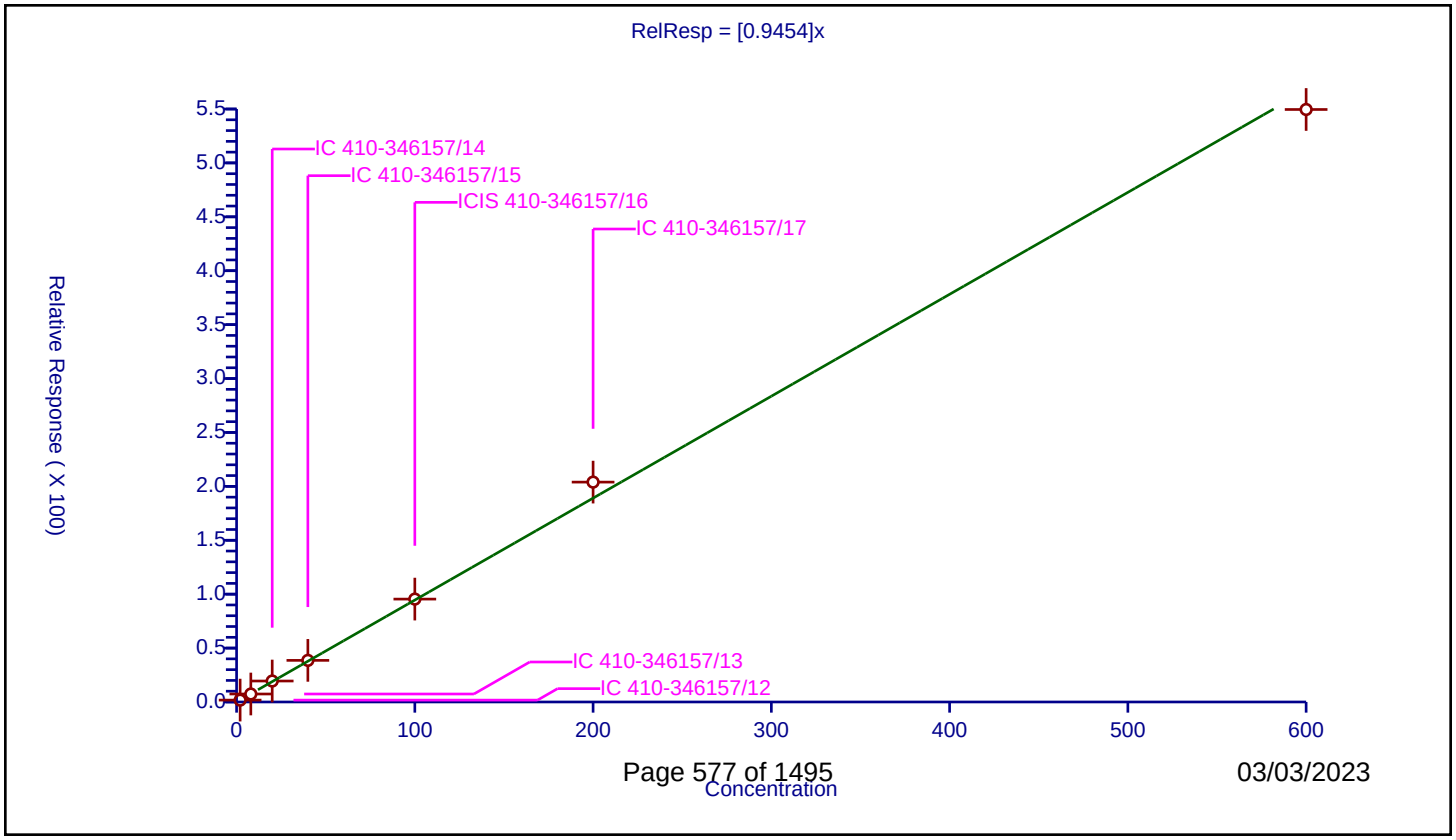
Curve Coefficients

Intercept:	0
Slope:	0.9454

Error Coefficients

Standard Error:	5070000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	2.0	1.731457	50.0	891359.0	0.865729	Y
2	IC 410-346157/13	8.0	7.397659	50.0	917351.0	0.924707	Y
3	IC 410-346157/14	20.0	19.447249	50.0	905308.0	0.972362	Y
4	IC 410-346157/15	40.0	38.589688	50.0	951832.0	0.964742	Y
5	ICIS 410-346157/16	100.0	95.432868	50.0	967708.0	0.954329	Y
6	IC 410-346157/17	200.0	203.955453	50.0	957185.0	1.019777	Y
7	IC 410-346157/18	600.0	549.549139	50.0	1057642.0	0.915915	Y



Calibration / o-Xylene

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

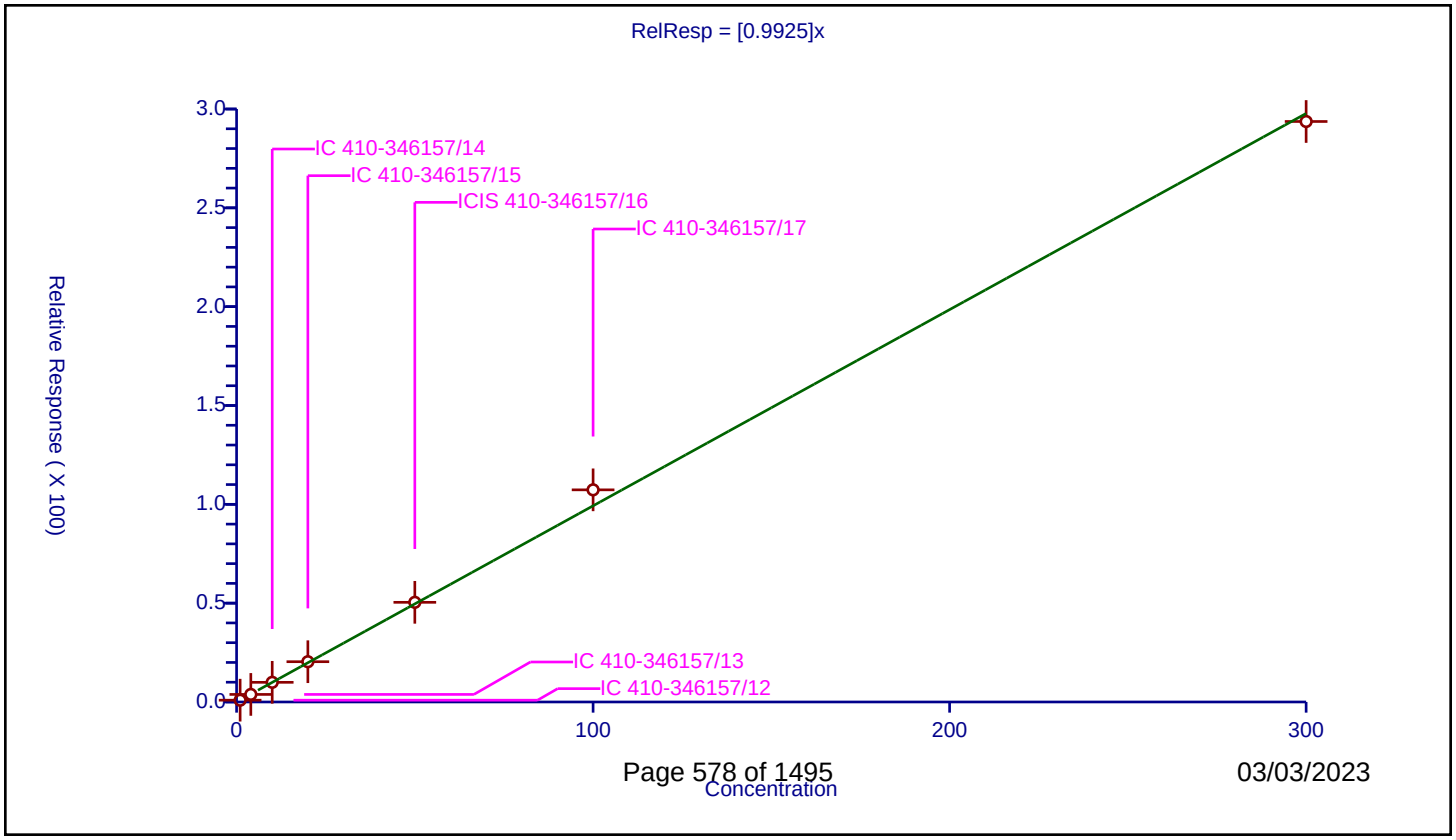
Curve Coefficients

Intercept:	0
Slope:	0.9925

Error Coefficients

Standard Error:	2710000
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 410-346157/12	1.0	0.916297	50.0	891359.0	0.916297	Y
2	IC 410-346157/13	4.0	3.829941	50.0	917351.0	0.957485	Y
3	IC 410-346157/14	10.0	9.944074	50.0	905308.0	0.994407	Y
4	IC 410-346157/15	20.0	20.373553	50.0	951832.0	1.018678	Y
5	ICIS 410-346157/16	50.0	50.419703	50.0	967708.0	1.008394	Y
6	IC 410-346157/17	100.0	107.333065	50.0	957185.0	1.073331	Y
7	IC 410-346157/18	300.0	293.679619	50.0	1057642.0	0.978932	Y



Calibration / Styrene

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

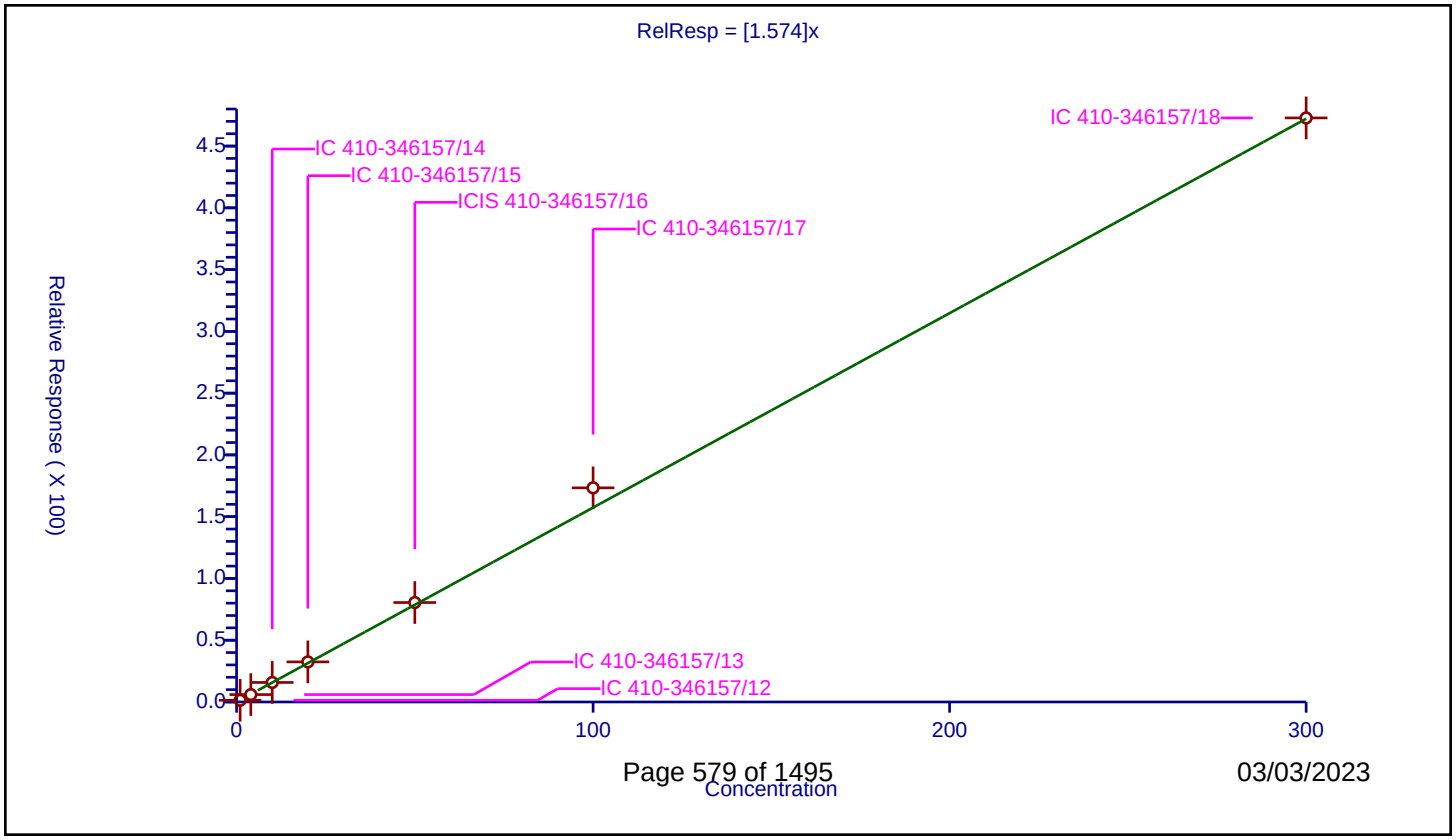
Curve Coefficients

Intercept:	0
Slope:	1.574

Error Coefficients

Standard Error:	4360000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	1.394612	50.0	891359.0	1.394612	Y
2	IC 410-346157/13	4.0	5.996069	50.0	917351.0	1.499017	Y
3	IC 410-346157/14	10.0	15.803351	50.0	905308.0	1.580335	Y
4	IC 410-346157/15	20.0	32.45662	50.0	951832.0	1.622831	Y
5	ICIS 410-346157/16	50.0	80.500368	50.0	967708.0	1.610007	Y
6	IC 410-346157/17	100.0	173.352748	50.0	957185.0	1.733527	Y
7	IC 410-346157/18	300.0	472.787957	50.0	1057642.0	1.57596	Y



Calibration / Bromoform

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

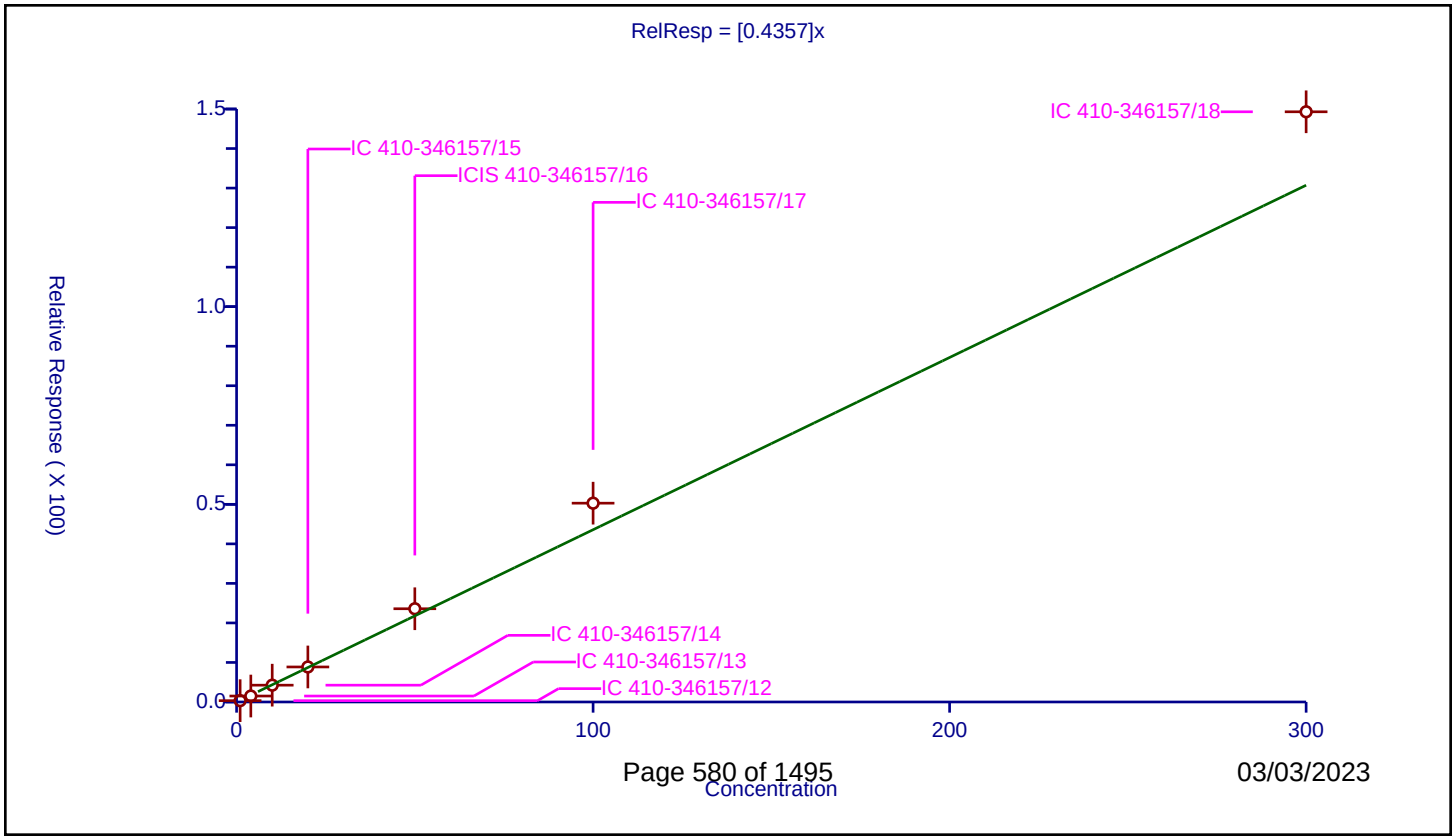
Curve Coefficients

Intercept:	0
Slope:	0.4357

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	14.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.333031	50.0	891359.0	0.333031	Y
2	IC 410-346157/13	4.0	1.505749	50.0	917351.0	0.376437	Y
3	IC 410-346157/14	10.0	4.254519	50.0	905308.0	0.425452	Y
4	IC 410-346157/15	20.0	8.858181	50.0	951832.0	0.442909	Y
5	ICIS 410-346157/16	50.0	23.586867	50.0	967708.0	0.471737	Y
6	IC 410-346157/17	100.0	50.291584	50.0	957185.0	0.502916	Y
7	IC 410-346157/18	300.0	149.300189	50.0	1057642.0	0.497667	Y



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Calibration / Isopropylbenzene

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

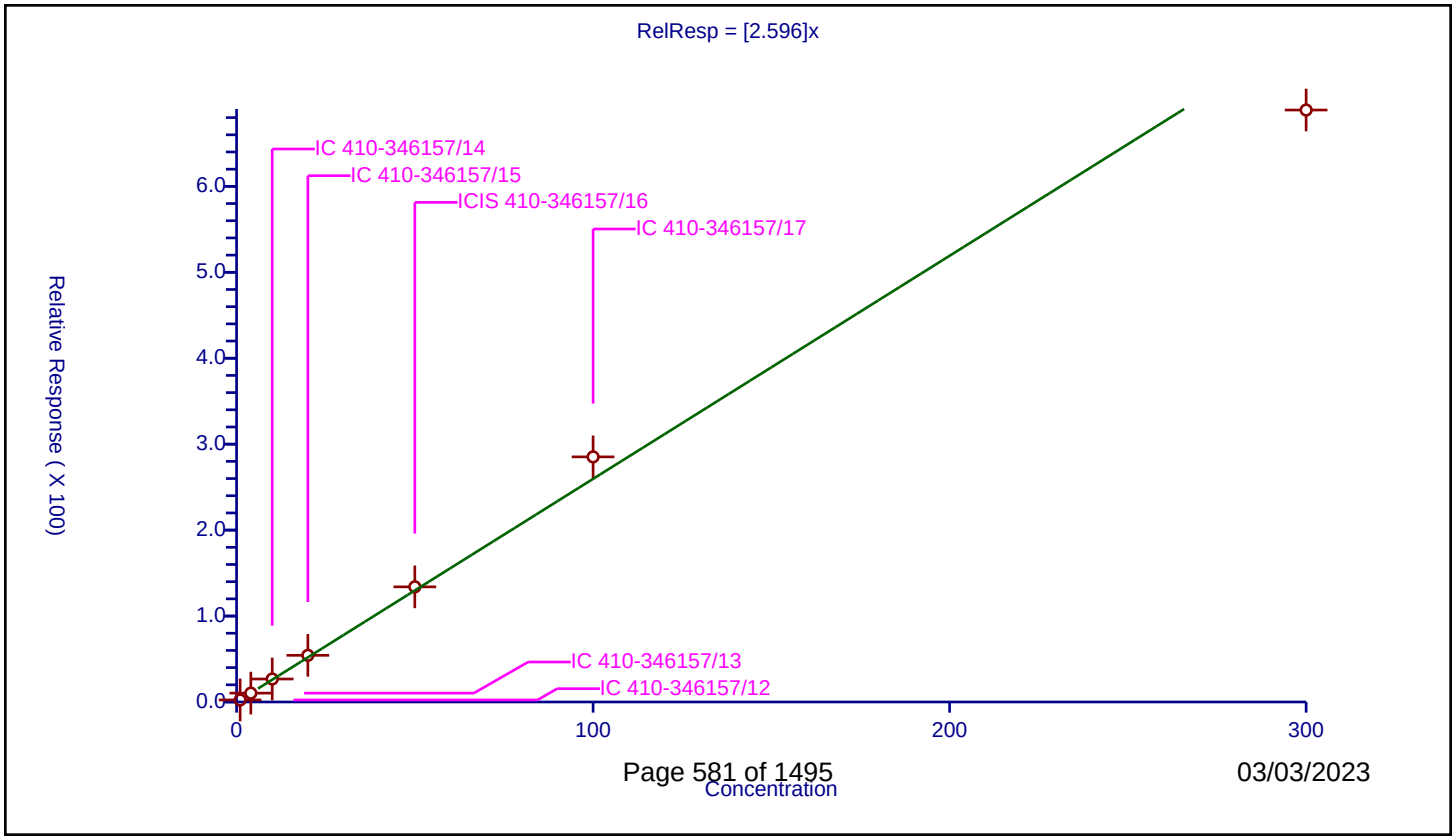
Curve Coefficients

Intercept:	0
Slope:	2.596

Error Coefficients

Standard Error:	6460000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	2.379008	50.0	891359.0	2.379008	Y
2	IC 410-346157/13	4.0	10.312683	50.0	917351.0	2.578171	Y
3	IC 410-346157/14	10.0	26.732946	50.0	905308.0	2.673295	Y
4	IC 410-346157/15	20.0	54.299078	50.0	951832.0	2.714954	Y
5	ICIS 410-346157/16	50.0	133.963706	50.0	967708.0	2.679274	Y
6	IC 410-346157/17	100.0	285.213726	50.0	957185.0	2.852137	Y
7	IC 410-346157/18	300.0	688.825472	50.0	1057642.0	2.296085	Y



Calibration / Cyclohexanone

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

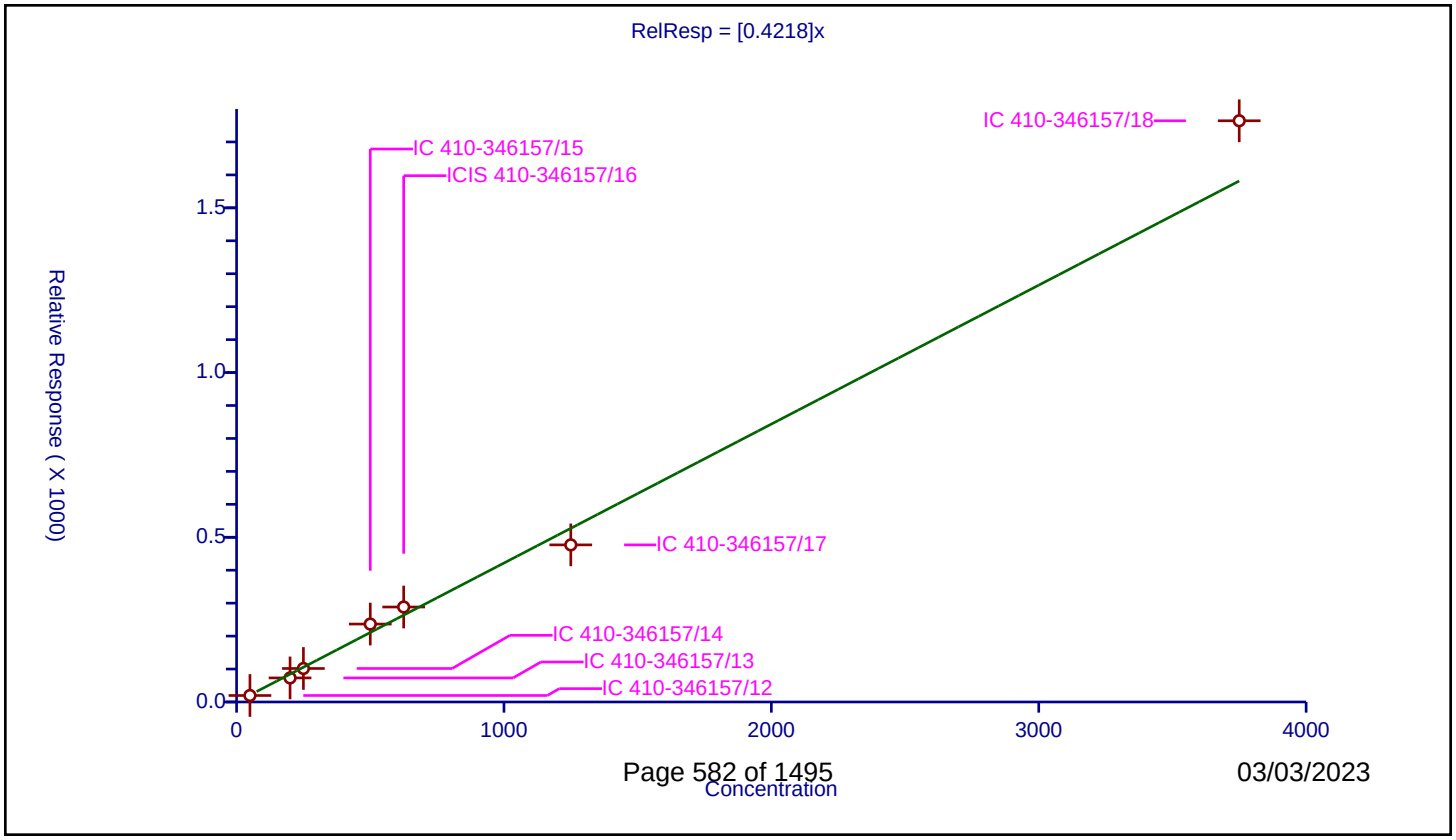
Curve Coefficients

Intercept:	0
Slope:	0.4218

Error Coefficients

Standard Error:	2200000
Relative Standard Error:	10.8
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	49.998	19.696066	250.0	677153.0	0.393937	Y
2	IC 410-346157/13	199.992	73.016231	250.0	641128.0	0.365096	Y
3	IC 410-346157/14	249.99	101.705123	250.0	579929.0	0.406837	Y
4	IC 410-346157/15	499.98	236.554554	250.0	687017.0	0.473128	Y
5	ICIS 410-346157/16	624.975	288.283376	250.0	693297.0	0.461272	Y
6	IC 410-346157/17	1249.95	476.888675	250.0	565264.0	0.381526	Y
7	IC 410-346157/18	3749.85	1764.322509	250.0	731279.0	0.470505	Y



03/03/2023

Calibration / 4-Bromofluorobenzene (Surr)

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

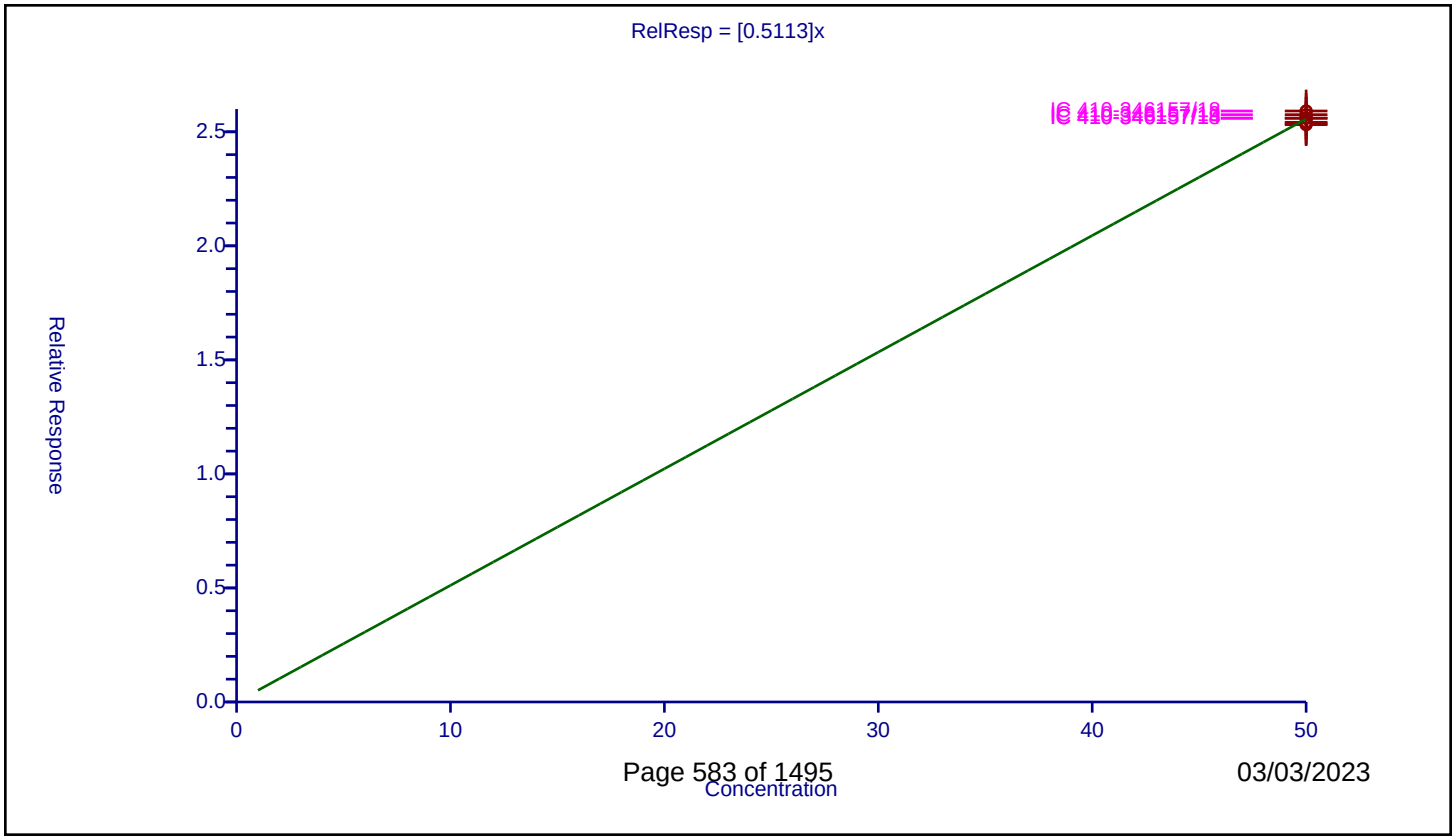
Curve Coefficients

Intercept:	0
Slope:	0.5113

Error Coefficients

Standard Error:	526000
Relative Standard Error:	0.9
Correlation Coefficient:	0.000000000000000000
Coefficient of Determination (Adjusted):	0.000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	50.0	25.313931	50.0	891359.0	0.506279	Y
2	IC 410-346157/13	50.0	25.751975	50.0	917351.0	0.515039	Y
3	IC 410-346157/14	50.0	25.595985	50.0	905308.0	0.51192	Y
4	IC 410-346157/15	50.0	25.599581	50.0	951832.0	0.511992	Y
5	ICIS 410-346157/16	50.0	25.357856	50.0	967708.0	0.507157	Y
6	IC 410-346157/17	50.0	25.417239	50.0	957185.0	0.508345	Y
7	IC 410-346157/18	50.0	25.913636	50.0	1057642.0	0.518273	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

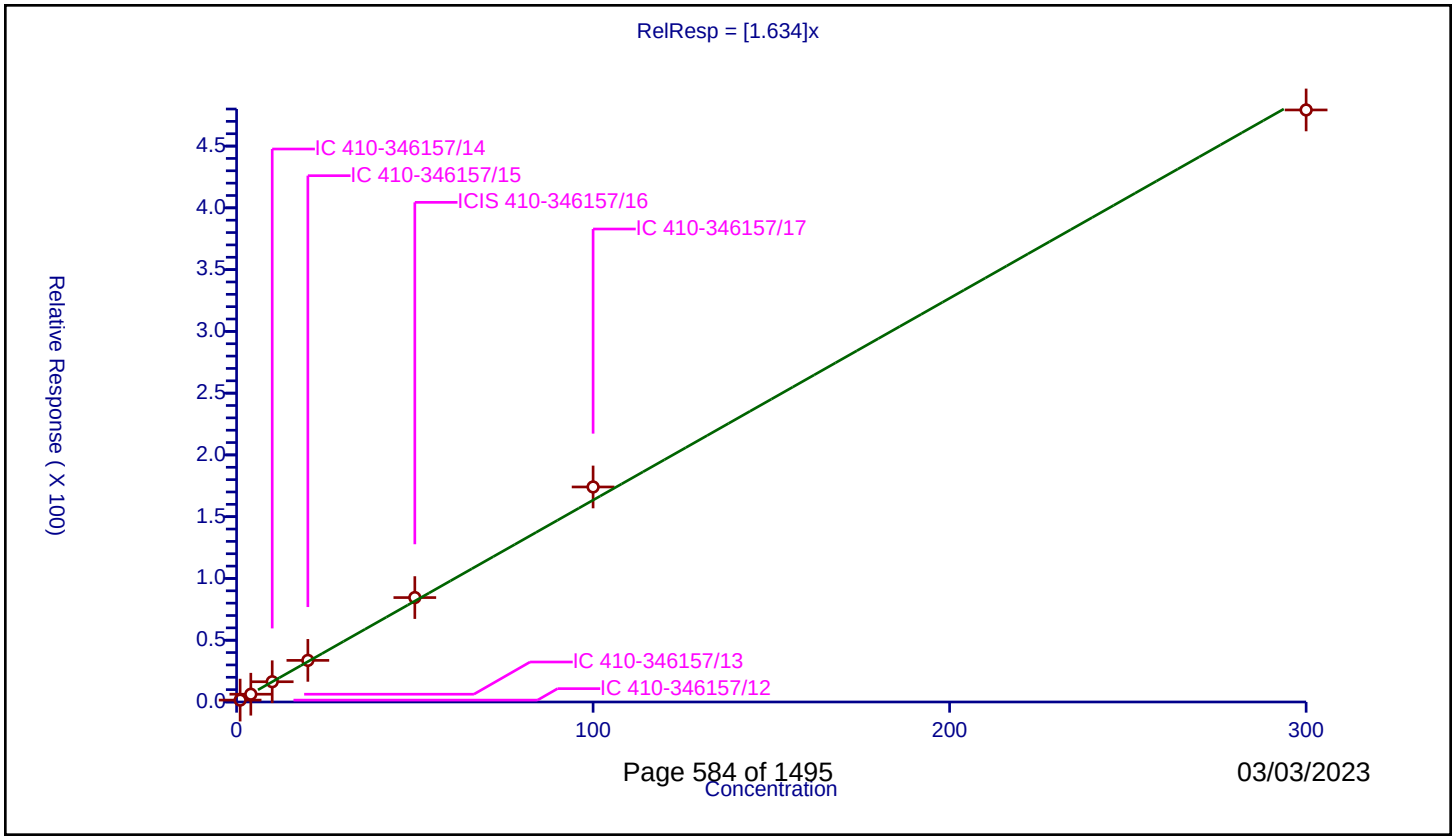
Curve Coefficients

Intercept:	0
Slope:	1.634

Error Coefficients

Standard Error:	2730000
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 410-346157/12	1.0	1.512515	50.0	570110.0	1.512515	Y
2	IC 410-346157/13	4.0	6.296036	50.0	592341.0	1.574009	Y
3	IC 410-346157/14	10.0	16.393185	50.0	572860.0	1.639319	Y
4	IC 410-346157/15	20.0	33.685928	50.0	602581.0	1.684296	Y
5	ICIS 410-346157/16	50.0	84.530369	50.0	607264.0	1.690607	Y
6	IC 410-346157/17	100.0	174.066202	50.0	590947.0	1.740662	Y
7	IC 410-346157/18	300.0	479.248958	50.0	653878.0	1.597497	Y



Calibration / Bromobenzene

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

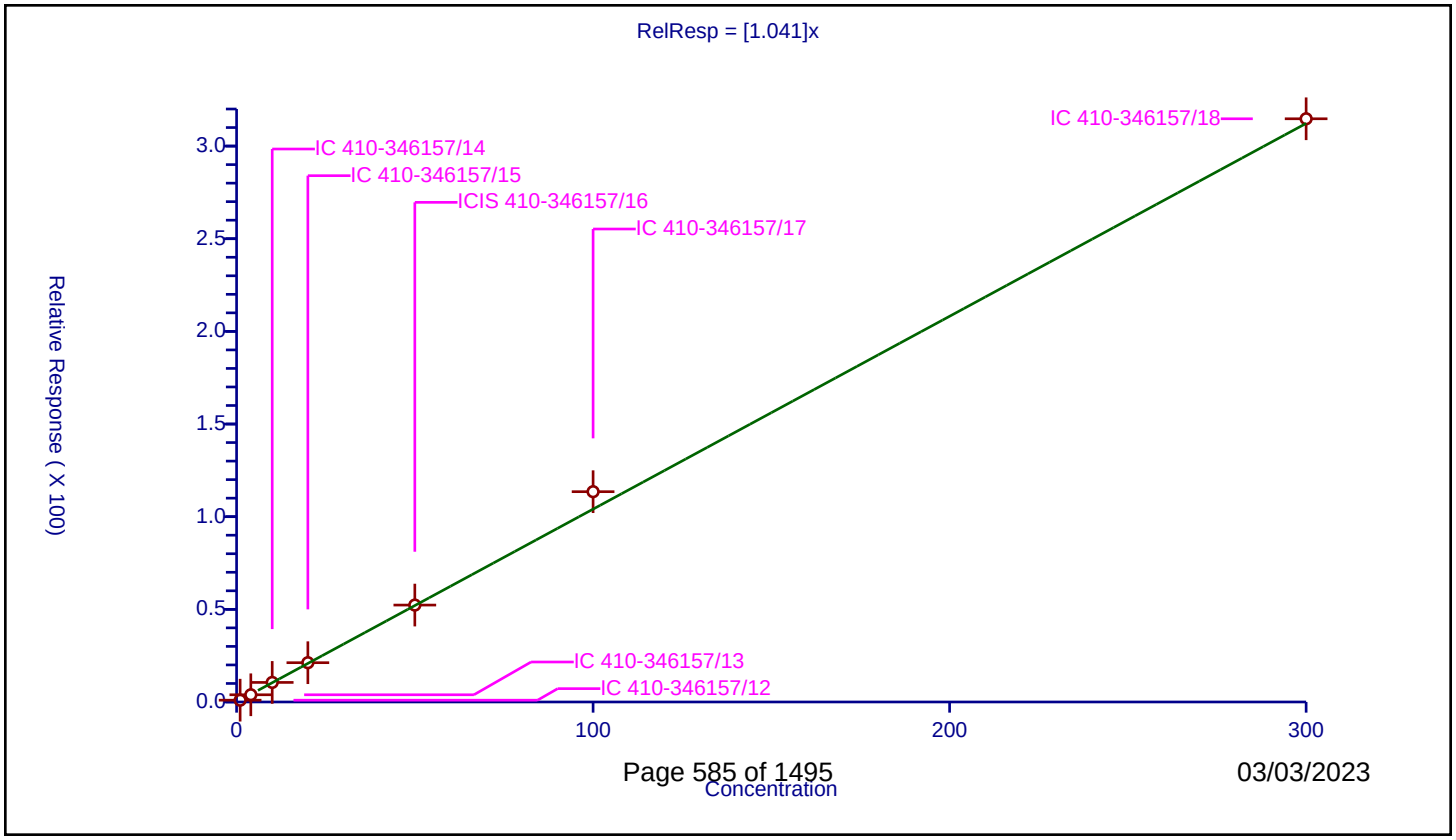
Curve Coefficients

Intercept:	0
Slope:	1.041

Error Coefficients

Standard Error:	1790000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.968322	50.0	570110.0	0.968322	Y
2	IC 410-346157/13	4.0	3.8856	50.0	592341.0	0.9714	Y
3	IC 410-346157/14	10.0	10.556331	50.0	572860.0	1.055633	Y
4	IC 410-346157/15	20.0	21.201714	50.0	602581.0	1.060086	Y
5	ICIS 410-346157/16	50.0	52.300812	50.0	607264.0	1.046016	Y
6	IC 410-346157/17	100.0	113.49055	50.0	590947.0	1.134905	Y
7	IC 410-346157/18	300.0	314.737841	50.0	653878.0	1.049126	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

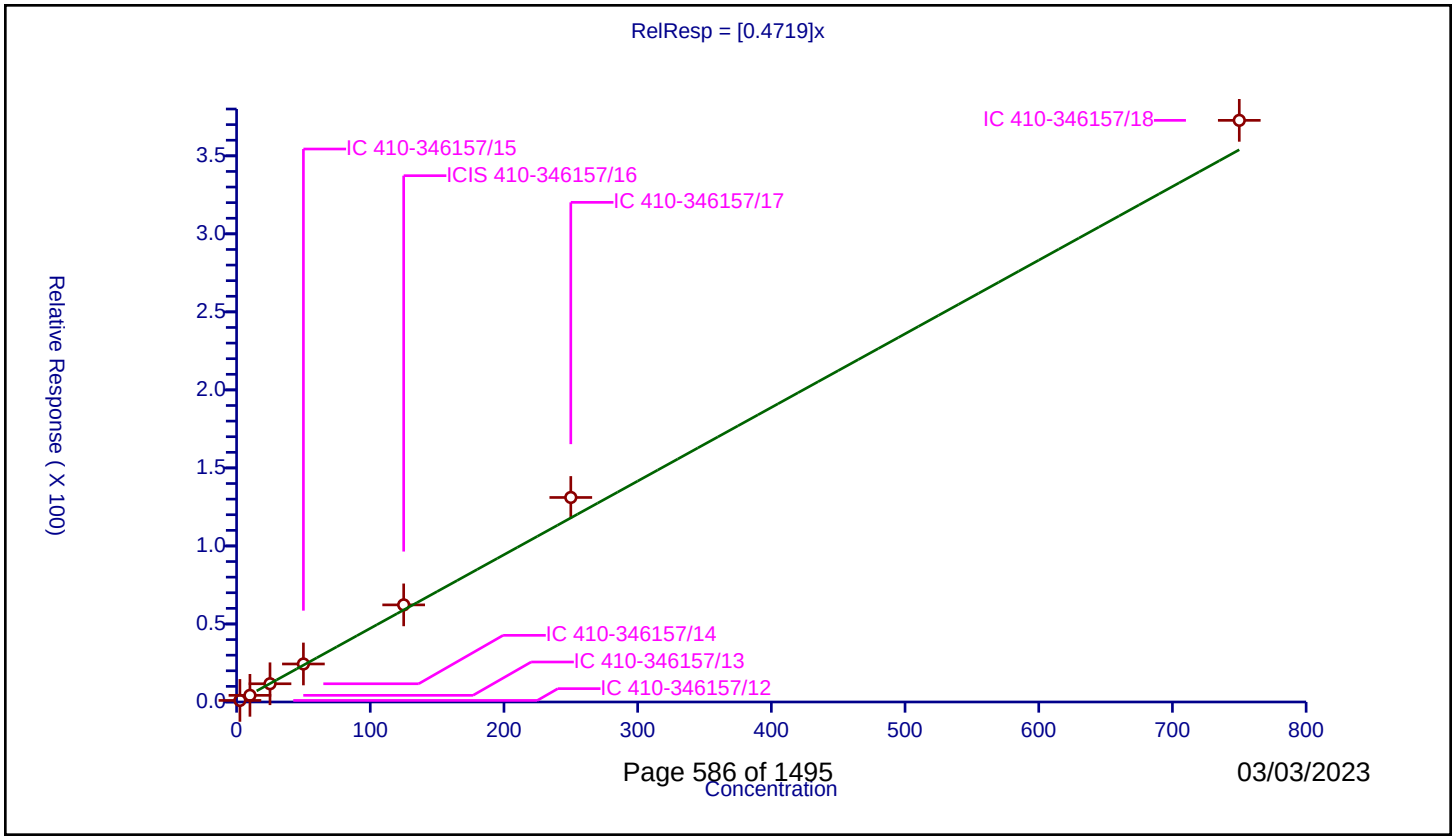
Curve Coefficients

Intercept:	0
Slope:	0.4719

Error Coefficients

Standard Error:	2110000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	2.5	1.007876	50.0	570110.0	0.40315	Y
2	IC 410-346157/13	10.0	4.261397	50.0	592341.0	0.42614	Y
3	IC 410-346157/14	25.0	11.68453	50.0	572860.0	0.467381	Y
4	IC 410-346157/15	50.0	24.361787	50.0	602581.0	0.487236	Y
5	ICIS 410-346157/16	125.0	62.234959	50.0	607264.0	0.49788	Y
6	IC 410-346157/17	250.0	131.065392	50.0	590947.0	0.524262	Y
7	IC 410-346157/18	750.0	372.74201	50.0	653878.0	0.496989	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

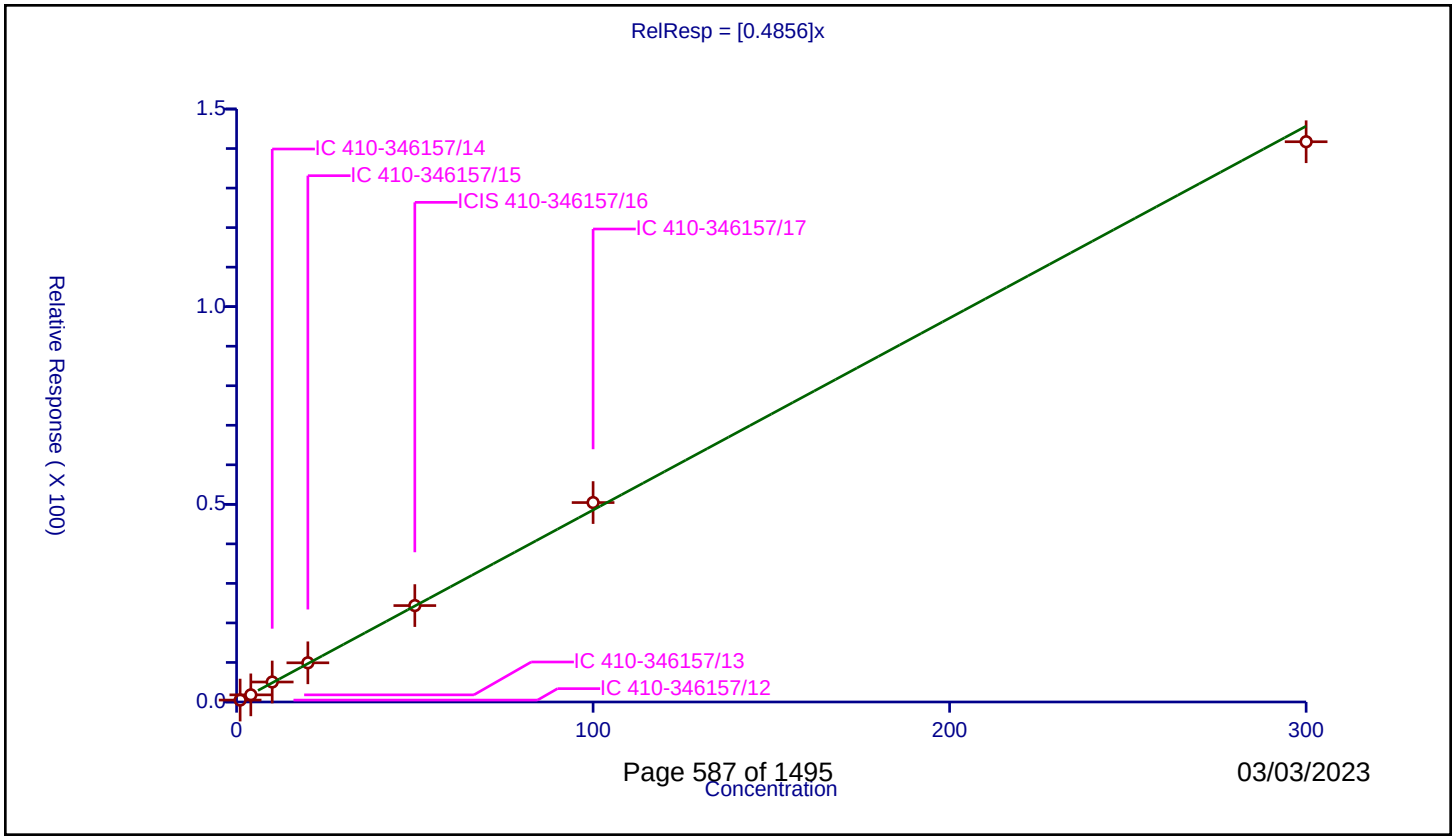
Curve Coefficients

Intercept:	0
Slope:	0.4856

Error Coefficients

Standard Error:	806000
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 410-346157/12	1.0	0.482714	50.0	570110.0	0.482714	Y
2	IC 410-346157/13	4.0	1.802931	50.0	592341.0	0.450733	Y
3	IC 410-346157/14	10.0	5.053154	50.0	572860.0	0.505315	Y
4	IC 410-346157/15	20.0	9.910286	50.0	602581.0	0.495514	Y
5	ICIS 410-346157/16	50.0	24.386428	50.0	607264.0	0.487729	Y
6	IC 410-346157/17	100.0	50.450379	50.0	590947.0	0.504504	Y
7	IC 410-346157/18	300.0	141.724221	50.0	653878.0	0.472414	Y



Calibration / N-Propylbenzene

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

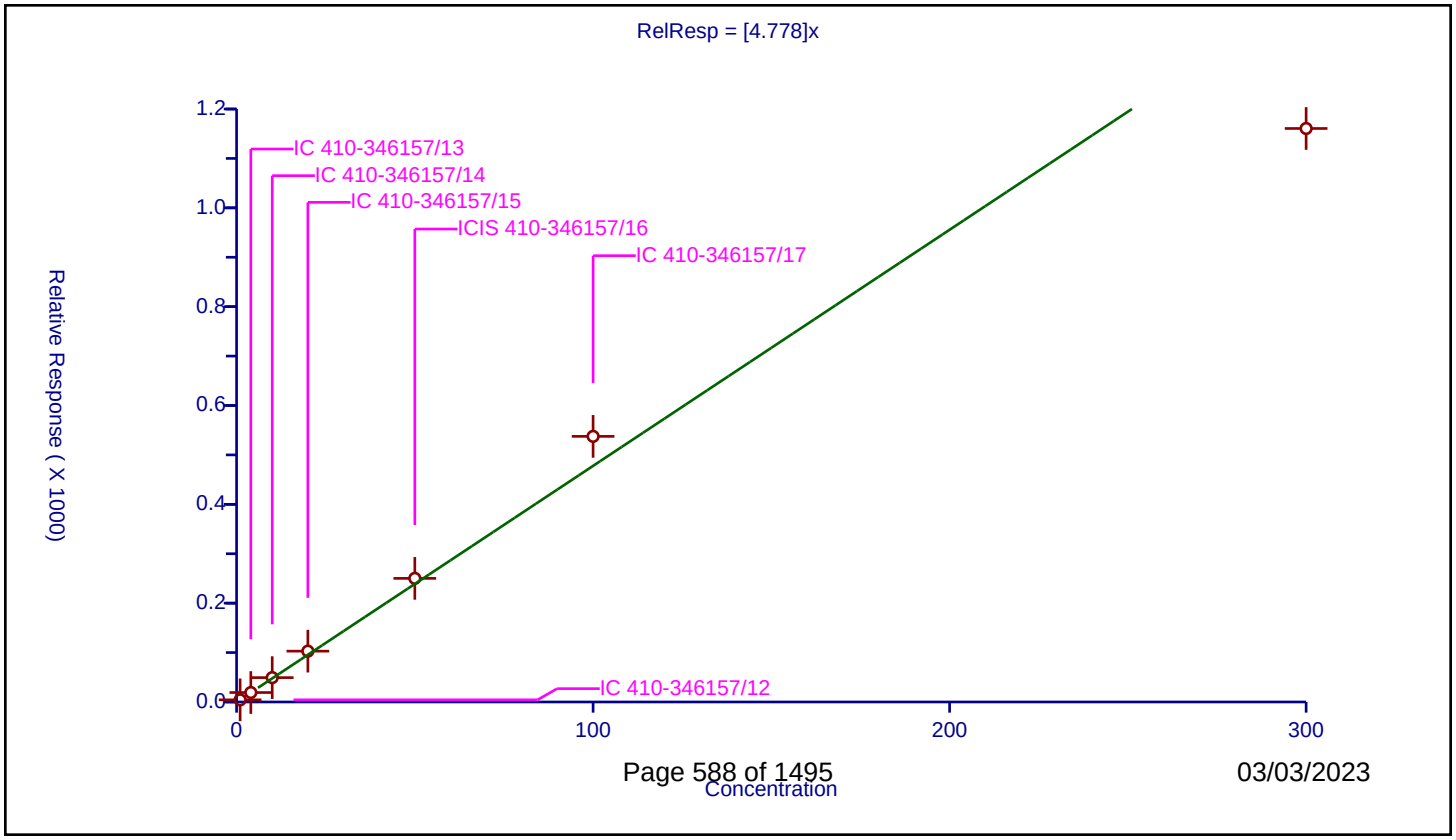
Curve Coefficients

Intercept:	0
Slope:	4.778

Error Coefficients

Standard Error:	6850000
Relative Standard Error:	10.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	4.342934	50.0	570110.0	4.342934	Y
2	IC 410-346157/13	4.0	19.128509	50.0	592341.0	4.782127	Y
3	IC 410-346157/14	10.0	49.297385	50.0	572860.0	4.929739	Y
4	IC 410-346157/15	20.0	102.89181	50.0	602581.0	5.144591	Y
5	ICIS 410-346157/16	50.0	250.174883	50.0	607264.0	5.003498	Y
6	IC 410-346157/17	100.0	537.544399	50.0	590947.0	5.375444	Y
7	IC 410-346157/18	300.0	1160.609548	50.0	653878.0	3.868698	Y



Calibration / 2-Chlorotoluene

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

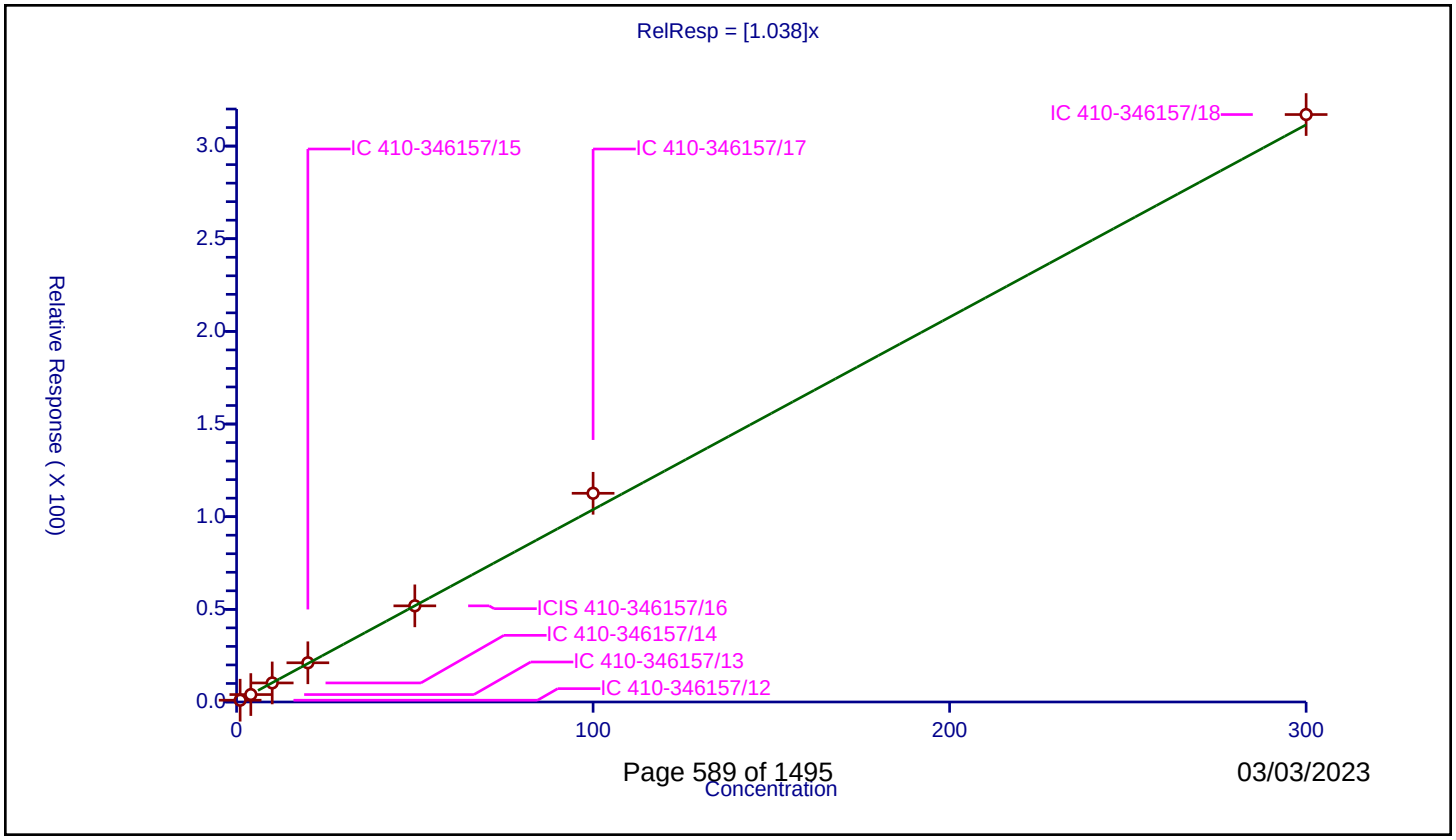
Curve Coefficients

Intercept:	0
Slope:	1.038

Error Coefficients

Standard Error:	1800000
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 410-346157/12	1.0	0.957535	50.0	570110.0	0.957535	Y
2	IC 410-346157/13	4.0	4.013989	50.0	592341.0	1.003497	Y
3	IC 410-346157/14	10.0	10.285148	50.0	572860.0	1.028515	Y
4	IC 410-346157/15	20.0	21.166366	50.0	602581.0	1.058318	Y
5	ICIS 410-346157/16	50.0	51.8874	50.0	607264.0	1.037748	Y
6	IC 410-346157/17	100.0	112.630997	50.0	590947.0	1.12631	Y
7	IC 410-346157/18	300.0	317.01923	50.0	653878.0	1.056731	Y



03/03/2023

Calibration / 1,3,5-Trimethylbenzene

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

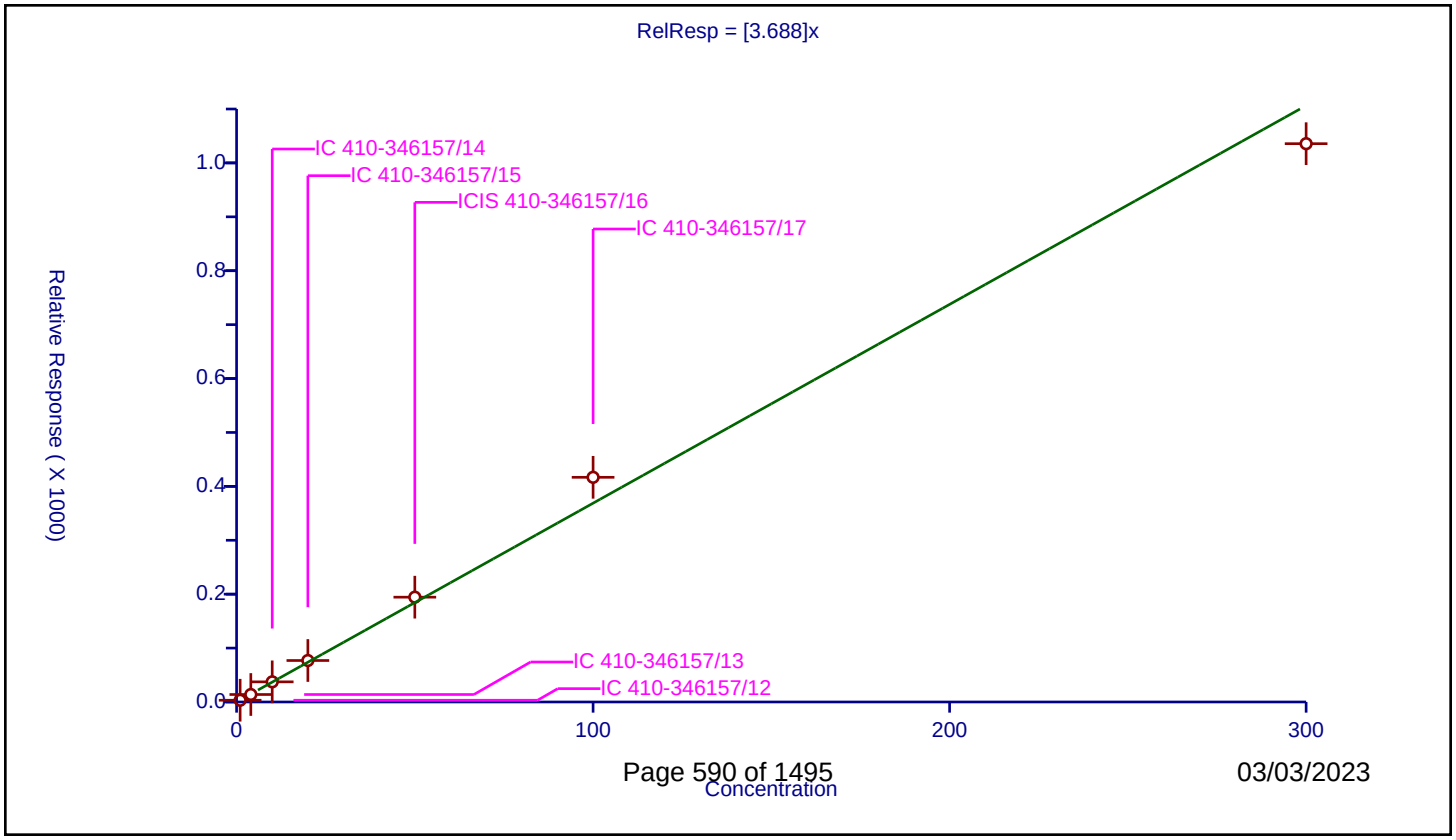
Curve Coefficients

Intercept:	0
Slope:	3.688

Error Coefficients

Standard Error:	5980000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	3.2556	50.0	570110.0	3.2556	Y
2	IC 410-346157/13	4.0	13.867434	50.0	592341.0	3.466859	Y
3	IC 410-346157/14	10.0	37.360437	50.0	572860.0	3.736044	Y
4	IC 410-346157/15	20.0	76.957953	50.0	602581.0	3.847898	Y
5	ICIS 410-346157/16	50.0	194.417008	50.0	607264.0	3.88834	Y
6	IC 410-346157/17	100.0	416.791269	50.0	590947.0	4.167913	Y
7	IC 410-346157/18	300.0	1035.695573	50.0	653878.0	3.452319	Y



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Calibration / 4-Chlorotoluene

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

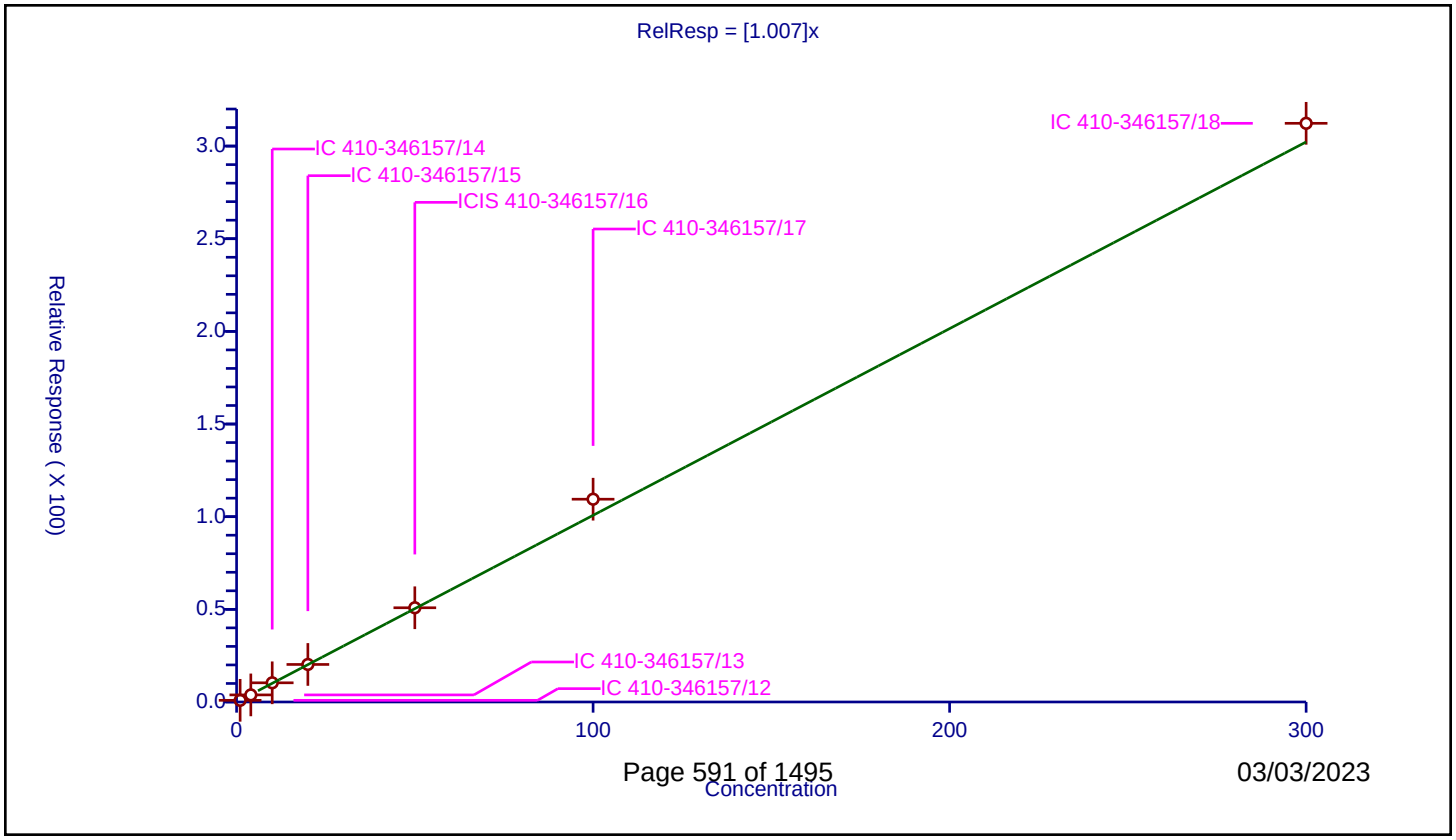
Curve Coefficients

Intercept:	0
Slope:	1.007

Error Coefficients

Standard Error:	1770000
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 410-346157/12	1.0	0.896844	50.0	570110.0	0.896844	Y
2	IC 410-346157/13	4.0	3.821279	50.0	592341.0	0.95532	Y
3	IC 410-346157/14	10.0	10.348602	50.0	572860.0	1.03486	Y
4	IC 410-346157/15	20.0	20.254455	50.0	602581.0	1.012723	Y
5	ICIS 410-346157/16	50.0	50.854241	50.0	607264.0	1.017085	Y
6	IC 410-346157/17	100.0	109.435787	50.0	590947.0	1.094358	Y
7	IC 410-346157/18	300.0	312.283102	50.0	653878.0	1.040944	Y



Calibration / tert-Butylbenzene

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

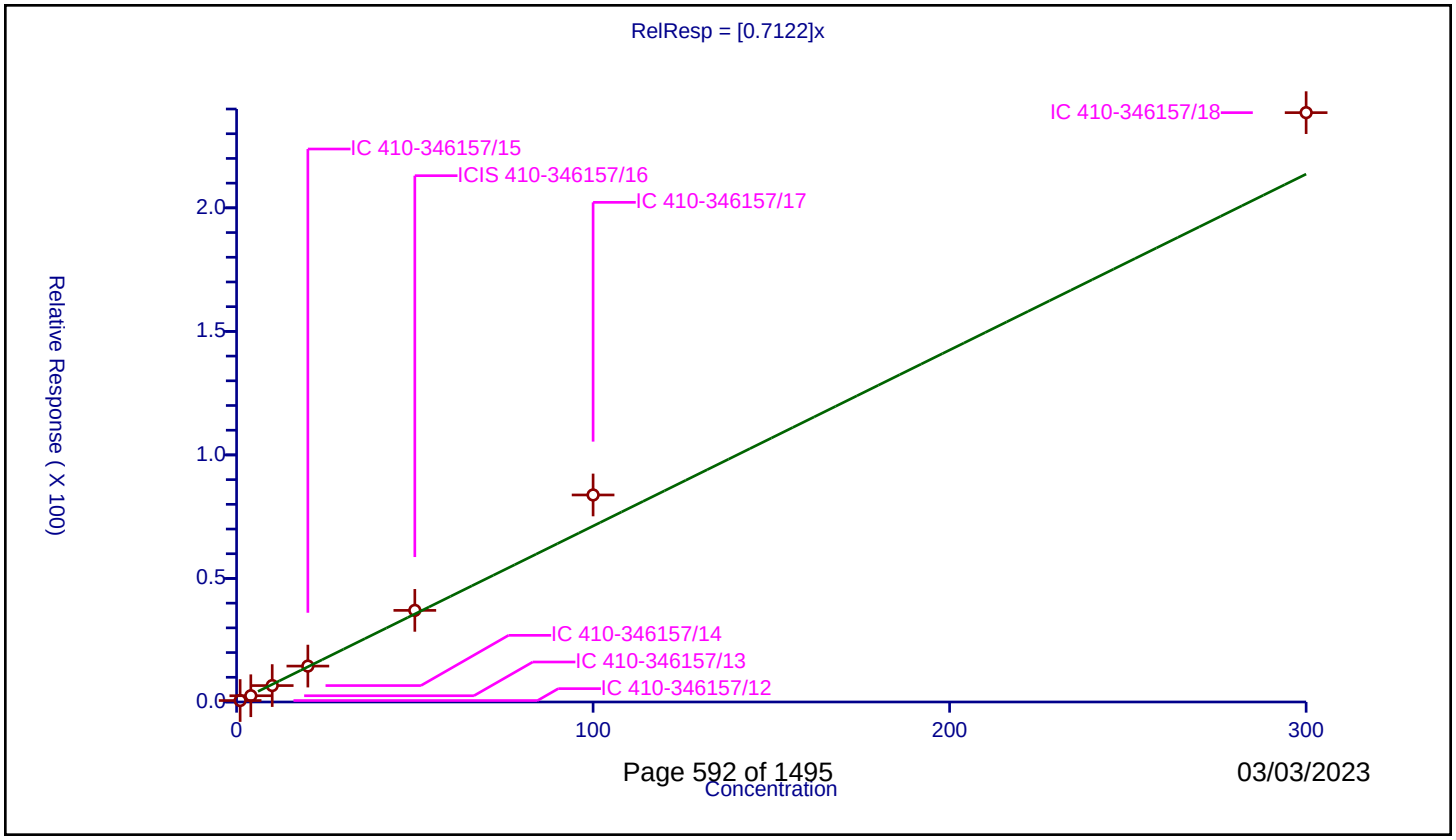
Curve Coefficients

Intercept:	0
Slope:	0.7122

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	12.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.587343	50.0	570110.0	0.587343	Y
2	IC 410-346157/13	4.0	2.527007	50.0	592341.0	0.631752	Y
3	IC 410-346157/14	10.0	6.647087	50.0	572860.0	0.664709	Y
4	IC 410-346157/15	20.0	14.53456	50.0	602581.0	0.726728	Y
5	ICIS 410-346157/16	50.0	37.083871	50.0	607264.0	0.741677	Y
6	IC 410-346157/17	100.0	83.794655	50.0	590947.0	0.837947	Y
7	IC 410-346157/18	300.0	238.534864	50.0	653878.0	0.795116	Y



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Calibration / 1,2,4-Trimethylbenzene

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

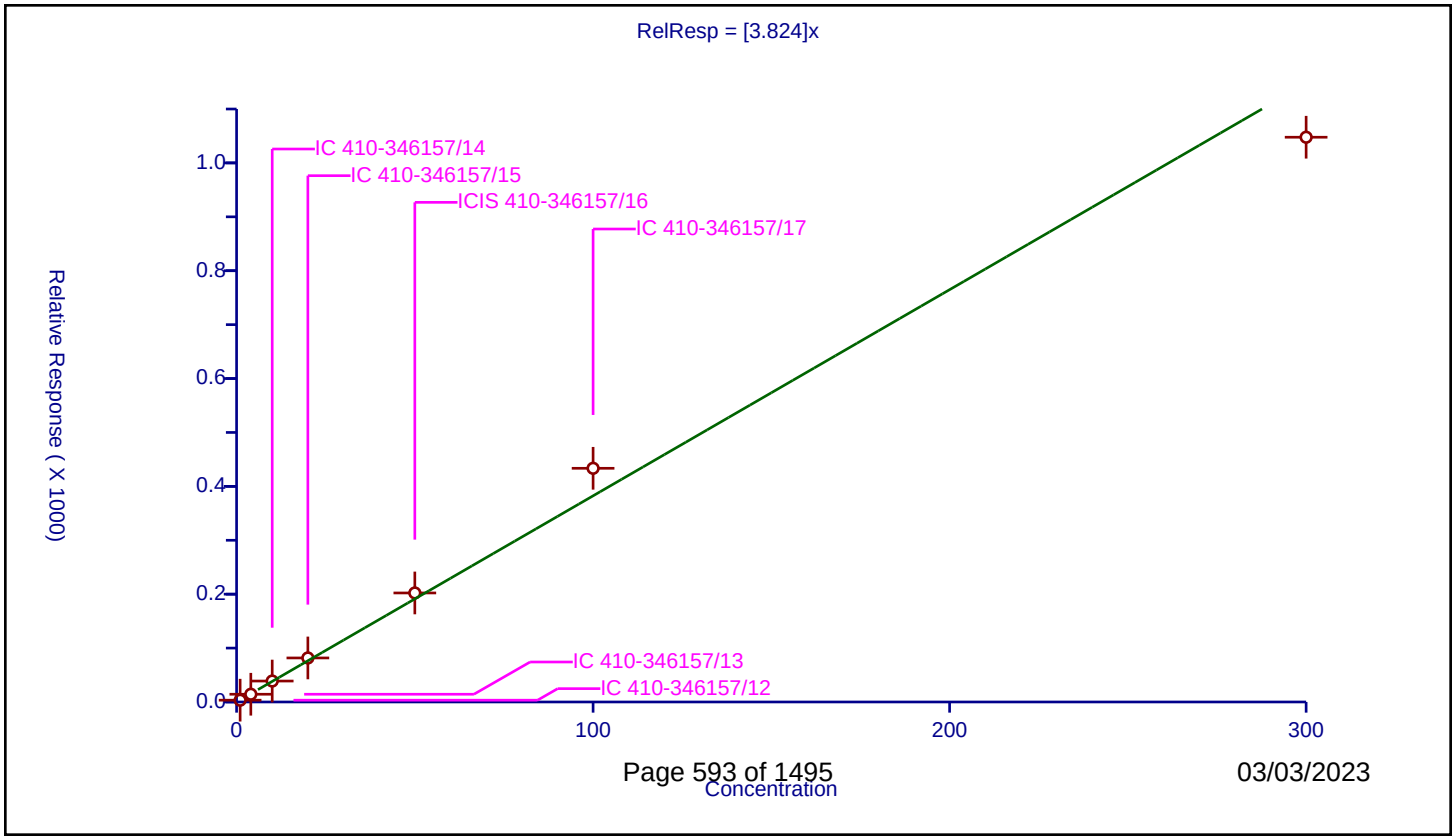
Curve Coefficients

Intercept:	0
Slope:	3.824

Error Coefficients

Standard Error:	6070000
Relative Standard Error:	9.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	3.32848	50.0	570110.0	3.32848	Y
2	IC 410-346157/13	4.0	14.3896	50.0	592341.0	3.5974	Y
3	IC 410-346157/14	10.0	38.871016	50.0	572860.0	3.887102	Y
4	IC 410-346157/15	20.0	81.686777	50.0	602581.0	4.084339	Y
5	ICIS 410-346157/16	50.0	202.26656	50.0	607264.0	4.045331	Y
6	IC 410-346157/17	100.0	433.530841	50.0	590947.0	4.335308	Y
7	IC 410-346157/18	300.0	1047.673649	50.0	653878.0	3.492245	Y



03/03/2023

Calibration / sec-Butylbenzene

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

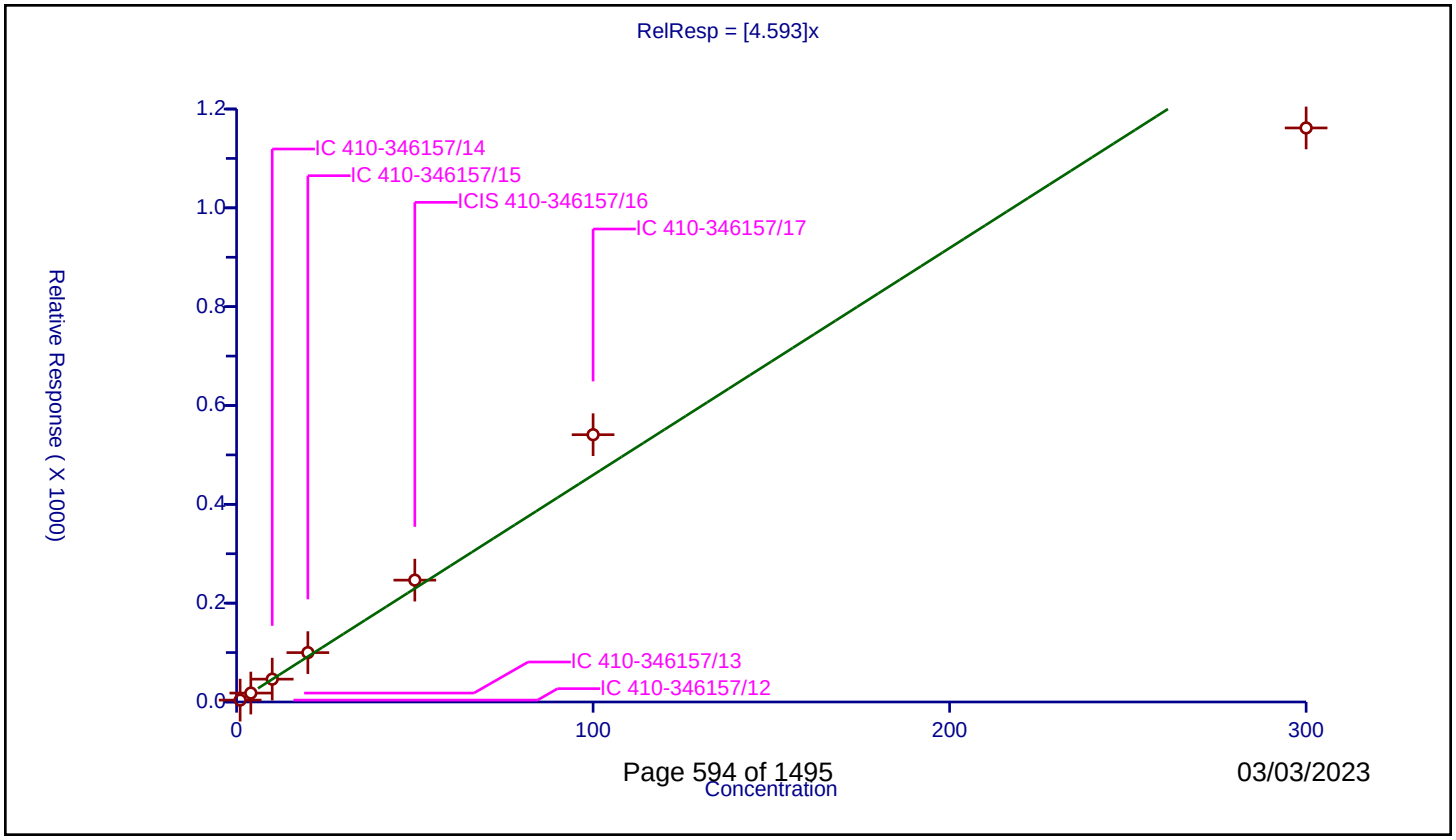
Curve Coefficients

Intercept:	0
Slope:	4.593

Error Coefficients

Standard Error:	6860000
Relative Standard Error:	12.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	3.818211	50.0	570110.0	3.818211	Y
2	IC 410-346157/13	4.0	18.027876	50.0	592341.0	4.506969	Y
3	IC 410-346157/14	10.0	46.211553	50.0	572860.0	4.621155	Y
4	IC 410-346157/15	20.0	99.899765	50.0	602581.0	4.994988	Y
5	ICIS 410-346157/16	50.0	246.582705	50.0	607264.0	4.931654	Y
6	IC 410-346157/17	100.0	540.895546	50.0	590947.0	5.408955	Y
7	IC 410-346157/18	300.0	1161.70096	50.0	653878.0	3.872337	Y



Calibration / 1,3-Dichlorobenzene

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

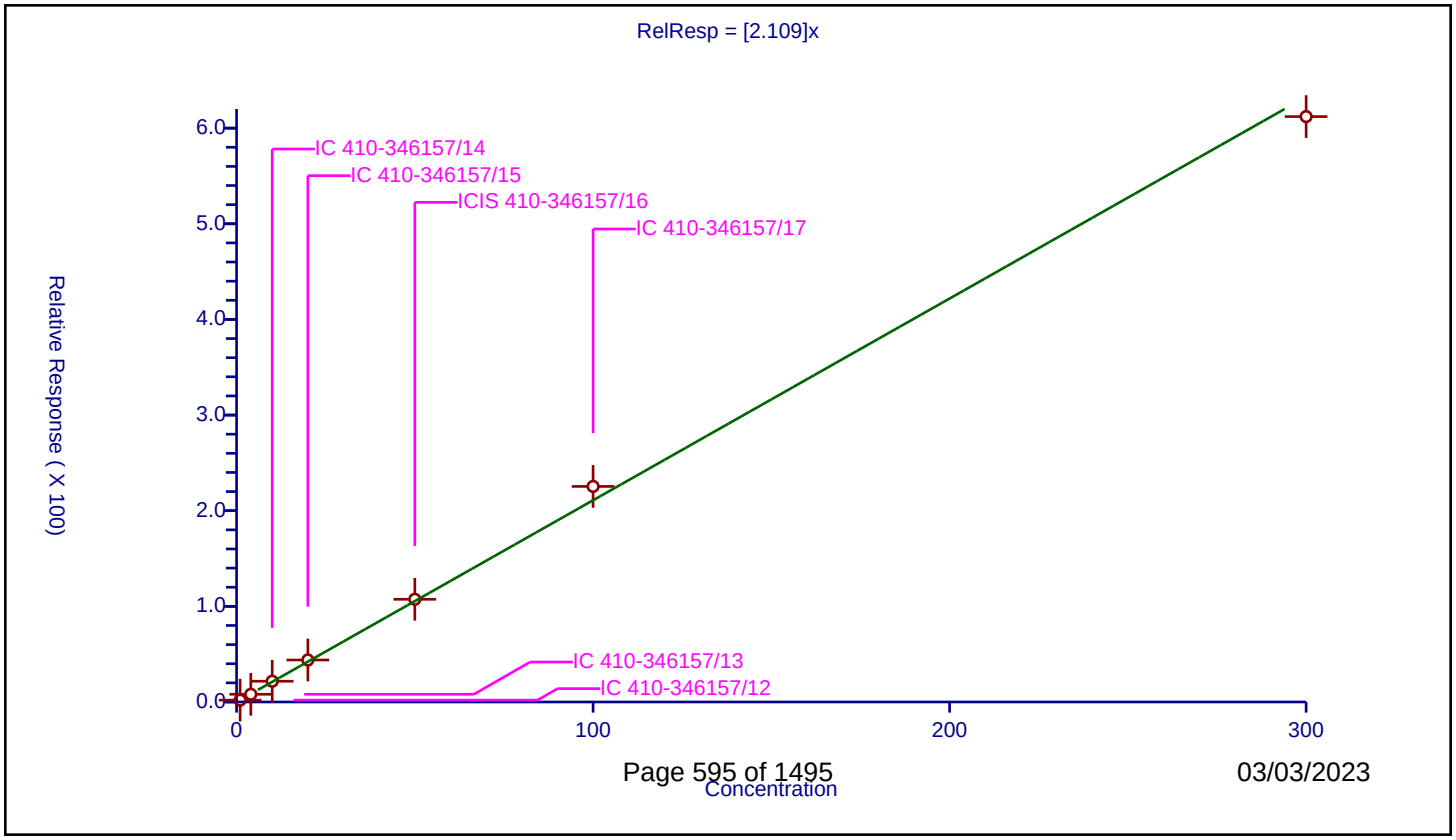
Curve Coefficients

Intercept:	0
Slope:	2.109

Error Coefficients

Standard Error:	3490000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	1.938135	50.0	570110.0	1.938135	Y
2	IC 410-346157/13	4.0	8.06917	50.0	592341.0	2.017292	Y
3	IC 410-346157/14	10.0	21.713246	50.0	572860.0	2.171325	Y
4	IC 410-346157/15	20.0	43.909118	50.0	602581.0	2.195456	Y
5	ICIS 410-346157/16	50.0	107.39069	50.0	607264.0	2.147814	Y
6	IC 410-346157/17	100.0	225.379518	50.0	590947.0	2.253795	Y
7	IC 410-346157/18	300.0	612.070906	50.0	653878.0	2.040236	Y



Calibration / 4-Isopropyltoluene

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

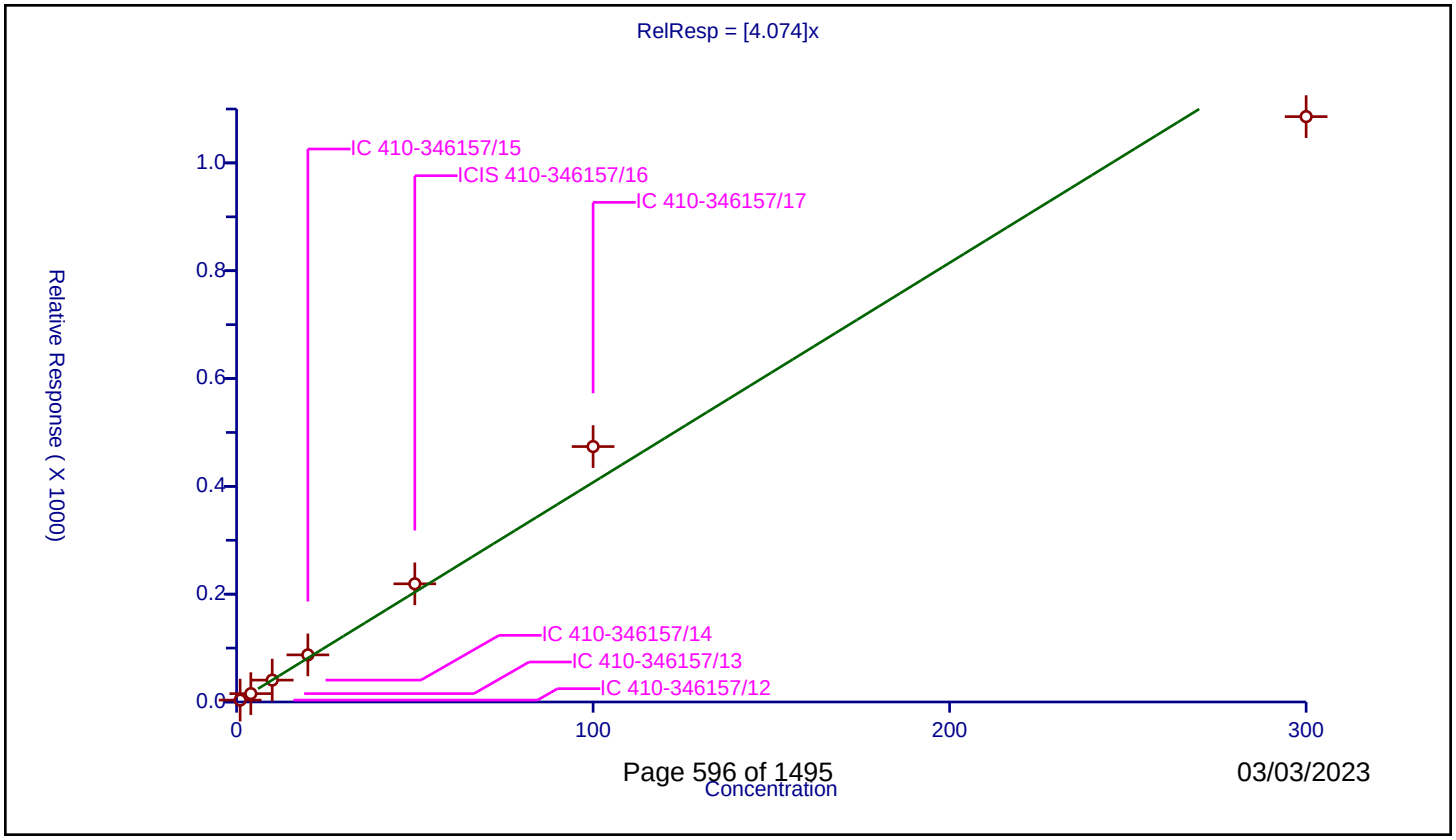
Curve Coefficients

Intercept:	0
Slope:	4.074

Error Coefficients

Standard Error:	6340000
Relative Standard Error:	11.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	3.465033	50.0	570110.0	3.465033	Y
2	IC 410-346157/13	4.0	15.528893	50.0	592341.0	3.882223	Y
3	IC 410-346157/14	10.0	40.565496	50.0	572860.0	4.05655	Y
4	IC 410-346157/15	20.0	87.39099	50.0	602581.0	4.369549	Y
5	ICIS 410-346157/16	50.0	219.218824	50.0	607264.0	4.384376	Y
6	IC 410-346157/17	100.0	473.828279	50.0	590947.0	4.738283	Y
7	IC 410-346157/18	300.0	1085.908151	50.0	653878.0	3.619694	Y



Calibration / 1,4-Dichlorobenzene

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

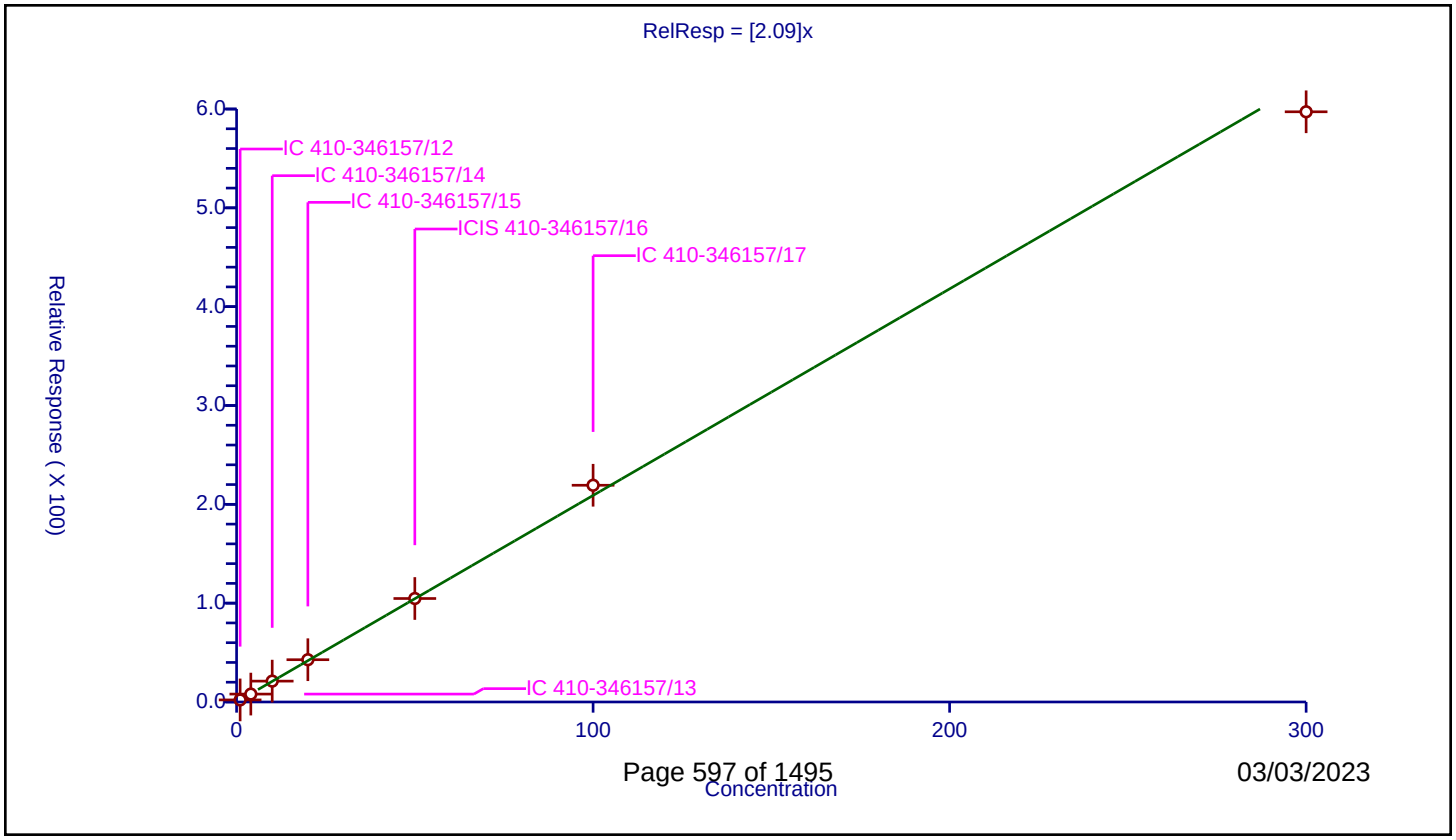
Curve Coefficients

Intercept:	0
Slope:	2.09

Error Coefficients

Standard Error:	3410000
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 410-346157/12	1.0	2.099946	50.0	570110.0	2.099946	Y
2	IC 410-346157/13	4.0	8.006621	50.0	592341.0	2.001655	Y
3	IC 410-346157/14	10.0	21.12462	50.0	572860.0	2.112462	Y
4	IC 410-346157/15	20.0	42.770184	50.0	602581.0	2.138509	Y
5	ICIS 410-346157/16	50.0	104.708249	50.0	607264.0	2.094165	Y
6	IC 410-346157/17	100.0	219.299023	50.0	590947.0	2.19299	Y
7	IC 410-346157/18	300.0	597.183496	50.0	653878.0	1.990612	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

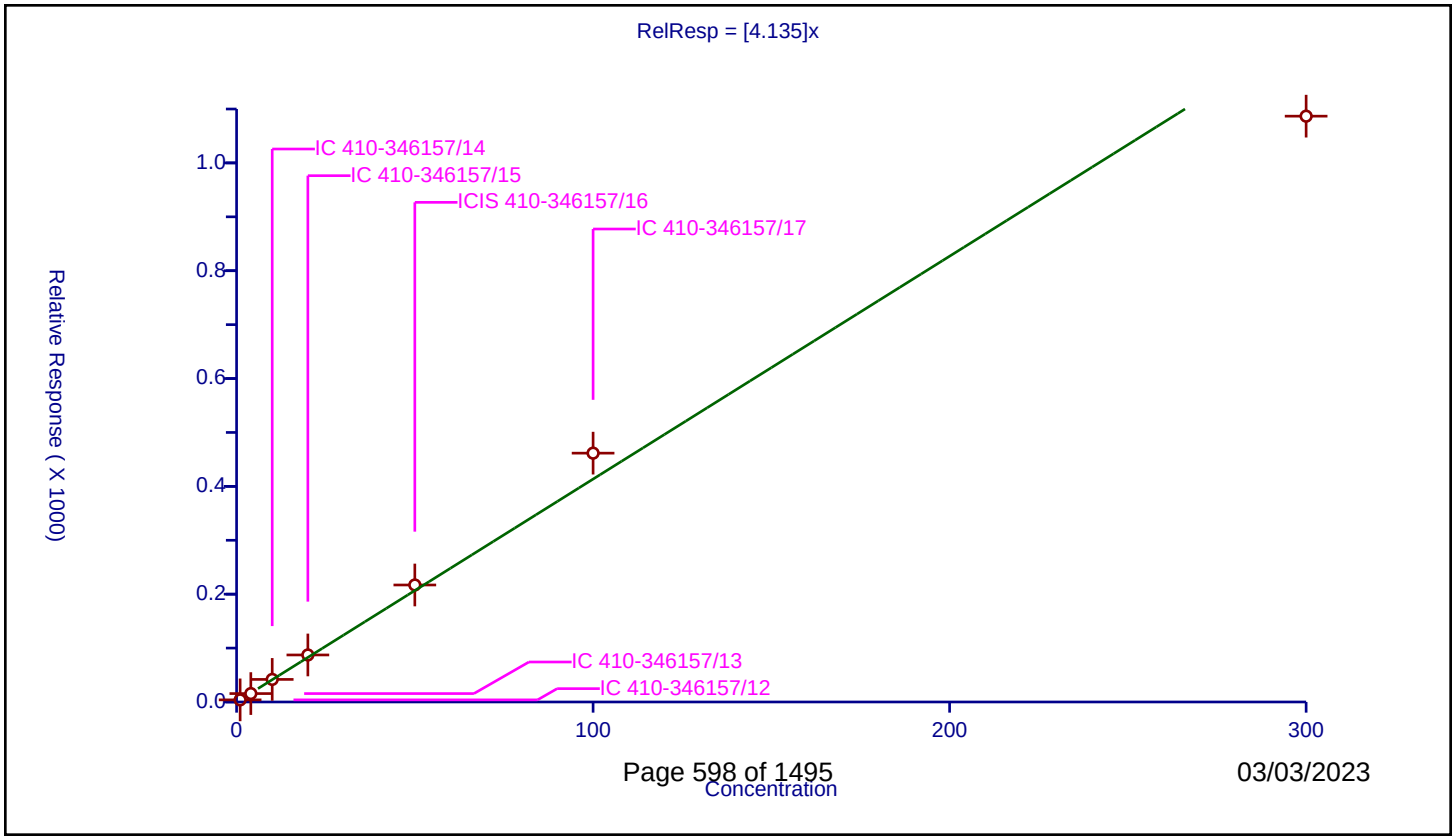
Curve Coefficients

Intercept:	0
Slope:	4.135

Error Coefficients

Standard Error:	6320000
Relative Standard Error:	8.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	3.909684	50.0	570110.0	3.909684	Y
2	IC 410-346157/13	4.0	15.62816	50.0	592341.0	3.90704	Y
3	IC 410-346157/14	10.0	41.852023	50.0	572860.0	4.185202	Y
4	IC 410-346157/15	20.0	87.238977	50.0	602581.0	4.361949	Y
5	ICIS 410-346157/16	50.0	217.053538	50.0	607264.0	4.341071	Y
6	IC 410-346157/17	100.0	461.630738	50.0	590947.0	4.616307	Y
7	IC 410-346157/18	300.0	1086.736058	50.0	653878.0	3.622454	Y



03/03/2023

Calibration / Benzyl chloride

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

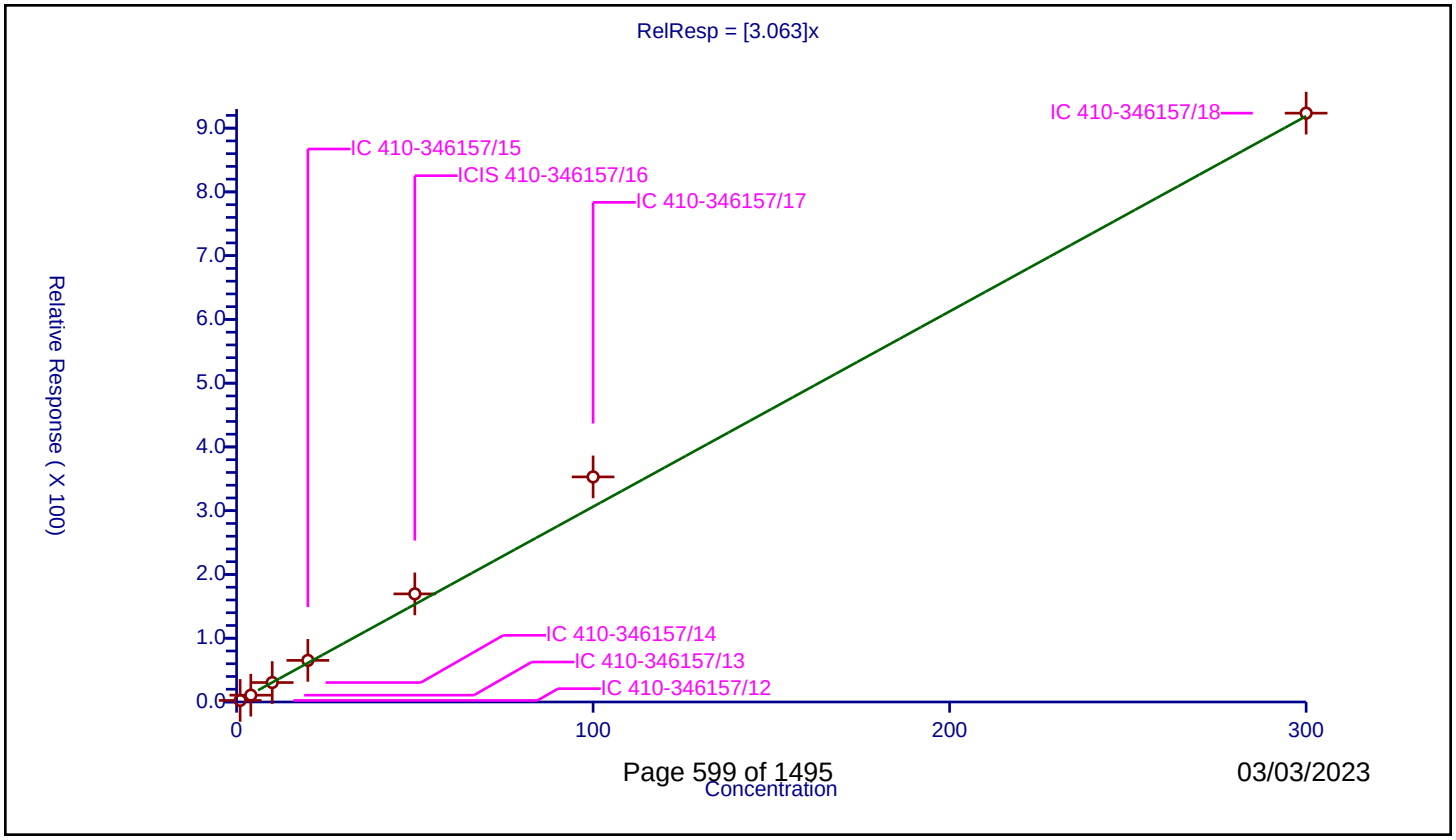
Curve Coefficients

Intercept:	0
Slope:	3.063

Error Coefficients

Standard Error:	5300000
Relative Standard Error:	12.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	2.45628	50.0	570110.0	2.45628	Y
2	IC 410-346157/13	4.0	10.688269	50.0	592341.0	2.672067	Y
3	IC 410-346157/14	10.0	30.491656	50.0	572860.0	3.049166	Y
4	IC 410-346157/15	20.0	65.258281	50.0	602581.0	3.262914	Y
5	ICIS 410-346157/16	50.0	169.51153	50.0	607264.0	3.390231	Y
6	IC 410-346157/17	100.0	353.022691	50.0	590947.0	3.530227	Y
7	IC 410-346157/18	300.0	923.496356	50.0	653878.0	3.078321	Y



03/03/2023

Calibration / 1,3-Diethylbenzene

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

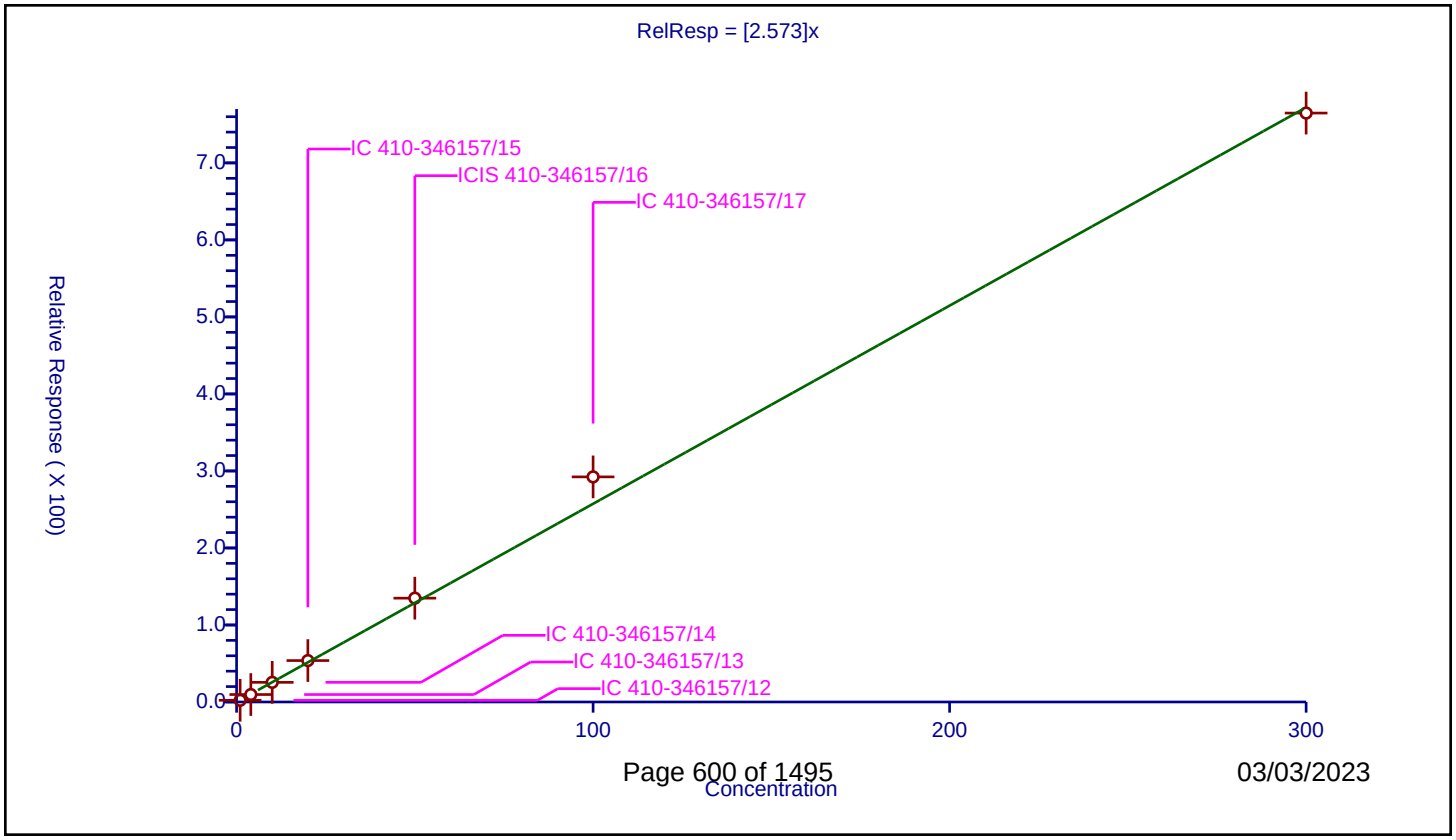
Curve Coefficients

Intercept:	0
Slope:	2.573

Error Coefficients

Standard Error:	4380000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	2.185719	50.0	570110.0	2.185719	Y
2	IC 410-346157/13	4.0	9.671963	50.0	592341.0	2.417991	Y
3	IC 410-346157/14	10.0	25.511905	50.0	572860.0	2.551191	Y
4	IC 410-346157/15	20.0	53.799821	50.0	602581.0	2.689991	Y
5	ICIS 410-346157/16	50.0	134.836578	50.0	607264.0	2.696732	Y
6	IC 410-346157/17	100.0	292.321477	50.0	590947.0	2.923215	Y
7	IC 410-346157/18	300.0	764.73807	50.0	653878.0	2.549127	Y



Calibration / p-Diethylbenzene

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

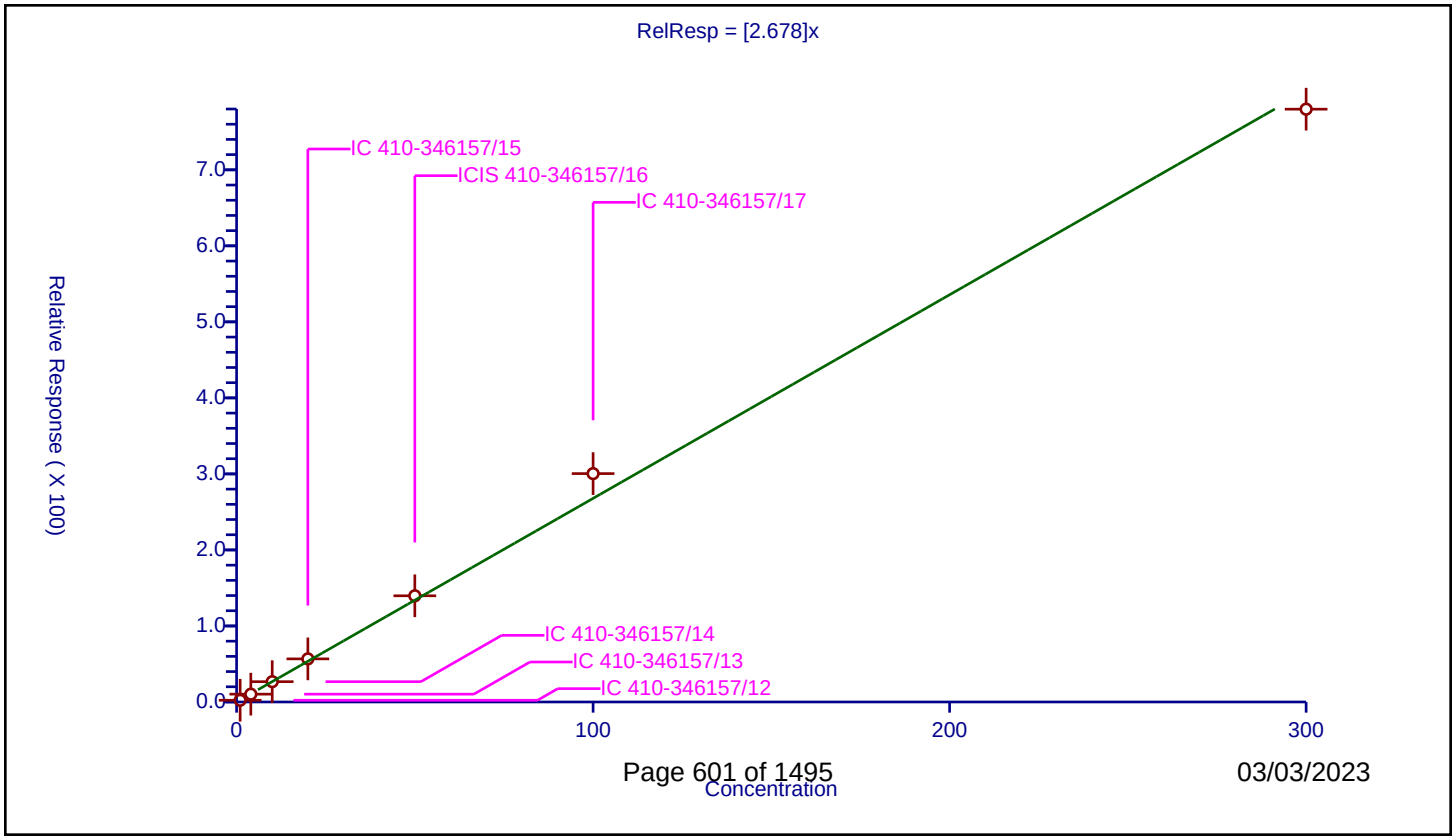
Curve Coefficients

Intercept:	0
Slope:	2.678

Error Coefficients

Standard Error:	4470000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	2.270264	50.0	570110.0	2.270264	Y
2	IC 410-346157/13	4.0	10.29196	50.0	592341.0	2.57299	Y
3	IC 410-346157/14	10.0	26.722323	50.0	572860.0	2.672232	Y
4	IC 410-346157/15	20.0	56.703331	50.0	602581.0	2.835167	Y
5	ICIS 410-346157/16	50.0	139.704889	50.0	607264.0	2.794098	Y
6	IC 410-346157/17	100.0	300.406551	50.0	590947.0	3.004066	Y
7	IC 410-346157/18	300.0	779.799749	50.0	653878.0	2.599332	Y



Calibration / n-Butylbenzene

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

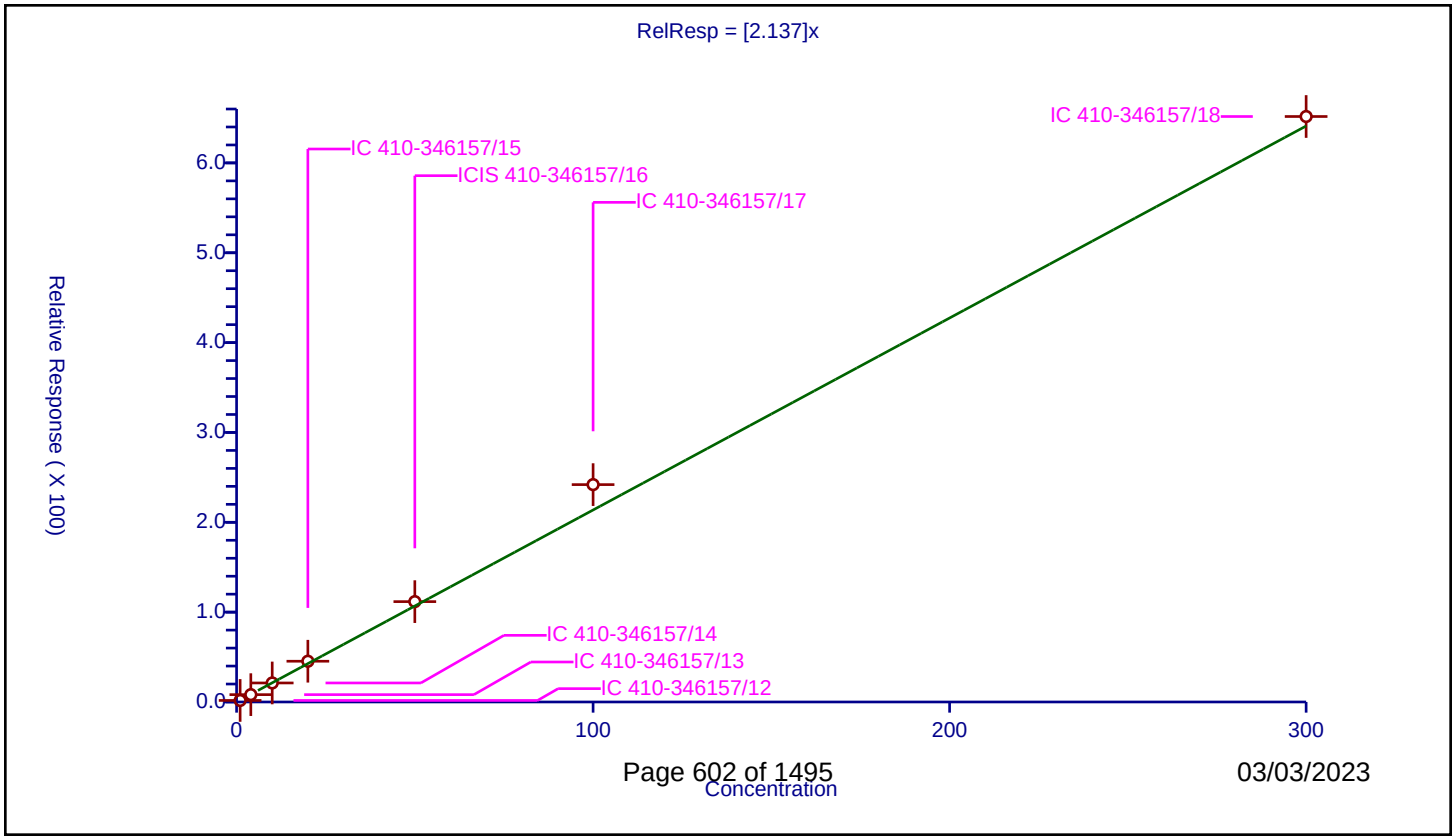
Curve Coefficients

Intercept:	0
Slope:	2.137

Error Coefficients

Standard Error:	3720000
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 410-346157/12	1.0	1.703794	50.0	570110.0	1.703794	Y
2	IC 410-346157/13	4.0	8.177047	50.0	592341.0	2.044262	Y
3	IC 410-346157/14	10.0	21.167912	50.0	572860.0	2.116791	Y
4	IC 410-346157/15	20.0	45.365353	50.0	602581.0	2.268268	Y
5	ICIS 410-346157/16	50.0	111.713851	50.0	607264.0	2.234277	Y
6	IC 410-346157/17	100.0	241.943017	50.0	590947.0	2.41943	Y
7	IC 410-346157/18	300.0	651.661548	50.0	653878.0	2.172205	Y



03/03/2023

Calibration / 1,2-Dichlorobenzene

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

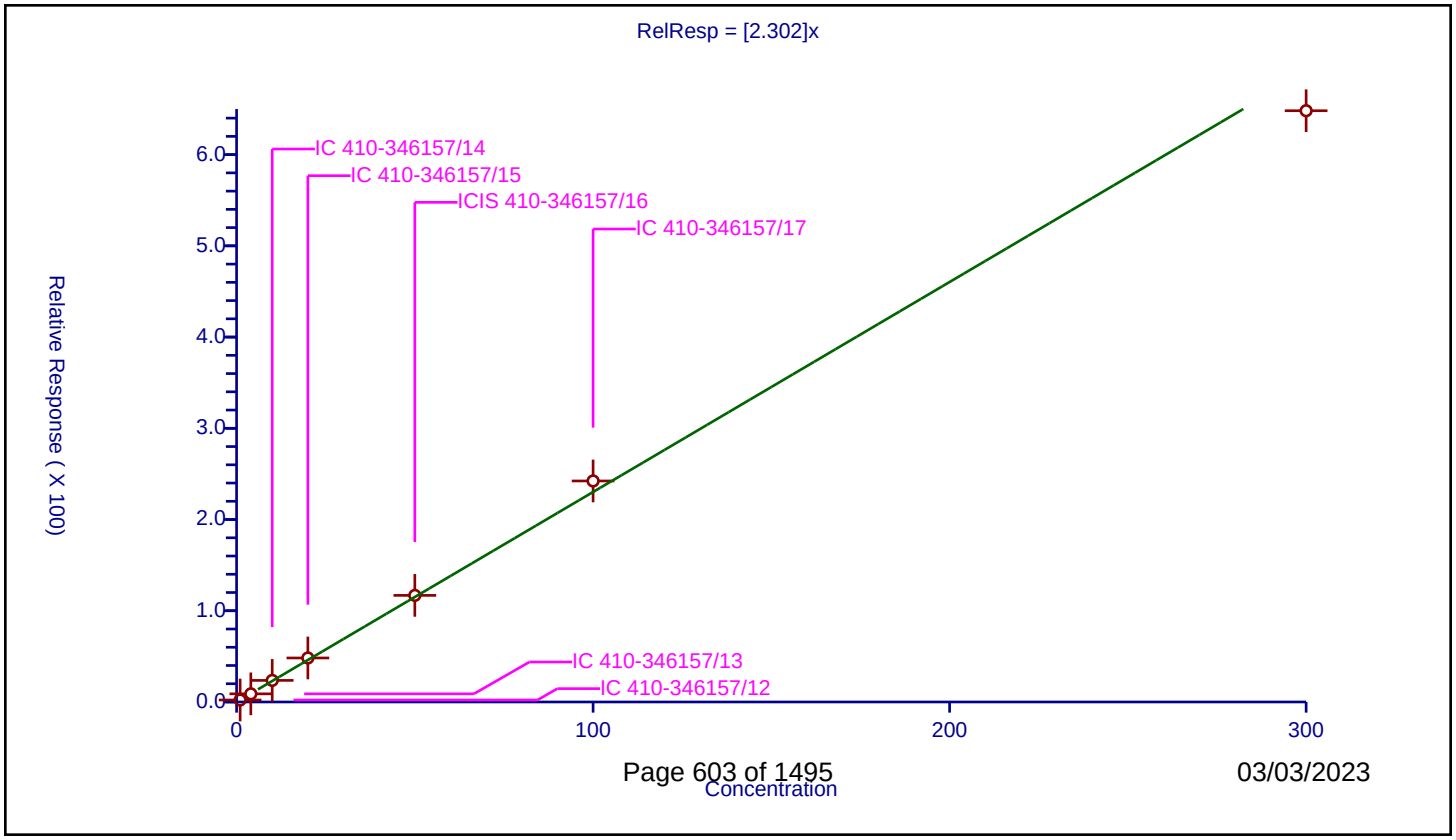
Curve Coefficients

Intercept:	0
Slope:	2.302

Error Coefficients

Standard Error:	3710000
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 410-346157/12	1.0	2.184315	50.0	570110.0	2.184315	Y
2	IC 410-346157/13	4.0	8.920453	50.0	592341.0	2.230113	Y
3	IC 410-346157/14	10.0	23.649496	50.0	572860.0	2.36495	Y
4	IC 410-346157/15	20.0	48.259238	50.0	602581.0	2.412962	Y
5	ICIS 410-346157/16	50.0	116.852061	50.0	607264.0	2.337041	Y
6	IC 410-346157/17	100.0	242.292118	50.0	590947.0	2.422921	Y
7	IC 410-346157/18	300.0	648.123044	50.0	653878.0	2.16041	Y



Calibration / o-diethylbenzene

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

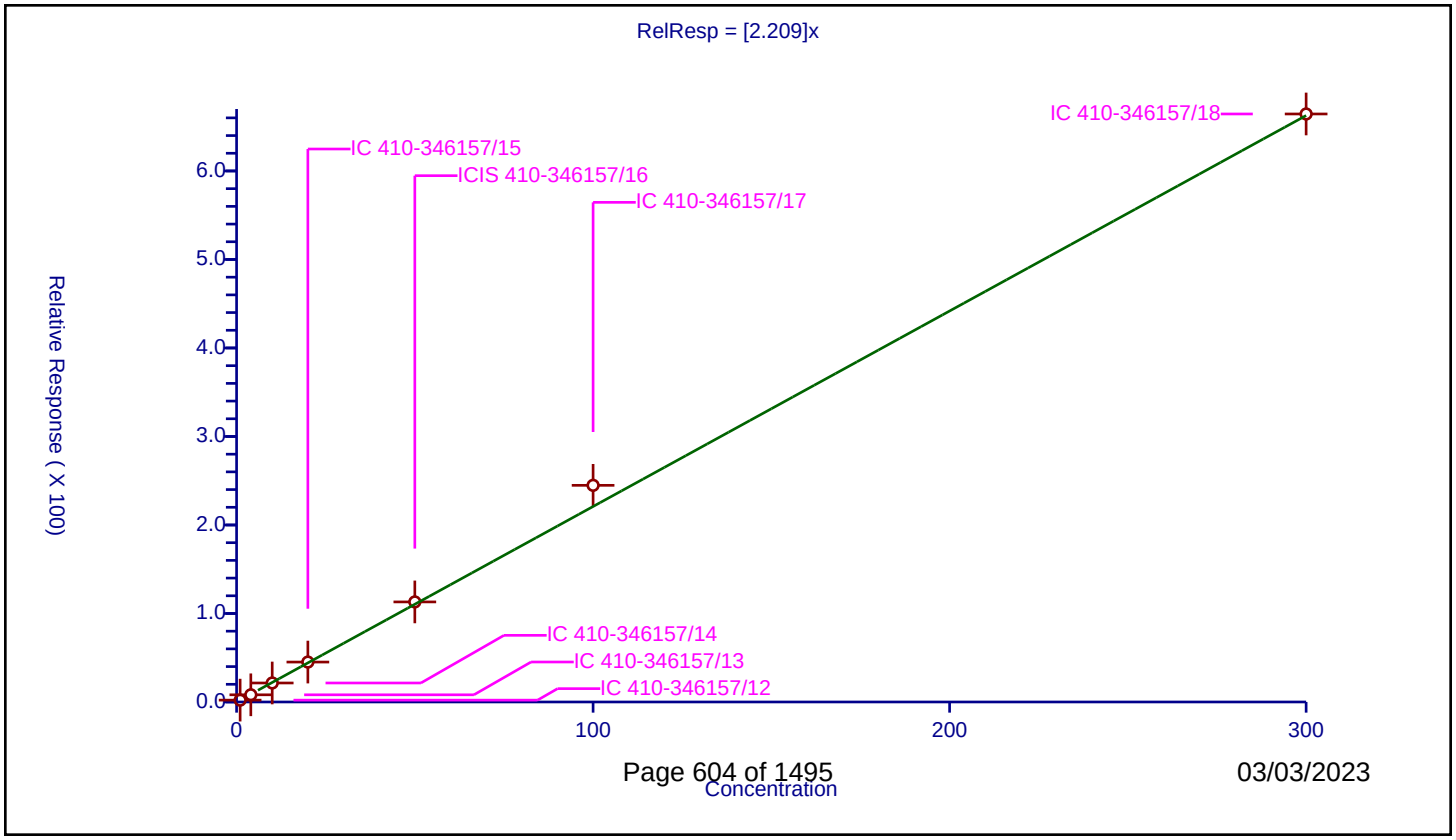
Curve Coefficients

Intercept:	0
Slope:	2.209

Error Coefficients

Standard Error:	3790000
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 410-346157/12	1.0	2.100647	50.0	570110.0	2.100647	Y
2	IC 410-346157/13	4.0	8.133322	50.0	592341.0	2.03333	Y
3	IC 410-346157/14	10.0	21.481252	50.0	572860.0	2.148125	Y
4	IC 410-346157/15	20.0	45.113188	50.0	602581.0	2.255659	Y
5	ICIS 410-346157/16	50.0	113.078579	50.0	607264.0	2.261572	Y
6	IC 410-346157/17	100.0	244.804187	50.0	590947.0	2.448042	Y
7	IC 410-346157/18	300.0	664.386323	50.0	653878.0	2.214621	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

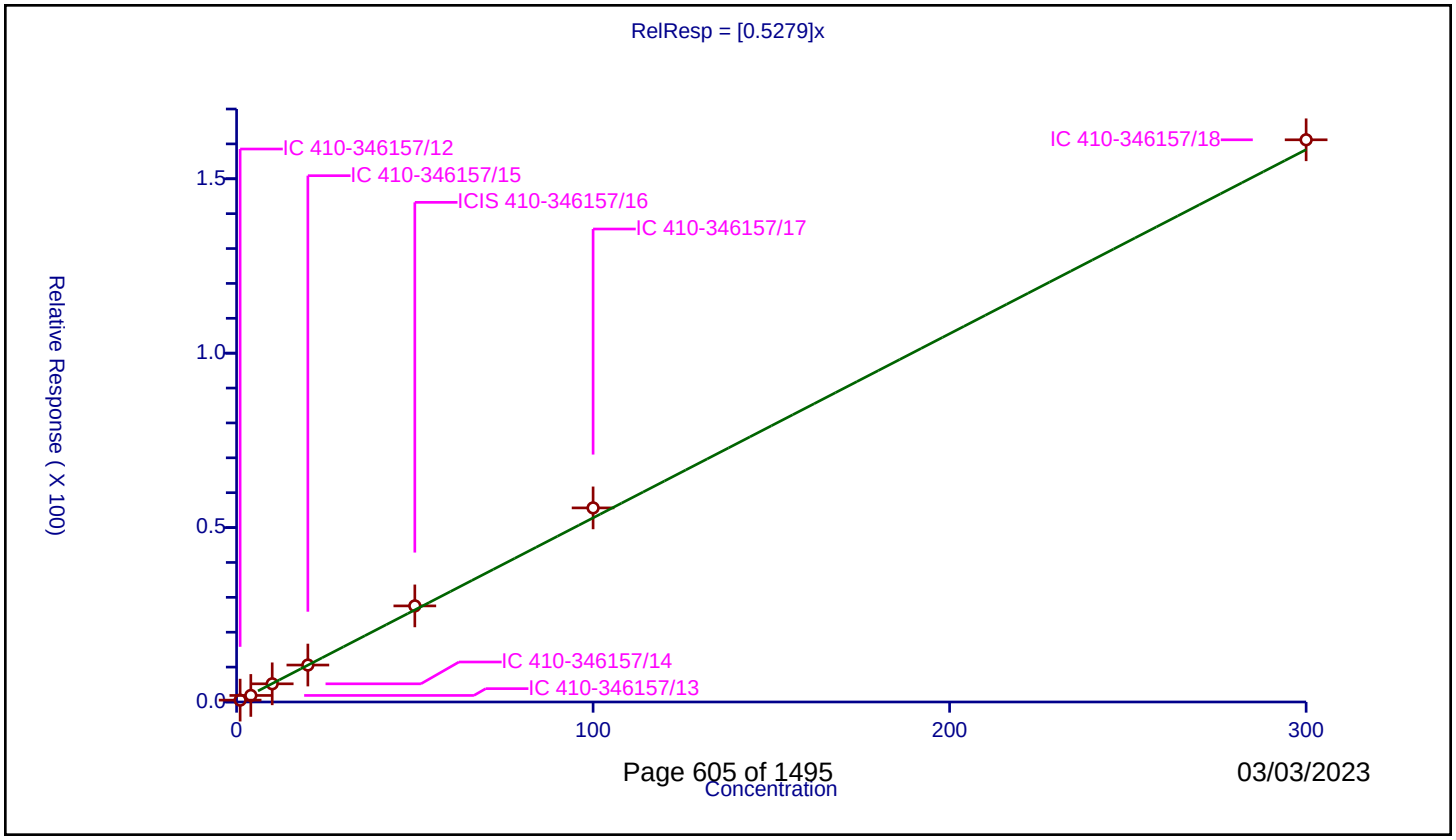
Curve Coefficients

Intercept:	0
Slope:	0.5279

Error Coefficients

Standard Error:	913000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	0.530687	50.0	570110.0	0.530687	Y
2	IC 410-346157/13	4.0	1.875018	50.0	592341.0	0.468754	Y
3	IC 410-346157/14	10.0	5.212967	50.0	572860.0	0.521297	Y
4	IC 410-346157/15	20.0	10.593928	50.0	602581.0	0.529696	Y
5	ICIS 410-346157/16	50.0	27.552597	50.0	607264.0	0.551052	Y
6	IC 410-346157/17	100.0	55.64213	50.0	590947.0	0.556421	Y
7	IC 410-346157/18	300.0	161.175479	50.0	653878.0	0.537252	Y



03/03/2023

Calibration / 1,3,5-Trichlorobenzene

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

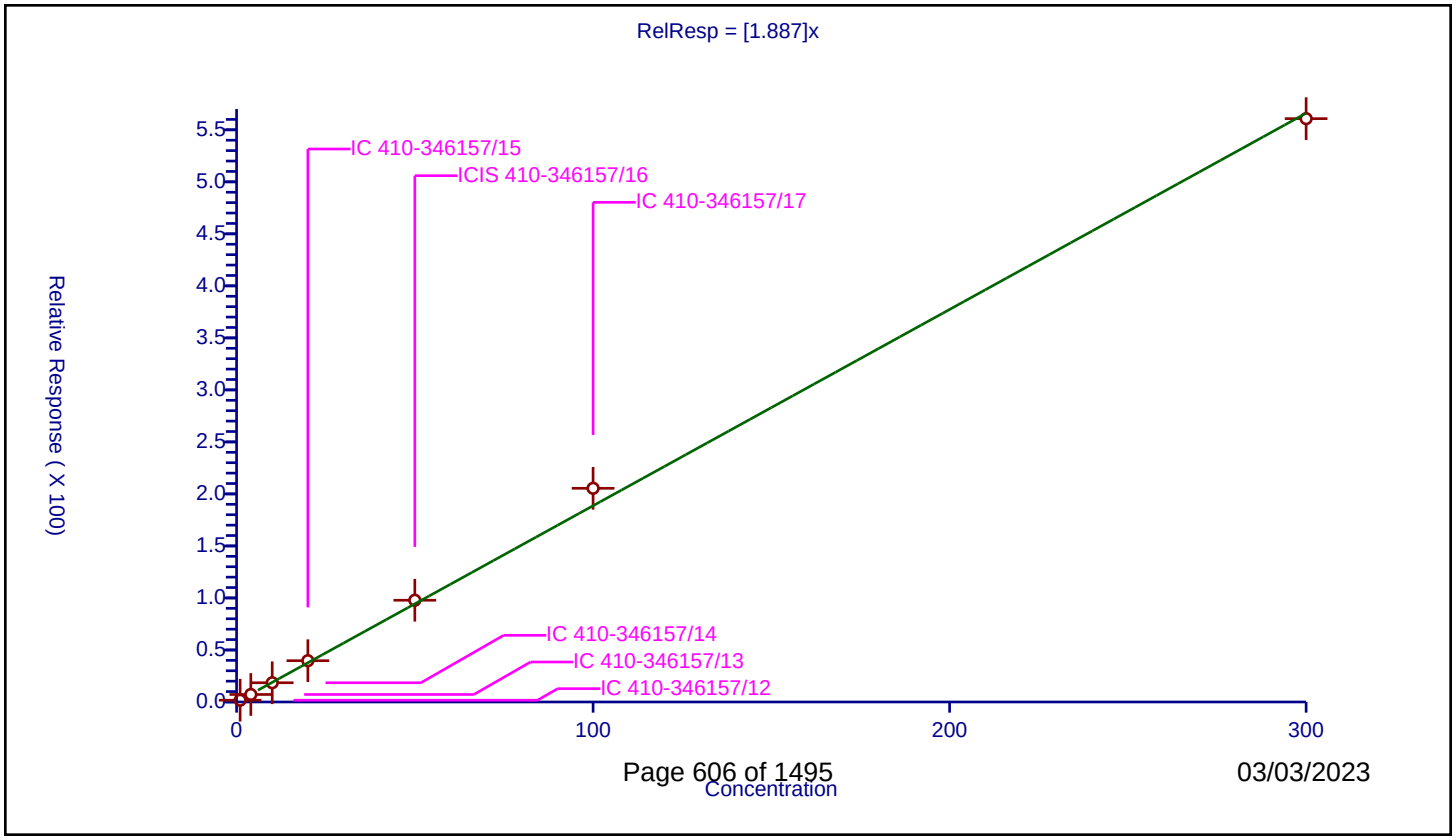
Curve Coefficients

Intercept:	0
Slope:	1.887

Error Coefficients

Standard Error:	3200000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	1.692831	50.0	570110.0	1.692831	Y
2	IC 410-346157/13	4.0	7.204887	50.0	592341.0	1.801222	Y
3	IC 410-346157/14	10.0	18.482963	50.0	572860.0	1.848296	Y
4	IC 410-346157/15	20.0	39.692921	50.0	602581.0	1.984646	Y
5	ICIS 410-346157/16	50.0	97.803591	50.0	607264.0	1.956072	Y
6	IC 410-346157/17	100.0	205.401584	50.0	590947.0	2.054016	Y
7	IC 410-346157/18	300.0	560.738395	50.0	653878.0	1.869128	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

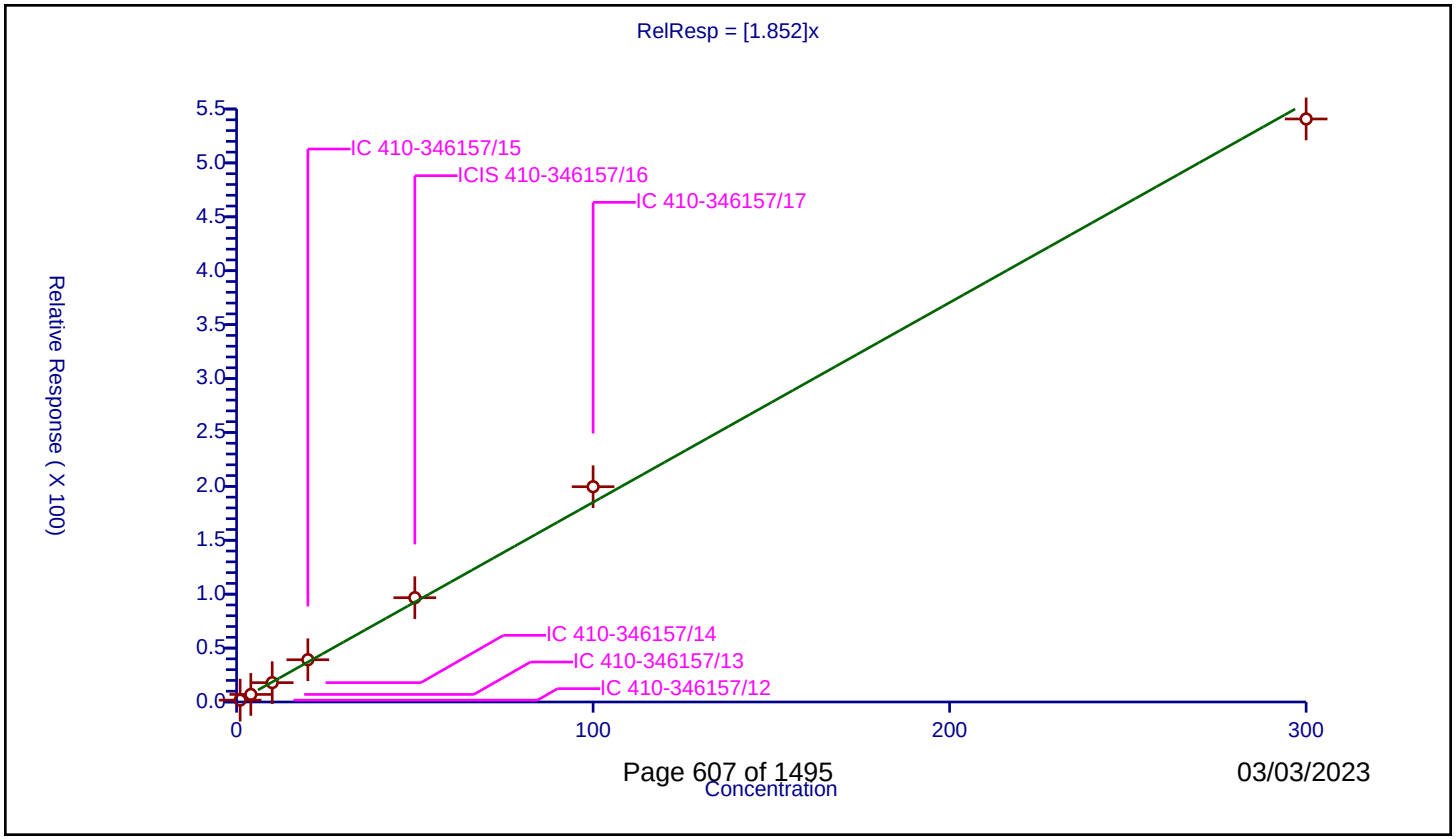
Curve Coefficients

Intercept:	0
Slope:	1.852

Error Coefficients

Standard Error:	3090000
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 410-346157/12	1.0	1.725456	50.0	570110.0	1.725456	Y
2	IC 410-346157/13	4.0	7.009814	50.0	592341.0	1.752453	Y
3	IC 410-346157/14	10.0	17.955696	50.0	572860.0	1.79557	Y
4	IC 410-346157/15	20.0	39.178882	50.0	602581.0	1.958944	Y
5	ICIS 410-346157/16	50.0	96.726053	50.0	607264.0	1.934521	Y
6	IC 410-346157/17	100.0	199.67569	50.0	590947.0	1.996757	Y
7	IC 410-346157/18	300.0	540.772973	50.0	653878.0	1.802577	Y



Calibration / Hexachlorobutadiene

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

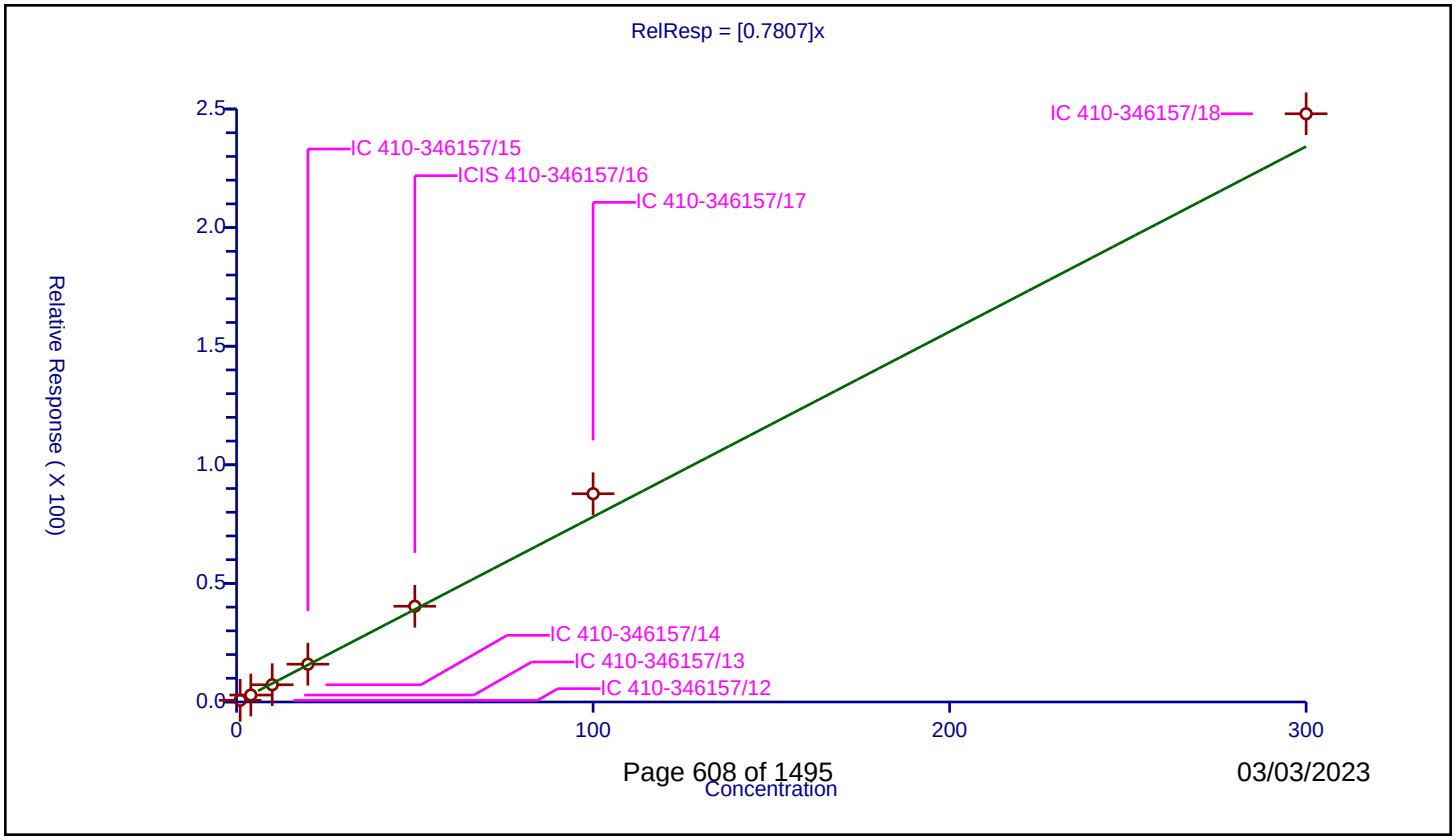
Curve Coefficients

Intercept:	0
Slope:	0.7807

Error Coefficients

Standard Error:	1410000
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 410-346157/12	1.0	0.697672	50.0	570110.0	0.697672	Y
2	IC 410-346157/13	4.0	2.92703	50.0	592341.0	0.731758	Y
3	IC 410-346157/14	10.0	7.267744	50.0	572860.0	0.726774	Y
4	IC 410-346157/15	20.0	15.9318	50.0	602581.0	0.79659	Y
5	ICIS 410-346157/16	50.0	40.363417	50.0	607264.0	0.807268	Y
6	IC 410-346157/17	100.0	87.795775	50.0	590947.0	0.877958	Y
7	IC 410-346157/18	300.0	247.998174	50.0	653878.0	0.826661	Y



Calibration / Naphthalene

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

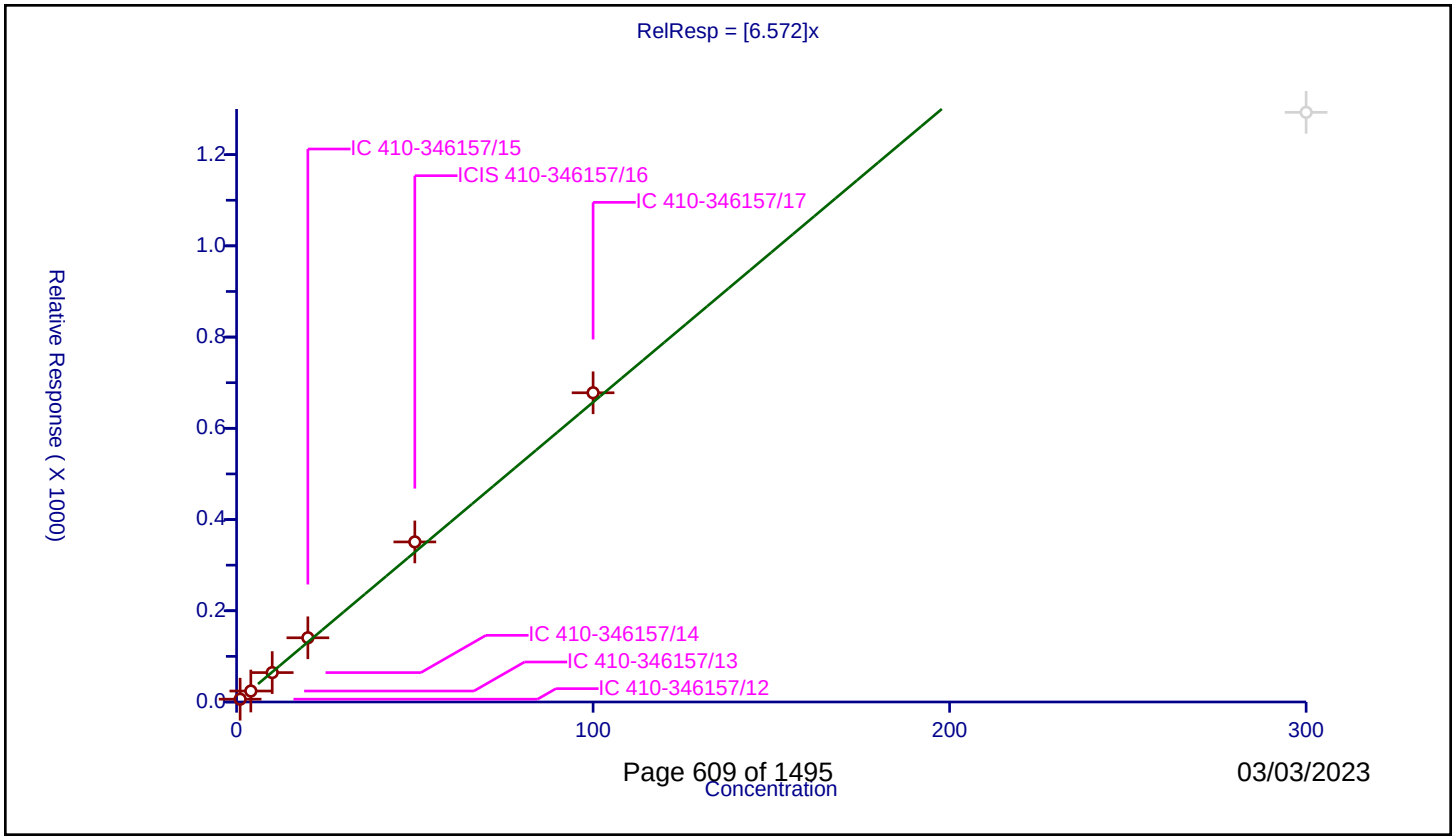
Curve Coefficients

Intercept:	0
Slope:	6.572

Error Coefficients

Standard Error:	4140000
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 410-346157/12	1.0	6.14206	50.0	570110.0	6.14206	Y
2	IC 410-346157/13	4.0	24.042401	50.0	592341.0	6.0106	Y
3	IC 410-346157/14	10.0	64.440526	50.0	572860.0	6.444053	Y
4	IC 410-346157/15	20.0	140.754355	50.0	602581.0	7.037718	Y
5	ICIS 410-346157/16	50.0	350.897386	50.0	607264.0	7.017948	Y
6	IC 410-346157/17	100.0	677.886342	50.0	590947.0	6.778863	Y
7	IC 410-346157/18	300.0	1292.707967	50.0	653878.0	4.309027	N



03/03/2023

Calibration / 1,2,3-Trichlorobenzene

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

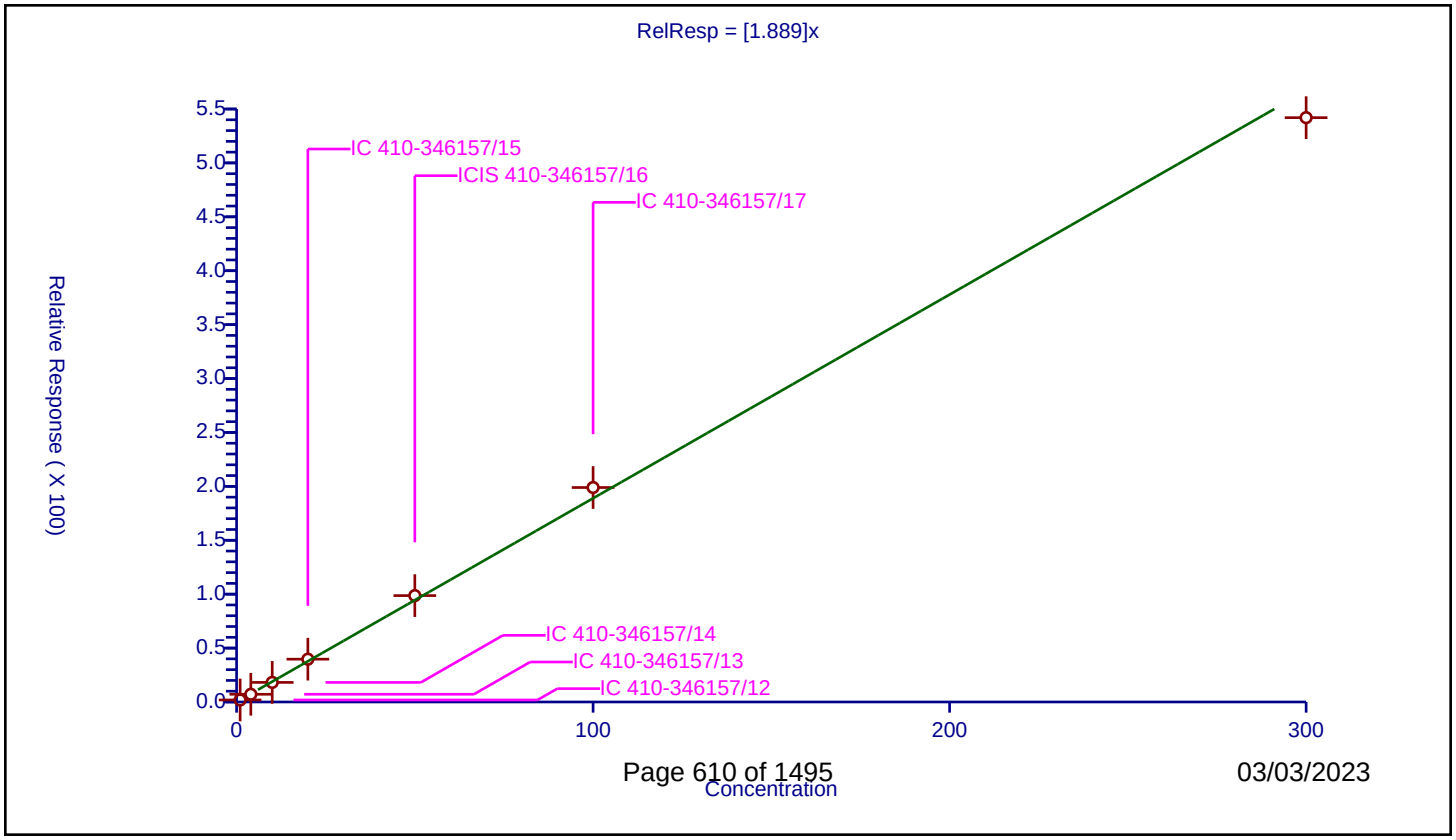
Curve Coefficients

Intercept:	0
Slope:	1.889

Error Coefficients

Standard Error:	3090000
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 410-346157/12	1.0	1.865517	50.0	570110.0	1.865517	Y
2	IC 410-346157/13	4.0	7.158714	50.0	592341.0	1.789679	Y
3	IC 410-346157/14	10.0	18.163164	50.0	572860.0	1.816316	Y
4	IC 410-346157/15	20.0	39.70404	50.0	602581.0	1.985202	Y
5	ICIS 410-346157/16	50.0	98.678993	50.0	607264.0	1.97358	Y
6	IC 410-346157/17	100.0	198.927484	50.0	590947.0	1.989275	Y
7	IC 410-346157/18	300.0	541.983443	50.0	653878.0	1.806611	Y



Calibration / 2-Methylnaphthalene

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

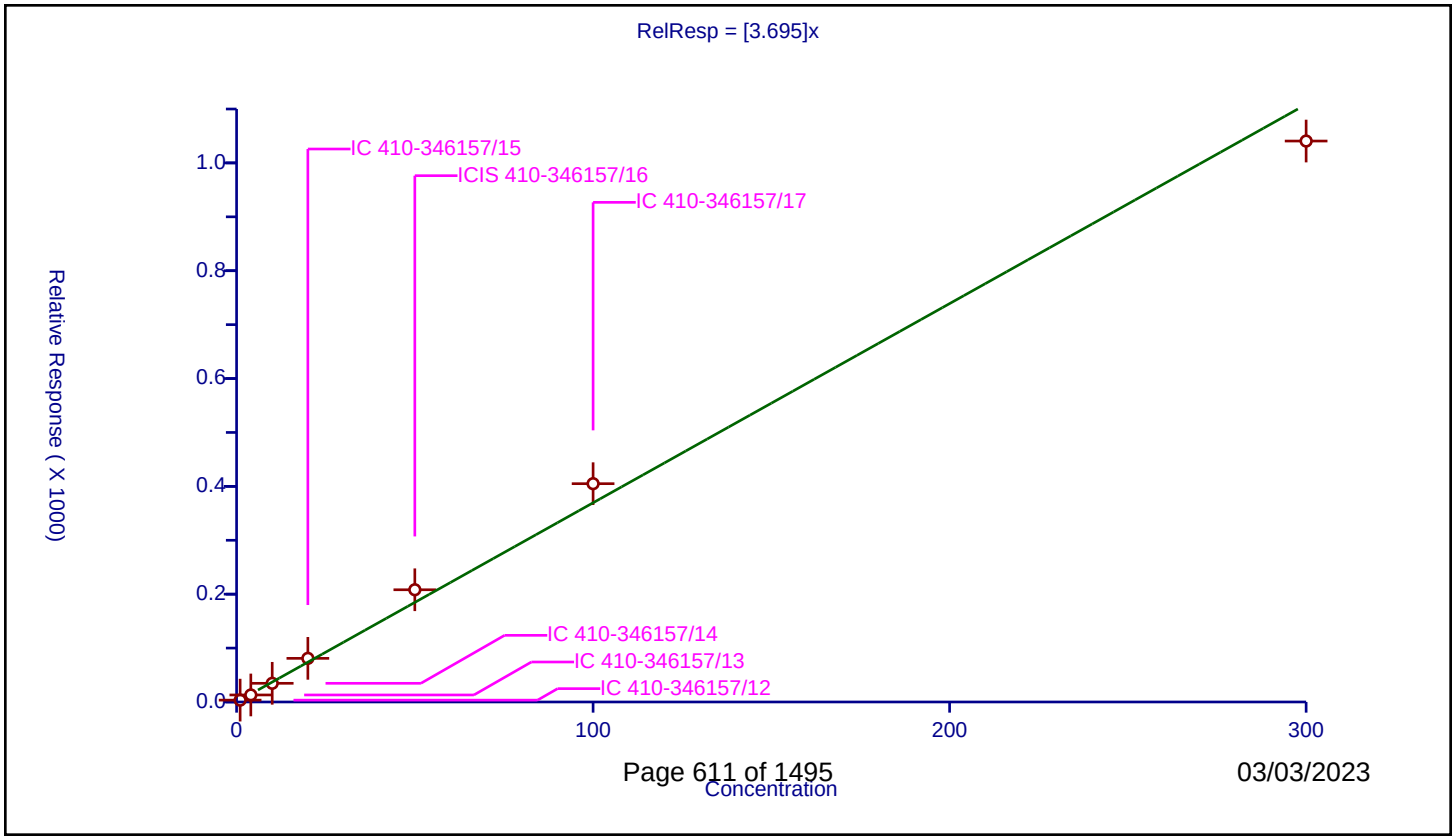
Curve Coefficients

Intercept:	0
Slope:	3.695

Error Coefficients

Standard Error:	5990000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346157/12	1.0	3.4182	50.0	570110.0	3.4182	Y
2	IC 410-346157/13	4.0	13.024677	50.0	592341.0	3.256169	Y
3	IC 410-346157/14	10.0	34.62888	50.0	572860.0	3.462888	Y
4	IC 410-346157/15	20.0	80.933601	50.0	602581.0	4.04668	Y
5	ICIS 410-346157/16	50.0	208.196847	50.0	607264.0	4.163937	Y
6	IC 410-346157/17	100.0	404.985726	50.0	590947.0	4.049857	Y
7	IC 410-346157/18	300.0	1040.596717	50.0	653878.0	3.468656	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-346157/20 Calibration Date: 02/20/2023 19:16

Instrument ID: 9355 Calib Start Date: 02/20/2023 16:20

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2023 18:32

Lab File ID: YF17V11.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	0.6669	0.5771	0.1000	17.3	20.0	-13.5	30.0
Chloromethane	Ave	0.7166	0.6011	0.1000	16.8	20.0	-16.1	30.0
Vinyl chloride	Ave	0.6771	0.5824	0.1000	17.2	20.0	-14.0	30.0
1,3-Butadiene	Ave	0.6067	0.5212		17.2	20.0	-14.1	30.0
Bromomethane	Ave	0.4407	0.3945	0.1000	17.9	20.0	-10.5	30.0
Chloroethane	Ave	0.3428	0.3019	0.1000	17.6	20.0	-11.9	30.0
Dichlorofluoromethane	Ave	0.8820	0.7910		17.9	20.0	-10.3	30.0
Trichlorofluoromethane	Ave	0.7881	0.6265	0.1000	15.9	20.0	-20.5	30.0
n-Pentane	Ave	0.6702	0.5781		17.3	20.0	-13.7	30.0
Ethyl ether	Ave	0.3130	0.3076		19.6	20.0	-1.7	30.0
Freon 123a	Ave	0.4694	0.4319		18.4	20.0	-8.0	30.0
Acrolein	Ave	1.643	1.609		147	150	-2.1	30.0
1,1-Dichloroethene	Ave	0.3292	0.3163	0.1000	19.2	20.0	-3.9	30.0
Acetone	Ave	0.8763	0.7802	0.1000	223	250	-11.0	30.0
Freon 113	Ave	0.4217	0.3810	0.1000	18.1	20.0	-9.6	30.0
2-Propanol	Ave	0.8144	0.5906		109	150	-27.5	30.0
Methyl iodide	Ave	0.6745	0.6081		18.0	20.0	-9.8	30.0
Carbon disulfide	Ave	1.234	1.111	0.1000	18.0	20.0	-9.9	30.0
Methyl acetate	Ave	0.6215	0.5547	0.1000	17.9	20.0	-10.7	30.0
Allyl chloride	Ave	0.5722	0.5041		17.6	20.0	-11.9	30.0
Methylene Chloride	Ave	0.3942	0.3694	0.1000	18.7	20.0	-6.3	30.0
t-Butyl alcohol	Ave	1.499	1.120		149	200	-25.3	30.0
Acrylonitrile	Ave	0.2988	0.2756		92.2	100	-7.8	30.0
Methyl tertiary butyl ether	Ave	1.308	1.203	0.1000	18.4	20.0	-8.1	30.0
trans-1,2-Dichloroethene	Ave	0.3521	0.3279	0.1000	18.6	20.0	-6.9	30.0
n-Hexane	Ave	0.5226	0.4936		18.9	20.0	-5.5	30.0
1,1-Dichloroethane	Ave	0.6422	0.5767	0.2000	18.0	20.0	-10.2	30.0
di-Isopropyl ether	Ave	1.214	1.109		18.3	20.0	-8.6	30.0
2-Chloro-1,3-butadiene	Ave	0.5542	0.5195		18.7	20.0	-6.3	30.0
Ethyl t-butyl ether	Ave	1.231	1.168		19.0	20.0	-5.1	30.0
2-Butanone	Ave	0.4523	0.4000	0.1000	221	250	-11.6	30.0
cis-1,2-Dichloroethene	Ave	0.3921	0.3817	0.1000	19.5	20.0	-2.6	30.0
2,2-Dichloropropane	Ave	0.6155	0.5994		19.5	20.0	-2.6	30.0
Propionitrile	Ave	1.356	1.360		150	150	0.2	30.0
Methacrylonitrile	Ave	0.2767	0.2637		143	150	-4.7	30.0
Bromochloromethane	Ave	0.2079	0.2009		19.3	20.0	-3.4	30.0
Tetrahydrofuran	Ave	1.246	1.165		93.5	100	-6.5	30.0
Chloroform	Ave	0.6497	0.5896	0.2000	18.2	20.0	-9.2	30.0
1,1,1-Trichloroethane	Ave	0.6174	0.5835	0.1000	18.9	20.0	-5.5	30.0
Cyclohexane	Ave	0.7351	0.6787	0.1000	18.5	20.0	-7.7	30.0
1,1-Dichloropropene	Ave	0.4753	0.4710		19.8	20.0	-0.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-346157/20 Calibration Date: 02/20/2023 19:16

Instrument ID: 9355 Calib Start Date: 02/20/2023 16:20

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2023 18:32

Lab File ID: YF17V11.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	0.5143	0.4688	0.1000	18.2	20.0	-8.8	30.0
Isobutyl alcohol	Ave	0.4822	0.4088		424	500	-15.2	30.0
Benzene	Ave	1.487	1.405	0.5000	18.9	20.0	-5.5	30.0
1,2-Dichloroethane	Ave	0.5404	0.4962	0.1000	18.4	20.0	-8.2	30.0
t-Amyl methyl ether	Ave	1.196	1.146		19.2	20.0	-4.2	30.0
n-Heptane	Ave	0.6007	0.5285		17.6	20.0	-12.0	30.0
n-Butanol	Ave	0.3919	0.3301		842	1000	-15.8	30.0
Trichloroethene	Ave	0.3830	0.3548	0.2000	18.5	20.0	-7.4	30.0
Methylcyclohexane	Ave	0.7319	0.6758	0.1000	18.5	20.0	-7.7	30.0
1,2-Dichloropropane	Ave	0.4067	0.3765	0.1000	18.5	20.0	-7.4	30.0
t-Amyl ethyl ether	Ave	0.5502	0.5196		18.9	20.0	-5.6	30.0
Methyl methacrylate	Ave	0.4005	0.3869		19.3	20.0	-3.4	30.0
1,4-Dioxane	Ave	0.1077	0.0830	0.0050	385	500	-23.0	30.0
Dibromomethane	Ave	0.2681	0.2548		19.0	20.0	-5.0	30.0
Bromodichloromethane	Ave	0.4906	0.4453	0.2000	18.2	20.0	-9.2	30.0
2-Nitropropane	Ave	2.067	1.871		18.1	20.0	-9.5	30.0
2-Chloroethyl vinyl ether	Ave	0.3000	0.2709		18.1	20.0	-9.7	30.0
cis-1,3-Dichloropropene	Ave	0.6034	0.5496	0.2000	18.2	20.0	-8.9	30.0
4-Methyl-2-pentanone	Ave	0.8172	0.7814	0.1000	239	250	-4.4	30.0
Toluene	Ave	1.215	1.151	0.4000	18.9	20.0	-5.3	30.0
trans-1,3-Dichloropropene	Ave	0.7357	0.6865	0.1000	18.7	20.0	-6.7	30.0
Ethyl methacrylate	Ave	0.8472	0.7968		18.8	20.0	-5.9	30.0
1,1,2-Trichloroethane	Ave	0.4932	0.4523	0.1000	18.3	20.0	-8.3	30.0
Tetrachloroethene	Ave	0.5432	0.5026	0.2000	18.5	20.0	-7.5	30.0
1,3-Dichloropropane	Ave	0.7747	0.7395		19.1	20.0	-4.5	30.0
2-Hexanone	Ave	0.7597	0.7300	0.1000	240	250	-3.9	30.0
Dibromochloromethane	Ave	0.5151	0.4638		18.0	20.0	-10.0	30.0
1,2-Dibromoethane	Ave	0.5200	0.5014	0.1000	19.3	20.0	-3.6	30.0
1-Chlorohexane	Ave	0.6995	0.6197		17.7	20.0	-11.4	30.0
Chlorobenzene	Ave	1.399	1.282	0.5000	18.3	20.0	-8.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.5421	0.5088		18.8	20.0	-6.1	30.0
Ethylbenzene	Ave	2.444	2.333	0.1000	19.1	20.0	-4.5	30.0
m&p-Xylene	Ave	0.9454	0.9012	0.1000	38.1	40.0	-4.7	30.0
o-Xylene	Ave	0.9925	0.9442	0.3000	19.0	20.0	-4.9	30.0
Styrene	Ave	1.574	1.509	0.3000	19.2	20.0	-4.1	30.0
Bromoform	Ave	0.4357	0.3870	0.1000	17.8	20.0	-11.2	30.0
Isopropylbenzene	Ave	2.596	2.556	0.1000	19.7	20.0	-1.6	30.0
Cyclohexanone	Ave	0.4218	0.3424		406	500	-18.8	30.0
1,1,2,2-Tetrachloroethane	Ave	1.634	1.555	0.3000	19.0	20.0	-4.8	30.0
Bromobenzene	Ave	1.041	1.003		19.3	20.0	-3.7	30.0
trans-1,4-Dichloro-2-butene	Ave	0.4719	0.4658		98.7	100	-1.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-346157/20 Calibration Date: 02/20/2023 19:16

Instrument ID: 9355 Calib Start Date: 02/20/2023 16:20

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2023 18:32

Lab File ID: YF17V11.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	0.4856	0.4653		19.2	20.0	-4.2	30.0
N-Propylbenzene	Ave	4.778	4.769		20.0	20.0	-0.2	30.0
2-Chlorotoluene	Ave	1.038	0.9844		19.0	20.0	-5.2	30.0
1,3,5-Trimethylbenzene	Ave	3.688	3.587		19.5	20.0	-2.7	30.0
4-Chlorotoluene	Ave	1.007	0.9421		18.7	20.0	-6.5	30.0
tert-Butylbenzene	Ave	0.7122	0.6761		19.0	20.0	-5.1	30.0
1,2,4-Trimethylbenzene	Ave	3.824	3.688		19.3	20.0	-3.6	30.0
sec-Butylbenzene	Ave	4.593	4.578		19.9	20.0	-0.3	30.0
1,3-Dichlorobenzene	Ave	2.109	1.962	0.6000	18.6	20.0	-7.0	30.0
p-Isopropyltoluene	Ave	4.074	4.050		19.9	20.0	-0.6	30.0
1,4-Dichlorobenzene	Ave	2.090	2.067	0.5000	19.8	20.0	-1.1	30.0
1,2,3-Trimethylbenzene	Ave	4.135	3.911		18.9	20.0	-5.4	30.0
Benzyl chloride	Ave	3.063	2.919		19.1	20.0	-4.7	30.0
1,3-Diethylbenzene	Ave	2.573	2.414		18.8	20.0	-6.2	30.0
1,4-Diethylbenzene	Ave	2.678	2.558		19.1	20.0	-4.5	30.0
n-Butylbenzene	Ave	2.137	2.040		19.1	20.0	-4.6	30.0
1,2-Dichlorobenzene	Ave	2.302	2.124	0.4000	18.5	20.0	-7.7	30.0
1,2-Diethylbenzene	Ave	2.209	2.019		18.3	20.0	-8.6	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.5279	0.4528	0.0500	17.2	20.0	-14.2	30.0
1,3,5-Trichlorobenzene	Ave	1.887	1.749		18.5	20.0	-7.3	30.0
1,2,4-Trichlorobenzene	Ave	1.852	1.764	0.2000	19.0	20.0	-4.8	30.0
Hexachlorobutadiene	Ave	0.7807	0.7412		19.0	20.0	-5.1	30.0
Naphthalene	Ave	6.572	6.222		18.9	20.0	-5.3	30.0
1,2,3-Trichlorobenzene	Ave	1.889	1.800		19.1	20.0	-4.7	30.0
2-Methylnaphthalene	Ave	3.695	3.588		19.4	20.0	-2.9	30.0
Dibromofluoromethane (Surr)	Ave	0.2490	0.2500		50.2	50.0	0.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0613	0.0608		49.5	50.0	-0.9	30.0
Toluene-d8 (Surr)	Ave	1.277	1.286		50.4	50.0	0.7	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5113	0.5086		49.7	50.0	-0.5	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17V11.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 20-Feb-2023 19:16:30 ALS Bottle#: 10 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0077389-020
Misc. Info.: ICV LG
Operator ID: kas02648 Instrument ID: 9355
Sublist:

Method: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 20-Feb-2023 20:41:02 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1671

First Level Reviewer: K4WN Date: 20-Feb-2023 20:35:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.952	1.966	-0.014	99	294229	20.0	17.3	
4 Chloromethane	50	2.152	2.166	-0.014	99	306454	20.0	16.8	
5 Vinyl chloride	62	2.259	2.274	-0.015	97	296940	20.0	17.2	
6 Butadiene	39	2.274	2.288	-0.014	92	265762	20.0	17.2	
8 Bromomethane	94	2.596	2.610	-0.014	90	201143	20.0	17.9	
9 Chloroethane	64	2.667	2.674	-0.007	100	153926	20.0	17.6	
10 Dichlorofluoromethane	67	2.910	2.924	-0.014	97	403272	20.0	17.9	
11 Trichlorofluoromethane	101	2.989	2.996	-0.007	97	319418	20.0	15.9	M
12 Pentane	43	2.996	3.010	-0.014	97	294770	20.0	17.3	
14 Ethyl ether	59	3.203	3.218	-0.015	92	156445	20.0	19.6	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.289	3.289	0.000	92	220223	20.0	18.4	
16 Acrolein	56	3.368	3.382	-0.014	100	609143	150.0	146.8	
17 1,1-Dichloroethene	96	3.511	3.525	-0.014	96	161284	20.0	19.2	
18 Acetone	58	3.532	3.546	-0.014	100	492453	250.0	222.6	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.561	3.575	-0.014	92	194247	20.0	18.1	
20 Isopropyl alcohol	45	3.697	3.697	0.000	39	223669	150.0	108.8	M
21 Iodomethane	142	3.718	3.725	-0.007	97	310055	20.0	18.0	
22 Carbon disulfide	76	3.833	3.840	-0.007	99	566439	20.0	18.0	
24 Methyl acetate	43	3.961	3.961	0.000	97	282827	20.0	17.9	
25 3-Chloro-1-propene	41	3.983	3.997	-0.014	89	257006	20.0	17.6	
26 Methylene Chloride	84	4.169	4.183	-0.014	93	188366	20.0	18.7	
* 27 t-Butyl alcohol-d10 (IS)	65	4.183	4.269	-0.086	75	631192	250.0	250.0	
28 2-Methyl-2-propanol	59	4.354	4.397	-0.043	99	565419	200.0	149.4	M
29 Acrylonitrile	53	4.476	4.497	-0.021	99	702578	100.0	92.2	
30 Methyl tert-butyl ether	73	4.576	4.590	-0.014	96	613229	20.0	18.4	
32 trans-1,2-Dichloroethene	96	4.590	4.605	-0.015	99	167201	20.0	18.6	
33 Hexane	57	5.019	5.034	-0.015	94	251685	20.0	18.9	
34 1,1-Dichloroethane	63	5.241	5.255	-0.014	96	294025	20.0	18.0	
36 Isopropyl ether	45	5.305	5.320	-0.015	93	565466	20.0	18.3	
37 2-Chloro-1,3-butadiene	53	5.356	5.370	-0.014	92	264868	20.0	18.7	

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	5.849	5.856	-0.007	98	595721	20.0	19.0	
40 2-Butanone (MEK)	43	6.042	6.056	-0.014	100	2549516	250.0	221.1	
41 cis-1,2-Dichloroethene	96	6.085	6.085	0.000	83	194606	20.0	19.5	
42 2,2-Dichloropropane	77	6.099	6.113	-0.014	89	305629	20.0	19.5	
43 Propionitrile	54	6.128	6.135	-0.007	98	514892	150.0	150.4	
47 Methacrylonitrile	67	6.342	6.349	-0.007	92	1008244	150.0	142.9	
48 Chlorobromomethane	128	6.421	6.428	-0.007	91	102419	20.0	19.3	
49 Tetrahydrofuran	71	6.457	6.457	0.000	92	294120	100.0	93.5	
50 Chloroform	83	6.564	6.571	-0.007	93	300601	20.0	18.2	
$ 51 Dibromofluoromethane (Surr)	113	6.786	6.800	-0.014	94	318671	50.0	50.2	
52 1,1,1-Trichloroethane	97	6.807	6.821	-0.014	98	297486	20.0	18.9	
53 Cyclohexane	56	6.929	6.929	0.000	91	346041	20.0	18.5	
54 1,1-Dichloropropene	75	7.022	7.029	-0.007	97	240118	20.0	19.8	
55 Carbon tetrachloride	117	7.029	7.036	-0.007	97	239043	20.0	18.2	
56 Isobutyl alcohol	41	7.150	7.172	-0.022	94	516067	500.0	423.9	M
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.250	7.250	0.000	82	77462	50.0	49.5	
58 Benzene	78	7.286	7.293	-0.007	97	716235	20.0	18.9	
59 1,2-Dichloroethane	62	7.350	7.365	-0.015	97	253003	20.0	18.4	
61 Tert-amyl methyl ether	73	7.479	7.486	-0.007	98	584167	20.0	19.2	
* 62 Fluorobenzene (IS)	96	7.694	7.701	-0.007	98	1274639	50.0	50.0	
63 n-Heptane	43	7.708	7.715	-0.007	94	269484	20.0	17.6	
65 n-Butanol	56	8.030	8.044	-0.014	90	833437	1000.0	842.4	
66 Trichloroethene	95	8.180	8.187	-0.007	98	180904	20.0	18.5	
67 Methylcyclohexane	83	8.502	8.509	-0.007	94	344565	20.0	18.5	
68 1,2-Dichloropropane	63	8.509	8.516	-0.007	70	191966	20.0	18.5	
69 2-ethoxy-2-methyl butane	87	8.516	8.523	-0.007	95	264911	20.0	18.9	
70 Methyl methacrylate	69	8.587	8.595	-0.008	90	197278	20.0	19.3	
71 1,4-Dioxane	88	8.595	8.602	-0.007	75	104734	500.0	385.1	M
72 Dibromomethane	93	8.623	8.630	-0.007	95	129908	20.0	19.0	
74 Dichlorobromomethane	83	8.852	8.859	-0.007	99	227020	20.0	18.2	
75 2-Nitropropane	41	9.102	9.109	-0.007	99	94465	20.0	18.1	
76 2-Chloroethyl vinyl ether	63	9.217	9.217	0.000	93	138108	20.0	18.1	
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	95	280231	20.0	18.2	
78 4-Methyl-2-pentanone (MIBK)	43	9.567	9.574	-0.007	97	4979785	250.0	239.0	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1260069	50.0	50.4	
80 Toluene	92	9.796	9.803	-0.007	97	450971	20.0	18.9	
117 trans-1,3-Dichloropropene	75	10.053	10.053	0.000	93	269072	20.0	18.7	
119 Ethyl methacrylate	69	10.110	10.118	-0.008	90	312321	20.0	18.8	
120 1,1,2-Trichloroethane	97	10.261	10.261	0.000	91	177284	20.0	18.3	
121 Tetrachloroethene	166	10.361	10.361	0.000	98	197017	20.0	18.5	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	92	289851	20.0	19.1	
124 2-Hexanone	43	10.461	10.468	-0.007	97	3576654	250.0	240.2	
126 Chlorodibromomethane	129	10.647	10.647	0.000	90	181778	20.0	18.0	
127 Ethylene Dibromide	107	10.761	10.761	0.000	99	196538	20.0	19.3	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	979914	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	98	242891	20.0	17.7	
130 Chlorobenzene	112	11.219	11.219	0.000	94	502497	20.0	18.3	
132 1,1,1,2-Tetrachloroethane	131	11.297	11.297	0.000	94	199428	20.0	18.8	
133 Ethylbenzene	91	11.305	11.304	0.001	98	914365	20.0	19.1	
134 m-Xylene & p-Xylene	106	11.419	11.419	0.000	1	706515	40.0	38.1	
135 o-Xylene	106	11.748	11.748	0.000	97	370088	20.0	19.0	
136 Styrene	104	11.762	11.762	0.000	94	591337	20.0	19.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 Bromoform	173	11.927	11.927	0.000	97	151676	20.0	17.8	
138 Isopropylbenzene	105	12.048	12.048	0.000	96	1001675	20.0	19.7	
140 Cyclohexanone	55	12.120	12.127	-0.007	93	432254	500.0	405.9	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	91	498371	50.0	49.7	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	93	378464	20.0	19.0	
143 Bromobenzene	156	12.313	12.313	0.000	75	244014	20.0	19.3	
144 trans-1,4-Dichloro-2-butene	53	12.313	12.313	0.000	90	566782	100.0	98.7	
145 1,2,3-Trichloropropane	110	12.334	12.334	0.000	82	113235	20.0	19.2	
146 N-Propylbenzene	91	12.377	12.384	-0.007	99	1160429	20.0	20.0	
147 2-Chlorotoluene	126	12.456	12.456	0.000	97	239555	20.0	19.0	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	94	872995	20.0	19.5	
149 4-Chlorotoluene	126	12.549	12.549	0.000	98	229266	20.0	18.7	
151 tert-Butylbenzene	134	12.763	12.763	0.000	93	164520	20.0	19.0	
153 1,2,4-Trimethylbenzene	105	12.806	12.806	0.000	98	897538	20.0	19.3	
154 sec-Butylbenzene	105	12.928	12.928	0.000	94	1113938	20.0	19.9	
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	98	477348	20.0	18.6	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	97	985498	20.0	19.9	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	608364	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.099	13.099	0.000	95	503112	20.0	19.8	
159 1,2,3-Trimethylbenzene	105	13.106	13.106	0.000	99	951803	20.0	18.9	
160 Benzyl chloride	91	13.171	13.171	0.000	99	710429	20.0	19.1	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	95	587529	20.0	18.8	
162 p-Diethylbenzene	119	13.307	13.307	0.000	96	622569	20.0	19.1	
163 n-Butylbenzene	92	13.328	13.328	0.000	97	496344	20.0	19.1	
164 1,2-Dichlorobenzene	146	13.357	13.357	0.000	98	516874	20.0	18.5	
165 o-diethylbenzene	119	13.378	13.378	0.000	96	491202	20.0	18.3	
167 1,2-Dibromo-3-Chloropropane	75	13.907	13.900	0.007	87	110196	20.0	17.2	
168 1,3,5-Trichlorobenzene	180	14.036	14.036	0.000	98	425674	20.0	18.5	
169 1,2,4-Trichlorobenzene	180	14.458	14.458	0.000	94	429167	20.0	19.0	
170 Hexachlorobutadiene	225	14.544	14.544	0.000	97	180365	20.0	19.0	
171 Naphthalene	128	14.644	14.636	0.008	97	1514036	20.0	18.9	
172 1,2,3-Trichlorobenzene	180	14.787	14.779	0.008	96	438133	20.0	19.1	
173 2-Methylnaphthalene	142	15.423	15.416	0.007	92	873220	20.0	19.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00096	Amount Added: 50.00	Units: uL	
MSV_LCS_CYC_00003	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00129	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00098	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00101	Amount Added: 50.00	Units: uL	
MSV_LCS_EE_00004	Amount Added: 50.00	Units: uL	
MSV_HP20_ISSS_00096	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 20-Feb-2023 20:41:04 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17V11.D

Injection Date: 20-Feb-2023 19:16:30 Instrument ID: 9355 Operator ID: kas02648

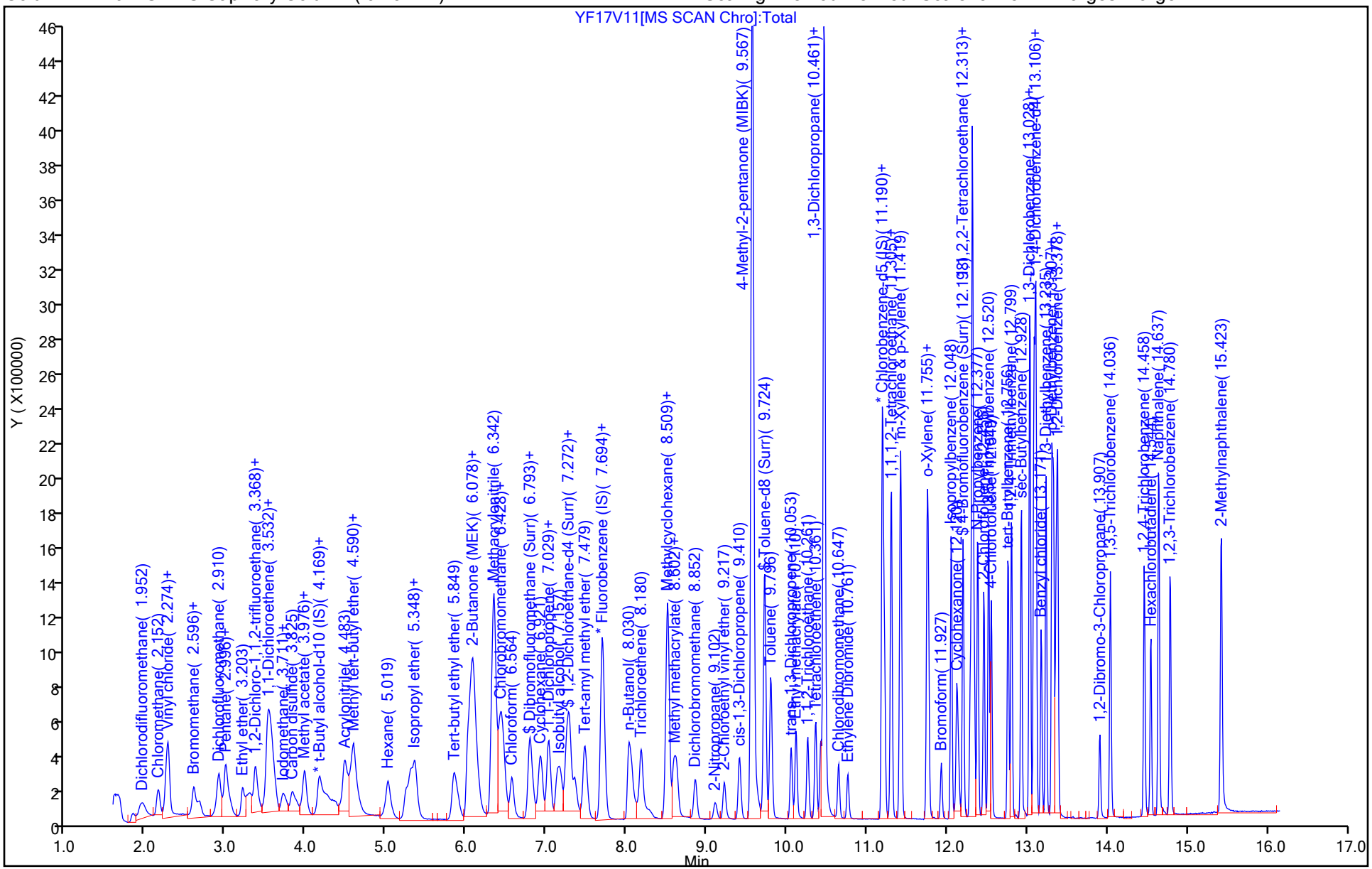
Lims ID: ICV Worklist Smp#: 20

Client ID:

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

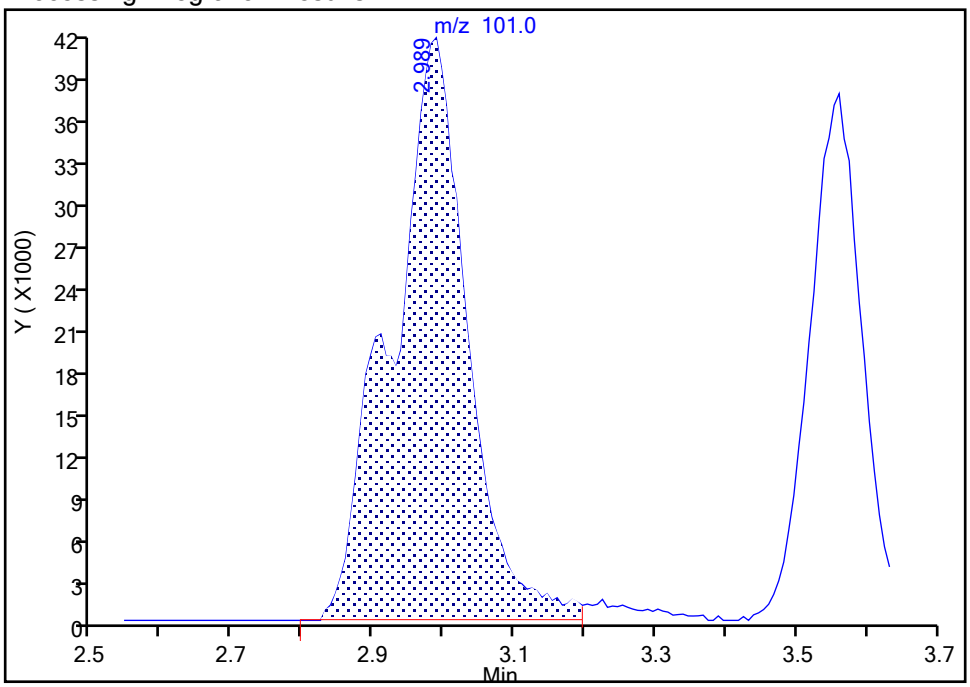
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17V11.D
Injection Date: 20-Feb-2023 19:16:30 Instrument ID: 9355
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 10 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

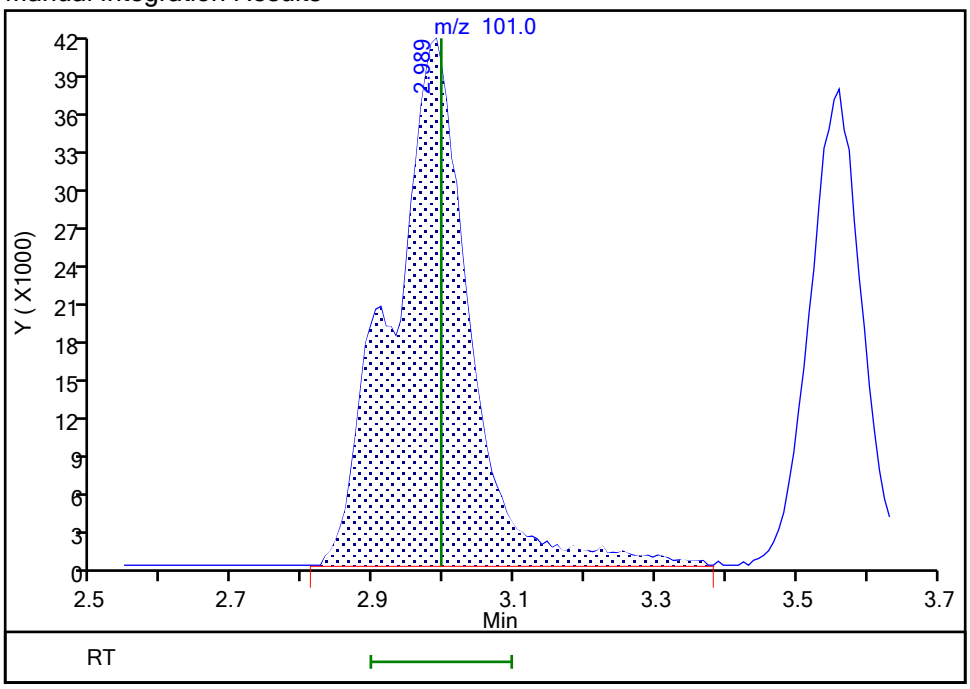
Processing Integration Results

RT: 2.99
Area: 311665
Amount: 15.513506
Amount Units: ug/l



Manual Integration Results

RT: 2.99
Area: 319418
Amount: 15.899421
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 20:34:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

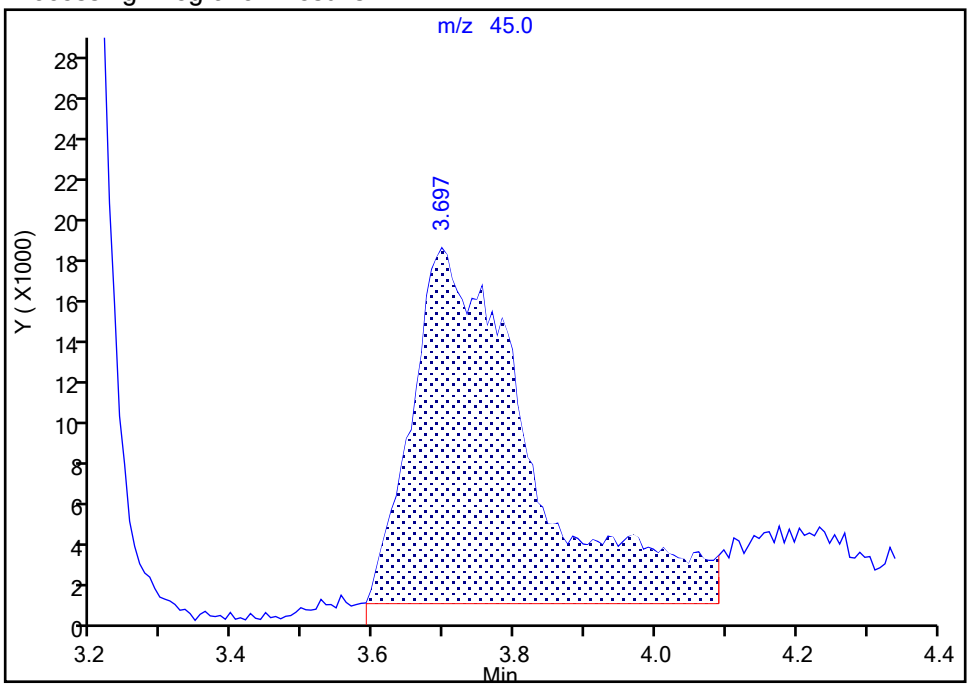
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17V11.D				
Injection Date:	20-Feb-2023 19:16:30	Instrument ID:	9355		
Lims ID:	ICV				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	10	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

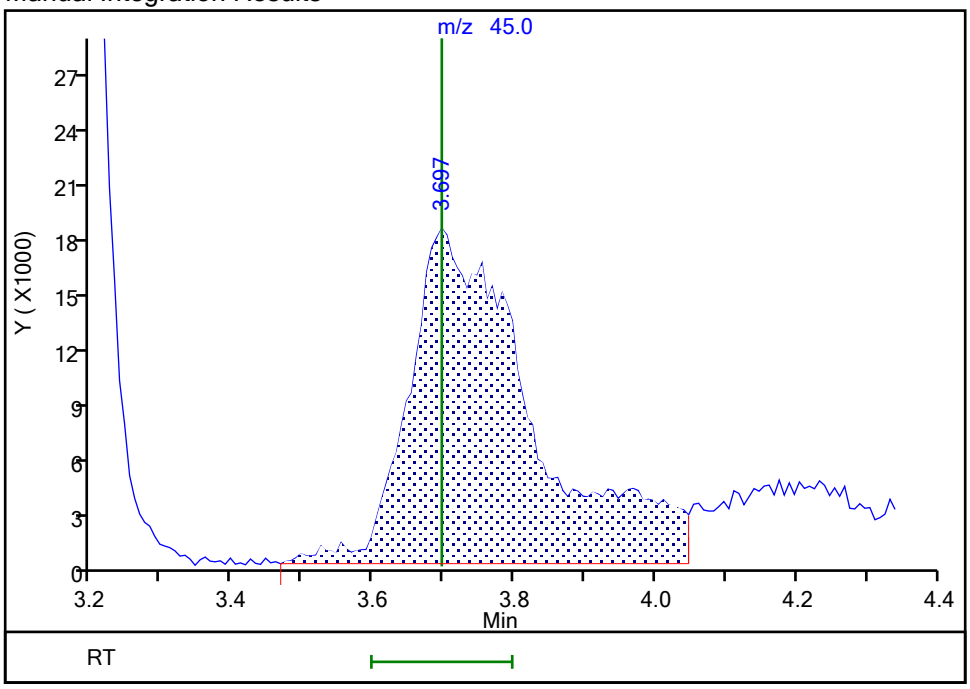
Processing Integration Results

RT: 3.70
Area: 203328
Amount: 95.385578
Amount Units: ug/l



Manual Integration Results

RT: 3.70
Area: 223669
Amount: 108.7854
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 20:29:31
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

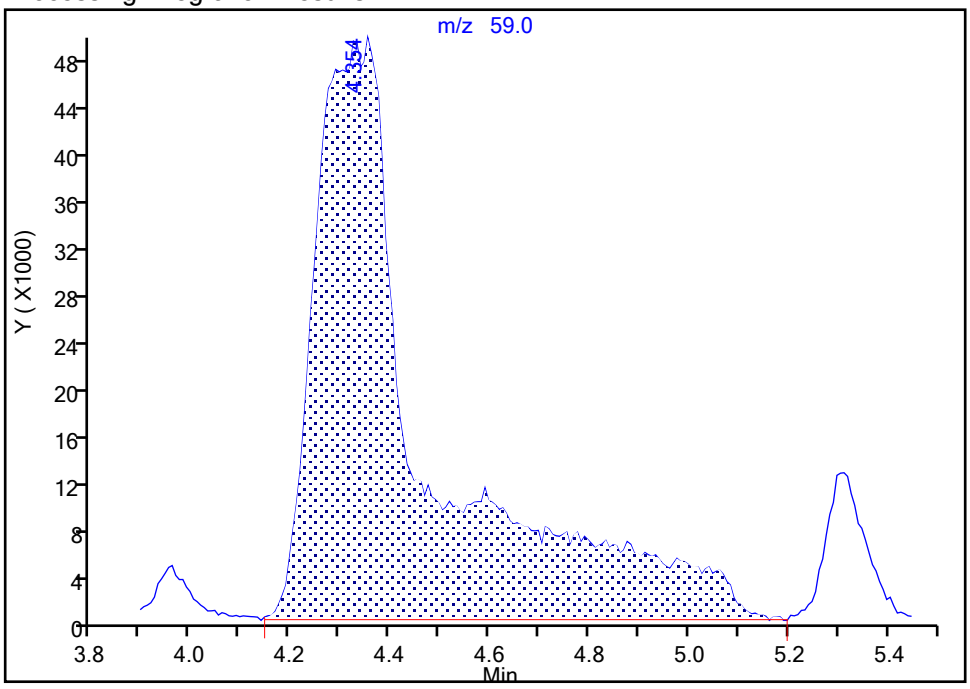
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17V11.D				
Injection Date:	20-Feb-2023 19:16:30	Instrument ID:	9355		
Lims ID:	ICV				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	10	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

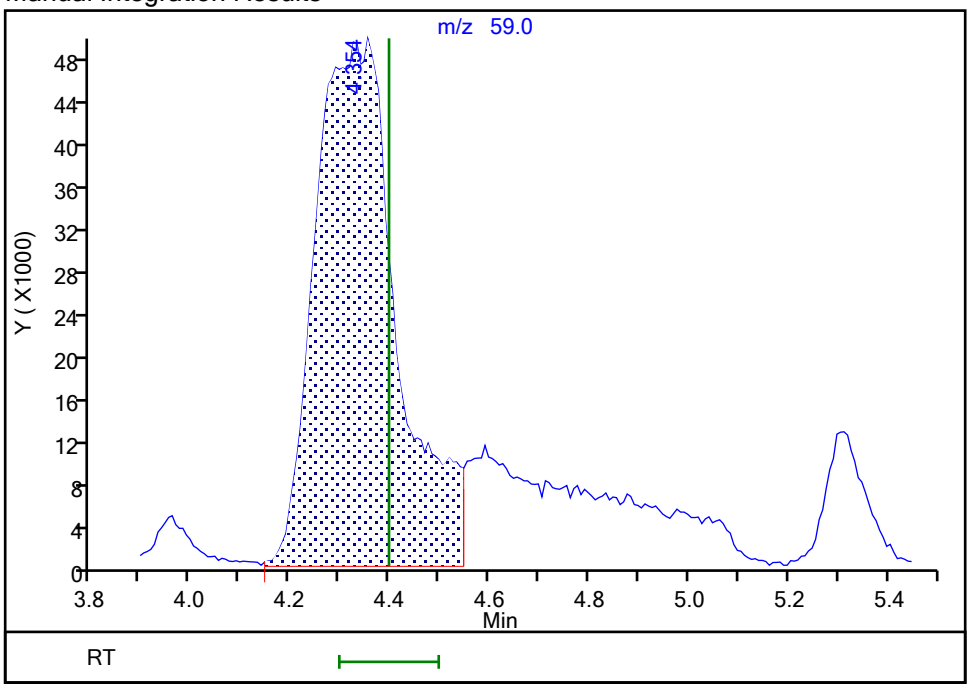
Processing Integration Results

RT: 4.35
Area: 783293
Amount: 192.4145
Amount Units: ug/l



Manual Integration Results

RT: 4.35
Area: 565419
Amount: 149.3918
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 20:30:52
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

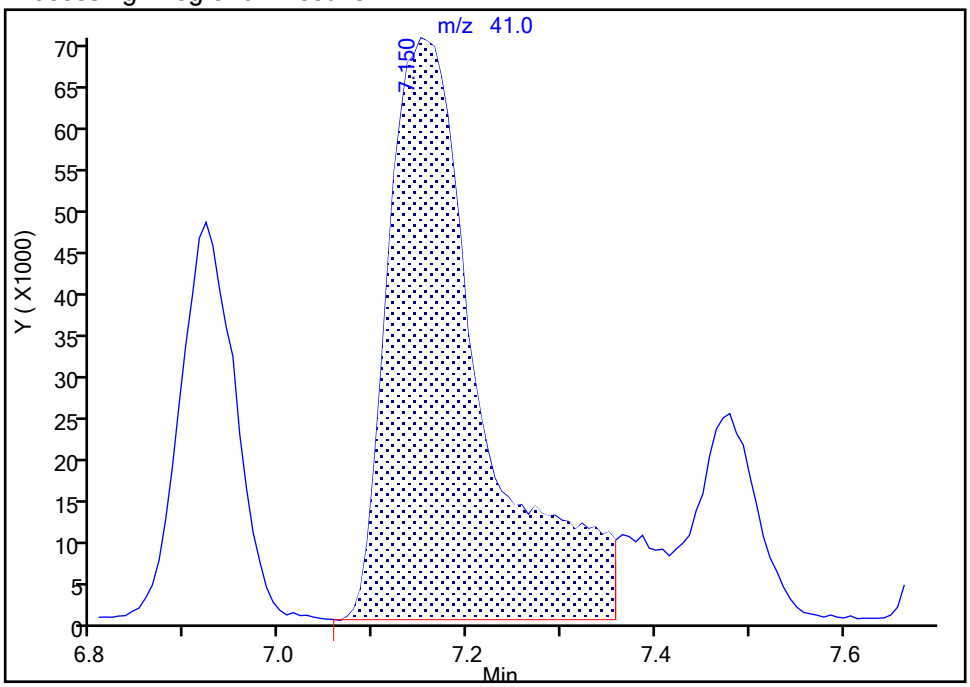
Data File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17V11.D				
Injection Date:	20-Feb-2023 19:16:30	Instrument ID:	9355		
Lims ID:	ICV				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	10	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9355	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

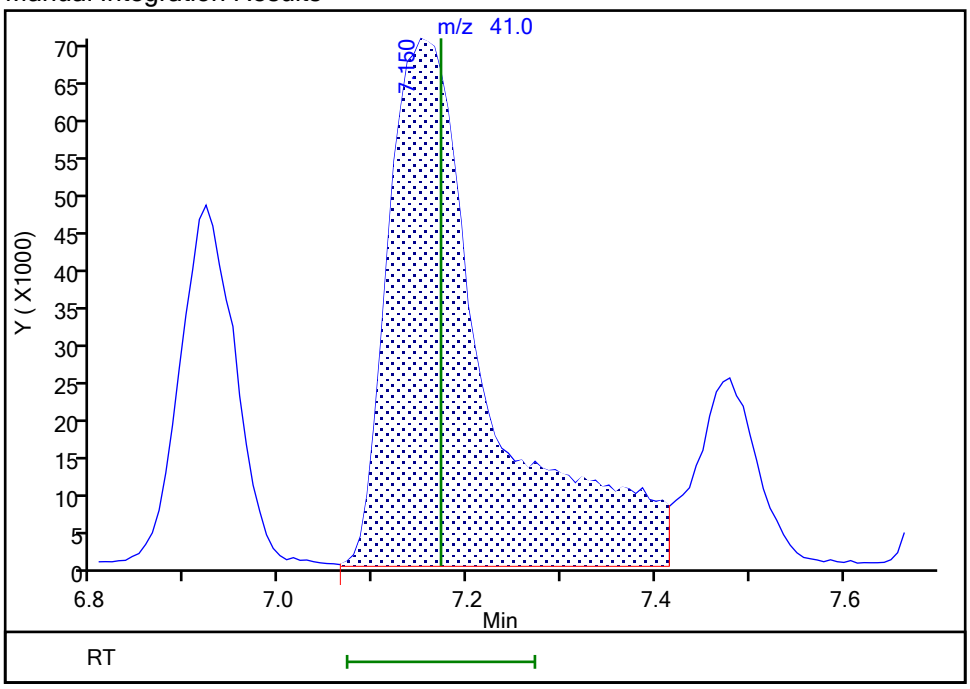
Processing Integration Results

RT: 7.15
Area: 481062
Amount: 395.1809
Amount Units: ug/l



Manual Integration Results

RT: 7.15
Area: 516067
Amount: 423.9367
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 20:35:36
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

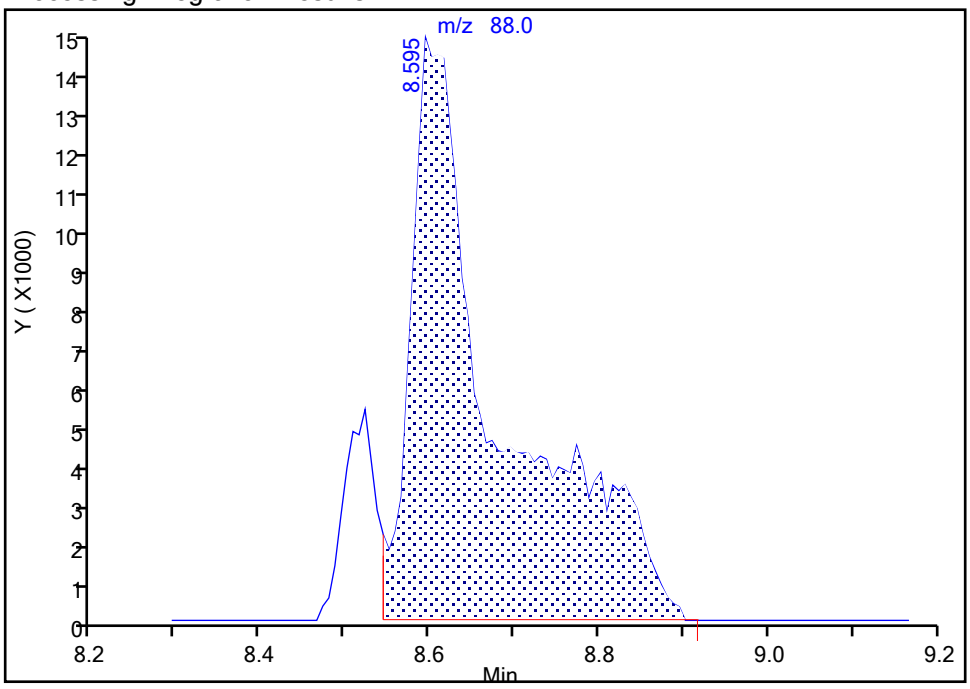
Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17V11.D
Injection Date: 20-Feb-2023 19:16:30 Instrument ID: 9355
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 10 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

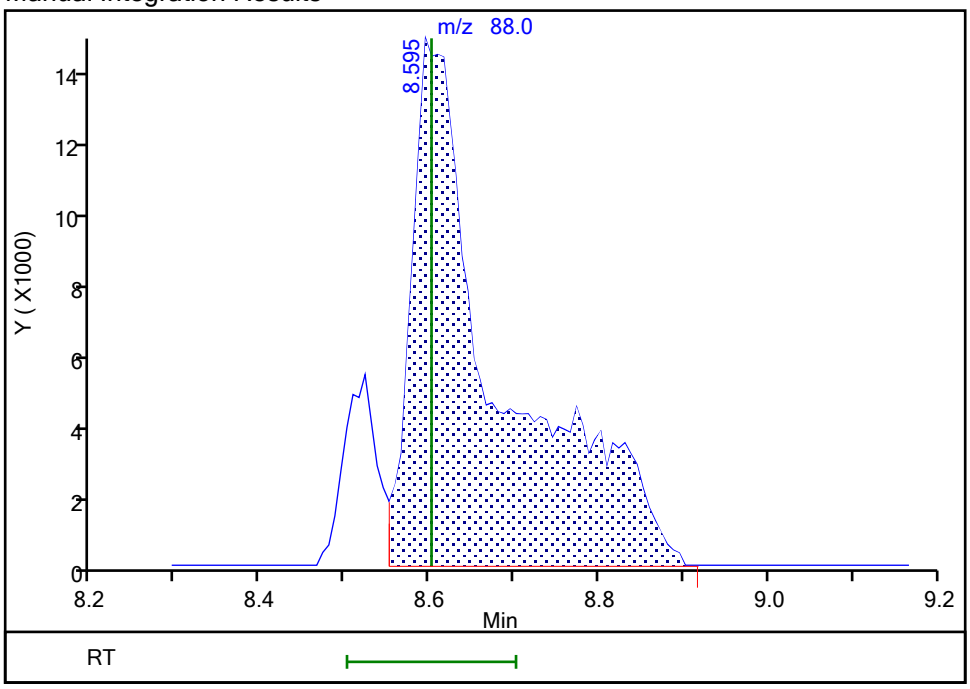
Processing Integration Results

RT: 8.59
Area: 105647
Amount: 388.5040
Amount Units: ug/l



Manual Integration Results

RT: 8.59
Area: 104734
Amount: 385.1465
Amount Units: ug/l



Reviewer: K4WN, 20-Feb-2023 20:28:18
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: CCVIS 410-349446/3 Calibration Date: 03/02/2023 10:07

Instrument ID: 9355 Calib Start Date: 02/20/2023 16:20

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2023 18:32

Lab File ID: YM02X02.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	0.6669	0.5964	0.1000	44.7	50.0	-10.6	20.0
Chloromethane	Ave	0.7166	0.6726	0.1000	46.9	50.0	-6.1	20.0
Vinyl chloride	Ave	0.6771	0.6354	0.1000	46.9	50.0	-6.2	20.0
1,3-Butadiene	Ave	0.6067	0.5985		49.3	50.0	-1.4	20.0
Bromomethane	Ave	0.4407	0.4171	0.1000	47.3	50.0	-5.4	20.0
Chloroethane	Ave	0.3428	0.3355	0.1000	48.9	50.0	-2.1	20.0
Dichlorofluoromethane	Ave	0.8820	0.8221		46.6	50.0	-6.8	20.0
Trichlorofluoromethane	Ave	0.7881	0.7213	0.1000	45.8	50.0	-8.5	20.0
n-Pentane	Ave	0.6702	0.5750		42.9	50.0	-14.2	20.0
Ethyl ether	Ave	0.3130	0.2809		44.9	50.0	-10.3	20.0
Freon 123a	Ave	0.4694	0.4432		47.2	50.0	-5.6	20.0
Acrolein	Ave	1.643	1.549		471	500	-5.7	20.0
1,1-Dichloroethene	Ave	0.3292	0.3274	0.1000	49.7	50.0	-0.6	20.0
Acetone	Ave	0.8763	0.7881	0.1000	89.9	100	-10.1	20.0
Freon 113	Ave	0.4217	0.3892	0.1000	46.1	50.0	-7.7	20.0
2-Propanol	Ave	0.8144	0.8659		266	250	6.3	20.0
Methyl iodide	Ave	0.6745	0.6718		49.8	50.0	-0.4	20.0
Carbon disulfide	Ave	1.234	1.255	0.1000	50.9	50.0	1.7	20.0
Methyl acetate	Ave	0.6215	0.5329	0.1000	42.9	50.0	-14.3	20.0
Allyl chloride	Ave	0.5722	0.5518		48.2	50.0	-3.6	20.0
Methylene Chloride	Ave	0.3942	0.3950	0.1000	50.1	50.0	0.2	20.0
t-Butyl alcohol	Ave	1.499	1.593		266	250	6.3	20.0
Acrylonitrile	Ave	0.2988	0.3158		132	125	5.7	20.0
Methyl tertiary butyl ether	Ave	1.308	1.215	0.1000	46.4	50.0	-7.1	20.0
trans-1,2-Dichloroethene	Ave	0.3521	0.3557	0.1000	50.5	50.0	1.0	20.0
n-Hexane	Ave	0.5226	0.5035		48.2	50.0	-3.7	20.0
1,1-Dichloroethane	Ave	0.6422	0.6485	0.2000	50.5	50.0	1.0	20.0
di-Isopropyl ether	Ave	1.214	1.215		50.1	50.0	0.1	20.0
2-Chloro-1,3-butadiene	Ave	0.5542	0.5542		50.0	50.0	-0.0	20.0
Ethyl t-butyl ether	Ave	1.231	1.173		47.7	50.0	-4.7	20.0
2-Butanone	Ave	0.4523	0.3872	0.1000	85.6	100	-14.4	20.0
cis-1,2-Dichloroethene	Ave	0.3921	0.4024	0.1000	51.3	50.0	2.6	20.0
2,2-Dichloropropane	Ave	0.6155	0.5927		48.2	50.0	-3.7	20.0
Propionitrile	Ave	1.356	1.682		310	250	24.0*	20.0
Methacrylonitrile	Ave	0.2767	0.3018		136	125	9.0	20.0
Bromochloromethane	Ave	0.2079	0.2111		50.8	50.0	1.6	20.0
Tetrahydrofuran	Ave	1.246	1.370		275	250	10.0	20.0
Chloroform	Ave	0.6497	0.6504	0.2000	50.1	50.0	0.1	20.0
1,1,1-Trichloroethane	Ave	0.6174	0.5999	0.1000	48.6	50.0	-2.8	20.0
Cyclohexane	Ave	0.7351	0.6774	0.1000	46.1	50.0	-7.8	20.0
1,1-Dichloropropene	Ave	0.4753	0.4764		50.1	50.0	0.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: CCVIS 410-349446/3 Calibration Date: 03/02/2023 10:07

Instrument ID: 9355 Calib Start Date: 02/20/2023 16:20

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2023 18:32

Lab File ID: YM02X02.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	0.5143	0.5166	0.1000	50.2	50.0	0.4	20.0
Isobutyl alcohol	Ave	0.4822	0.5739		744	625	19.0	20.0
Benzene	Ave	1.487	1.498	0.5000	50.4	50.0	0.7	20.0
1,2-Dichloroethane	Ave	0.5404	0.5431	0.1000	50.3	50.0	0.5	20.0
t-Amyl methyl ether	Ave	1.196	1.184		49.5	50.0	-1.1	20.0
n-Heptane	Ave	0.6007	0.5799		48.3	50.0	-3.5	20.0
n-Butanol	Ave	0.3919	0.4689		748	625	19.7	20.0
Trichloroethene	Ave	0.3830	0.3914	0.2000	51.1	50.0	2.2	20.0
Methylcyclohexane	Ave	0.7319	0.6989	0.1000	47.8	50.0	-4.5	20.0
1,2-Dichloropropane	Ave	0.4067	0.4184	0.1000	51.4	50.0	2.9	20.0
t-Amyl ethyl ether	Ave	0.5502	0.5557		50.5	50.0	1.0	20.0
Methyl methacrylate	Ave	0.4005	0.4504		56.2	50.0	12.5	20.0
1,4-Dioxane	Ave	0.1077	0.1217	0.0050	706	625	13.0	20.0
Dibromomethane	Ave	0.2681	0.2845		53.1	50.0	6.1	20.0
Bromodichloromethane	Ave	0.4906	0.5244	0.2000	53.4	50.0	6.9	20.0
2-Nitropropane	Ave	2.067	2.497		302	250	20.8*	20.0
2-Chloroethyl vinyl ether	Ave	0.3000	0.2892		48.2	50.0	-3.6	20.0
cis-1,3-Dichloropropene	Ave	0.6034	0.6467	0.2000	53.6	50.0	7.2	20.0
4-Methyl-2-pentanone	Ave	0.8172	0.7798	0.1000	95.4	100	-4.6	20.0
Toluene	Ave	1.215	1.230	0.4000	50.6	50.0	1.2	20.0
trans-1,3-Dichloropropene	Ave	0.7357	0.7983	0.1000	54.3	50.0	8.5	20.0
Ethyl methacrylate	Ave	0.8472	0.9326		55.0	50.0	10.1	20.0
1,1,2-Trichloroethane	Ave	0.4932	0.5233	0.1000	53.1	50.0	6.1	20.0
Tetrachloroethene	Ave	0.5432	0.5543	0.2000	51.0	50.0	2.1	20.0
1,3-Dichloropropane	Ave	0.7747	0.8393		54.2	50.0	8.3	20.0
2-Hexanone	Ave	0.7597	0.7347	0.1000	96.7	100	-3.3	20.0
Dibromochloromethane	Ave	0.5151	0.5746		55.8	50.0	11.5	20.0
1,2-Dibromoethane	Ave	0.5200	0.5669	0.1000	54.5	50.0	9.0	20.0
1-Chlorohexane	Ave	0.6995	0.6674		47.7	50.0	-4.6	20.0
Chlorobenzene	Ave	1.399	1.453	0.5000	51.9	50.0	3.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5421	0.5716		52.7	50.0	5.5	20.0
Ethylbenzene	Ave	2.444	2.521	0.1000	51.6	50.0	3.1	20.0
m&p-Xylene	Ave	0.9454	0.9811	0.1000	104	100	3.8	20.0
o-Xylene	Ave	0.9925	1.018	0.3000	51.3	50.0	2.6	20.0
Styrene	Ave	1.574	1.690	0.3000	53.7	50.0	7.4	20.0
Bromoform	Ave	0.4357	0.5186	0.1000	59.5	50.0	19.0	20.0
Isopropylbenzene	Ave	2.596	2.730	0.1000	52.6	50.0	5.2	20.0
Cyclohexanone	Ave	0.4218	0.3744		555	625	-11.2	20.0
1,1,2,2-Tetrachloroethane	Ave	1.634	1.836	0.3000	56.2	50.0	12.4	20.0
Bromobenzene	Ave	1.041	1.134		54.5	50.0	8.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4719	0.4842		128	125	2.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: CCVIS 410-349446/3 Calibration Date: 03/02/2023 10:07

Instrument ID: 9355 Calib Start Date: 02/20/2023 16:20

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2023 18:32

Lab File ID: YM02X02.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	0.4856	0.5321		54.8	50.0	9.6	20.0
N-Propylbenzene	Ave	4.778	5.286		55.3	50.0	10.6	20.0
2-Chlorotoluene	Ave	1.038	1.101		53.0	50.0	6.0	20.0
1,3,5-Trimethylbenzene	Ave	3.688	4.017		54.5	50.0	8.9	20.0
4-Chlorotoluene	Ave	1.007	1.088		54.0	50.0	8.0	20.0
tert-Butylbenzene	Ave	0.7122	0.7816		54.9	50.0	9.8	20.0
1,2,4-Trimethylbenzene	Ave	3.824	4.232		55.3	50.0	10.7	20.0
sec-Butylbenzene	Ave	4.593	5.171		56.3	50.0	12.6	20.0
1,3-Dichlorobenzene	Ave	2.109	2.274	0.6000	53.9	50.0	7.8	20.0
p-Isopropyltoluene	Ave	4.074	4.539		55.7	50.0	11.4	20.0
1,4-Dichlorobenzene	Ave	2.090	2.218	0.5000	53.1	50.0	6.1	20.0
1,2,3-Trimethylbenzene	Ave	4.135	4.507		54.5	50.0	9.0	20.0
Benzyl chloride	Ave	3.063	3.573		58.3	50.0	16.6	20.0
1,3-Diethylbenzene	Ave	2.573	2.787		54.1	50.0	8.3	20.0
1,4-Diethylbenzene	Ave	2.678	2.861		53.4	50.0	6.8	20.0
n-Butylbenzene	Ave	2.137	2.327		54.4	50.0	8.9	20.0
1,2-Dichlorobenzene	Ave	2.302	2.436	0.4000	52.9	50.0	5.8	20.0
1,2-Diethylbenzene	Ave	2.209	2.314		52.4	50.0	4.7	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.5279	0.5586	0.0500	52.9	50.0	5.8	20.0
1,3,5-Trichlorobenzene	Ave	1.887	1.988		52.7	50.0	5.4	20.0
1,2,4-Trichlorobenzene	Ave	1.852	1.934	0.2000	52.2	50.0	4.4	20.0
Hexachlorobutadiene	Ave	0.7807	0.8294		53.1	50.0	6.2	20.0
Naphthalene	Ave	6.572	6.721		51.1	50.0	2.3	20.0
1,2,3-Trichlorobenzene	Ave	1.889	1.912		50.6	50.0	1.2	20.0
2-Methylnaphthalene	Ave	3.695	3.221		43.6	50.0	-12.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2490	0.2502		50.2	50.0	0.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0613	0.0616		50.3	50.0	0.5	20.0
Toluene-d8 (Surr)	Ave	1.277	1.262		49.4	50.0	-1.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5113	0.5072		49.6	50.0	-0.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 02-Mar-2023 10:07:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-003
Misc. Info.: CCVIS
Operator ID: clm27445 Instrument ID: 9355
Sublist: chrom-MSVoa_9355*sub43

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 11:10:26 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: TQ4J Date: 02-Mar-2023 11:06:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.974	1.974	0.000	99	680223	50.0	44.7	
4 Chloromethane	50	2.167	2.167	0.000	99	767161	50.0	46.9	
5 Vinyl chloride	62	2.274	2.274	0.000	98	724695	50.0	46.9	
6 Butadiene	39	2.288	2.288	0.000	93	682654	50.0	49.3	
8 Bromomethane	94	2.617	2.617	0.000	91	475659	50.0	47.3	
9 Chloroethane	64	2.689	2.689	0.000	100	382700	50.0	48.9	
10 Dichlorofluoromethane	67	2.932	2.932	0.000	97	937651	50.0	46.6	
11 Trichlorofluoromethane	101	3.003	3.003	0.000	96	822692	50.0	45.8	
12 Pentane	43	3.010	3.010	0.000	96	655845	50.0	42.9	
14 Ethyl ether	59	3.218	3.218	0.000	93	320343	50.0	44.9	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.304	3.304	0.000	93	505516	50.0	47.2	
16 Acrolein	56	3.382	3.382	0.000	99	1680233	500.0	471.4	
17 1,1-Dichloroethene	96	3.525	3.525	0.000	98	373380	50.0	49.7	
18 Acetone	58	3.547	3.547	0.000	100	170979	100.0	89.9	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.568	3.568	0.000	92	443877	50.0	46.1	
20 Isopropyl alcohol	45	3.704	3.704	0.000	96	469672	250.0	265.8	
21 Iodomethane	142	3.725	3.725	0.000	98	766253	50.0	49.8	
22 Carbon disulfide	76	3.840	3.840	0.000	99	1431004	50.0	50.9	
24 Methyl acetate	43	3.969	3.969	0.000	98	607744	50.0	42.9	
25 3-Chloro-1-propene	41	3.997	3.997	0.000	89	629287	50.0	48.2	
26 Methylene Chloride	84	4.176	4.176	0.000	92	450547	50.0	50.1	
* 27 t-Butyl alcohol-d10 (IS)	65	4.183	4.183	0.000	73	542382	250.0	250.0	M
28 2-Methyl-2-propanol	59	4.333	4.333	0.000	100	864253	250.0	265.7	
29 Acrylonitrile	53	4.490	4.490	0.000	99	900349	125.0	132.1	
30 Methyl tert-butyl ether	73	4.583	4.583	0.000	96	1385874	50.0	46.4	
32 trans-1,2-Dichloroethene	96	4.612	4.612	0.000	98	405740	50.0	50.5	
33 Hexane	57	5.034	5.034	0.000	94	574207	50.0	48.2	
34 1,1-Dichloroethane	63	5.256	5.256	0.000	96	739680	50.0	50.5	
36 Isopropyl ether	45	5.320	5.320	0.000	93	1385892	50.0	50.1	
37 2-Chloro-1,3-butadiene	53	5.370	5.370	0.000	92	632033	50.0	50.0	

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	5.856	5.856	0.000	98	1338229	50.0	47.7	
40 2-Butanone (MEK)	43	6.056	6.056	0.000	100	883291	100.0	85.6	
41 cis-1,2-Dichloroethene	96	6.092	6.092	0.000	83	458982	50.0	51.3	
42 2,2-Dichloropropane	77	6.114	6.114	0.000	88	676022	50.0	48.2	
43 Propionitrile	54	6.128	6.128	0.000	99	912203	250.0	310.0	
47 Methacrylonitrile	67	6.350	6.350	0.000	92	860390	125.0	136.3	
48 Chlorobromomethane	128	6.428	6.428	0.000	95	240816	50.0	50.8	
49 Tetrahydrofuran	71	6.457	6.457	0.000	91	743123	250.0	274.9	
50 Chloroform	83	6.571	6.571	0.000	93	741783	50.0	50.1	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.793	0.000	94	285387	50.0	50.2	
52 1,1,1-Trichloroethane	97	6.821	6.821	0.000	98	684165	50.0	48.6	
53 Cyclohexane	56	6.936	6.936	0.000	92	772559	50.0	46.1	
54 1,1-Dichloropropene	75	7.029	7.029	0.000	97	543333	50.0	50.1	
55 Carbon tetrachloride	117	7.036	7.036	0.000	97	589178	50.0	50.2	
56 Isobutyl alcohol	41	7.158	7.158	0.000	95	778244	625.0	744.0	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.258	7.258	0.000	84	70309	50.0	50.3	
58 Benzene	78	7.293	7.293	0.000	97	1708189	50.0	50.4	
59 1,2-Dichloroethane	62	7.358	7.358	0.000	97	619455	50.0	50.3	
61 Tert-amyl methyl ether	73	7.486	7.486	0.000	98	1350079	50.0	49.5	
* 62 Fluorobenzene (IS)	96	7.701	7.701	0.000	99	1140528	50.0	50.0	
63 n-Heptane	43	7.715	7.715	0.000	94	661380	50.0	48.3	
65 n-Butanol	56	8.044	8.044	0.000	90	635850	625.0	747.9	
66 Trichloroethene	95	8.187	8.187	0.000	99	446348	50.0	51.1	
67 Methylcyclohexane	83	8.509	8.509	0.000	93	797169	50.0	47.8	
68 1,2-Dichloropropane	63	8.516	8.516	0.000	84	477174	50.0	51.4	
69 2-ethoxy-2-methyl butane	87	8.523	8.523	0.000	91	633788	50.0	50.5	
70 Methyl methacrylate	69	8.595	8.595	0.000	91	513682	50.0	56.2	
71 1,4-Dioxane	88	8.602	8.602	0.000	37	165004	625.0	706.1	
72 Dibromomethane	93	8.630	8.630	0.000	95	324451	50.0	53.1	
74 Dichlorobromomethane	83	8.859	8.859	0.000	100	598079	50.0	53.4	
75 2-Nitropropane	41	9.110	9.110	0.000	98	1354129	250.0	301.9	
76 2-Chloroethyl vinyl ether	63	9.224	9.224	0.000	91	329804	50.0	48.2	
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	95	737527	50.0	53.6	
78 4-Methyl-2-pentanone (MIBK)	43	9.567	9.567	0.000	98	1778706	100.0	95.4	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1119253	50.0	49.4	
80 Toluene	92	9.803	9.803	0.000	98	1091285	50.0	50.6	
117 trans-1,3-Dichloropropene	75	10.053	10.053	0.000	93	708113	50.0	54.3	
119 Ethyl methacrylate	69	10.118	10.118	0.000	90	827159	50.0	55.0	
120 1,1,2-Trichloroethane	97	10.261	10.261	0.000	91	464183	50.0	53.1	
121 Tetrachloroethene	166	10.361	10.361	0.000	98	491686	50.0	51.0	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	91	744424	50.0	54.2	
124 2-Hexanone	43	10.468	10.468	0.000	97	1303270	100.0	96.7	
126 Chlorodibromomethane	129	10.647	10.647	0.000	90	509656	50.0	55.8	
127 Ethylene Dibromide	107	10.761	10.761	0.000	99	502854	50.0	54.5	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	85	886977	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	98	592010	50.0	47.7	
130 Chlorobenzene	112	11.219	11.219	0.000	94	1288523	50.0	51.9	
132 1,1,1,2-Tetrachloroethane	131	11.298	11.298	0.000	95	507025	50.0	52.7	
133 Ethylbenzene	91	11.305	11.305	0.000	98	2235816	50.0	51.6	
134 m-Xylene & p-Xylene	106	11.419	11.419	0.000	100	1740349	100.0	103.8	
135 o-Xylene	106	11.748	11.748	0.000	97	903267	50.0	51.3	
136 Styrene	104	11.762	11.762	0.000	94	1499233	50.0	53.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 Bromoform	173	11.927	11.927	0.000	97	459953	50.0	59.5	
138 Isopropylbenzene	105	12.048	12.048	0.000	96	2421409	50.0	52.6	
140 Cyclohexanone	55	12.120	12.120	0.000	94	507629	625.0	554.8	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	91	449858	50.0	49.6	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	94	997805	50.0	56.2	
143 Bromobenzene	156	12.313	12.313	0.000	93	616000	50.0	54.5	
144 trans-1,4-Dichloro-2-butene	53	12.313	12.313	0.000	78	657700	125.0	128.3	
145 1,2,3-Trichloropropane	110	12.341	12.341	0.000	84	289134	50.0	54.8	
146 N-Propylbenzene	91	12.384	12.384	0.000	99	2872485	50.0	55.3	
147 2-Chlorotoluene	126	12.456	12.456	0.000	97	598210	50.0	53.0	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	94	2182775	50.0	54.5	
149 4-Chlorotoluene	126	12.549	12.549	0.000	98	591110	50.0	54.0	
151 tert-Butylbenzene	134	12.763	12.763	0.000	93	424708	50.0	54.9	
153 1,2,4-Trimethylbenzene	105	12.799	12.799	0.000	98	2299627	50.0	55.3	
154 sec-Butylbenzene	105	12.928	12.928	0.000	94	2809567	50.0	56.3	
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	98	1235686	50.0	53.9	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	97	2466362	50.0	55.7	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	94	543366	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.099	13.099	0.000	95	1204959	50.0	53.1	
159 1,2,3-Trimethylbenzene	105	13.107	13.107	0.000	99	2448921	50.0	54.5	
160 Benzyl chloride	91	13.171	13.171	0.000	99	1941185	50.0	58.3	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	95	1514091	50.0	54.1	
162 p-Diethylbenzene	119	13.307	13.307	0.000	95	1554403	50.0	53.4	
163 n-Butylbenzene	92	13.328	13.328	0.000	96	1264496	50.0	54.4	
164 1,2-Dichlorobenzene	146	13.357	13.357	0.000	98	1323736	50.0	52.9	
165 o-diethylbenzene	119	13.378	13.378	0.000	95	1257208	50.0	52.4	
167 1,2-Dibromo-3-Chloropropane	75	13.900	13.900	0.000	88	303502	50.0	52.9	
168 1,3,5-Trichlorobenzene	180	14.036	14.036	0.000	98	1080445	50.0	52.7	
169 1,2,4-Trichlorobenzene	180	14.458	14.458	0.000	94	1050768	50.0	52.2	
170 Hexachlorobutadiene	225	14.544	14.544	0.000	96	450669	50.0	53.1	
171 Naphthalene	128	14.637	14.637	0.000	97	3651904	50.0	51.1	
172 1,2,3-Trichlorobenzene	180	14.780	14.780	0.000	96	1038929	50.0	50.6	
173 2-Methylnaphthalene	142	15.416	15.416	0.000	92	1749985	50.0	43.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00005	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#1_00113	Amount Added:	5.00	Units: uL	
MSV_CCV_2CEVE_00109	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00114	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00004	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00406	Amount Added:	2.50	Units: uL	
MSV_HP20_ISSS_00097	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 02-Mar-2023 11:10:28 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X02.D

Injection Date: 02-Mar-2023 10:07:30 Instrument ID: 9355 Operator ID: clm27445

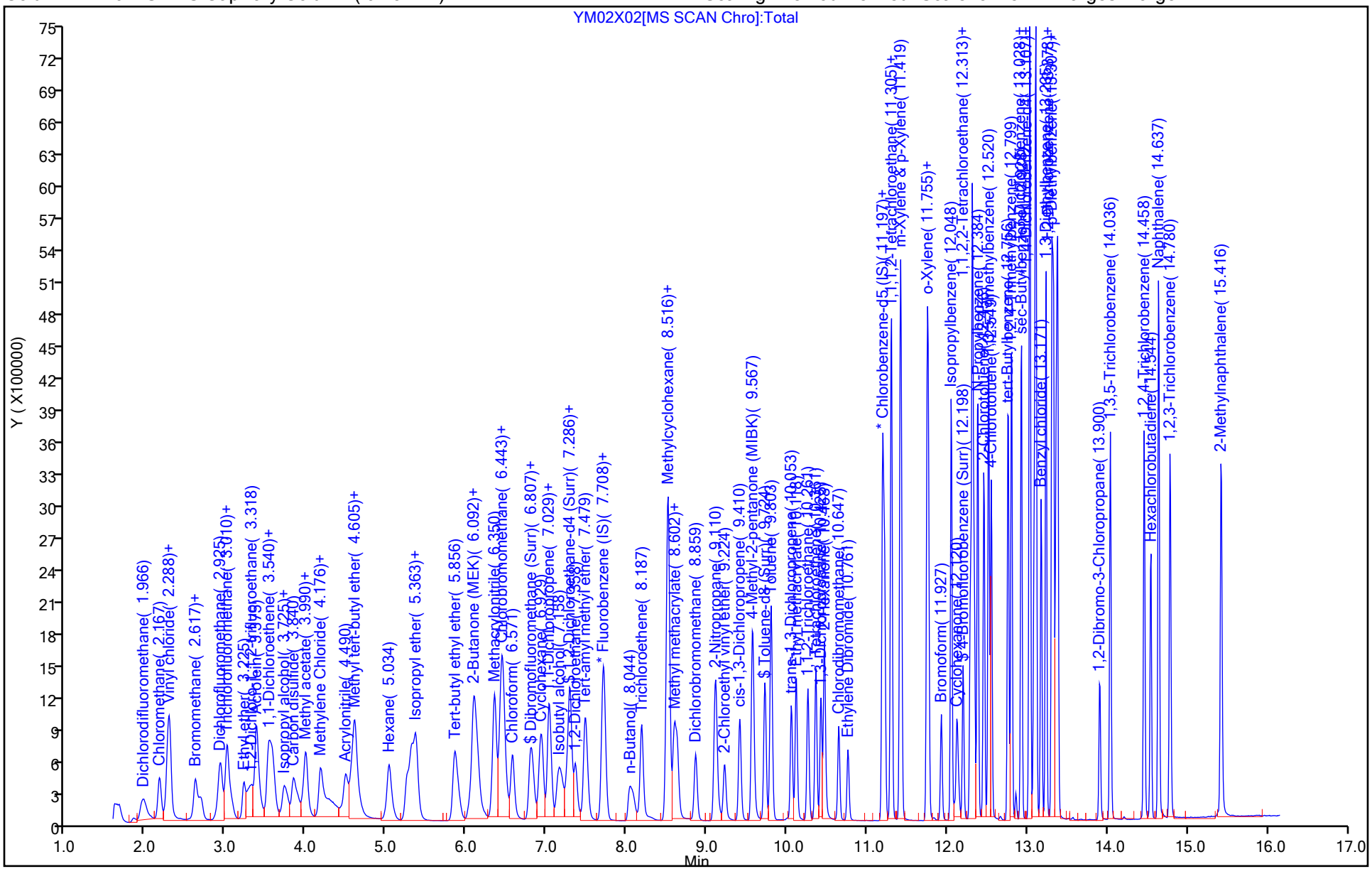
Lims ID: CCVIS Worklist Smp#: 3

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

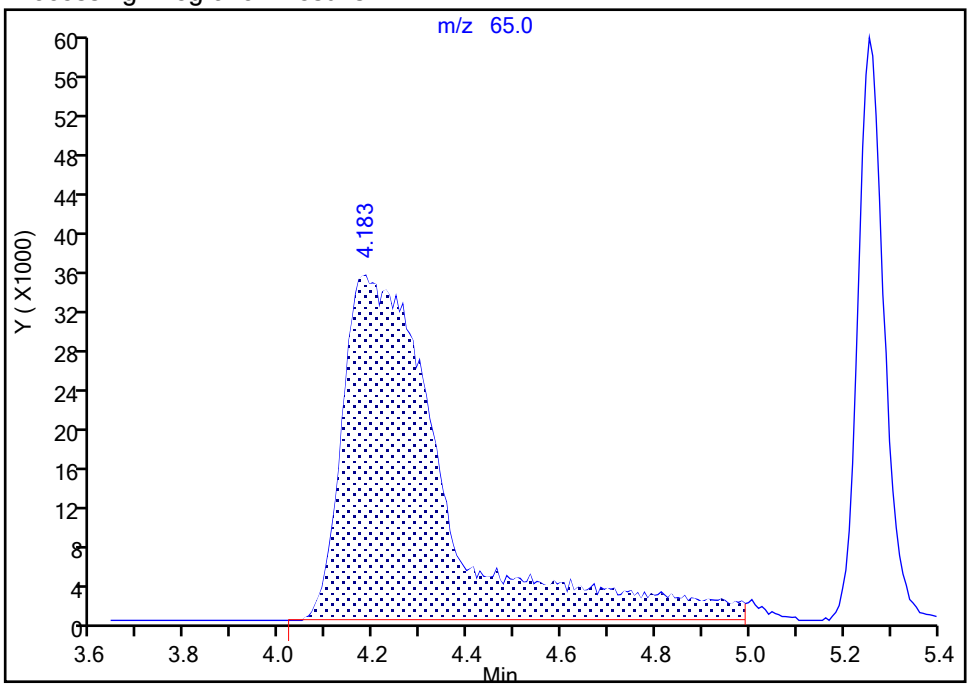
Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X02.D
Injection Date: 02-Mar-2023 10:07:30 Instrument ID: 9355
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9355 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 27 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

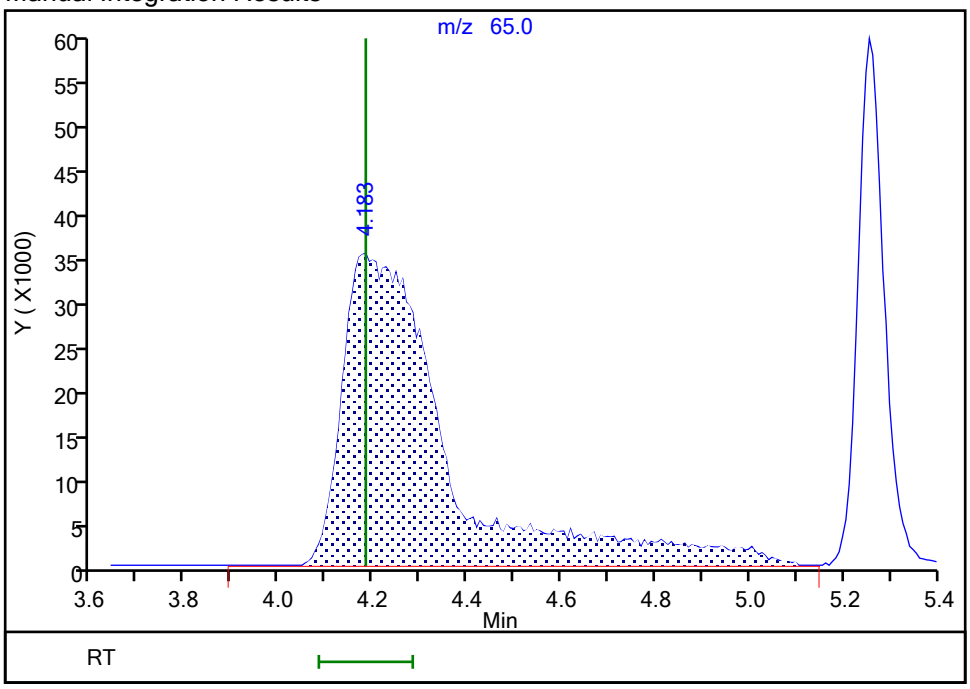
Processing Integration Results

RT: 4.18
Area: 536461
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.18
Area: 542382
Amount: 250.0000
Amount Units: ug/l



Reviewer: TQ4J, 02-Mar-2023 11:01:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17TA1.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 20-Feb-2023 15:44:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0077389-001
Misc. Info.: BFB
Operator ID: kas02648 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 20-Feb-2023 20:41:02 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1671

First Level Reviewer: UKAD Date: 20-Feb-2023 15:54:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 31 BFB	95	4.598	4.598	0.000	0	223584	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

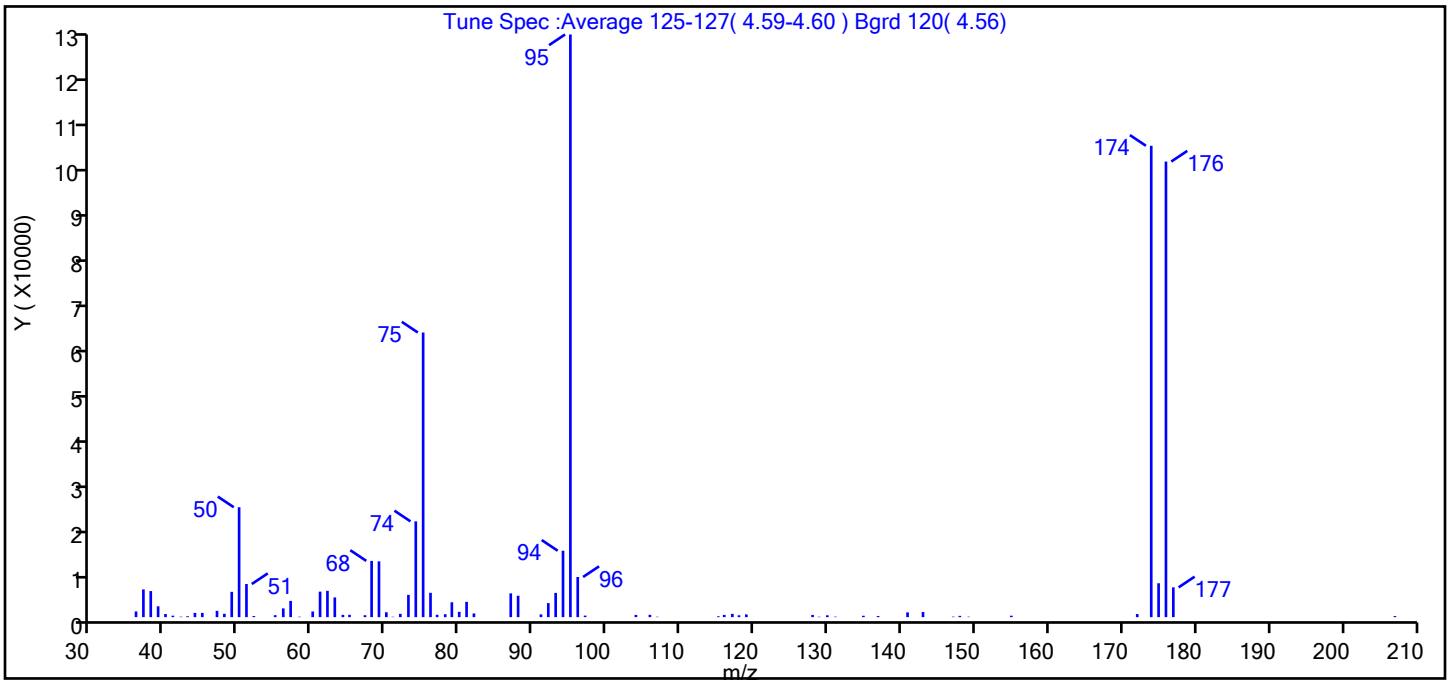
MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17TA1.D
Injection Date: 20-Feb-2023 15:44:30 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

$ 31 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.9
75	30 to 60% of m/z 95	48.9
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	80.9
175	5 to 9% of m/z 174	5.8 (7.2)
176	Greater than 95% but less than 101% of m/z 174	78.2 (96.7)
177	5 to 9% of m/z 176	5.1 (6.5)

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17TA1.D\MSVoa_9355.rslt\spectra.d
Injection Date: 20-Feb-2023 15:44:30
Spectrum: Tune Spec :Average 125-127(4.59-4.60) Bgrd 120(4.56)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1256	60.00	1246	81.00	3356	129.00	89
37.00	6085	61.00	5596	82.00	813	130.00	407
38.00	5721	62.00	5765	87.00	5224	131.00	108
39.00	2375	63.00	4332	88.00	4696	135.00	307
40.00	687	64.00	502	91.00	606	137.00	240
41.00	320	65.00	508	92.00	3083	141.00	1047
42.00	100	67.00	421	93.00	5317	143.00	1117
43.00	198	68.00	12340	94.00	14571	147.00	112
44.00	930	69.00	12234	95.00	127832	148.00	282
45.00	939	70.00	1075	96.00	8811	149.00	96
47.00	1383	71.00	85	97.00	340	155.00	319
48.00	737	72.00	723	104.00	485	172.00	676
49.00	5550	73.00	4886	106.00	517	174.00	103416
50.00	24112	74.00	21016	107.00	84	175.00	7438
51.00	7265	75.00	62448	115.00	187	176.00	99952
52.00	242	76.00	5333	116.00	496	177.00	6539
55.00	438	77.00	520	117.00	726	207.00	238
56.00	1923	78.00	637	118.00	409	209.00	2
57.00	3561	79.00	3261	119.00	593		
58.00	97	80.00	1161	128.00	484		

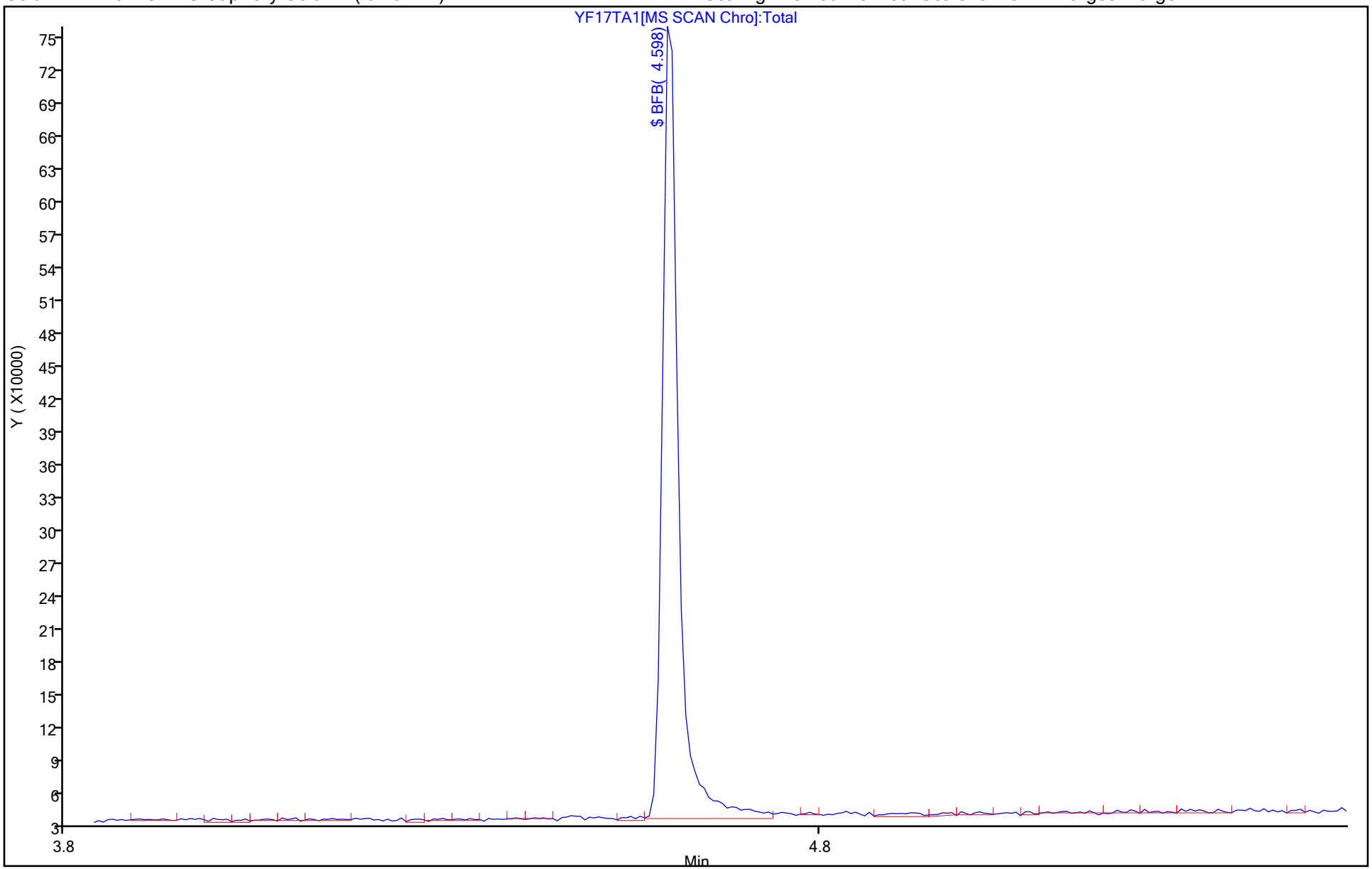
Report Date: 20-Feb-2023 20:41:02 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17TA1.D

Injection Date:	20-Feb-2023 15:44:30	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\20230302-78093.b\YM02T02.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 02-Mar-2023 09:22:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0078093-001
Misc. Info.: BFB
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 09:53:41 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1616

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 31 BFB	95	4.604	4.604	0.000	0	120512	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

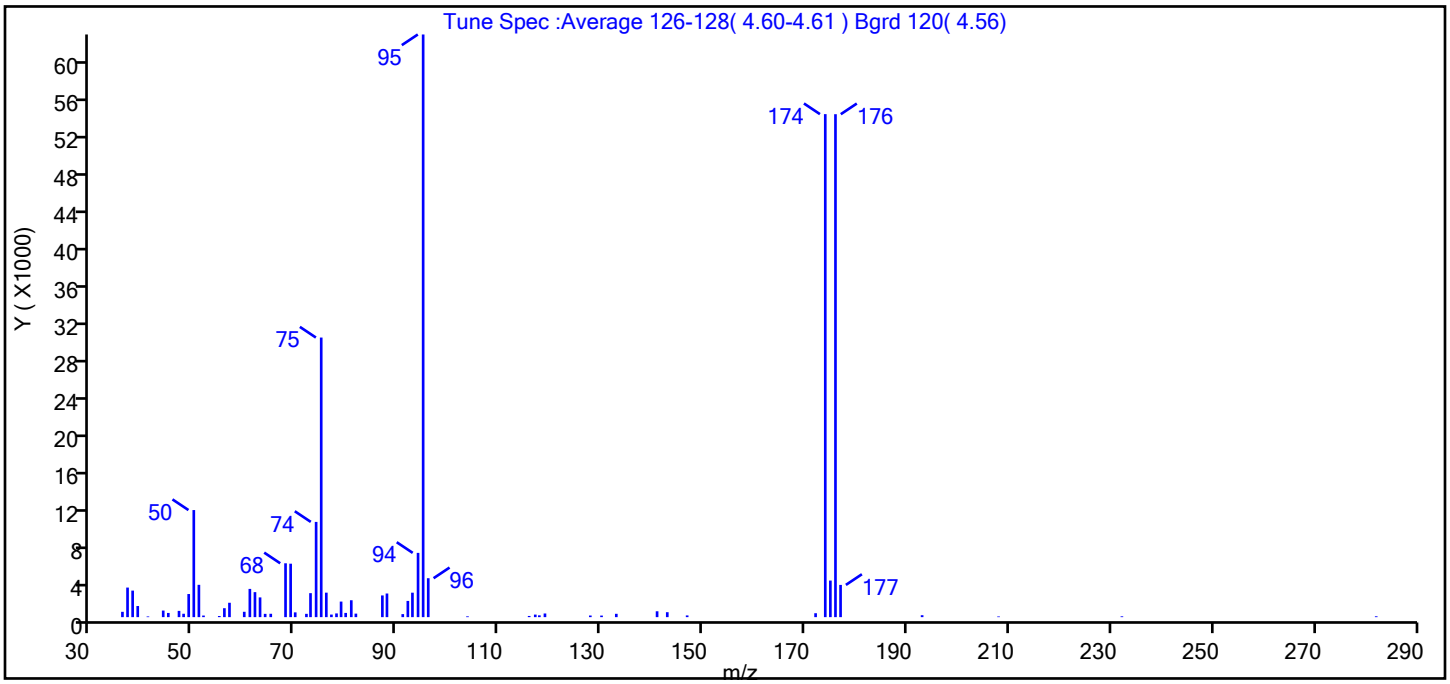
MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02T02.D
Injection Date: 02-Mar-2023 09:22:30 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

$ 31 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.4
75	30 to 60% of m/z 95	48.0
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	86.3
175	5 to 9% of m/z 174	6.3 (7.3)
176	Greater than 95% but less than 101% of m/z 174	86.3 (100.0)
177	5 to 9% of m/z 176	5.5 (6.4)

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02T02.D\MSVoa_9355.rslt\spectra.d
Injection Date: 02-Mar-2023 09:22:30
Spectrum: Tune Spec :Average 126-128(4.60-4.61) Bgrd 120(4.56)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	576	60.00	579	79.00	1682	119.00	395
37.00	3196	61.00	3052	80.00	457	128.00	175
38.00	2868	62.00	2702	81.00	1826	130.00	170
39.00	1202	63.00	2133	82.00	380	133.00	361
41.00	75	64.00	356	87.00	2346	141.00	635
44.00	712	65.00	364	88.00	2554	143.00	534
45.00	453	68.00	5820	91.00	328	147.00	185
47.00	677	69.00	5776	92.00	1752	172.00	424
48.00	366	70.00	516	93.00	2644	174.00	54360
49.00	2498	72.00	358	94.00	6945	175.00	3953
50.00	11572	73.00	2593	95.00	62968	176.00	54352
51.00	3493	74.00	10292	96.00	4207	177.00	3484
52.00	172	75.00	30216	104.00	85	193.00	209
55.00	121	76.00	2646	116.00	128	208.00	73
56.00	967	77.00	279	117.00	276	232.00	87
57.00	1554	78.00	402	118.00	194	282.00	92

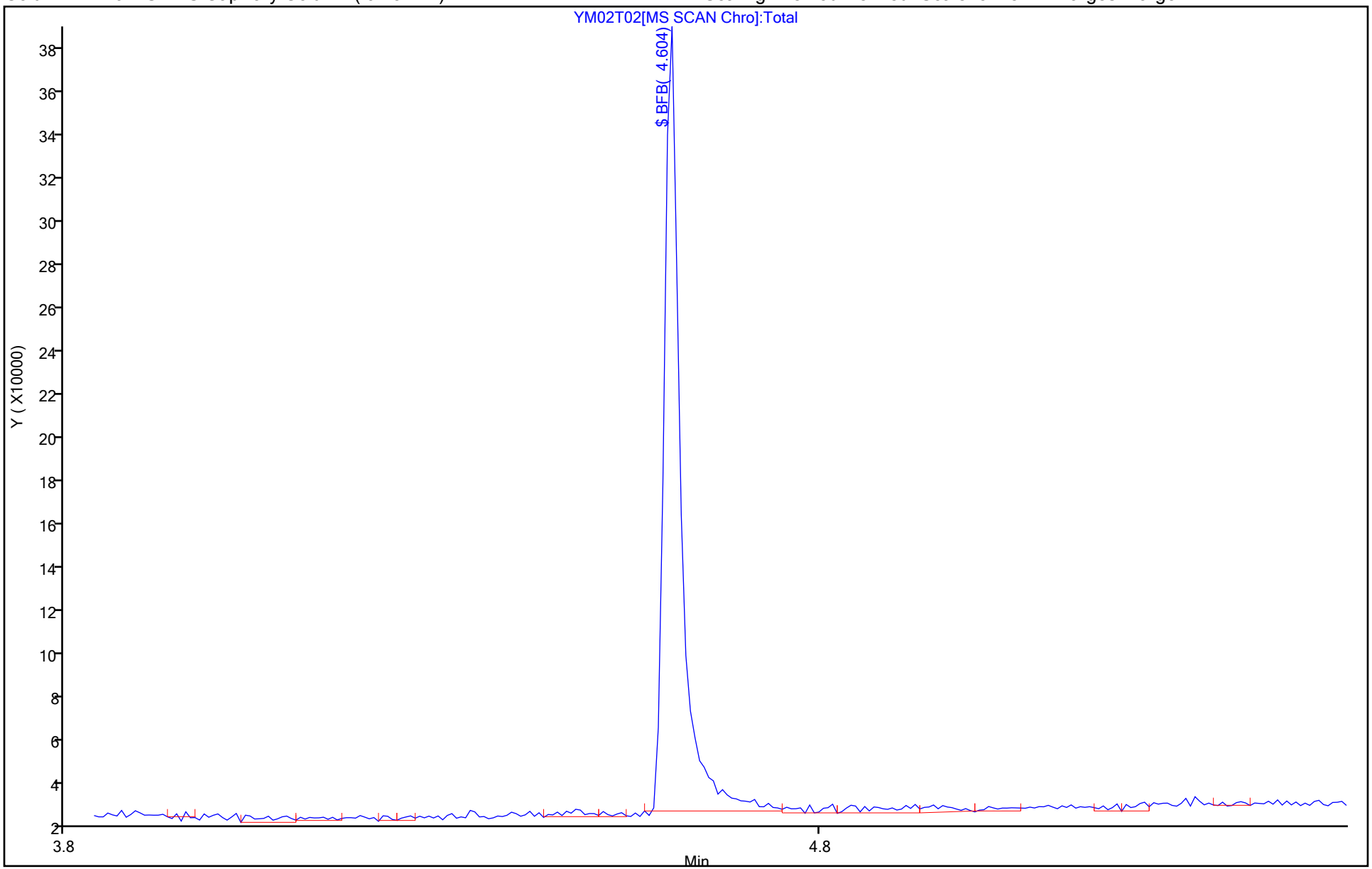
Report Date: 02-Mar-2023 09:53:42 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02T02.D

Injection Date:	02-Mar-2023 09:22:30	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.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-349446/9

Matrix: Water
Lab File ID: YM02X08.D

Analysis Method: 8260C
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 12:19

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.: 349446
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.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-349446/9

Matrix: Water
Lab File ID: YM02X08.D

Analysis Method: 8260C
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 12:19

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.: 349446
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)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		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\20230302-78093.b\YM02X08.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 02-Mar-2023 12:19:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-009
Misc. Info.: MB
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 03-Mar-2023 07:54:37 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 07:54:37

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.909					ND	
3	Chlorodifluoromethane	51		1.966					ND	
2	Dichlorodifluoromethane	85		1.974					ND	
4	Chloromethane	50		2.167					ND	
5	Vinyl chloride	62		2.274					ND	
6	Butadiene	39		2.288					ND	7
7	2-Chloro-1,1,1-Trifluoroethane	118		2.353					ND	
8	Bromomethane	94		2.617					ND	
9	Chloroethane	64		2.689					ND	
10	Dichlorofluoromethane	67		2.932					ND	
11	Trichlorofluoromethane	101		3.003					ND	
12	Pentane	43		3.010					ND	7
13	Ethanol	45		3.053					ND	
14	Ethyl ether	59		3.218					ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		3.304					ND	
16	Acrolein	56		3.382					ND	
17	1,1-Dichloroethene	96		3.525					ND	
18	Acetone	58		3.547					ND	
19	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.568					ND	
20	Isopropyl alcohol	45		3.704					ND	
21	Iodomethane	142		3.725					ND	
22	Carbon disulfide	76		3.840					ND	
23	Acetonitrile	41		3.904					ND	7
24	Methyl acetate	43		3.969					ND	7
25	3-Chloro-1-propene	41		3.997					ND	
26	Methylene Chloride	84		4.176					ND	
* 27	t-Butyl alcohol-d10 (IS)	65	4.240	4.233	0.007	32	534504	250.0	250.0	
28	2-Methyl-2-propanol	59		4.333					ND	7
29	Acrylonitrile	53		4.490					ND	
30	Methyl tert-butyl ether	73		4.583					ND	
32	trans-1,2-Dichloroethene	96		4.612					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		5.034					ND	
35 Vinyl acetate	43		5.255					ND	7
34 1,1-Dichloroethane	63		5.256					ND	
36 Isopropyl ether	45		5.320					ND	7
37 2-Chloro-1,3-butadiene	53		5.370					ND	
39 Tert-butyl ethyl ether	59		5.856					ND	
40 2-Butanone (MEK)	43		6.056					ND	
41 cis-1,2-Dichloroethene	96		6.092					ND	
42 2,2-Dichloropropane	77		6.114					ND	
43 Propionitrile	54		6.128					ND	
44 Ethyl acetate	43		6.135					ND	7
S 45 1,2-Dichloroethene, Total	100		6.155					ND	7
177 Methyl acrylate	55		6.199					ND	
47 Methacrylonitrile	67		6.350					ND	
48 Chlorobromomethane	128		6.428					ND	
49 Tetrahydrofuran	71	6.464	6.457	0.007	88	2732		1.03	
50 Chloroform	83		6.571					ND	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.793	0.000	94	279550	50.0	51.4	
52 1,1,1-Trichloroethane	97		6.821					ND	
53 Cyclohexane	56		6.936					ND	
54 1,1-Dichloropropene	75		7.029					ND	
55 Carbon tetrachloride	117		7.036					ND	
56 Isobutyl alcohol	41		7.158					ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.258	7.250	0.008	43	69084	50.0	51.5	
58 Benzene	78		7.293					ND	
59 1,2-Dichloroethane	62		7.358					ND	
60 Isopropyl acetate	43		7.365					ND	
61 Tert-amyl methyl ether	73		7.486					ND	
* 62 Fluorobenzene (IS)	96	7.701	7.694	0.007	99	1092794	50.0	50.0	
63 n-Heptane	43		7.715					ND	7
64 t-Amyl alcohol	73		7.842					ND	
65 n-Butanol	56		8.044					ND	
66 Trichloroethene	95		8.187					ND	
191 Ethyl acrylate	55		8.287					ND	
67 Methylcyclohexane	83		8.509					ND	
68 1,2-Dichloropropane	63		8.516					ND	
69 2-ethoxy-2-methyl butane	87		8.523					ND	
70 Methyl methacrylate	69		8.595					ND	
71 1,4-Dioxane	88		8.602					ND	
72 Dibromomethane	93		8.630					ND	
73 n-Propyl acetate	61		8.673					ND	
74 Dichlorobromomethane	83		8.859					ND	
75 2-Nitropropane	41		9.110					ND	
76 2-Chloroethyl vinyl ether	63		9.224					ND	
77 cis-1,3-Dichloropropene	75		9.410					ND	
78 4-Methyl-2-pentanone (MIBK)	43		9.567					ND	7
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1046263	50.0	50.7	
80 Toluene	92		9.803					ND	
117 trans-1,3-Dichloropropene	75		10.053					ND	
S 118 1,3-Dichloropropene, Total	100		10.060					ND	7
119 Ethyl methacrylate	69		10.118					ND	
120 1,1,2-Trichloroethane	97		10.261					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Tetrachloroethene	166		10.361				ND		
122 1,3-Dichloropropane	76		10.425				ND		
123 3,4-Dichloro-1-butene	75		10.461				ND		
124 2-Hexanone	43		10.468				ND		
125 n-Butyl acetate	43		10.597				ND		
126 Chlorodibromomethane	129		10.647				ND		
127 Ethylene Dibromide	107		10.761				ND		
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	808566	50.0	50.0	
129 1-Chlorohexane	91		11.197				ND		U
130 Chlorobenzene	112		11.219				ND		
S 131 Xylenes, Total	106		11.245				ND		7
132 1,1,1,2-Tetrachloroethane	131		11.298				ND		
133 Ethylbenzene	91		11.305				ND		
134 m-Xylene & p-Xylene	106		11.419				ND		
269 n-Butyl acrylate	55		11.691				ND		
135 o-Xylene	106		11.748				ND		
136 Styrene	104		11.762				ND		
137 Bromoform	173		11.927				ND		
138 Isopropylbenzene	105		12.048				ND		
139 cis-1,4-Dichloro-2-butene	88		12.091				ND		
140 Cyclohexanone	55		12.120				ND		7
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	92	387299	50.0	46.8	
142 1,1,2,2-Tetrachloroethane	83		12.291				ND		
143 Bromobenzene	156		12.313				ND		
144 trans-1,4-Dichloro-2-butene	53		12.313				ND		
145 1,2,3-Trichloropropane	110		12.341				ND		
146 N-Propylbenzene	91		12.384				ND		
147 2-Chlorotoluene	126		12.456				ND		
148 1,3,5-Trimethylbenzene	105		12.520				ND		
149 4-Chlorotoluene	126		12.549				ND		
150 2,3,4-Trichlorobutene	109		12.574				ND		
151 tert-Butylbenzene	134		12.763				ND		
152 Pentachloroethane	167		12.792				ND		
153 1,2,4-Trimethylbenzene	105		12.799				ND		
154 sec-Butylbenzene	105		12.928				ND		
155 1,3-Dichlorobenzene	146		13.028				ND		
156 4-Isopropyltoluene	119		13.035				ND		
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	483370	50.0	50.0	
158 1,4-Dichlorobenzene	146		13.099				ND		
159 1,2,3-Trimethylbenzene	105		13.107				ND		
160 Benzyl chloride	91		13.171				ND		7
161 1,3-Diethylbenzene	119		13.235				ND		
162 p-Diethylbenzene	119		13.307				ND		
163 n-Butylbenzene	92		13.328				ND		
164 1,2-Dichlorobenzene	146		13.357				ND		
165 o-diethylbenzene	119		13.378				ND		
268 2-Butoxyethyl acetate	43		13.514				ND		U
166 Hexachloroethane	201		13.560				ND		
167 1,2-Dibromo-3-Chloropropane	75		13.900				ND		
168 1,3,5-Trichlorobenzene	180		14.036				ND		
169 1,2,4-Trichlorobenzene	180		14.458				ND		
267 2-Ethylhexyl acrylate	55		14.508				ND		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Hexachlorobutadiene	225		14.544					ND	
171 Naphthalene	128		14.637					ND	7
172 1,2,3-Trichlorobenzene	180		14.780					ND	
173 2-Methylnaphthalene	142		15.416					ND	7
174 C4-C10	1		0.000					ND	
196 C6-C12	1		0.000					ND	
S 197 divinyl benzene	1		0.000					ND	7
198 3-Methyl-1-butene	1		0.000					ND	
199 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
200 Propene oxide	1		0.000					ND	
201 1,3-Divinylbenzene	1		0.000					ND	
202 Propanol	1		0.000					ND	
203 Diethoxymethane	1		0.000					ND	
204 1-Bromo-2-chloroethane	1		0.000					ND	
S 205 Total BTEX	1		0.000					ND	
206 1-Chlorobutane	1		0.000					ND	
207 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
208 Isobutyl acetate	43		0.000					ND	
209 1,4-Divinylbenzene	1		0.000					ND	
210 tert-Butyl Formate	1		0.000					ND	
195 Chloroacetonitrile	1		0.000					ND	
211 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
194 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
192 3-chloro-1-Butene	1		0.000					ND	
175 Ethyl bromide	1		0.000					ND	
176 Methylal	1		0.000					ND	
178 n-Nonane	1		0.000					ND	
179 C5-C12	1		0.000					ND	
180 C6-C10	1		0.000					ND	
181 n-Octane	1		0.000					ND	
182 Undecane	1		0.000					ND	
183 C4-C12	1		0.000					ND	
S 184 Total Diethylbenzene	1		0.000					ND	7
185 1,1,2-Trichloro-1,2,2-trifluoroe	1		0.000					ND	
186 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
187 4-Ethyltoluene	1		0.000					ND	
188 Dodecane	57		0.000					ND	
189 sec-Butyl Alcohol	45		0.000					ND	
190 Butane	1		0.000					ND	
193 n-Decane	57		0.000					ND	
270 3-chloro-1-Butene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP20_ISSS_00097 Amount Added: 1.00 Units: uL Run Reagent

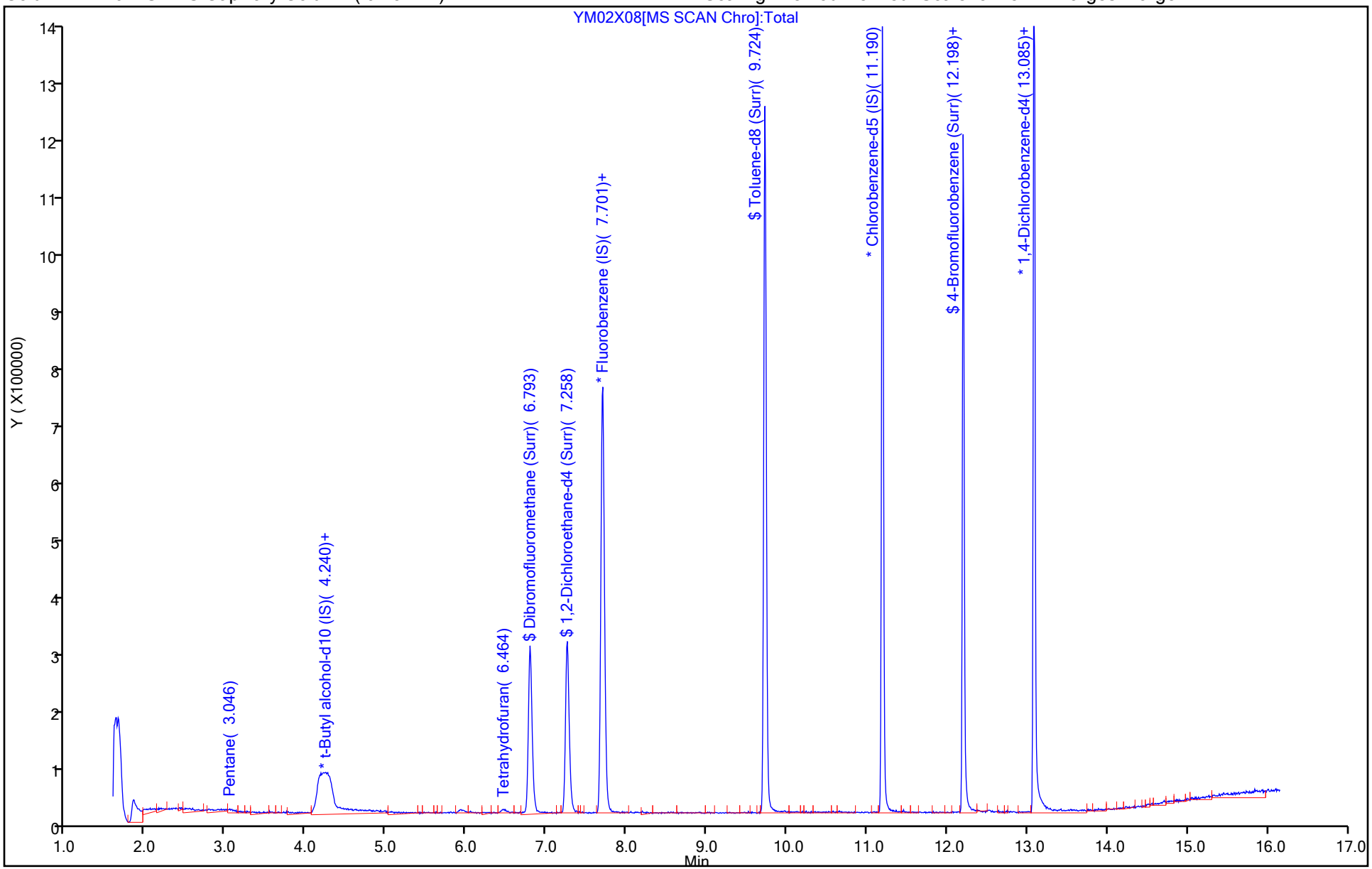
Report Date: 03-Mar-2023 07:54:38 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X08.D

Injection Date:	02-Mar-2023 12:19:30	Instrument ID:	9355	Operator ID:	clm27445
Lims ID:	MB			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
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\20230302-78093.b\YM02X08.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 02-Mar-2023 12:19:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-009
Misc. Info.: MB
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 03-Mar-2023 07:54:37 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 07:54:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	51.4	102.74
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	51.5	103.07
$ 79 Toluene-d8 (Surr)	50.0	50.7	101.36
$ 141 4-Bromofluorobenzene (Surr)	50.0	46.8	93.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-349446/5

Matrix: Water
Lab File ID: YM02X04.D

Analysis Method: 8260C
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 10:51

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.: 349446
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.4		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	19.0		1.0	0.30
75-34-3	1,1-Dichloroethane	18.2		1.0	0.30
75-35-4	1,1-Dichloroethene	18.2		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	18.3		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	18.8		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		5.0	0.30
106-93-4	1,2-Dibromoethane	19.3		1.0	0.20
95-50-1	1,2-Dichlorobenzene	18.1		5.0	0.20
107-06-2	1,2-Dichloroethane	18.3		1.0	0.30
78-87-5	1,2-Dichloropropane	18.7		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	18.9		5.0	0.30
541-73-1	1,3-Dichlorobenzene	18.6		5.0	0.68
106-46-7	1,4-Dichlorobenzene	19.8		5.0	0.30
78-93-3	2-Butanone	231		10	0.50
591-78-6	2-Hexanone	251		10	0.85
108-10-1	4-Methyl-2-pentanone	246		10	0.50
67-64-1	Acetone	244		20	0.70
71-43-2	Benzene	19.0		1.0	0.30
75-27-4	Bromodichloromethane	18.6		1.0	0.20
75-25-2	Bromoform	18.6		4.0	1.0
74-83-9	Bromomethane	14.5		1.0	0.30
75-15-0	Carbon disulfide	17.0		5.0	0.30
56-23-5	Carbon tetrachloride	18.4		1.0	0.30
108-90-7	Chlorobenzene	18.5		1.0	0.30
75-00-3	Chloroethane	16.2		1.0	0.20
67-66-3	Chloroform	18.4		1.0	0.30
74-87-3	Chloromethane	13.6		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	19.7		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.1		1.0	0.20
110-82-7	Cyclohexane	16.0		5.0	1.0
124-48-1	Dibromochloromethane	18.8		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-349446/5

Matrix: Water
Lab File ID: YM02X04.D

Analysis Method: 8260C
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 10:51

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.: 349446
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	11.2		1.0	0.20
100-41-4	Ethylbenzene	18.6		1.0	0.40
76-13-1	Freon 113	15.4		10	0.30
98-82-8	Isopropylbenzene	18.9		5.0	0.20
79-20-9	Methyl acetate	20.2		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	17.0		1.0	0.20
108-87-2	Methylcyclohexane	15.8		5.0	0.50
75-09-2	Methylene Chloride	19.0		1.0	0.30
100-42-5	Styrene	18.7		5.0	0.30
127-18-4	Tetrachloroethene	18.5		1.0	0.30
108-88-3	Toluene	18.8		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	18.3		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.4		1.0	0.20
79-01-6	Trichloroethene	18.5		1.0	0.30
75-69-4	Trichlorofluoromethane	12.4		1.0	0.20
75-01-4	Vinyl chloride	13.6		1.0	0.20
1330-20-7	Xylenes, Total	55.7		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)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\20230302-78093.b\YM02X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 02-Mar-2023 10:51:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-005
Misc. Info.: LCS
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 09:12:22 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: TQ4J Date: 02-Mar-2023 11:16:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.959	1.974	-0.015	99	164905	20.0	11.2	
4 Chloromethane	50	2.166	2.167	-0.001	99	215325	20.0	13.6	
5 Vinyl chloride	62	2.274	2.274	0.000	98	203395	20.0	13.6	
6 Butadiene	39	2.288	2.288	0.000	92	229959	20.0	17.2	
8 Bromomethane	94	2.610	2.617	-0.007	90	141081	20.0	14.5	
9 Chloroethane	64	2.681	2.689	-0.008	100	122228	20.0	16.2	
10 Dichlorofluoromethane	67	2.924	2.932	-0.008	97	327233	20.0	16.8	
11 Trichlorofluoromethane	101	2.989	3.003	-0.014	97	214611	20.0	12.4	
12 Pentane	43	3.010	3.010	0.000	97	207411	20.0	14.0	
14 Ethyl ether	59	3.218	3.218	0.000	95	125559	20.0	18.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.296	3.304	-0.008	92	180964	20.0	17.5	
16 Acrolein	56	3.382	3.382	0.000	100	529906	150.0	151.2	
17 1,1-Dichloroethene	96	3.525	3.525	0.000	97	132129	20.0	18.2	
18 Acetone	58	3.546	3.547	-0.001	100	455415	250.0	243.6	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.561	3.568	-0.007	91	143104	20.0	15.4	
20 Isopropyl alcohol	45	3.697	3.704	-0.007	95	195264	150.0	112.4	
21 Iodomethane	142	3.725	3.725	0.000	99	255250	20.0	17.2	
22 Carbon disulfide	76	3.840	3.840	0.000	99	461249	20.0	17.0	
24 Methyl acetate	43	3.961	3.969	-0.008	98	277291	20.0	20.2	
25 3-Chloro-1-propene	41	3.990	3.997	-0.007	90	216936	20.0	17.2	
26 Methylene Chloride	84	4.176	4.176	0.000	93	165032	20.0	19.0	
* 27 t-Butyl alcohol-d10 (IS)	65	4.226	4.233	-0.007	75	533237	250.0	250.0	
28 2-Methyl-2-propanol	59	4.297	4.333	-0.036	100	533381	200.0	166.8	
29 Acrylonitrile	53	4.490	4.490	0.000	99	626486	100.0	95.1	
30 Methyl tert-butyl ether	73	4.576	4.583	-0.007	96	491575	20.0	17.0	
32 trans-1,2-Dichloroethene	96	4.605	4.612	-0.007	98	141989	20.0	18.3	
33 Hexane	57	5.027	5.034	-0.007	95	173960	20.0	15.1	
34 1,1-Dichloroethane	63	5.255	5.256	-0.001	96	257273	20.0	18.2	
36 Isopropyl ether	45	5.313	5.320	-0.007	95	479080	20.0	17.9	
37 2-Chloro-1,3-butadiene	53	5.370	5.370	0.000	91	217243	20.0	17.8	
39 Tert-butyl ethyl ether	59	5.856	5.856	0.000	98	470658	20.0	17.3	

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	6.056	6.056	0.000	100	2302414	250.0	230.9	
41 cis-1,2-Dichloroethene	96	6.085	6.092	-0.007	83	170170	20.0	19.7	
42 2,2-Dichloropropane	77	6.113	6.114	-0.001	93	250609	20.0	18.5	
43 Propionitrile	54	6.128	6.128	0.000	98	451731	150.0	156.1	
47 Methacrylonitrile	67	6.349	6.350	-0.001	93	880915	150.0	144.4	
48 Chlorobromomethane	128	6.435	6.428	0.007	91	88373	20.0	19.3	
49 Tetrahydrofuran	71	6.457	6.457	0.000	91	259394	100.0	97.6	
50 Chloroform	83	6.571	6.571	0.000	93	263440	20.0	18.4	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.793	0.000	94	277937	50.0	50.6	
52 1,1,1-Trichloroethane	97	6.814	6.821	-0.007	98	249902	20.0	18.4	
53 Cyclohexane	56	6.929	6.936	-0.008	92	259104	20.0	16.0	
54 1,1-Dichloropropene	75	7.029	7.029	0.000	95	199189	20.0	19.0	
55 Carbon tetrachloride	117	7.036	7.036	0.000	87	208229	20.0	18.4	
56 Isobutyl alcohol	41	7.164	7.158	0.006	94	459809	500.0	447.1	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.257	7.250	0.007	82	70012	50.0	51.8	
58 Benzene	78	7.293	7.293	0.000	97	624235	20.0	19.0	
59 1,2-Dichloroethane	62	7.358	7.358	0.000	97	218214	20.0	18.3	
61 Tert-amyl methyl ether	73	7.479	7.486	-0.007	98	475262	20.0	18.0	
* 62 Fluorobenzene (IS)	96	7.694	7.694	0.000	98	1102309	50.0	50.0	
63 n-Heptane	43	7.715	7.715	0.000	93	194053	20.0	14.7	
65 n-Butanol	56	8.037	8.044	-0.007	90	758335	1000.0	907.3	
66 Trichloroethene	95	8.187	8.187	0.000	99	155923	20.0	18.5	
67 Methylcyclohexane	83	8.502	8.509	-0.007	93	255177	20.0	15.8	
68 1,2-Dichloropropane	63	8.516	8.516	0.000	72	167647	20.0	18.7	
69 2-ethoxy-2-methyl butane	87	8.523	8.523	0.000	91	216351	20.0	17.8	
70 Methyl methacrylate	69	8.595	8.595	-0.001	90	163166	20.0	18.5	
71 1,4-Dioxane	88	8.616	8.602	0.014	49	101064	500.0	439.9	
72 Dibromomethane	93	8.630	8.630	0.000	94	114384	20.0	19.4	
74 Dichlorobromomethane	83	8.859	8.859	0.000	99	200861	20.0	18.6	
75 2-Nitropropane	41	9.109	9.110	-0.001	98	77011	20.0	17.5	
76 2-Chloroethyl vinyl ether	63	9.224	9.224	0.000	91	112096	20.0	17.0	
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	95	241044	20.0	18.1	
78 4-Methyl-2-pentanone (MIBK)	43	9.567	9.567	0.000	97	4424977	250.0	245.6	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1092277	50.0	50.6	
80 Toluene	92	9.803	9.803	0.000	98	386279	20.0	18.8	
117 trans-1,3-Dichloropropene	75	10.053	10.053	0.000	93	228358	20.0	18.4	
119 Ethyl methacrylate	69	10.118	10.118	0.000	90	259561	20.0	18.1	
120 1,1,2-Trichloroethane	97	10.261	10.261	0.000	90	158397	20.0	19.0	
121 Tetrachloroethene	166	10.361	10.361	0.000	98	169752	20.0	18.5	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	91	254903	20.0	19.5	
124 2-Hexanone	43	10.468	10.468	0.000	97	3217285	250.0	250.7	
126 Chlorodibromomethane	129	10.647	10.647	0.000	90	163611	20.0	18.8	
127 Ethylene Dibromide	107	10.761	10.761	0.000	98	169469	20.0	19.3	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	844775	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	97	196845	20.0	16.7	
130 Chlorobenzene	112	11.219	11.219	0.000	94	437709	20.0	18.5	
132 1,1,1,2-Tetrachloroethane	131	11.297	11.298	-0.001	94	174313	20.0	19.0	
133 Ethylbenzene	91	11.304	11.305	-0.001	98	768831	20.0	18.6	
134 m-Xylene & p-Xylene	106	11.419	11.419	0.000	100	597408	40.0	37.4	
135 o-Xylene	106	11.748	11.748	0.000	97	306563	20.0	18.3	
136 Styrene	104	11.769	11.762	0.007	95	495938	20.0	18.7	
137 Bromoform	173	11.927	11.927	0.000	97	137300	20.0	18.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
138 Isopropylbenzene	105	12.048	12.048	0.000	96	830998	20.0	18.9	
140 Cyclohexanone	55	12.120	12.120	0.000	93	387320	500.0	430.6	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	92	423271	50.0	49.0	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	93	326560	20.0	19.2	
143 Bromobenzene	156	12.313	12.313	0.000	81	212064	20.0	19.6	
144 trans-1,4-Dichloro-2-butene	53	12.313	12.313	0.000	89	408106	100.0	83.0	
145 1,2,3-Trichloropropane	110	12.341	12.341	0.000	84	96016	20.0	19.0	
146 N-Propylbenzene	91	12.384	12.384	0.000	99	986822	20.0	19.8	
147 2-Chlorotoluene	126	12.456	12.456	0.000	96	201731	20.0	18.6	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	93	726489	20.0	18.9	
149 4-Chlorotoluene	126	12.549	12.549	0.000	98	198041	20.0	18.9	
151 tert-Butylbenzene	134	12.763	12.763	0.000	93	136892	20.0	18.4	
153 1,2,4-Trimethylbenzene	105	12.806	12.799	0.007	97	748640	20.0	18.8	
154 sec-Butylbenzene	105	12.928	12.928	0.000	94	936688	20.0	19.6	
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	98	407831	20.0	18.6	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	97	814442	20.0	19.2	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	520987	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.099	13.099	0.000	95	430607	20.0	19.8	
159 1,2,3-Trimethylbenzene	105	13.106	13.107	-0.001	98	794265	20.0	18.4	
160 Benzyl chloride	91	13.171	13.171	0.000	99	586242	20.0	18.4	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	95	487959	20.0	18.2	
162 p-Diethylbenzene	119	13.307	13.307	0.000	95	516678	20.0	18.5	
163 n-Butylbenzene	92	13.328	13.328	0.000	97	418293	20.0	18.8	
164 1,2-Dichlorobenzene	146	13.357	13.357	0.000	98	434732	20.0	18.1	
165 o-diethylbenzene	119	13.378	13.378	0.000	96	409677	20.0	17.8	
167 1,2-Dibromo-3-Chloropropane	75	13.907	13.900	0.007	86	93178	20.0	16.9	
168 1,3,5-Trichlorobenzene	180	14.036	14.036	0.000	98	363332	20.0	18.5	
169 1,2,4-Trichlorobenzene	180	14.458	14.458	0.000	95	352454	20.0	18.3	
170 Hexachlorobutadiene	225	14.544	14.544	0.000	96	152671	20.0	18.8	
171 Naphthalene	128	14.644	14.637	0.007	97	1204665	20.0	17.6	
172 1,2,3-Trichlorobenzene	180	14.787	14.780	0.007	96	362558	20.0	18.4	
173 2-Methylnaphthalene	142	15.423	15.416	0.007	92	561976	20.0	14.6	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_CYC_00003	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00103	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00100	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00131	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00098	Amount Added: 50.00	Units: uL	
MSV_LCS_EE_00004	Amount Added: 50.00	Units: uL	
MSV_HP20_ISSS_00097	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 02-Mar-2023 11:18:14 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X04.D

Injection Date: 02-Mar-2023 10:51:30 Instrument ID: 9355 Operator ID: clm27445

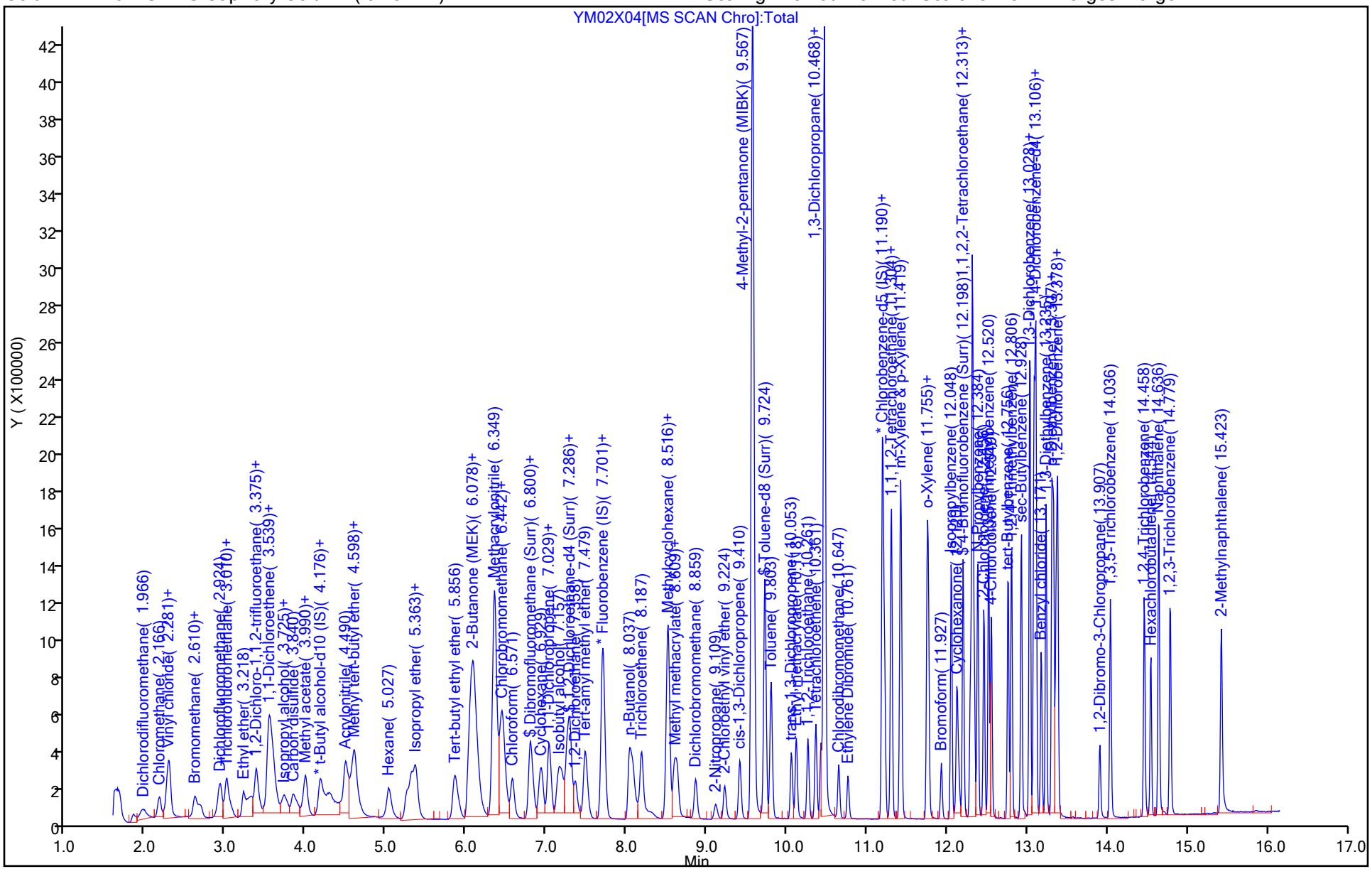
Lims ID: LCS Worklist Smp#: 5

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\20230302-78093.b\YM02X04.D				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	02-Mar-2023 10:51:30	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0078093-005				
Misc. Info.:	LCS				
Operator ID:	clm27445	Instrument ID:	9355		
Method:	\\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Mar-2023 09:12:22	Calib Date:	20-Feb-2023 18:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1616				
First Level Reviewer: TQ4J		Date:	02-Mar-2023 11:16:28		

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	50.6	101.27
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	51.8	103.55
$ 79 Toluene-d8 (Surr)	50.0	50.6	101.29
$ 141 4-Bromofluorobenzene (Surr)	50.0	49.0	98.00

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MS_022023 MS
Lab Sample ID: 410-115936-1 MS

Matrix: Water
Lab File ID: YM02X15.D

Analysis Method: 8260C
Date Collected: 02/16/2023 11:11

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 15:05

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.: 349446
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.1		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.3		1.0	0.30
75-34-3	1,1-Dichloroethane	19.4		1.0	0.30
75-35-4	1,1-Dichloroethene	20.2		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	18.7		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	19.9		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		5.0	0.30
106-93-4	1,2-Dibromoethane	19.4		1.0	0.20
95-50-1	1,2-Dichlorobenzene	19.4		5.0	0.20
107-06-2	1,2-Dichloroethane	19.3		1.0	0.30
78-87-5	1,2-Dichloropropane	19.7		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	20.1		5.0	0.30
541-73-1	1,3-Dichlorobenzene	19.8		5.0	0.68
106-46-7	1,4-Dichlorobenzene	20.8		5.0	0.30
78-93-3	2-Butanone	231		10	0.50
591-78-6	2-Hexanone	251		10	0.85
108-10-1	4-Methyl-2-pentanone	247		10	0.50
67-64-1	Acetone	251		20	0.70
71-43-2	Benzene	20.4		1.0	0.30
75-27-4	Bromodichloromethane	19.7		1.0	0.20
75-25-2	Bromoform	19.1		4.0	1.0
74-83-9	Bromomethane	16.1		1.0	0.30
75-15-0	Carbon disulfide	18.7		5.0	0.30
56-23-5	Carbon tetrachloride	20.3		1.0	0.30
108-90-7	Chlorobenzene	19.6		1.0	0.30
75-00-3	Chloroethane	17.5		1.0	0.20
67-66-3	Chloroform	19.9		1.0	0.30
74-87-3	Chloromethane	13.8		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	20.7		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.3		1.0	0.20
110-82-7	Cyclohexane	19.1		5.0	1.0
124-48-1	Dibromochloromethane	19.5		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MS_022023 MS
Lab Sample ID: 410-115936-1 MS

Matrix: Water
Lab File ID: YM02X15.D

Analysis Method: 8260C
Date Collected: 02/16/2023 11:11

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 15:05

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.: 349446
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	14.4		1.0	0.20
100-41-4	Ethylbenzene	19.8		1.0	0.40
76-13-1	Freon 113	19.3		10	0.30
98-82-8	Isopropylbenzene	20.1		5.0	0.20
79-20-9	Methyl acetate	21.8		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	16.9		1.0	0.20
108-87-2	Methylcyclohexane	19.4		5.0	0.50
75-09-2	Methylene Chloride	19.9		1.0	0.30
100-42-5	Styrene	19.7		5.0	0.30
127-18-4	Tetrachloroethene	20.5		1.0	0.30
108-88-3	Toluene	19.9		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	20.2		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.6		1.0	0.20
79-01-6	Trichloroethene	20.1		1.0	0.30
75-69-4	Trichlorofluoromethane	14.3		1.0	0.20
75-01-4	Vinyl chloride	15.4		1.0	0.20
1330-20-7	Xylenes, Total	58.8		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		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\20230302-78093.b\YM02X15.D
Lims ID: 410-115936-A-1 MS
Client ID: FBS010-MS_022023
Sample Type: MS
Inject. Date: 02-Mar-2023 15:05:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-016
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 19:17:03 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:51:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.974	1.974	0.000	99	211072	20.0	14.4	
4 Chloromethane	50	2.167	2.167	0.000	99	216517	20.0	13.8	
5 Vinyl chloride	62	2.274	2.274	0.000	98	228614	20.0	15.4	
6 Butadiene	39	2.288	2.288	0.000	94	286350	20.0	21.5	
8 Bromomethane	94	2.610	2.617	-0.007	90	155624	20.0	16.1	
9 Chloroethane	64	2.681	2.689	-0.008	100	131700	20.0	17.5	
10 Dichlorofluoromethane	67	2.925	2.932	-0.007	97	352245	20.0	18.2	
11 Trichlorofluoromethane	101	2.996	3.003	-0.007	97	247949	20.0	14.3	
12 Pentane	43	3.010	3.010	0.000	96	269207	20.0	18.3	
14 Ethyl ether	59	3.218	3.218	0.000	93	123497	20.0	18.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.296	3.304	-0.008	93	200142	20.0	19.4	
16 Acrolein	56	3.382	3.382	0.000	99	504570	150.0	150.0	
17 1,1-Dichloroethene	96	3.525	3.525	0.000	98	146052	20.0	20.2	
18 Acetone	58	3.539	3.547	-0.008	100	450914	250.0	251.4	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.568	3.568	0.000	92	178400	20.0	19.3	
20 Isopropyl alcohol	45	3.704	3.704	0.000	95	191342	150.0	114.8	
21 Iodomethane	142	3.725	3.725	0.000	98	272218	20.0	18.4	
22 Carbon disulfide	76	3.840	3.840	0.000	100	505182	20.0	18.7	
24 Methyl acetate	43	3.969	3.969	-0.001	97	297309	20.0	21.8	
25 3-Chloro-1-propene	41	3.997	3.997	0.000	90	228850	20.0	18.2	
26 Methylene Chloride	84	4.183	4.176	0.007	93	172381	20.0	19.9	
* 27 t-Butyl alcohol-d10 (IS)	65	4.247	4.233	0.014	75	511675	250.0	250.0	
28 2-Methyl-2-propanol	59	4.305	4.333	-0.028	99	584185	200.0	190.4	
29 Acrylonitrile	53	4.490	4.490	0.000	99	635163	100.0	96.8	
30 Methyl tert-butyl ether	73	4.576	4.583	-0.007	96	486076	20.0	16.9	
32 trans-1,2-Dichloroethene	96	4.605	4.612	-0.007	98	155889	20.0	20.2	
33 Hexane	57	5.034	5.034	0.000	95	219681	20.0	19.1	
34 1,1-Dichloroethane	63	5.256	5.256	0.000	96	273001	20.0	19.4	
36 Isopropyl ether	45	5.320	5.320	0.000	93	487117	20.0	18.3	
37 2-Chloro-1,3-butadiene	53	5.370	5.370	0.000	91	235295	20.0	19.3	
39 Tert-butyl ethyl ether	59	5.856	5.856	0.000	97	465677	20.0	17.2	
40 2-Butanone (MEK)	43	6.056	6.056	0.000	100	2291426	250.0	230.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 cis-1,2-Dichloroethene	96	6.085	6.092	-0.007	83	178304	20.0	20.7	
42 2,2-Dichloropropane	77	6.106	6.114	-0.008	89	269403	20.0	19.9	
43 Propionitrile	54	6.135	6.128	0.007	98	438893	150.0	158.1	
47 Methacrylonitrile	67	6.350	6.350	0.000	92	891308	150.0	146.7	
48 Chlorobromomethane	128	6.428	6.428	0.000	92	91968	20.0	20.1	
49 Tetrahydrofuran	71	6.457	6.457	0.000	92	239451	100.0	93.9	
50 Chloroform	83	6.578	6.571	0.007	94	283877	20.0	19.9	
$ 51 Dibromofluoromethane (Surr)	113	6.793	6.793	0.000	93	281570	50.0	51.5	
52 1,1,1-Trichloroethane	97	6.814	6.821	-0.007	98	272996	20.0	20.1	
53 Cyclohexane	56	6.936	6.936	0.000	92	307884	20.0	19.1	
54 1,1-Dichloropropene	75	7.029	7.029	0.000	96	216072	20.0	20.7	
55 Carbon tetrachloride	117	7.036	7.036	0.000	95	228745	20.0	20.3	
56 Isobutyl alcohol	41	7.158	7.158	0.000	94	431661	500.0	437.4	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.258	7.250	0.008	82	68267	50.0	50.7	
58 Benzene	78	7.293	7.293	0.000	97	664435	20.0	20.4	
59 1,2-Dichloroethane	62	7.358	7.358	0.000	97	228992	20.0	19.3	
61 Tert-amyl methyl ether	73	7.479	7.486	-0.007	97	468370	20.0	17.8	
* 62 Fluorobenzene (IS)	96	7.694	7.694	0.000	98	1097766	50.0	50.0	
63 n-Heptane	43	7.715	7.715	0.000	86	246624	20.0	18.7	
65 n-Butanol	56	8.037	8.044	-0.007	91	711945	1000.0	887.7	
66 Trichloroethene	95	8.180	8.187	-0.007	98	168944	20.0	20.1	
67 Methylcyclohexane	83	8.502	8.509	-0.007	94	312391	20.0	19.4	
68 1,2-Dichloropropane	63	8.516	8.516	0.000	73	175915	20.0	19.7	
69 2-ethoxy-2-methyl butane	87	8.523	8.523	0.000	91	215959	20.0	17.9	
70 Methyl methacrylate	69	8.595	8.595	0.000	91	163471	20.0	18.6	
71 1,4-Dioxane	88	8.609	8.602	0.007	49	97096	500.0	440.5	
72 Dibromomethane	93	8.623	8.630	-0.007	95	116545	20.0	19.8	
74 Dichlorobromomethane	83	8.859	8.859	0.000	99	212349	20.0	19.7	
75 2-Nitropropane	41	9.102	9.110	-0.008	99	74172	20.0	17.5	
76 2-Chloroethyl vinyl ether	63		9.224				20.0	ND	7
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	95	241920	20.0	18.3	
78 4-Methyl-2-pentanone (MIBK)	43	9.567	9.567	0.000	97	4435445	250.0	247.2	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1097619	50.0	50.9	
80 Toluene	92	9.803	9.803	0.000	98	408251	20.0	19.9	
117 trans-1,3-Dichloropropene	75	10.053	10.053	0.000	93	230755	20.0	18.6	
119 Ethyl methacrylate	69	10.118	10.118	0.000	90	255423	20.0	17.9	
120 1,1,2-Trichloroethane	97	10.261	10.261	0.000	91	160991	20.0	19.3	
121 Tetrachloroethene	166	10.361	10.361	0.000	98	187715	20.0	20.5	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	91	261500	20.0	20.0	
124 2-Hexanone	43	10.468	10.468	0.000	97	3216478	250.0	250.9	
126 Chlorodibromomethane	129	10.647	10.647	0.000	90	169706	20.0	19.5	
127 Ethylene Dibromide	107	10.761	10.761	0.000	99	169829	20.0	19.4	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	85	843875	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	96	215021	20.0	18.2	
130 Chlorobenzene	112	11.219	11.219	0.000	94	462329	20.0	19.6	
132 1,1,1,2-Tetrachloroethane	131	11.298	11.298	0.000	95	183073	20.0	20.0	
133 Ethylbenzene	91	11.305	11.305	0.000	98	818397	20.0	19.8	
134 m-Xylene & p-Xylene	106	11.419	11.419	0.000	100	631255	40.0	39.6	
135 o-Xylene	106	11.748	11.748	0.000	96	322063	20.0	19.2	
136 Styrene	104	11.762	11.762	0.000	94	522974	20.0	19.7	
137 Bromoform	173	11.927	11.927	0.000	98	140684	20.0	19.1	
138 Isopropylbenzene	105	12.048	12.048	0.000	96	879292	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
140 Cyclohexanone	55	12.120	12.120	0.000	93	290109	500.0	336.1	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	92	417879	50.0	48.4	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	94	331494	20.0	19.6	
143 Bromobenzene	156	12.313	12.313	0.000	84	222392	20.0	20.6	
144 trans-1,4-Dichloro-2-butene	53	12.313	12.313	0.000	88	405974	100.0	82.9	
145 1,2,3-Trichloropropane	110	12.334	12.341	-0.007	82	97108	20.0	19.3	
146 N-Propylbenzene	91	12.377	12.384	-0.007	99	1056639	20.0	21.3	
147 2-Chlorotoluene	126	12.456	12.456	0.000	97	212093	20.0	19.7	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	93	769901	20.0	20.1	
149 4-Chlorotoluene	126	12.549	12.549	0.000	98	208745	20.0	20.0	
151 tert-Butylbenzene	134	12.763	12.763	0.000	93	144273	20.0	19.5	
153 1,2,4-Trimethylbenzene	105	12.806	12.799	0.007	98	788759	20.0	19.9	
154 sec-Butylbenzene	105	12.928	12.928	0.000	94	1002384	20.0	21.0	
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	98	433133	20.0	19.8	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	97	871876	20.0	20.6	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	518683	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.099	13.099	0.000	95	449981	20.0	20.8	
159 1,2,3-Trimethylbenzene	105	13.107	13.107	0.000	99	826842	20.0	19.3	
160 Benzyl chloride	91	13.171	13.171	0.000	99	598450	20.0	18.8	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	95	516317	20.0	19.3	
162 p-Diethylbenzene	119	13.307	13.307	0.000	94	557076	20.0	20.1	
163 n-Butylbenzene	92	13.328	13.328	0.000	97	456119	20.0	20.6	
164 1,2-Dichlorobenzene	146	13.357	13.357	0.000	98	462450	20.0	19.4	
165 o-diethylbenzene	119	13.378	13.378	0.000	95	433618	20.0	18.9	
167 1,2-Dibromo-3-Chloropropane	75	13.907	13.900	0.007	86	92499	20.0	16.9	
168 1,3,5-Trichlorobenzene	180	14.036	14.036	0.000	98	374622	20.0	19.1	
169 1,2,4-Trichlorobenzene	180	14.458	14.458	0.000	94	358864	20.0	18.7	
170 Hexachlorobutadiene	225	14.544	14.544	0.000	96	163916	20.0	20.2	
171 Naphthalene	128	14.644	14.637	0.007	97	1173668	20.0	17.2	
172 1,2,3-Trichlorobenzene	180	14.787	14.780	0.007	95	357453	20.0	18.2	
173 2-Methylnaphthalene	142	15.423	15.416	0.007	92	502383	20.0	13.1	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_LCS_VOC#1_00098	Amount Added: 21.50	Units: uL	
MSV_LCS_Gases_00131	Amount Added: 21.50	Units: uL	
MSV_LCS_ACROL_00100	Amount Added: 21.50	Units: uL	
MSV_LCS_2CEVE_00103	Amount Added: 21.50	Units: uL	
MSV_LCS_CYC_00003	Amount Added: 21.50	Units: uL	
MSV_LCS_EE_00004	Amount Added: 21.50	Units: uL	
MSV_HP20_ISSS_00097	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2023 10:51:37 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X15.D

Injection Date: 02-Mar-2023 15:05:30 Instrument ID: 9355 Operator ID: clm27445

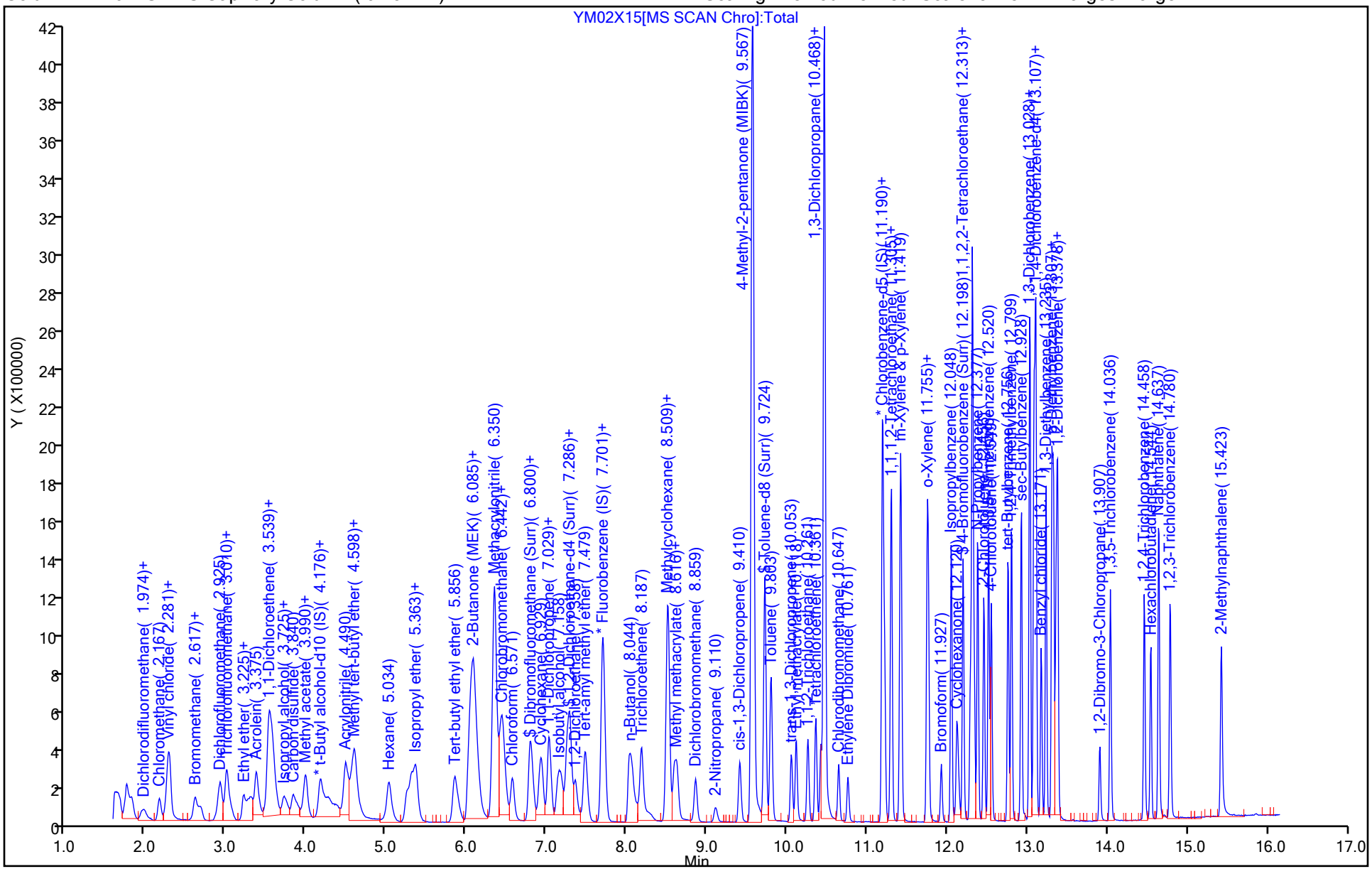
Lims ID: 410-115936-A-1 MS Worklist Smp#: 16

Client ID: FBS010-MS_022023

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X15.D
Lims ID: 410-115936-A-1 MS
Client ID: FBS010-MS_022023
Sample Type: MS
Inject. Date: 02-Mar-2023 15:05:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-016
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 19:17:03 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:51:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	51.5	103.02
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	50.7	101.39
$ 79 Toluene-d8 (Surr)	50.0	50.9	101.89
$ 141 4-Bromofluorobenzene (Surr)	50.0	48.4	96.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MSD_022023 MSD
Lab Sample ID: 410-115936-1 MSD

Matrix: Water
Lab File ID: YM02X16.D

Analysis Method: 8260C
Date Collected: 02/16/2023 11:11

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 15:28

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.: 349446
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.2		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.2		1.0	0.30
75-34-3	1,1-Dichloroethane	19.6		1.0	0.30
75-35-4	1,1-Dichloroethene	20.2		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	19.4		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	19.9		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		5.0	0.30
106-93-4	1,2-Dibromoethane	19.9		1.0	0.20
95-50-1	1,2-Dichlorobenzene	19.4		5.0	0.20
107-06-2	1,2-Dichloroethane	18.9		1.0	0.30
78-87-5	1,2-Dichloropropane	19.8		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	20.3		5.0	0.30
541-73-1	1,3-Dichlorobenzene	19.7		5.0	0.68
106-46-7	1,4-Dichlorobenzene	20.5		5.0	0.30
78-93-3	2-Butanone	230		10	0.50
591-78-6	2-Hexanone	250		10	0.85
108-10-1	4-Methyl-2-pentanone	246		10	0.50
67-64-1	Acetone	246		20	0.70
71-43-2	Benzene	20.3		1.0	0.30
75-27-4	Bromodichloromethane	19.6		1.0	0.20
75-25-2	Bromoform	19.0		4.0	1.0
74-83-9	Bromomethane	16.6		1.0	0.30
75-15-0	Carbon disulfide	18.5		5.0	0.30
56-23-5	Carbon tetrachloride	20.6		1.0	0.30
108-90-7	Chlorobenzene	19.8		1.0	0.30
75-00-3	Chloroethane	18.0		1.0	0.20
67-66-3	Chloroform	19.5		1.0	0.30
74-87-3	Chloromethane	15.0		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	20.8		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.2		1.0	0.20
110-82-7	Cyclohexane	19.2		5.0	1.0
124-48-1	Dibromochloromethane	19.5		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MSD_022023 MSD
Lab Sample ID: 410-115936-1 MSD

Matrix: Water
Lab File ID: YM02X16.D

Analysis Method: 8260C
Date Collected: 02/16/2023 11:11

Sample wt/vol: 5(mL)
Date Analyzed: 03/02/2023 15:28

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.: 349446
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	14.7		1.0	0.20
100-41-4	Ethylbenzene	19.8		1.0	0.40
76-13-1	Freon 113	19.2		10	0.30
98-82-8	Isopropylbenzene	20.2		5.0	0.20
79-20-9	Methyl acetate	17.2		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	17.1		1.0	0.20
108-87-2	Methylcyclohexane	19.6		5.0	0.50
75-09-2	Methylene Chloride	19.6		1.0	0.30
100-42-5	Styrene	19.6		5.0	0.30
127-18-4	Tetrachloroethene	20.5		1.0	0.30
108-88-3	Toluene	20.0		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	19.9		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.6		1.0	0.20
79-01-6	Trichloroethene	20.0		1.0	0.30
75-69-4	Trichlorofluoromethane	14.8		1.0	0.20
75-01-4	Vinyl chloride	15.9		1.0	0.20
1330-20-7	Xylenes, Total	58.8		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\20230302-78093.b\YM02X16.D
Lims ID: 410-115936-A-1 MSD
Client ID: FBS010-MSD_022023
Sample Type: MSD
Inject. Date: 02-Mar-2023 15:28:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0078093-017
Operator ID: clm27445 Instrument ID: 9355

Method: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m
Limit Group: MSV - 8260C_D
Last Update: 02-Mar-2023 19:17:03 Calib Date: 20-Feb-2023 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:51:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.945	1.974	-0.029	99	214076	20.0	14.7	
4 Chloromethane	50	2.152	2.167	-0.015	99	234009	20.0	15.0	
5 Vinyl chloride	62	2.267	2.274	-0.007	98	234932	20.0	15.9	
6 Butadiene	39	2.281	2.288	-0.007	93	282669	20.0	21.4	
8 Bromomethane	94	2.603	2.617	-0.014	91	159815	20.0	16.6	
9 Chloroethane	64	2.674	2.689	-0.015	100	134307	20.0	18.0	
10 Dichlorofluoromethane	67	2.917	2.932	-0.015	97	360194	20.0	18.7	
11 Trichlorofluoromethane	101	2.996	3.003	-0.007	58	254118	20.0	14.8	
12 Pentane	43	3.003	3.010	-0.007	97	260987	20.0	17.9	
14 Ethyl ether	59	3.210	3.218	-0.008	93	122905	20.0	18.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.282	3.304	-0.022	94	204839	20.0	20.0	
16 Acrolein	56	3.368	3.382	-0.014	98	510651	150.0	149.8	
17 1,1-Dichloroethene	96	3.511	3.525	-0.014	97	144848	20.0	20.2	
18 Acetone	58	3.539	3.547	-0.008	100	447909	250.0	246.4	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.561	3.568	-0.007	90	176849	20.0	19.2	
20 Isopropyl alcohol	45	3.697	3.704	-0.007	49	179980	150.0	106.5	
21 Iodomethane	142	3.718	3.725	-0.007	98	268399	20.0	18.3	
22 Carbon disulfide	76	3.825	3.840	-0.015	99	497126	20.0	18.5	
24 Methyl acetate	43	3.961	3.969	-0.008	98	233535	20.0	17.2	
25 3-Chloro-1-propene	41	3.990	3.997	-0.007	90	230588	20.0	18.5	
26 Methylene Chloride	84	4.169	4.176	-0.007	93	168300	20.0	19.6	
* 27 t-Butyl alcohol-d10 (IS)	65	4.262	4.233	0.029	74	518572	250.0	250.0	
28 2-Methyl-2-propanol	59	4.290	4.333	-0.043	98	643484	200.0	206.9	
29 Acrylonitrile	53	4.483	4.490	-0.007	99	618500	100.0	95.0	
30 Methyl tert-butyl ether	73	4.576	4.583	-0.007	96	486775	20.0	17.1	
32 trans-1,2-Dichloroethene	96	4.605	4.612	-0.007	99	152627	20.0	19.9	
33 Hexane	57	5.027	5.034	-0.007	95	223855	20.0	19.7	
34 1,1-Dichloroethane	63	5.248	5.256	-0.008	96	274744	20.0	19.6	
36 Isopropyl ether	45	5.313	5.320	-0.007	93	496112	20.0	18.8	
37 2-Chloro-1,3-butadiene	53	5.363	5.370	-0.007	92	233028	20.0	19.3	
39 Tert-butyl ethyl ether	59	5.849	5.856	-0.007	97	471208	20.0	17.6	
40 2-Butanone (MEK)	43	6.049	6.056	-0.007	100	2262879	250.0	229.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 cis-1,2-Dichloroethene	96	6.085	6.092	-0.007	83	178047	20.0	20.8	
42 2,2-Dichloropropane	77	6.113	6.114	-0.001	93	270762	20.0	20.2	
43 Propionitrile	54	6.121	6.128	-0.007	98	455444	150.0	161.9	
47 Methacrylonitrile	67	6.342	6.350	-0.008	92	879466	150.0	145.8	
48 Chlorobromomethane	128	6.421	6.428	-0.007	92	89896	20.0	19.8	
49 Tetrahydrofuran	71	6.449	6.457	-0.008	89	244068	100.0	94.4	
50 Chloroform	83	6.571	6.571	0.000	93	276384	20.0	19.5	
$ 51 Dibromofluoromethane (Surr)	113	6.786	6.793	-0.007	94	272770	50.0	50.3	
52 1,1,1-Trichloroethane	97	6.807	6.821	-0.014	98	272011	20.0	20.2	
53 Cyclohexane	56	6.929	6.936	-0.007	92	308081	20.0	19.2	
54 1,1-Dichloropropene	75	7.029	7.029	0.000	95	217680	20.0	21.0	
55 Carbon tetrachloride	117	7.036	7.036	0.000	97	231023	20.0	20.6	
56 Isobutyl alcohol	41	7.157	7.158	-0.001	95	433457	500.0	433.4	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.250	7.250	0.000	83	67665	50.0	50.6	
58 Benzene	78	7.286	7.293	-0.007	98	657417	20.0	20.3	
59 1,2-Dichloroethane	62	7.358	7.358	0.000	97	222114	20.0	18.9	
61 Tert-amyl methyl ether	73	7.479	7.486	-0.007	97	473669	20.0	18.2	
* 62 Fluorobenzene (IS)	96	7.694	7.694	0.000	98	1089544	50.0	50.0	
63 n-Heptane	43	7.715	7.715	0.000	93	243880	20.0	18.6	
65 n-Butanol	56	8.037	8.044	-0.007	91	722819	1000.0	889.3	
66 Trichloroethene	95	8.180	8.187	-0.007	98	167089	20.0	20.0	
67 Methylcyclohexane	83	8.502	8.509	-0.007	97	312137	20.0	19.6	
68 1,2-Dichloropropane	63	8.509	8.516	-0.007	86	175877	20.0	19.8	
69 2-ethoxy-2-methyl butane	87	8.523	8.523	0.000	91	219181	20.0	18.3	
70 Methyl methacrylate	69	8.595	8.595	0.000	90	159763	20.0	18.3	
71 1,4-Dioxane	88	8.602	8.602	0.000	53	98246	500.0	439.7	
72 Dibromomethane	93	8.623	8.630	-0.007	95	114961	20.0	19.7	
74 Dichlorobromomethane	83	8.859	8.859	0.000	99	209634	20.0	19.6	
75 2-Nitropropane	41	9.109	9.110	-0.001	98	76714	20.0	17.9	
76 2-Chloroethyl vinyl ether	63		9.224				20.0	ND	7
77 cis-1,3-Dichloropropene	75	9.410	9.410	0.000	95	239201	20.0	18.2	
78 4-Methyl-2-pentanone (MIBK)	43	9.567	9.567	0.000	97	4387918	250.0	246.4	
$ 79 Toluene-d8 (Surr)	98	9.724	9.724	0.000	94	1085878	50.0	50.7	
80 Toluene	92	9.803	9.803	0.000	98	406981	20.0	20.0	
117 trans-1,3-Dichloropropene	75	10.053	10.053	0.000	93	229828	20.0	18.6	
119 Ethyl methacrylate	69	10.118	10.118	0.000	90	259059	20.0	18.2	
120 1,1,2-Trichloroethane	97	10.261	10.261	0.000	91	158372	20.0	19.2	
121 Tetrachloroethene	166	10.361	10.361	0.000	98	186328	20.0	20.5	
122 1,3-Dichloropropane	76	10.425	10.425	0.000	93	258677	20.0	19.9	
124 2-Hexanone	43	10.468	10.468	0.000	97	3185588	250.0	250.1	
126 Chlorodibromomethane	129	10.647	10.647	0.000	90	168053	20.0	19.5	
127 Ethylene Dibromide	107	10.761	10.761	0.000	98	173207	20.0	19.9	
* 128 Chlorobenzene-d5 (IS)	117	11.190	11.190	0.000	86	838273	50.0	50.0	
129 1-Chlorohexane	91	11.197	11.197	0.000	97	214619	20.0	18.3	
130 Chlorobenzene	112	11.219	11.219	0.000	94	464850	20.0	19.8	
132 1,1,1,2-Tetrachloroethane	131	11.297	11.298	-0.001	94	180894	20.0	19.9	
133 Ethylbenzene	91	11.304	11.305	-0.001	98	811075	20.0	19.8	
134 m-Xylene & p-Xylene	106	11.419	11.419	0.000	100	627912	40.0	39.6	
135 o-Xylene	106	11.748	11.748	0.000	96	320155	20.0	19.2	
136 Styrene	104	11.762	11.762	0.000	95	516740	20.0	19.6	
137 Bromoform	173	11.927	11.927	0.000	97	138883	20.0	19.0	
138 Isopropylbenzene	105	12.048	12.048	0.000	96	880084	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
140 Cyclohexanone	55	12.120	12.120	0.000	93	290200	500.0	331.7	
$ 141 4-Bromofluorobenzene (Surr)	95	12.198	12.198	0.000	91	417031	50.0	48.7	
142 1,1,2,2-Tetrachloroethane	83	12.291	12.291	0.000	93	327511	20.0	19.5	
143 Bromobenzene	156	12.313	12.313	0.000	83	218089	20.0	20.4	
144 trans-1,4-Dichloro-2-butene	53	12.313	12.313	0.000	90	409198	100.0	84.3	
145 1,2,3-Trichloropropane	110	12.334	12.341	-0.007	82	94987	20.0	19.0	
146 N-Propylbenzene	91	12.377	12.384	-0.007	99	1038029	20.0	21.1	
147 2-Chlorotoluene	126	12.456	12.456	0.000	97	212871	20.0	19.9	
148 1,3,5-Trimethylbenzene	105	12.520	12.520	0.000	93	768520	20.0	20.3	
149 4-Chlorotoluene	126	12.549	12.549	0.000	98	210828	20.0	20.3	
151 tert-Butylbenzene	134	12.763	12.763	0.000	93	145963	20.0	19.9	
153 1,2,4-Trimethylbenzene	105	12.806	12.799	0.007	98	782515	20.0	19.9	
154 sec-Butylbenzene	105	12.928	12.928	0.000	94	1008326	20.0	21.3	
155 1,3-Dichlorobenzene	146	13.028	13.028	0.000	98	427287	20.0	19.7	
156 4-Isopropyltoluene	119	13.035	13.035	0.000	97	867822	20.0	20.7	
* 157 1,4-Dichlorobenzene-d4	152	13.085	13.085	0.000	95	514476	50.0	50.0	
158 1,4-Dichlorobenzene	146	13.099	13.099	0.000	94	440187	20.0	20.5	
159 1,2,3-Trimethylbenzene	105	13.106	13.107	-0.001	99	834398	20.0	19.6	
160 Benzyl chloride	91	13.171	13.171	0.000	99	591487	20.0	18.8	
161 1,3-Diethylbenzene	119	13.235	13.235	0.000	95	521569	20.0	19.7	
162 p-Diethylbenzene	119	13.307	13.307	0.000	96	552806	20.0	20.1	
163 n-Butylbenzene	92	13.328	13.328	0.000	94	447976	20.0	20.4	
164 1,2-Dichlorobenzene	146	13.357	13.357	0.000	99	460429	20.0	19.4	
165 o-diethylbenzene	119	13.378	13.378	0.000	95	437378	20.0	19.2	
167 1,2-Dibromo-3-Chloropropane	75	13.900	13.900	0.000	84	92888	20.0	17.1	
168 1,3,5-Trichlorobenzene	180	14.036	14.036	0.000	98	382354	20.0	19.7	
169 1,2,4-Trichlorobenzene	180	14.458	14.458	0.000	94	369535	20.0	19.4	
170 Hexachlorobutadiene	225	14.544	14.544	0.000	97	169197	20.0	21.1	
171 Naphthalene	128	14.637	14.637	-0.001	97	1203386	20.0	17.8	
172 1,2,3-Trichlorobenzene	180	14.787	14.780	0.007	96	373478	20.0	19.2	
173 2-Methylnaphthalene	142	15.423	15.416	0.007	92	565759	20.0	14.9	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_LCS_EE_00004	Amount Added: 21.50	Units: uL	
MSV_LCS_VOC#1_00098	Amount Added: 21.50	Units: uL	
MSV_LCS_Gases_00131	Amount Added: 21.50	Units: uL	
MSV_LCS_ACROL_00100	Amount Added: 21.50	Units: uL	
MSV_LCS_2CEVE_00103	Amount Added: 21.50	Units: uL	
MSV_LCS_CYC_00003	Amount Added: 21.50	Units: uL	
MSV_HP20_ISSS_00097	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2023 10:51:42 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X16.D

Injection Date: 02-Mar-2023 15:28:30 Instrument ID: 9355 Operator ID: clm27445

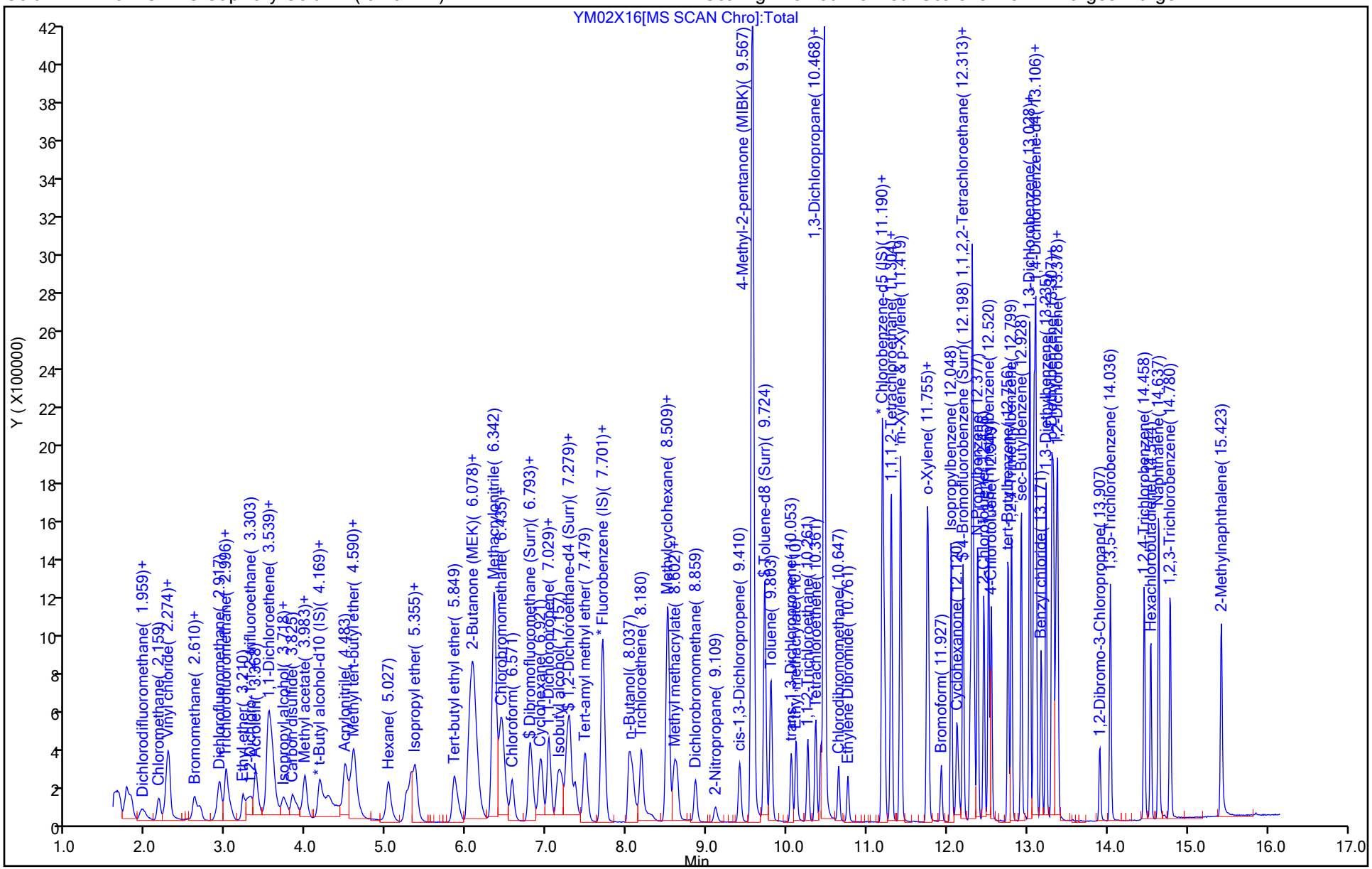
Lims ID: 410-115936-A-1 MSD Worklist Smp#: 17

Client ID: FBS010-MSD_022023

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9355\20230302-78093.b\YM02X16.D				
Lims ID:	410-115936-A-1 MSD				
Client ID:	FBS010-MSD_022023				
Sample Type:	MSD				
Inject. Date:	02-Mar-2023 15:28:30	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0078093-017				
Operator ID:	clm27445	Instrument ID:	9355		
Method:	\\chromfs\Lancaster\ChromData\9355\20230302-78093.b\MSVoa_9355.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Mar-2023 19:17:03	Calib Date:	20-Feb-2023 18:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9355\20230220-77389.b\YF17I17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1601				

First Level Reviewer: kaewrungrueangp Date: 03-Mar-2023 10:51:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	50.3	100.55
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	50.6	101.25
$ 79 Toluene-d8 (Surr)	50.0	50.7	101.47
$ 141 4-Bromofluorobenzene (Surr)	50.0	48.7	97.30

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Instrument ID: 9355 Start Date: 02/20/2023 15:44

Analysis Batch Number: 346157 End Date: 02/20/2023 19:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-346157/1		02/20/2023 15:44	1	YF17TA1.D	R-624SilMS 30m 0.25(mm)
IC 410-346157/12		02/20/2023 16:20	1	YF17I11.D	R-624SilMS 30m 0.25(mm)
IC 410-346157/13		02/20/2023 16:42	1	YF17I12.D	R-624SilMS 30m 0.25(mm)
IC 410-346157/14		02/20/2023 17:04	1	YF17I13.D	R-624SilMS 30m 0.25(mm)
IC 410-346157/15		02/20/2023 17:26	1	YF17I14.D	R-624SilMS 30m 0.25(mm)
ICIS 410-346157/16		02/20/2023 17:48	1	YF17I15.D	R-624SilMS 30m 0.25(mm)
IC 410-346157/17		02/20/2023 18:10	1	YF17I16.D	R-624SilMS 30m 0.25(mm)
IC 410-346157/18		02/20/2023 18:32	1	YF17I17.D	R-624SilMS 30m 0.25(mm)
ICV 410-346157/20		02/20/2023 19:16	1	YF17V11.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Instrument ID: 9355 Start Date: 03/02/2023 09:22

Analysis Batch Number: 349446 End Date: 03/02/2023 20:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-349446/1		03/02/2023 09:22	1	YM02T02.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-349446/3		03/02/2023 10:07	1	YM02X02.D	R-624SilMS 30m 0.25(mm)
CCV 410-349446/4		03/02/2023 10:29	1		R-624SilMS 30m 0.25(mm)
LCS 410-349446/5		03/02/2023 10:51	1	YM02X04.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 11:13	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 11:35	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 11:57	1		R-624SilMS 30m 0.25(mm)
MB 410-349446/9		03/02/2023 12:19	1	YM02X08.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 12:53	1		R-624SilMS 30m 0.25(mm)
410-115936-4	FB-01_022023	03/02/2023 13:15	1	YM02X10.D	R-624SilMS 30m 0.25(mm)
410-115936-5	Trip Blank_022023	03/02/2023 13:38	1	YM02X11.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 14:00	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 14:22	1		R-624SilMS 30m 0.25(mm)
410-115936-1	FBS010_022023	03/02/2023 14:44	1	YM02X14.D	R-624SilMS 30m 0.25(mm)
410-115936-1 MS	FBS010-MS_022023 MS	03/02/2023 15:05	1	YM02X15.D	R-624SilMS 30m 0.25(mm)
410-115936-1 MSD	FBS010-MSD_022023 MSD	03/02/2023 15:28	1	YM02X16.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 15:49	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 16:11	1		R-624SilMS 30m 0.25(mm)
410-115936-2	Dup-01_022023	03/02/2023 16:33	1	YM02X19.D	R-624SilMS 30m 0.25(mm)
410-115936-3	FBW001_022023	03/02/2023 16:55	1	YM02X20.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 17:17	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 17:39	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 18:01	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 18:23	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 18:46	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 19:08	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 19:30	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 19:52	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 20:14	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 20:36	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/02/2023 20:58	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-115936-1

SDG No.:

Batch Number: 346157 | Batch Start Date: 02/20/23 15:44 | 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 00523	MSV_CCV_2CEVE 00107	MSV_CCV_CYC 00005
BFB 410-346157/1		8260C		1 uL	1 uL				
IC 410-346157/12		8260C		5 mL	5 mL	2672	12.5 mL		
IC 410-346157/13		8260C		5 mL	5 mL	2672		4 uL	32 uL
IC 410-346157/14		8260C		5 mL	5 mL	2672		2 uL	8 uL
IC 410-346157/15		8260C		5 mL	5 mL	2672		4 uL	16 uL
ICIS 410-346157/16		8260C		5 mL	5 mL	2672		5 uL	10 uL
IC 410-346157/17		8260C		5 mL	5 mL	2672		5 uL	10 uL
IC 410-346157/18		8260C		5 mL	5 mL	2672		15 uL	30 uL
ICV 410-346157/20		8260C		5 mL	5 mL	2672			

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_EE 00004	MSV_CCV_GASES 00394	MSV_CCV_VOC#1 00111	MSV_CCV_VOC#3 00112	MSV_HP20_ISSS 00096	MSV_LCS_2CEVE 00101
BFB 410-346157/1		8260C							
IC 410-346157/12		8260C						1 uL	
IC 410-346157/13		8260C		4 uL	2 uL	4 uL	3.2 uL	1 uL	
IC 410-346157/14		8260C		2 uL	1 uL	2 uL	1.6 uL	1 uL	
IC 410-346157/15		8260C		4 uL	2 uL	4 uL	3.2 uL	1 uL	
ICIS 410-346157/16		8260C		5 uL	2.5 uL	5 uL	4 uL	1 uL	
IC 410-346157/17		8260C		5 uL	2.5 uL	5 uL	4 uL	1 uL	
IC 410-346157/18		8260C		15 uL	7.5 uL	15 uL	12 uL	1 uL	
ICV 410-346157/20		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 Laboratories Job No.: 410-115936-1

SDG No.:

Batch Number: 346157 Batch Start Date: 02/20/23 15:44 Batch Analyst: Mellinger, Corie M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_ACROL 00098	MSV_LCS_CYC 00003	MSV_LCS_EE 00004	MSV_LCS_Gases 00129	MSV_LCS_VOC#1 00096	MSV_V_BFB 00011
BFB 410-346157/1		8260C							1 uL
IC 410-346157/12		8260C							
IC 410-346157/13		8260C							
IC 410-346157/14		8260C							
IC 410-346157/15		8260C							
ICIS 410-346157/16		8260C							
IC 410-346157/17		8260C							
IC 410-346157/18		8260C							
ICV 410-346157/20		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 Laboratories | Job No.: 410-115936-1

SDG No.:

Batch Number: 349446 | Batch Start Date: 03/02/23 09:22 | 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 410-349446/1		8260C		1 uL	1 uL				
CCVIS 410-349446/3		8260C		5 mL	5 mL				2672
LCS 410-349446/5		8260C		5 mL	5 mL				2672
MB 410-349446/9		8260C		5 mL	5 mL				2672
410-115936-A-4	FB-01_022023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-115936-A-5	Trip Blank_022023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-115936-A-1	FBS010_022023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-115936-A-1 MS	FBS010-MS_022023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-115936-A-1 MSD	FBS010-MSD_022023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-115936-A-2	Dup-01_022023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-115936-A-3	FBW001_022023	8260C	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_2CEVE 00109	MSV_CCV_CYC 00005	MSV_CCV_EE 00004	MSV_CCV_GASES 00406	MSV_CCV_VOC#1 00113	MSV_CCV_VOC#3 00114
BFB 410-349446/1		8260C							
CCVIS 410-349446/3		8260C		5 uL	10 uL	5 uL	2.5 uL	5 uL	4 uL
LCS 410-349446/5		8260C							
MB 410-349446/9		8260C							
410-115936-A-4	FB-01_022023	8260C	T						
410-115936-A-5	Trip Blank_022023	8260C	T						
410-115936-A-1	FBS010_022023	8260C	T						
410-115936-A-1 MS	FBS010-MS_022023	8260C	T						
410-115936-A-1 MSD	FBS010-MSD_022023	8260C	T						
410-115936-A-2	Dup-01_022023	8260C	T						
410-115936-A-3	FBW001_022023	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 Laboratories Job No.: 410-115936-1

SDG No.:

Batch Number: 349446 Batch Start Date: 03/02/23 09:22 Batch Analyst: Mellinger, Corie M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_HP20_ISSS 00097	MSV_LCS_2CEVE 00103	MSV_LCS_ACROL 00100	MSV_LCS_CYC 00003	MSV_LCS_EE 00004	MSV_LCS_Gases 00131
BFB 410-349446/1		8260C							
CCVIS 410-349446/3		8260C		1 uL					
LCS 410-349446/5		8260C		1 uL	50 uL	50 uL	50 uL	50 uL	50 uL
MB 410-349446/9		8260C		1 uL					
410-115936-A-4	FB-01_022023	8260C	T	1 uL					
410-115936-A-5	Trip Blank_022023	8260C	T	1 uL					
410-115936-A-1	FBS010_022023	8260C	T	1 uL					
410-115936-A-1 MS	FBS010-MS_022023	8260C	T	1 uL	21.5 uL	21.5 uL	21.5 uL	21.5 uL	21.5 uL
410-115936-A-1 MSD	FBS010-MSD_022023	8260C	T	1 uL	21.5 uL	21.5 uL	21.5 uL	21.5 uL	21.5 uL
410-115936-A-2	Dup-01_022023	8260C	T	1 uL					
410-115936-A-3	FBW001_022023	8260C	T	1 uL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_VOC#1 00098	MSV_V_BFB 00011				
BFB 410-349446/1		8260C			1 uL				
CCVIS 410-349446/3		8260C							
LCS 410-349446/5		8260C		50 uL					
MB 410-349446/9		8260C							
410-115936-A-4	FB-01_022023	8260C	T						
410-115936-A-5	Trip Blank_022023	8260C	T						
410-115936-A-1	FBS010_022023	8260C	T						
410-115936-A-1 MS	FBS010-MS_022023	8260C	T	21.5 uL					
410-115936-A-1 MSD	FBS010-MSD_022023	8260C	T	21.5 uL					
410-115936-A-2	Dup-01_022023	8260C	T						
410-115936-A-3	FBW001_022023	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 Laboratories | Job No.: 410-115936-1

SDG No.:

Batch Number: 349446 | Batch Start Date: 03/02/23 09:22 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260C | Batch End Date:

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 En Job No.: 410-115936-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 30m 0 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
FBS010_022023	410-115936-1	39 cn	26 cn	71 cn	81 cn	71 cn	72 cn
Dup-01_022023	410-115936-2	40	27	75	82	76	83
FBW001_022023	410-115936-3	43 cn	28 cn	73 cn	85 cn	74 cn	85 cn
FB-01_022023	410-115936-4	31 cn	20 cn	55 cn	66 cn	69 cn	82 cn
	MB 410-347489/1-A	38	26	75	80	72	85
	LCS 410-347489/2-A	48	36	77	81	80	82
	LCSD 410-347489/3-A	53	40	77	79	81	90
FBS010-MS_022023 MS	410-115936-1 MS	55	41	74	81	77	72
FBS010-MSD_022023 MSD	410-115936-1 MSD	57	44	83	90	86	93

	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DB2354.D

Lab ID: LCS 410-347489/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	50.0	45	90	62-120	
2,4-Dinitrophenol	100	69	69	43-146	
2-Chlorophenol	50.0	41	82	57-120	
Carbazole	50.0	51	102	74-120	
Phenol	50.0	22	44	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DB2355.D

Lab ID: LCSD 410-347489/3-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	44	89	1	30	62-120	
2,4-Dinitrophenol	100	67	67	3	30	43-146	
2-Chlorophenol	50.0	40	81	2	30	57-120	
Carbazole	50.0	53	105	4	30	74-120	
Phenol	50.0	24	48	8	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DB2359.D

Lab ID: 410-115936-1 MS Client ID: FBS010-MS_022023 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	50.5	ND	45	88	62-120	
2,4-Dinitrophenol	101	ND	53	52	43-146	
2-Chlorophenol	50.5	ND	43	85	57-120	
Carbazole	50.5	ND	51	100	74-120	
Phenol	50.5	ND	26	51	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DB2360.D

Lab ID: 410-115936-1 MSD Client ID: FBS010-MSD_022023 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dimethylphenol	50.7	52	103	16	30	62-120	
2,4-Dinitrophenol	101	55	54	3	30	43-146	
2-Chlorophenol	50.7	48	95	12	30	57-120	
Carbazole	50.7	58	114	14	30	74-120	
Phenol	50.7	28	55	8	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.: 410-115936-1

SDG No.:

Lab File ID: DB2353.D Lab Sample ID: MB 410-347489/1-A

Matrix: Water Date Extracted: 02/23/2023 16:29

Instrument ID: HP19760 Date Analyzed: 02/23/2023 23:19

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-347489/2-A	DB2354.D	02/23/2023 23:39
	LCSD 410-347489/3-A	DB2355.D	02/24/2023 00:00
FBS010_022023	410-115936-1	DB2358.D	02/24/2023 01:01
FBS010-MS_022023 MS	410-115936-1 MS	DB2359.D	02/24/2023 01:21
FBS010-MSD_022023 MSD	410-115936-1 MSD	DB2360.D	02/24/2023 01:41
Dup-01_022023	410-115936-2	DB2370.D	02/24/2023 05:05
FB-01_022023	410-115936-4	DB2371.D	02/24/2023 05:26
FBW001_022023	410-115936-3	DB2375.D	02/24/2023 06:47

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Lab File ID: DK0700b.D DFTPP Injection Date: 11/07/2022

Instrument ID: HP19760 DFTPP Injection Time: 18:35

Analysis Batch No.: 314883

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	42.6	
68	Less than 2% of mass 69	1.0	(1.9) 1
69	Mass 69 Relative abundance	51.8	
70	Less than 2% of mass 69	0.4	(0.8) 1
127	10-80% of Base Peak	44.9	
197	Less than 2% of mass 198	0.5	
198	Base peak	100.0	
199	5-9% of mass 198	6.5	
275	10-60% of Base Peak	24.3	
365	Greater than 1% of mass 198	2.6	
441	present but less than 24% of mass 442	11.3	(17.0) 2
442	Greater than 50% of mass 198	66.3	
443	15-24% of mass 442	12.6	(19.0) 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 410-314883/2	DK0701a.D	11/07/2022	18:52
	IC 410-314883/3	DK0702.D	11/07/2022	19:20
	IC 410-314883/4	DK0703.D	11/07/2022	19:41
	IC 410-314883/5	DK0704.D	11/07/2022	20:02
	IC 410-314883/6	DK0705.D	11/07/2022	20:23
	IC 410-314883/7	DK0706.D	11/07/2022	20:44
	IC 410-314883/8	DK0707.D	11/07/2022	21:04
	IC 410-314883/9	DK0708.D	11/07/2022	21:25
	ICV 410-314883/12	DK0711.D	11/07/2022	22:28
	ICV 410-314883/13	DK0712.D	11/07/2022	22:48
	ICV 410-314883/14	DK0713.D	11/07/2022	23:09

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Lab File ID: DB2350a.D DFTPP Injection Date: 02/23/2023

Instrument ID: HP19760 DFTPP Injection Time: 21:21

Analysis Batch No.: 347567

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	30.1	
68	Less than 2% of mass 69	0.9	(2.0) 1
69	Mass 69 Relative abundance	45.3	
70	Less than 2% of mass 69	0.3	(0.7) 1
127	10-80% of Base Peak	39.1	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	7.5	
275	10-60% of Base Peak	26.1	
365	Greater than 1% of mass 198	3.0	
441	present but less than 24% of mass 442	15.7	(14.9) 2
442	Greater than 50% of mass 198	105.6	
443	15-24% of mass 442	20.3	(19.3) 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 410-347567/2	DB2351.D	02/23/2023	21:39
	MB 410-347489/1-A	DB2353.D	02/23/2023	23:19
	LCS 410-347489/2-A	DB2354.D	02/23/2023	23:39
	LCSD 410-347489/3-A	DB2355.D	02/24/2023	0:00
FBS010_022023	410-115936-1	DB2358.D	02/24/2023	1:01
FBS010-MS_022023 MS	410-115936-1 MS	DB2359.D	02/24/2023	1:21
FBS010-MSD_022023 MSD	410-115936-1 MSD	DB2360.D	02/24/2023	1:41
Dup-01_022023	410-115936-2	DB2370.D	02/24/2023	5:05
FB-01_022023	410-115936-4	DB2371.D	02/24/2023	5:26
FBW001_022023	410-115936-3	DB2375.D	02/24/2023	6:47

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: ICIS 410-314883/2 Date Analyzed: 11/07/2022 18:52

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DK0701a.D Heated Purge: (Y/N) N

Calibration ID: 43912

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		123592	4.53	422146	5.73	260175	7.40
UPPER LIMIT		247184	5.03	844292	6.23	520350	7.90
LOWER LIMIT		61796	4.03	211073	5.23	130088	6.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-314883/12		116297	4.52	422027	5.73	264601	7.40
ICV 410-314883/13		131012	4.52	454274	5.73	267638	7.40
ICV 410-314883/14		117125	4.52	401710	5.73	249366	7.39
CCVIS 410-347567/2		151119	4.25	531958	5.47	316210	7.13

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: ICIS 410-314883/2 Date Analyzed: 11/07/2022 18:52

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DK0701a.D Heated Purge: (Y/N) N

Calibration ID: 43912

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		523765	8.81	552251	10.16	459248	13.44
UPPER LIMIT		1047530	9.31	1104502	10.66	918496	13.94
LOWER LIMIT		261883	8.31	276126	9.66	229624	12.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-314883/12		522723	8.80	547418	10.16	446400	13.44
ICV 410-314883/13		555133	8.80	564610	10.16	436855	13.44
ICV 410-314883/14		507304	8.80	521977	10.16	391539	13.44
CCVIS 410-347567/2		646535	8.54	698240	9.89	590739	13.00

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: CCVIS 410-347567/2 Date Analyzed: 02/23/2023 21:39

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DB2351.D Heated Purge: (Y/N) N

Calibration ID: 47498

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		151119	4.25	531958	5.47	316210	7.13
UPPER LIMIT		302238	4.75	1063916	5.97	632420	7.63
LOWER LIMIT		75560	3.75	265979	4.97	158105	6.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-347489/1-A		105216	4.25	361550	5.47	205452	7.14
LCS 410-347489/2-A		96863	4.25	333722	5.46	186875	7.13
LCSD 410-347489/3-A		96546	4.25	327181	5.46	189846	7.13
410-115936-1	FBS010_022023	97374	4.25	328991	5.46	183230	7.13
410-115936-1 MS	FBS010-MS_022023 MS	91441	4.25	315611	5.46	180407	7.13
410-115936-1 MSD	FBS010-MSD_022023 MSD	93312	4.25	322318	5.46	188598	7.13
410-115936-2	Dup-01_022023	139389	4.25	465330	5.46	267109	7.13
410-115936-4	FB-01_022023	93926	4.24	310395	5.46	174487	7.13
410-115936-3	FBW001_022023	101566	4.24	352721	5.46	195765	7.12

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: CCVIS 410-347567/2 Date Analyzed: 02/23/2023 21:39

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DB2351.D Heated Purge: (Y/N) N

Calibration ID: 47498

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		646535	8.54	698240	9.89	590739	13.00
UPPER LIMIT		1293070	9.04	1396480	10.39	1181478	13.50
LOWER LIMIT		323268	8.04	349120	9.39	295370	12.50
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-347489/1-A		402222	8.54	425490	9.89	310891	13.01
LCS 410-347489/2-A		378622	8.54	402459	9.88	311708	13.00
LCSD 410-347489/3-A		375865	8.54	401469	9.88	317300	12.99
410-115936-1	FBS010_022023	372046	8.54	386098	9.88	273706*3	13.00
410-115936-1 MS	FBS010-MS_022023 MS	364476	8.54	377098	9.88	303868	12.99
410-115936-1 MSD	FBS010-MSD_022023 MSD	376431	8.54	390702	9.88	300136	12.99
410-115936-2	Dup-01_022023	545448	8.54	578917	9.88	426244	12.99
410-115936-4	FB-01_022023	349442	8.54	371190	9.88	262527*3	12.99
410-115936-3	FBW001_022023	396478	8.53	410938	9.88	280062*3	12.99

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

*3=ISTD response or retention time outside acceptable limits.

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010_022023
Lab Sample ID: 410-115936-1

Matrix: Water
Lab File ID: DB2358.D

Analysis Method: 8270D
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:29

Sample wt/vol: 249.1(mL)
Date Analyzed: 02/24/2023 01:01

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.: 347567
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	ND	cn	10	3
51-28-5	2,4-Dinitrophenol	ND	cn	30	10
95-57-8	2-Chlorophenol	ND	cn	2	0.5
86-74-8	Carbazole	ND	cn	2	0.5
108-95-2	Phenol	ND	cn	2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	71	cn	10-150
321-60-8	2-Fluorobiphenyl (Surr)	81	cn	44-120
367-12-4	2-Fluorophenol (Surr)	39	cn	10-120
4165-60-0	Nitrobenzene-d5 (Surr)	71	cn	25-125
4165-62-2	Phenol-d5 (Surr)	26	cn	10-120
1718-51-0	p-Terphenyl-d14 (Surr)	72	cn	37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2358.D
Lims ID: 410-115936-B-1-B
Client ID: FBS010_022023
Sample Type: Client
Inject. Date: 24-Feb-2023 01:01:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-B-1-B
Misc. Info.: 410-0077707-009
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 08:00:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.980	2.989	-0.009	92	516065	19.4	
$ 16 Phenol-d5	99	3.884	3.881	0.003	94	470096	12.9	
17 Phenol	94		3.899				ND	7
20 2-Chlorophenol	128		4.044				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.245	4.248	-0.003	96	97374	5.00	
$ 39 Nitrobenzene-d5	82	4.775	4.779	-0.004	85	599868	17.6	
45 2,4-Dimethylphenol	107		5.146				ND	
* 50 Naphthalene-d8	136	5.463	5.467	-0.004	100	328991	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.501	6.498	0.003	100	1083441	20.2	
* 90 Acenaphthene-d10	164	7.130	7.134	-0.004	96	183230	5.00	
92 2,4-Dinitrophenol	184		7.203				ND	
$ 109 2,4,6-Tribromophenol	330	7.876	7.880	-0.004	93	310395	35.3	
* 126 Phenanthrene-d10	188	8.535	8.538	-0.003	97	372046	5.00	
130 Carbazole	167		8.766				ND	
* 149 Pyrene-d10 (IS)	212	9.881	9.885	-0.004	98	386098	5.00	
$ 152 p-Terphenyl-d14	244	10.062	10.065	-0.003	97	1273447	18.0	
* 170 Perylene-d12	264	13.000	12.997	0.003	99	273706	5.00	s

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
s - Failed ISTD Recovery Test

Reagents:

MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

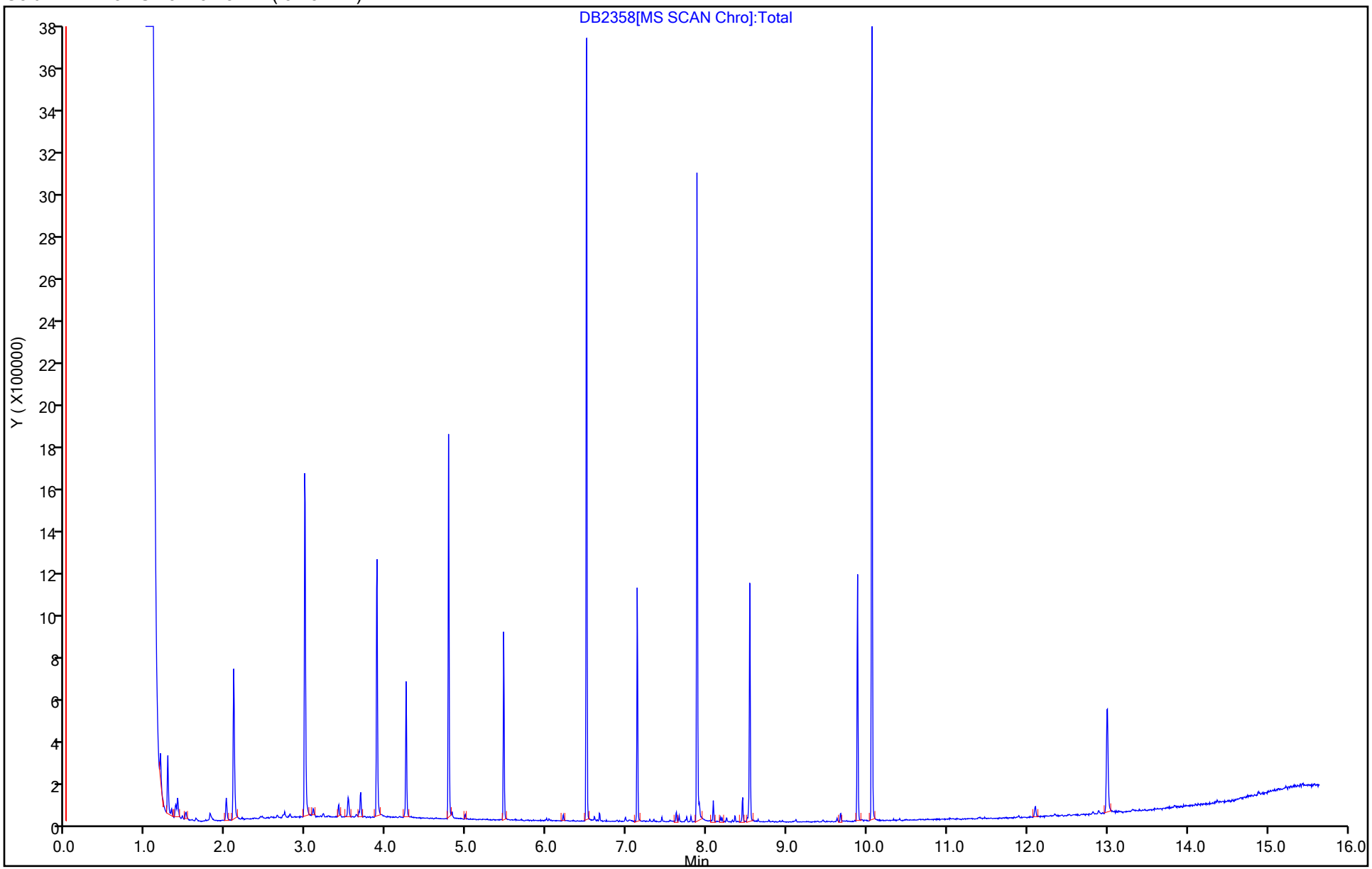
Report Date: 24-Feb-2023 14:48:29 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2358.D

Injection Date:	24-Feb-2023 01:01:30	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-115936-B-1-B	Lab Sample ID:	410-115936-1	Worklist Smp#:	9
Client ID:	FBS010_022023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2358.D
Lims ID: 410-115936-B-1-B
Client ID: FBS010_022023
Sample Type: Client
Inject. Date: 24-Feb-2023 01:01:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-B-1-B
Misc. Info.: 410-0077707-009
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 08:00:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	19.4	38.70
$ 16 Phenol-d5	50.0	12.9	25.85
$ 39 Nitrobenzene-d5	25.0	17.6	70.51
$ 73 2-Fluorobiphenyl (Surr)	25.0	20.2	80.62
$ 109 2,4,6-Tribromophenol	50.0	35.3	70.55
$ 152 p-Terphenyl-d14	25.0	18.0	72.00

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: Dup-01_022023
Lab Sample ID: 410-115936-2

Matrix: Water
Lab File ID: DB2370.D

Analysis Method: 8270D
Date Collected: 02/16/2023 12:00

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:29

Sample wt/vol: 248(mL)
Date Analyzed: 02/24/2023 05:05

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.: 347567
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)	76		10-150
321-60-8	2-Fluorobiphenyl (Surr)	82		44-120
367-12-4	2-Fluorophenol (Surr)	40		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	75		25-125
4165-62-2	Phenol-d5 (Surr)	27		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	83		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2370.D
Lims ID: 410-115936-D-2-B
Client ID: Dup-01_022023
Sample Type: Client
Inject. Date: 24-Feb-2023 05:05:30 ALS Bottle#: 21 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-D-2-B
Misc. Info.: 410-0077707-025
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:41:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.980	2.989	-0.009	92	766558	20.1	
$ 16 Phenol-d5	99	3.878	3.881	-0.003	95	708500	13.6	
17 Phenol	94		3.899				ND	7
20 2-Chlorophenol	128		4.044				ND	
* 22 1,4-Dichlorobenzene-d4	152	4.245	4.248	-0.003	95	139389	5.00	
$ 39 Nitrobenzene-d5	82	4.775	4.779	-0.004	85	908352	18.9	
45 2,4-Dimethylphenol	107		5.146				ND	
* 50 Naphthalene-d8	136	5.463	5.467	-0.004	99	465330	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.495	6.498	-0.003	100	1609840	20.5	
* 90 Acenaphthene-d10	164	7.130	7.134	-0.004	96	267109	5.00	
92 2,4-Dinitrophenol	184		7.203				ND	
$ 109 2,4,6-Tribromophenol	330	7.876	7.880	-0.004	93	490471	38.2	
* 126 Phenanthrene-d10	188	8.535	8.538	-0.003	97	545448	5.00	
130 Carbazole	167		8.766				ND	
* 149 Pyrene-d10 (IS)	212	9.876	9.885	-0.009	98	578917	5.00	
$ 152 p-Terphenyl-d14	244	10.056	10.065	-0.009	97	2212974	20.9	
* 170 Perylene-d12	264	12.988	12.997	-0.009	99	426244	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

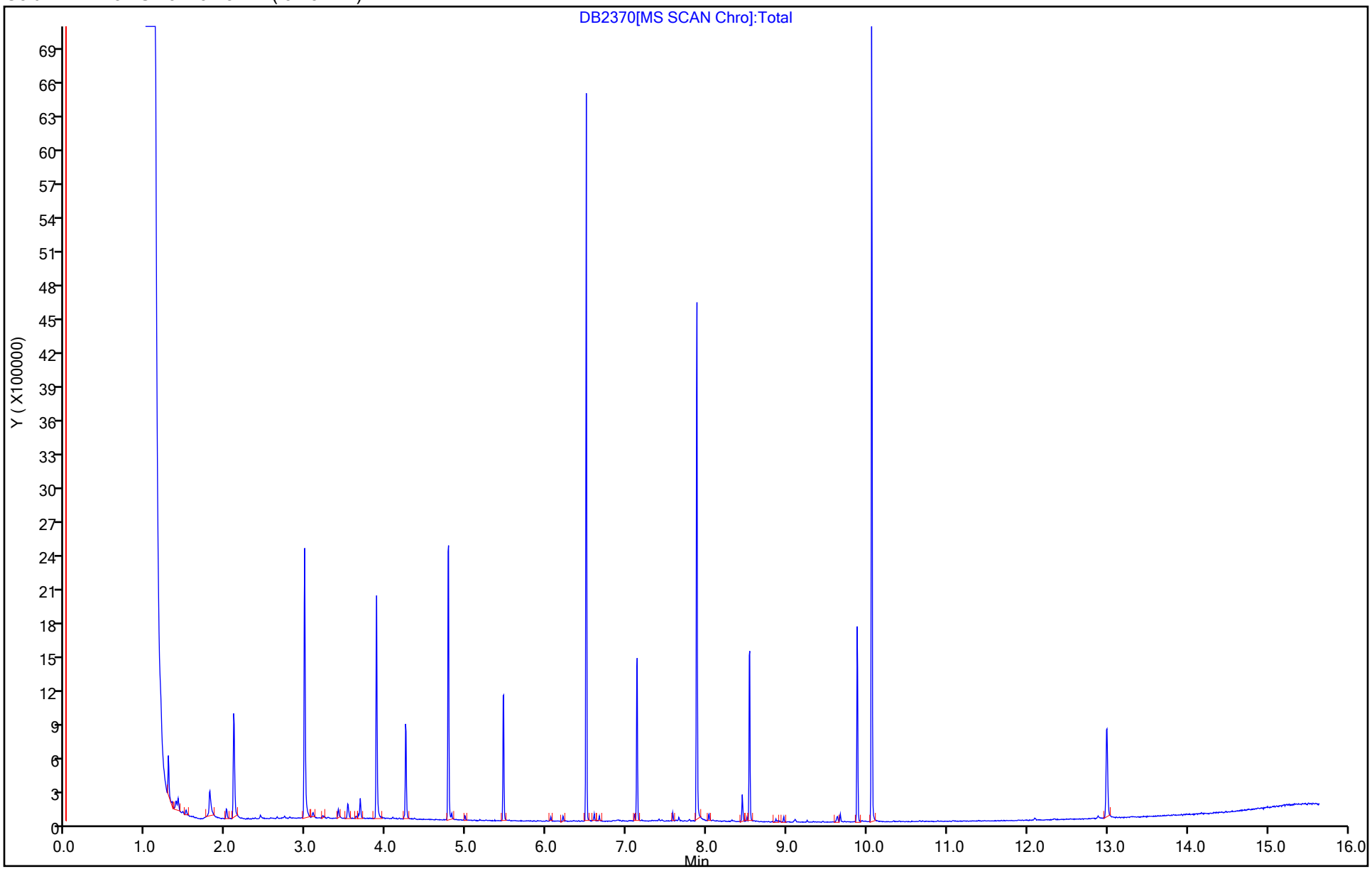
Report Date: 24-Feb-2023 14:48:05 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2370.D

Injection Date:	24-Feb-2023 05:05:30	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-115936-D-2-B	Lab Sample ID:	410-115936-2	Worklist Smp#:	25
Client ID:	Dup-01_022023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2370.D				
Lims ID:	410-115936-D-2-B				
Client ID:	Dup-01_022023				
Sample Type:	Client				
Inject. Date:	24-Feb-2023 05:05:30	ALS Bottle#:	21	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-D-2-B				
Misc. Info.:	410-0077707-025				
Operator ID:	mem41592	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	24-Feb-2023 14:46:53	Calib Date:	22-Feb-2023 23:41:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1650				

First Level Reviewer: W6XI Date: 24-Feb-2023 14:41:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	20.1	40.16
$ 16 Phenol-d5	50.0	13.6	27.21
$ 39 Nitrobenzene-d5	25.0	18.9	75.48
$ 73 2-Fluorobiphenyl (Surr)	25.0	20.5	82.17
$ 109 2,4,6-Tribromophenol	50.0	38.2	76.47
$ 152 p-Terphenyl-d14	25.0	20.9	83.44

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBW001_022023
Lab Sample ID: 410-115936-3

Matrix: Water
Lab File ID: DB2375.D

Analysis Method: 8270D
Date Collected: 02/16/2023 10:57

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:29

Sample wt/vol: 246.1(mL)
Date Analyzed: 02/24/2023 06:47

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.: 347567
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	ND	cn	10	3
51-28-5	2,4-Dinitrophenol	ND	cn	30	10
95-57-8	2-Chlorophenol	ND	cn	2	0.5
86-74-8	Carbazole	ND	cn	2	0.5
108-95-2	Phenol	ND	cn	2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	74	cn	10-150
321-60-8	2-Fluorobiphenyl (Surr)	85	cn	44-120
367-12-4	2-Fluorophenol (Surr)	43	cn	10-120
4165-60-0	Nitrobenzene-d5 (Surr)	73	cn	25-125
4165-62-2	Phenol-d5 (Surr)	28	cn	10-120
1718-51-0	p-Terphenyl-d14 (Surr)	85	cn	37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2375.D
Lims ID: 410-115936-D-3-B
Client ID: FBW001_022023
Sample Type: Client
Inject. Date: 24-Feb-2023 06:47:30 ALS Bottle#: 26 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-D-3-B
Misc. Info.: 410-0077707-030
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 08:18:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.974	2.989	-0.015	92	593652	21.3	
$ 16 Phenol-d5	99	3.872	3.881	-0.009	94	533184	14.1	
17 Phenol	94		3.899				ND	7
20 2-Chlorophenol	128		4.044				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.239	4.248	-0.009	96	101566	5.00	
$ 39 Nitrobenzene-d5	82	4.770	4.779	-0.009	85	662833	18.2	
45 2,4-Dimethylphenol	107		5.146				ND	
* 50 Naphthalene-d8	136	5.457	5.467	-0.010	100	352721	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.495	6.498	-0.003	99	1218407	21.2	
* 90 Acenaphthene-d10	164	7.124	7.134	-0.010	96	195765	5.00	
92 2,4-Dinitrophenol	184		7.203				ND	
$ 109 2,4,6-Tribromophenol	330	7.876	7.880	-0.004	93	346723	36.9	
* 126 Phenanthrene-d10	188	8.529	8.538	-0.009	97	396478	5.00	
130 Carbazole	167		8.766				ND	
* 149 Pyrene-d10 (IS)	212	9.876	9.885	-0.009	98	410938	5.00	
$ 152 p-Terphenyl-d14	244	10.056	10.065	-0.009	97	1599598	21.2	
* 170 Perylene-d12	264	12.988	12.997	-0.009	98	280062	5.00	s

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
s - Failed ISTD Recovery Test

Reagents:

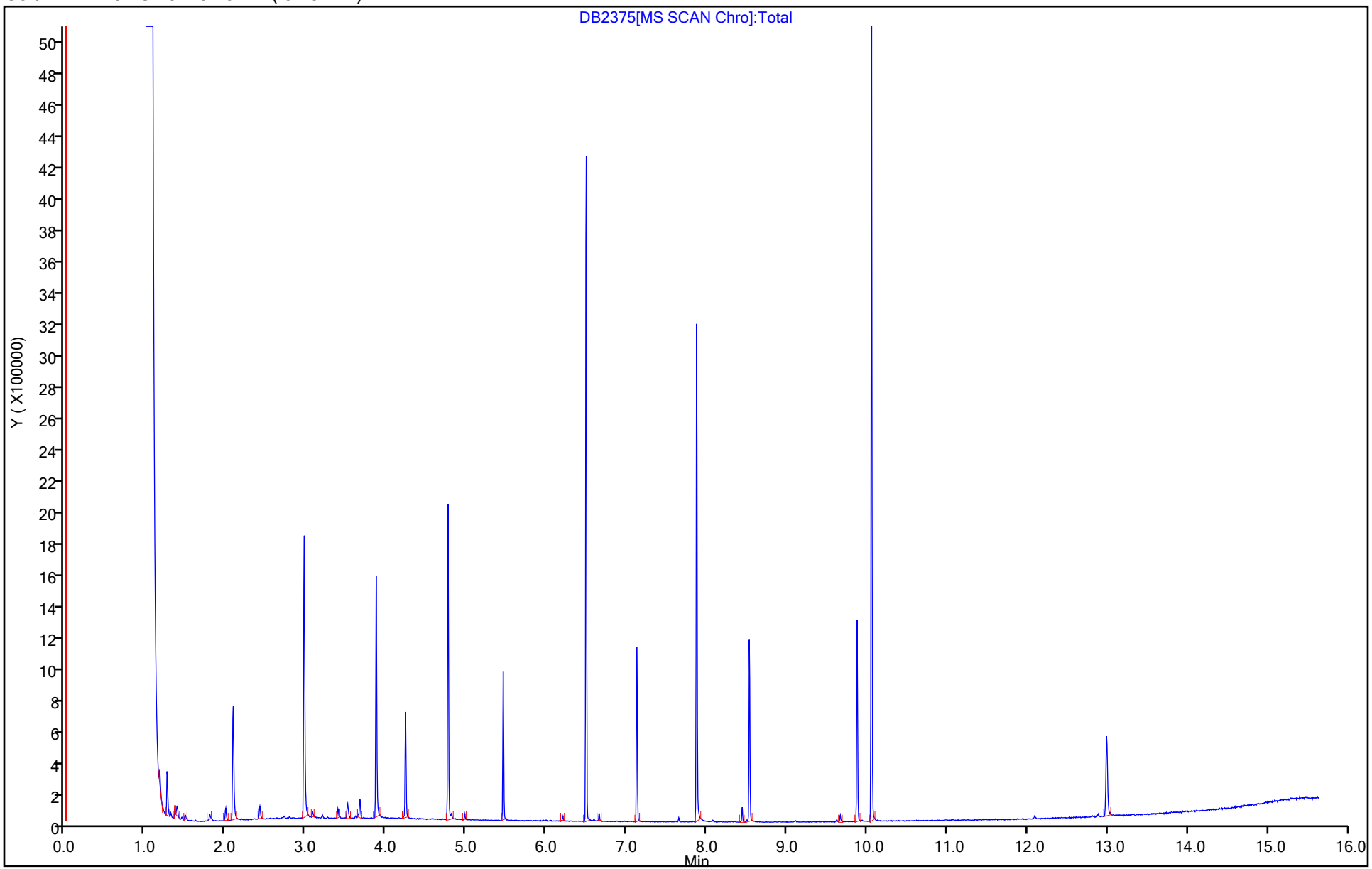
MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Feb-2023 14:48:37 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2375.D				
Injection Date:	24-Feb-2023 06:47:30	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-115936-D-3-B	Lab Sample ID:	410-115936-3	Worklist Smp#:	30
Client ID:	FBW001_022023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2375.D
Lims ID: 410-115936-D-3-B
Client ID: FBW001_022023
Sample Type: Client
Inject. Date: 24-Feb-2023 06:47:30 ALS Bottle#: 26 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-D-3-B
Misc. Info.: 410-0077707-030
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 08:18:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	21.3	42.68
$ 16 Phenol-d5	50.0	14.1	28.11
$ 39 Nitrobenzene-d5	25.0	18.2	72.67
$ 73 2-Fluorobiphenyl (Surr)	25.0	21.2	84.86
$ 109 2,4,6-Tribromophenol	50.0	36.9	73.76
$ 152 p-Terphenyl-d14	25.0	21.2	84.97

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FB-01_022023
Lab Sample ID: 410-115936-4

Matrix: Water
Lab File ID: DB2371.D

Analysis Method: 8270D
Date Collected: 02/16/2023 10:57

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:29

Sample wt/vol: 247.4(mL)
Date Analyzed: 02/24/2023 05:26

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.: 347567
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	ND	cn	10	3
51-28-5	2,4-Dinitrophenol	ND	cn	30	10
95-57-8	2-Chlorophenol	ND	cn	2	0.5
86-74-8	Carbazole	ND	cn	2	0.5
108-95-2	Phenol	ND	cn	2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	69	cn	10-150
321-60-8	2-Fluorobiphenyl (Surr)	66	cn	44-120
367-12-4	2-Fluorophenol (Surr)	31	cn	10-120
4165-60-0	Nitrobenzene-d5 (Surr)	55	cn	25-125
4165-62-2	Phenol-d5 (Surr)	20	cn	10-120
1718-51-0	p-Terphenyl-d14 (Surr)	82	cn	37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2371.D				
Lims ID:	410-115936-D-4-B				
Client ID:	FB-01_022023				
Sample Type:	Client				
Inject. Date:	24-Feb-2023 05:26:30	ALS Bottle#:	22	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-D-4-B				
Misc. Info.:	410-0077707-026				
Operator ID:	mem41592	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	24-Feb-2023 14:46:53	Calib Date:	22-Feb-2023 23:41:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1650				
First Level Reviewer: W6XI		Date:	24-Feb-2023 14:41:59		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.974	2.989	-0.015	92	398089	15.5	
$ 16 Phenol-d5	99	3.878	3.881	-0.003	94	353368	10.1	
17 Phenol	94		3.899				ND	7
20 2-Chlorophenol	128		4.044				ND	
* 22 1,4-Dichlorobenzene-d4	152	4.239	4.248	-0.009	96	93926	5.00	
$ 39 Nitrobenzene-d5	82	4.770	4.779	-0.009	85	444896	13.9	
45 2,4-Dimethylphenol	107		5.146				ND	
* 50 Naphthalene-d8	136	5.457	5.467	-0.010	99	310395	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.495	6.498	-0.003	99	849581	16.6	
* 90 Acenaphthene-d10	164	7.130	7.134	-0.004	96	174487	5.00	
92 2,4-Dinitrophenol	184		7.203				ND	
$ 109 2,4,6-Tribromophenol	330	7.876	7.880	-0.004	93	291067	34.7	
* 126 Phenanthrene-d10	188	8.535	8.538	-0.003	97	349442	5.00	
130 Carbazole	167		8.766				ND	
* 149 Pyrene-d10 (IS)	212	9.876	9.885	-0.009	98	371190	5.00	
$ 152 p-Terphenyl-d14	244	10.056	10.065	-0.009	97	1391281	20.5	
* 170 Perylene-d12	264	12.994	12.997	-0.003	99	262527	5.00	s

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

s - Failed ISTD Recovery Test

Reagents:

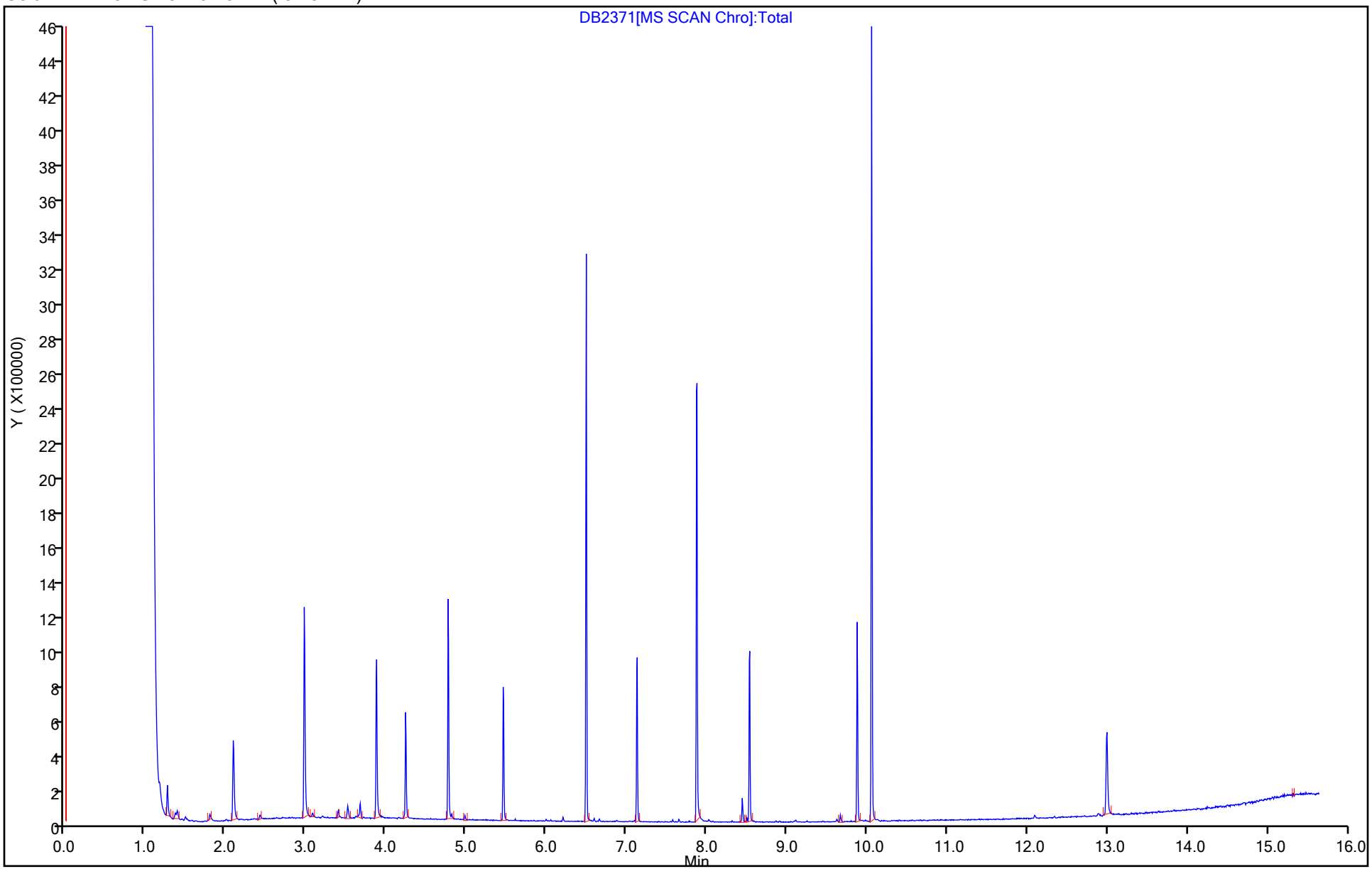
MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Feb-2023 14:48:06 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2371.D				
Injection Date:	24-Feb-2023 05:26:30	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-115936-D-4-B	Lab Sample ID:	410-115936-4	Worklist Smp#:	26
Client ID:	FB-01_022023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2371.D				
Lims ID:	410-115936-D-4-B				
Client ID:	FB-01_022023				
Sample Type:	Client				
Inject. Date:	24-Feb-2023 05:26:30	ALS Bottle#:	22	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-D-4-B				
Misc. Info.:	410-0077707-026				
Operator ID:	mem41592	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	24-Feb-2023 14:46:53	Calib Date:	22-Feb-2023 23:41:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1650				

First Level Reviewer: W6XI Date: 24-Feb-2023 14:41:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	15.5	30.95
$ 16 Phenol-d5	50.0	10.1	20.14
$ 39 Nitrobenzene-d5	25.0	13.9	55.42
$ 73 2-Fluorobiphenyl (Surr)	25.0	16.6	66.39
$ 109 2,4,6-Tribromophenol	50.0	34.7	69.47
$ 152 p-Terphenyl-d14	25.0	20.5	81.82

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-314883/3	DK0702.D
Level 2	IC 410-314883/4	DK0703.D
Level 3	IC 410-314883/9	DK0708.D
Level 4	IC 410-314883/8	DK0707.D
Level 5	IC 410-314883/7	DK0706.D
Level 6	ICIS 410-314883/2	DK0701a.D
Level 7	IC 410-314883/6	DK0705.D
Level 8	IC 410-314883/5	DK0704.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.6421	+++++ 0.6646	0.6338 0.6548	0.6074	0.6803	Ave		0.6472				3.9		20.0			
N-Nitrosodimethylamine	1.1885 1.0582	1.4815 1.0849	1.0812 1.0657	0.9727	1.1045	Ave		1.1296				13.6		20.0			
Pyridine	2.0544 1.6861	1.8199 1.7083	1.5945 1.6956	1.5304	1.7372	Ave		1.7283				9.2		20.0			
N,N-dimethylformamide	+++++ 1.0158	+++++ 1.1393	1.1523 1.1716	0.9093	1.1396	Ave		1.0880				9.5		20.0			
2-Picoline	1.6956 1.7291	1.8355 1.7218	1.6780 1.7378	1.5542	1.7631	Ave		1.7144				4.7		20.0			
N-Nitrosomethylethylamine	+++++ 0.7611	+++++ 0.7557	0.8577 0.7526	0.6849	0.7751	Ave		0.7645				7.3		20.0			
Methyl methanesulfonate	1.0251 1.0567	0.9358 1.0528	0.9747 1.0650	0.9528	1.0612	Ave		1.0155				5.2		20.0			
N-Nitrosodiethylamine	0.7042 0.7150	0.6976 0.7005	0.6142 0.7010	0.6152	0.7025	Ave		0.6813				6.1		20.0			
Ethyl methanesulfonate	0.7290 0.7706	0.8002 0.7475	0.6819 0.7679	0.6996	0.7722	Ave		0.7461				5.4		20.0			
Benzaldehyde	1.4074	1.7109 1.3393	1.4779 1.2753	1.4417	1.5021	Ave		1.4507			0.0100	9.6		20.0			
Phenol	2.0448 1.9316	1.8017 1.9648	1.7530 1.9424	1.7597	1.9851	Ave		1.8979			0.8000	5.8		20.0			
Aniline	2.2995 2.3191	2.0066 2.3736	2.1506 2.3277	2.1047	2.3863	Ave		2.2460				6.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.2878 1.5968	1.6680 1.5880	1.4831 1.5763	1.4153	1.5994	Ave		1.5269			0.7000	8.1		20.0			
2-Chlorophenol	1.2733 1.3069	1.1172 1.3149	1.1082 1.2782	1.1487	1.3124	Ave		1.2325			0.8000	7.4		20.0			
1,3-Dichlorobenzene	1.6494 1.4862	1.3588 1.4865	1.4753 1.4731	1.3240	1.5229	Ave		1.4720				6.8		20.0			
1,4-Dichlorobenzene	1.5829 1.5074	1.5019 1.5050	1.4448 1.4874	1.3742	1.5580	Ave		1.4952				4.3		20.0			
Benzyl alcohol	1.0672 0.9093	0.8788 0.9386	0.8394 0.9121	0.8124	0.9194	Ave		0.9097				8.4		20.0			
1,2-Dichlorobenzene	1.3647 1.4169	1.5184 1.4247	1.3618 1.3980	1.2898	1.4628	Ave		1.4046				4.9		20.0			
2-Methylphenol	1.3161 1.2738	1.2645 1.2763	1.1146 1.2794	1.1097	1.3030	Ave		1.2422			0.7000	6.6		20.0			
2,2'-oxybis[1-chloropropane]	2.0272 1.7125	2.3239 1.6876	1.6467 1.6693	1.5032	1.7460	Ave		1.7895			0.0100	14.6		20.0			
N-Nitrosopyrrolidine	0.6663 0.7498	0.6522 0.7543	0.6812 0.7588	0.6554	0.7561	Ave		0.7093				7.0		20.0			
4-Methylphenol (and/or 3-Methylphenol)	1.5770 1.3208	1.4498 1.3468	1.1854 1.3586	1.1573	1.3573	Ave		1.3441			0.6000	10.0		20.0			
N-Nitrosodi-n-propylamine	1.2599 1.2771	1.2429 1.3058	1.1881 1.3174	1.1262	1.3018	Ave		1.2524			0.5000	5.3		20.0			
Acetophenone	2.2957 2.1143	2.0844 2.1123	2.0120 2.1207	1.9146	2.2164	Ave		2.1088			0.0100	5.5		20.0			
N-Nitrosomorpholine	1.1641 0.8996	1.0743 0.9077	0.7376 0.9034	0.8049	0.9146	Ave		0.9258				14.7		20.0			
o-Toluidine	2.3781 2.3126	2.2608 2.3622	2.0685 2.3345	2.0609	2.3946	Ave		2.2715				5.9		20.0			
Hexachloroethane	0.7211 0.6386	0.6960 0.6333	0.5828 0.6215	0.5882	0.6434	Ave		0.6406			0.3000	7.5		20.0			
Nitrobenzene	0.7009 0.5386	0.5378 0.5437	0.4556 0.5229	0.4435	0.5411	Ave		0.5355			0.2000	14.5		20.0			
N-Nitrosopiperidine	0.2169 0.2015	0.1827 0.2019	0.1792 0.1977	0.1633	0.2009	Ave		0.1930				8.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	0.9618 0.9201	0.7822 0.9368	0.8184 0.9096	0.7550	0.9127	Ave		0.8746			0.4000	8.9		20.0			
2-Nitrophenol	0.1523 0.1925	0.1858 0.1961	0.1420 0.1912	0.1399	0.1850	Ave		0.1731			0.1000	13.9		20.0			
2,4-Dimethylphenol	0.4525 0.4322	0.3792 0.4476	0.3691 0.4354	0.3663	0.4300	Ave		0.4140			0.2000	8.7		20.0			
o,o',o''-Triethylphosphorothioate	0.2657 0.2274	0.1950 0.2405	0.2168 0.2299	0.1947	0.2360	Ave		0.2257				10.5		20.0			
Bis(2-chloroethoxy)methane	0.6095 0.5470	0.5954 0.5499	0.4675 0.5382	0.4583	0.5508	Ave		0.5396			0.3000	9.9		20.0			
2,4-Dichlorophenol	0.3723 0.3306	0.2604 0.3437	0.2743 0.3302	0.2597	0.3264	Ave		0.3122			0.2000	13.4		20.0			
1,2,4-Trichlorobenzene	+++++ 0.3924	0.4283 0.3983	0.3740 0.3836	0.3394	0.4006	Ave		0.3881				7.0		20.0			
Naphthalene	1.0847 1.0883	1.1370 1.1012	1.0366 1.0588	0.9217	1.1037	Ave		1.0665			0.7000	6.2		20.0			
a-Terpineol	0.3523 0.3608	0.3503 0.3701	0.3163 0.3559	0.2883	0.3549	Ave		0.3436				7.9		20.0			
4-Chloroaniline	0.3377 0.4540	0.4138 0.4674	0.3898 0.4503	0.3723	0.4581	Ave		0.4179			0.0100	11.3		20.0			
2,6-Dichlorophenol	0.3324 0.3342	0.2804 0.3420	0.2643 0.3327	0.2668	0.3337	Ave		0.3108				10.9		20.0			
Hexachloropropene	0.3391 0.3224	0.3254 0.3265	0.2772 0.3246	0.2602	0.3214	Ave		0.3121				8.9		20.0			
Hexachlorobutadiene	0.3078 0.2701	0.2552 0.2746	0.2573 0.2678	0.2260	0.2785	Ave		0.2672			0.0100	8.7		20.0			
Quinoline	0.6607 0.6852	0.6880 0.6942	0.5853 0.6784	0.5581	0.6764	Ave		0.6533				7.9		20.0			
Caprolactam	0.1000	0.1071 0.1103	0.0741 0.1098	0.0887	0.1002	Ave		0.0986			0.0100	13.3		20.0			
N-Nitrosodi-n-butylamine	0.4459 0.4061	0.4634 0.4309	0.3123 0.4267	0.3349	0.3998	Ave		0.4025				13.2		20.0			
1,4-phenylenediamine	0.4056 0.4030	0.2994 0.4087	0.3206 0.4017	0.3114	0.3888	Ave		0.3674				13.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.3422 0.3571	0.3353 0.3740	0.3045 0.3673	0.2816	0.3619	Ave		0.3405			0.2000	9.5		20.0			
Safrole, Total	0.2913 0.3023	0.2916 0.3109	0.2676 0.3107	0.2513	0.2956	Ave		0.2901				7.2		20.0			
2-Methylnaphthalene	0.7102 0.6689	0.6723 0.6962	0.6299 0.6772	0.5532	0.6959	Ave		0.6630			0.4000	7.6		20.0			
1-Methylnaphthalene	0.6620 0.6836	0.7141 0.7110	0.6323 0.6893	0.5923	0.6930	Ave		0.6722				6.2		20.0			
Hexachlorocyclopentadiene	0.5478 0.5696	0.5933 0.5540	0.5519 0.5643	0.5146	0.5680	Ave		0.5579			0.0500	4.0		20.0			
1,2,4,5-Tetrachlorobenzene	0.9161 0.7581	0.7418 0.7425	0.7375 0.7569	0.6937	0.7637	Ave		0.7638			0.0100	8.5		20.0			
Isosafrole Peak 1	+++++ 0.5793	0.4067 0.5366	0.4932 0.5706	0.5079	0.5534	Ave		0.5211				11.4		20.0			
2,4,6-Trichlorophenol	0.3983 0.4393	0.4246 0.4313	0.3881 0.4407	0.3784	0.4278	Ave		0.4161			0.2000	5.8		20.0			
2,4,5-Trichlorophenol	0.5283 0.4853	0.3526 0.4770	0.3933 0.4912	0.4217	0.4777	Ave		0.4534			0.2000	12.9		20.0			
Isosafrole Peak 2	0.6798 0.6173	0.6403 0.5831	0.5406 0.6093	0.5494	0.6037	Ave		0.6029				7.6		20.0			
1,1'-Biphenyl	1.5890 1.5376	1.6954 1.4807	1.4843 1.5045	1.4119	1.5471	Ave		1.5313			0.0100	5.5		20.0			
2-Chloronaphthalene	1.3863 1.2344	1.1035 1.2441	1.1142 1.2319	1.0756	1.1265	Ave		1.1896			0.8000	8.7		20.0			
1-Chloronaphthalene	1.1287 1.1418	1.3942 1.0327	1.1248 1.1156	1.0937	1.2349	Ave		1.1583				9.5		20.0			
Diphenyl ether	0.9328 0.8689	0.9140 0.8475	0.8606 0.8610	0.7985	0.8826	Ave		0.8707				4.7		20.0			
2-Nitroaniline	0.2389 0.3310	0.3010 0.3457	0.2662 0.3522	0.2631	0.3212	Ave		0.3024			0.0100	13.9		20.0			
1,4-Naphthoquinone	0.3942 0.4564	0.3967 0.4443	0.3879 0.4612	0.3784	0.4390	Ave		0.4198				8.0		20.0			
1,4-Dinitrobenzene	+++++ 0.1926	0.1632 0.1939	0.1375 0.2026	0.1529	0.1811	Ave		0.1748				13.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dimethyl phthalate	1.4895 1.3195	1.3168 1.3005	1.2021 1.3077	1.2324	1.3217	Ave		1.311 3			0.0100	6.5		20.0			
1,3-Dinitrobenzene	0.1880 0.2174	0.2064 0.2155	0.1593 0.2258	0.1801	0.2085	Ave		0.200 1				11.2		20.0			
2,6-Dinitrotoluene	+++++ 0.3141	0.2608 0.3033	0.2540 0.3069	0.2687	0.3048	Ave		0.287 5			0.2000	8.8		20.0			
Acenaphthylene	1.6419 1.7040	1.6046 1.6639	1.5453 1.7078	1.5419	1.7069	Ave		1.639 5			0.9000	4.2		20.0			
3-Nitroaniline	0.2614 0.2993	0.1962 0.3009	0.2451 0.3068	0.2389	0.2816	Ave		0.266 3			0.0100	14.4		20.0			
Acenaphthene	1.1529 1.2114	1.2352 1.1857	1.1625 1.2226	1.1063	1.2206	Ave		1.187 2			0.9000	3.7		20.0			
2,4-Dinitrophenol	+++++ 0.2107	+++++ 0.2157	0.1478 0.2274	0.1721	0.1987	Ave		0.195 4			0.0100	15.3		20.0			
4-Nitrophenol	0.1729 0.2288	0.1860 0.2219	0.1833 0.2244	0.1877	0.2237	Ave		0.203 6			0.0100	11.3		20.0			
Pentachlorobenzene	0.6657 0.6567	0.6453 0.6342	0.6507 0.6467	0.6136	0.6543	Ave		0.645 9				2.5		20.0			
2,4-Dinitrotoluene	0.3390 0.4175	0.3191 0.4119	0.3113 0.4140	0.3414	0.3978	Ave		0.369 0			0.2000	12.3		20.0			
Dibenzofuran	1.8625 1.7540	1.7838 1.6818	1.6958 1.7172	1.5753	1.7297	Ave		1.725 0			0.8000	4.8		20.0			
1-Naphthylamine	0.9997 1.1275	0.8897 1.0893	0.9227 1.1434	0.9941	1.1112	Ave		1.034 7				9.4		20.0			
2,3,4,6-Tetrachlorophenol	0.3671 0.4472	0.3774 0.4472	0.4060 0.4573	0.3978	0.4482	Ave		0.418 5			0.0100	8.5		20.0			
2-Naphthylamine	1.0998 1.2389	1.1033 1.1850	1.0518 1.2292	1.0348	1.1944	Ave		1.142 1				7.0		20.0			
Diethyl phthalate	1.3957 1.3042	1.1880 1.2739	1.2146 1.3028	1.1675	1.2909	Ave		1.267 2			0.0100	5.9		20.0			
Thionazin	0.2573 0.2237	0.2056 0.2227	0.1864 0.2297	0.1878	0.2169	Ave		0.216 3				10.7		20.0			
Fluorene	1.3410 1.3995	1.4530 1.3751	1.2812 1.4109	1.2851	1.4109	Ave		1.369 6			0.9000	4.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorophenyl-phenyl ether	0.6811 0.7860	0.7665 0.7649	0.7619 0.7821	0.7262	0.7685	Ave		0.7546			0.4000	4.6		20.0			
5-Nitro-o-toluidine	0.3380 0.3744	0.2708 0.3568	0.2829 0.3780	0.3088	0.3599	Ave		0.3337				12.4		20.0			
4-Nitroaniline	0.2289 0.3299	0.2489 0.3256	0.2612 0.3380	0.2712	0.3190	Ave		0.2903			0.0100	14.6		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1399	+++++ 0.1411	0.1058 0.1424	0.1076	0.1344	Ave		0.1285			0.0100	13.3		20.0			
N-Nitrosodiphenylamine	0.5741 0.5809	0.5197 0.5787	0.4977 0.5687	0.5053	0.5693	Ave		0.5493			0.0100	6.4		20.0			
1,2-Diphenylhydrazine	0.8552 0.8592	0.8468 0.8463	0.7296 0.8356	0.7457	0.8659	Ave		0.8230				6.5		20.0			
Sulfotepp	0.1442 0.1276	0.1100 0.1258	0.1106 0.1259	0.1049	0.1289	Ave		0.1222				10.6		20.0			
1,3,5-Trinitrobenzene	+++++ 0.0788	+++++ 0.0835	0.0474 0.0861	0.0584	0.0735	Lin2	-0.048	0.0821							0.9920		0.9900
cis-Diallate	0.4051 0.3298	0.3675 0.3286	0.2880 0.3330	0.2901	0.3434	Ave		0.3357				11.4		20.0			
Phorate	0.4684 0.5221	0.4029 0.5134	0.3988 0.5246	0.4199	0.5116	Ave		0.4702				11.8		20.0			
Phenacetin	+++++ 0.3304	0.2551 0.3327	0.2369 0.3338	0.2602	0.3178	Ave		0.2953				14.4		20.0			
4-Bromophenyl-phenylether	0.2288 0.2423	0.2664 0.2445	0.2278 0.2403	0.2205	0.2533	Ave		0.2405			0.1000	6.2		20.0			
trans-Diallate	+++++ 0.3415	+++++ 0.3296	0.3834 0.3327	0.3031	0.3479	Ave		0.3397				7.8		20.0			
Hexachlorobenzene	0.3003 0.2687	0.2992 0.2654	0.2707 0.2607	0.2395	0.2792	Ave		0.2730			0.1000	7.4		20.0			
Dimethoate	+++++ 0.2965	+++++ 0.3000	0.2230 0.2953	0.2327	0.2865	Ave		0.2723				12.8		20.0			
Atrazine	0.2178	0.2061 0.2153	0.1871 0.2127	0.2005	0.2203	Ave		0.2085			0.0100	5.6		20.0			
Pentachlorophenol	0.1373 0.1681	0.1433 0.1724	0.1291 0.1697	0.1385	0.1671	Ave		0.1532			0.0500	11.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Aminobiphenyl	0.7891 0.8021	0.7029 0.8102	0.6406 0.8100	0.6727	0.8001	Ave		0.7535				9.3		20.0			
Pentachloronitrobenzene	0.1258 0.1214	0.0987 0.1239	0.1036 0.1207	0.1059	0.1217	Ave		0.1152				9.2		20.0			
Pronamide	0.2196 0.3123	0.2753 0.3184	0.2311 0.3144	0.2520	0.3015	Ave		0.2781				14.2		20.0			
Dinoseb	+++++ 0.1918	+++++ 0.2073	0.1174 0.2126	0.1404	0.1843	Lin2	-0.118	0.2025							0.9910		0.9900
Disulfoton	+++++ 0.4989	+++++ 0.4970	0.4325 0.5019	0.4245	0.4948	Ave		0.4749				7.6		20.0			
Phenanthrene	1.1480 1.0742	1.1188 1.0604	1.0332 1.0360	0.9522	1.0834	Ave		1.0633			0.7000	5.6		20.0			
Anthracene	0.9576 1.0747	1.1232 1.0757	0.9749 1.0565	0.9140	1.0823	Ave		1.0324			0.7000	7.1		20.0			
Carbazole	0.8820 0.9423	0.8126 0.9435	0.7918 0.9262	0.7990	0.9428	Ave		0.8800			0.0100	7.8		20.0			
Methyl parathion	+++++ 0.2115	+++++ 0.2230	0.1253 0.2270	0.1530	0.1956	Lin2	-0.129	0.2185							0.9920		0.9900
Di-n-butyl phthalate	0.9043 1.0418	0.8051 1.0480	0.8345 1.0453	0.8472	1.0232	Ave		0.9437			0.0100	11.3		20.0			
Parathion	+++++ 0.1273	+++++ 0.1344	0.0885 0.1389	0.0910	0.1196	Ave		0.1166				18.7		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.0809	+++++ 0.0920	+++++ 0.0982	0.0517	0.0698	Lin2	-0.192	0.1001							0.9960		0.9900
Octachlorostyrene	0.1141 0.1033	0.1176 0.1018	0.0945 0.1022	0.0939	0.1051	Ave		0.1041				8.0		20.0			
Isodrin	+++++ 0.1326	0.1790 0.1319	0.1392 0.1319	0.1182	0.1366	Ave		0.1385				13.8		20.0			
Fluoranthene	1.1380 1.2087	1.1405 1.2016	1.0674 1.1819	1.0345	1.2084	Ave		1.1476			0.6000	5.8		20.0			
Benzidine	+++++ 0.7287	+++++ 0.7315	0.5120 0.6884	0.5665	0.7017	Ave		0.6548				14.1		20.0			
Pyrene	1.3415 1.2227	1.2721 1.2223	1.1631 1.1698	1.0943	1.2250	Ave		1.2139			0.6000	6.1		20.0			

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
p-Dimethylamino azobenzene	+++++ 0.2125	+++++ 0.2251	0.1259 0.2258	0.1449	0.1936	Lin1	-0.180	0.2289							0.9970		0.9900
Chlorobenzilate	+++++ 0.3075	+++++ 0.3096	0.2057 0.3092	0.2331	0.2922	Ave		0.2762				16.4		20.0			
3,3'-Dimethylbenzidine	+++++ 0.6832	+++++ 0.6743	+++++ 0.6650	0.5282	0.6413	Ave		0.6384				10.0		20.0			
Butylbenzylphthalate	+++++ 0.4342	+++++ 0.4484	0.3025 0.4359	0.3364	0.4166	Ave		0.3957			0.0100	15.4		20.0			
2-Acetylaminofluorene	+++++ 0.3453	+++++ 0.3757	+++++ 0.3815	0.2289	0.3055	Ave		0.3274				19.2		20.0			
3,3'-Dichlorobenzidine	+++++ 0.4502	+++++ 0.4673	0.3094 0.4531	0.3433	0.4272	Ave		0.4084			0.0100	16.1		20.0			
4,4'-Methylene bis(2-chloroaniline)	+++++ 0.2391	+++++ 0.2453	0.1728 0.2427	0.1848	0.2316	Ave		0.2194				14.6		20.0			
Benzo[a]anthracene	0.9545 1.1988	1.0309 1.2171	0.9853 1.1820	1.0046	1.1800	Ave		1.0942			0.8000	10.0		20.0			
Chrysene	1.1798 1.1817	1.0724 1.2055	1.0651 1.1458	1.0300	1.1745	Ave		1.1319			0.7000	5.8		20.0			
Bis(2-ethylhexyl) phthalate	0.4430 0.5670	0.3671 +++++	0.3499 +++++	0.4086	0.5376	Ave		0.4455			0.0100	20.0		20.0			
6-Methylchrysene	0.7741 0.7929	0.7161 0.8068	0.6176 0.7986	0.6550	0.7712	Ave		0.7415				9.6		20.0			
Di-n-octyl phthalate	0.7878 1.0149	0.7278 +++++	0.6113 +++++	0.6440	0.9055	Ave		0.7819			0.0100	19.9		20.0			
7,12-Dimethylbenz(a)anthracene	0.4363 0.6017	0.4632 0.6163	0.4461 0.6328	0.4627	0.5830	Ave		0.5303				16.1		20.0			
Benzo[b]fluoranthene	1.2889 1.4255	1.2386 1.4111	1.1604 1.4135	1.1724	1.4172	Ave		1.3159			0.7000	8.7		20.0			
Benzo[k]fluoranthene	1.2598 1.4005	1.1078 1.4572	1.2799 1.4345	1.2959	1.4247	Ave		1.3325			0.7000	8.9		20.0			
Benzo[a]pyrene	1.0288 1.1409	0.9066 1.1665	0.8819 1.1703	0.9449	1.0883	Ave		1.0410			0.7000	11.3		20.0			
3-Methylcholanthrene	0.6173 0.6203	0.5274 0.6288	0.4344 0.6469	0.4580	0.5823	Ave		0.5644				14.5		20.0			

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibenz[a,h]acridine	0.8115 0.8969	0.7385 0.9142	0.6334 0.9482	0.6746	0.8600	Ave		0.8097				14.4		20.0			
Dibenz[a,j]acridine	0.7733 1.0466	0.7712 1.0878	0.7914 1.0755	0.8365	1.0337	Ave		0.9270				15.7		20.0			
Indeno[1,2,3-cd]pyrene	0.8368 1.0071	0.8108 1.0558	0.7889 1.0290	0.8342	0.9780	Ave		0.9176			0.5000	12.0		20.0			
Dibenz(a,h)anthracene	1.0196 1.1646	0.9860 1.1899	0.9570 1.2183	0.9763	1.1484	Ave		1.0825			0.4000	10.0		20.0			
Benzo[g,h,i]perylene	1.1301 1.1884	1.0616 1.1946	1.0466 1.1985	1.0105	1.1883	Ave		1.1273			0.5000	6.8		20.0			
2-Fluorophenol (Surr)	1.3521 1.4134	1.4215 1.4038	1.3057 1.4019	1.2338	1.4228	Ave		1.3694				5.0		20.0			
Phenol-d5 (Surr)	2.0436 1.9149	1.8049 1.9287	1.7061 1.9048	1.6728	1.9669	Ave		1.8678				6.9		20.0			
Nitrobenzene-d5 (Surr)	0.5359 0.5349	0.5110 0.5472	0.4945 0.5294	0.4466	0.5384	Ave		0.5172				6.4		20.0			
2-Fluorobiphenyl (Surr)	1.5934 1.4645	1.5506 1.4042	1.4551 1.4217	1.3642	1.4813	Ave		1.4669				5.1		20.0			
2,4,6-Tribromophenol (Surr)	0.2228 0.2536	0.2291 0.2576	0.2199 0.2648	0.2228	0.2503	Ave		0.2401				7.6		20.0			
p-Terphenyl-d14 (Surr)	0.9050 0.9527	0.9393 0.9462	0.8821 0.9024	0.8405	0.9614	Ave		0.9162				4.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-314883/3	DK0702.D
Level 2	IC 410-314883/4	DK0703.D
Level 3	IC 410-314883/9	DK0708.D
Level 4	IC 410-314883/8	DK0707.D
Level 5	IC 410-314883/7	DK0706.D
Level 6	ICIS 410-314883/2	DK0701a.D
Level 7	IC 410-314883/6	DK0705.D
Level 8	IC 410-314883/5	DK0704.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	+++++	+++++	19208	52979	116279	+++++	+++++	1.25	3.75	7.50
			198388	310825	454635			12.5	20.0	30.0		
N-Nitrosodimethylamine	DCBd 4	Ave	3448	8357	32764	84839	188782	0.125	0.250	1.25	3.75	7.50
			326974	507394	739971			12.5	20.0	30.0		
Pyridine	DCBd 4	Ave	11920	20532	96640	266973	593835	0.250	0.500	2.50	7.50	15.0
			1041956	1597968	2354725			25.0	40.0	60.0		
N,N-dimethylformamide	DCBd 4	Ave	+++++	+++++	34919	79312	194773	+++++	+++++	1.25	3.75	7.50
			313852	532852	813545			12.5	20.0	30.0		
2-Picoline	DCBd 4	Ave	4919	10354	50850	135562	301353	0.125	0.250	1.25	3.75	7.50
			534264	805272	1206631			12.5	20.0	30.0		
N-Nitrosomethylethylamine	DCBd 4	Ave	+++++	+++++	25993	59736	132478	+++++	+++++	1.25	3.75	7.50
			235170	353437	522562			12.5	20.0	30.0		
Methyl methanesulfonate	DCBd 4	Ave	2974	5279	29536	83107	181379	0.125	0.250	1.25	3.75	7.50
			326490	492398	739509			12.5	20.0	30.0		
N-Nitrosodiethylamine	DCBd 4	Ave	2043	3935	18613	53663	120068	0.125	0.250	1.25	3.75	7.50
			220928	327624	486736			12.5	20.0	30.0		
Ethyl methanesulfonate	DCBd 4	Ave	2115	4514	20664	61024	131986	0.125	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

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
			238110	349606	533227			12.5	20.0	30.0		
Benzaldehyde	DCBd 4	Ave	434849	9651 626387	44786 885548	125752	256732	12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenol	DCBd 4	Ave	596839	5932 10163 918948	53123 1348745	153484	339287	12.5	0.125 0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd 4	Ave	716568	6671 11319 1110128	65172 1616273	183583	407863	12.5	0.125 0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd 4	Ave	493384	3736 9409 742708	44945 1094512	123451	273374	12.5	0.125 0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd 4	Ave	403791	3694 6302 614961	33583 887505	100194	224315	12.5	0.125 0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd 4	Ave	459200	4785 7665 695230	44708 1022844	115485	260301	12.5	0.125 0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dichlorobenzene	DCBd 4	Ave	465769	4592 8472 703883	43783 1032815	119862	266291	12.5	0.125 0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd 4	Ave	280959	3096 4957 438990	25438 633309	70861	157143	12.5	0.125 0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd 4	Ave	437809	3959 8565 666345	41267 970720	112499	250028	12.5	0.125 0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd 4	Ave	393585	3818 7133 596941	33778 888365	96789	222708	12.5	0.125 0.250 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	529115	5881 13109 789285	49900 1159064	131114	298430	12.5	0.125 0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd 4	Ave		1933 3679	20643	57170	129226		0.125 0.250	1.25	3.75	7.50

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

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
			231675	352797	526877			12.5	20.0	30.0		
4-Methylphenol (and/or 3-Methylphenol)	DCBd 4	Ave	4575 408099	8178 629891	35921 943387	100946	231997	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd 4	Ave	3655 394598	7011 610700	36004 914772	98234	222497	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd 4	Ave	6660 653264	11758 987933	60970 1472540	166998	378833	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd 4	Ave	3377 277943	6060 424509	22353 627303	70208	156324	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o-Toluidine	DCBd 4	Ave	6899 714537	12753 1104777	62683 1620996	179758	409294	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd 4	Ave	2092 197315	3926 296181	17662 431529	51304	109962	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	6929 568413	10401 866805	48824 1260544	142898	323648	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	2144 212628	3534 321815	19202 476522	52610	120156	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	9508 971083	15128 1493554	87697 2192455	243279	545922	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	1506 203154	3594 312704	15218 460794	45064	110687	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	4473 456138	7334 713645	39555 1049421	118039	257198	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	2627 240007	3771 383414	23232 554139	62743	141152	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	6026 577314	11515 876750	50096 1297245	147684	329486	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	3681 348890	5037 547956	29396 796013	83685	195226	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

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	+++++ 414173	8283 634983	40075 924779	109373	239607	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	10723 1148521	21990 1755719	111084 2552170	297002	660202	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	3483 380791	6776 590083	33891 857942	92905	212296	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	3339 479119	8003 745114	41769 1085482	119961	273987	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	3286 352721	5424 545195	28320 801855	85958	199582	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	3352 340253	6293 520583	29705 782482	83833	192270	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	3043 285074	4936 437791	27571 645566	72829	166570	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	6532 723176	13306 1106817	62723 1635287	179823	404616	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	 105542	2071 175874	7941 264670	28577	59933	 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	4408 428595	8962 687012	33463 1028608	107909	239147	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	4010 425283	5790 651544	34354 968402	100341	232554	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	3383 376850	6485 596258	32627 885476	90742	216462	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	2880 319006	5639 495646	28673 748828	80966	176806	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	7021 705948	13003 1109893	67497 1632434	178247	416241	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	6545 721435	13811 1133572	67751 1661528	190848	414545	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	3334 370469	6975 581643	35171 850010	94389	212746	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	5575 493081	8720 779473	46999 1140113	127240	286032	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	+++++ 60292	765 90141	5029 137530	14906	33163	+++++ 2.00	0.0400 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 Envirc Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

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	2424 285710	4992 452769	24732 663907	69413	160217	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	3215 315680	4145 500759	25064 739866	77343	178900	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	3475 337298	6323 514201	28939 770952	84644	189911	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	9670 1000084	19931 1554512	94595 2266320	258957	579412	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	8437 802917	12973 1306081	71007 1855663	197274	421883	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	6869 742643	16390 1084203	71685 1680476	200600	462502	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	5677 565140	10745 889687	54845 1296929	146455	330551	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	1454 215287	3538 362949	16966 530505	48249	120303	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	2399 296853	4664 466408	24721 694670	69401	164411	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 125274	1919 203548	8760 305116	28045	67841	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	9065 858275	15480 1365281	76610 1969798	226037	494990	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	1144 141380	2426 226252	10151 340153	33027	78091	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	+++++ 204322	3066 318388	16186 462374	49280	114165	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	9992 1108348	18863 1746799	98480 2572530	282806	639264	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	1591 194673	2306 315912	15622 462143	43813	105463	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	7016 787943	14521 1244770	74087 1841635	202919	457154	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 274079	+++++ 452838	37675 685012	94681	173645	+++++ 25.0	+++++ 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	6315 297693	13121 465943	35046 676148	68850	167525	0.750 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 Envirc Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

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	4051 427120	7586 665814	41470 974178	112551	245064	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	2063 271585	3751 432421	19840 623645	62617	148974	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	11335 1140893	20970 1765557	108069 2586713	288932	647795	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	6084 733354	10459 1143536	58804 1722370	182339	416179	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	2234 290898	4437 469525	25871 688870	72958	167848	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	6693 805823	12970 1243990	67033 1851683	189789	447318	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	8494 848279	13966 1337367	77408 1962518	214138	483488	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	1566 145529	2417 233777	11878 345938	34443	81224	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	8161 910292	17081 1443587	81649 2125375	235714	528410	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	4145 511267	9011 803016	48554 1178081	133192	287804	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	2057 243535	3183 374554	18026 569411	56645	134807	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	1393 214570	2926 341795	16644 509215	49733	119486	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 366353	+++++ 584161	41521 878051	81689	200127	+++++ 25.0	+++++ 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	5986 646535	10396 1018094	55355 1490413	163019	360227	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	10490 1125060	19929 1751729	95470 2576411	283004	644571	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	1769 167066	2588 260423	14477 388276	39806	95916	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Lin2	+++++ 103162	+++++ 172741	6206 265356	22154	54695	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	3677 319579	6401 503363	27883 759795	81471	189142	0.0925 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 Envirc Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

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	5746 683635	9482 1062592	52185 1617638	159372	380788	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	+++++ 432688	6004 688605	31003 1029254	98769	236576	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	2806 317265	6270 505999	29806 740908	83679	188525	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 116268	+++++ 177356	13042 266707	29912	67330	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	3684 351780	7042 549329	35424 803786	90900	207799	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	+++++ 388252	+++++ 621015	29180 910454	88326	213248	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	 285136	4851 445586	24487 655787	76085	163997	 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	8420 440197	16858 713571	33789 1046783	105132	248760	0.625 25.0	1.25 40.0	2.50 60.0	7.50	15.0
4-Aminobiphenyl	PHN	Ave	9679 1050266	16544 1677106	83819 2497434	255301	595560	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	1543 158934	2323 256368	13550 372198	40194	90585	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	2694 408935	6480 658986	30238 969488	95633	224392	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Lin2	+++++ 251186	+++++ 429160	15364 655631	53285	137221	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	+++++ 653262	+++++ 1028837	56595 1547537	161106	368300	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	14082 1406527	26331 2194952	135193 3194401	361400	806445	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	11747 1407256	26434 2226687	127558 3257582	346907	805641	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	10819 1233795	19124 1952916	103602 2855832	303248	701800	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Lin2	+++++ 276938	+++++ 461568	16390 700077	58083	145614	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	11093 1364211	18949 2169273	109198 3223023	321530	761612	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

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	+++++ 166653	+++++ 278271	11577 428294	34532	88995	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Lin2	+++++ 105871	+++++ 190429	+++++ 302694	19610	51941	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	1400 135225	2767 210704	12367 315004	35623	78238	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	+++++ 173665	4213 273074	18219 406763	44870	101682	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	13959 1582689	26843 2487227	139664 3644159	392625	899529	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 3018021	+++++ 4740314	210358 6788558	672613	1659158	+++++ 37.5	+++++ 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	16588 1688073	31092 2640244	159295 3845416	433084	965556	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR10	Lin1	+++++ 293418	+++++ 486134	17241 742419	57361	152584	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	+++++ 424584	+++++ 668825	28174 1016329	92267	230300	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	+++++ 943179	+++++ 1456586	+++++ 2186144	209034	505466	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Butylbenzylphthalate	PYR10	Ave	+++++ 599459	+++++ 968571	41434 1433063	133120	328343	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 476757	+++++ 811441	+++++ 1253965	90578	240797	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	+++++ 621503	+++++ 1009434	42381 1489485	135876	336691	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	+++++	+++++	23664	73135	182560	+++++	+++++	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

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
			330153	529962	797774			12.5	20.0	30.0		
Benzo[a]anthracene	PYR10	Ave	11802 1655156	25197 2629112	134940 3885572	397601	930058	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	14588 1631515	26210 2603941	145879 3766572	407618	925780	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	5478 782760	8972 +++++	47928 +++++	161714	423765	0.125 12.5	0.250 +++++	1.25 +++++	3.75	7.50
6-Methylchrysene	PYR10	Ave	9571 1094642	17502 1742802	84586 2625170	259222	607905	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	7641 1165197	13904 +++++	65044 +++++	203919	576412	0.125 12.5	0.250 +++++	1.25 +++++	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	4231 690864	8848 1108720	47468 1693081	146500	371101	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	12500 1636681	23662 2538555	123464 3781472	371239	902134	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	12218 1607890	21163 2621406	136175 3837847	410331	906875	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	9978 1309908	17320 2098606	93830 3131042	299191	692743	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	5987 712172	10076 1131281	46225 1730616	145020	370670	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	7870 1029704	14108 1644666	67398 2536878	213613	547456	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	7500 1201588	14733 1956855	84202 2877464	264861	658017	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	8116 1156215	15490 1899322	83941 2752811	264140	622552	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	9889 1337063	18836 2140708	101822 3259473	309123	731044	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	10960 1364413	20280 2149117	111359 3206481	319970	756415	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

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	7845 873432	16037 1313121	79137 1946907	215227	486378	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd 4	Ave	11857 1183321	20362 1804073	103400 2645298	291811	672355	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	10595 1129022	19765 1744689	105981 2552276	287832	644048	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	19394 1905087	36457 2948384	185466 4283210	500424	1109574	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	2712 329954	5387 540820	28026 797732	81712	187492	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	22380 2630683	45915 4087823	241630 5933075	665243	1515548	0.250 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
Lin2 = Linear 1/conc^2 ISTD

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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1 Analy Batch No.: 314883

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2022 18:52 Calibration End Date: 11/07/2022 21:25 Calibration ID: 43912

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-314883/3	DK0702.D
Level 2	IC 410-314883/4	DK0703.D
Level 3	IC 410-314883/9	DK0708.D
Level 4	IC 410-314883/8	DK0707.D
Level 5	IC 410-314883/7	DK0706.D
Level 6	ICIS 410-314883/2	DK0701a.D
Level 7	IC 410-314883/6	DK0705.D
Level 8	IC 410-314883/5	DK0704.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
1,3,5-Trinitrobenzene	+++++ 4.5	+++++ 6.7	4.3	-13.4	-2.8	0.6	30	30	50	30	30	30
Dinoseb	+++++ 5.3	+++++ 6.9	4.7	-15.1	-1.2	-0.6	30	30	50	30	30	30
Methyl parathion	+++++ 5.0	+++++ 5.9	4.5	-14.2	-2.6	1.5	30	30	50	30	30	30
4-Nitroquinoline-1-oxide	+++++ 1.5	+++++ 4.5	+++++	2.7	-4.7	-3.9	30	30		50	30	30
p-Dimethylamino azobenzene	+++++ 2.3	+++++ 1.3	17.9	-15.7	-4.9	-0.9	30	30	50	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0701a.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 07-Nov-2022 18:52:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Misc. Info.: 410-0070576-002
Operator ID: kel10217 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub24

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 11:34:11 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: W6XI Date: 08-Nov-2022 11:24:21

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.896	1.896	0.000	93	198388	12.5	12.4	
	3 N-Nitrosodimethylamine	74	2.123	2.123	0.000	94	326974	12.5	11.7	
	4 Pyridine	79	2.164	2.164	0.000	96	1041956	25.0	24.4	
	5 Dimethylformamide	73	2.455	2.455	0.000	94	313852	12.5	11.7	
	6 2-Picoline	93	2.764	2.764	0.000	90	534264	12.5	12.6	
	7 N-Nitrosomethylethylamine	88	2.846	2.846	0.000	93	235170	12.5	12.4	
	8 Methyl methanesulfonate	80	3.114	3.114	0.000	86	326490	12.5	13.0	
$	10 2-Fluorophenol	112	3.266	3.266	0.000	93	873432	25.0	25.8	
	11 N-Nitrosodiethylamine	102	3.499	3.499	0.000	96	220928	12.5	13.1	
	12 Ethyl methanesulfonate	109	3.773	3.773	0.000	97	238110	12.5	12.9	
	14 Benzaldehyde	77	4.111	4.111	0.000	94	434849	12.5	12.1	
$	17 Phenol-d5	99	4.140	4.140	0.000	95	1183321	25.0	25.6	
	18 Phenol	94	4.152	4.152	0.000	94	596839	12.5	12.7	
	16 Aniline	93	4.204	4.204	0.000	95	716568	12.5	12.9	
	19 Bis(2-chloroethyl)ether	93	4.262	4.262	0.000	96	493384	12.5	13.1	
	20 2-Chlorophenol	128	4.315	4.315	0.000	92	403791	12.5	13.3	
	21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	93	459200	12.5	12.6	
*	22 1,4-Dichlorobenzene-d4	152	4.525	4.525	0.000	95	123592	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	89	465769	12.5	12.6	
	25 Benzyl alcohol	108	4.641	4.641	0.000	88	280959	12.5	12.5	
	24 1,2-Dichlorobenzene	146	4.682	4.682	0.000	92	437809	12.5	12.6	
	27 2-Methylphenol	108	4.740	4.740	0.000	95	393585	12.5	12.8	
	28 2,2'-oxybis[1-chloropropane]	45	4.775	4.775	0.000	91	529115	12.5	12.0	
	30 N-Nitrosopyrrolidine	100	4.874	4.874	0.000	90	231675	12.5	13.2	
	35 4-Methylphenol	108	4.886	4.886	0.000	94	408099	12.5	12.3	
	32 N-Nitrosodi-n-propylamine	70	4.898	4.898	0.000	72	394598	12.5	12.7	
	31 Acetophenone	105	4.898	4.898	0.000	91	653264	12.5	12.5	
	33 N-Nitrosomorpholine	56	4.915	4.915	0.000	91	277943	12.5	12.1	
	34 2-Toluidine	106	4.933	4.933	0.000	95	714537	12.5	12.7	
	36 Hexachloroethane	117	5.008	5.008	0.000	90	197315	12.5	12.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 37 Nitrobenzene-d5	82	5.043	5.043	0.000	87	1129022	25.0	25.9	
38 Nitrobenzene	77	5.061	5.061	0.000	85	568413	12.5	12.6	
39 N-Nitrosopiperidine	114	5.207	5.207	0.000	83	212628	12.5	13.0	
40 Isophorone	82	5.288	5.288	0.000	96	971083	12.5	13.2	
41 2-Nitrophenol	139	5.364	5.364	0.000	90	203154	12.5	13.9	
42 2,4-Dimethylphenol	107	5.399	5.399	0.000	97	456138	12.5	13.0	
43 o,o',o''-Triethylphosphorothioat	198	5.469	5.469	0.000	84	240007	12.5	12.6	
44 Bis(2-chloroethoxy)methane	93	5.498	5.498	0.000	99	577314	12.5	12.7	
47 2,4-Dichlorophenol	162	5.591	5.591	0.000	96	348890	12.5	13.2	
48 1,2,4-Trichlorobenzene	180	5.679	5.679	0.000	93	414173	12.5	12.6	
* 49 Naphthalene-d8	136	5.731	5.731	0.000	99	422146	5.00	5.00	
50 Naphthalene	128	5.754	5.754	0.000	98	1148521	12.5	12.8	
51 Alpha-Terpineol	59	5.760	5.760	0.000	92	380791	12.5	13.1	
52 4-Chloroaniline	127	5.801	5.801	0.000	93	479119	12.5	13.6	
53 2,6-Dichlorophenol	162	5.807	5.807	0.000	94	352721	12.5	13.4	
54 Hexachloropropene	213	5.836	5.836	0.000	87	340253	12.5	12.9	
55 Hexachlorobutadiene	225	5.871	5.871	0.000	93	285074	12.5	12.6	
56 Quinoline	129	6.069	6.069	0.000	95	723176	12.5	13.1	
57 Caprolactam	113	6.110	6.110	0.000	78	105542	12.5	12.7	
59 N-Nitrosodi-n-butylamine	84	6.122	6.122	0.000	90	428595	12.5	12.6	
58 p-Phenylene diamine	108	6.133	6.133	0.000	94	425283	12.5	13.7	
60 4-Chloro-3-methylphenol	107	6.256	6.256	0.000	92	376850	12.5	13.1	
61 Safrole, Total	162	6.331	6.331	0.000	88	319006	12.5	13.0	
62 2-Methylnaphthalene	142	6.413	6.413	0.000	92	705948	12.5	12.6	
63 1-Methylnaphthalene	142	6.506	6.506	0.000	94	721435	12.5	12.7	
64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	94	370469	12.5	12.8	
65 1,2,4,5-Tetrachlorobenzene	216	6.570	6.570	0.000	97	493081	12.5	12.4	
66 Isosafrole Peak 1	162	6.605	6.605	0.000	89	60292	2.00	2.22	
68 2,4,6-Trichlorophenol	196	6.675	6.675	0.000	83	285710	12.5	13.2	
69 2,4,5-Trichlorophenol	196	6.705	6.705	0.000	92	315680	12.5	13.4	
$ 70 2-Fluorobiphenyl (Surr)	172	6.763	6.763	0.000	100	1905087	25.0	25.0	
71 Isosafrole Peak 2	162	6.821	6.821	0.000	89	337298	10.5	10.8	
77 1,1'-Biphenyl	154	6.856	6.856	0.000	94	1000084	12.5	12.6	
78 2-Chloronaphthalene	162	6.874	6.874	0.000	95	802917	12.5	13.0	
79 1-Chloronaphthalene	162	6.897	6.897	0.000	99	742643	12.5	12.3	
80 Phenyl ether	170	6.955	6.955	0.000	88	565140	12.5	12.5	
81 2-Nitroaniline	138	6.967	6.967	0.000	75	215287	12.5	13.7	
82 1,4-Naphthoquinone	158	7.043	7.043	0.000	82	296853	12.5	13.6	
83 1,4-Dinitrobenzene	168	7.101	7.101	0.000	84	125274	12.5	13.8	
84 Dimethyl phthalate	163	7.142	7.142	0.000	97	858275	12.5	12.6	
85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	84	141380	12.5	13.6	
86 2,6-Dinitrotoluene	165	7.200	7.200	0.000	91	204322	12.5	13.7	
87 Acenaphthylene	152	7.264	7.264	0.000	99	1108348	12.5	13.0	
88 3-Nitroaniline	138	7.352	7.352	0.000	86	194673	12.5	14.1	
* 89 Acenaphthene-d10	164	7.398	7.398	0.000	96	260175	5.00	5.00	
90 Acenaphthene	153	7.433	7.433	0.000	96	787943	12.5	12.8	
91 2,4-Dinitrophenol	184	7.451	7.451	0.000	84	274079	25.0	27.0	
93 4-Nitrophenol	109	7.503	7.503	0.000	83	297693	25.0	28.1	
92 Pentachlorobenzene	250	7.556	7.556	0.000	98	427120	12.5	12.7	
95 2,4-Dinitrotoluene	165	7.579	7.579	0.000	90	271585	12.5	14.1	
94 Dibenzofuran	168	7.596	7.596	0.000	97	1140893	12.5	12.7	
96 1-Naphthylamine	143	7.666	7.666	0.000	98	733354	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 2,3,4,6-Tetrachlorophenol	232	7.707	7.707	0.000	75	290898	12.5	13.4	
98 2-Naphthylamine	143	7.742	7.742	0.000	95	805823	12.5	13.6	
99 Diethyl phthalate	149	7.818	7.818	0.000	98	848279	12.5	12.9	
101 Thionazin	107	7.894	7.894	0.000	78	145529	12.5	12.9	
100 Fluorene	166	7.923	7.923	0.000	93	910292	12.5	12.8	
102 4-Chlorophenyl phenyl ether	204	7.923	7.923	0.000	87	511267	12.5	13.0	
103 N-Nitro-o-toluidine	152	7.929	7.929	0.000	88	243535	12.5	14.0	
104 4-Nitroaniline	138	7.929	7.929	0.000	79	214570	12.5	14.2	
105 4,6-Dinitro-2-methylphenol	198	7.958	7.958	0.000	86	366353	25.0	27.2	
106 N-Nitrosodiphenylamine	169	8.033	8.033	0.000	63	646535	10.6	11.2	
107 1,2-Diphenylhydrazine	77	8.074	8.074	0.000	41	1125060	12.5	13.0	
$ 108 2,4,6-Tribromophenol	330	8.144	8.144	0.000	94	329954	25.0	26.4	
109 Sulfotepp	97	8.185	8.185	0.000	78	167066	12.5	13.0	
110 1,3,5-Trinitrobenzene	213	8.272	8.272	0.000	83	103162	12.5	12.6	
111 cis-Diallate	86	8.307	8.307	0.000	0	319579	9.25	9.09	
112 Phorate	75	8.319	8.319	0.000	95	683635	12.5	13.9	
113 Phenacetin	108	8.325	8.325	0.000	90	432688	12.5	14.0	
114 4-Bromophenyl phenyl ether	248	8.389	8.389	0.000	64	317265	12.5	12.6	
115 trans-Diallate	86	8.395	8.395	0.000	0	116268	3.25	3.27	
116 Hexachlorobenzene	284	8.436	8.436	0.000	96	351780	12.5	12.3	
117 Dimethoate	87	8.476	8.476	0.000	96	388252	12.5	13.6	
118 Atrazine	200	8.541	8.541	0.000	93	285136	12.5	13.1	
119 Pentachlorophenol	266	8.622	8.622	0.000	93	440197	25.0	27.4	
121 4-Aminobiphenyl	169	8.634	8.634	0.000	91	1050266	12.5	13.3	
120 Pentachloronitrobenzene	237	8.634	8.634	0.000	86	158934	12.5	13.2	
122 Pronamide	173	8.686	8.686	0.000	91	408935	12.5	14.0	
125 Dinoseb	211	8.803	8.803	0.000	97	251186	12.5	12.4	
* 123 Phenanthrene-d10	188	8.809	8.809	0.000	97	523765	5.00	5.00	
126 Disulfoton	88	8.814	8.814	0.000	96	653262	12.5	13.1	
124 Phenanthrene	178	8.832	8.832	0.000	97	1406527	12.5	12.6	
127 Anthracene	178	8.879	8.879	0.000	98	1407256	12.5	13.0	
128 Carbazole	167	9.030	9.030	0.000	96	1233795	12.5	13.4	
129 Methyl parathion	109	9.170	9.170	0.000	94	276938	12.5	12.7	
130 Di-n-butyl phthalate	149	9.374	9.374	0.000	100	1364211	12.5	13.8	
132 Ethyl Parathion	109	9.543	9.543	0.000	85	166653	12.5	13.6	
131 4-Nitroquinoline-1-oxide	190	9.566	9.566	0.000	79	105871	12.5	12.0	
S 67 Diallate	86				0		12.5	12.4	
134 Octachlorostyrene	308	9.782	9.782	0.000	91	135225	12.5	12.4	
135 Isodrin	193	9.823	9.823	0.000	92	173665	12.5	12.0	
136 Fluoranthene	202	9.963	9.963	0.000	97	1582689	12.5	13.2	
137 Benzidine	184	10.097	10.097	0.000	99	3018021	37.5	41.7	
* 138 Pyrene-d10 (IS)	212	10.161	10.161	0.000	98	552251	5.00	5.00	
139 Pyrene	202	10.178	10.178	0.000	98	1688073	12.5	12.6	
$ 142 p-Terphenyl-d14	244	10.342	10.342	0.000	99	2630683	25.0	26.0	
145 p-Dimethylamino azobenzene	225	10.481	10.481	0.000	89	293418	12.5	12.4	
146 Chlorobenzilate	139	10.534	10.534	0.000	97	424584	12.5	13.9	
148 3,3'-Dimethylbenzidine	212	10.837	10.837	0.000	99	943179	12.5	13.4	
150 Butyl benzyl phthalate	149	10.860	10.860	0.000	96	599459	12.5	13.7	
151 2-Acetylaminofluorene	181	11.111	11.111	0.000	93	476757	12.5	13.2	
153 3,3'-Dichlorobenzidine	252	11.455	11.455	0.000	74	621503	12.5	13.8	
154 4,4'-Methylene bis(2-chloroani	231	11.461	11.461	0.000	96	330153	12.5	13.6	
152 Benzo[a]anthracene	228	11.472	11.472	0.000	97	1655156	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
155 Chrysene	228	11.513	11.513	0.000	96	1631515	12.5	13.1	
156 Bis(2-ethylhexyl) phthalate	149	11.548	11.548	0.000	97	782760	12.5	15.9	M
157 6-Methylchrysene	242	12.096	12.096	0.000	98	1094642	12.5	13.4	
158 Di-n-octyl phthalate	149	12.428	12.428	0.000	99	1165197	12.5	16.2	
159 Benzo[b]fluoranthene	252	12.895	12.895	0.000	96	1636681	12.5	13.5	
160 7,12-Dimethylbenz(a)anthracene	256	12.895	12.895	0.000	72	690864	12.5	14.2	
161 Benzo[k]fluoranthene	252	12.935	12.935	0.000	98	1607890	12.5	13.1	
162 Benzo[a]pyrene	252	13.361	13.361	0.000	75	1309908	12.5	13.7	
* 163 Perylene-d12	264	13.442	13.442	0.000	99	459248	5.00	5.00	
164 3-Methylcholanthrene	268	13.880	13.880	0.000	89	712172	12.5	13.7	
165 Dibenz[a,h]acridine	279	14.678	14.678	0.000	90	1029704	12.5	13.8	
166 Dibenz[a,j]acridine	279	14.742	14.742	0.000	96	1201588	12.5	14.1	
167 Indeno[1,2,3-cd]pyrene	276	14.981	14.981	0.000	97	1156215	12.5	13.7	
168 Dibenz(a,h)anthracene	278	15.022	15.022	0.000	91	1337063	12.5	13.4	
169 Benzo[g,h,i]perylene	276	15.366	15.366	0.000	97	1364413	12.5	13.2	
S 170 Aramite, Total	185		44.000				12.5	ND	
S 177 Isosafrole	162				0		12.5	13.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_6_00036 Amount Added: 1.00 Units: mL

Report Date: 08-Nov-2022 11:34:12 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0701a.D

Injection Date: 07-Nov-2022 18:52:30 Instrument ID: HP19760 Operator ID: kel10217

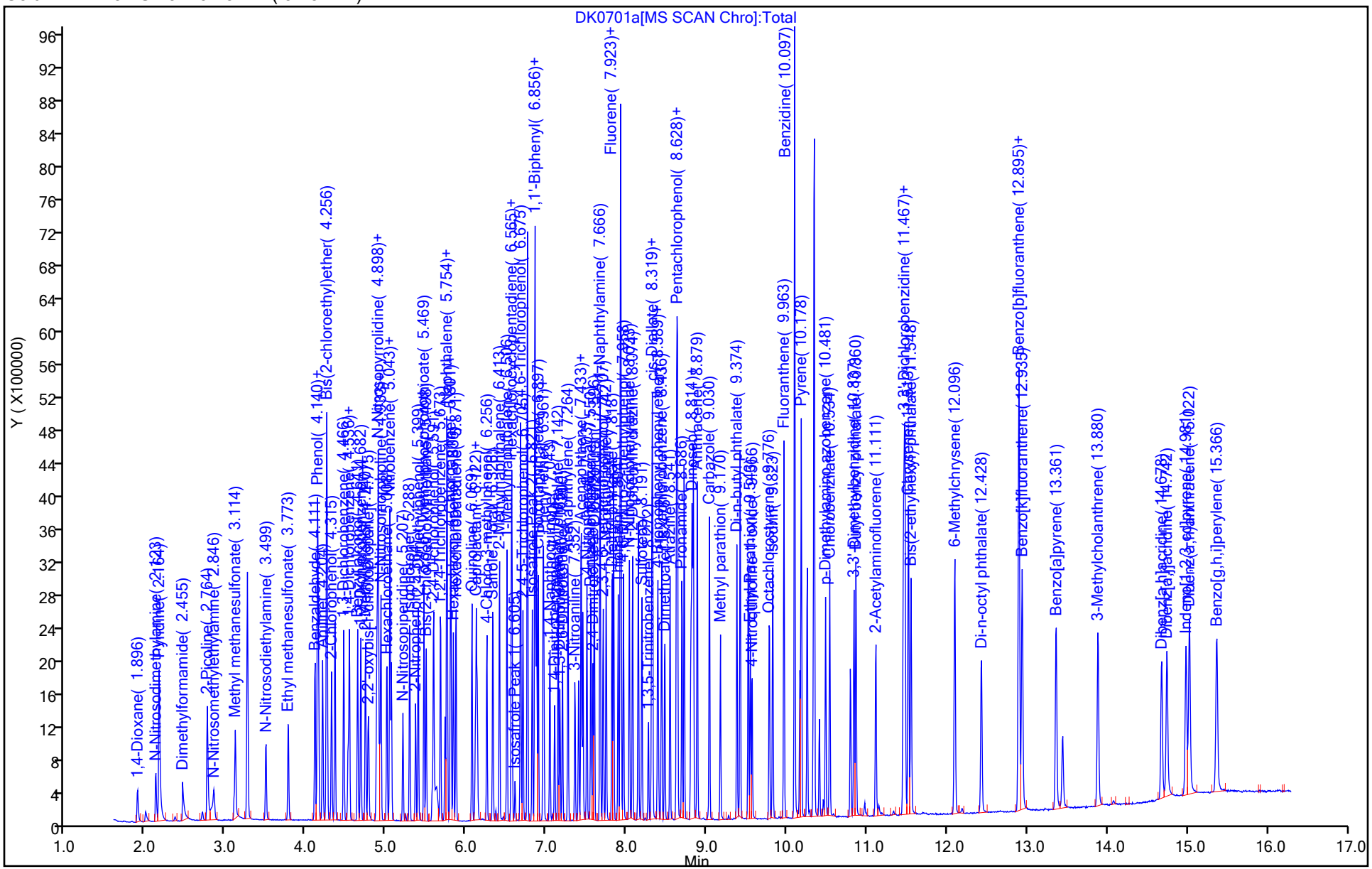
Lims ID: ICIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

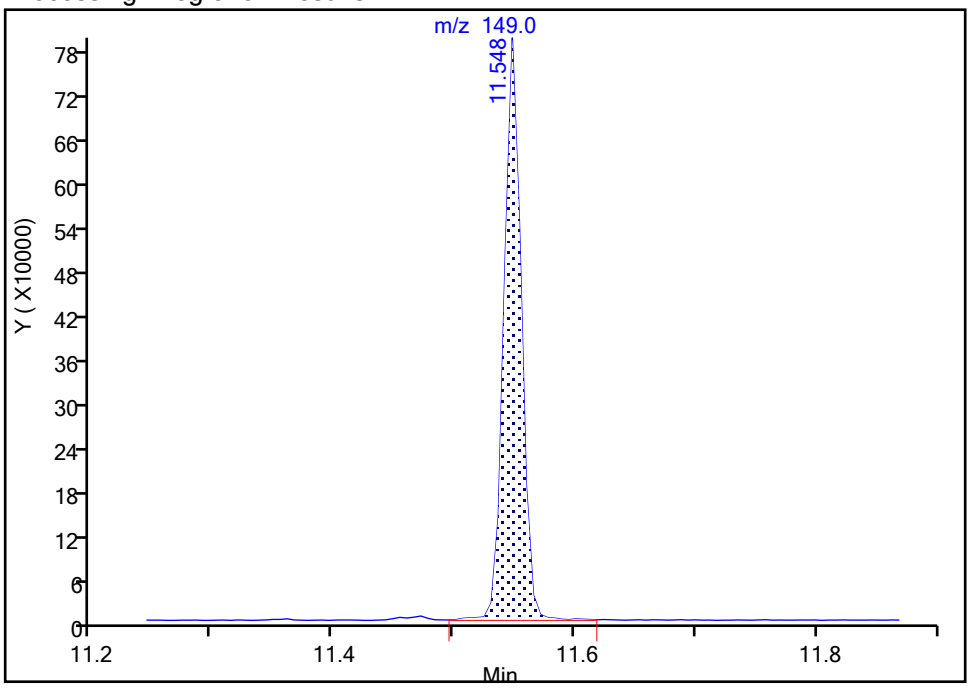
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0701a.D				
Injection Date:	07-Nov-2022 18:52:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

156 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

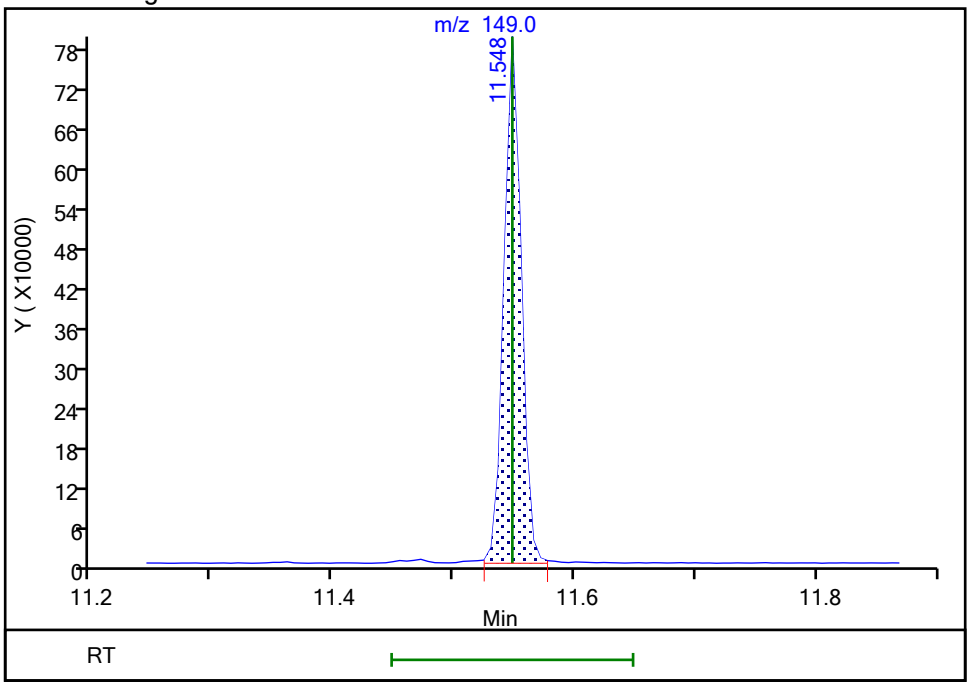
Processing Integration Results

RT: 11.55
Area: 791917
Amount: 13.114667
Amount Units: ug/ml



Manual Integration Results

RT: 11.55
Area: 782760
Amount: 15.906386
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 22:51:35
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\HP19760\20221107-70576.b\DK0702.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Nov-2022 19:20:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0070576-003
Operator ID: kel10217 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub24

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 11:34:18 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: SJ89 Date: 07-Nov-2022 19:51:38

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.907	1.896	0.011	60	1692	0.1250	0.1127	M
	3 N-Nitrosodimethylamine	74	2.141	2.123	0.018	58	3448	0.1250	0.1315	M
	4 Pyridine	79	2.187	2.164	0.023	97	11920	0.2500	0.2972	
	5 Dimethylformamide	73		2.455				ND	ND	U
	6 2-Picoline	93	2.788	2.764	0.024	89	4919	0.1250	0.1236	
	7 N-Nitrosomethylethylamine	88		2.846				ND	ND	U
	8 Methyl methanesulfonate	80	3.120	3.114	0.006	85	2974	0.1250	0.1262	
$	10 2-Fluorophenol	112	3.265	3.266	-0.001	92	7845	0.2500	0.2468	
	11 N-Nitrosodiethylamine	102	3.499	3.499	0.000	83	2043	0.1250	0.1292	
	12 Ethyl methanesulfonate	109	3.778	3.773	0.005	95	2115	0.1250	0.1221	
$	17 Phenol-d5	99	4.140	4.140	0.000	93	11857	0.2500	0.2735	
	18 Phenol	94	4.151	4.152	-0.001	48	5932	0.1250	0.1347	
	16 Aniline	93	4.204	4.204	0.000	51	6671	0.1250	0.1280	
	19 Bis(2-chloroethyl)ether	93	4.262	4.262	0.000	75	3736	0.1250	0.1054	
	20 2-Chlorophenol	128	4.315	4.315	0.000	84	3694	0.1250	0.1291	
	21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	91	4785	0.1250	0.1401	
*	22 1,4-Dichlorobenzene-d4	152	4.519	4.525	-0.006	96	116042	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	88	4592	0.1250	0.1323	
	25 Benzyl alcohol	108	4.641	4.641	0.000	86	3096	0.1250	0.1466	
	24 1,2-Dichlorobenzene	146	4.682	4.682	0.000	92	3959	0.1250	0.1214	
	27 2-Methylphenol	108	4.734	4.740	-0.006	93	3818	0.1250	0.1324	
	28 2,2'-oxybis[1-chloropropane]	45	4.775	4.775	0.000	87	5881	0.1250	0.1416	
	30 N-Nitrosopyrrolidine	100	4.880	4.874	0.006	54	1933	0.1250	0.1174	
	35 4-Methylphenol	108	4.880	4.886	-0.006	91	4575	0.1250	0.1467	
	32 N-Nitrosodi-n-propylamine	70	4.892	4.898	-0.006	75	3655	0.1250	0.1257	
	31 Acetophenone	105	4.897	4.898	-0.001	93	6660	0.1250	0.1361	
	33 N-Nitrosomorpholine	56	4.915	4.915	0.000	86	3377	0.1250	0.1572	
	34 2-Toluidine	106	4.927	4.933	-0.006	94	6899	0.1250	0.1309	
	36 Hexachloroethane	117	5.008	5.008	0.000	85	2092	0.1250	0.1407	
$	37 Nitrobenzene-d5	82	5.043	5.043	0.000	89	10595	0.2500	0.2590	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
38 Nitrobenzene	77	5.061	5.061	0.000	84	6929	0.1250	0.1636	
39 N-Nitrosopiperidine	114	5.206	5.207	-0.001	85	2144	0.1250	0.1405	
40 Isophorone	82	5.288	5.288	0.000	95	9508	0.1250	0.1375	
41 2-Nitrophenol	139	5.364	5.364	0.000	86	1506	0.1250	0.1100	
42 2,4-Dimethylphenol	107	5.393	5.399	-0.006	92	4473	0.1250	0.1366	
43 o,o',o''-Triethylphosphorothioat	198	5.469	5.469	0.000	76	2627	0.1250	0.1471	
44 Bis(2-chloroethoxy)methane	93	5.498	5.498	0.000	94	6026	0.1250	0.1412	
47 2,4-Dichlorophenol	162	5.585	5.591	-0.006	83	3681	0.1250	0.1491	
48 1,2,4-Trichlorobenzene	180	5.673	5.679	-0.006	81	5412	0.1250	0.1763	
* 49 Naphthalene-d8	136	5.731	5.731	0.000	100	395445	5.00	5.00	
50 Naphthalene	128	5.748	5.754	-0.006	95	10723	0.1250	0.1271	
51 Alpha-Terpineol	59	5.760	5.760	0.000	79	3483	0.1250	0.1282	
52 4-Chloroaniline	127	5.801	5.801	0.000	74	3339	0.1250	0.1010	
53 2,6-Dichlorophenol	162	5.807	5.807	0.000	85	3286	0.1250	0.1337	
54 Hexachloropropene	213	5.836	5.836	0.000	82	3352	0.1250	0.1358	
55 Hexachlorobutadiene	225	5.865	5.871	-0.006	88	3043	0.1250	0.1440	
56 Quinoline	129	6.069	6.069	0.000	90	6532	0.1250	0.1264	
59 N-Nitrosodi-n-butylamine	84	6.122	6.122	0.000	85	4408	0.1250	0.1385	M
58 p-Phenylene diamine	108	6.133	6.133	0.000	88	4010	0.1250	0.1380	
60 4-Chloro-3-methylphenol	107	6.250	6.256	-0.006	82	3383	0.1250	0.1256	
61 Safrole, Total	162	6.331	6.331	0.000	85	2880	0.1250	0.1255	
62 2-Methylnaphthalene	142	6.413	6.413	0.000	89	7021	0.1250	0.1339	
63 1-Methylnaphthalene	142	6.506	6.506	0.000	91	6545	0.1250	0.1231	
64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	90	3334	0.1250	0.1227	
65 1,2,4,5-Tetrachlorobenzene	216	6.564	6.570	-0.006	93	5575	0.1250	0.1499	
66 Isosafrole Peak 1	162	6.605	6.605	0.000	1	364	0.0200	0.0143	a
68 2,4,6-Trichlorophenol	196	6.675	6.675	0.000	77	2424	0.1250	0.1197	
69 2,4,5-Trichlorophenol	196	6.704	6.705	-0.001	88	3215	0.1250	0.1457	
$ 70 2-Fluorobiphenyl (Surr)	172	6.757	6.763	-0.006	99	19394	0.2500	0.2716	
71 Isosafrole Peak 2	162	6.821	6.821	0.000	90	3475	0.1050	0.1184	
77 1,1'-Biphenyl	154	6.856	6.856	0.000	92	9670	0.1250	0.1297	
78 2-Chloronaphthalene	162	6.873	6.874	-0.001	92	8437	0.1250	0.1457	
79 1-Chloronaphthalene	162	6.897	6.897	0.000	97	6869	0.1250	0.1218	
80 Phenyl ether	170	6.955	6.955	0.000	85	5677	0.1250	0.1339	
81 2-Nitroaniline	138	6.967	6.967	0.000	50	1454	0.1250	0.0988	
82 1,4-Naphthoquinone	158	7.037	7.043	-0.006	84	2399	0.1250	0.1174	
83 1,4-Dinitrobenzene	168	7.101	7.101	0.000	31	680	0.1250	0.0799	a
84 Dimethyl phthalate	163	7.142	7.142	0.000	97	9065	0.1250	0.1420	
85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	84	1144	0.1250	0.1174	
86 2,6-Dinitrotoluene	165	7.194	7.200	-0.006	18	1123	0.1250	0.0802	
87 Acenaphthylene	152	7.264	7.264	0.000	98	9992	0.1250	0.1252	
88 3-Nitroaniline	138	7.351	7.352	-0.001	83	1591	0.1250	0.1227	
* 89 Acenaphthene-d10	164	7.398	7.398	0.000	93	243431	5.00	5.00	
90 Acenaphthene	153	7.427	7.433	-0.006	96	7016	0.1250	0.1214	
91 2,4-Dinitrophenol	184	7.450	7.451	-0.001	79	7614	1.25	0.8004	
93 4-Nitrophenol	109	7.497	7.503	-0.006	80	6315	0.7500	0.6371	
92 Pentachlorobenzene	250	7.555	7.556	-0.001	91	4051	0.1250	0.1288	
95 2,4-Dinitrotoluene	165	7.579	7.579	0.000	90	2063	0.1250	0.1148	
94 Dibenzofuran	168	7.596	7.596	0.000	97	11335	0.1250	0.1350	
96 1-Naphthylamine	143	7.666	7.666	0.000	97	6084	0.1250	0.1208	
97 2,3,4,6-Tetrachlorophenol	232	7.707	7.707	0.000	68	2234	0.1250	0.1096	
98 2-Naphthylamine	143	7.742	7.742	0.000	96	6693	0.1250	0.1204	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Diethyl phthalate	149	7.812	7.818	-0.006	95	8494	0.1250	0.1377	
101 Thionazin	107	7.893	7.894	-0.001	75	1566	0.1250	0.1487	
100 Fluorene	166	7.917	7.923	-0.006	90	8161	0.1250	0.1224	
102 4-Chlorophenyl phenyl ether	204	7.923	7.923	0.000	79	4145	0.1250	0.1128	
103 N-Nitro-o-toluidine	152	7.928	7.929	-0.001	64	2057	0.1250	0.1266	
104 4-Nitroaniline	138	7.928	7.929	-0.001	63	1393	0.1250	0.0985	
105 4,6-Dinitro-2-methylphenol	198	7.958	7.958	0.000	88	6991	0.7500	0.5543	
106 N-Nitrosodiphenylamine	169	8.033	8.033	0.000	61	5986	0.1063	0.1110	
107 1,2-Diphenylhydrazine	77	8.074	8.074	0.000	42	10490	0.1250	0.1299	
$ 108 2,4,6-Tribromophenol	330	8.144	8.144	0.000	91	2712	0.2500	0.2320	
109 Sulfotepp	97	8.185	8.185	0.000	78	1769	0.1250	0.1475	
110 1,3,5-Trinitrobenzene	213	8.266	8.272	-0.006	2	581	0.1250	0.6540	
111 cis-Diallate	86	8.313	8.307	0.006	0	3677	0.0925	0.1116	
112 Phorate	75	8.319	8.319	0.000	91	5746	0.1250	0.1245	
113 Phenacetin	108	8.319	8.325	-0.006	67	2912	0.1250	0.1005	
114 4-Bromophenyl phenyl ether	248	8.389	8.389	0.000	66	2806	0.1250	0.1189	
115 trans-Diallate	86	8.395	8.395	0.000	0	1634	0.0325	0.0490	
116 Hexachlorobenzene	284	8.435	8.436	-0.001	86	3684	0.1250	0.1375	
117 Dimethoate	87	8.470	8.476	-0.006	87	2320	0.1250	0.0868	
119 Pentachlorophenol	266	8.622	8.622	0.000	91	8420	0.6250	0.5601	
121 4-Aminobiphenyl	169	8.628	8.634	-0.006	87	9679	0.1250	0.1309	
120 Pentachloronitrobenzene	237	8.634	8.634	0.000	47	1543	0.1250	0.1365	
122 Pronamide	173	8.686	8.686	0.000	84	2694	0.1250	0.0987	
125 Dinoseb	211	8.797	8.803	-0.006	60	1416	0.1250	0.6550	
* 123 Phenanthrene-d10	188	8.809	8.809	-0.001	96	490662	5.00	5.00	
126 Disulfoton	88	8.809	8.814	-0.006	54	12024	0.1250	0.2580	
124 Phenanthrene	178	8.832	8.832	0.000	95	14082	0.1250	0.1350	
127 Anthracene	178	8.878	8.879	-0.001	97	11747	0.1250	0.1160	
128 Carbazole	167	9.030	9.030	0.000	95	10819	0.1250	0.1253	
129 Methyl parathion	109	9.170	9.170	0.000	91	1661	0.1250	0.6668	
130 Di-n-butyl phthalate	149	9.374	9.374	0.000	99	11093	0.1250	0.1198	
132 Ethyl Parathion	109	9.543	9.543	0.000	1	782	0.1250	0.0683	
131 4-Nitroquinoline-1-oxide	190	9.566	9.566	0.000	4	620	0.1250	1.98	
S 67 Diallate	86				0		0.1250	0.1606	
134 Octachlorostyrene	308	9.782	9.782	0.000	76	1400	0.1250	0.1371	
135 Isodrin	193	9.823	9.823	0.000	79	4267	0.1250	0.3139	
136 Fluoranthene	202	9.963	9.963	0.000	97	13959	0.1250	0.1239	
137 Benzidine	184	10.091	10.097	-0.006	98	20115	0.3750	0.3106	
* 138 Pyrene-d10 (IS)	212	10.161	10.161	0.000	98	494593	5.00	5.00	
139 Pyrene	202	10.178	10.178	0.000	98	16588	0.1250	0.1381	
$ 142 p-Terphenyl-d14	244	10.341	10.342	-0.001	98	22380	0.2500	0.2469	
145 p-Dimethylamino azobenzene	225	10.481	10.481	0.000	88	1597	0.1250	0.8571	
146 Chlorobenzilate	139	10.534	10.534	0.000	90	2879	0.1250	0.1054	
148 3,3'-Dimethylbenzidine	212	10.831	10.837	-0.006	98	5847	0.1250	0.0926	
150 Butyl benzyl phthalate	149	10.860	10.860	0.000	94	4315	0.1250	0.1102	
151 2-Acetylaminofluorene	181	11.105	11.111	-0.006	83	2469	0.1250	0.0762	
153 3,3'-Dichlorobenzidine	252	11.449	11.455	-0.006	54	3856	0.1250	0.0954	
154 4,4'-Methylene bis(2-chloroani	231	11.461	11.461	0.000	76	1903	0.1250	0.0877	
152 Benzo[a]anthracene	228	11.472	11.472	0.000	95	11802	0.1250	0.1090	
155 Chrysene	228	11.513	11.513	0.000	95	14588	0.1250	0.1303	
156 Bis(2-ethylhexyl) phthalate	149	11.548	11.548	0.000	93	5478	0.1250	0.1243	M
157 6-Methylchrysene	242	12.090	12.096	-0.006	95	9571	0.1250	0.1305	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158 Di-n-octyl phthalate	149	12.422	12.428	-0.006	64	7641	0.1250	0.1260	
159 Benzo[b]fluoranthene	252	12.894	12.895	-0.001	95	12500	0.1250	0.1224	
160 7,12-Dimethylbenz(a)anthracene	256	12.894	12.895	-0.001	71	4231	0.1250	0.1028	
161 Benzo[k]fluoranthene	252	12.929	12.935	-0.006	95	12218	0.1250	0.1182	
162 Benzo[a]pyrene	252	13.355	13.361	-0.006	75	9978	0.1250	0.1235	
* 163 Perylene-d12	264	13.442	13.442	0.000	99	387942	5.00	5.00	
164 3-Methylcholanthrene	268	13.879	13.880	-0.001	84	5987	0.1250	0.1367	
165 Dibenz[a,h]acridine	279	14.666	14.678	-0.012	88	7870	0.1250	0.1253	
166 Dibenz[a,j]acridine	279	14.736	14.742	-0.006	7	7500	0.1250	0.1043	a
167 Indeno[1,2,3-cd]pyrene	276	14.975	14.981	-0.006	95	8116	0.1250	0.1140	M
168 Dibenz(a,h)anthracene	278	15.022	15.022	0.000	1	9889	0.1250	0.1177	
169 Benzo[g,h,i]perylene	276	15.360	15.366	-0.006	93	10960	0.1250	0.1253	
S 170 Aramite, Total	185		44.000				0.1250	ND	
S 173 Dinitrotoluene	165				0			0.1951	
S 177 Isosafrole	162				0		0.1250	0.1327	

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_1_00026 Amount Added: 1.00 Units: mL

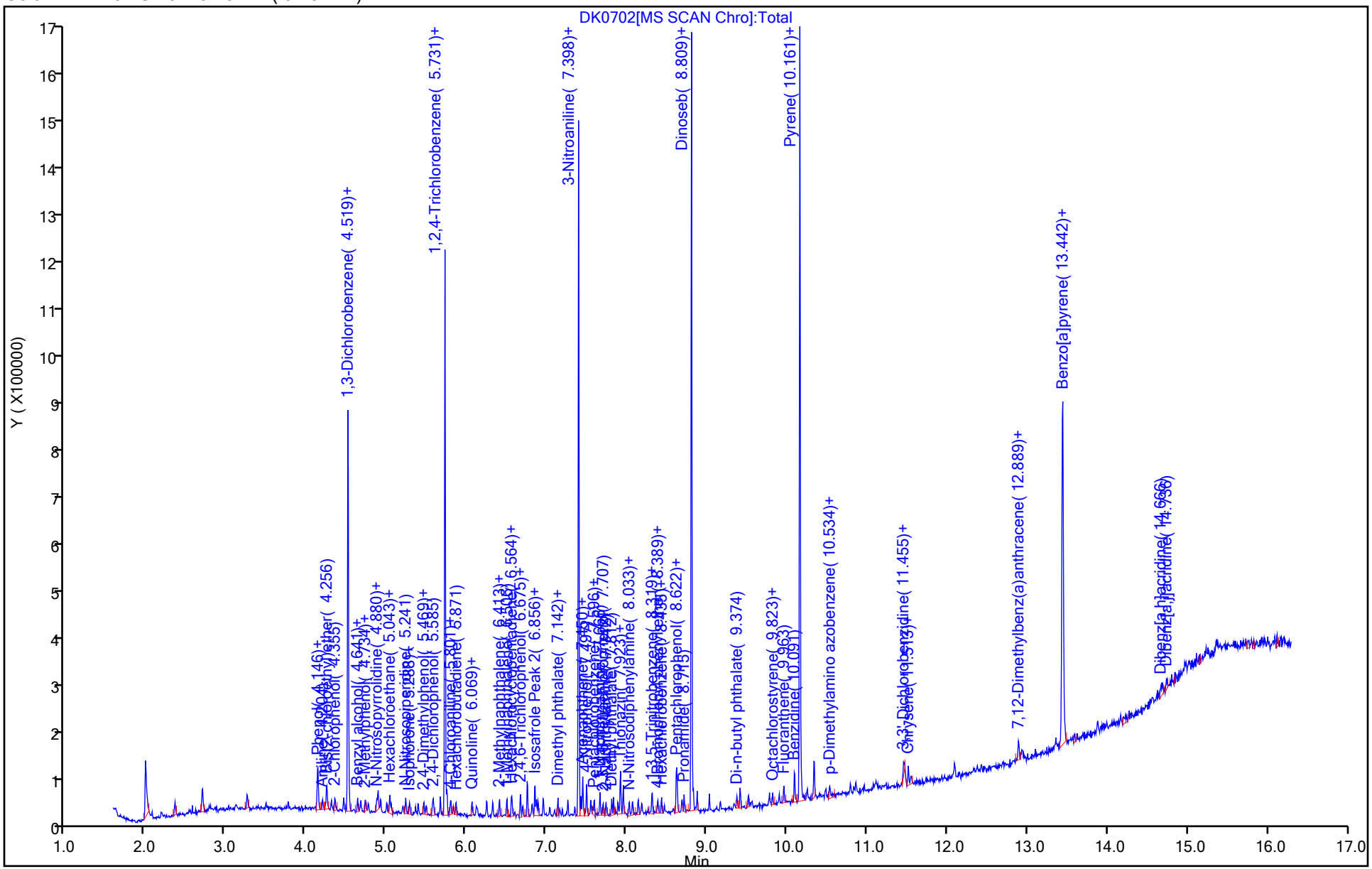
Report Date: 08-Nov-2022 11:34:19 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0702.D

Injection Date:	07-Nov-2022 19:20:30	Instrument ID:	HP19760	Operator ID:	kel10217
Lims ID:	IC L1			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

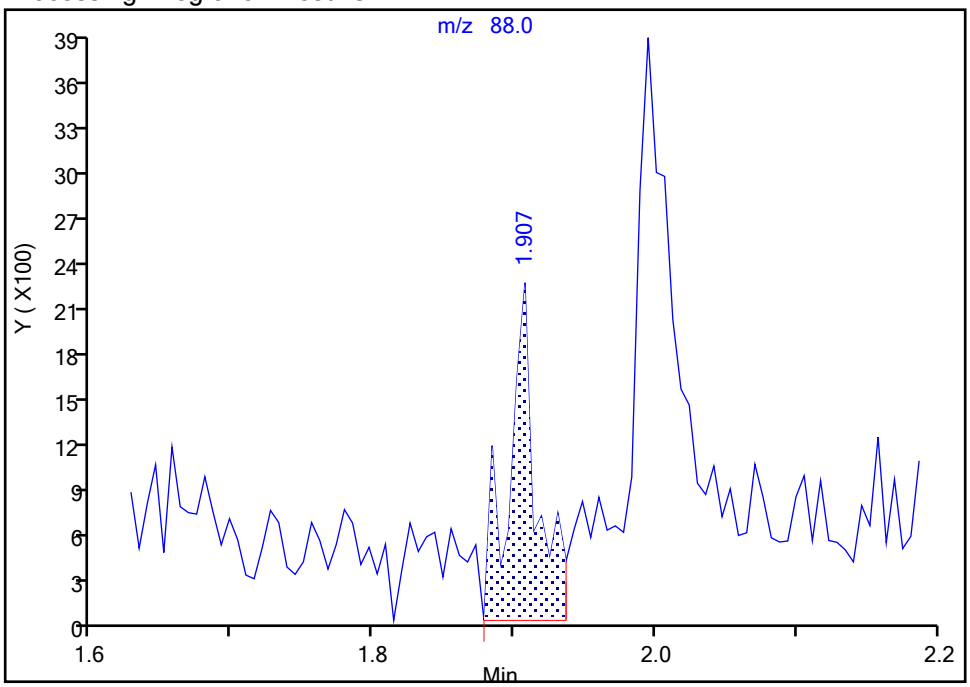
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0702.D				
Injection Date:	07-Nov-2022 19:20:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

2 1,4-Dioxane, CAS: 123-91-1

Signal: 1

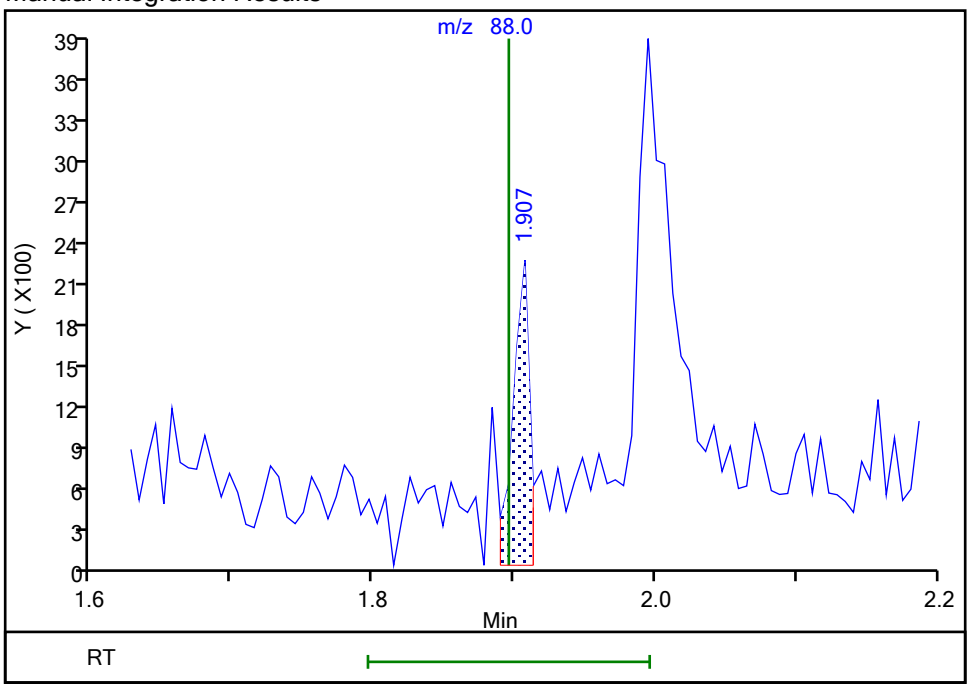
Processing Integration Results

RT: 1.91
Area: 2947
Amount: 0.153180
Amount Units: ug/ml



Manual Integration Results

RT: 1.91
Area: 1692
Amount: 0.112653
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 19:50:33
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

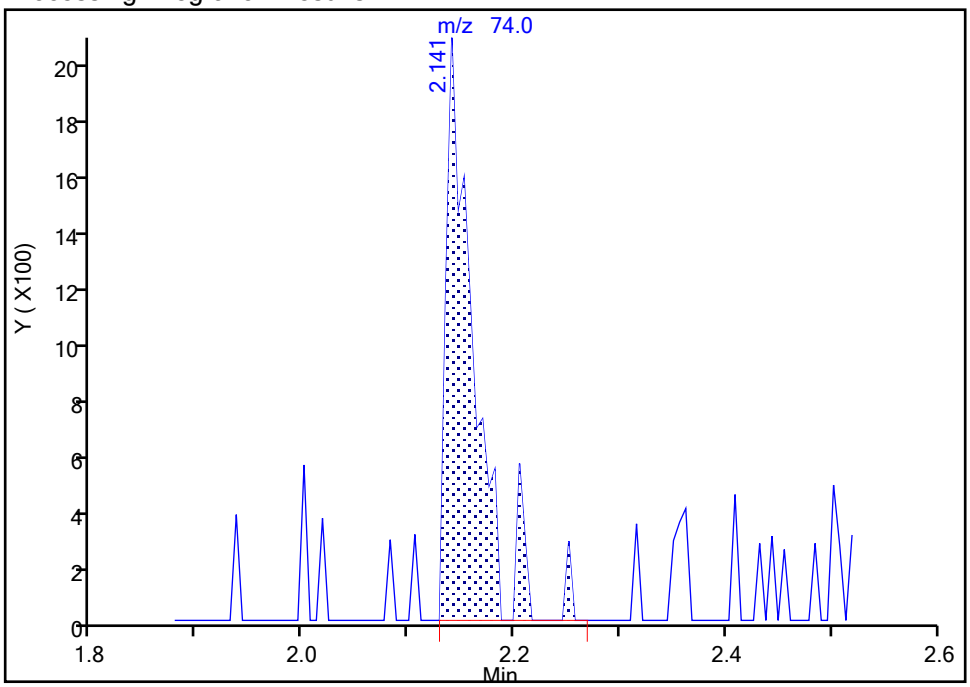
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0702.D				
Injection Date:	07-Nov-2022 19:20:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

3 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

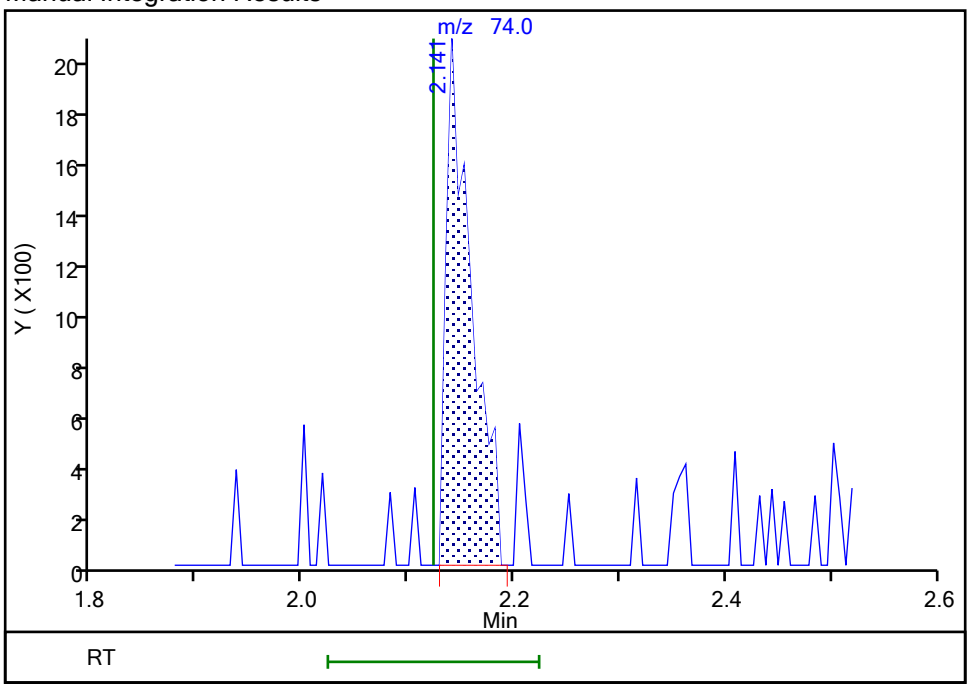
Processing Integration Results

RT: 2.14
Area: 3837
Amount: 0.138881
Amount Units: ug/ml



Manual Integration Results

RT: 2.14
Area: 3448
Amount: 0.131516
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 19:50:40
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

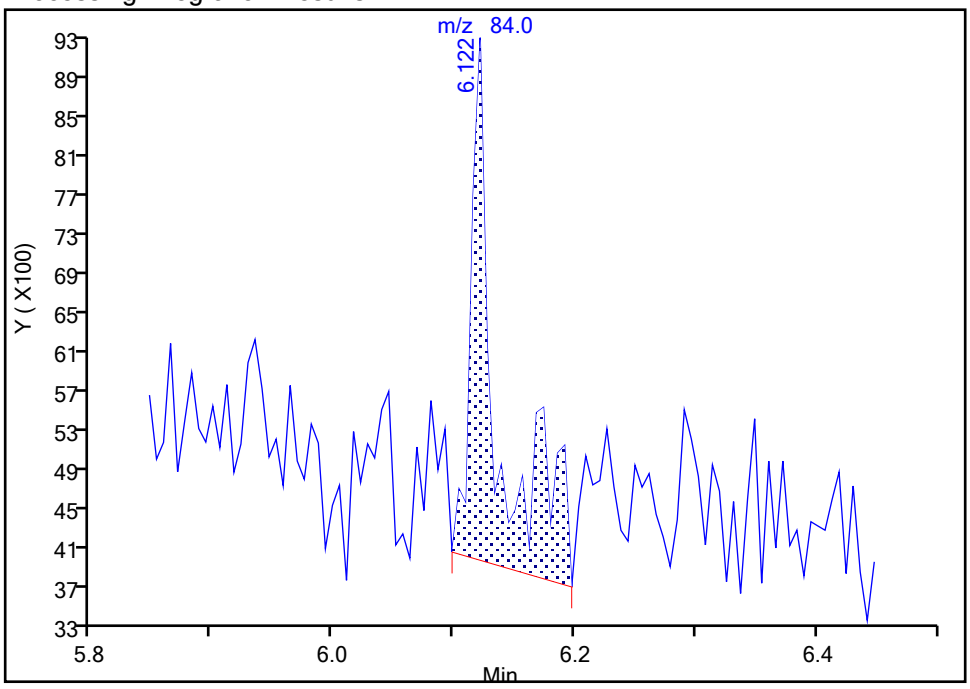
Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0702.D
Injection Date: 07-Nov-2022 19:20:30 Instrument ID: HP19760
Lims ID: IC L1
Client ID:
Operator ID: kel10217 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

59 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Signal: 1

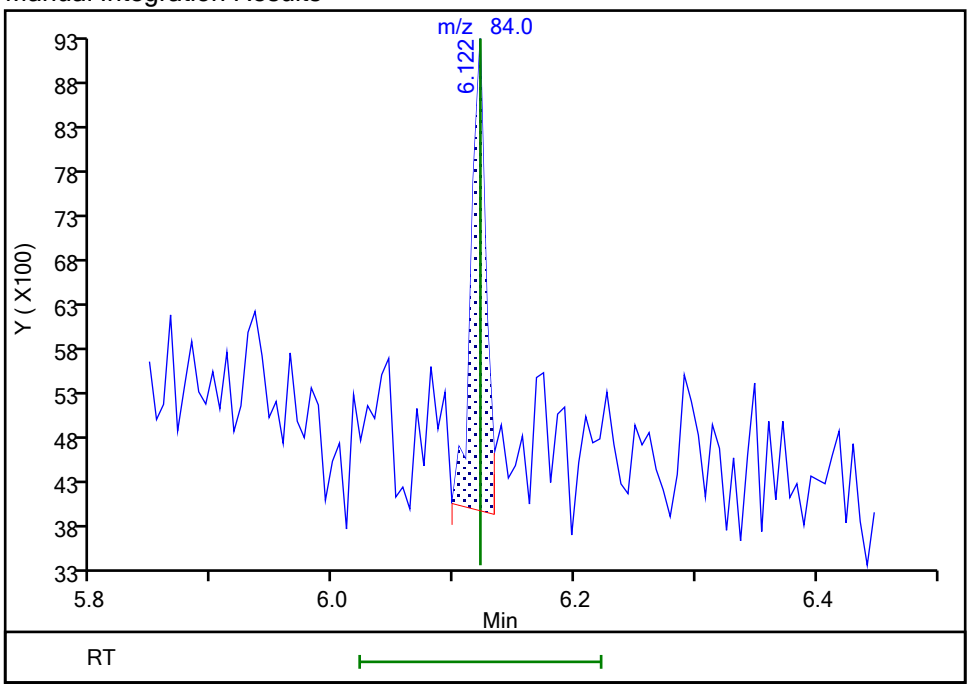
Processing Integration Results

RT: 6.12
Area: 7979
Amount: 0.166314
Amount Units: ug/ml



Manual Integration Results

RT: 6.12
Area: 4408
Amount: 0.138473
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 19:51:12
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

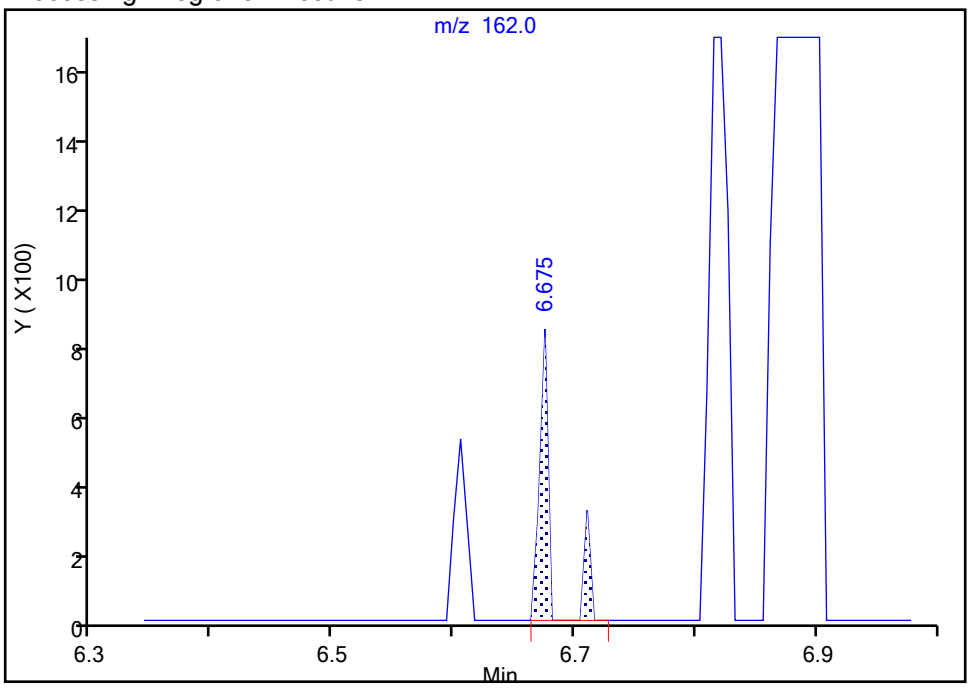
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0702.D				
Injection Date:	07-Nov-2022 19:20:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 Isosafrole Peak 1, CAS: 120-58-1

Signal: 1

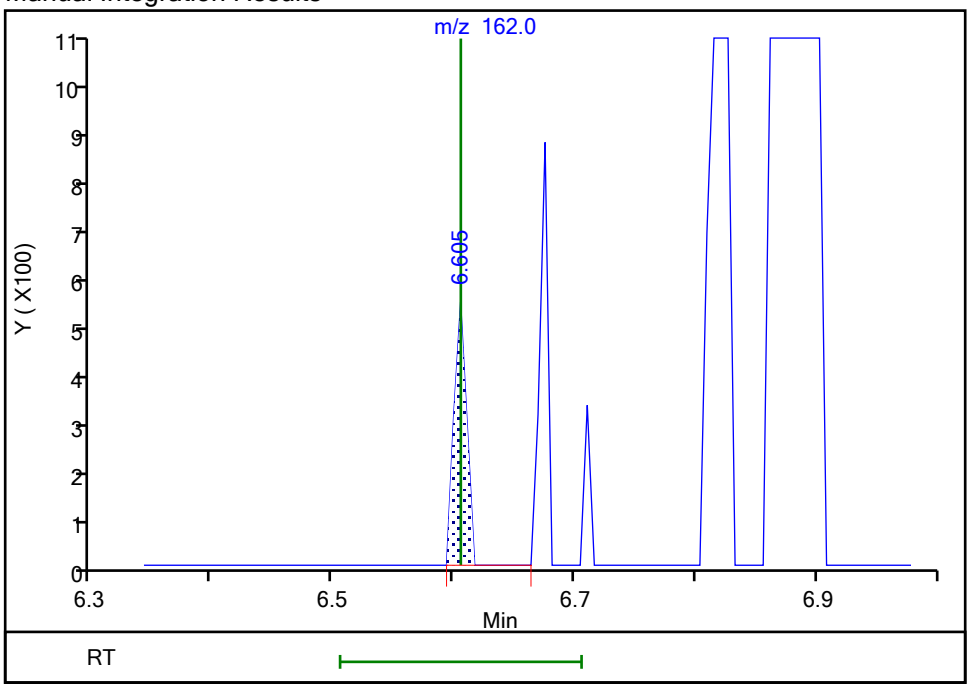
Processing Integration Results

RT: 6.68
Area: 492
Amount: 0.018634
Amount Units: ug/ml



Manual Integration Results

RT: 6.61
Area: 364
Amount: 0.014347
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 19:51:34
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

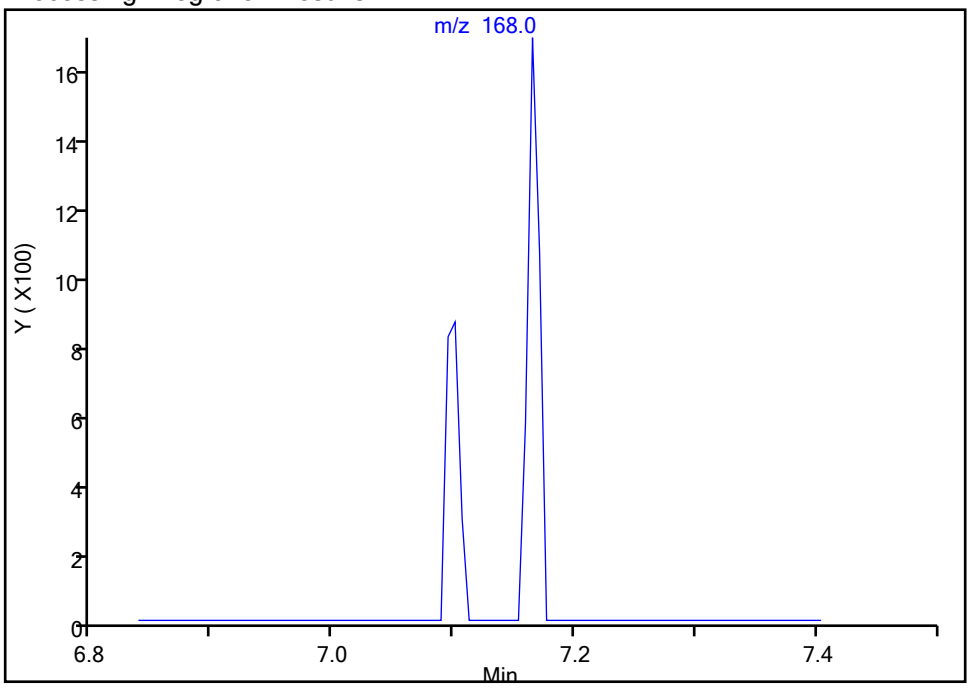
Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0702.D
Injection Date: 07-Nov-2022 19:20:30 Instrument ID: HP19760
Lims ID: IC L1
Client ID:
Operator ID: kel10217 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

83 1,4-Dinitrobenzene, CAS: 100-25-4

Signal: 1

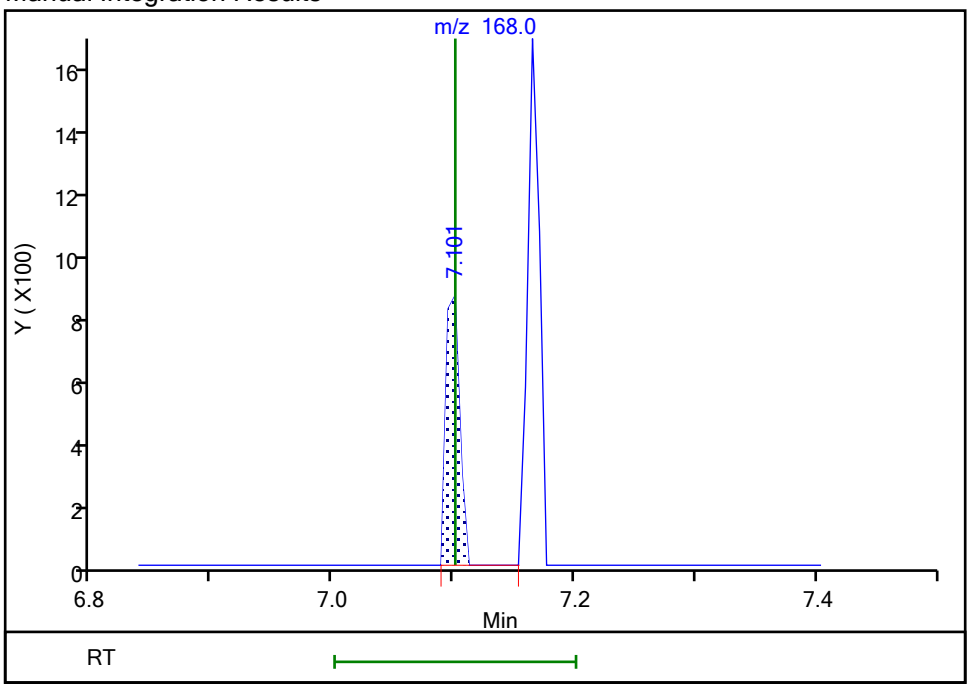
Not Detected
Expected RT: 7.10

Processing Integration Results



Manual Integration Results

RT: 7.10
Area: 680
Amount: 0.079891
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 19:52:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

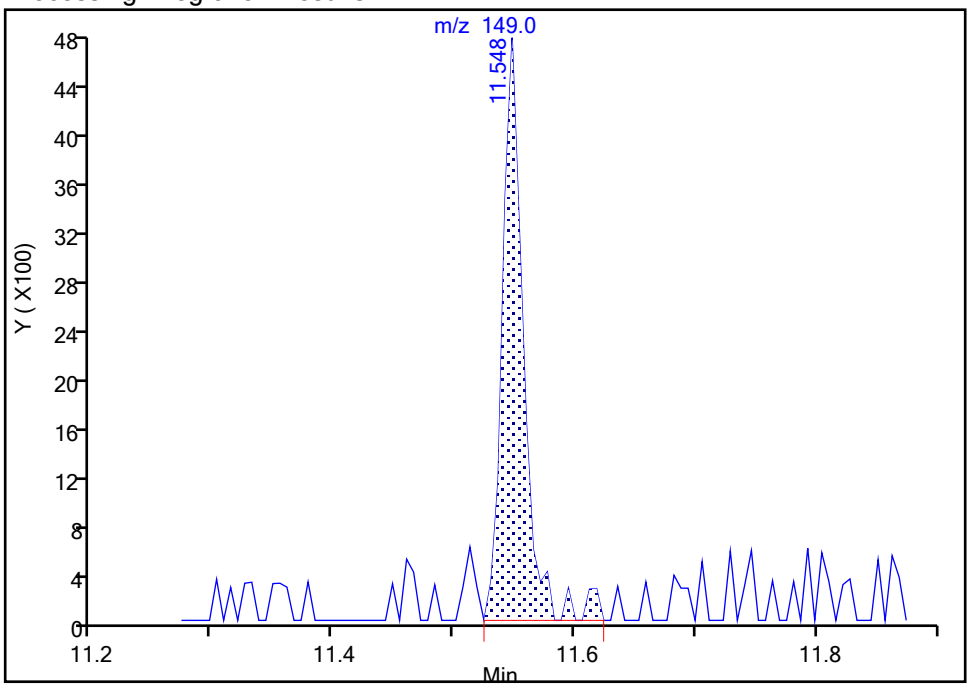
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0702.D				
Injection Date:	07-Nov-2022 19:20:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

156 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

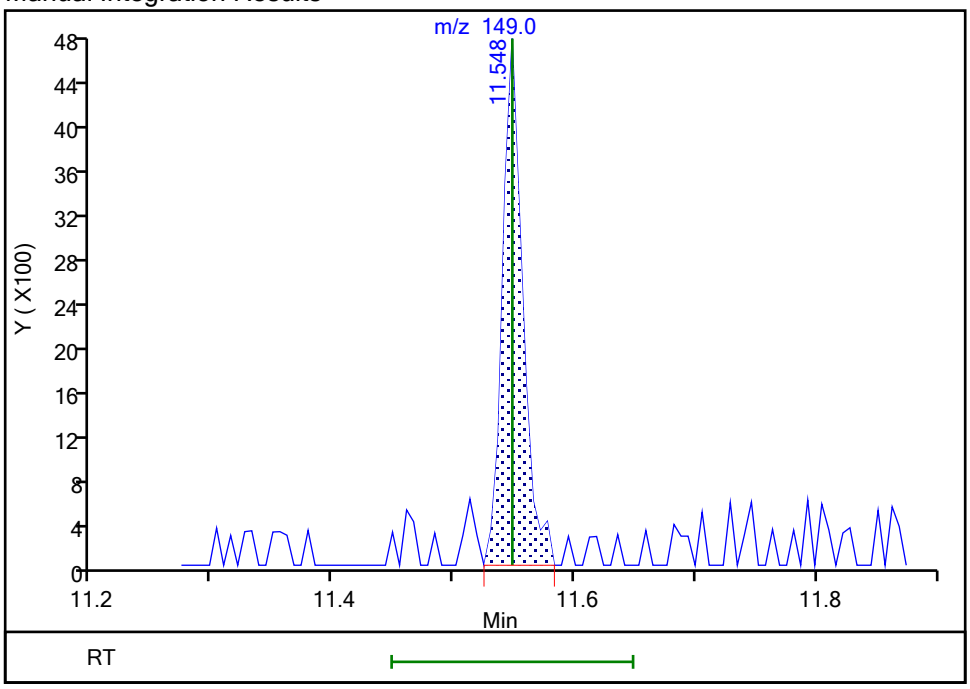
Processing Integration Results

RT: 11.55
Area: 5746
Amount: 0.171174
Amount Units: ug/ml



Manual Integration Results

RT: 11.55
Area: 5478
Amount: 0.124295
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 22:52:18
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

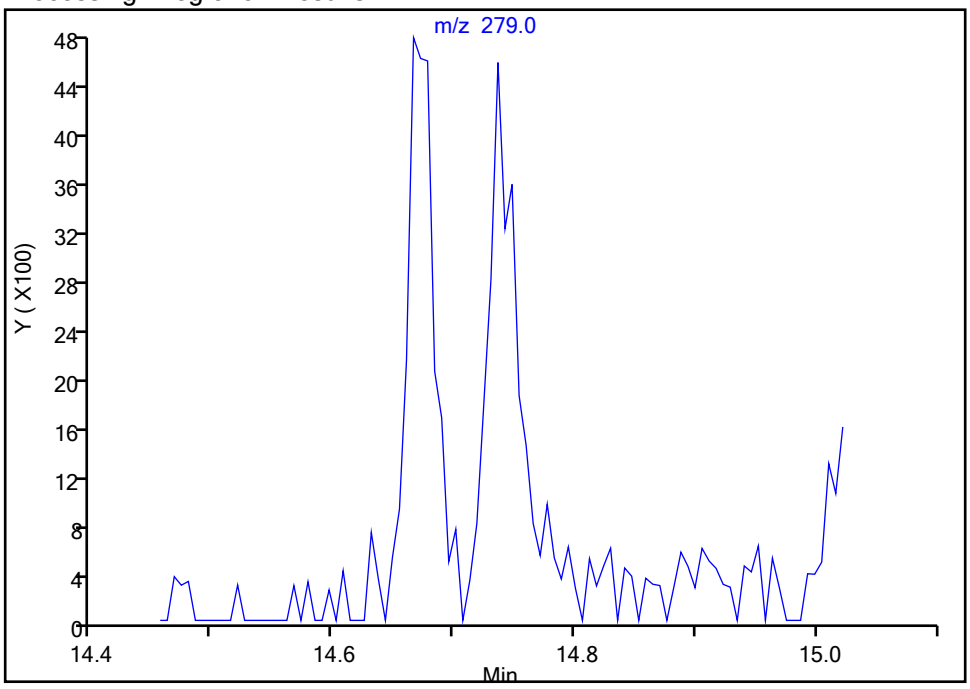
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0702.D				
Injection Date:	07-Nov-2022 19:20:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

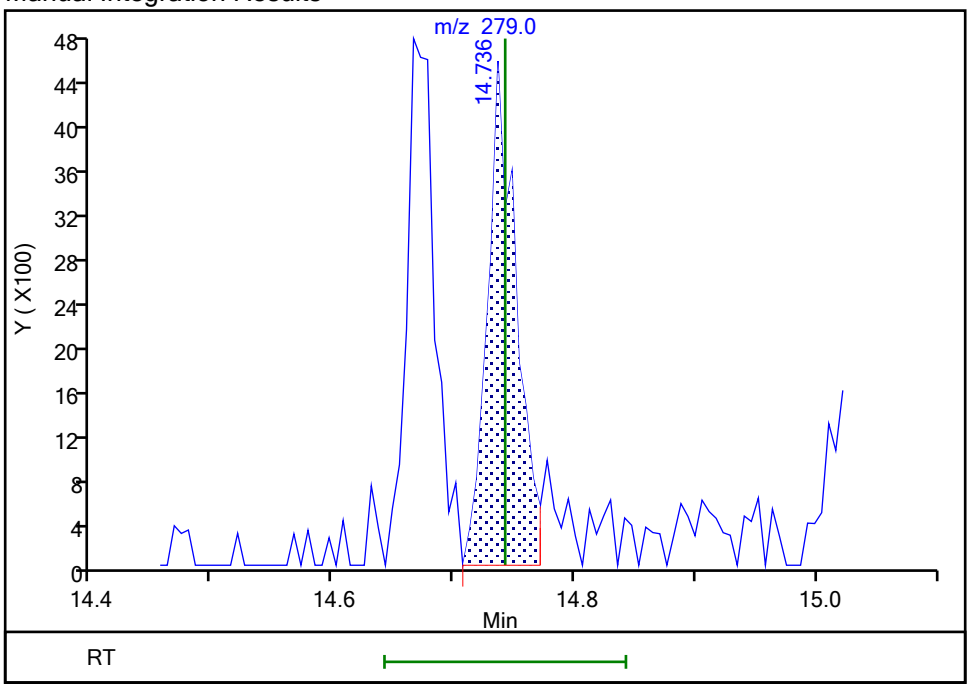
Not Detected
Expected RT: 14.74

Processing Integration Results



Manual Integration Results

RT: 14.74
Area: 7500
Amount: 0.104277
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 19:52:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

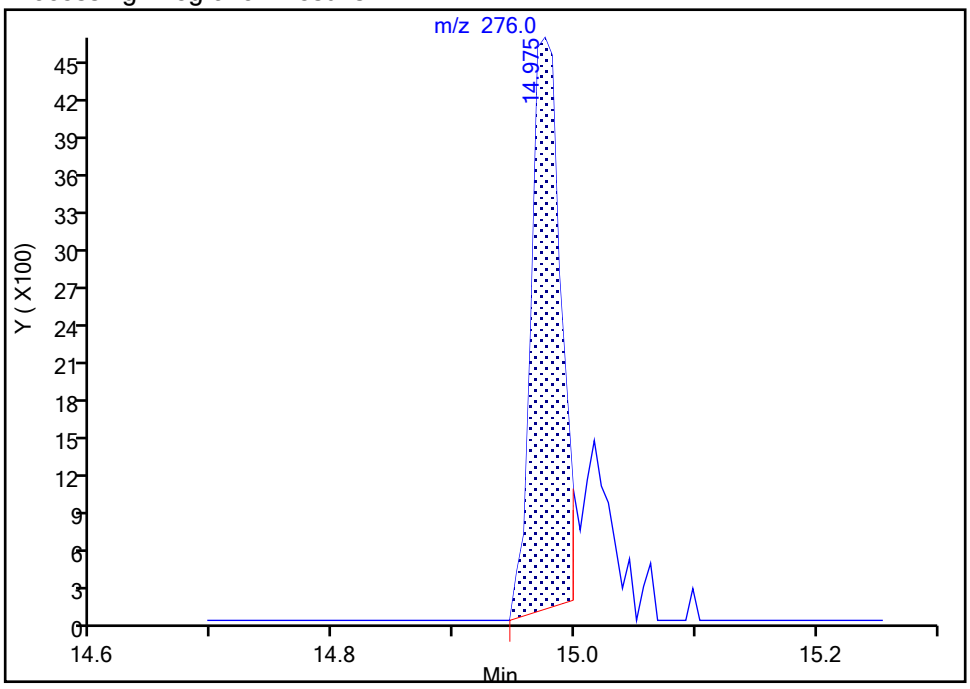
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0702.D				
Injection Date:	07-Nov-2022 19:20:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

167 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

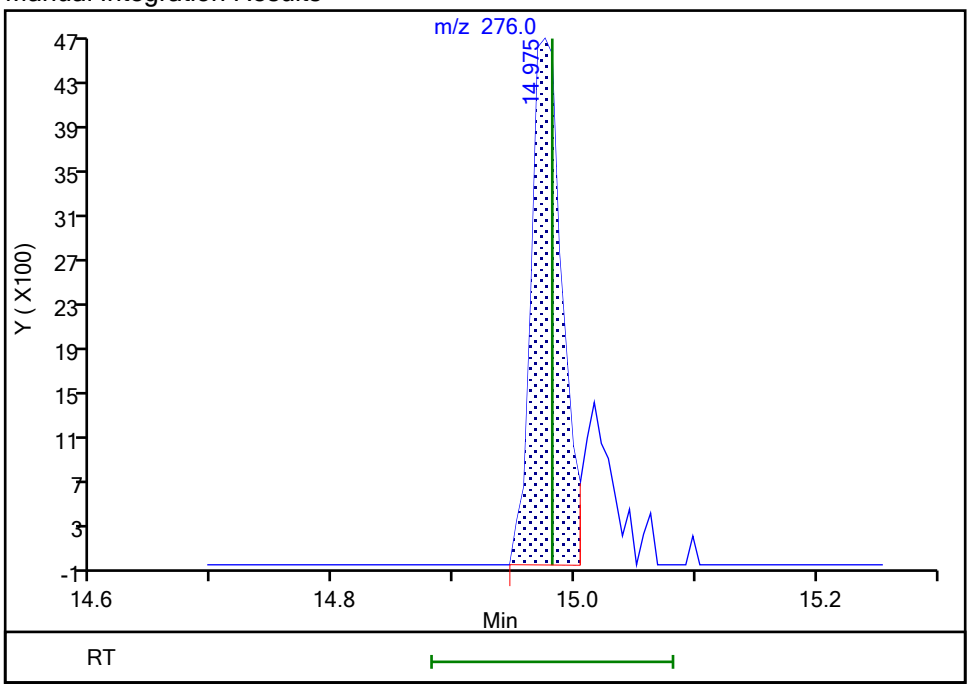
Processing Integration Results

RT: 14.98
Area: 7551
Amount: 0.109006
Amount Units: ug/ml



Manual Integration Results

RT: 14.98
Area: 8116
Amount: 0.114000
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 19:53:09

Audit Action: Manually Integrated Audit Reason: Baseline

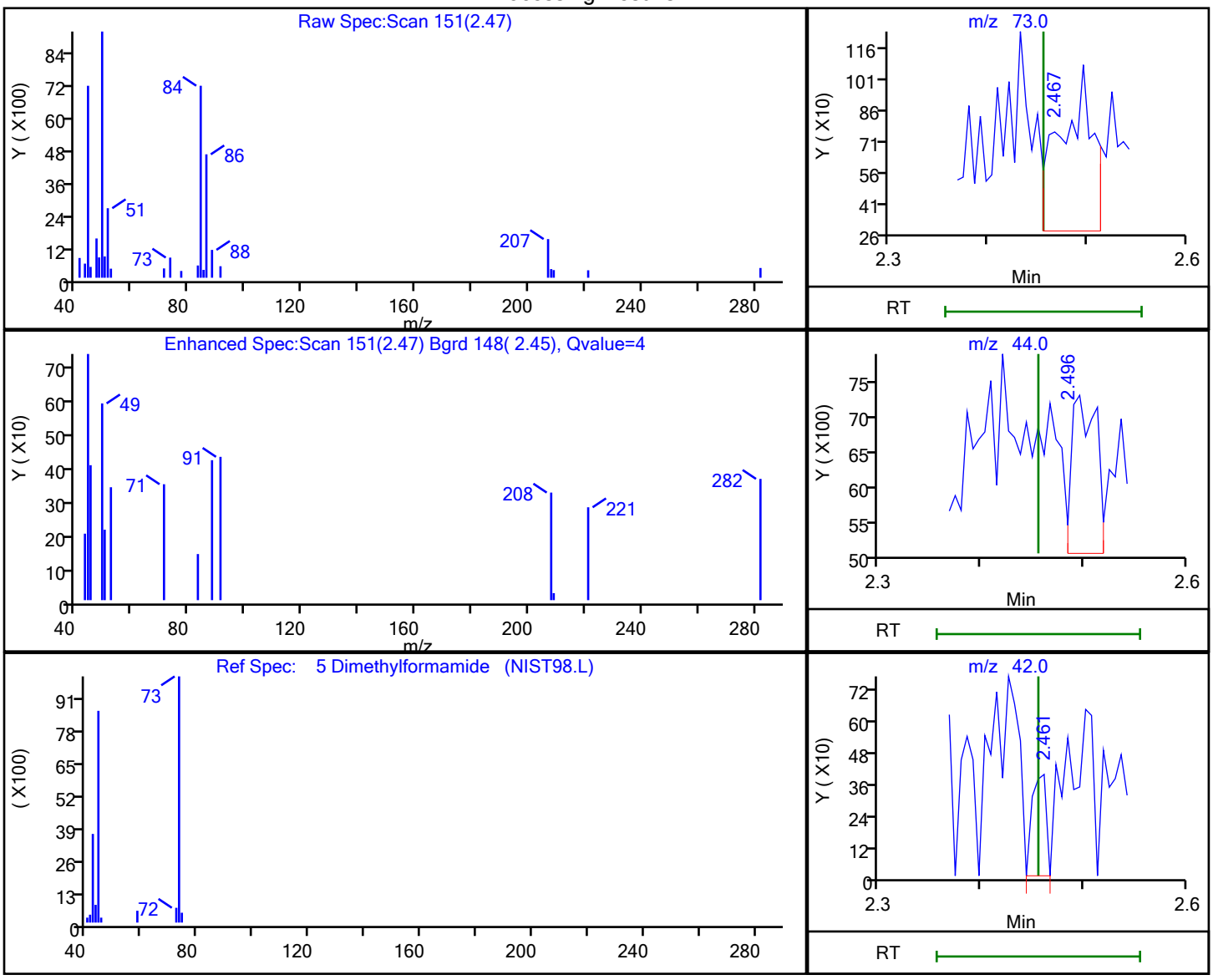
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0702.D				
Injection Date:	07-Nov-2022 19:20:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

5 Dimethylformamide, CAS: 68-12-2

Processing Results



RT	Mass	Response	Amount
2.47	73.00	1716	0.092005
2.50	44.00	3540	
2.46	42.00	370	

Reviewer: SJ89, 07-Nov-2022 19:50:44

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

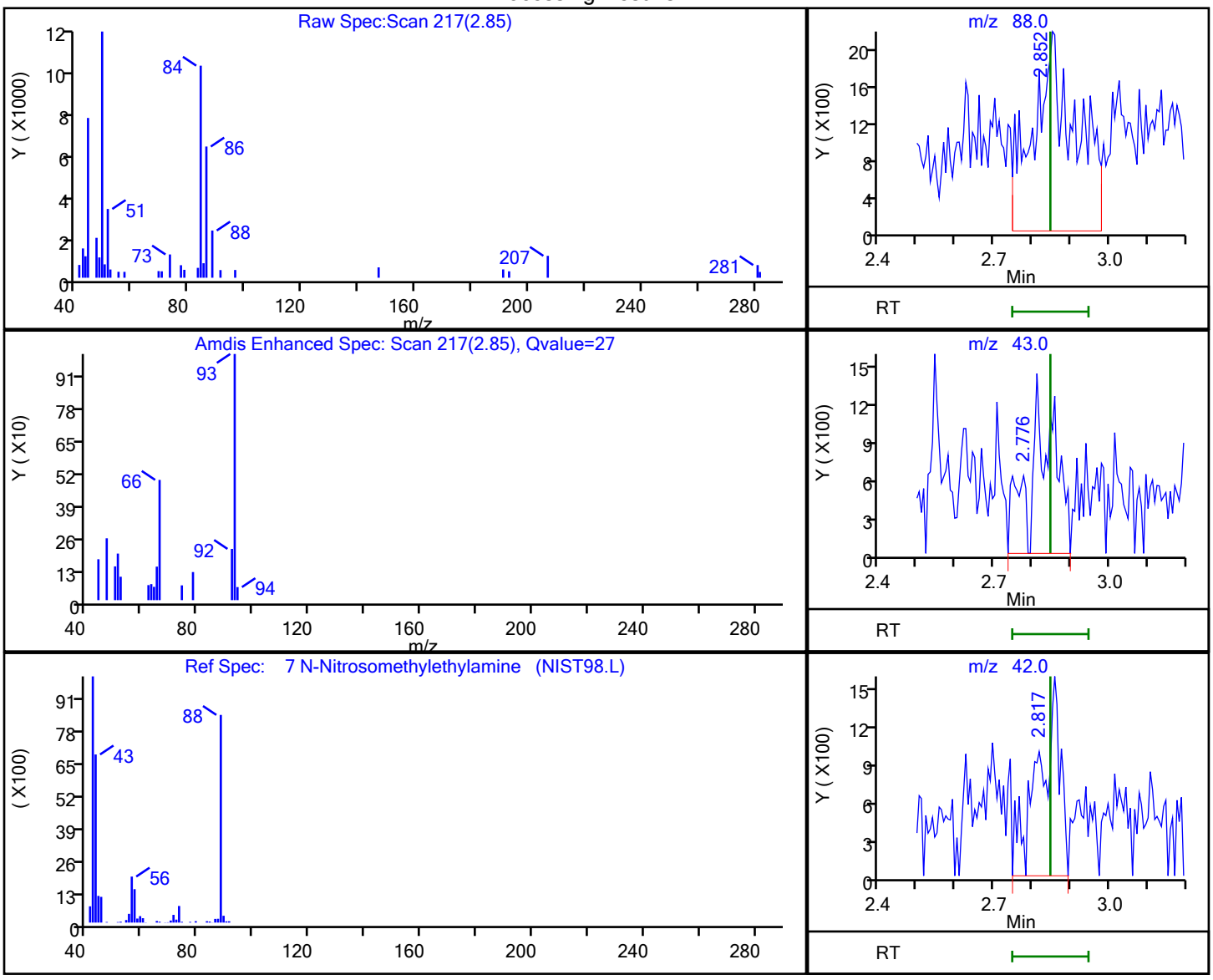
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0702.D				
Injection Date:	07-Nov-2022 19:20:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

7 N-Nitrosomethylethylamine, CAS: 10595-95-6

Processing Results



RT	Mass	Response	Amount
2.85	88.00	16142	0.219918
2.78	43.00	6162	
2.82	42.00	6192	

Reviewer: SJ89, 07-Nov-2022 19:50:48

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\HP19760\20221107-70576.b\DK0703.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Nov-2022 19:41:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0070576-004
Operator ID: kel10217 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub24

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 11:34:26 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: SJ89 Date: 07-Nov-2022 20:40:44

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.902	1.896	0.006	88	6087	0.2500	0.4169	
	3 N-Nitrosodimethylamine	74	2.135	2.123	0.012	90	8357	0.2500	0.3279	
	4 Pyridine	79	2.187	2.164	0.023	94	20532	0.5000	0.5265	
	5 Dimethylformamide	73		2.455				ND	ND	U
	6 2-Picoline	93	2.782	2.764	0.018	84	10354	0.2500	0.2677	
	7 N-Nitrosomethylethylamine	88		2.846				ND	ND	U
	8 Methyl methanesulfonate	80	3.120	3.114	0.006	80	5279	0.2500	0.2304	
$	10 2-Fluorophenol	112	3.260	3.266	-0.006	92	16037	0.5000	0.5190	
	11 N-Nitrosodiethylamine	102	3.499	3.499	0.000	88	3935	0.2500	0.2560	
	12 Ethyl methanesulfonate	109	3.778	3.773	0.005	95	4514	0.2500	0.2681	
	14 Benzaldehyde	77	4.105	4.111	-0.006	95	9651	0.2500	0.2948	
$	17 Phenol-d5	99	4.140	4.140	0.000	92	20362	0.5000	0.4831	
	18 Phenol	94	4.151	4.152	-0.001	49	10163	0.2500	0.2373	a
	16 Aniline	93	4.204	4.204	0.000	93	11319	0.2500	0.2233	
	19 Bis(2-chloroethyl)ether	93	4.262	4.262	0.000	95	9409	0.2500	0.2731	
	20 2-Chlorophenol	128	4.315	4.315	0.000	85	6302	0.2500	0.2266	
	21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	87	7665	0.2500	0.2308	
*	22 1,4-Dichlorobenzene-d4	152	4.519	4.525	-0.006	96	112818	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	85	8472	0.2500	0.2511	
	25 Benzyl alcohol	108	4.641	4.641	0.000	88	4957	0.2500	0.2415	
	24 1,2-Dichlorobenzene	146	4.676	4.682	-0.006	83	8565	0.2500	0.2702	
	27 2-Methylphenol	108	4.734	4.740	-0.006	92	7133	0.2500	0.2545	
	28 2,2'-oxybis[1-chloropropane]	45	4.769	4.775	-0.006	91	13109	0.2500	0.3247	
	30 N-Nitrosopyrrolidine	100	4.874	4.874	0.000	56	3679	0.2500	0.2299	
	35 4-Methylphenol	108	4.880	4.886	-0.006	90	8178	0.2500	0.2696	
	32 N-Nitrosodi-n-propylamine	70	4.892	4.898	-0.006	73	7011	0.2500	0.2481	
	31 Acetophenone	105	4.898	4.898	0.000	96	11758	0.2500	0.2471	
	33 N-Nitrosomorpholine	56	4.915	4.915	0.000	85	6060	0.2500	0.2901	
	34 2-Toluidine	106	4.927	4.933	-0.006	95	12753	0.2500	0.2488	
	36 Hexachloroethane	117	5.002	5.008	-0.006	89	3926	0.2500	0.2716	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 37 Nitrobenzene-d5	82	5.043	5.043	0.000	87	19765	0.5000	0.4939	
38 Nitrobenzene	77	5.061	5.061	0.000	83	10401	0.2500	0.2511	
39 N-Nitrosopiperidine	114	5.206	5.207	-0.001	79	3534	0.2500	0.2367	
40 Isophorone	82	5.288	5.288	0.000	97	15128	0.2500	0.2236	
41 2-Nitrophenol	139	5.364	5.364	0.000	85	3594	0.2500	0.2684	
42 2,4-Dimethylphenol	107	5.393	5.399	-0.006	93	7334	0.2500	0.2290	
43 o,o',o''-Triethylphosphorothioat	198	5.469	5.469	0.000	87	3771	0.2500	0.2159	
44 Bis(2-chloroethoxy)methane	93	5.492	5.498	-0.006	97	11515	0.2500	0.2758	
47 2,4-Dichlorophenol	162	5.585	5.591	-0.006	89	5037	0.2500	0.2085	
48 1,2,4-Trichlorobenzene	180	5.673	5.679	-0.006	91	8283	0.2500	0.2759	
* 49 Naphthalene-d8	136	5.731	5.731	0.000	99	386823	5.00	5.00	
50 Naphthalene	128	5.749	5.754	-0.006	96	21990	0.2500	0.2665	
51 Alpha-Terpineol	59	5.754	5.760	-0.006	88	6776	0.2500	0.2549	
52 4-Chloroaniline	127	5.795	5.801	-0.006	89	8003	0.2500	0.2475	
53 2,6-Dichlorophenol	162	5.807	5.807	0.000	91	5424	0.2500	0.2256	
54 Hexachloropropene	213	5.836	5.836	0.000	86	6293	0.2500	0.2606	
55 Hexachlorobutadiene	225	5.871	5.871	0.000	93	4936	0.2500	0.2388	
56 Quinoline	129	6.069	6.069	0.000	93	13306	0.2500	0.2633	
57 Caprolactam	113	6.104	6.110	-0.006	90	2071	0.2500	0.2715	
59 N-Nitrosodi-n-butylamine	84	6.122	6.122	0.000	87	8962	0.2500	0.2878	
58 p-Phenylene diamine	108	6.133	6.133	0.000	91	5790	0.2500	0.2037	
60 4-Chloro-3-methylphenol	107	6.250	6.256	-0.006	88	6485	0.2500	0.2462	
61 Safrole, Total	162	6.326	6.331	-0.005	84	5639	0.2500	0.2512	
62 2-Methylnaphthalene	142	6.413	6.413	0.000	93	13003	0.2500	0.2535	
63 1-Methylnaphthalene	142	6.506	6.506	0.000	95	13811	0.2500	0.2656	
64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	91	6975	0.2500	0.2658	
65 1,2,4,5-Tetrachlorobenzene	216	6.565	6.570	-0.006	95	8720	0.2500	0.2428	
66 Isosafrole Peak 1	162	6.605	6.605	0.000	8	765	0.0400	0.0312	a
68 2,4,6-Trichlorophenol	196	6.669	6.675	-0.006	88	4992	0.2500	0.2551	
69 2,4,5-Trichlorophenol	196	6.704	6.705	-0.001	87	4145	0.2500	0.1944	
$ 70 2-Fluorobiphenyl (Surr)	172	6.757	6.763	-0.006	98	36457	0.5000	0.5285	
71 Isosafrole Peak 2	162	6.821	6.821	0.000	90	6323	0.2100	0.2230	
77 1,1'-Biphenyl	154	6.850	6.856	-0.006	93	19931	0.2500	0.2768	
78 2-Chloronaphthalene	162	6.873	6.874	-0.001	42	12973	0.2500	0.2319	a
79 1-Chloronaphthalene	162	6.891	6.897	-0.006	97	16390	0.2500	0.3009	
80 Phenyl ether	170	6.955	6.955	0.000	86	10745	0.2500	0.2624	
81 2-Nitroaniline	138	6.961	6.967	-0.006	44	3538	0.2500	0.2488	
82 1,4-Naphthoquinone	158	7.037	7.043	-0.006	85	4664	0.2500	0.2363	
83 1,4-Dinitrobenzene	168	7.095	7.101	-0.006	81	1919	0.2500	0.2334	
84 Dimethyl phthalate	163	7.142	7.142	0.000	98	15480	0.2500	0.2511	
85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	79	2426	0.2500	0.2578	
86 2,6-Dinitrotoluene	165	7.194	7.200	-0.006	79	3066	0.2500	0.2268	
87 Acenaphthylene	152	7.264	7.264	0.000	99	18863	0.2500	0.2447	
88 3-Nitroaniline	138	7.351	7.352	-0.001	80	2306	0.2500	0.1842	
* 89 Acenaphthene-d10	164	7.398	7.398	0.000	95	235118	5.00	5.00	
90 Acenaphthene	153	7.427	7.433	-0.006	95	14521	0.2500	0.2601	
91 2,4-Dinitrophenol	184	7.450	7.451	-0.001	81	16431	2.50	1.79	
93 4-Nitrophenol	109	7.497	7.503	-0.006	80	13121	1.50	1.37	
92 Pentachlorobenzene	250	7.550	7.556	-0.006	95	7586	0.2500	0.2498	
95 2,4-Dinitrotoluene	165	7.573	7.579	-0.006	83	3751	0.2500	0.2162	
94 Dibenzofuran	168	7.590	7.596	-0.006	98	20970	0.2500	0.2585	
96 1-Naphthylamine	143	7.666	7.666	0.000	97	10459	0.2500	0.2150	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 2,3,4,6-Tetrachlorophenol	232	7.701	7.707	-0.006	70	4437	0.2500	0.2255	
98 2-Naphthylamine	143	7.742	7.742	0.000	95	12970	0.2500	0.2415	
99 Diethyl phthalate	149	7.812	7.818	-0.006	96	13966	0.2500	0.2344	
101 Thionazin	107	7.888	7.894	-0.006	77	2417	0.2500	0.2377	
100 Fluorene	166	7.917	7.923	-0.006	96	17081	0.2500	0.2652	
102 4-Chlorophenyl phenyl ether	204	7.923	7.923	0.000	80	9011	0.2500	0.2539	
103 N-Nitro-o-toluidine	152	7.923	7.929	-0.006	66	3183	0.2500	0.2028	M
104 4-Nitroaniline	138	7.923	7.929	-0.006	65	2926	0.2500	0.2143	
105 4,6-Dinitro-2-methylphenol	198	7.958	7.958	0.000	82	12518	1.50	1.03	
106 N-Nitrosodiphenylamine	169	8.033	8.033	0.000	62	10396	0.2125	0.2010	
107 1,2-Diphenylhydrazine	77	8.068	8.074	-0.006	41	19929	0.2500	0.2572	
$ 108 2,4,6-Tribromophenol	330	8.144	8.144	0.000	91	5387	0.5000	0.4771	
109 Sulfotepp	97	8.185	8.185	0.000	76	2588	0.2500	0.2249	
110 1,3,5-Trinitrobenzene	213	8.266	8.272	-0.006	81	1459	0.2500	0.7706	
111 cis-Diallate	86	8.307	8.307	0.000	0	6401	0.1850	0.2026	
112 Phorate	75	8.319	8.319	0.000	92	9482	0.2500	0.2142	
113 Phenacetin	108	8.313	8.325	-0.012	74	6004	0.2500	0.2160	
114 4-Bromophenyl phenyl ether	248	8.383	8.389	-0.006	65	6270	0.2500	0.2770	
115 trans-Diallate	86	8.395	8.395	0.000	0	3781	0.0650	0.1182	
116 Hexachlorobenzene	284	8.430	8.436	-0.006	94	7042	0.2500	0.2740	
117 Dimethoate	87	8.470	8.476	-0.006	92	4872	0.2500	0.1900	
118 Atrazine	200	8.540	8.541	-0.001	90	4851	0.2500	0.2471	
119 Pentachlorophenol	266	8.616	8.622	-0.006	93	16858	1.25	1.17	
121 4-Aminobiphenyl	169	8.628	8.634	-0.006	90	16544	0.2500	0.2332	
120 Pentachloronitrobenzene	237	8.634	8.634	0.000	49	2323	0.2500	0.2142	
122 Pronamide	173	8.686	8.686	0.000	84	6480	0.2500	0.2475	
125 Dinoseb	211	8.797	8.803	-0.006	60	2931	0.2500	0.7375	
* 123 Phenanthrene-d10	188	8.809	8.809	0.000	97	470704	5.00	5.00	
126 Disulfoton	88	8.803	8.814	-0.011	90	15678	0.2500	0.3507	
124 Phenanthrene	178	8.826	8.832	-0.006	95	26331	0.2500	0.2631	
127 Anthracene	178	8.878	8.879	-0.001	96	26434	0.2500	0.2720	
128 Carbazole	167	9.030	9.030	0.000	97	19124	0.2500	0.2308	
129 Methyl parathion	109	9.164	9.170	-0.006	93	2959	0.2500	0.7332	
130 Di-n-butyl phthalate	149	9.374	9.374	0.000	99	18949	0.2500	0.2133	
132 Ethyl Parathion	109	9.543	9.543	0.000	78	1969	0.2500	0.1794	
131 4-Nitroquinoline-1-oxide	190	9.560	9.566	-0.006	70	1376	0.2500	2.06	
S 67 Diallate	86				0		0.2500	0.3208	
134 Octachlorostyrene	308	9.776	9.782	-0.006	82	2767	0.2500	0.2825	
135 Isodrin	193	9.823	9.823	0.000	83	4213	0.2500	0.3231	
136 Fluoranthene	202	9.957	9.963	-0.006	97	26843	0.2500	0.2485	
137 Benzidine	184	10.091	10.097	-0.006	99	37205	0.7500	0.5812	
* 138 Pyrene-d10 (IS)	212	10.161	10.161	0.000	97	488822	5.00	5.00	
139 Pyrene	202	10.178	10.178	0.000	97	31092	0.2500	0.2620	
$ 142 p-Terphenyl-d14	244	10.336	10.342	-0.006	98	45915	0.5000	0.5126	
145 p-Dimethylamino azobenzene	225	10.476	10.481	-0.005	85	3153	0.2500	0.9275	
146 Chlorobenzilate	139	10.528	10.534	-0.006	90	4606	0.2500	0.1706	
148 3,3'-Dimethylbenzidine	212	10.831	10.837	-0.006	98	12074	0.2500	0.1935	
150 Butyl benzyl phthalate	149	10.860	10.860	0.000	92	7408	0.2500	0.1915	
151 2-Acetylaminofluorene	181	11.105	11.111	-0.006	93	5087	0.2500	0.1589	
153 3,3'-Dichlorobenzidine	252	11.449	11.455	-0.006	72	7744	0.2500	0.1939	
154 4,4'-Methylene bis(2-chloroani	231	11.455	11.461	-0.006	63	3501	0.2500	0.1632	
152 Benzo[a]anthracene	228	11.466	11.472	-0.006	96	25197	0.2500	0.2356	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
155 Chrysene	228	11.513	11.513	0.000	96	26210	0.2500	0.2369	
156 Bis(2-ethylhexyl) phthalate	149	11.548	11.548	0.000	96	8972	0.2500	0.2060	M
157 6-Methylchrysene	242	12.090	12.096	-0.006	96	17502	0.2500	0.2414	
158 Di-n-octyl phthalate	149	12.422	12.428	-0.006	98	13904	0.2500	0.2327	
159 Benzo[b]fluoranthene	252	12.889	12.895	-0.006	94	23662	0.2500	0.2353	
160 7,12-Dimethylbenz(a)anthracene	256	12.889	12.895	-0.006	71	8848	0.2500	0.2184	
161 Benzo[k]fluoranthene	252	12.929	12.935	-0.006	95	21163	0.2500	0.2078	
162 Benzo[a]pyrene	252	13.355	13.361	-0.006	75	17320	0.2500	0.2177	M
* 163 Perylene-d12	264	13.436	13.442	-0.006	99	382075	5.00	5.00	
164 3-Methylcholanthrene	268	13.874	13.880	-0.006	84	10076	0.2500	0.2336	
165 Dibenz[a,h]acridine	279	14.672	14.678	-0.006	89	14108	0.2500	0.2280	
166 Dibenz[a,j]acridine	279	14.736	14.742	-0.006	36	14733	0.2500	0.2080	a
167 Indeno[1,2,3-cd]pyrene	276	14.975	14.981	-0.006	97	15490	0.2500	0.2209	
168 Dibenz(a,h)anthracene	278	15.016	15.022	-0.006	86	18836	0.2500	0.2277	
169 Benzo[g,h,i]perylene	276	15.360	15.366	-0.006	97	20280	0.2500	0.2354	
S 170 Aramite, Total	185		44.000				0.2500	ND	
S 173 Dinitrotoluene	165				0			0.4429	
S 177 Isosafrole	162				0		0.2500	0.2542	

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_00027 Amount Added: 1.00 Units: mL

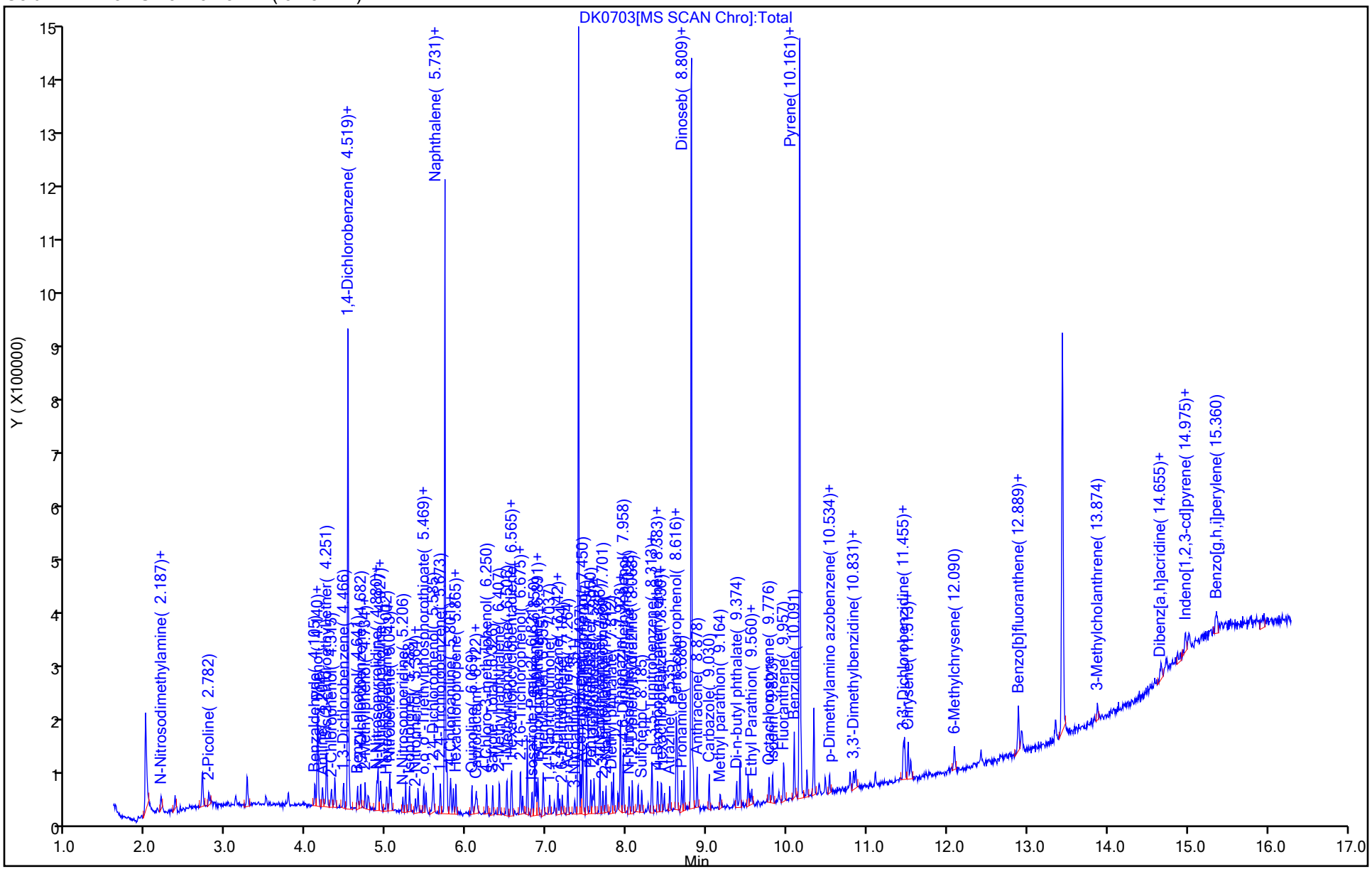
Report Date: 08-Nov-2022 11:34:27 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0703.D

Injection Date:	07-Nov-2022 19:41:30	Instrument ID:	HP19760	Operator ID:	kel10217
Lims ID:	IC L2			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

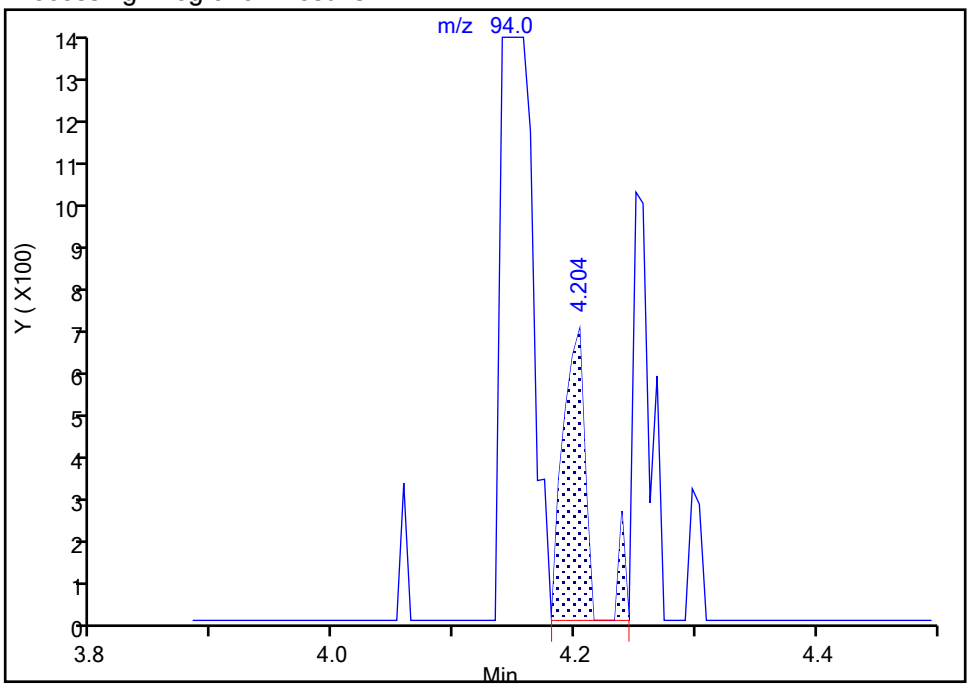
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0703.D				
Injection Date:	07-Nov-2022 19:41:30	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

18 Phenol, CAS: 108-95-2

Signal: 1

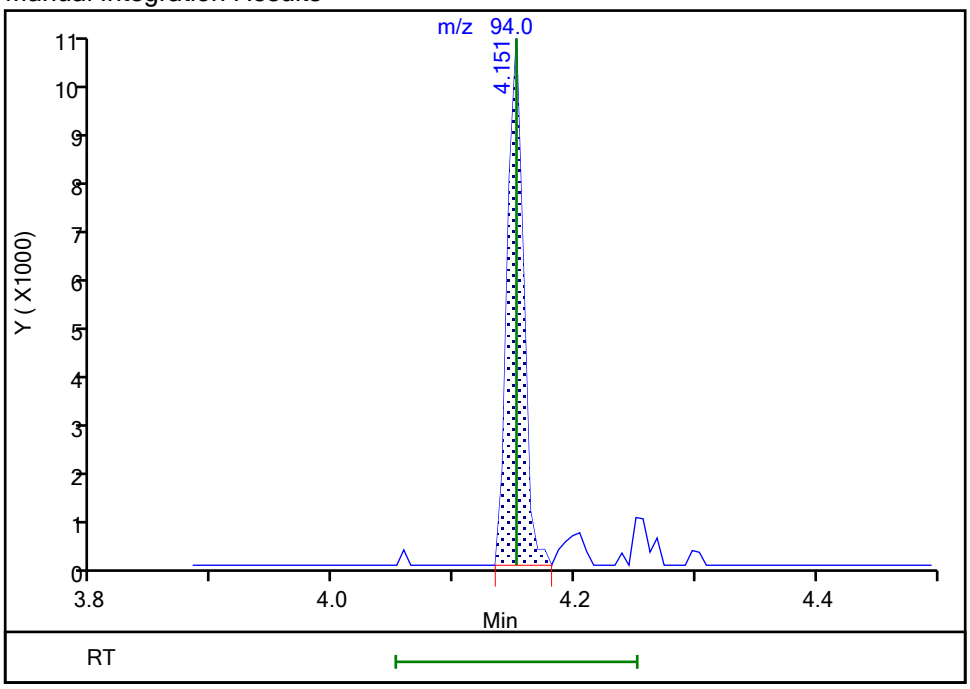
Processing Integration Results

RT: 4.20
Area: 926
Amount: 0.026986
Amount Units: ug/ml



Manual Integration Results

RT: 4.15
Area: 10163
Amount: 0.237325
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 20:39:24

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

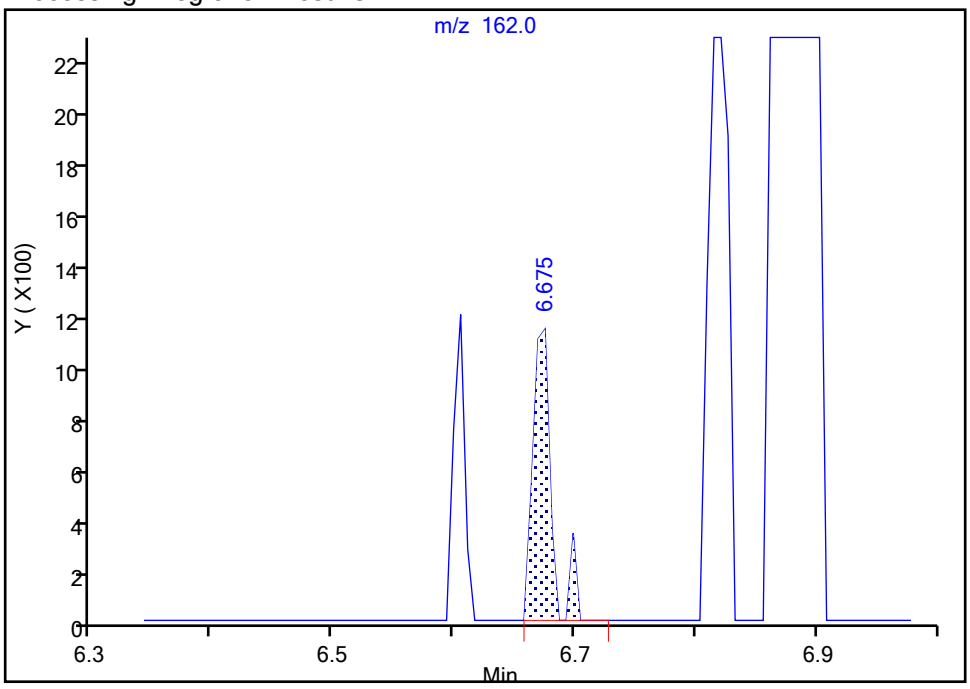
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0703.D				
Injection Date:	07-Nov-2022 19:41:30	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 Isosafrole Peak 1, CAS: 120-58-1

Signal: 1

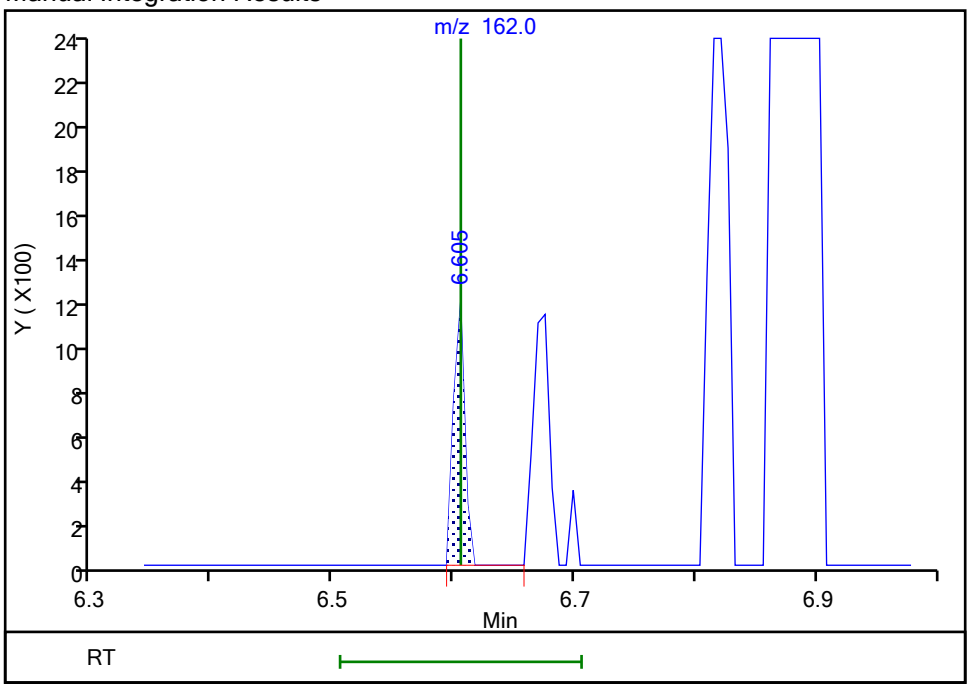
Processing Integration Results

RT: 6.68
Area: 1184
Amount: 0.046774
Amount Units: ug/ml



Manual Integration Results

RT: 6.61
Area: 765
Amount: 0.031218
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 20:39:46

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

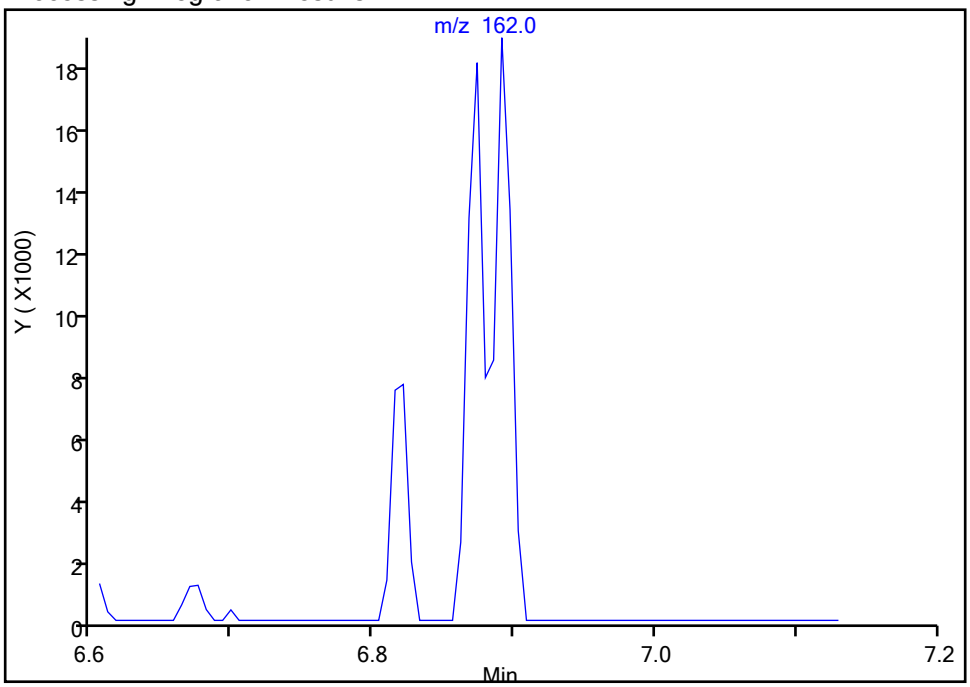
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0703.D				
Injection Date:	07-Nov-2022 19:41:30	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

78 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

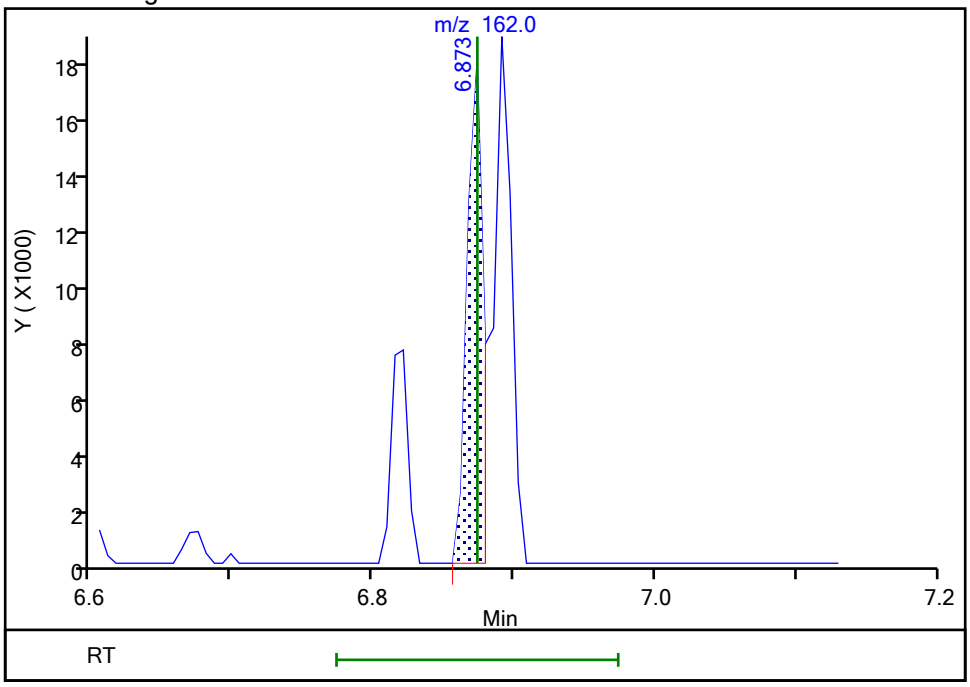
Not Detected
Expected RT: 6.87

Processing Integration Results



Manual Integration Results

RT: 6.87
Area: 12973
Amount: 0.231919
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 20:39:52
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

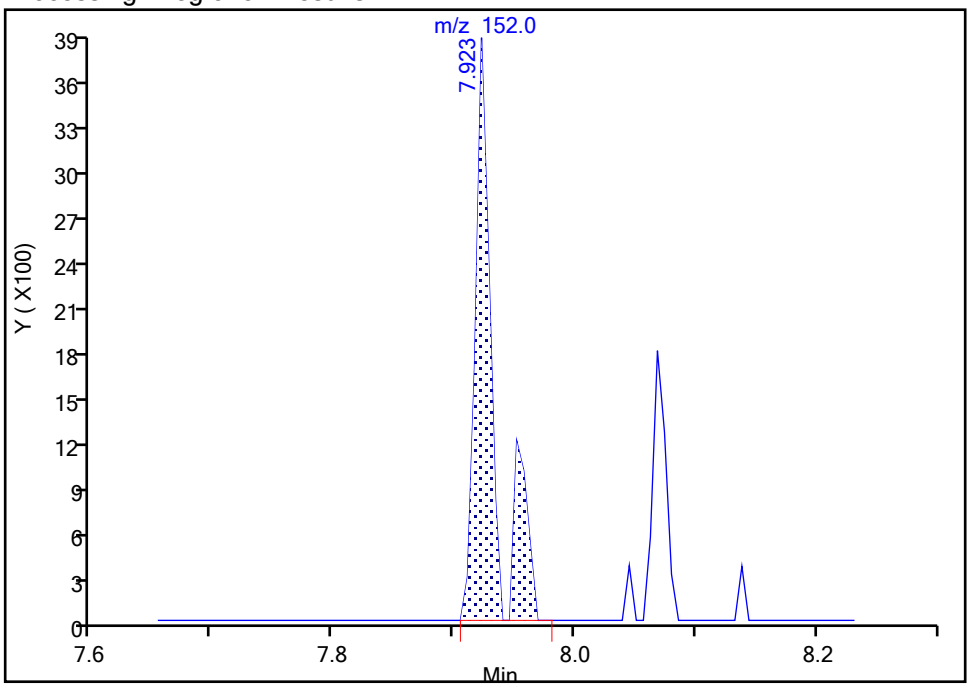
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0703.D				
Injection Date:	07-Nov-2022 19:41:30	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

103 N-Nitro-o-toluidine, CAS: 99-55-8

Signal: 1

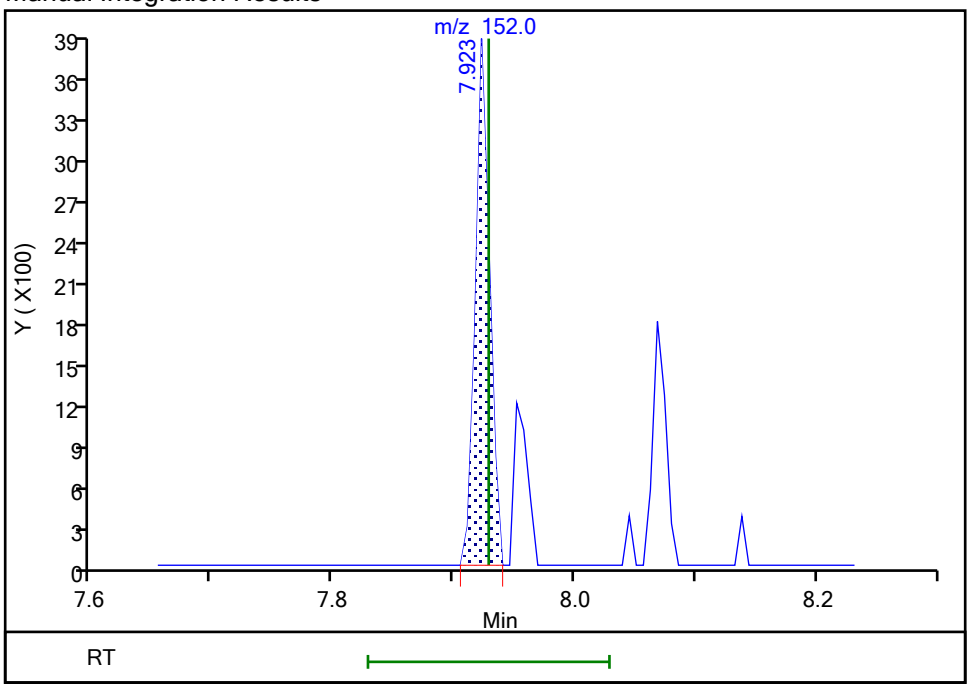
Processing Integration Results

RT: 7.92
Area: 4117
Amount: 0.243093
Amount Units: ug/ml



Manual Integration Results

RT: 7.92
Area: 3183
Amount: 0.202846
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 20:40:12

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

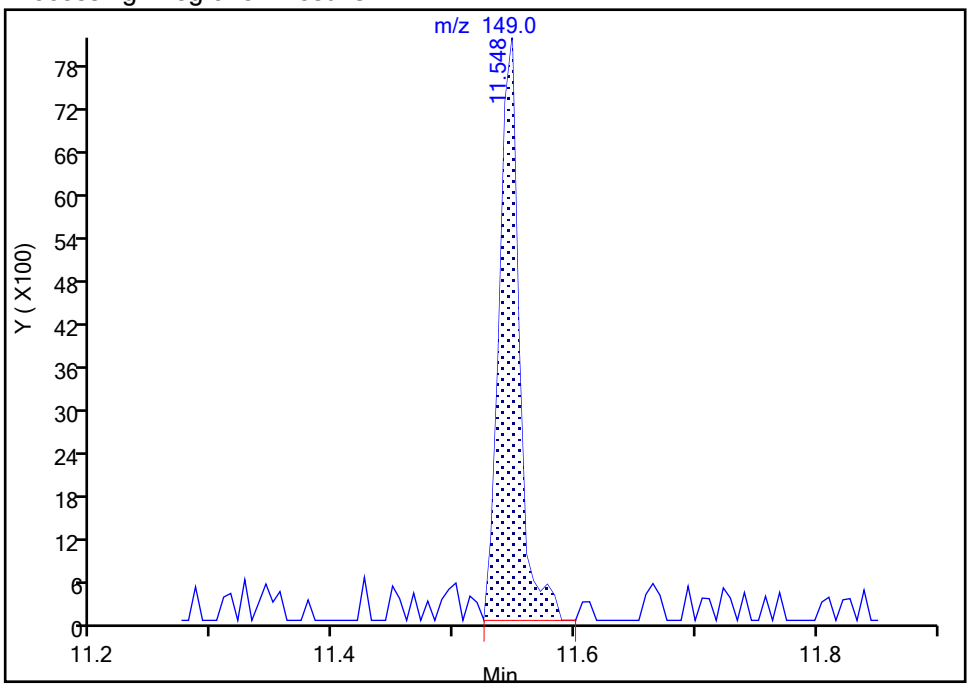
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0703.D				
Injection Date:	07-Nov-2022 19:41:30	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

156 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

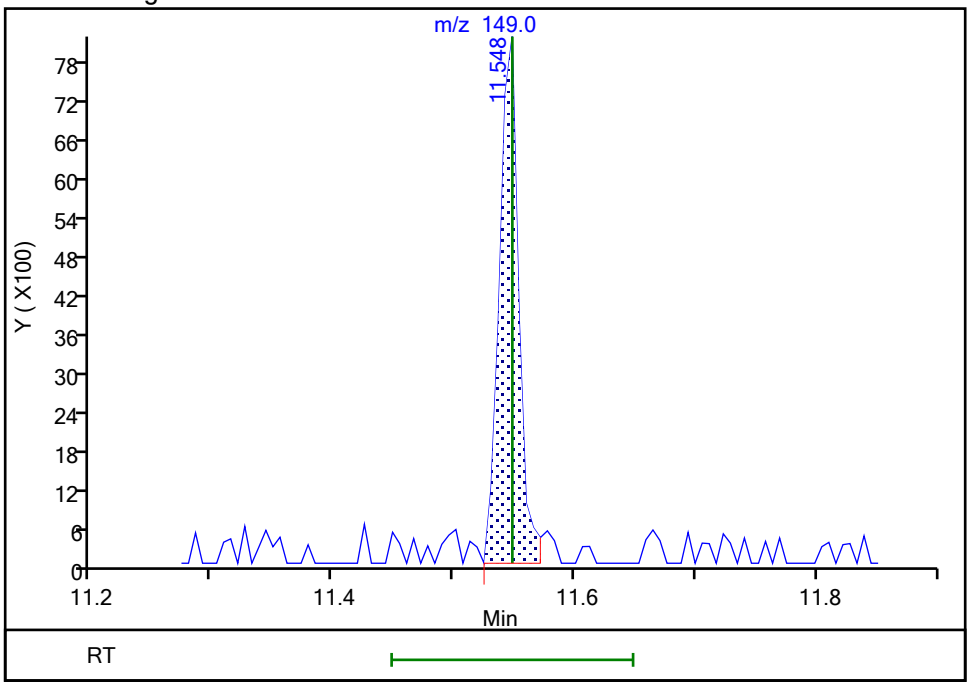
Processing Integration Results

RT: 11.55
Area: 9338
Amount: 0.249331
Amount Units: ug/ml



Manual Integration Results

RT: 11.55
Area: 8972
Amount: 0.205977
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 22:52:37
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

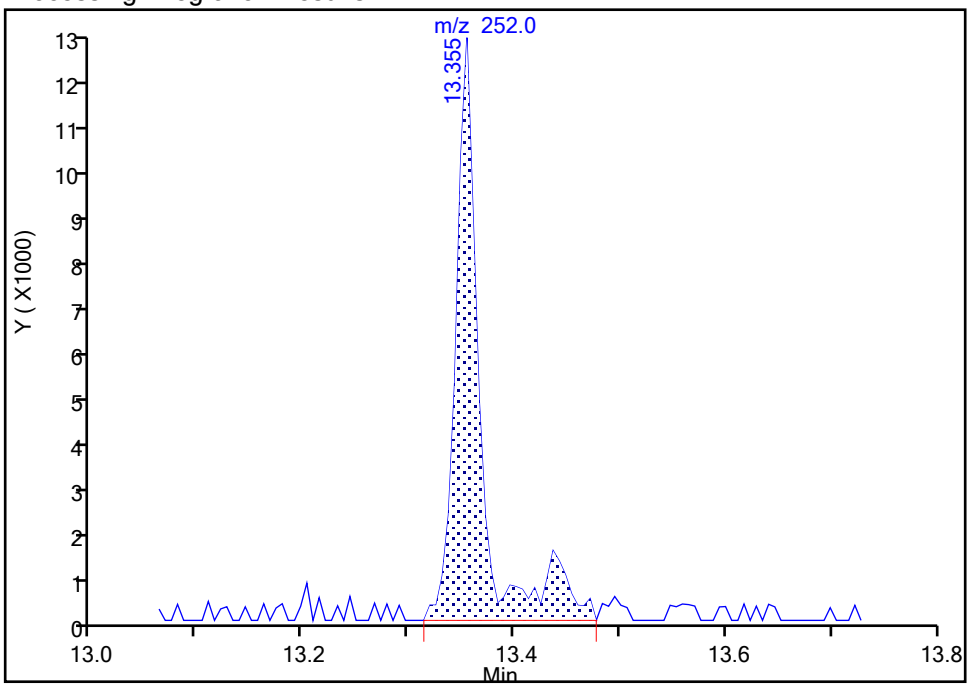
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0703.D				
Injection Date:	07-Nov-2022 19:41:30	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

162 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

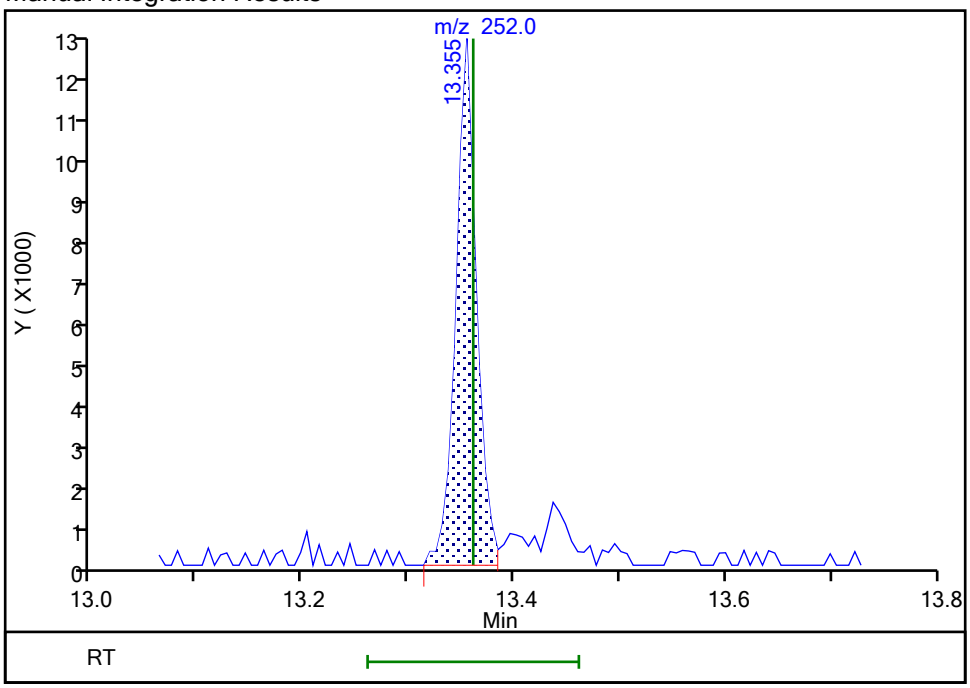
Processing Integration Results

RT: 13.35
Area: 21119
Amount: 0.248673
Amount Units: ug/ml



Manual Integration Results

RT: 13.35
Area: 17320
Amount: 0.217723
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 20:40:30

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

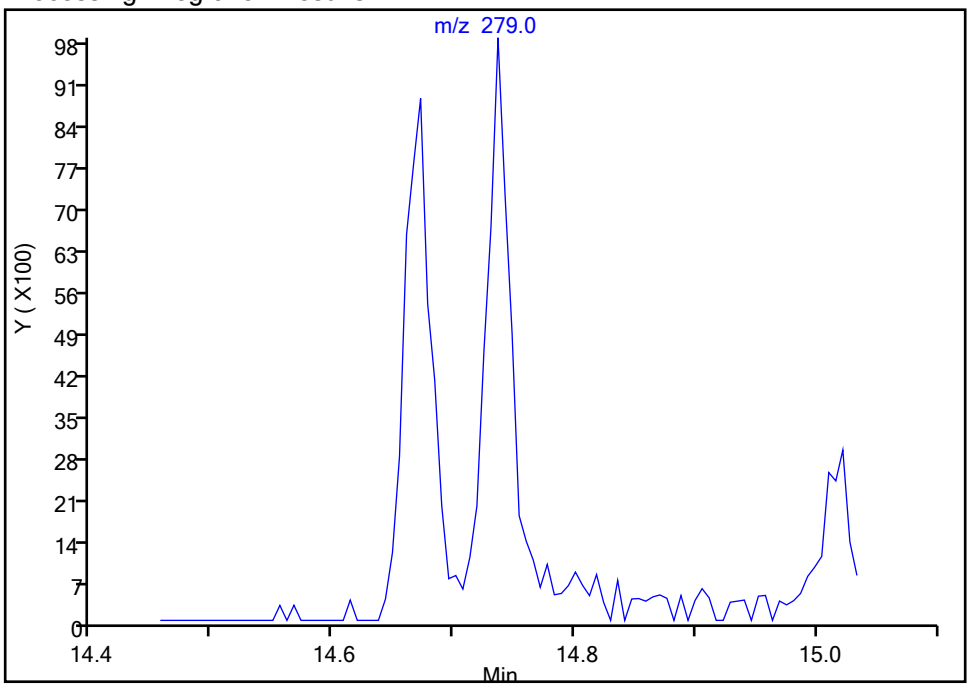
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0703.D				
Injection Date:	07-Nov-2022 19:41:30	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

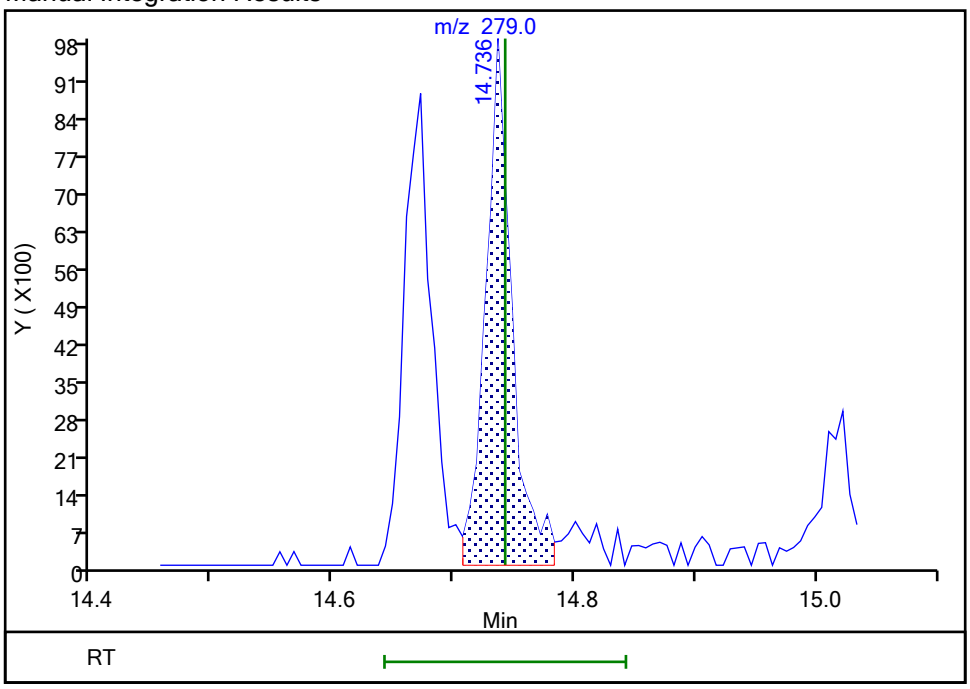
Not Detected
Expected RT: 14.74

Processing Integration Results



Manual Integration Results

RT: 14.74
Area: 14733
Amount: 0.207987
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 20:40:36
Audit Action: Assigned Compound ID Audit Reason: Split Peak

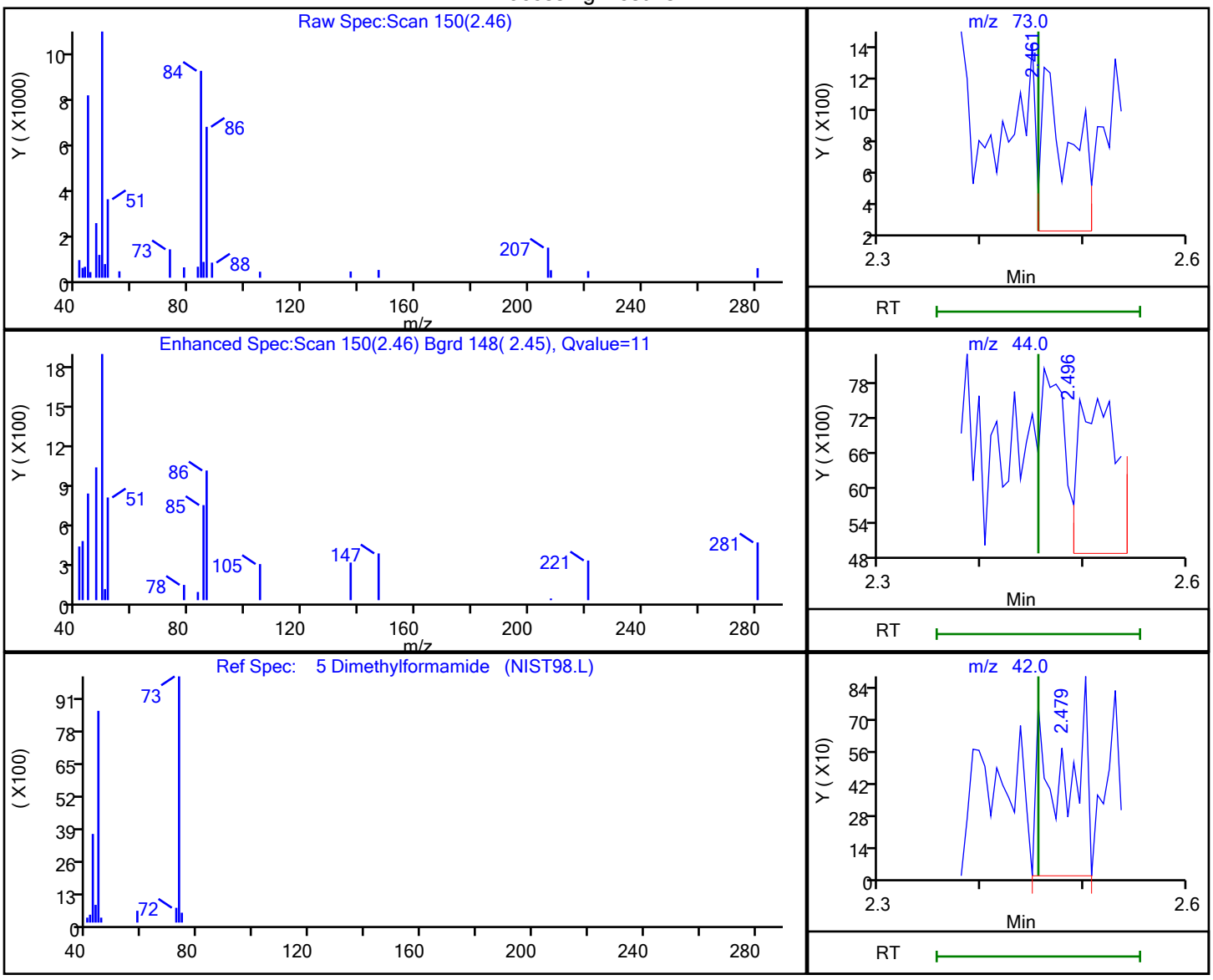
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0703.D				
Injection Date:	07-Nov-2022 19:41:30	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

5 Dimethylformamide, CAS: 68-12-2

Processing Results



RT	Mass	Response	Amount
2.46	73.00	1811	0.095990
2.50	44.00	6530	
2.48	42.00	1529	

Reviewer: SJ89, 07-Nov-2022 20:39:11

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

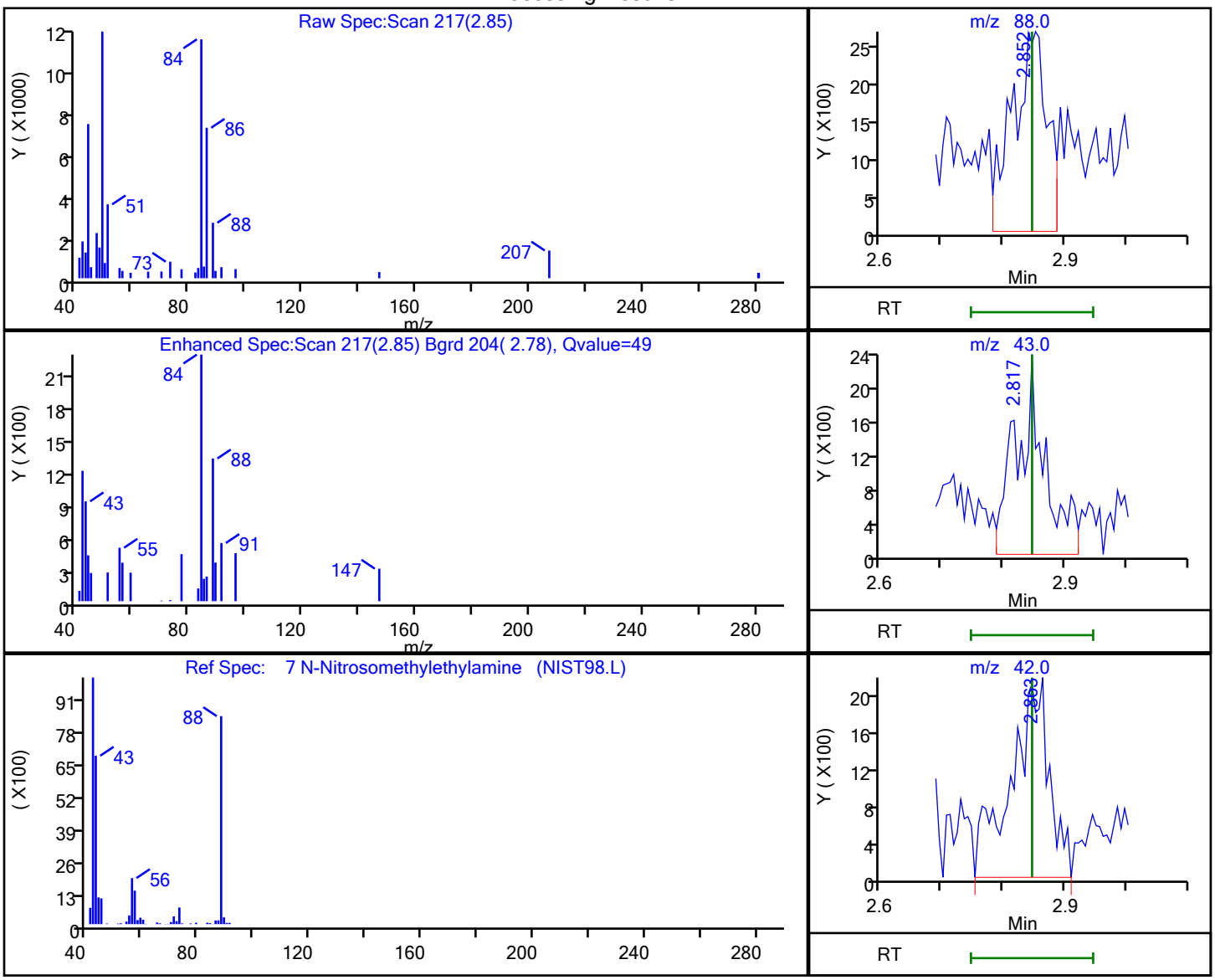
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0703.D				
Injection Date:	07-Nov-2022 19:41:30	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

7 N-Nitrosomethylethylamine, CAS: 10595-95-6

Processing Results



RT	Mass	Response	Amount
2.85	88.00	10342	0.410818
2.82	43.00	7388	
2.86	42.00	9188	

Reviewer: SJ89, 07-Nov-2022 20:39:18

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\HP19760\20221107-70576.b\DK0704.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 07-Nov-2022 20:02:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0070576-005
Operator ID: kel10217 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub24

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 11:34:35 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: SJ89 Date: 07-Nov-2022 20:42:25

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.890	1.896	-0.006	93	454635	30.0	30.4	
	3 N-Nitrosodimethylamine	74	2.117	2.123	-0.006	94	739971	30.0	28.3	
	4 Pyridine	79	2.158	2.164	-0.006	96	2354725	60.0	58.9	
	5 Dimethylformamide	73	2.450	2.455	-0.005	93	813545	30.0	32.3	
	6 2-Picoline	93	2.764	2.764	0.000	90	1206631	30.0	30.4	
	7 N-Nitrosomethylethylamine	88	2.846	2.846	0.000	93	522562	30.0	29.5	
	8 Methyl methanesulfonate	80	3.114	3.114	0.000	86	739509	30.0	31.5	
$	10 2-Fluorophenol	112	3.271	3.266	0.005	93	1946907	60.0	61.4	
	11 N-Nitrosodiethylamine	102	3.499	3.499	0.000	96	486736	30.0	30.9	
	12 Ethyl methanesulfonate	109	3.779	3.773	0.006	98	533227	30.0	30.9	
	14 Benzaldehyde	77	4.111	4.111	0.000	94	885548	30.0	26.4	
$	17 Phenol-d5	99	4.146	4.140	0.006	95	2645298	60.0	61.2	
	18 Phenol	94	4.157	4.152	0.005	94	1348745	30.0	30.7	
	16 Aniline	93	4.204	4.204	0.000	95	1616273	30.0	31.1	
	19 Bis(2-chloroethyl)ether	93	4.262	4.262	0.000	94	1094512	30.0	31.0	
	20 2-Chlorophenol	128	4.315	4.315	0.000	92	887505	30.0	31.1	
	21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	94	1022844	30.0	30.0	
*	22 1,4-Dichlorobenzene-d4	152	4.519	4.525	-0.006	88	115727	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	89	1032815	30.0	29.8	
	25 Benzyl alcohol	108	4.641	4.641	0.000	88	633309	30.0	30.1	
	24 1,2-Dichlorobenzene	146	4.682	4.682	0.000	92	970720	30.0	29.9	
	27 2-Methylphenol	108	4.740	4.740	0.000	96	888365	30.0	30.9	
	28 2,2'-oxybis[1-chloropropane]	45	4.775	4.775	0.000	91	1159064	30.0	28.0	
	30 N-Nitrosopyrrolidine	100	4.880	4.874	0.006	91	526877	30.0	32.1	
	35 4-Methylphenol	108	4.886	4.886	0.000	95	943387	30.0	30.3	
	32 N-Nitrosodi-n-propylamine	70	4.898	4.898	0.000	69	914772	30.0	31.6	
	31 Acetophenone	105	4.898	4.898	0.000	93	1472540	30.0	30.2	
	33 N-Nitrosomorpholine	56	4.921	4.915	0.006	86	627303	30.0	29.3	
	34 2-Toluidine	106	4.933	4.933	0.000	95	1620996	30.0	30.8	
	36 Hexachloroethane	117	5.003	5.008	-0.005	90	431529	30.0	29.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 37 Nitrobenzene-d5	82	5.043	5.043	0.000	87	2552276	60.0	61.4	
38 Nitrobenzene	77	5.061	5.061	0.000	85	1260544	30.0	29.3	
39 N-Nitrosopiperidine	114	5.207	5.207	0.000	83	476522	30.0	30.7	
40 Isophorone	82	5.288	5.288	0.000	96	2192455	30.0	31.2	
41 2-Nitrophenol	139	5.364	5.364	0.000	89	460794	30.0	33.1	
42 2,4-Dimethylphenol	107	5.399	5.399	0.000	98	1049421	30.0	31.5	
43 o,o',o''-Triethylphosphorothioat	198	5.469	5.469	0.000	83	554139	30.0	30.6	
44 Bis(2-chloroethoxy)methane	93	5.498	5.498	0.000	99	1297245	30.0	29.9	
47 2,4-Dichlorophenol	162	5.591	5.591	0.000	95	796013	30.0	31.7	
48 1,2,4-Trichlorobenzene	180	5.673	5.679	-0.006	92	924779	30.0	29.7	
* 49 Naphthalene-d8	136	5.731	5.731	0.000	99	401747	5.00	5.00	
50 Naphthalene	128	5.754	5.754	0.000	98	2552170	30.0	29.8	
51 Alpha-Terpineol	59	5.760	5.760	0.000	92	857942	30.0	31.1	
52 4-Chloroaniline	127	5.801	5.801	0.000	92	1085482	30.0	32.3	
53 2,6-Dichlorophenol	162	5.807	5.807	0.000	94	801855	30.0	32.1	
54 Hexachloropropene	213	5.836	5.836	0.000	86	782482	30.0	31.2	
55 Hexachlorobutadiene	225	5.871	5.871	0.000	94	645566	30.0	30.1	
56 Quinoline	129	6.069	6.069	0.000	94	1635287	30.0	31.2	
57 Caprolactam	113	6.122	6.110	0.012	52	264670	30.0	33.4	
59 N-Nitrosodi-n-butylamine	84	6.122	6.122	0.000	87	1028608	30.0	31.8	
58 p-Phenylene diamine	108	6.139	6.133	0.006	93	968402	30.0	32.8	
60 4-Chloro-3-methylphenol	107	6.256	6.256	0.000	92	885476	30.0	32.4	
61 Safrole, Total	162	6.326	6.331	-0.005	88	748828	30.0	32.1	
62 2-Methylnaphthalene	142	6.413	6.413	0.000	92	1632434	30.0	30.6	
63 1-Methylnaphthalene	142	6.506	6.506	0.000	93	1661528	30.0	30.8	
64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	94	850010	30.0	30.3	
65 1,2,4,5-Tetrachlorobenzene	216	6.565	6.570	-0.005	97	1140113	30.0	29.7	
66 Isosafrole Peak 1	162	6.605	6.605	0.000	89	137530	4.80	5.26	
68 2,4,6-Trichlorophenol	196	6.675	6.675	0.000	83	663907	30.0	31.8	
69 2,4,5-Trichlorophenol	196	6.705	6.705	0.000	93	739866	30.0	32.5	
$ 70 2-Fluorobiphenyl (Surr)	172	6.763	6.763	0.000	99	4283210	60.0	58.2	
71 Isosafrole Peak 2	162	6.821	6.821	0.000	90	770952	25.2	25.5	
77 1,1'-Biphenyl	154	6.856	6.856	0.000	95	2266320	30.0	29.5	
78 2-Chloronaphthalene	162	6.874	6.874	0.000	94	1855663	30.0	31.1	
79 1-Chloronaphthalene	162	6.897	6.897	0.000	99	1680476	30.0	28.9	
80 Phenyl ether	170	6.955	6.955	0.000	87	1296929	30.0	29.7	
81 2-Nitroaniline	138	6.967	6.967	0.000	76	530505	30.0	34.9	
82 1,4-Naphthoquinone	158	7.043	7.043	0.000	81	694670	30.0	33.0	
83 1,4-Dinitrobenzene	168	7.101	7.101	0.000	85	305116	30.0	34.8	
84 Dimethyl phthalate	163	7.147	7.142	0.005	97	1969798	30.0	29.9	
85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	84	340153	30.0	33.9	
86 2,6-Dinitrotoluene	165	7.200	7.200	0.000	91	462374	30.0	32.0	
87 Acenaphthylene	152	7.264	7.264	0.000	99	2572530	30.0	31.2	
88 3-Nitroaniline	138	7.357	7.352	0.005	87	462143	30.0	34.6	
* 89 Acenaphthene-d10	164	7.398	7.398	0.000	94	251060	5.00	5.00	
90 Acenaphthene	153	7.433	7.433	0.000	96	1841635	30.0	30.9	
91 2,4-Dinitrophenol	184	7.456	7.451	0.005	87	685012	60.0	69.8	
93 4-Nitrophenol	109	7.509	7.503	0.006	82	676148	60.0	66.1	
92 Pentachlorobenzene	250	7.550	7.556	-0.006	98	974178	30.0	30.0	
95 2,4-Dinitrotoluene	165	7.579	7.579	0.000	90	623645	30.0	33.7	
94 Dibenzofuran	168	7.596	7.596	0.000	97	2586713	30.0	29.9	
96 1-Naphthylamine	143	7.666	7.666	0.000	98	1722370	30.0	33.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 2,3,4,6-Tetrachlorophenol	232	7.707	7.707	0.000	70	688870	30.0	32.8	
98 2-Naphthylamine	143	7.742	7.742	0.000	95	1851683	30.0	32.3	
99 Diethyl phthalate	149	7.818	7.818	0.000	98	1962518	30.0	30.8	
101 Thionazin	107	7.894	7.894	0.000	77	345938	30.0	31.9	
100 Fluorene	166	7.917	7.923	-0.006	94	2125375	30.0	30.9	
102 4-Chlorophenyl phenyl ether	204	7.923	7.923	0.000	89	1178081	30.0	31.1	
103 N-Nitro-o-toluidine	152	7.929	7.929	0.000	89	569411	30.0	34.0	
104 4-Nitroaniline	138	7.934	7.929	0.005	79	509215	30.0	34.9	
105 4,6-Dinitro-2-methylphenol	198	7.964	7.958	0.006	88	878051	60.0	66.5	
106 N-Nitrosodiphenylamine	169	8.033	8.033	0.000	62	1490413	25.5	26.4	
107 1,2-Diphenylhydrazine	77	8.074	8.074	0.000	41	2576411	30.0	30.5	
$ 108 2,4,6-Tribromophenol	330	8.144	8.144	0.000	94	797732	60.0	66.2	
109 Sulfotepp	97	8.185	8.185	0.000	82	388276	30.0	30.9	
110 1,3,5-Trinitrobenzene	213	8.272	8.272	0.000	82	265356	30.0	32.0	
111 cis-Diallate	86	8.307	8.307	0.000	0	759795	22.2	22.0	
112 Phorate	75	8.319	8.319	0.000	95	1617638	30.0	33.5	
113 Phenacetin	108	8.325	8.325	0.000	93	1029254	30.0	33.9	
114 4-Bromophenyl phenyl ether	248	8.389	8.389	0.000	64	740908	30.0	30.0	
115 trans-Diallate	86	8.395	8.395	0.000	0	266707	7.80	7.64	
116 Hexachlorobenzene	284	8.436	8.436	0.000	96	803786	30.0	28.7	
117 Dimethoate	87	8.476	8.476	0.000	97	910454	30.0	32.5	
118 Atrazine	200	8.541	8.541	0.000	93	655787	30.0	30.6	
119 Pentachlorophenol	266	8.622	8.622	0.000	93	1046783	60.0	66.5	
121 4-Aminobiphenyl	169	8.634	8.634	0.000	91	2497434	30.0	32.3	
120 Pentachloronitrobenzene	237	8.634	8.634	0.000	90	372198	30.0	31.4	
122 Pronamide	173	8.686	8.686	0.000	90	969488	30.0	33.9	
125 Dinoseb	211	8.797	8.803	-0.006	97	655631	30.0	32.1	
* 123 Phenanthrene-d10	188	8.809	8.809	0.000	98	513894	5.00	5.00	
126 Disulfoton	88	8.814	8.814	0.000	96	1547537	30.0	31.7	
124 Phenanthrene	178	8.832	8.832	0.000	96	3194401	30.0	29.2	
127 Anthracene	178	8.879	8.879	0.000	98	3257582	30.0	30.7	
128 Carbazole	167	9.030	9.030	0.000	96	2855832	30.0	31.6	
129 Methyl parathion	109	9.170	9.170	0.000	93	700077	30.0	31.8	
130 Di-n-butyl phthalate	149	9.374	9.374	0.000	100	3223023	30.0	33.2	
132 Ethyl Parathion	109	9.543	9.543	0.000	86	428294	30.0	35.7	
131 4-Nitroquinoline-1-oxide	190	9.566	9.566	0.000	89	302694	30.0	31.3	
S 67 Diallate	86				0		30.0	29.7	
134 Octachlorostyrene	308	9.776	9.782	-0.006	91	315004	30.0	29.5	
135 Isodrin	193	9.823	9.823	0.000	93	406763	30.0	28.6	
136 Fluoranthene	202	9.963	9.963	0.000	97	3644159	30.0	30.9	
137 Benzidine	184	10.097	10.097	0.000	99	6788558	90.0	94.6	e
* 138 Pyrene-d10 (IS)	212	10.161	10.161	0.000	97	547880	5.00	5.00	
139 Pyrene	202	10.178	10.178	0.000	97	3845416	30.0	28.9	
$ 142 p-Terphenyl-d14	244	10.336	10.342	-0.006	99	5933075	60.0	59.1	
145 p-Dimethylamino azobenzene	225	10.481	10.481	0.000	90	742419	30.0	30.4	
146 Chlorobenzilate	139	10.534	10.534	0.000	97	1016329	30.0	33.6	
148 3,3'-Dimethylbenzidine	212	10.837	10.837	0.000	99	2186144	30.0	31.3	
150 Butyl benzyl phthalate	149	10.860	10.860	0.000	95	1433063	30.0	33.1	
151 2-Acetylaminofluorene	181	11.111	11.111	0.000	93	1253965	30.0	35.0	
153 3,3'-Dichlorobenzidine	252	11.449	11.455	-0.006	75	1489485	30.0	33.3	
154 4,4'-Methylene bis(2-chloroani	231	11.461	11.461	0.000	95	797774	30.0	33.2	
152 Benzo[a]anthracene	228	11.472	11.472	0.000	97	3885572	30.0	32.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
155 Chrysene	228	11.519	11.513	0.006	96	3766572	30.0	30.4	
156 Bis(2-ethylhexyl) phthalate	149	11.548	11.548	0.000	97	1935872	30.0	39.7	M
157 6-Methylchrysene	242	12.096	12.096	0.000	98	2625170	30.0	32.3	
158 Di-n-octyl phthalate	149	12.422	12.428	-0.006	99	3036503	30.0	43.5	
159 Benzo[b]fluoranthene	252	12.895	12.895	0.000	95	3781472	30.0	32.2	
160 7,12-Dimethylbenz(a)anthracene	256	12.895	12.895	0.000	75	1693081	30.0	35.8	
161 Benzo[k]fluoranthene	252	12.935	12.935	0.000	98	3837847	30.0	32.3	
162 Benzo[a]pyrene	252	13.361	13.361	0.000	75	3131042	30.0	33.7	
* 163 Perylene-d12	264	13.437	13.442	-0.005	99	445891	5.00	5.00	
164 3-Methylcholanthrene	268	13.880	13.880	0.000	89	1730616	30.0	34.4	
165 Dibenz[a,h]acridine	279	14.678	14.678	0.000	90	2536878	30.0	35.1	
166 Dibenz[a,j]acridine	279	14.742	14.742	0.000	97	2877464	30.0	34.8	
167 Indeno[1,2,3-cd]pyrene	276	14.981	14.981	0.000	98	2752811	30.0	33.6	
168 Dibenz(a,h)anthracene	278	15.022	15.022	0.000	90	3259473	30.0	33.8	
169 Benzo[g,h,i]perylene	276	15.366	15.366	0.000	97	3206481	30.0	31.9	
S 170 Aramite, Total	185		44.000				30.0	ND	
S 173 Dinitrotoluene	165				0			65.7	
S 177 Isosafrole	162				0		30.0	30.7	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_8_00027 Amount Added: 1.00 Units: mL

Report Date: 08-Nov-2022 11:34:36 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0704.D

Injection Date: 07-Nov-2022 20:02:30 Instrument ID: HP19760 Operator ID: kel10217

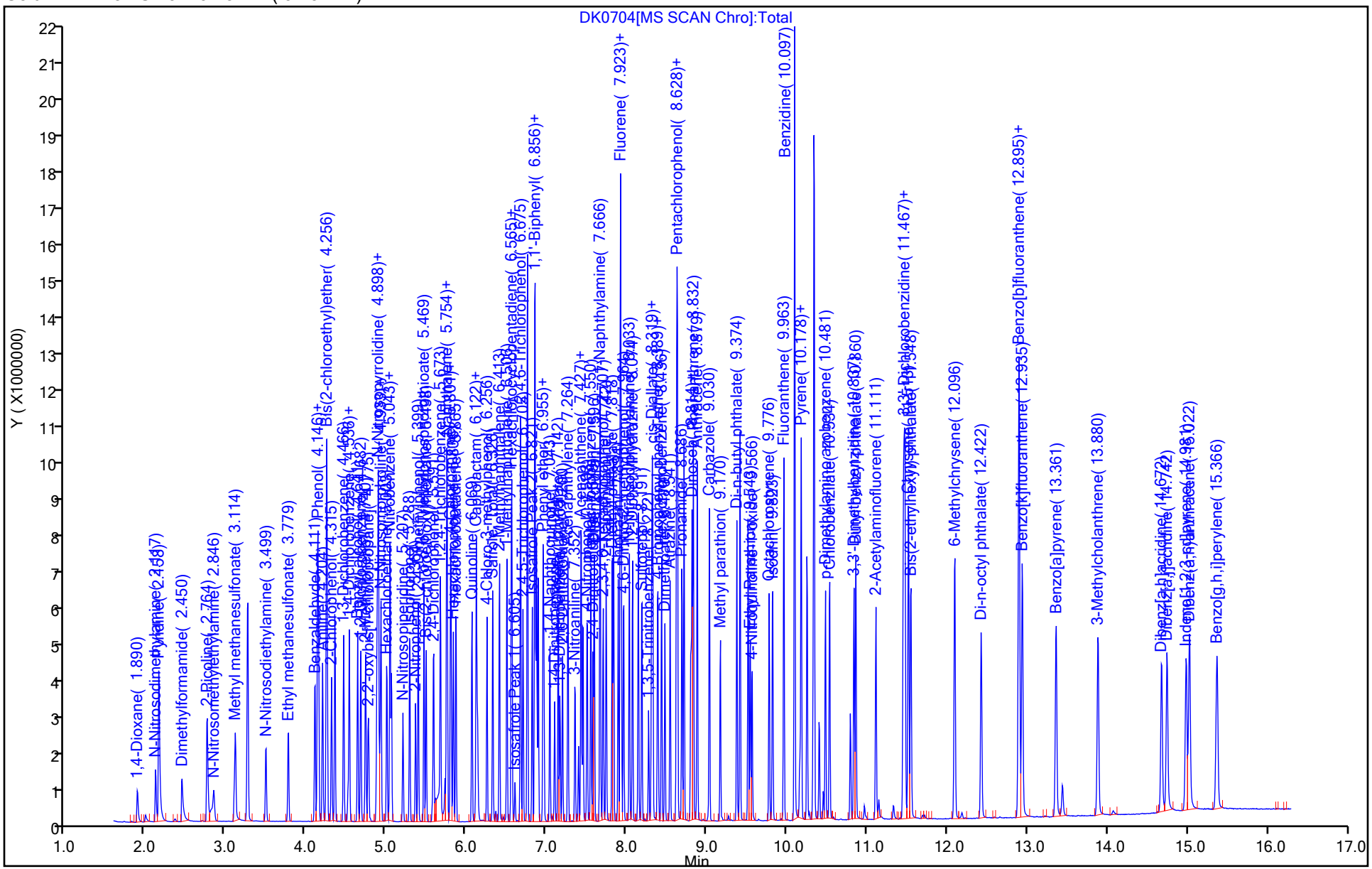
Lims ID: IC L8 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

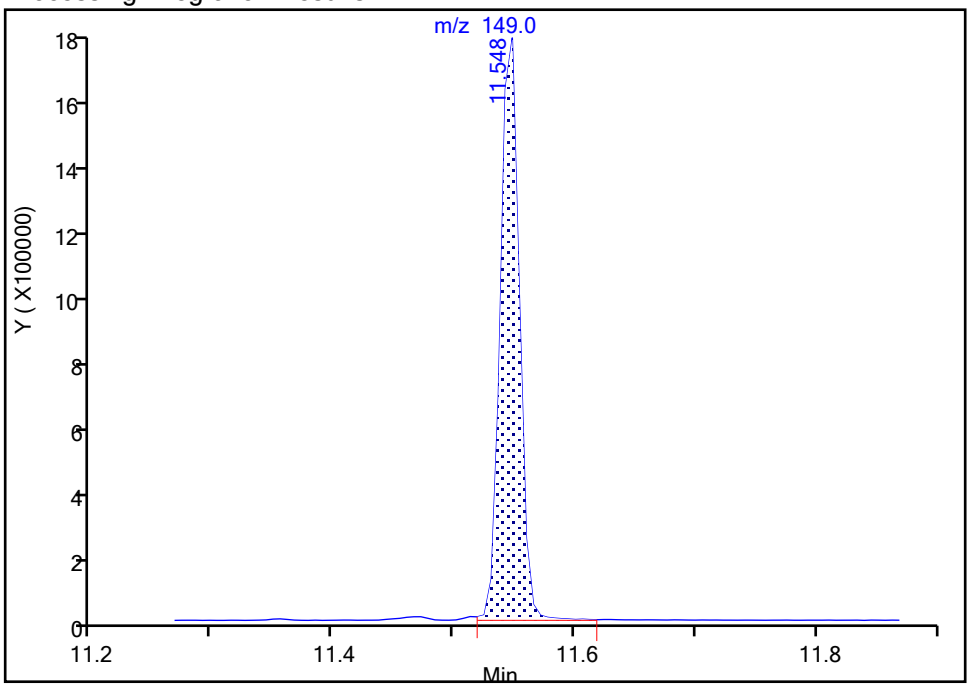
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0704.D				
Injection Date:	07-Nov-2022 20:02:30	Instrument ID:	HP19760		
Lims ID:	IC L8				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

156 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

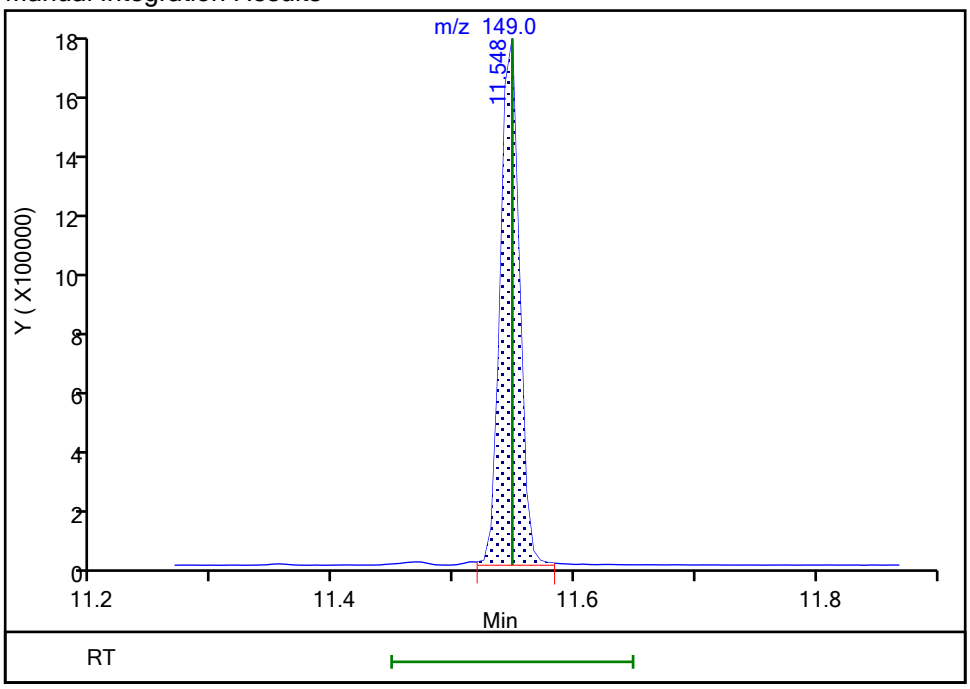
Processing Integration Results

RT: 11.55
Area: 1943420
Amount: 29.320444
Amount Units: ug/ml



Manual Integration Results

RT: 11.55
Area: 1935872
Amount: 39.652502
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 22:52:59
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\HP19760\20221107-70576.b\DK0705.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Nov-2022 20:23:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0070576-006
Operator ID: kel10217 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub24

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 11:34:44 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: SJ89 Date: 07-Nov-2022 20:50:31

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.890	1.896	-0.006	92	310825	20.0	20.5	
	3 N-Nitrosodimethylamine	74	2.117	2.123	-0.006	94	507394	20.0	19.2	
	4 Pyridine	79	2.158	2.164	-0.006	96	1597968	40.0	39.5	
	5 Dimethylformamide	73	2.450	2.455	-0.005	92	532852	20.0	20.9	
	6 2-Picoline	93	2.764	2.764	0.000	89	805272	20.0	20.1	
	7 N-Nitrosomethylethylamine	88	2.846	2.846	0.000	93	353437	20.0	19.8	
	8 Methyl methanesulfonate	80	3.114	3.114	0.000	86	492398	20.0	20.7	
$	10 2-Fluorophenol	112	3.266	3.266	0.000	93	1313121	40.0	41.0	
	11 N-Nitrosodiethylamine	102	3.493	3.499	-0.006	96	327624	20.0	20.6	
	12 Ethyl methanesulfonate	109	3.773	3.773	0.000	96	349606	20.0	20.0	
	14 Benzaldehyde	77	4.105	4.111	-0.006	94	626387	20.0	18.5	
$	17 Phenol-d5	99	4.140	4.140	0.000	94	1804073	40.0	41.3	
	18 Phenol	94	4.152	4.152	0.000	94	918948	20.0	20.7	
	16 Aniline	93	4.204	4.204	0.000	95	1110128	20.0	21.1	
	19 Bis(2-chloroethyl)ether	93	4.262	4.262	0.000	96	742708	20.0	20.8	
	20 2-Chlorophenol	128	4.315	4.315	0.000	92	614961	20.0	21.3	
	21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	93	695230	20.0	20.2	
*	22 1,4-Dichlorobenzene-d4	152	4.519	4.525	-0.006	93	116924	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	88	703883	20.0	20.1	
	25 Benzyl alcohol	108	4.641	4.641	0.000	89	438990	20.0	20.6	
	24 1,2-Dichlorobenzene	146	4.682	4.682	0.000	93	666345	20.0	20.3	
	27 2-Methylphenol	108	4.740	4.740	0.000	95	596941	20.0	20.6	
	28 2,2'-oxybis[1-chloropropane]	45	4.775	4.775	0.000	91	789285	20.0	18.9	
	30 N-Nitrosopyrrolidine	100	4.874	4.874	0.000	90	352797	20.0	21.3	
	35 4-Methylphenol	108	4.886	4.886	0.000	96	629891	20.0	20.0	
	32 N-Nitrosodi-n-propylamine	70	4.898	4.898	0.000	71	610700	20.0	20.9	
	31 Acetophenone	105	4.898	4.898	0.000	91	987933	20.0	20.0	
	33 N-Nitrosomorpholine	56	4.915	4.915	0.000	91	424509	20.0	19.6	
	34 2-Toluidine	106	4.933	4.933	0.000	95	1104777	20.0	20.8	
	36 Hexachloroethane	117	5.003	5.008	-0.005	90	296181	20.0	19.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 37 Nitrobenzene-d5	82	5.043	5.043	0.000	87	1744689	40.0	42.3	
38 Nitrobenzene	77	5.061	5.061	0.000	84	866805	20.0	20.3	
39 N-Nitrosopiperidine	114	5.207	5.207	0.000	83	321815	20.0	20.9	
40 Isophorone	82	5.288	5.288	0.000	96	1493554	20.0	21.4	
41 2-Nitrophenol	139	5.364	5.364	0.000	89	312704	20.0	22.7	
42 2,4-Dimethylphenol	107	5.399	5.399	0.000	98	713645	20.0	21.6	
43 o,o',o''-Triethylphosphorothioat	198	5.469	5.469	0.000	80	383414	20.0	21.3	
44 Bis(2-chloroethoxy)methane	93	5.498	5.498	0.000	99	876750	20.0	20.4	
47 2,4-Dichlorophenol	162	5.585	5.591	-0.006	95	547956	20.0	22.0	
48 1,2,4-Trichlorobenzene	180	5.673	5.679	-0.006	92	634983	20.0	20.5	
* 49 Naphthalene-d8	136	5.731	5.731	0.000	99	398580	5.00	5.00	
50 Naphthalene	128	5.749	5.754	-0.005	98	1755719	20.0	20.7	
51 Alpha-Terpineol	59	5.760	5.760	0.000	92	590083	20.0	21.5	
52 4-Chloroaniline	127	5.801	5.801	0.000	93	745114	20.0	22.4	
53 2,6-Dichlorophenol	162	5.807	5.807	0.000	95	545195	20.0	22.0	
54 Hexachloropropene	213	5.836	5.836	0.000	87	520583	20.0	20.9	
55 Hexachlorobutadiene	225	5.865	5.871	-0.006	94	437791	20.0	20.6	
56 Quinoline	129	6.069	6.069	0.000	94	1106817	20.0	21.3	
57 Caprolactam	113	6.116	6.110	0.006	76	175874	20.0	22.4	
59 N-Nitrosodi-n-butylamine	84	6.122	6.122	0.000	90	687012	20.0	21.4	
58 p-Phenylene diamine	108	6.133	6.133	0.000	94	651544	20.0	22.2	
60 4-Chloro-3-methylphenol	107	6.256	6.256	0.000	92	596258	20.0	22.0	
61 Safrole, Total	162	6.326	6.331	-0.005	87	495646	20.0	21.4	
62 2-Methylnaphthalene	142	6.407	6.413	-0.006	92	1109893	20.0	21.0	
63 1-Methylnaphthalene	142	6.500	6.506	-0.006	94	1133572	20.0	21.2	
64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	93	581643	20.0	19.9	
65 1,2,4,5-Tetrachlorobenzene	216	6.565	6.570	-0.005	97	779473	20.0	19.4	
66 Isosafrole Peak 1	162	6.605	6.605	0.000	88	90141	3.20	3.30	
68 2,4,6-Trichlorophenol	196	6.675	6.675	0.000	82	452769	20.0	20.7	
69 2,4,5-Trichlorophenol	196	6.704	6.705	-0.001	93	500759	20.0	21.0	
$ 70 2-Fluorobiphenyl (Surr)	172	6.757	6.763	-0.006	100	2948384	40.0	38.3	
71 Isosafrole Peak 2	162	6.821	6.821	0.000	90	514201	16.8	16.2	
77 1,1'-Biphenyl	154	6.856	6.856	0.000	95	1554512	20.0	19.3	
78 2-Chloronaphthalene	162	6.874	6.874	0.000	94	1306081	20.0	20.9	M
79 1-Chloronaphthalene	162	6.891	6.897	-0.006	98	1084203	20.0	17.8	Ma
80 Phenyl ether	170	6.955	6.955	0.000	87	889687	20.0	19.5	
81 2-Nitroaniline	138	6.967	6.967	0.000	76	362949	20.0	22.9	
82 1,4-Naphthoquinone	158	7.037	7.043	-0.006	82	466408	20.0	21.2	
83 1,4-Dinitrobenzene	168	7.101	7.101	0.000	84	203548	20.0	22.2	
84 Dimethyl phthalate	163	7.142	7.142	0.000	97	1365281	20.0	19.8	
85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	84	226252	20.0	21.5	
86 2,6-Dinitrotoluene	165	7.200	7.200	0.000	91	318388	20.0	21.1	
87 Acenaphthylene	152	7.264	7.264	0.000	99	1746799	20.0	20.3	
88 3-Nitroaniline	138	7.351	7.352	-0.001	87	315912	20.0	22.6	
* 89 Acenaphthene-d10	164	7.398	7.398	0.000	93	262456	5.00	5.00	
90 Acenaphthene	153	7.427	7.433	-0.006	95	1244770	20.0	20.0	
91 2,4-Dinitrophenol	184	7.451	7.451	0.000	83	452838	40.0	44.2	
93 4-Nitrophenol	109	7.503	7.503	0.000	83	465943	40.0	43.6	
92 Pentachlorobenzene	250	7.550	7.556	-0.006	98	665814	20.0	19.6	
95 2,4-Dinitrotoluene	165	7.579	7.579	0.000	90	432421	20.0	22.3	
94 Dibenzofuran	168	7.596	7.596	0.000	97	1765557	20.0	19.5	
96 1-Naphthylamine	143	7.666	7.666	0.000	98	1143536	20.0	21.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 2,3,4,6-Tetrachlorophenol	232	7.707	7.707	0.000	70	469525	20.0	21.4	
98 2-Naphthylamine	143	7.742	7.742	0.000	95	1243990	20.0	20.7	
99 Diethyl phthalate	149	7.818	7.818	0.000	98	1337367	20.0	20.1	
101 Thionazin	107	7.894	7.894	0.000	79	233777	20.0	20.6	
100 Fluorene	166	7.917	7.923	-0.006	93	1443587	20.0	20.1	
102 4-Chlorophenyl phenyl ether	204	7.923	7.923	0.000	88	803016	20.0	20.3	
103 N-Nitro-o-toluidine	152	7.929	7.929	-0.001	88	374554	20.0	21.4	
104 4-Nitroaniline	138	7.929	7.929	-0.001	77	341795	20.0	22.4	
105 4,6-Dinitro-2-methylphenol	198	7.958	7.958	0.000	86	584161	40.0	43.9	
106 N-Nitrosodiphenylamine	169	8.033	8.033	0.000	62	1018094	17.0	17.9	
107 1,2-Diphenylhydrazine	77	8.068	8.074	-0.006	41	1751729	20.0	20.6	
$ 108 2,4,6-Tribromophenol	330	8.144	8.144	0.000	94	540820	40.0	42.9	
109 Sulfotepp	97	8.185	8.185	0.000	78	260423	20.0	20.6	
110 1,3,5-Trinitrobenzene	213	8.272	8.272	0.000	83	172741	20.0	20.9	
111 cis-Diallate	86	8.307	8.307	0.000	0	503363	14.8	14.5	
112 Phorate	75	8.313	8.319	-0.006	95	1062592	20.0	21.8	
113 Phenacetin	108	8.325	8.325	0.000	90	688605	20.0	22.5	
114 4-Bromophenyl phenyl ether	248	8.383	8.389	-0.006	64	505999	20.0	20.3	
115 trans-Diallate	86	8.395	8.395	0.000	0	177356	5.20	5.04	
116 Hexachlorobenzene	284	8.436	8.436	0.000	95	549329	20.0	19.4	
117 Dimethoate	87	8.471	8.476	-0.005	96	621015	20.0	22.0	
118 Atrazine	200	8.541	8.541	-0.001	93	445586	20.0	20.6	
119 Pentachlorophenol	266	8.622	8.622	0.000	93	713571	40.0	45.0	
121 4-Aminobiphenyl	169	8.628	8.634	-0.006	91	1677106	20.0	21.5	
120 Pentachloronitrobenzene	237	8.634	8.634	0.000	88	256368	20.0	21.5	
122 Pronamide	173	8.686	8.686	0.000	90	658986	20.0	22.9	
125 Dinoseb	211	8.797	8.803	-0.006	97	429160	20.0	21.1	
* 123 Phenanthrene-d10	188	8.809	8.809	0.000	98	517475	5.00	5.00	
126 Disulfoton	88	8.814	8.814	0.000	96	1028837	20.0	20.9	
124 Phenanthrene	178	8.826	8.832	-0.006	97	2194952	20.0	19.9	
127 Anthracene	178	8.879	8.879	0.000	98	2226687	20.0	20.8	
128 Carbazole	167	9.030	9.030	0.000	96	1952916	20.0	21.4	
129 Methyl parathion	109	9.164	9.170	-0.006	93	461568	20.0	21.0	
130 Di-n-butyl phthalate	149	9.374	9.374	0.000	100	2169273	20.0	22.2	
132 Ethyl Parathion	109	9.537	9.543	-0.006	86	278271	20.0	23.1	
131 4-Nitroquinoline-1-oxide	190	9.561	9.566	-0.005	83	190429	20.0	20.3	
S 67 Diallate	86				0		20.0	19.5	
134 Octachlorostyrene	308	9.776	9.782	-0.006	90	210704	20.0	19.6	
135 Isodrin	193	9.817	9.823	-0.006	95	273074	20.0	19.0	
136 Fluoranthene	202	9.957	9.963	-0.006	97	2487227	20.0	20.9	
137 Benzidine	184	10.091	10.097	-0.006	99	4740314	60.0	67.0	
* 138 Pyrene-d10 (IS)	212	10.155	10.161	-0.006	98	540018	5.00	5.00	
139 Pyrene	202	10.178	10.178	0.000	98	2640244	20.0	20.1	
$ 142 p-Terphenyl-d14	244	10.336	10.342	-0.006	99	4087823	40.0	41.3	
145 p-Dimethylamino azobenzene	225	10.481	10.481	0.000	90	486134	20.0	20.5	
146 Chlorobenzilate	139	10.528	10.534	-0.006	97	668825	20.0	22.4	
148 3,3'-Dimethylbenzidine	212	10.831	10.837	-0.006	99	1456586	20.0	21.1	
150 Butyl benzyl phthalate	149	10.860	10.860	0.000	96	968571	20.0	22.7	
151 2-Acetylaminofluorene	181	11.105	11.111	-0.006	94	811441	20.0	23.0	
153 3,3'-Dichlorobenzidine	252	11.449	11.455	-0.006	75	1009434	20.0	22.9	
154 4,4'-Methylene bis(2-chloroani	231	11.461	11.461	0.000	95	529962	20.0	22.4	
152 Benzo[a]anthracene	228	11.466	11.472	-0.006	97	2629112	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
155 Chrysene	228	11.513	11.513	0.000	96	2603941	20.0	21.3	
156 Bis(2-ethylhexyl) phthalate	149	11.542	11.548	-0.006	97	1290803	20.0	26.8	M
157 6-Methylchrysene	242	12.090	12.096	-0.006	98	1742802	20.0	21.8	
158 Di-n-octyl phthalate	149	12.422	12.428	-0.006	99	1964851	20.0	27.9	
159 Benzo[b]fluoranthene	252	12.895	12.895	-0.001	96	2538555	20.0	21.4	
160 7,12-Dimethylbenz(a)anthracene	256	12.895	12.895	-0.001	73	1108720	20.0	23.2	
161 Benzo[k]fluoranthene	252	12.935	12.935	0.000	97	2621406	20.0	21.9	
162 Benzo[a]pyrene	252	13.355	13.361	-0.006	75	2098606	20.0	22.4	
* 163 Perylene-d12	264	13.437	13.442	-0.005	99	449748	5.00	5.00	
164 3-Methylcholanthrene	268	13.880	13.880	0.000	89	1131281	20.0	22.3	
165 Dibenz[a,h]acridine	279	14.672	14.678	-0.006	90	1644666	20.0	22.6	
166 Dibenz[a,j]acridine	279	14.742	14.742	0.000	96	1956855	20.0	23.5	
167 Indeno[1,2,3-cd]pyrene	276	14.981	14.981	0.000	97	1899322	20.0	23.0	
168 Dibenz(a,h)anthracene	278	15.022	15.022	0.000	91	2140708	20.0	22.0	
169 Benzo[g,h,i]perylene	276	15.360	15.366	-0.006	97	2149117	20.0	21.2	
S 170 Aramite, Total	185		44.000				20.0	ND	
S 173 Dinitrotoluene	165				0			43.4	
S 177 Isosafrole	162				0		20.0	19.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_7_00026 Amount Added: 1.00 Units: mL

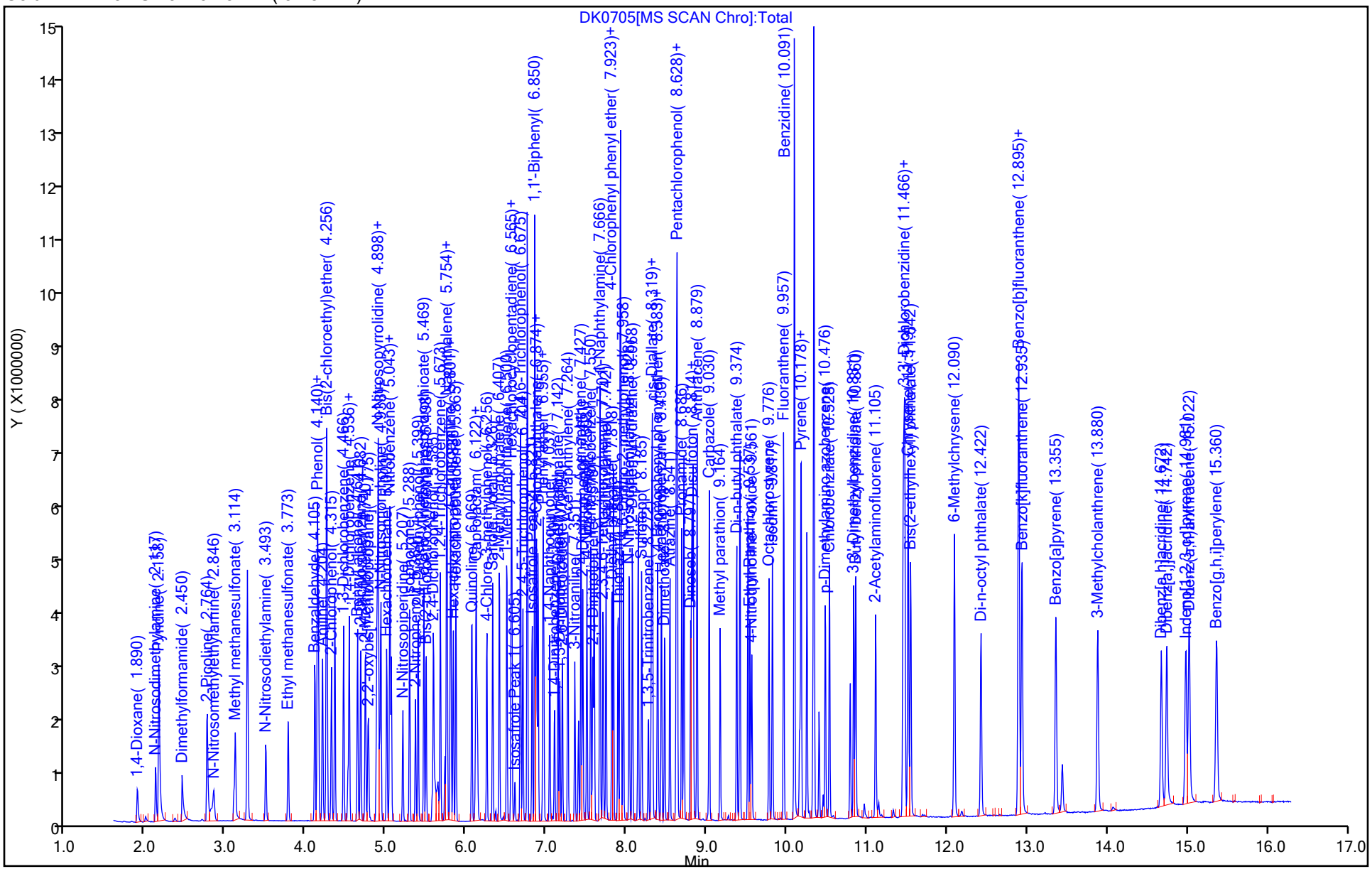
Report Date: 08-Nov-2022 11:34:45 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0705.D

Injection Date:	07-Nov-2022 20:23:30	Instrument ID:	HP19760	Operator ID:	kel10217
Lims ID:	IC L7			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

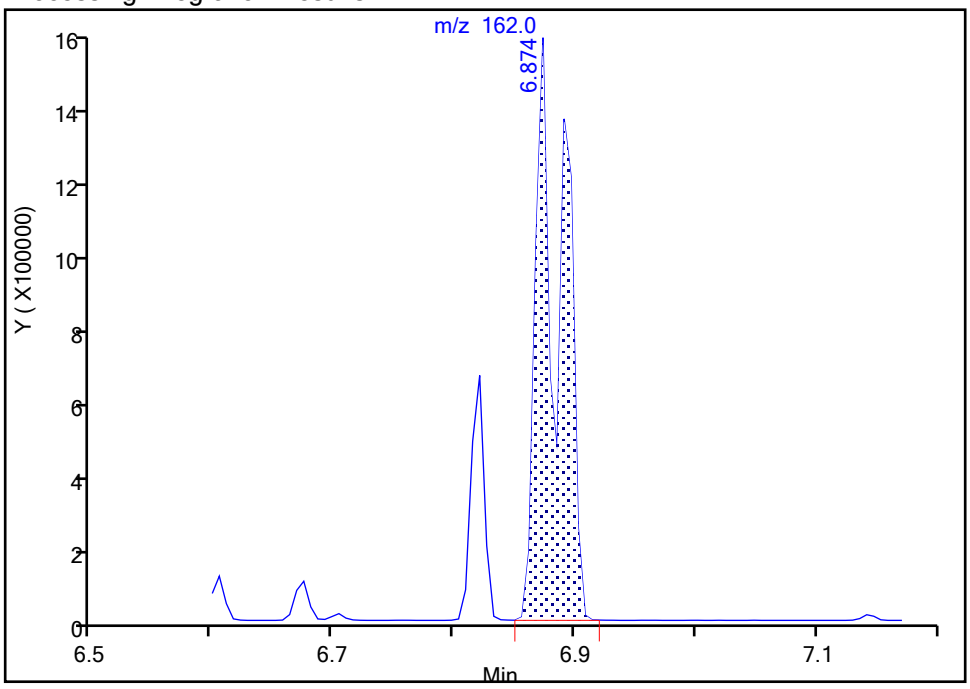
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0705.D				
Injection Date:	07-Nov-2022 20:23:30	Instrument ID:	HP19760		
Lims ID:	IC L7				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

78 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

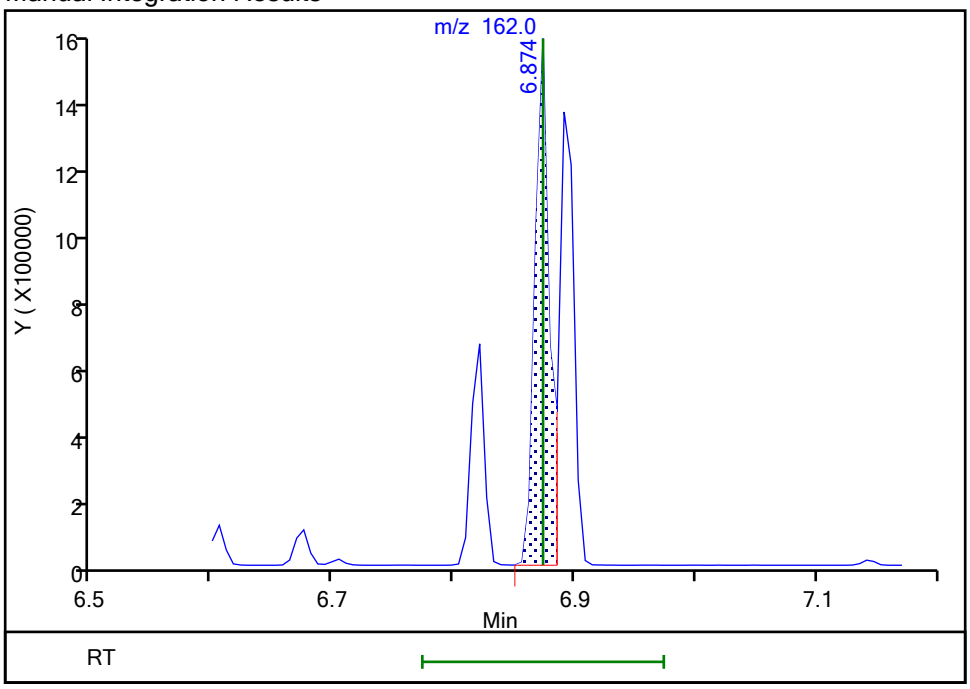
Processing Integration Results

RT: 6.87
Area: 2390285
Amount: 31.478404
Amount Units: ug/ml



Manual Integration Results

RT: 6.87
Area: 1306081
Amount: 20.916824
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 20:43:02
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

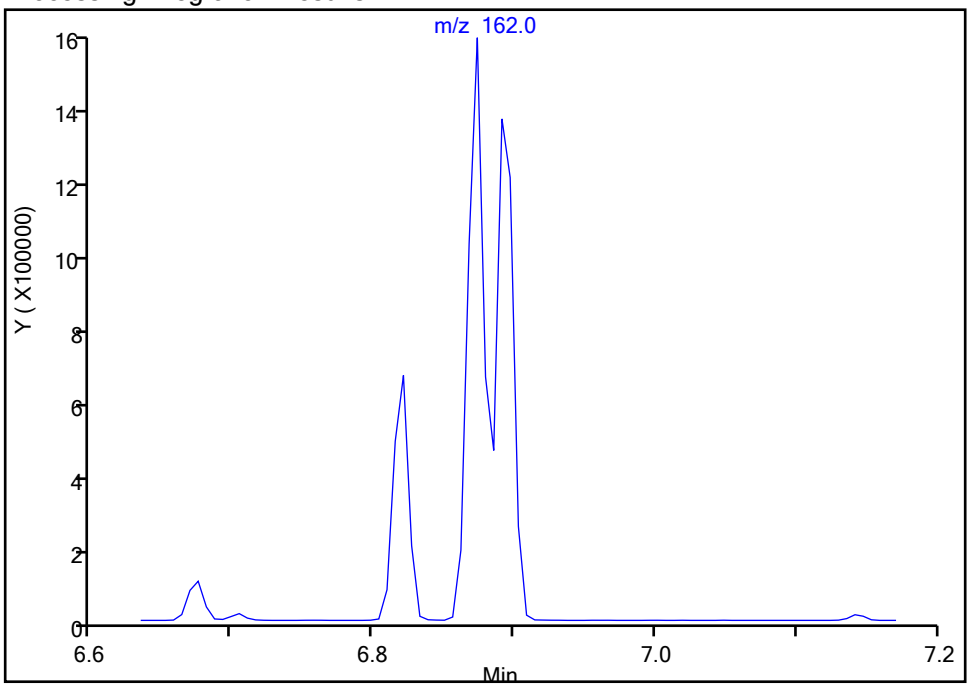
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0705.D				
Injection Date:	07-Nov-2022 20:23:30	Instrument ID:	HP19760		
Lims ID:	IC L7				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

79 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

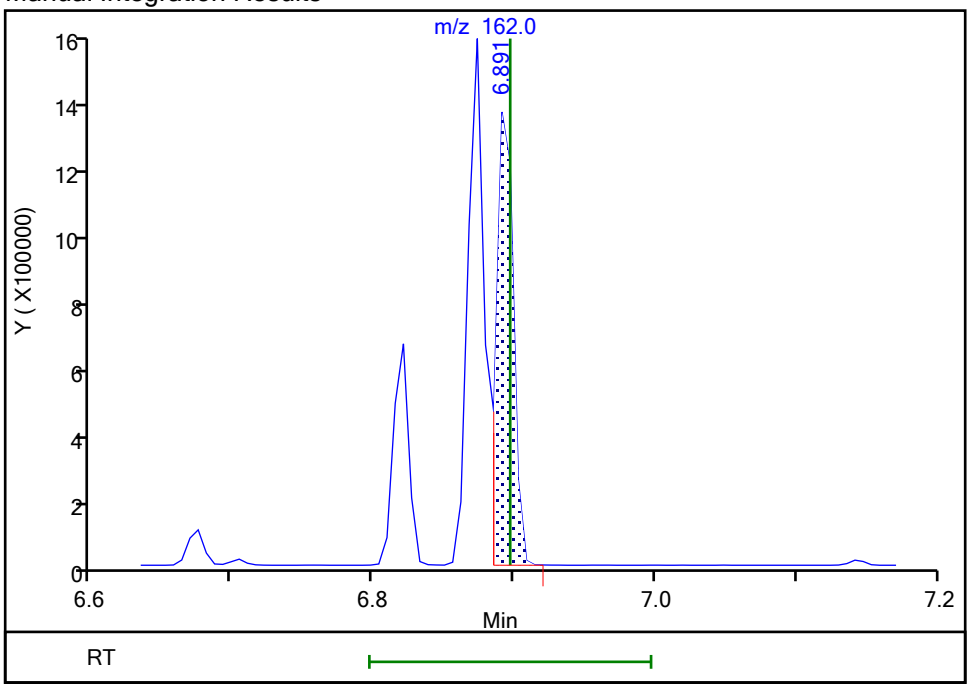
Not Detected
Expected RT: 6.90

Processing Integration Results



Manual Integration Results

RT: 6.89
Area: 1084203
Amount: 17.832044
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 20:43:10
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

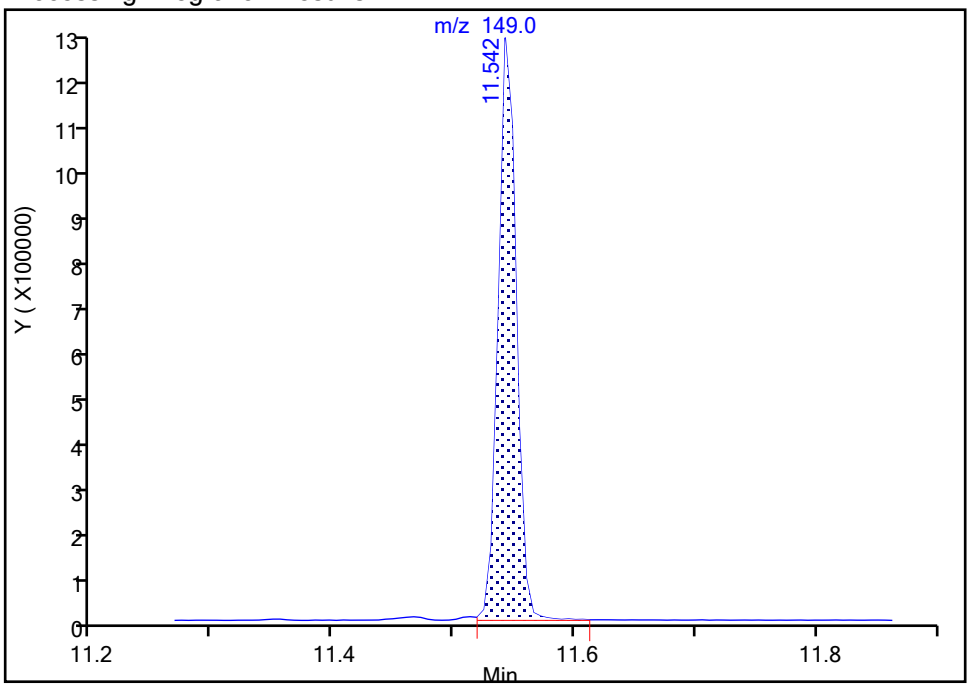
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0705.D				
Injection Date:	07-Nov-2022 20:23:30	Instrument ID:	HP19760		
Lims ID:	IC L7				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

156 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

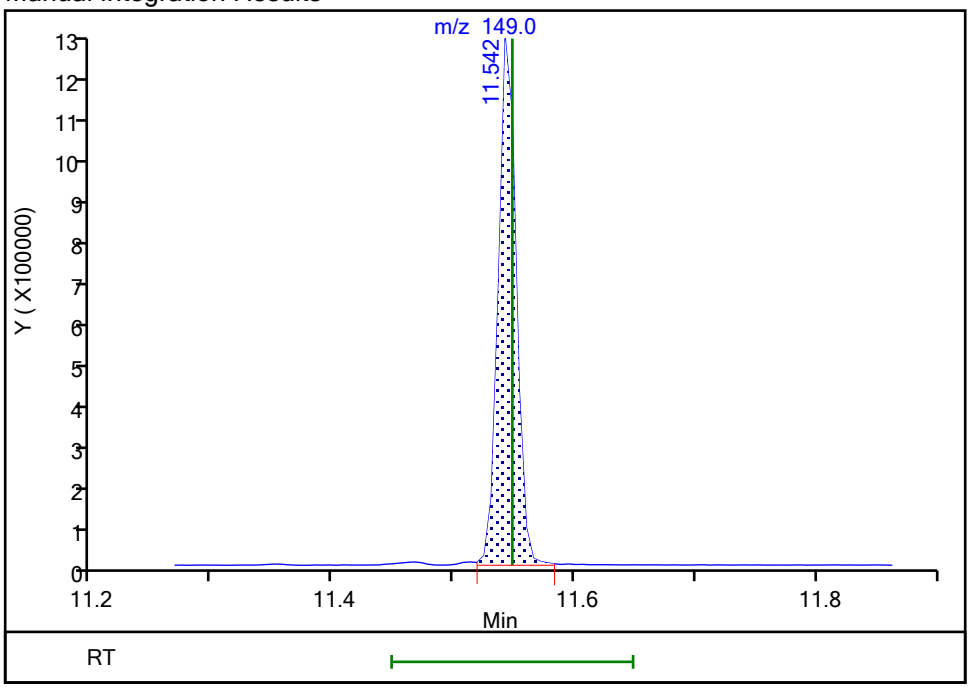
Processing Integration Results

RT: 11.54
Area: 1294696
Amount: 20.917548
Amount Units: ug/ml



Manual Integration Results

RT: 11.54
Area: 1290803
Amount: 26.824469
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 22:53:19

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\HP19760\20221107-70576.b\DK0706.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 07-Nov-2022 20:44:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0070576-007
Operator ID: kel10217 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub24

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 11:34:52 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: SJ89 Date: 07-Nov-2022 21:16:24

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.896	1.896	0.000	92	116279	7.50	7.88	
	3 N-Nitrosodimethylamine	74	2.123	2.123	0.000	94	188782	7.50	7.33	
	4 Pyridine	79	2.164	2.164	0.000	96	593835	15.0	15.1	
	5 Dimethylformamide	73	2.461	2.461	0.000	92	194773	7.50	7.86	
	6 2-Picoline	93	2.764	2.764	0.000	90	301353	7.50	7.71	
	7 N-Nitrosomethylethylamine	88	2.846	2.846	0.000	93	132478	7.50	7.60	
	8 Methyl methanesulfonate	80	3.114	3.114	0.000	86	181379	7.50	7.84	
$	10 2-Fluorophenol	112	3.260	3.260	0.000	93	486378	15.0	15.6	
	11 N-Nitrosodiethylamine	102	3.493	3.493	0.000	95	120068	7.50	7.73	
	12 Ethyl methanesulfonate	109	3.773	3.773	0.000	96	131986	7.50	7.76	
	14 Benzaldehyde	77	4.105	4.105	0.000	93	256732	7.50	7.77	
$	17 Phenol-d5	99	4.140	4.140	0.000	94	672355	15.0	15.8	
	18 Phenol	94	4.151	4.151	0.000	93	339287	7.50	7.84	
	16 Aniline	93	4.204	4.204	0.000	95	407863	7.50	7.97	
	19 Bis(2-chloroethyl)ether	93	4.262	4.262	0.000	95	273374	7.50	7.86	
	20 2-Chlorophenol	128	4.315	4.315	0.000	92	224315	7.50	7.99	
	21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	93	260301	7.50	7.76	
*	22 1,4-Dichlorobenzene-d4	152	4.519	4.519	0.000	96	113947	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	90	266291	7.50	7.81	
	25 Benzyl alcohol	108	4.641	4.641	0.000	89	157143	7.50	7.58	
	24 1,2-Dichlorobenzene	146	4.682	4.682	0.000	92	250028	7.50	7.81	
	27 2-Methylphenol	108	4.734	4.734	0.000	96	222708	7.50	7.87	
	28 2,2'-oxybis[1-chloropropane]	45	4.775	4.775	0.000	91	298430	7.50	7.32	
	30 N-Nitrosopyrrolidine	100	4.874	4.874	0.000	91	129226	7.50	7.99	
	35 4-Methylphenol	108	4.880	4.880	0.000	96	231997	7.50	7.57	
	32 N-Nitrosodi-n-propylamine	70	4.892	4.892	0.000	72	222497	7.50	7.80	
	31 Acetophenone	105	4.898	4.898	0.000	92	378833	7.50	7.88	
	33 N-Nitrosomorpholine	56	4.915	4.915	0.000	91	156324	7.50	7.41	
	34 2-Toluidine	106	4.927	4.927	0.000	94	409294	7.50	7.91	
	36 Hexachloroethane	117	5.002	5.002	0.000	90	109962	7.50	7.53	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 37 Nitrobenzene-d5	82	5.043	5.043	0.000	87	644048	15.0	15.6	
38 Nitrobenzene	77	5.061	5.061	0.000	85	323648	7.50	7.58	
39 N-Nitrosopiperidine	114	5.206	5.206	0.000	83	120156	7.50	7.81	
40 Isophorone	82	5.288	5.288	0.000	96	545922	7.50	7.83	
41 2-Nitrophenol	139	5.364	5.364	0.000	89	110687	7.50	8.02	
42 2,4-Dimethylphenol	107	5.393	5.393	0.000	98	257198	7.50	7.79	
43 o,o',o''-Triethylphosphorothioat	198	5.469	5.469	0.000	80	141152	7.50	7.84	
44 Bis(2-chloroethoxy)methane	93	5.492	5.492	0.000	98	329486	7.50	7.66	
47 2,4-Dichlorophenol	162	5.585	5.585	0.000	95	195226	7.50	7.84	
48 1,2,4-Trichlorobenzene	180	5.673	5.673	0.000	92	239607	7.50	7.74	
* 49 Naphthalene-d8	136	5.731	5.731	0.000	99	398771	5.00	5.00	
50 Naphthalene	128	5.749	5.749	0.000	98	660202	7.50	7.76	
51 Alpha-Terpineol	59	5.754	5.754	0.000	91	212296	7.50	7.75	
52 4-Chloroaniline	127	5.795	5.795	0.000	93	273987	7.50	8.22	
53 2,6-Dichlorophenol	162	5.807	5.807	0.000	94	199582	7.50	8.05	
54 Hexachloropropene	213	5.836	5.836	0.000	87	192270	7.50	7.72	
55 Hexachlorobutadiene	225	5.865	5.865	0.000	93	166570	7.50	7.82	
56 Quinoline	129	6.063	6.063	0.000	94	404616	7.50	7.77	
57 Caprolactam	113	6.104	6.104	0.000	75	59933	7.50	7.62	
59 N-Nitrosodi-n-butylamine	84	6.122	6.122	0.000	90	239147	7.50	7.45	
58 p-Phenylene diamine	108	6.133	6.133	0.000	92	232554	7.50	7.94	
60 4-Chloro-3-methylphenol	107	6.250	6.250	0.000	92	216462	7.50	7.97	
61 Safrole, Total	162	6.326	6.326	0.000	86	176806	7.50	7.64	
62 2-Methylnaphthalene	142	6.407	6.407	0.000	93	416241	7.50	7.87	
63 1-Methylnaphthalene	142	6.500	6.500	0.000	93	414545	7.50	7.73	
64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	95	212746	7.50	7.64	
65 1,2,4,5-Tetrachlorobenzene	216	6.565	6.565	0.000	96	286032	7.50	7.50	
66 Isosafrole Peak 1	162	6.605	6.605	0.000	85	33163	1.20	1.27	
68 2,4,6-Trichlorophenol	196	6.669	6.669	0.000	93	160217	7.50	7.71	
69 2,4,5-Trichlorophenol	196	6.704	6.704	0.000	92	178900	7.50	7.90	
$ 70 2-Fluorobiphenyl (Surr)	172	6.757	6.757	0.000	100	1109574	15.0	15.1	
71 Isosafrole Peak 2	162	6.815	6.815	0.000	90	189911	6.30	6.31	
77 1,1'-Biphenyl	154	6.856	6.856	0.000	95	579412	7.50	7.58	
78 2-Chloronaphthalene	162	6.873	6.873	0.000	92	421883	7.50	7.10	
79 1-Chloronaphthalene	162	6.891	6.891	0.000	98	462502	7.50	8.00	
80 Phenyl ether	170	6.955	6.955	0.000	87	330551	7.50	7.60	
81 2-Nitroaniline	138	6.967	6.967	0.000	74	120303	7.50	7.97	
82 1,4-Naphthoquinone	158	7.037	7.037	0.000	82	164411	7.50	7.84	
83 1,4-Dinitrobenzene	168	7.101	7.101	0.000	85	67841	7.50	7.77	
84 Dimethyl phthalate	163	7.142	7.142	0.000	97	494990	7.50	7.56	
85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	83	78091	7.50	7.81	
86 2,6-Dinitrotoluene	165	7.194	7.194	0.000	92	114165	7.50	7.95	
87 Acenaphthylene	152	7.264	7.264	0.000	99	639264	7.50	7.81	
88 3-Nitroaniline	138	7.351	7.351	0.000	86	105463	7.50	7.93	
* 89 Acenaphthene-d10	164	7.398	7.398	0.000	94	249681	5.00	5.00	
90 Acenaphthene	153	7.427	7.427	0.000	95	457154	7.50	7.71	
91 2,4-Dinitrophenol	184	7.450	7.450	0.000	84	173645	17.5	17.8	
93 4-Nitrophenol	109	7.497	7.497	0.000	83	167525	15.0	16.5	
92 Pentachlorobenzene	250	7.550	7.550	0.000	98	245064	7.50	7.60	
95 2,4-Dinitrotoluene	165	7.573	7.573	0.000	87	148974	7.50	8.08	
94 Dibenzofuran	168	7.590	7.590	0.000	97	647795	7.50	7.52	
96 1-Naphthylamine	143	7.666	7.666	0.000	98	416179	7.50	8.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 2,3,4,6-Tetrachlorophenol	232	7.701	7.701	0.000	71	167848	7.50	8.03	
98 2-Naphthylamine	143	7.742	7.742	0.000	96	447318	7.50	7.84	
99 Diethyl phthalate	149	7.812	7.812	0.000	97	483488	7.50	7.64	
101 Thionazin	107	7.888	7.888	0.000	78	81224	7.50	7.52	
100 Fluorene	166	7.917	7.917	0.000	93	528410	7.50	7.73	
102 4-Chlorophenyl phenyl ether	204	7.923	7.923	0.000	88	287804	7.50	7.64	
103 N-Nitro-o-toluidine	152	7.923	7.923	0.000	80	134807	7.50	8.09	
104 4-Nitroaniline	138	7.928	7.928	0.000	77	119486	7.50	8.24	
105 4,6-Dinitro-2-methylphenol	198	7.958	7.958	0.000	86	200127	15.0	15.7	
106 N-Nitrosodiphenylamine	169	8.028	8.028	0.000	63	360227	6.38	6.61	
107 1,2-Diphenylhydrazine	77	8.068	8.068	0.000	42	644571	7.50	7.89	
$ 108 2,4,6-Tribromophenol	330	8.144	8.144	0.000	94	187492	15.0	15.6	
109 Sulfotepp	97	8.185	8.185	0.000	79	95916	7.50	7.91	
110 1,3,5-Trinitrobenzene	213	8.266	8.266	0.000	82	54695	7.50	7.29	
111 cis-Diallate	86	8.307	8.307	0.000	0	189142	5.55	5.68	
112 Phorate	75	8.313	8.313	0.000	95	380788	7.50	8.16	
113 Phenacetin	108	8.319	8.319	0.000	94	236576	7.50	8.07	
114 4-Bromophenyl phenyl ether	248	8.383	8.383	0.000	64	188525	7.50	7.90	
115 trans-Diallate	86	8.395	8.395	0.000	0	67330	1.95	2.00	
116 Hexachlorobenzene	284	8.436	8.436	0.000	96	207799	7.50	7.67	
117 Dimethoate	87	8.470	8.470	0.000	97	213248	7.50	7.89	
118 Atrazine	200	8.540	8.540	0.000	94	163997	7.50	7.92	
119 Pentachlorophenol	266	8.616	8.616	0.000	92	248760	15.0	16.4	
121 4-Aminobiphenyl	169	8.628	8.628	0.000	91	595560	7.50	7.96	
120 Pentachloronitrobenzene	237	8.634	8.634	0.000	89	90585	7.50	7.92	
122 Pronamide	173	8.686	8.686	0.000	90	224392	7.50	8.13	
125 Dinoseb	211	8.797	8.797	0.000	95	137221	7.50	7.41	
* 123 Phenanthrene-d10	188	8.809	8.809	0.000	97	496244	5.00	5.00	
126 Disulfoton	88	8.814	8.814	0.000	96	368300	7.50	7.81	
124 Phenanthrene	178	8.826	8.826	0.000	97	806445	7.50	7.64	
127 Anthracene	178	8.878	8.878	0.000	97	805641	7.50	7.86	
128 Carbazole	167	9.030	9.030	0.000	96	701800	7.50	8.04	
129 Methyl parathion	109	9.164	9.164	0.000	93	145614	7.50	7.30	
130 Di-n-butyl phthalate	149	9.374	9.374	0.000	100	761612	7.50	8.13	
132 Ethyl Parathion	109	9.537	9.537	0.000	84	88995	7.50	7.69	
131 4-Nitroquinoline-1-oxide	190	9.560	9.560	0.000	77	51941	7.50	7.14	
S 67 Diallate	86				0		7.50	7.67	
134 Octachlorostyrene	308	9.776	9.776	0.000	91	78238	7.50	7.58	
135 Isodrin	193	9.817	9.817	0.000	93	101682	7.50	7.40	
136 Fluoranthene	202	9.957	9.957	0.000	97	899529	7.50	7.90	
137 Benzidine	184	10.091	10.091	0.000	100	1659158	22.5	24.1	
* 138 Pyrene-d10 (IS)	212	10.155	10.155	0.000	98	525478	5.00	5.00	
139 Pyrene	202	10.178	10.178	0.000	98	965556	7.50	7.57	
$ 142 p-Terphenyl-d14	244	10.336	10.336	0.000	99	1515548	15.0	15.7	
145 p-Dimethylamino azobenzene	225	10.476	10.476	0.000	90	152584	7.50	7.13	
146 Chlorobenzilate	139	10.528	10.528	0.000	96	230300	7.50	7.93	
148 3,3'-Dimethylbenzidine	212	10.831	10.831	0.000	99	505466	7.50	7.53	
150 Butyl benzyl phthalate	149	10.860	10.860	0.000	95	328343	7.50	7.90	
151 2-Acetylaminofluorene	181	11.105	11.105	0.000	93	240797	7.50	7.00	
153 3,3'-Dichlorobenzidine	252	11.449	11.449	0.000	74	336691	7.50	7.84	
154 4,4'-Methylene bis(2-chloroani	231	11.461	11.461	0.000	95	182560	7.50	7.92	
152 Benzo[a]anthracene	228	11.466	11.466	0.000	97	930058	7.50	8.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
155 Chrysene	228	11.513	11.513	0.000	96	925780	7.50	7.78	
156 Bis(2-ethylhexyl) phthalate	149	11.542	11.542	0.000	97	423765	7.50	9.05	
157 6-Methylchrysene	242	12.090	12.090	0.000	98	607905	7.50	7.80	
158 Di-n-octyl phthalate	149	12.422	12.422	0.000	99	576412	7.50	8.69	
159 Benzo[b]fluoranthene	252	12.889	12.889	0.000	95	902134	7.50	8.08	
160 7,12-Dimethylbenz(a)anthracene	256	12.889	12.889	0.000	72	371101	7.50	8.25	
161 Benzo[k]fluoranthene	252	12.929	12.929	0.000	98	906875	7.50	8.02	
162 Benzo[a]pyrene	252	13.355	13.355	0.000	75	692743	7.50	7.84	
* 163 Perylene-d12	264	13.436	13.436	0.000	98	424369	5.00	5.00	
164 3-Methylcholanthrene	268	13.874	13.874	0.000	90	370670	7.50	7.74	
165 Dibenz[a,h]acridine	279	14.672	14.672	0.000	89	547456	7.50	7.97	
166 Dibenz[a,j]acridine	279	14.736	14.736	0.000	96	658017	7.50	8.36	
167 Indeno[1,2,3-cd]pyrene	276	14.975	14.975	0.000	97	622552	7.50	7.99	
168 Dibenz(a,h)anthracene	278	15.016	15.016	0.000	91	731044	7.50	7.96	
169 Benzo[g,h,i]perylene	276	15.360	15.360	0.000	97	756415	7.50	7.91	
S 170 Aramite, Total	185		44.000				7.50	ND	
S 173 Dinitrotoluene	165				0			16.0	
S 177 Isosafrole	162				0		7.50	7.58	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_5_00034 Amount Added: 1.00 Units: mL

Report Date: 08-Nov-2022 11:34:53 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0706.D

Injection Date: 07-Nov-2022 20:44:30 Instrument ID: HP19760 Operator ID: kel10217

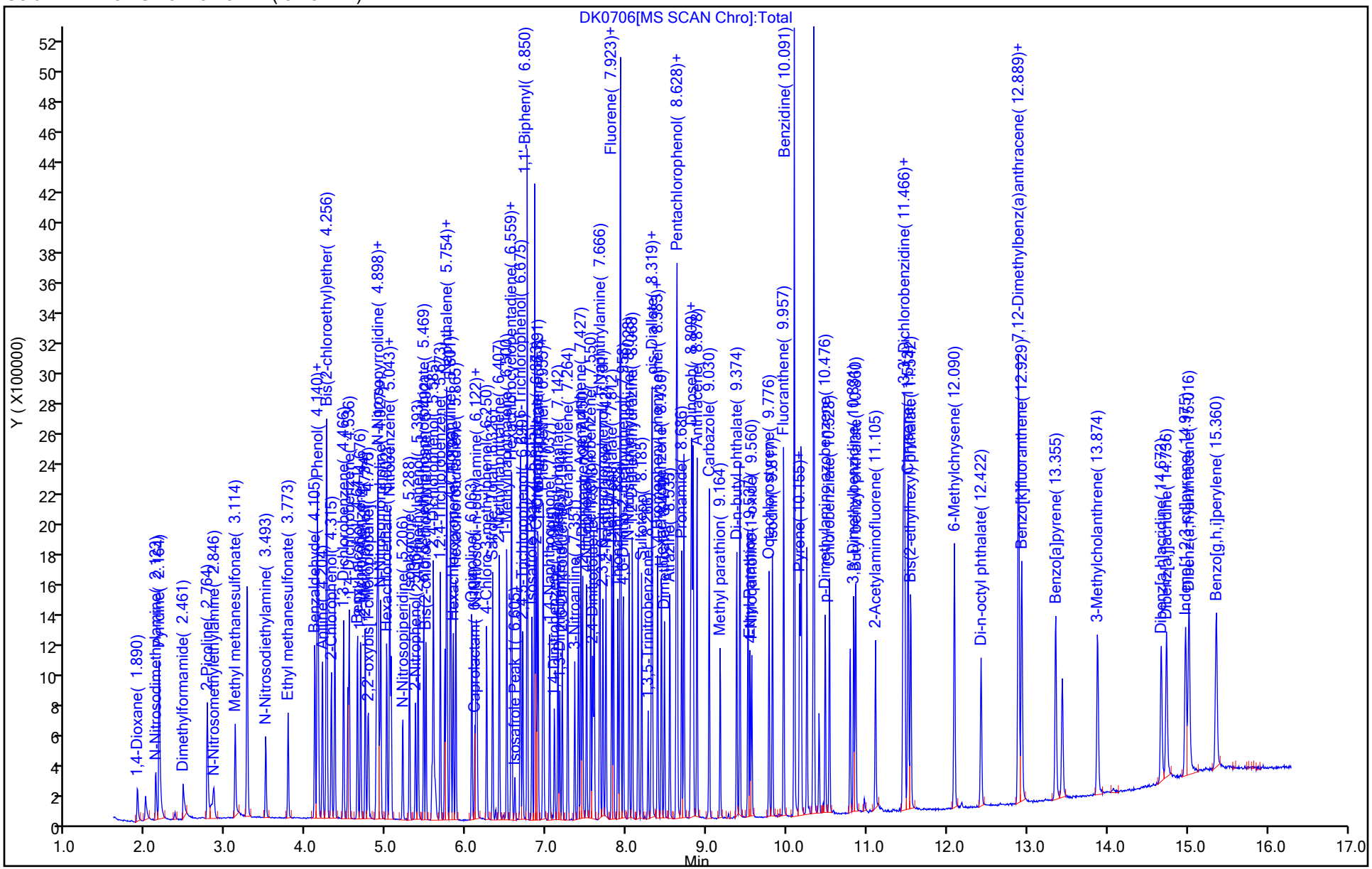
Lims ID: IC L5 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0707.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Nov-2022 21:04:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0070576-008
Operator ID: kel10217 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub24

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 11:35:01 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: SJ89 Date: 07-Nov-2022 21:47:22

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.896	1.896	0.000	95	52979	3.75	3.52	
	3 N-Nitrosodimethylamine	74	2.123	2.123	0.000	93	84839	3.75	3.23	
	4 Pyridine	79	2.170	2.164	0.006	96	266973	7.50	6.64	
	5 Dimethylformamide	73	2.479	2.461	0.018	94	79312	3.75	3.13	
	6 2-Picoline	93	2.764	2.764	0.000	90	135562	3.75	3.40	
	7 N-Nitrosomethylethylamine	88	2.846	2.846	0.000	96	59736	3.75	3.36	
	8 Methyl methanesulfonate	80	3.114	3.114	0.000	86	83107	3.75	3.52	
$	10 2-Fluorophenol	112	3.260	3.260	0.000	93	215227	7.50	6.76	
	11 N-Nitrosodiethylamine	102	3.493	3.493	0.000	97	53663	3.75	3.39	
	12 Ethyl methanesulfonate	109	3.773	3.773	0.000	98	61024	3.75	3.52	
	14 Benzaldehyde	77	4.105	4.105	0.000	95	125752	3.75	3.73	
$	17 Phenol-d5	99	4.140	4.140	0.000	94	291811	7.50	6.72	
	18 Phenol	94	4.151	4.151	0.000	93	153484	3.75	3.48	
	16 Aniline	93	4.198	4.204	-0.006	95	183583	3.75	3.51	
	19 Bis(2-chloroethyl)ether	93	4.256	4.262	-0.006	95	123451	3.75	3.48	
	20 2-Chlorophenol	128	4.315	4.315	0.000	91	100194	3.75	3.50	
	21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	93	115485	3.75	3.37	
*	22 1,4-Dichlorobenzene-d4	152	4.519	4.519	0.000	97	116298	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	90	119862	3.75	3.45	
	25 Benzyl alcohol	108	4.641	4.641	0.000	88	70861	3.75	3.35	
	24 1,2-Dichlorobenzene	146	4.676	4.682	-0.006	93	112499	3.75	3.44	
	27 2-Methylphenol	108	4.734	4.734	0.000	96	96789	3.75	3.35	
	28 2,2'-oxybis[1-chloropropane]	45	4.775	4.775	0.000	91	131114	3.75	3.15	
	30 N-Nitrosopyrrolidine	100	4.874	4.874	0.000	88	57170	3.75	3.47	
	35 4-Methylphenol	108	4.880	4.880	0.000	95	100946	3.75	3.23	
	32 N-Nitrosodi-n-propylamine	70	4.892	4.892	0.000	76	98234	3.75	3.37	
	31 Acetophenone	105	4.897	4.898	-0.001	96	166998	3.75	3.40	
	33 N-Nitrosomorpholine	56	4.909	4.915	-0.006	92	70208	3.75	3.26	
	34 2-Toluidine	106	4.927	4.927	0.000	95	179758	3.75	3.40	
	36 Hexachloroethane	117	5.002	5.002	0.000	90	51304	3.75	3.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 37 Nitrobenzene-d5	82	5.043	5.043	0.000	87	287832	7.50	6.48	
38 Nitrobenzene	77	5.061	5.061	0.000	85	142898	3.75	3.11	
39 N-Nitrosopiperidine	114	5.201	5.206	-0.005	84	52610	3.75	3.17	
40 Isophorone	82	5.288	5.288	0.000	96	243279	3.75	3.24	
41 2-Nitrophenol	139	5.364	5.364	0.000	85	45064	3.75	3.03	
42 2,4-Dimethylphenol	107	5.393	5.393	0.000	98	118039	3.75	3.32	
43 o,o',o''-Triethylphosphorothioat	198	5.469	5.469	0.000	80	62743	3.75	3.23	
44 Bis(2-chloroethoxy)methane	93	5.492	5.492	0.000	99	147684	3.75	3.19	
47 2,4-Dichlorophenol	162	5.585	5.585	0.000	96	83685	3.75	3.12	
48 1,2,4-Trichlorobenzene	180	5.673	5.673	0.000	92	109373	3.75	3.28	
* 49 Naphthalene-d8	136	5.731	5.731	0.000	99	429637	5.00	5.00	
50 Naphthalene	128	5.748	5.749	-0.001	98	297002	3.75	3.24	
51 Alpha-Terpineol	59	5.754	5.754	0.000	91	92905	3.75	3.15	
52 4-Chloroaniline	127	5.795	5.795	0.000	93	119961	3.75	3.34	
53 2,6-Dichlorophenol	162	5.807	5.807	0.000	91	85958	3.75	3.22	
54 Hexachloropropene	213	5.836	5.836	0.000	86	83833	3.75	3.13	
55 Hexachlorobutadiene	225	5.865	5.865	0.000	94	72829	3.75	3.17	
56 Quinoline	129	6.063	6.063	0.000	94	179823	3.75	3.20	
57 Caprolactam	113	6.104	6.104	0.000	79	28577	3.75	3.37	
59 N-Nitrosodi-n-butylamine	84	6.122	6.122	0.000	89	107909	3.75	3.12	
58 p-Phenylene diamine	108	6.133	6.133	0.000	94	100341	3.75	3.18	
60 4-Chloro-3-methylphenol	107	6.250	6.250	0.000	93	90742	3.75	3.10	
61 Safrole, Total	162	6.326	6.326	0.000	88	80966	3.75	3.25	
62 2-Methylnaphthalene	142	6.407	6.407	0.000	92	178247	3.75	3.13	
63 1-Methylnaphthalene	142	6.500	6.500	0.000	94	190848	3.75	3.30	
64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	93	94389	3.75	3.46	
65 1,2,4,5-Tetrachlorobenzene	216	6.564	6.565	-0.001	96	127240	3.75	3.41	
66 Isosafrole Peak 1	162	6.605	6.605	0.000	87	14906	0.6000	0.5848	
68 2,4,6-Trichlorophenol	196	6.669	6.669	0.000	93	69413	3.75	3.41	
69 2,4,5-Trichlorophenol	196	6.699	6.704	-0.005	93	77343	3.75	3.49	
$ 70 2-Fluorobiphenyl (Surr)	172	6.757	6.757	0.000	100	500424	7.50	6.97	
71 Isosafrole Peak 2	162	6.815	6.815	0.000	90	84644	3.15	2.87	
77 1,1'-Biphenyl	154	6.850	6.856	-0.006	96	258957	3.75	3.46	
78 2-Chloronaphthalene	162	6.868	6.873	-0.005	94	197274	3.75	3.39	
79 1-Chloronaphthalene	162	6.891	6.891	0.000	98	200600	3.75	3.54	
80 Phenyl ether	170	6.955	6.955	0.000	87	146455	3.75	3.44	
81 2-Nitroaniline	138	6.961	6.967	-0.006	74	48249	3.75	3.26	
82 1,4-Naphthoquinone	158	7.037	7.037	0.000	80	69401	3.75	3.38	
83 1,4-Dinitrobenzene	168	7.095	7.101	-0.006	84	28045	3.75	3.28	
84 Dimethyl phthalate	163	7.142	7.142	0.000	97	226037	3.75	3.52	
85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	84	33027	3.75	3.37	
86 2,6-Dinitrotoluene	165	7.194	7.194	0.000	90	49280	3.75	3.50	
87 Acenaphthylene	152	7.264	7.264	0.000	99	282806	3.75	3.53	
88 3-Nitroaniline	138	7.351	7.351	0.000	85	43813	3.75	3.36	
* 89 Acenaphthene-d10	164	7.398	7.398	0.000	94	244552	5.00	5.00	
90 Acenaphthene	153	7.427	7.427	0.000	96	202919	3.75	3.49	
91 2,4-Dinitrophenol	184	7.450	7.450	0.000	85	94681	11.3	9.91	
93 4-Nitrophenol	109	7.497	7.497	0.000	84	68850	7.50	6.91	
92 Pentachlorobenzene	250	7.550	7.550	0.000	97	112551	3.75	3.56	
95 2,4-Dinitrotoluene	165	7.573	7.573	0.000	88	62617	3.75	3.47	
94 Dibenzofuran	168	7.590	7.590	0.000	96	288932	3.75	3.42	
96 1-Naphthylamine	143	7.666	7.666	0.000	98	182339	3.75	3.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 2,3,4,6-Tetrachlorophenol	232	7.701	7.701	0.000	71	72958	3.75	3.56	
98 2-Naphthylamine	143	7.736	7.742	-0.006	96	189789	3.75	3.40	
99 Diethyl phthalate	149	7.812	7.812	0.000	97	214138	3.75	3.45	
101 Thionazin	107	7.888	7.888	0.000	79	34443	3.75	3.26	
100 Fluorene	166	7.917	7.917	0.000	94	235714	3.75	3.52	
102 4-Chlorophenyl phenyl ether	204	7.923	7.923	0.000	87	133192	3.75	3.61	
103 N-Nitro-o-toluidine	152	7.923	7.923	0.000	73	56645	3.75	3.47	
104 4-Nitroaniline	138	7.923	7.928	-0.005	75	49733	3.75	3.50	
105 4,6-Dinitro-2-methylphenol	198	7.958	7.958	0.000	86	81689	7.50	6.28	
106 N-Nitrosodiphenylamine	169	8.027	8.028	-0.001	63	163019	3.19	2.93	
107 1,2-Diphenylhydrazine	77	8.068	8.068	0.000	42	283004	3.75	3.40	
$ 108 2,4,6-Tribromophenol	330	8.144	8.144	0.000	94	81712	7.50	6.96	
109 Sulfotepp	97	8.185	8.185	0.000	78	39806	3.75	3.22	
110 1,3,5-Trinitrobenzene	213	8.266	8.266	0.000	82	22154	3.75	3.25	
111 cis-Diallate	86	8.307	8.307	0.000	0	81471	2.78	2.40	
112 Phorate	75	8.313	8.313	0.000	93	159372	3.75	3.35	
113 Phenacetin	108	8.313	8.319	-0.006	71	98769	3.75	3.30	
114 4-Bromophenyl phenyl ether	248	8.383	8.383	0.000	64	83679	3.75	3.44	
115 trans-Diallate	86	8.389	8.395	-0.006	0	29912	0.9750	0.8700	
116 Hexachlorobenzene	284	8.430	8.436	-0.006	94	90900	3.75	3.29	
117 Dimethoate	87	8.470	8.470	0.000	97	88326	3.75	3.20	
118 Atrazine	200	8.535	8.540	-0.005	93	76085	3.75	3.60	
119 Pentachlorophenol	266	8.616	8.616	0.000	93	105132	7.50	6.78	
121 4-Aminobiphenyl	169	8.628	8.628	0.000	91	255301	3.75	3.35	
120 Pentachloronitrobenzene	237	8.628	8.634	-0.006	49	40194	3.75	3.45	
122 Pronamide	173	8.686	8.686	0.000	90	95633	3.75	3.40	
125 Dinoseb	211	8.797	8.797	0.000	95	53285	3.75	3.18	
* 123 Phenanthrene-d10	188	8.803	8.809	-0.006	97	506053	5.00	5.00	
126 Disulfoton	88	8.814	8.814	0.000	94	161106	3.75	3.35	
124 Phenanthrene	178	8.826	8.826	0.000	97	361400	3.75	3.36	
127 Anthracene	178	8.878	8.878	0.000	98	346907	3.75	3.32	
128 Carbazole	167	9.030	9.030	0.000	96	303248	3.75	3.40	
129 Methyl parathion	109	9.164	9.164	0.000	92	58083	3.75	3.22	
130 Di-n-butyl phthalate	149	9.374	9.374	0.000	100	321530	3.75	3.37	
132 Ethyl Parathion	109	9.537	9.537	0.000	83	34532	3.75	2.93	
131 4-Nitroquinoline-1-oxide	190	9.560	9.560	0.000	72	19610	3.75	3.85	
S 67 Diallate	86				0		3.75	3.27	
134 Octachlorostyrene	308	9.776	9.776	0.000	89	35623	3.75	3.38	
135 Isodrin	193	9.817	9.817	0.000	91	44870	3.75	3.20	
136 Fluoranthene	202	9.957	9.957	0.000	97	392625	3.75	3.38	
137 Benzidine	184	10.091	10.091	0.000	99	672613	11.3	9.73	
* 138 Pyrene-d10 (IS)	212	10.155	10.155	0.000	98	527682	5.00	5.00	
139 Pyrene	202	10.172	10.178	-0.006	98	433084	3.75	3.38	
$ 142 p-Terphenyl-d14	244	10.336	10.336	0.000	99	665243	7.50	6.88	
145 p-Dimethylamino azobenzene	225	10.481	10.476	0.005	92	57361	3.75	3.16	
146 Chlorobenzilate	139	10.528	10.528	0.000	96	92267	3.75	3.17	
148 3,3'-Dimethylbenzidine	212	10.831	10.831	0.000	99	209034	3.75	3.10	
150 Butyl benzyl phthalate	149	10.860	10.860	0.000	96	133120	3.75	3.19	
151 2-Acetylaminofluorene	181	11.105	11.105	0.000	93	90578	3.75	2.62	
153 3,3'-Dichlorobenzidine	252	11.449	11.449	0.000	72	135876	3.75	3.15	
154 4,4'-Methylene bis(2-chloroani	231	11.455	11.461	-0.006	95	73135	3.75	3.16	
152 Benzo[a]anthracene	228	11.466	11.466	0.000	97	397601	3.75	3.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
155 Chrysene	228	11.513	11.513	0.000	96	407618	3.75	3.41	
156 Bis(2-ethylhexyl) phthalate	149	11.542	11.542	0.000	97	161714	3.75	3.44	M
157 6-Methylchrysene	242	12.090	12.090	0.000	98	259222	3.75	3.31	
158 Di-n-octyl phthalate	149	12.422	12.422	0.000	100	203919	3.75	3.09	
159 Benzo[b]fluoranthene	252	12.889	12.889	0.000	95	371239	3.75	3.34	
160 7,12-Dimethylbenz(a)anthracene	256	12.889	12.889	0.000	76	146500	3.75	3.27	
161 Benzo[k]fluoranthene	252	12.929	12.929	0.000	97	410331	3.75	3.65	
162 Benzo[a]pyrene	252	13.355	13.355	0.000	75	299191	3.75	3.40	
* 163 Perylene-d12	264	13.436	13.436	0.000	99	422190	5.00	5.00	
164 3-Methylcholanthrene	268	13.874	13.874	0.000	90	145020	3.75	3.04	
165 Dibenz[a,h]acridine	279	14.672	14.672	0.000	90	213613	3.75	3.12	
166 Dibenz[a,j]acridine	279	14.736	14.736	0.000	96	264861	3.75	3.38	
167 Indeno[1,2,3-cd]pyrene	276	14.975	14.975	0.000	97	264140	3.75	3.41	
168 Dibenz(a,h)anthracene	278	15.016	15.016	0.000	91	309123	3.75	3.38	
169 Benzo[g,h,i]perylene	276	15.354	15.360	-0.006	97	319970	3.75	3.36	
S 170 Aramite, Total	185		44.000				3.75	ND	
S 173 Dinitrotoluene	165				0			6.97	
S 177 Isosafrole	162				0		3.75	3.46	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_4_00024 Amount Added: 1.00 Units: mL

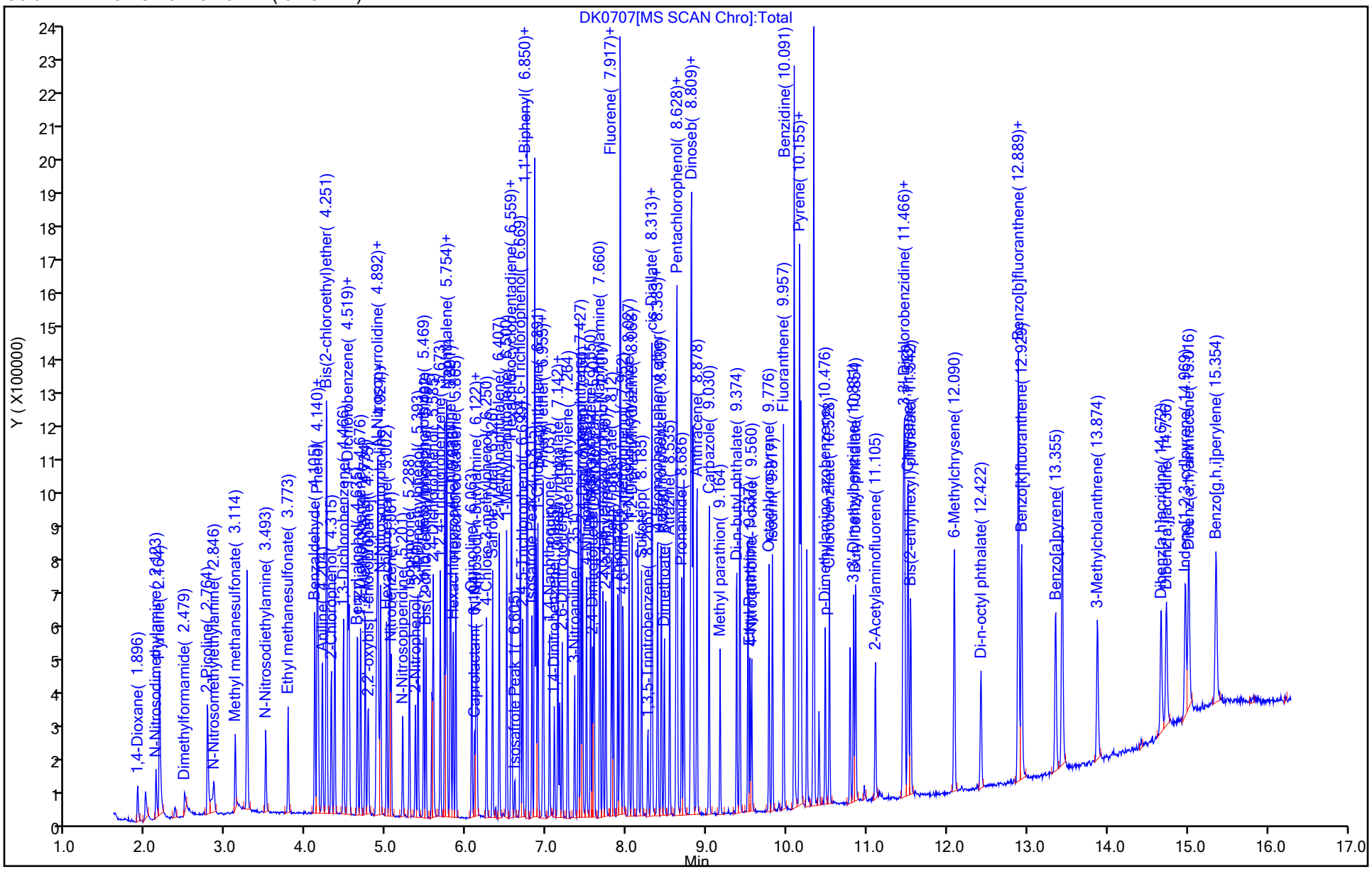
Report Date: 08-Nov-2022 11:35:02 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0707.D

Injection Date:	07-Nov-2022 21:04:30	Instrument ID:	HP19760	Operator ID:	kel10217
Lims ID:	IC L4			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

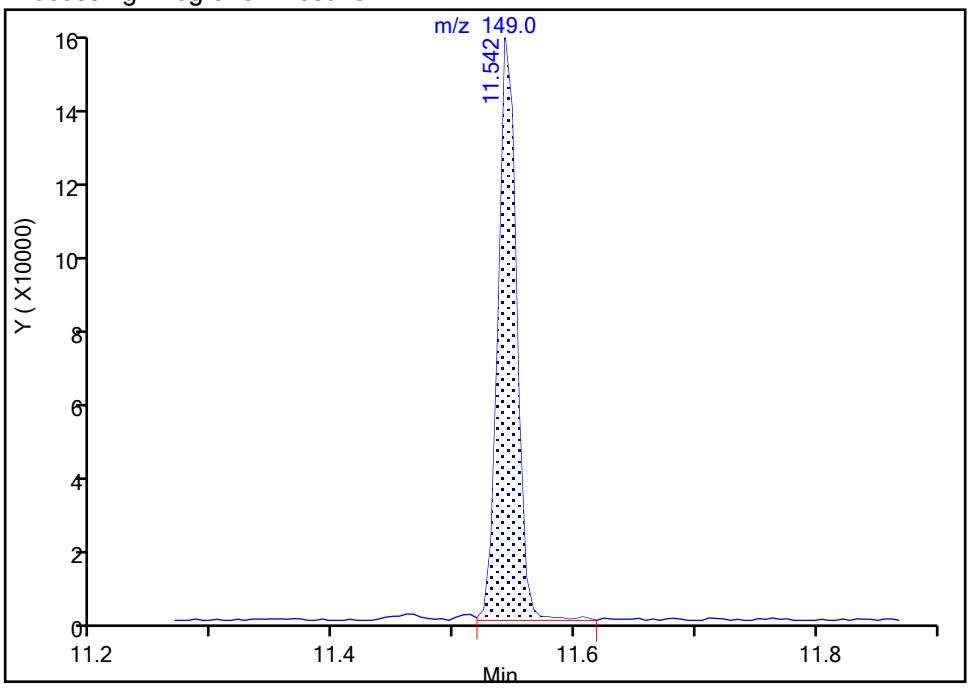
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0707.D				
Injection Date:	07-Nov-2022 21:04:30	Instrument ID:	HP19760		
Lims ID:	IC L4				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

156 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

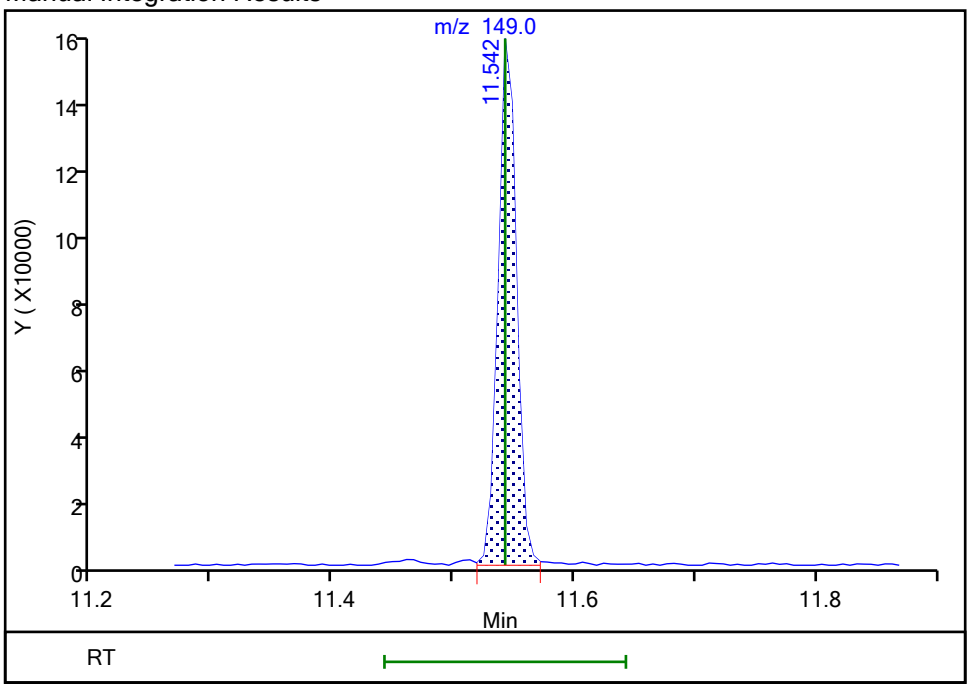
Processing Integration Results

RT: 11.54
Area: 163418
Amount: 3.065799
Amount Units: ug/ml



Manual Integration Results

RT: 11.54
Area: 161714
Amount: 3.439179
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 22:50:53
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\HP19760\20221107-70576.b\DK0708.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Nov-2022 21:25:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0070576-009
Operator ID: kel10217 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub24

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 11:35:12 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: SJ89 Date: 07-Nov-2022 22:50:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.896	1.896	0.000	93	19208	1.25	1.22	
3 N-Nitrosodimethylamine	74	2.129	2.123	0.006	91	32764	1.25	1.20	
4 Pyridine	79	2.170	2.164	0.006	95	96640	2.50	2.31	
5 Dimethylformamide	73	2.513	2.461	0.052	87	34919	1.25	1.32	M
6 2-Picoline	93	2.770	2.764	0.006	88	50850	1.25	1.22	
7 N-Nitrosomethylethylamine	88	2.846	2.846	0.000	93	25993	1.25	1.40	
8 Methyl methanesulfonate	80	3.114	3.114	0.000	86	29536	1.25	1.20	
$ 10 2-Fluorophenol	112	3.260	3.260	0.000	92	79137	2.50	2.38	
11 N-Nitrosodiethylamine	102	3.493	3.493	0.000	96	18613	1.25	1.13	
12 Ethyl methanesulfonate	109	3.772	3.773	-0.001	97	20664	1.25	1.14	
14 Benzaldehyde	77	4.105	4.105	0.000	95	44786	1.25	1.27	
$ 17 Phenol-d5	99	4.134	4.140	-0.006	94	103400	2.50	2.28	
18 Phenol	94	4.151	4.151	0.000	92	53123	1.25	1.15	
16 Aniline	93	4.198	4.204	-0.006	94	65172	1.25	1.20	
19 Bis(2-chloroethyl)ether	93	4.256	4.262	-0.006	93	44945	1.25	1.21	
20 2-Chlorophenol	128	4.315	4.315	-0.001	92	33583	1.25	1.12	
21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	94	44708	1.25	1.25	
* 22 1,4-Dichlorobenzene-d4	152	4.519	4.519	-0.001	96	121215	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	92	43783	1.25	1.21	
25 Benzyl alcohol	108	4.635	4.641	-0.006	88	25438	1.25	1.15	
24 1,2-Dichlorobenzene	146	4.676	4.682	-0.006	89	41267	1.25	1.21	
27 2-Methylphenol	108	4.734	4.734	0.000	93	33778	1.25	1.12	
28 2,2'-oxybis[1-chloropropane]	45	4.769	4.775	-0.006	91	49900	1.25	1.15	
30 N-Nitrosopyrrolidine	100	4.874	4.874	0.000	93	20643	1.25	1.20	
35 4-Methylphenol	108	4.880	4.880	0.000	95	35921	1.25	1.10	
32 N-Nitrosodi-n-propylamine	70	4.892	4.892	0.000	74	36004	1.25	1.19	
31 Acetophenone	105	4.897	4.898	-0.001	96	60970	1.25	1.19	
33 N-Nitrosomorpholine	56	4.909	4.915	-0.006	83	22353	1.25	1.00	
34 2-Toluidine	106	4.927	4.927	0.000	95	62683	1.25	1.14	
36 Hexachloroethane	117	5.002	5.002	0.000	88	17662	1.25	1.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 37 Nitrobenzene-d5	82	5.037	5.043	-0.006	87	105981	2.50	2.39	
38 Nitrobenzene	77	5.061	5.061	0.000	86	48824	1.25	1.06	
39 N-Nitrosopiperidine	114	5.206	5.206	0.000	84	19202	1.25	1.16	
40 Isophorone	82	5.288	5.288	0.000	96	87697	1.25	1.17	
41 2-Nitrophenol	139	5.364	5.364	0.000	86	15218	1.25	1.03	
42 2,4-Dimethylphenol	107	5.393	5.393	0.000	96	39555	1.25	1.11	
43 o,o',o''-Triethylphosphorothioat	198	5.463	5.469	-0.006	82	23232	1.25	1.20	
44 Bis(2-chloroethoxy)methane	93	5.492	5.492	0.000	96	50096	1.25	1.08	
47 2,4-Dichlorophenol	162	5.585	5.585	0.000	95	29396	1.25	1.10	
48 1,2,4-Trichlorobenzene	180	5.673	5.673	0.000	91	40075	1.25	1.20	
* 49 Naphthalene-d8	136	5.731	5.731	0.000	100	428633	5.00	5.00	
50 Naphthalene	128	5.748	5.749	-0.001	97	111084	1.25	1.22	
51 Alpha-Terpineol	59	5.754	5.754	0.000	89	33891	1.25	1.15	
52 4-Chloroaniline	127	5.795	5.795	0.000	91	41769	1.25	1.17	
53 2,6-Dichlorophenol	162	5.801	5.807	-0.006	87	28320	1.25	1.06	
54 Hexachloropropene	213	5.836	5.836	0.000	87	29705	1.25	1.11	
55 Hexachlorobutadiene	225	5.865	5.865	0.000	93	27571	1.25	1.20	
56 Quinoline	129	6.063	6.063	0.000	93	62723	1.25	1.12	
57 Caprolactam	113	6.098	6.104	-0.006	78	7941	1.25	0.9395	
59 N-Nitrosodi-n-butylamine	84	6.116	6.122	-0.006	90	33463	1.25	0.9698	
58 p-Phenylene diamine	108	6.127	6.133	-0.006	93	34354	1.25	1.09	
60 4-Chloro-3-methylphenol	107	6.250	6.250	0.000	92	32627	1.25	1.12	
61 Safrole, Total	162	6.325	6.326	-0.001	87	28673	1.25	1.15	
62 2-Methylnaphthalene	142	6.407	6.407	0.000	92	67497	1.25	1.19	
63 1-Methylnaphthalene	142	6.500	6.500	0.000	91	67751	1.25	1.18	
64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	92	35171	1.25	1.24	
65 1,2,4,5-Tetrachlorobenzene	216	6.564	6.565	-0.001	96	46999	1.25	1.21	
66 Isosafrole Peak 1	162	6.605	6.605	0.000	83	5029	0.2000	0.1893	
68 2,4,6-Trichlorophenol	196	6.669	6.669	0.000	91	24732	1.25	1.17	
69 2,4,5-Trichlorophenol	196	6.698	6.704	-0.006	91	25064	1.25	1.08	
$ 70 2-Fluorobiphenyl (Surr)	172	6.757	6.757	0.000	100	185466	2.50	2.48	
71 Isosafrole Peak 2	162	6.815	6.815	0.000	89	28939	1.05	0.9414	
77 1,1'-Biphenyl	154	6.850	6.856	-0.006	96	94595	1.25	1.21	
78 2-Chloronaphthalene	162	6.867	6.873	-0.006	95	71007	1.25	1.17	
79 1-Chloronaphthalene	162	6.891	6.891	0.000	98	71685	1.25	1.21	
80 Phenyl ether	170	6.955	6.955	0.000	87	54845	1.25	1.24	
81 2-Nitroaniline	138	6.961	6.967	-0.006	72	16966	1.25	1.10	
82 1,4-Naphthoquinone	158	7.036	7.037	-0.001	82	24721	1.25	1.16	
83 1,4-Dinitrobenzene	168	7.095	7.101	-0.006	83	8760	1.25	0.9828	
84 Dimethyl phthalate	163	7.141	7.142	-0.001	96	76610	1.25	1.15	
85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	82	10151	1.25	0.99	
86 2,6-Dinitrotoluene	165	7.194	7.194	0.000	89	16186	1.25	1.10	
87 Acenaphthylene	152	7.264	7.264	0.000	99	98480	1.25	1.18	
88 3-Nitroaniline	138	7.351	7.351	0.000	87	15622	1.25	1.15	
* 89 Acenaphthene-d10	164	7.398	7.398	0.000	94	254916	5.00	5.00	
90 Acenaphthene	153	7.427	7.427	0.000	95	74087	1.25	1.22	
91 2,4-Dinitrophenol	184	7.450	7.450	0.000	80	37675	5.00	3.78	
93 4-Nitrophenol	109	7.497	7.497	0.000	82	35046	3.75	3.38	
92 Pentachlorobenzene	250	7.549	7.550	-0.001	98	41470	1.25	1.26	
95 2,4-Dinitrotoluene	165	7.573	7.573	0.000	88	19840	1.25	1.05	
94 Dibenzofuran	168	7.590	7.590	0.000	98	108069	1.25	1.23	
96 1-Naphthylamine	143	7.666	7.666	0.000	97	58804	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
97 2,3,4,6-Tetrachlorophenol	232	7.701	7.701	0.000	71	25871	1.25	1.21	
98 2-Naphthylamine	143	7.736	7.742	-0.006	95	67033	1.25	1.15	
99 Diethyl phthalate	149	7.812	7.812	0.000	98	77408	1.25	1.20	
101 Thionazin	107	7.887	7.888	-0.001	77	11878	1.25	1.08	
100 Fluorene	166	7.917	7.917	0.000	91	81649	1.25	1.17	
102 4-Chlorophenyl phenyl ether	204	7.917	7.923	-0.006	83	48554	1.25	1.26	
103 N-Nitro-o-toluidine	152	7.922	7.923	-0.001	72	18026	1.25	1.06	
104 4-Nitroaniline	138	7.922	7.928	-0.006	75	16644	1.25	1.12	
105 4,6-Dinitro-2-methylphenol	198	7.957	7.958	-0.001	85	41521	3.75	3.09	
106 N-Nitrosodiphenylamine	169	8.027	8.028	-0.001	64	55355	1.06	0.9627	
107 1,2-Diphenylhydrazine	77	8.068	8.068	0.000	41	95470	1.25	1.11	
$ 108 2,4,6-Tribromophenol	330	8.138	8.144	-0.006	93	28026	2.50	2.29	
109 Sulfotepp	97	8.185	8.185	0.000	77	14477	1.25	1.13	
110 1,3,5-Trinitrobenzene	213	8.266	8.266	0.000	81	6206	1.25	1.30	
111 cis-Diallate	86	8.307	8.307	0.000	0	27883	0.9250	0.7935	
112 Phorate	75	8.313	8.313	0.000	93	52185	1.25	1.06	
113 Phenacetin	108	8.313	8.319	-0.006	71	31003	1.25	1.00	
114 4-Bromophenyl phenyl ether	248	8.383	8.383	0.000	64	29806	1.25	1.18	
115 trans-Diallate	86	8.389	8.395	-0.006	0	13042	0.3250	0.3668	
116 Hexachlorobenzene	284	8.430	8.436	-0.006	95	35424	1.25	1.24	
117 Dimethoate	87	8.465	8.470	-0.006	96	29180	1.25	1.02	
118 Atrazine	200	8.534	8.540	-0.006	93	24487	1.25	1.12	
119 Pentachlorophenol	266	8.616	8.616	0.000	93	33789	2.50	2.11	
121 4-Aminobiphenyl	169	8.628	8.628	0.000	91	83819	1.25	1.06	
120 Pentachloronitrobenzene	237	8.628	8.634	-0.006	87	13550	1.25	1.12	
122 Pronamide	173	8.680	8.686	-0.006	91	30238	1.25	1.04	
125 Dinoseb	211	8.797	8.797	0.000	95	15364	1.25	1.31	
* 123 Phenanthrene-d10	188	8.803	8.809	-0.006	97	523389	5.00	5.00	
126 Disulfoton	88	8.814	8.814	0.000	95	56595	1.25	1.14	
124 Phenanthrene	178	8.826	8.826	0.000	96	135193	1.25	1.21	
127 Anthracene	178	8.878	8.878	0.000	97	127558	1.25	1.18	
128 Carbazole	167	9.030	9.030	0.000	96	103602	1.25	1.12	
129 Methyl parathion	109	9.164	9.164	0.000	91	16390	1.25	1.31	
130 Di-n-butyl phthalate	149	9.368	9.374	-0.006	100	109198	1.25	1.11	
132 Ethyl Parathion	109	9.537	9.537	0.000	82	11577	1.25	0.9485	
131 4-Nitroquinoline-1-oxide	190	9.560	9.560	0.000	73	6127	1.25	2.50	
S 67 Diallate	86				0		1.25	1.16	
134 Octachlorostyrene	308	9.776	9.776	0.000	91	12367	1.25	1.14	
135 Isodrin	193	9.817	9.817	0.000	91	18219	1.25	1.26	
136 Fluoranthene	202	9.957	9.957	0.000	97	139664	1.25	1.16	
137 Benzidine	184	10.091	10.091	0.000	99	210358	3.75	2.93	
* 138 Pyrene-d10 (IS)	212	10.155	10.155	0.000	97	547831	5.00	5.00	
139 Pyrene	202	10.172	10.178	-0.006	98	159295	1.25	1.20	
$ 142 p-Terphenyl-d14	244	10.335	10.336	-0.001	99	241630	2.50	2.41	
145 p-Dimethylamino azobenzene	225	10.475	10.476	-0.001	90	17241	1.25	1.47	
146 Chlorobenzilate	139	10.528	10.528	0.000	96	28174	1.25	0.9309	
148 3,3'-Dimethylbenzidine	212	10.831	10.831	0.000	99	61936	1.25	0.8855	
150 Butyl benzyl phthalate	149	10.854	10.860	-0.006	94	41434	1.25	0.9558	
151 2-Acetylaminofluorene	181	11.099	11.105	-0.006	92	26205	1.25	0.7306	
153 3,3'-Dichlorobenzidine	252	11.443	11.449	-0.006	72	42381	1.25	0.9471	
154 4,4'-Methylene bis(2-chloroani	231	11.455	11.461	-0.006	96	23664	1.25	0.9844	
152 Benzo[a]anthracene	228	11.466	11.466	0.000	97	134940	1.25	1.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
155 Chrysene	228	11.507	11.513	-0.006	95	145879	1.25	1.18	
156 Bis(2-ethylhexyl) phthalate	149	11.542	11.542	0.000	97	47928	1.25	0.9818	M
157 6-Methylchrysene	242	12.090	12.090	0.000	98	84586	1.25	1.04	
158 Di-n-octyl phthalate	149	12.422	12.422	0.000	99	65044	1.25	0.9773	
159 Benzo[b]fluoranthene	252	12.888	12.889	-0.001	95	123464	1.25	1.10	
160 7,12-Dimethylbenz(a)anthracene	256	12.888	12.889	-0.001	77	47468	1.25	1.05	
161 Benzo[k]fluoranthene	252	12.923	12.929	-0.006	97	136175	1.25	1.20	
162 Benzo[a]pyrene	252	13.349	13.355	-0.006	75	93830	1.25	1.06	
* 163 Perylene-d12	264	13.436	13.436	0.000	99	425596	5.00	5.00	
164 3-Methylcholanthrene	268	13.873	13.874	-0.001	90	46225	1.25	0.9621	
165 Dibenz[a,h]acridine	279	14.666	14.672	-0.006	89	67398	1.25	0.9779	
166 Dibenz[a,j]acridine	279	14.730	14.736	-0.006	96	84202	1.25	1.07	
167 Indeno[1,2,3-cd]pyrene	276	14.969	14.975	-0.006	97	83941	1.25	1.07	
168 Dibenz(a,h)anthracene	278	15.016	15.016	0.000	90	101822	1.25	1.11	
169 Benzo[g,h,i]perylene	276	15.354	15.360	-0.006	96	111359	1.25	1.16	
S 170 Aramite, Total	185		44.000				1.25	ND	
S 173 Dinitrotoluene	165				0			2.16	
S 177 Isosafrole	162				0		1.25	1.13	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_3_00024 Amount Added: 1.00 Units: mL

Report Date: 08-Nov-2022 11:35:14 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0708.D

Injection Date: 07-Nov-2022 21:25:30 Instrument ID: HP19760 Operator ID: kel10217

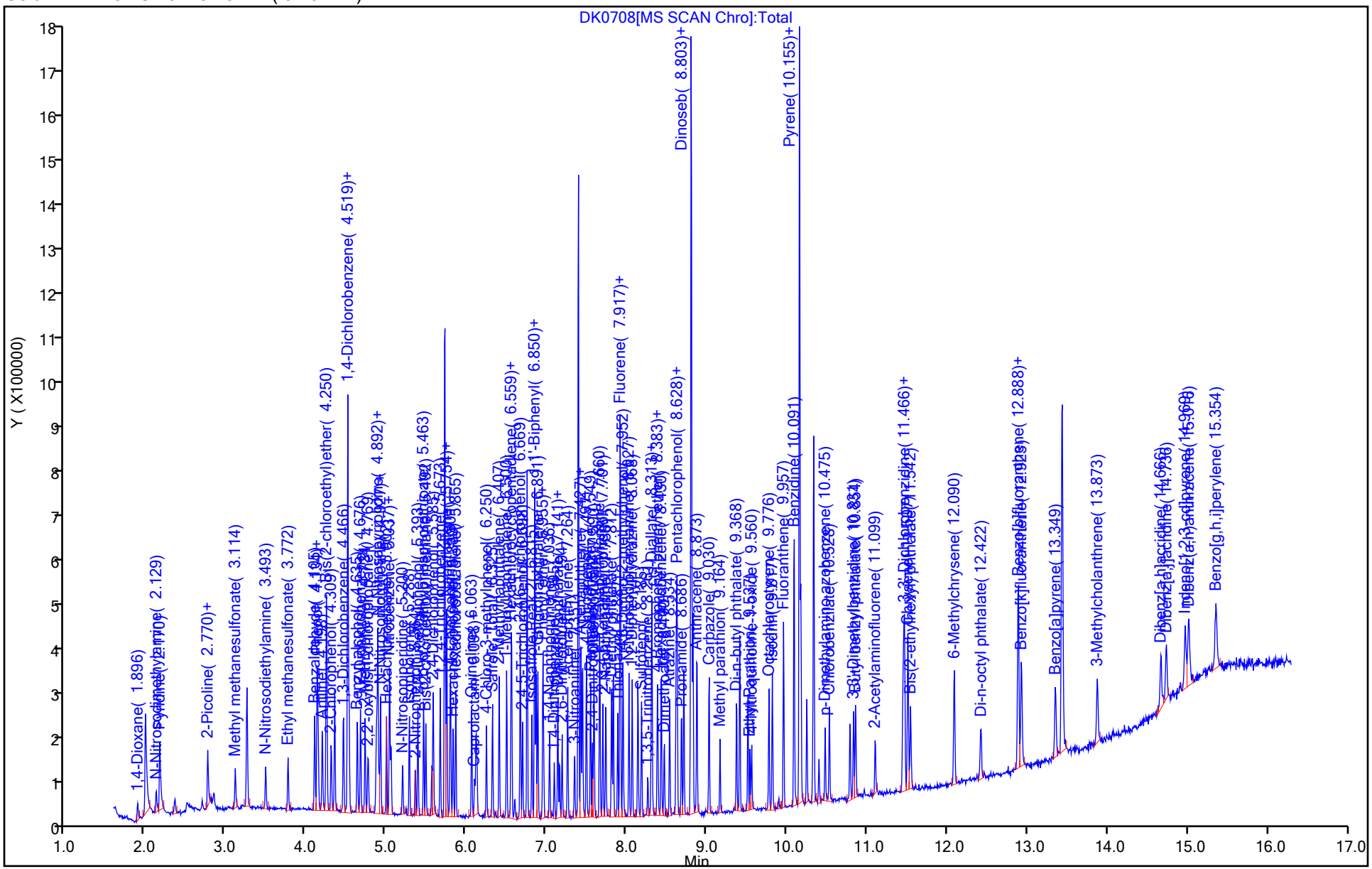
Lims ID: IC L3 Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

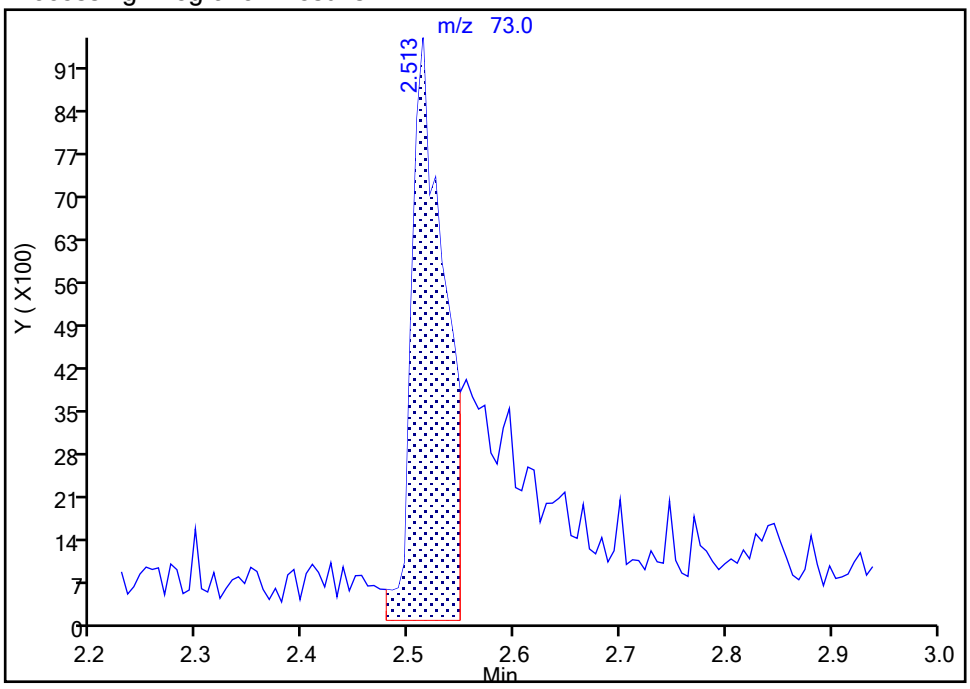
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0708.D				
Injection Date:	07-Nov-2022 21:25:30	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

5 Dimethylformamide, CAS: 68-12-2

Signal: 1

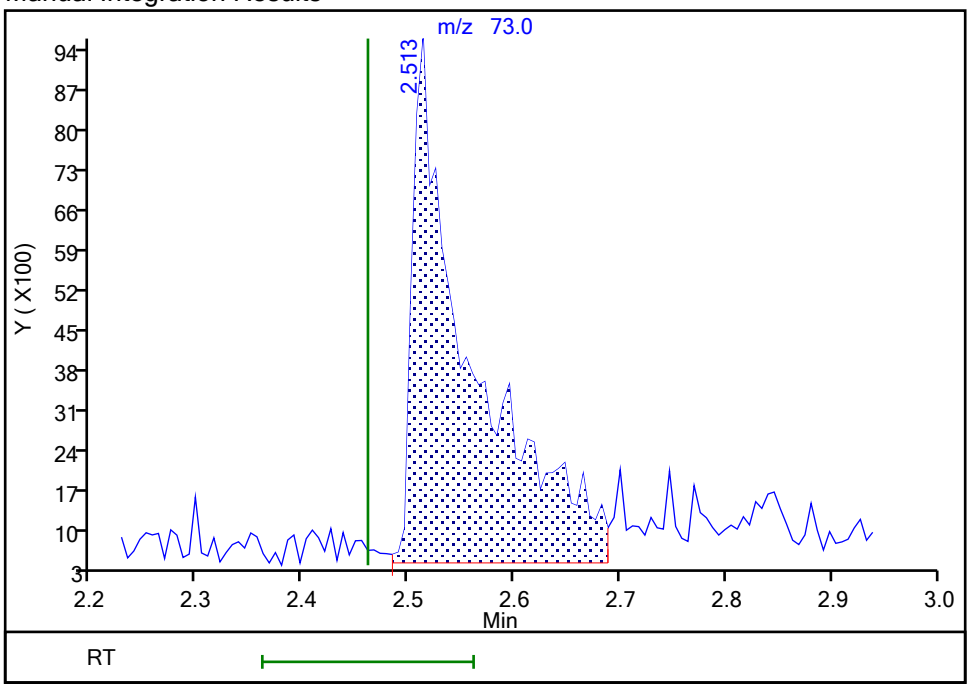
Processing Integration Results

RT: 2.51
Area: 19793
Amount: 0.812551
Amount Units: ug/ml



Manual Integration Results

RT: 2.51
Area: 34919
Amount: 1.323899
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 21:47:49
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

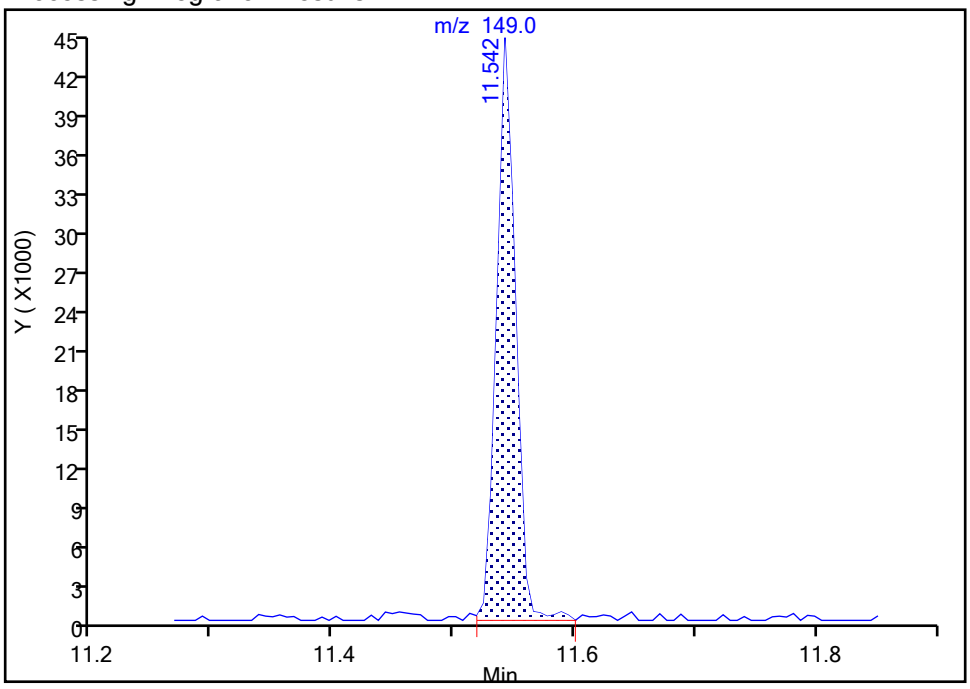
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0708.D				
Injection Date:	07-Nov-2022 21:25:30	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

156 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

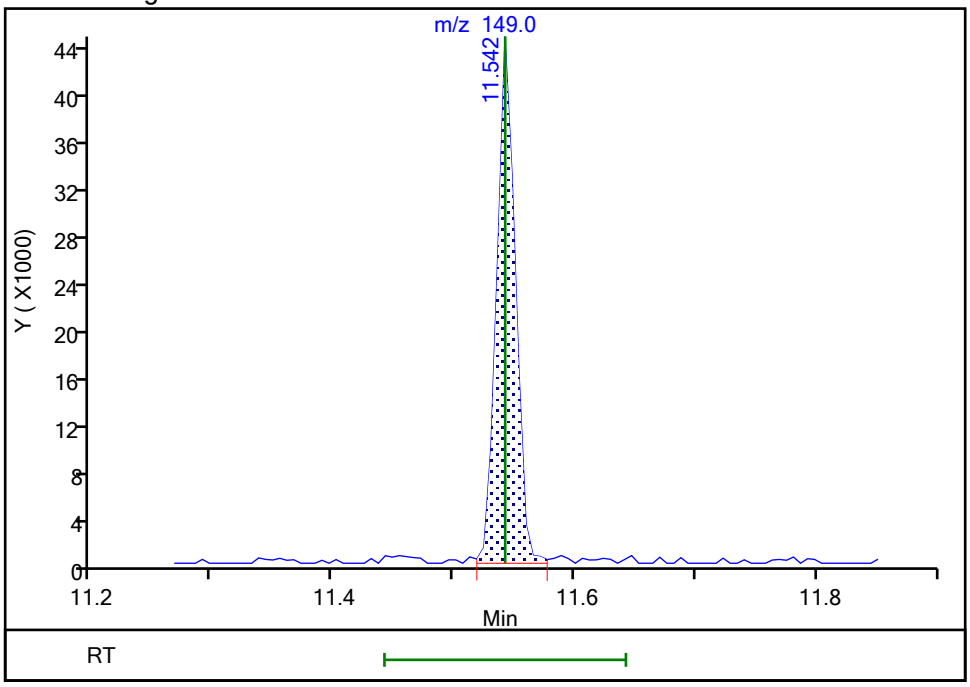
Processing Integration Results

RT: 11.54
Area: 48498
Amount: 0.928479
Amount Units: ug/ml



Manual Integration Results

RT: 11.54
Area: 47928
Amount: 0.981798
Amount Units: ug/ml



Reviewer: SJ89, 07-Nov-2022 22:50:24
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

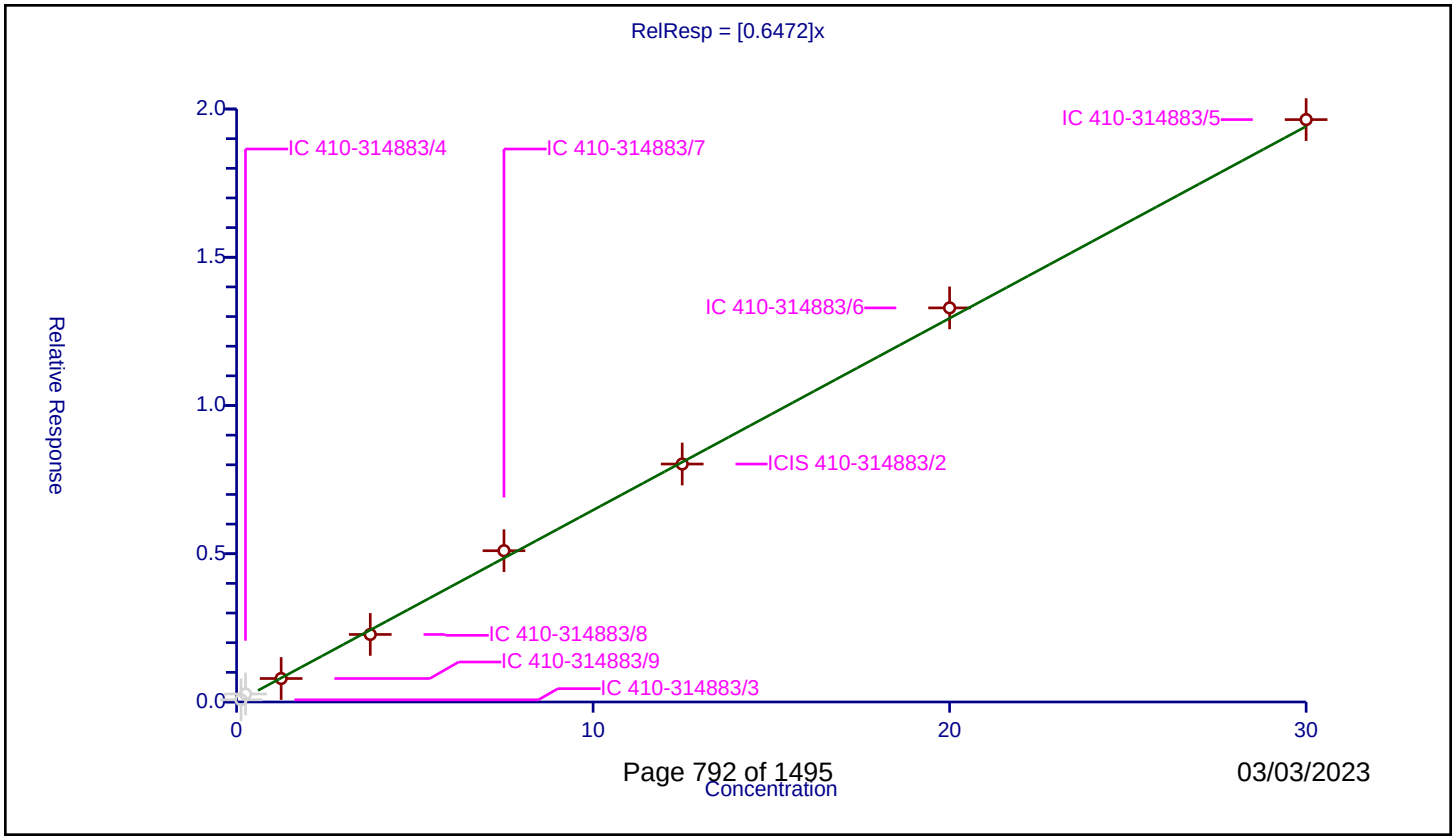
Curve Coefficients

Intercept:	0
Slope:	0.6472

Error Coefficients

Standard Error:	268000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.072905	5.0	116042.0	0.583237	N
2	IC 410-314883/4	0.25	0.269771	5.0	112818.0	1.079083	N
3	IC 410-314883/9	1.25	0.792311	5.0	121215.0	0.633849	Y
4	IC 410-314883/8	3.75	2.277726	5.0	116298.0	0.607394	Y
5	IC 410-314883/7	7.5	5.102328	5.0	113947.0	0.68031	Y
6	ICIS 410-314883/2	12.5	8.025924	5.0	123592.0	0.642074	Y
7	IC 410-314883/6	20.0	13.291754	5.0	116924.0	0.664588	Y
8	IC 410-314883/5	30.0	19.642564	5.0	115727.0	0.654752	Y



Calibration / N-Nitrosodimethylamine

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

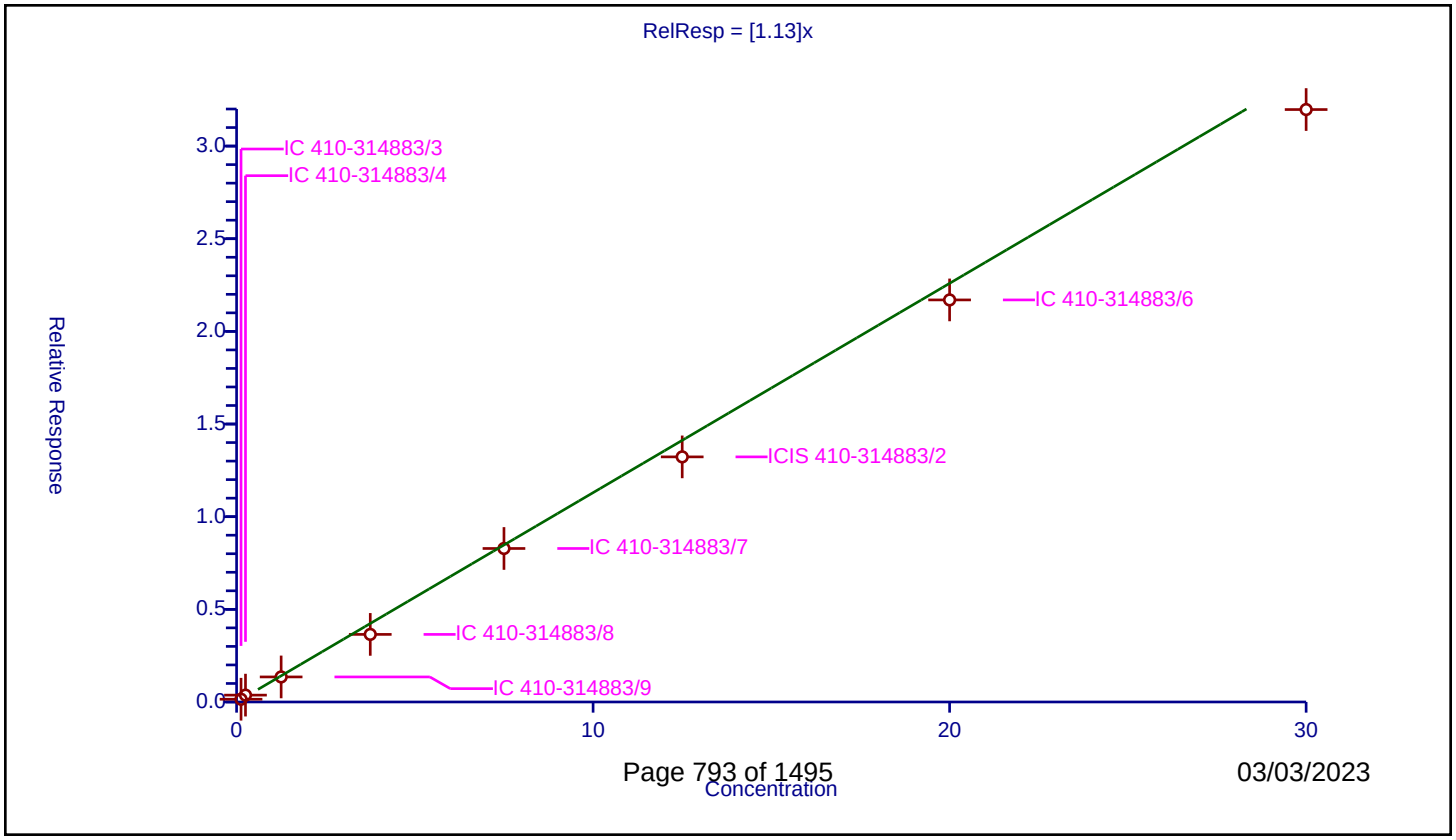
Curve Coefficients

Intercept:	0
Slope:	1.13

Error Coefficients

Standard Error:	370000
Relative Standard Error:	13.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.148567	5.0	116042.0	1.188535	Y
2	IC 410-314883/4	0.25	0.370375	5.0	112818.0	1.481501	Y
3	IC 410-314883/9	1.25	1.351483	5.0	121215.0	1.081186	Y
4	IC 410-314883/8	3.75	3.647483	5.0	116298.0	0.972662	Y
5	IC 410-314883/7	7.5	8.283764	5.0	113947.0	1.104502	Y
6	ICIS 410-314883/2	12.5	13.22796	5.0	123592.0	1.058237	Y
7	IC 410-314883/6	20.0	21.697598	5.0	116924.0	1.08488	Y
8	IC 410-314883/5	30.0	31.970543	5.0	115727.0	1.065685	Y



Calibration / Pyridine

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

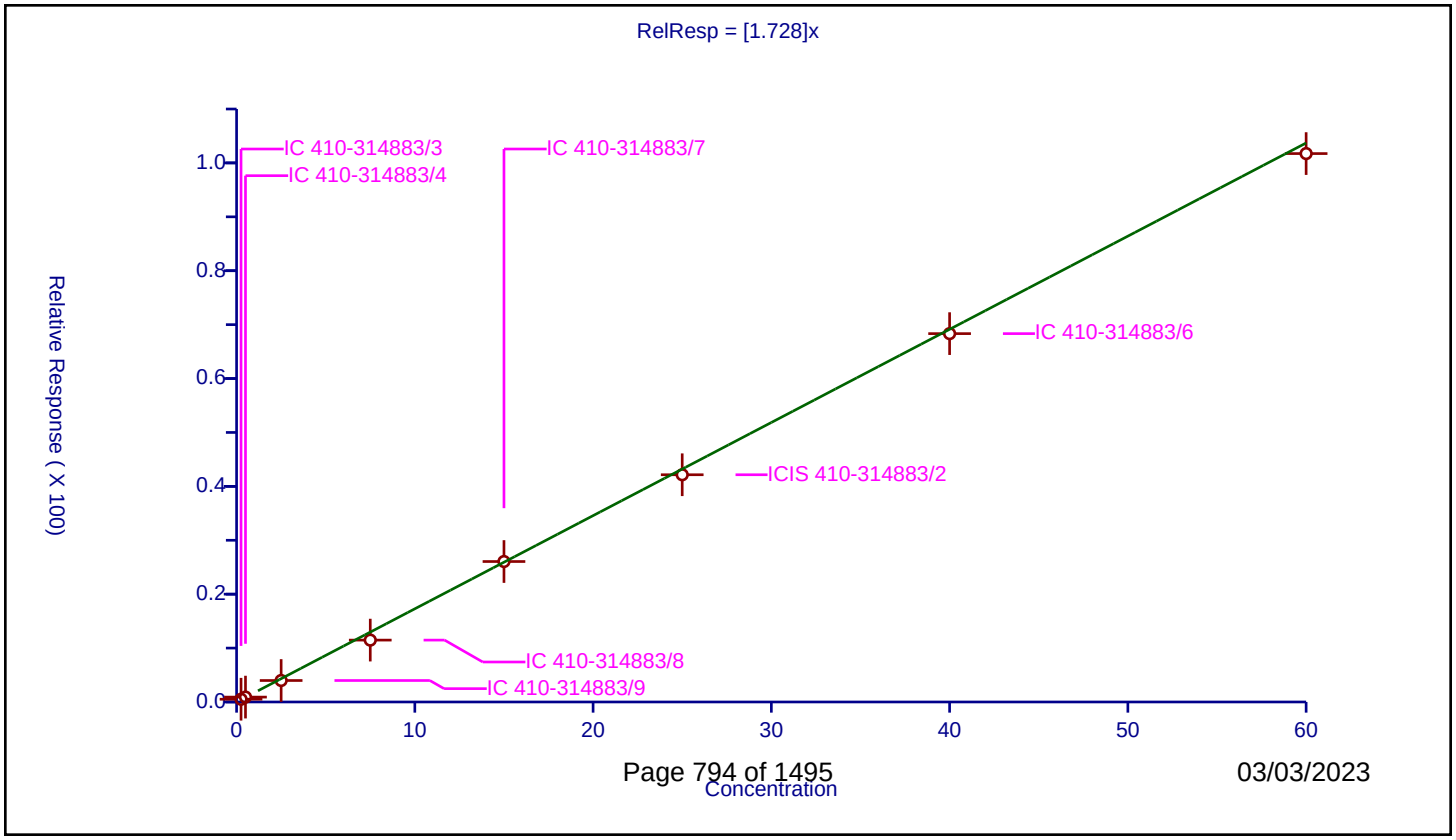
Curve Coefficients

Intercept:	0
Slope:	1.728

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.25	0.513607	5.0	116042.0	2.054429	Y
2	IC 410-314883/4	0.5	0.909961	5.0	112818.0	1.819922	Y
3	IC 410-314883/9	2.5	3.986305	5.0	121215.0	1.594522	Y
4	IC 410-314883/8	7.5	11.47797	5.0	116298.0	1.530396	Y
5	IC 410-314883/7	15.0	26.057509	5.0	113947.0	1.737167	Y
6	ICIS 410-314883/2	25.0	42.153052	5.0	123592.0	1.686122	Y
7	IC 410-314883/6	40.0	68.333618	5.0	116924.0	1.70834	Y
8	IC 410-314883/5	60.0	101.736198	5.0	115727.0	1.695603	Y



Calibration / Dimethylformamide

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

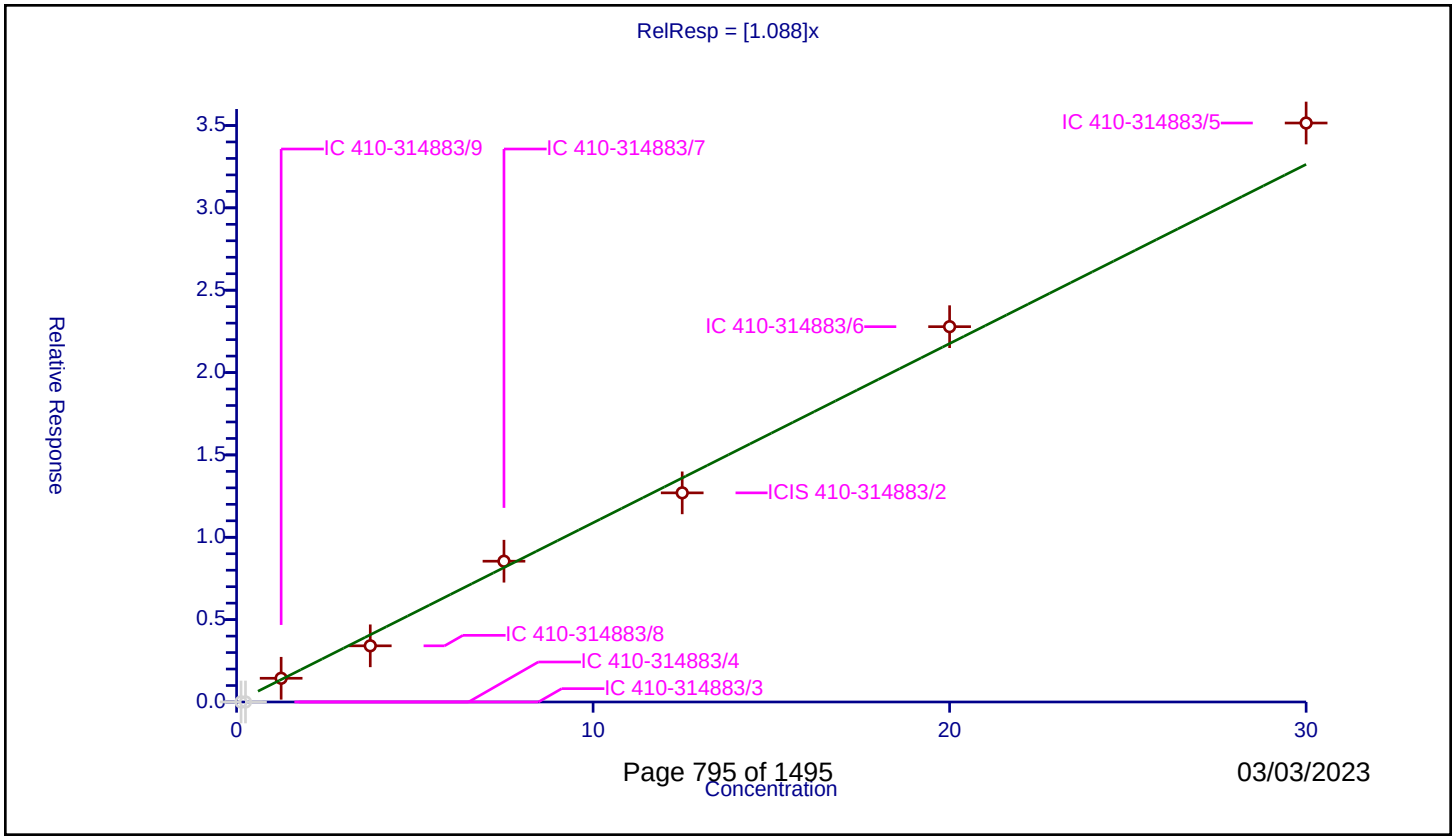
Curve Coefficients

Intercept:	0
Slope:	1.088

Error Coefficients

Standard Error:	467000
Relative Standard Error:	9.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.0	5.0	116042.0	0.0	N
2	IC 410-314883/4	0.25	0.0	5.0	112818.0	0.0	N
3	IC 410-314883/9	1.25	1.440375	5.0	121215.0	1.1523	Y
4	IC 410-314883/8	3.75	3.409861	5.0	116298.0	0.909296	Y
5	IC 410-314883/7	7.5	8.546649	5.0	113947.0	1.139553	Y
6	ICIS 410-314883/2	12.5	12.6971	5.0	123592.0	1.015768	Y
7	IC 410-314883/6	20.0	22.786254	5.0	116924.0	1.139313	Y
8	IC 410-314883/5	30.0	35.149317	5.0	115727.0	1.171644	Y



Calibration / 2-Picoline

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

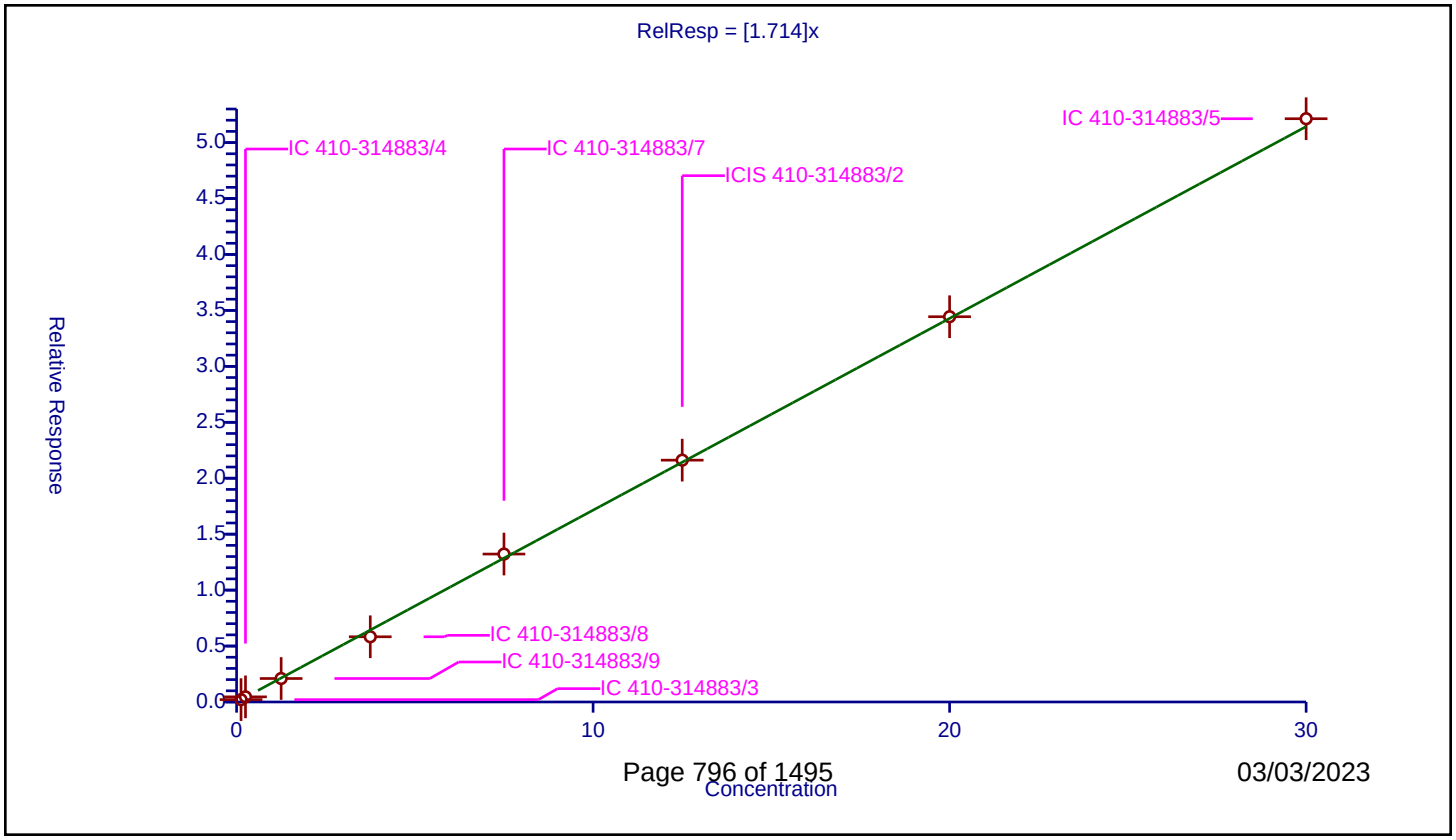
Curve Coefficients

Intercept:	0
Slope:	1.714

Error Coefficients

Standard Error:	598000
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 410-314883/3	0.125	0.211949	5.0	116042.0	1.695593	Y
2	IC 410-314883/4	0.25	0.458881	5.0	112818.0	1.835523	Y
3	IC 410-314883/9	1.25	2.097513	5.0	121215.0	1.67801	Y
4	IC 410-314883/8	3.75	5.828217	5.0	116298.0	1.554191	Y
5	IC 410-314883/7	7.5	13.223385	5.0	113947.0	1.763118	Y
6	ICIS 410-314883/2	12.5	21.61402	5.0	123592.0	1.729122	Y
7	IC 410-314883/6	20.0	34.435702	5.0	116924.0	1.721785	Y
8	IC 410-314883/5	30.0	52.132648	5.0	115727.0	1.737755	Y



Calibration / N-Nitrosomethylethylamine

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

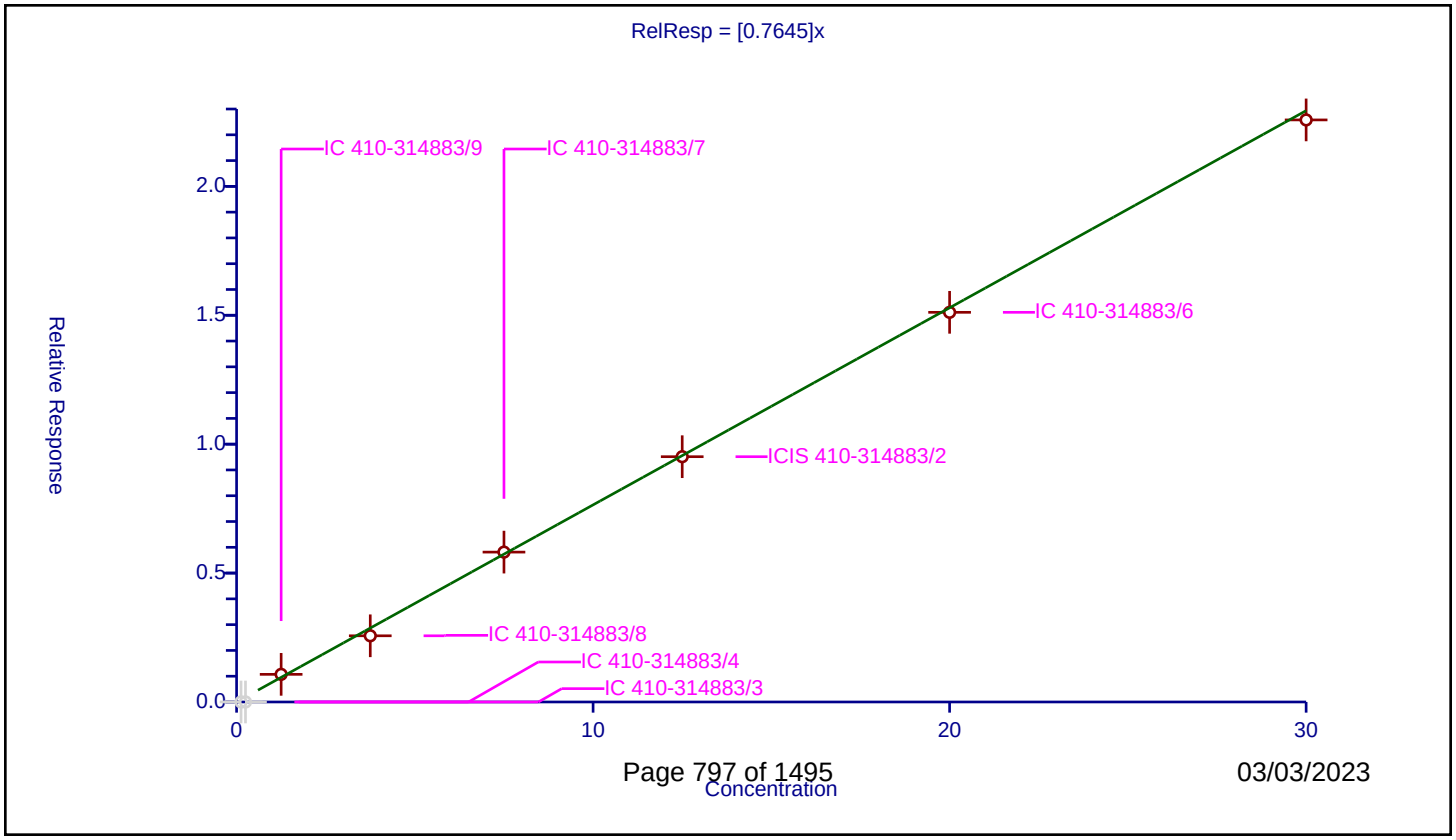
Curve Coefficients

Intercept:	0
Slope:	0.7645

Error Coefficients

Standard Error:	308000
Relative Standard Error:	7.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.0	5.0	116042.0	0.0	N
2	IC 410-314883/4	0.25	0.0	5.0	112818.0	0.0	N
3	IC 410-314883/9	1.25	1.072186	5.0	121215.0	0.857749	Y
4	IC 410-314883/8	3.75	2.56823	5.0	116298.0	0.684861	Y
5	IC 410-314883/7	7.5	5.813141	5.0	113947.0	0.775085	Y
6	ICIS 410-314883/2	12.5	9.513965	5.0	123592.0	0.761117	Y
7	IC 410-314883/6	20.0	15.113963	5.0	116924.0	0.755698	Y
8	IC 410-314883/5	30.0	22.577359	5.0	115727.0	0.752579	Y



Calibration / Methyl methanesulfonate

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

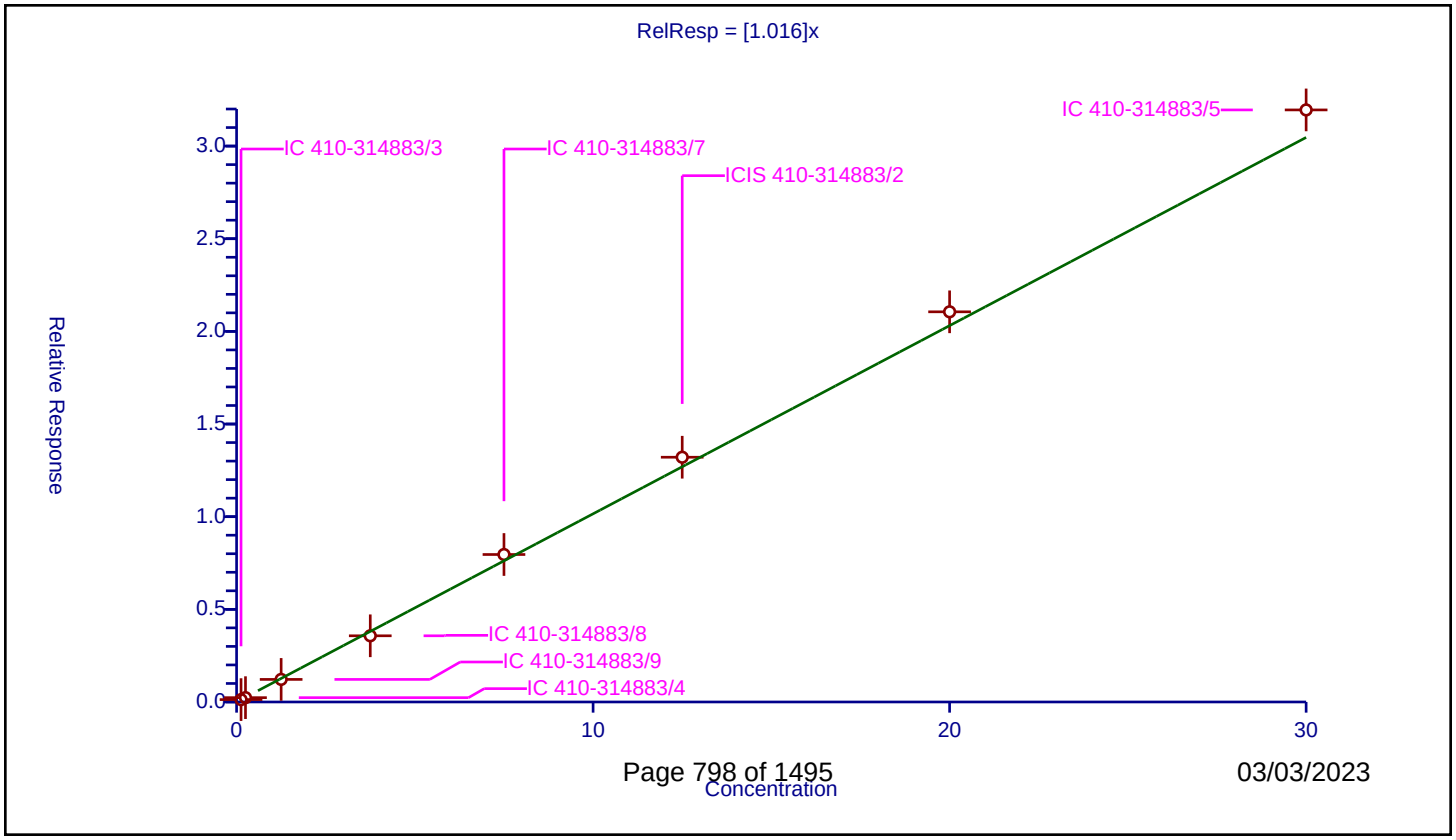
Curve Coefficients

Intercept:	0
Slope:	1.016

Error Coefficients

Standard Error:	366000
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 410-314883/3	0.125	0.128143	5.0	116042.0	1.025146	Y
2	IC 410-314883/4	0.25	0.233961	5.0	112818.0	0.935844	Y
3	IC 410-314883/9	1.25	1.218331	5.0	121215.0	0.974665	Y
4	IC 410-314883/8	3.75	3.573019	5.0	116298.0	0.952805	Y
5	IC 410-314883/7	7.5	7.958919	5.0	113947.0	1.061189	Y
6	ICIS 410-314883/2	12.5	13.208379	5.0	123592.0	1.05667	Y
7	IC 410-314883/6	20.0	21.056327	5.0	116924.0	1.052816	Y
8	IC 410-314883/5	30.0	31.950582	5.0	115727.0	1.065019	Y



Calibration / 2-Fluorophenol

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

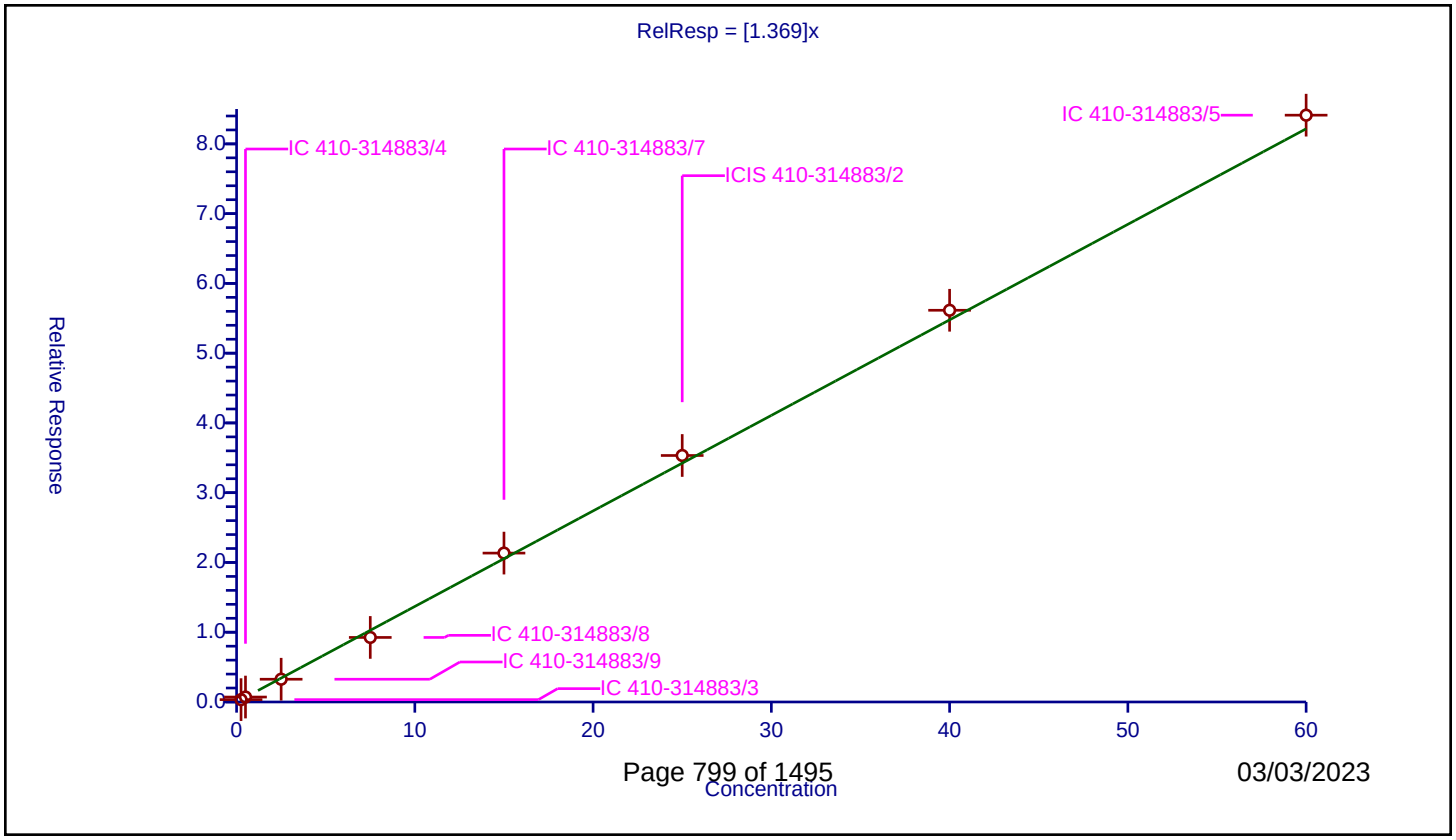
Curve Coefficients

Intercept:	0
Slope:	1.369

Error Coefficients

Standard Error:	969000
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 410-314883/3	0.25	0.338024	5.0	116042.0	1.352097	Y
2	IC 410-314883/4	0.5	0.710747	5.0	112818.0	1.421493	Y
3	IC 410-314883/9	2.5	3.264324	5.0	121215.0	1.305729	Y
4	IC 410-314883/8	7.5	9.253255	5.0	116298.0	1.233767	Y
5	IC 410-314883/7	15.0	21.342291	5.0	113947.0	1.422819	Y
6	ICIS 410-314883/2	25.0	35.335297	5.0	123592.0	1.413412	Y
7	IC 410-314883/6	40.0	56.152757	5.0	116924.0	1.403819	Y
8	IC 410-314883/5	60.0	84.116369	5.0	115727.0	1.401939	Y



Calibration / N-Nitrosodiethylamine

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

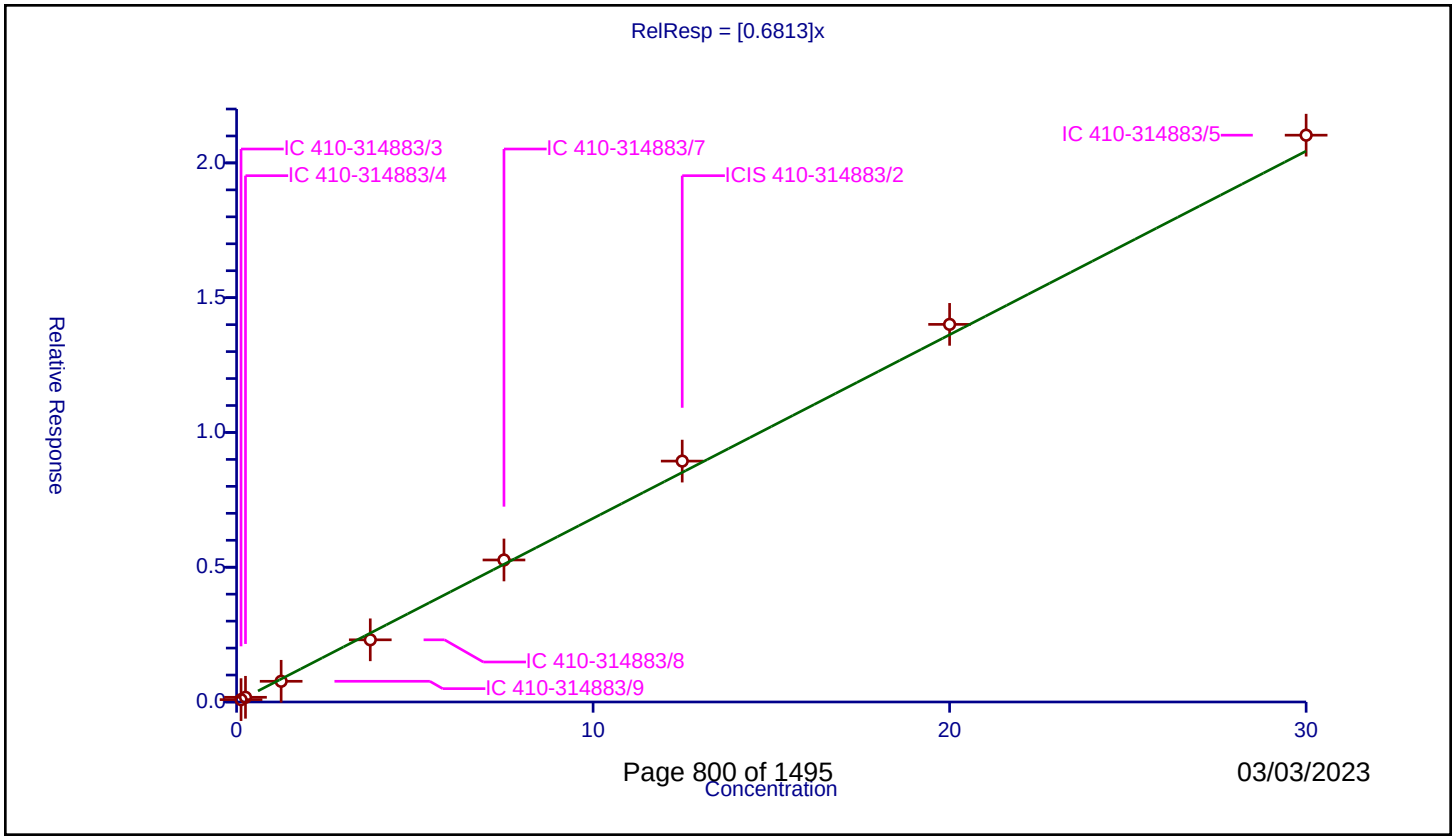
Curve Coefficients

Intercept:	0
Slope:	0.6813

Error Coefficients

Standard Error:	242000
Relative Standard Error:	6.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.088028	5.0	116042.0	0.704228	Y
2	IC 410-314883/4	0.25	0.174396	5.0	112818.0	0.697584	Y
3	IC 410-314883/9	1.25	0.767768	5.0	121215.0	0.614214	Y
4	IC 410-314883/8	3.75	2.307133	5.0	116298.0	0.615236	Y
5	IC 410-314883/7	7.5	5.26859	5.0	113947.0	0.702479	Y
6	ICIS 410-314883/2	12.5	8.937795	5.0	123592.0	0.715024	Y
7	IC 410-314883/6	20.0	14.010126	5.0	116924.0	0.700506	Y
8	IC 410-314883/5	30.0	21.029492	5.0	115727.0	0.700983	Y



Calibration / Ethyl methanesulfonate

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

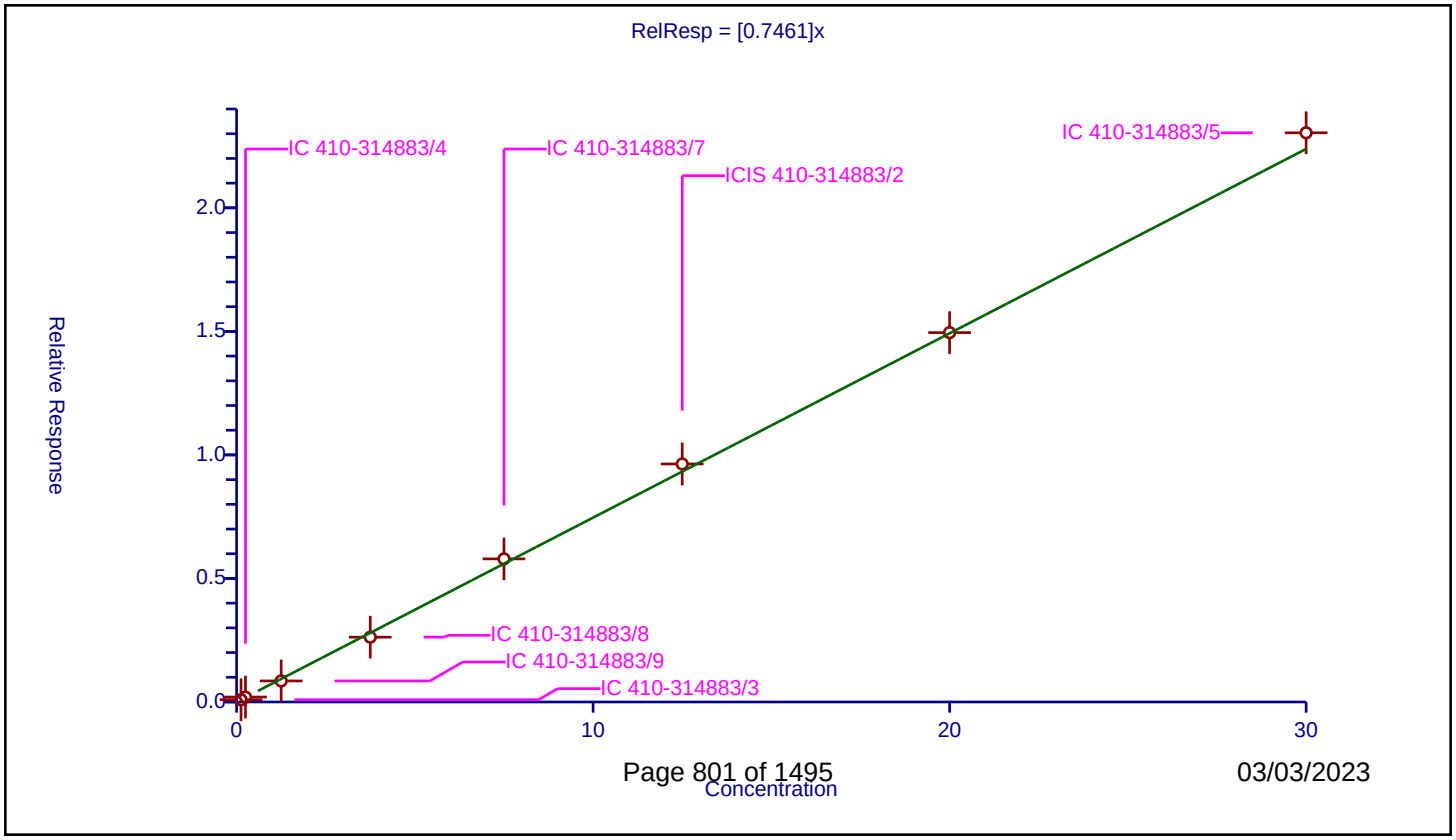
Curve Coefficients

Intercept:	0
Slope:	0.7461

Error Coefficients

Standard Error:	263000
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 410-314883/3	0.125	0.091131	5.0	116042.0	0.729046	Y
2	IC 410-314883/4	0.25	0.200057	5.0	112818.0	0.800227	Y
3	IC 410-314883/9	1.25	0.85237	5.0	121215.0	0.681896	Y
4	IC 410-314883/8	3.75	2.623605	5.0	116298.0	0.699628	Y
5	IC 410-314883/7	7.5	5.791552	5.0	113947.0	0.772207	Y
6	ICIS 410-314883/2	12.5	9.632905	5.0	123592.0	0.770632	Y
7	IC 410-314883/6	20.0	14.950139	5.0	116924.0	0.747507	Y
8	IC 410-314883/5	30.0	23.038141	5.0	115727.0	0.767938	Y



Calibration / Benzaldehyde

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

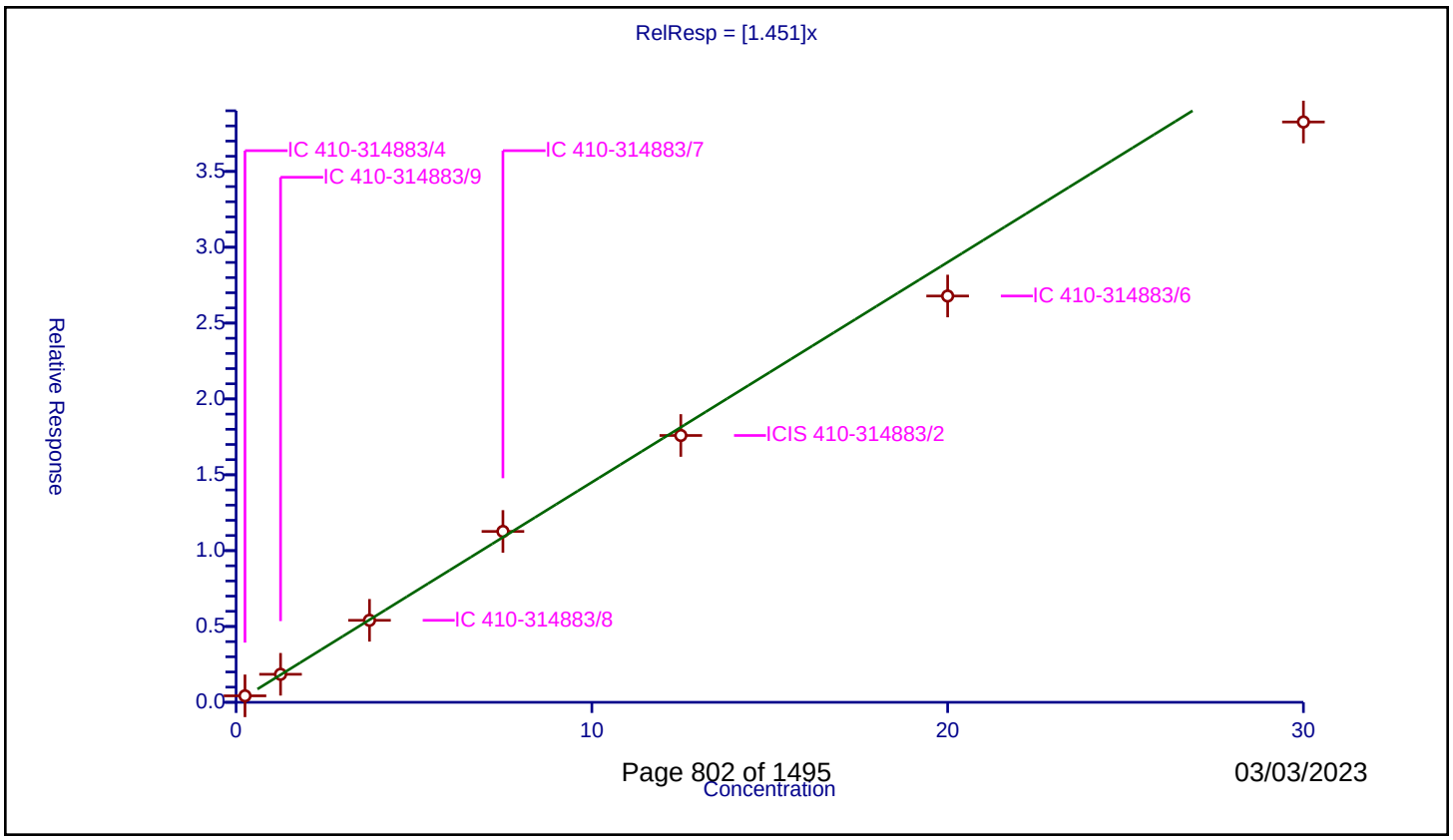
Curve Coefficients

Intercept:	0
Slope:	1.451

Error Coefficients

Standard Error:	491000
Relative Standard Error:	9.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/4	0.25	0.427724	5.0	112818.0	1.710897	Y
2	IC 410-314883/9	1.25	1.847379	5.0	121215.0	1.477903	Y
3	IC 410-314883/8	3.75	5.406456	5.0	116298.0	1.441722	Y
4	IC 410-314883/7	7.5	11.265413	5.0	113947.0	1.502055	Y
5	ICIS 410-314883/2	12.5	17.592118	5.0	123592.0	1.407369	Y
6	IC 410-314883/6	20.0	26.786075	5.0	116924.0	1.339304	Y
7	IC 410-314883/5	30.0	38.260216	5.0	115727.0	1.275341	Y



Calibration / Phenol-d5

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

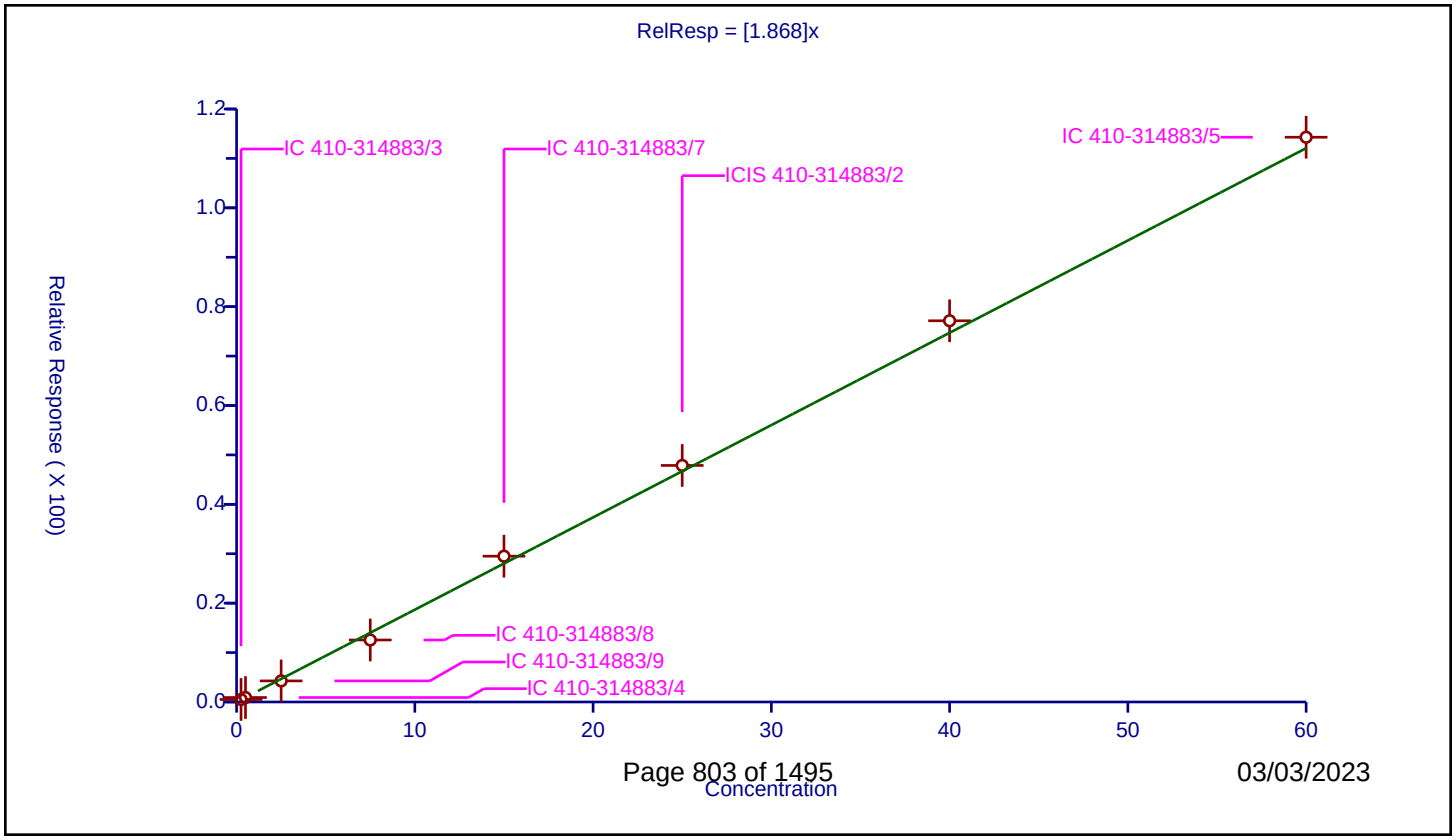
Curve Coefficients

Intercept:	0
Slope:	1.868

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.25	0.510893	5.0	116042.0	2.04357	Y
2	IC 410-314883/4	0.5	0.902427	5.0	112818.0	1.804854	Y
3	IC 410-314883/9	2.5	4.265149	5.0	121215.0	1.706059	Y
4	IC 410-314883/8	7.5	12.545831	5.0	116298.0	1.672777	Y
5	IC 410-314883/7	15.0	29.502971	5.0	113947.0	1.966865	Y
6	ICIS 410-314883/2	25.0	47.872071	5.0	123592.0	1.914883	Y
7	IC 410-314883/6	40.0	77.147249	5.0	116924.0	1.928681	Y
8	IC 410-314883/5	60.0	114.290442	5.0	115727.0	1.904841	Y



03/03/2023

Calibration / Phenol

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

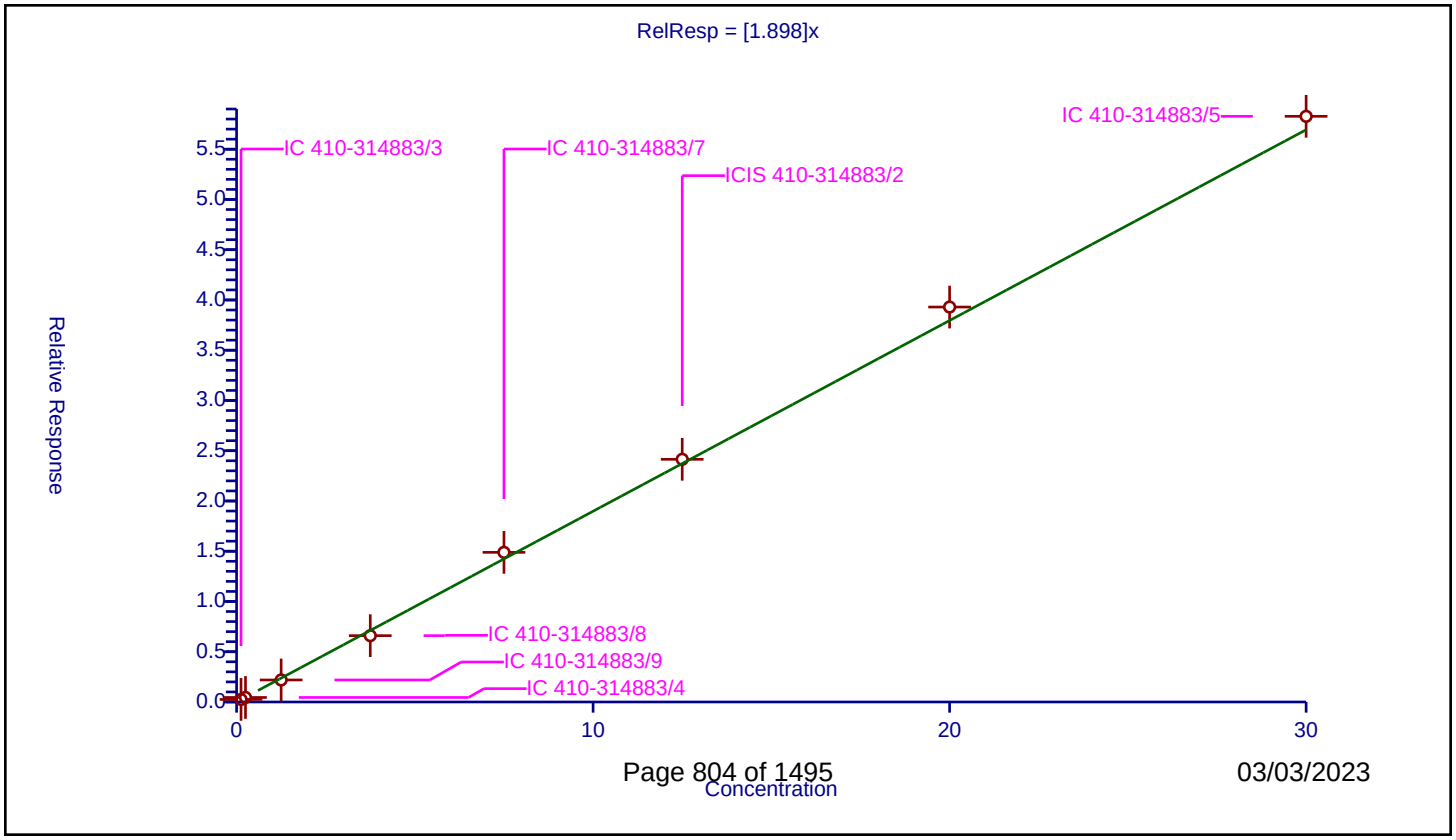
Curve Coefficients

Intercept:	0
Slope:	1.898

Error Coefficients

Standard Error:	672000
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 410-314883/3	0.125	0.255597	5.0	116042.0	2.044777	Y
2	IC 410-314883/4	0.25	0.450416	5.0	112818.0	1.801663	Y
3	IC 410-314883/9	1.25	2.191272	5.0	121215.0	1.753017	Y
4	IC 410-314883/8	3.75	6.598738	5.0	116298.0	1.759663	Y
5	IC 410-314883/7	7.5	14.88793	5.0	113947.0	1.985057	Y
6	ICIS 410-314883/2	12.5	24.145535	5.0	123592.0	1.931643	Y
7	IC 410-314883/6	20.0	39.296808	5.0	116924.0	1.96484	Y
8	IC 410-314883/5	30.0	58.272702	5.0	115727.0	1.942423	Y



Calibration / Aniline

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

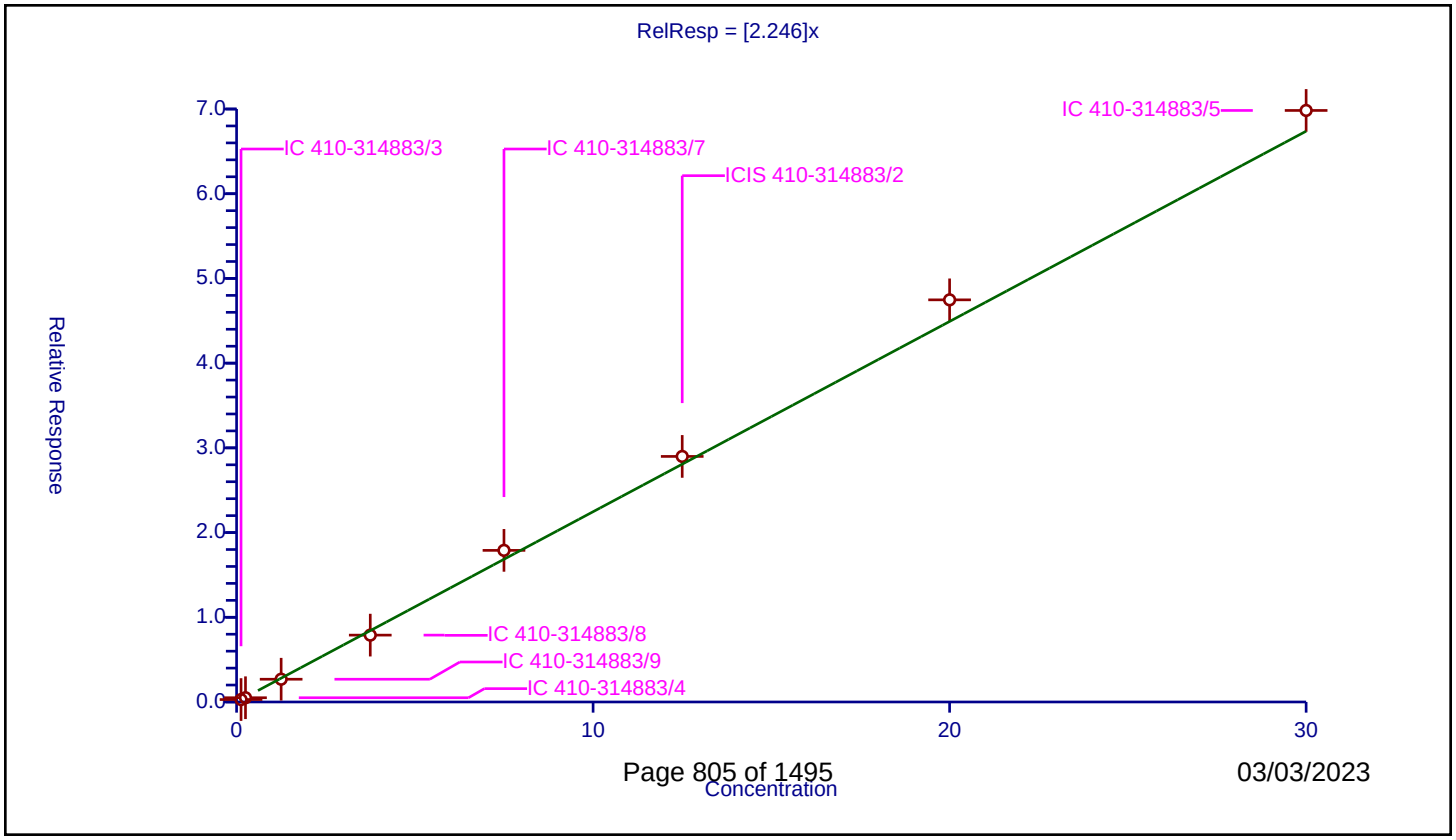
Curve Coefficients

Intercept:	0
Slope:	2.246

Error Coefficients

Standard Error:	807000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.287439	5.0	116042.0	2.299512	Y
2	IC 410-314883/4	0.25	0.501649	5.0	112818.0	2.006595	Y
3	IC 410-314883/9	1.25	2.688281	5.0	121215.0	2.150625	Y
4	IC 410-314883/8	3.75	7.892784	5.0	116298.0	2.104742	Y
5	IC 410-314883/7	7.5	17.897049	5.0	113947.0	2.386273	Y
6	ICIS 410-314883/2	12.5	28.989255	5.0	123592.0	2.31914	Y
7	IC 410-314883/6	20.0	47.472204	5.0	116924.0	2.37361	Y
8	IC 410-314883/5	30.0	69.831284	5.0	115727.0	2.327709	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

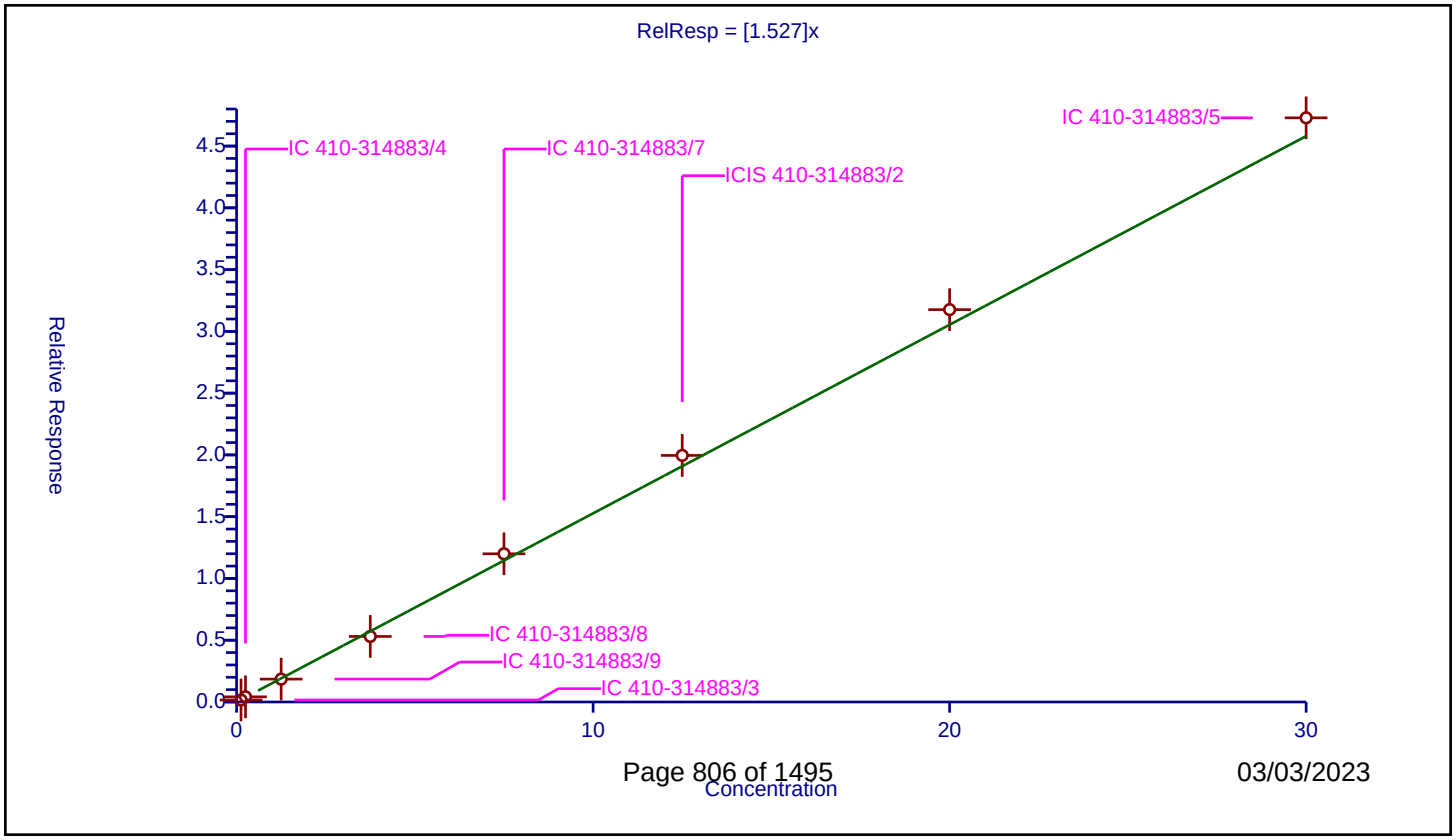
Curve Coefficients

Intercept:	0
Slope:	1.527

Error Coefficients

Standard Error:	546000
Relative Standard Error:	8.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.160976	5.0	116042.0	1.28781	Y
2	IC 410-314883/4	0.25	0.416999	5.0	112818.0	1.667996	Y
3	IC 410-314883/9	1.25	1.853937	5.0	121215.0	1.48315	Y
4	IC 410-314883/8	3.75	5.307529	5.0	116298.0	1.415341	Y
5	IC 410-314883/7	7.5	11.995665	5.0	113947.0	1.599422	Y
6	ICIS 410-314883/2	12.5	19.960192	5.0	123592.0	1.596815	Y
7	IC 410-314883/6	20.0	31.760289	5.0	116924.0	1.588014	Y
8	IC 410-314883/5	30.0	47.288532	5.0	115727.0	1.576284	Y



Calibration / 2-Chlorophenol

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

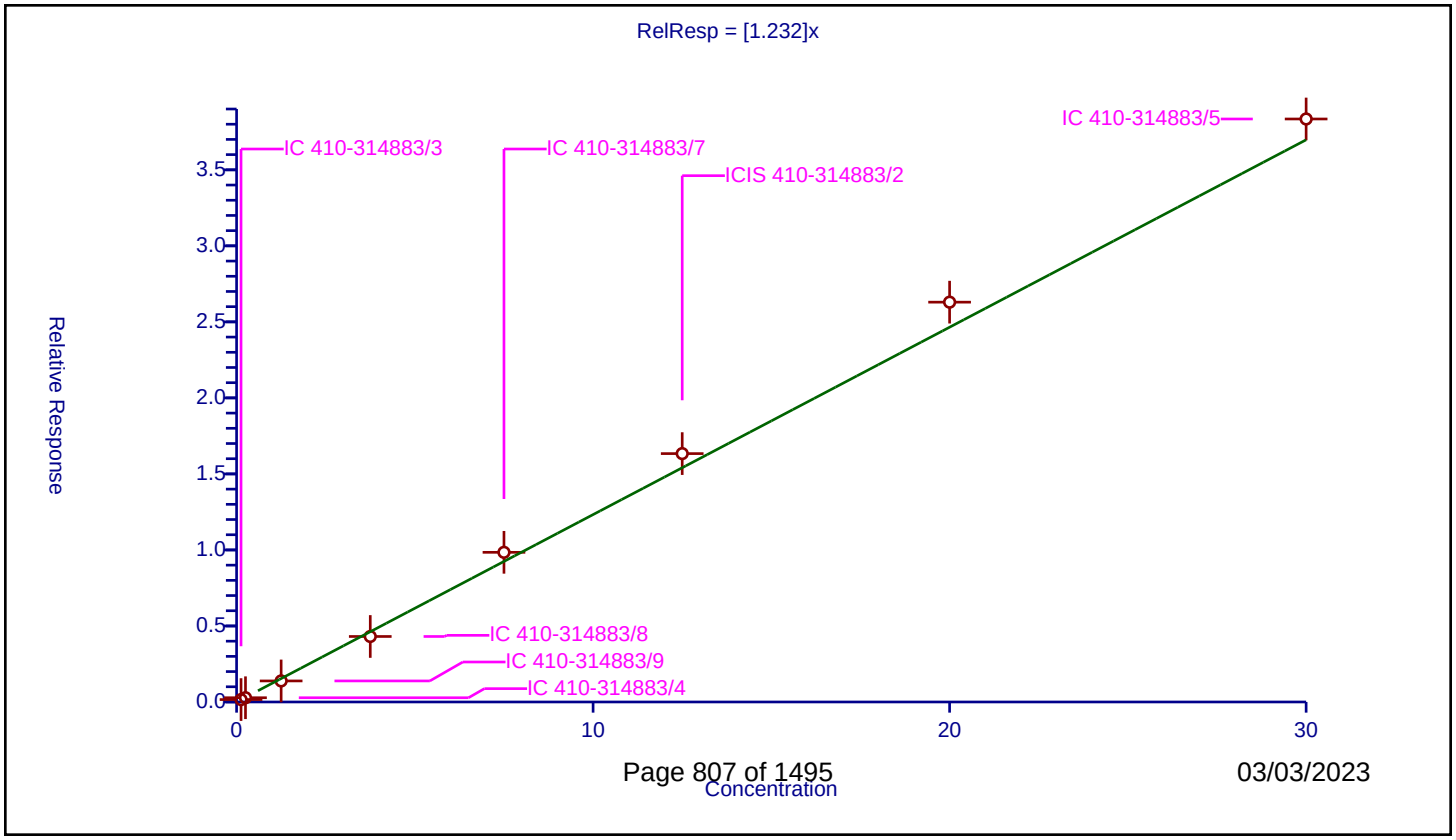
Curve Coefficients

Intercept:	0
Slope:	1.232

Error Coefficients

Standard Error:	446000
Relative Standard Error:	7.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.159167	5.0	116042.0	1.273332	Y
2	IC 410-314883/4	0.25	0.279299	5.0	112818.0	1.117198	Y
3	IC 410-314883/9	1.25	1.385266	5.0	121215.0	1.108213	Y
4	IC 410-314883/8	3.75	4.307641	5.0	116298.0	1.148704	Y
5	IC 410-314883/7	7.5	9.842953	5.0	113947.0	1.312394	Y
6	ICIS 410-314883/2	12.5	16.335645	5.0	123592.0	1.306852	Y
7	IC 410-314883/6	20.0	26.297467	5.0	116924.0	1.314873	Y
8	IC 410-314883/5	30.0	38.344768	5.0	115727.0	1.278159	Y



Calibration / 1,3-Dichlorobenzene

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

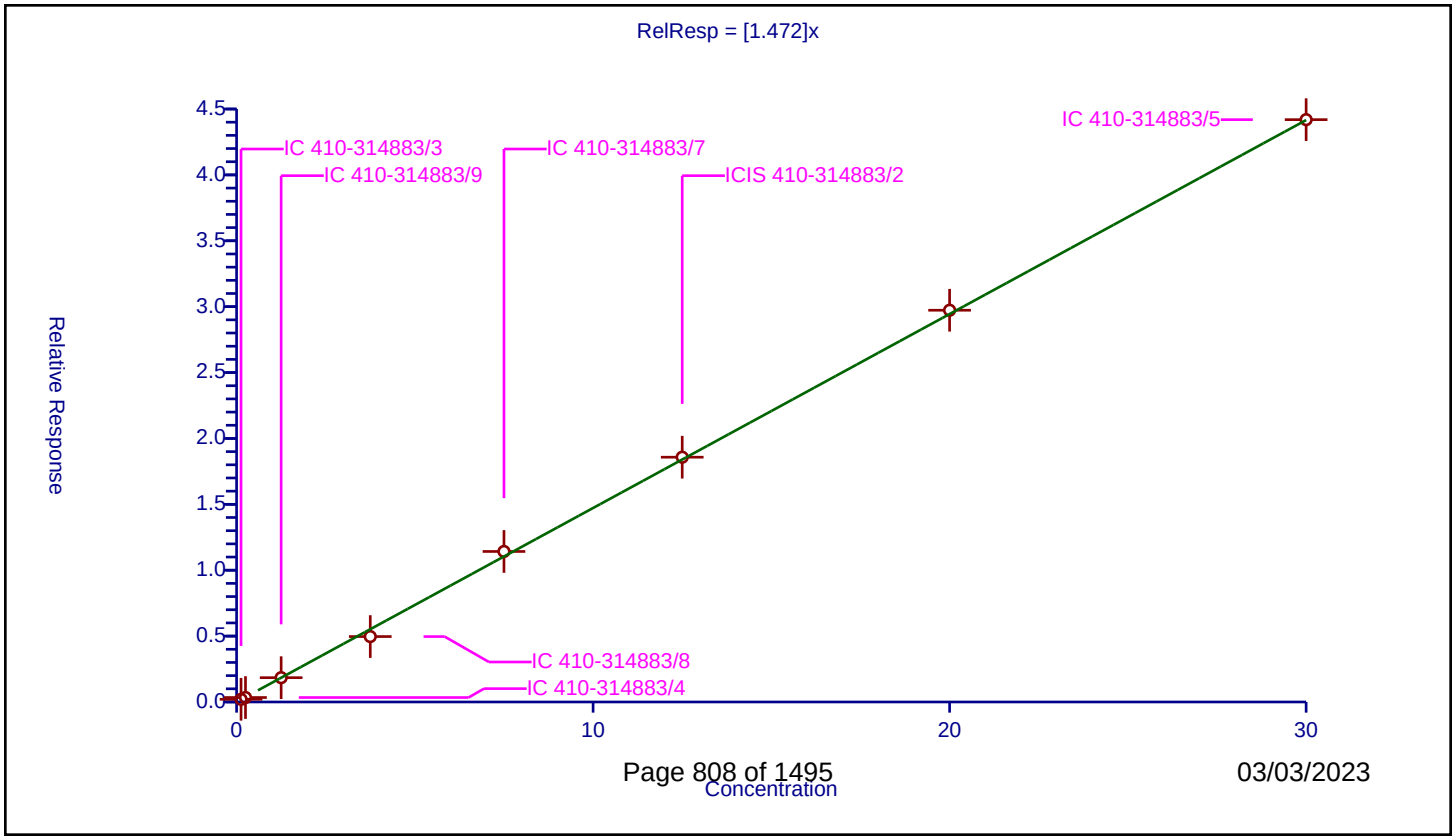
Curve Coefficients

Intercept:	0
Slope:	1.472

Error Coefficients

Standard Error:	510000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.206175	5.0	116042.0	1.649403	Y
2	IC 410-314883/4	0.25	0.339706	5.0	112818.0	1.358826	Y
3	IC 410-314883/9	1.25	1.844161	5.0	121215.0	1.475329	Y
4	IC 410-314883/8	3.75	4.965047	5.0	116298.0	1.324012	Y
5	IC 410-314883/7	7.5	11.422021	5.0	113947.0	1.522936	Y
6	ICIS 410-314883/2	12.5	18.577254	5.0	123592.0	1.48618	Y
7	IC 410-314883/6	20.0	29.729996	5.0	116924.0	1.4865	Y
8	IC 410-314883/5	30.0	44.192107	5.0	115727.0	1.47307	Y



Calibration / 1,4-Dichlorobenzene

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

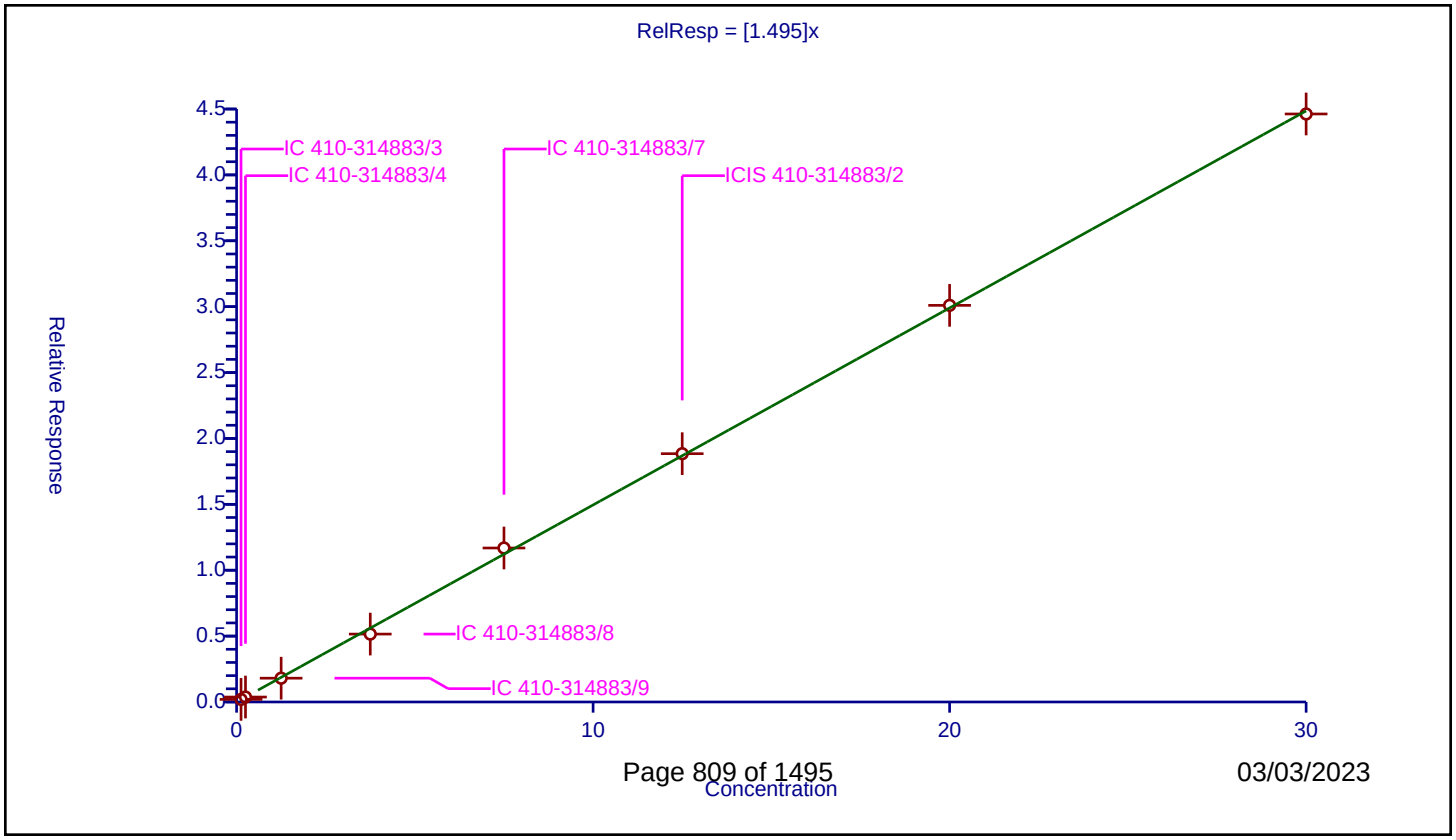
Curve Coefficients

Intercept:	0
Slope:	1.495

Error Coefficients

Standard Error:	516000
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 410-314883/3	0.125	0.197859	5.0	116042.0	1.582875	Y
2	IC 410-314883/4	0.25	0.375472	5.0	112818.0	1.501888	Y
3	IC 410-314883/9	1.25	1.806006	5.0	121215.0	1.444805	Y
4	IC 410-314883/8	3.75	5.153227	5.0	116298.0	1.374194	Y
5	IC 410-314883/7	7.5	11.684862	5.0	113947.0	1.557982	Y
6	ICIS 410-314883/2	12.5	18.843008	5.0	123592.0	1.507441	Y
7	IC 410-314883/6	20.0	30.100022	5.0	116924.0	1.505001	Y
8	IC 410-314883/5	30.0	44.622906	5.0	115727.0	1.48743	Y



Calibration / Benzyl alcohol

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

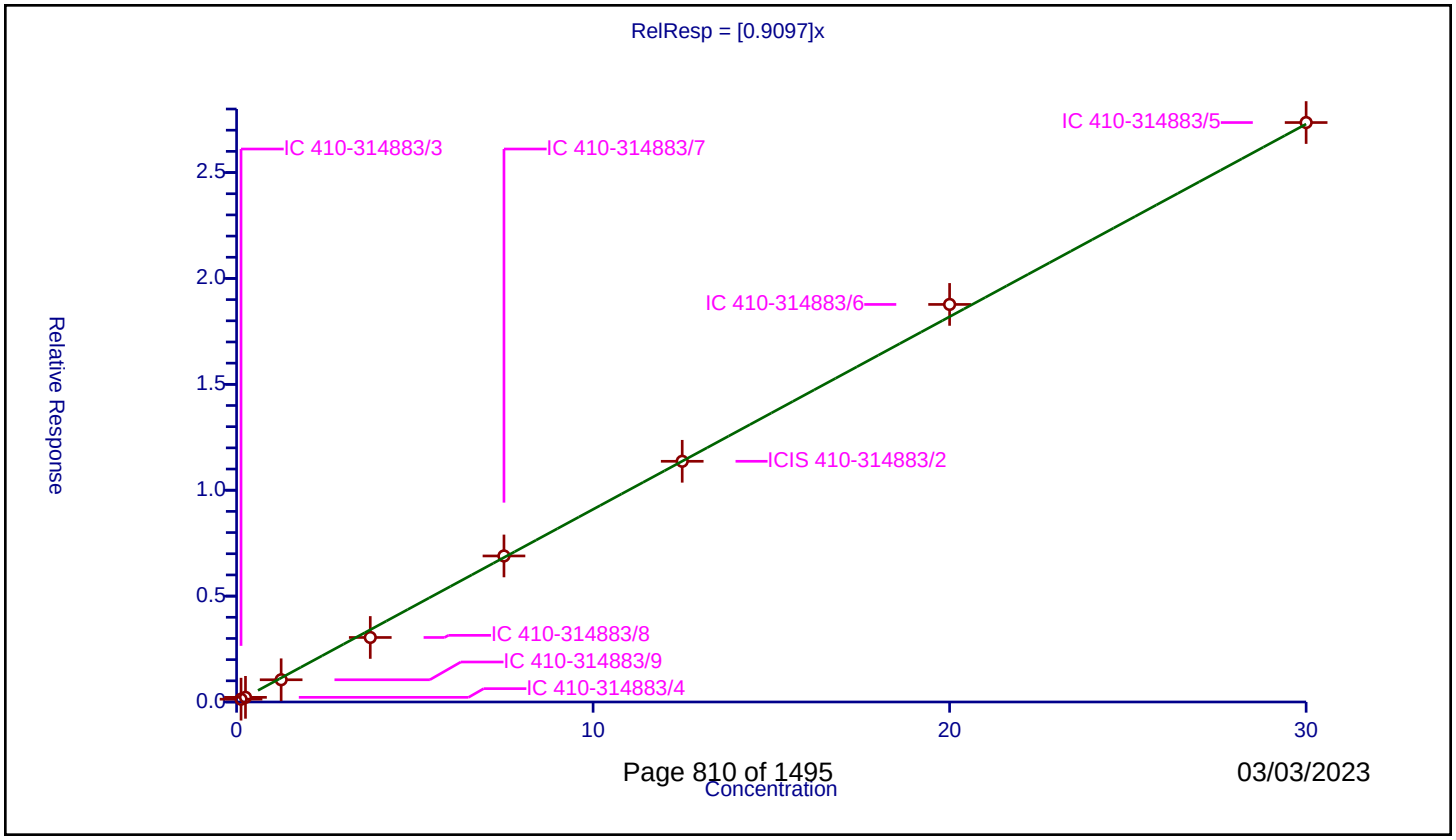
Curve Coefficients

Intercept:	0
Slope:	0.9097

Error Coefficients

Standard Error:	317000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.1334	5.0	116042.0	1.0672	Y
2	IC 410-314883/4	0.25	0.21969	5.0	112818.0	0.87876	Y
3	IC 410-314883/9	1.25	1.049293	5.0	121215.0	0.839434	Y
4	IC 410-314883/8	3.75	3.046527	5.0	116298.0	0.812407	Y
5	IC 410-314883/7	7.5	6.895443	5.0	113947.0	0.919392	Y
6	ICIS 410-314883/2	12.5	11.366391	5.0	123592.0	0.909311	Y
7	IC 410-314883/6	20.0	18.77245	5.0	116924.0	0.938623	Y
8	IC 410-314883/5	30.0	27.362197	5.0	115727.0	0.912073	Y



Calibration / 1,2-Dichlorobenzene

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

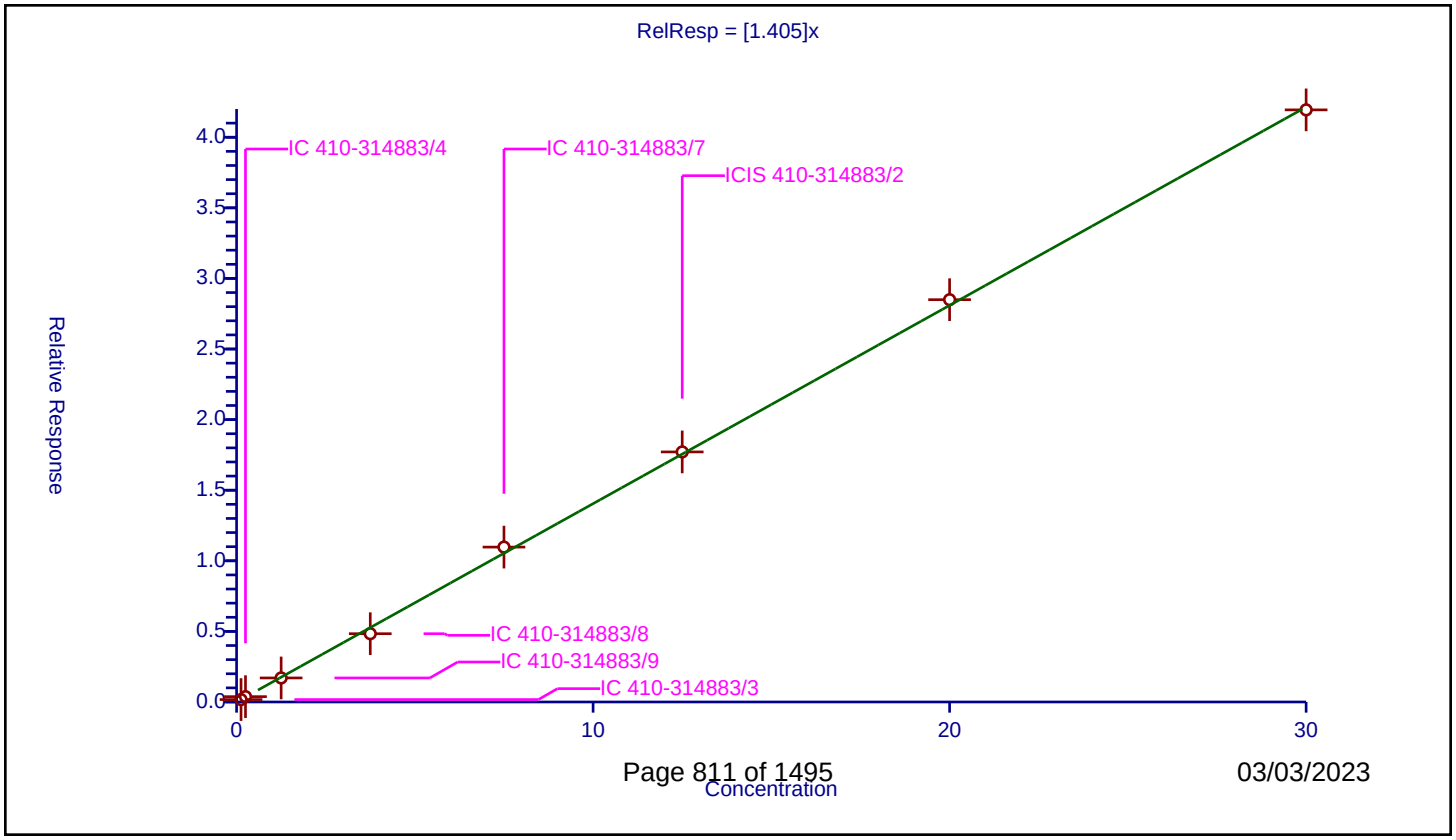
Curve Coefficients

Intercept:	0
Slope:	1.405

Error Coefficients

Standard Error:	486000
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 410-314883/3	0.125	0.170585	5.0	116042.0	1.364678	Y
2	IC 410-314883/4	0.25	0.379594	5.0	112818.0	1.518375	Y
3	IC 410-314883/9	1.25	1.702223	5.0	121215.0	1.361779	Y
4	IC 410-314883/8	3.75	4.83667	5.0	116298.0	1.289779	Y
5	IC 410-314883/7	7.5	10.971241	5.0	113947.0	1.462832	Y
6	ICIS 410-314883/2	12.5	17.711866	5.0	123592.0	1.416949	Y
7	IC 410-314883/6	20.0	28.494791	5.0	116924.0	1.42474	Y
8	IC 410-314883/5	30.0	41.940083	5.0	115727.0	1.398003	Y



Calibration / 2-Methylphenol

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

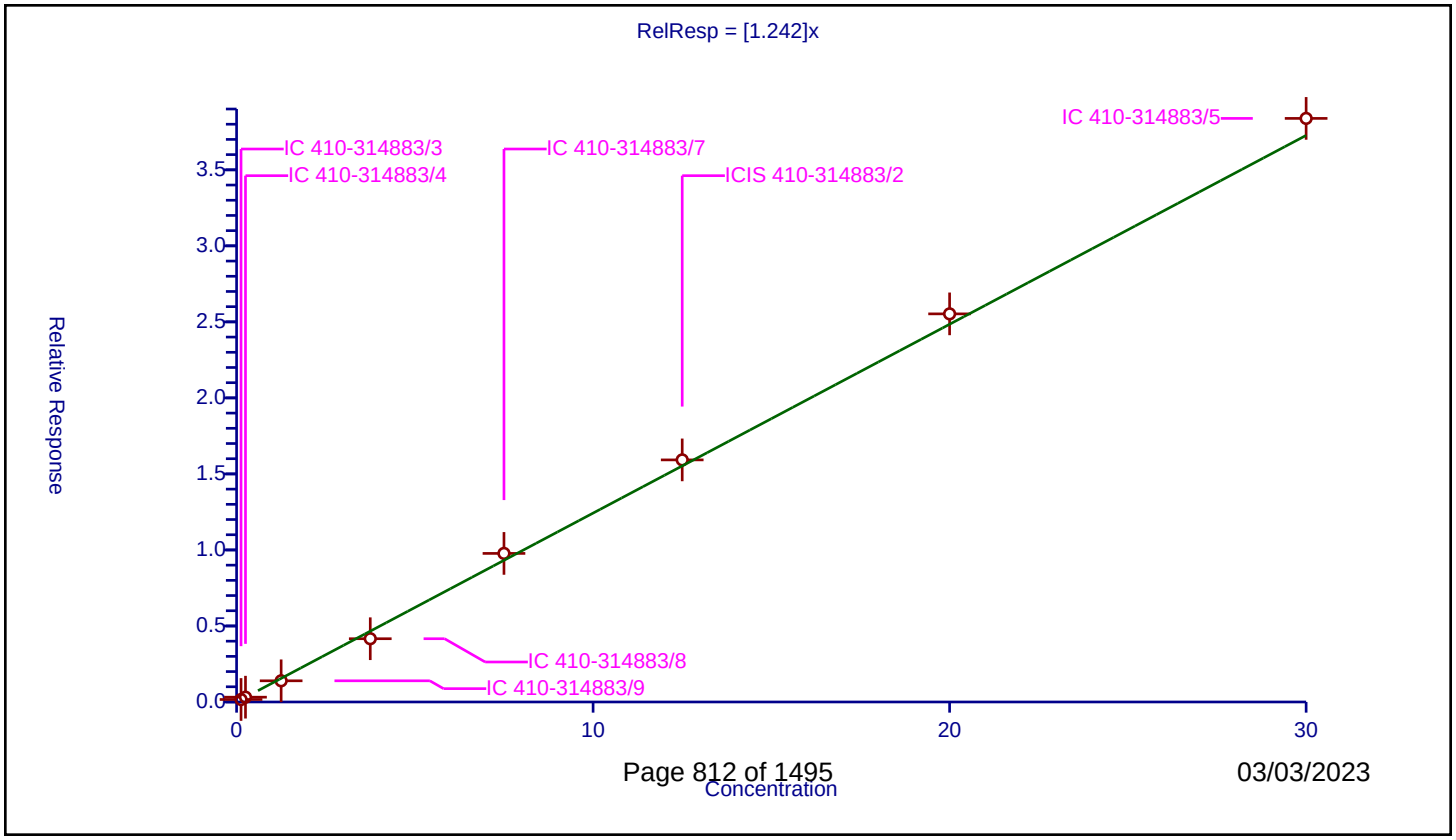
Curve Coefficients

Intercept:	0
Slope:	1.242

Error Coefficients

Standard Error:	441000
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 410-314883/3	0.125	0.164509	5.0	116042.0	1.316075	Y
2	IC 410-314883/4	0.25	0.316129	5.0	112818.0	1.264515	Y
3	IC 410-314883/9	1.25	1.393309	5.0	121215.0	1.114648	Y
4	IC 410-314883/8	3.75	4.16125	5.0	116298.0	1.109667	Y
5	IC 410-314883/7	7.5	9.772438	5.0	113947.0	1.302992	Y
6	ICIS 410-314883/2	12.5	15.922754	5.0	123592.0	1.27382	Y
7	IC 410-314883/6	20.0	25.526881	5.0	116924.0	1.276344	Y
8	IC 410-314883/5	30.0	38.381925	5.0	115727.0	1.279397	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

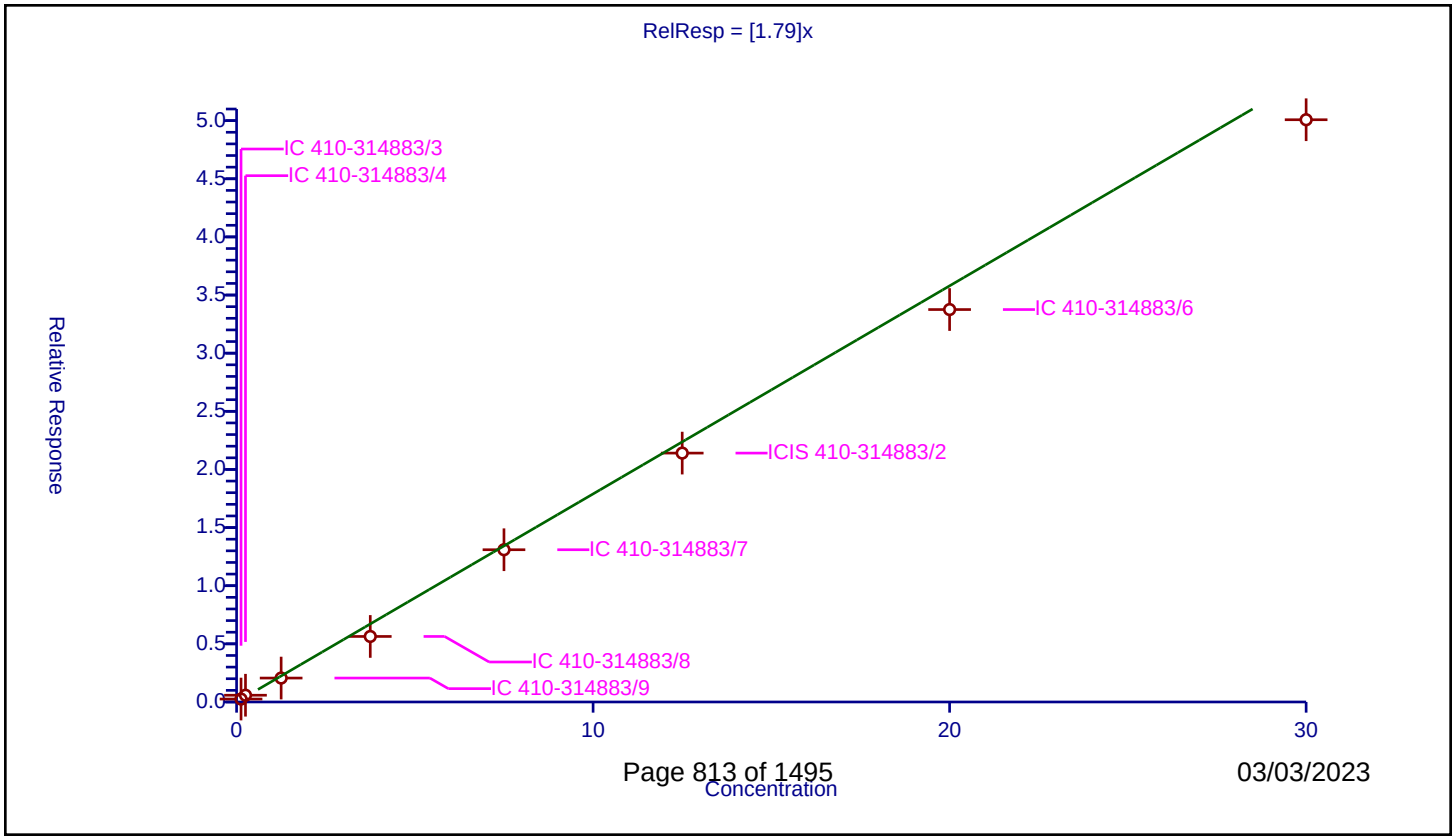
Curve Coefficients

Intercept:	0
Slope:	1.79

Error Coefficients

Standard Error:	580000
Relative Standard Error:	14.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.2534	5.0	116042.0	2.027197	Y
2	IC 410-314883/4	0.25	0.58098	5.0	112818.0	2.32392	Y
3	IC 410-314883/9	1.25	2.058326	5.0	121215.0	1.646661	Y
4	IC 410-314883/8	3.75	5.636984	5.0	116298.0	1.503196	Y
5	IC 410-314883/7	7.5	13.095123	5.0	113947.0	1.746016	Y
6	ICIS 410-314883/2	12.5	21.405714	5.0	123592.0	1.712457	Y
7	IC 410-314883/6	20.0	33.752053	5.0	116924.0	1.687603	Y
8	IC 410-314883/5	30.0	50.07751	5.0	115727.0	1.66925	Y



Calibration / N-Nitrosopyrrolidine

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

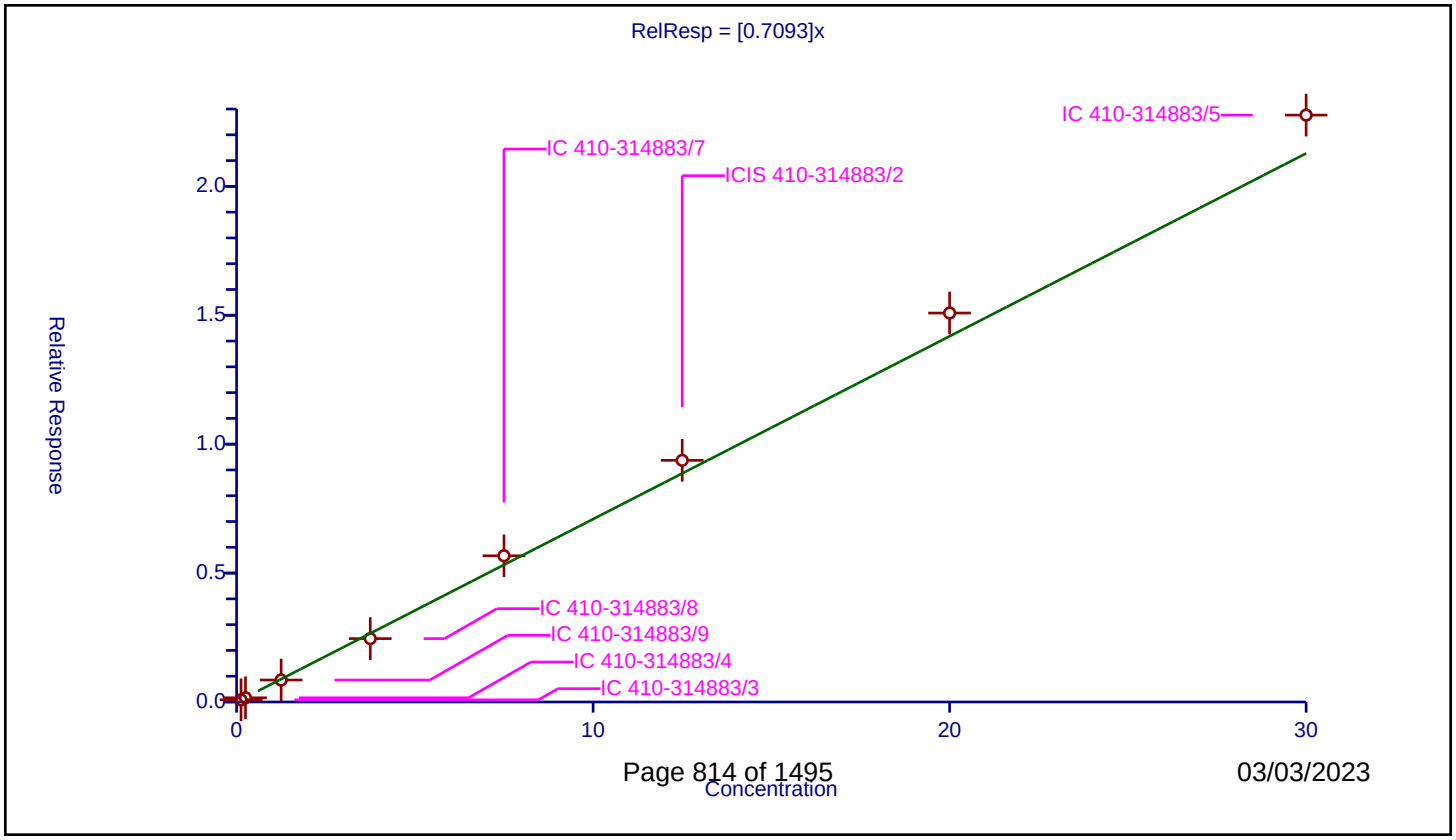
Curve Coefficients

Intercept:	0
Slope:	0.7093

Error Coefficients

Standard Error:	261000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.083289	5.0	116042.0	0.66631	Y
2	IC 410-314883/4	0.25	0.16305	5.0	112818.0	0.652201	Y
3	IC 410-314883/9	1.25	0.851504	5.0	121215.0	0.681203	Y
4	IC 410-314883/8	3.75	2.45791	5.0	116298.0	0.655443	Y
5	IC 410-314883/7	7.5	5.670443	5.0	113947.0	0.756059	Y
6	ICIS 410-314883/2	12.5	9.372573	5.0	123592.0	0.749806	Y
7	IC 410-314883/6	20.0	15.086595	5.0	116924.0	0.75433	Y
8	IC 410-314883/5	30.0	22.763789	5.0	115727.0	0.758793	Y



Calibration / 4-Methylphenol

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

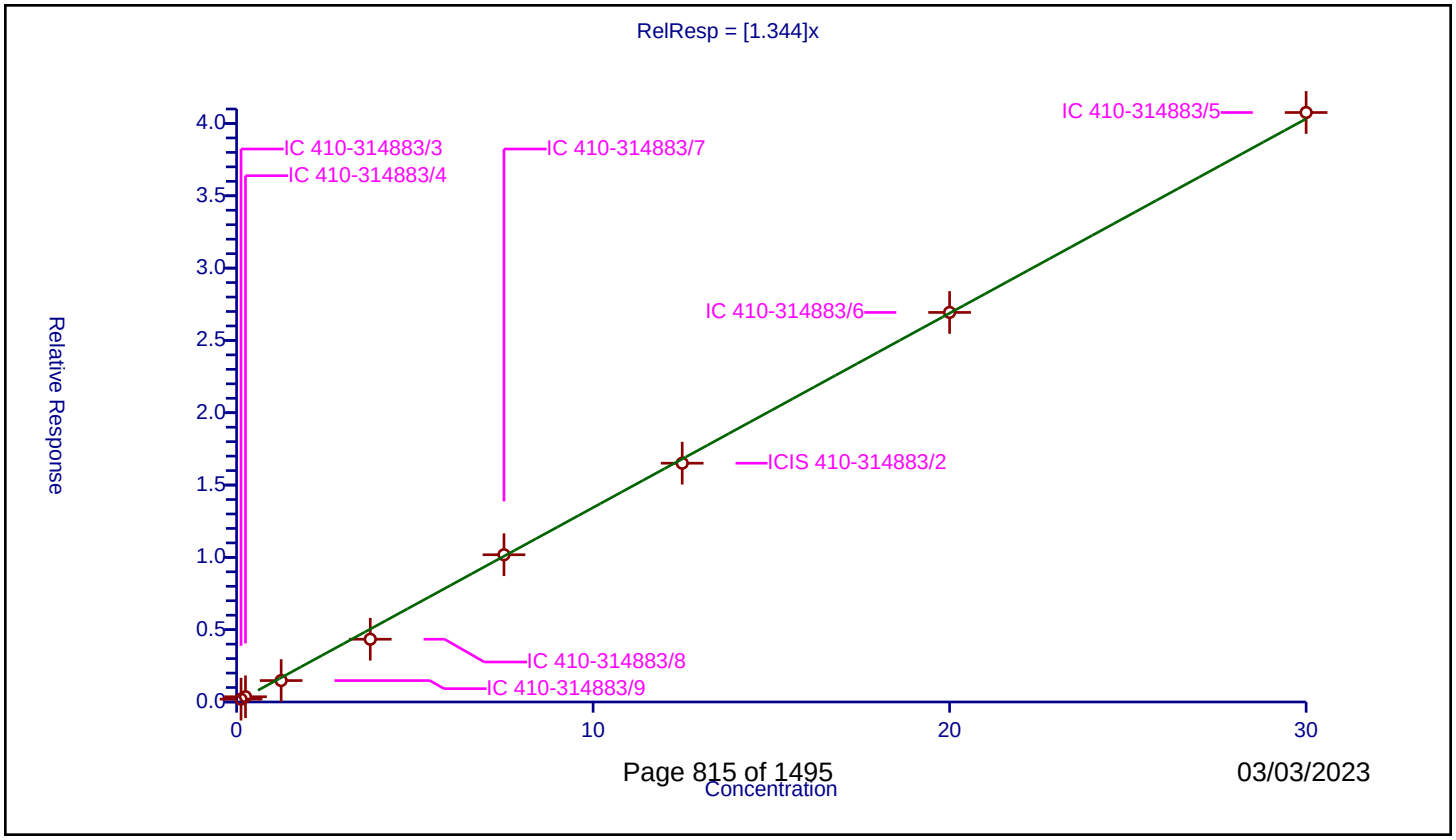
Curve Coefficients

Intercept:	0
Slope:	1.344

Error Coefficients

Standard Error:	466000
Relative Standard Error:	10.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.197127	5.0	116042.0	1.577015	Y
2	IC 410-314883/4	0.25	0.362442	5.0	112818.0	1.449769	Y
3	IC 410-314883/9	1.25	1.481706	5.0	121215.0	1.185365	Y
4	IC 410-314883/8	3.75	4.339971	5.0	116298.0	1.157326	Y
5	IC 410-314883/7	7.5	10.18004	5.0	113947.0	1.357339	Y
6	ICIS 410-314883/2	12.5	16.509928	5.0	123592.0	1.320794	Y
7	IC 410-314883/6	20.0	26.935916	5.0	116924.0	1.346796	Y
8	IC 410-314883/5	30.0	40.759157	5.0	115727.0	1.358639	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

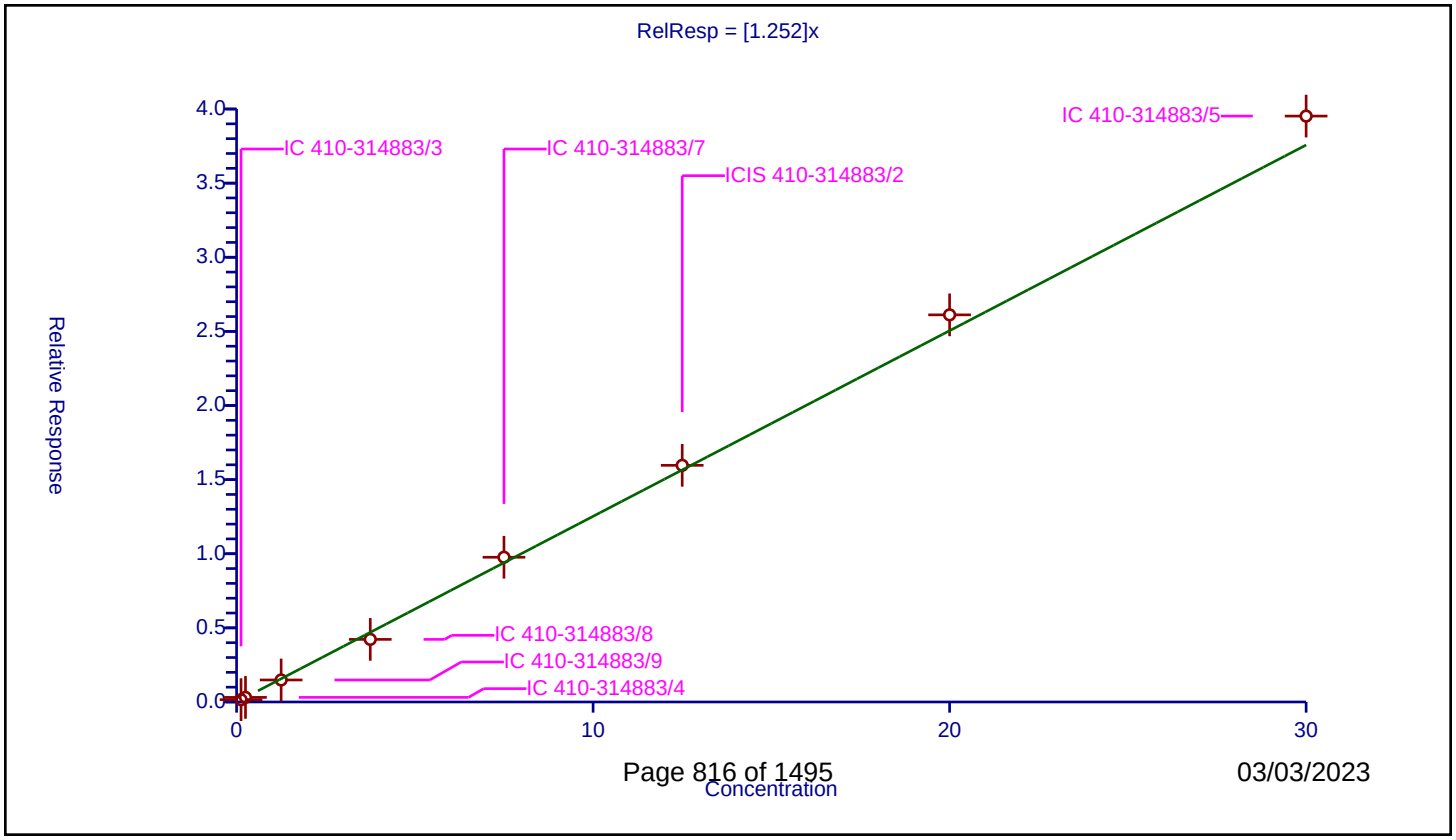
Curve Coefficients

Intercept:	0
Slope:	1.252

Error Coefficients

Standard Error:	451000
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 410-314883/3	0.125	0.157486	5.0	116042.0	1.259889	Y
2	IC 410-314883/4	0.25	0.310722	5.0	112818.0	1.242887	Y
3	IC 410-314883/9	1.25	1.48513	5.0	121215.0	1.188104	Y
4	IC 410-314883/8	3.75	4.223374	5.0	116298.0	1.126233	Y
5	IC 410-314883/7	7.5	9.763179	5.0	113947.0	1.301757	Y
6	ICIS 410-314883/2	12.5	15.963736	5.0	123592.0	1.277099	Y
7	IC 410-314883/6	20.0	26.115254	5.0	116924.0	1.305763	Y
8	IC 410-314883/5	30.0	39.522843	5.0	115727.0	1.317428	Y



Calibration / Acetophenone

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

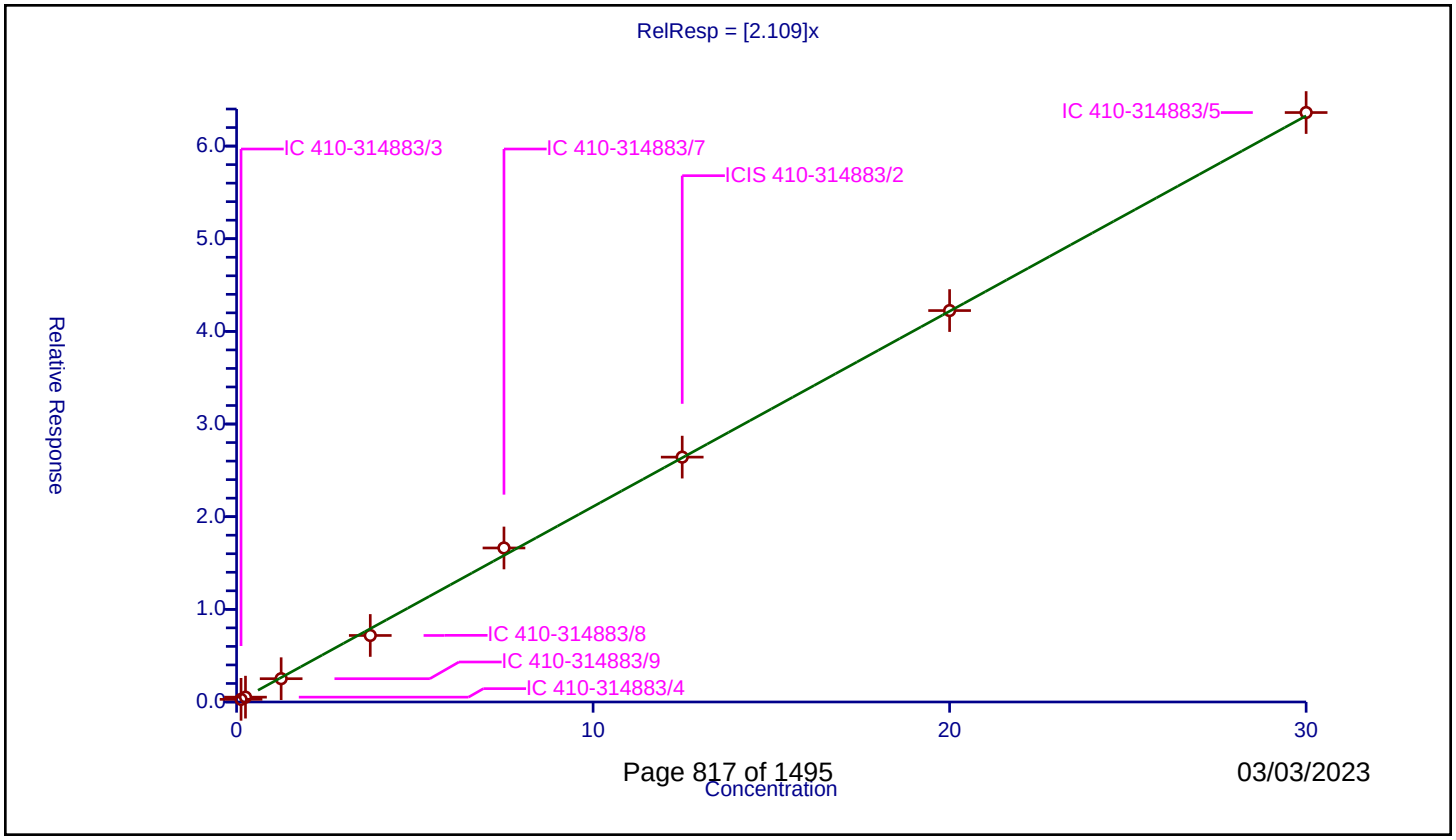
Curve Coefficients

Intercept:	0
Slope:	2.109

Error Coefficients

Standard Error:	732000
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 410-314883/3	0.125	0.286965	5.0	116042.0	2.295721	Y
2	IC 410-314883/4	0.25	0.521105	5.0	112818.0	2.084419	Y
3	IC 410-314883/9	1.25	2.514953	5.0	121215.0	2.011962	Y
4	IC 410-314883/8	3.75	7.179745	5.0	116298.0	1.914599	Y
5	IC 410-314883/7	7.5	16.623211	5.0	113947.0	2.216428	Y
6	ICIS 410-314883/2	12.5	26.428248	5.0	123592.0	2.11426	Y
7	IC 410-314883/6	20.0	42.246801	5.0	116924.0	2.11234	Y
8	IC 410-314883/5	30.0	63.621281	5.0	115727.0	2.120709	Y



Calibration / N-Nitrosomorpholine

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

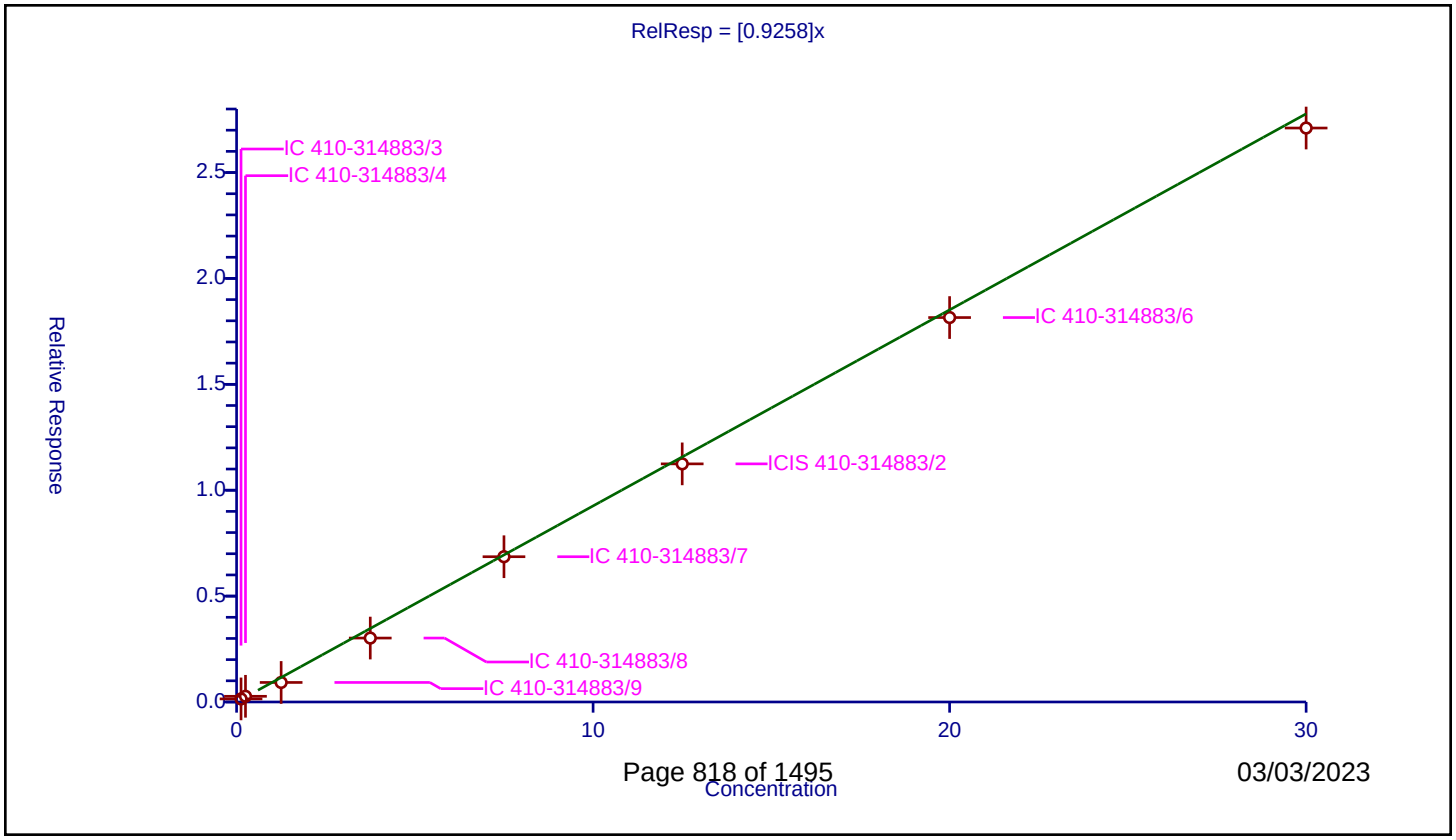
Curve Coefficients

Intercept:	0
Slope:	0.9258

Error Coefficients

Standard Error:	312000
Relative Standard Error:	14.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.145508	5.0	116042.0	1.164061	Y
2	IC 410-314883/4	0.25	0.268574	5.0	112818.0	1.074297	Y
3	IC 410-314883/9	1.25	0.922039	5.0	121215.0	0.737631	Y
4	IC 410-314883/8	3.75	3.018453	5.0	116298.0	0.804921	Y
5	IC 410-314883/7	7.5	6.859505	5.0	113947.0	0.914601	Y
6	ICIS 410-314883/2	12.5	11.244377	5.0	123592.0	0.89955	Y
7	IC 410-314883/6	20.0	18.153202	5.0	116924.0	0.90766	Y
8	IC 410-314883/5	30.0	27.102707	5.0	115727.0	0.903424	Y



Calibration / 2-Toluidine

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

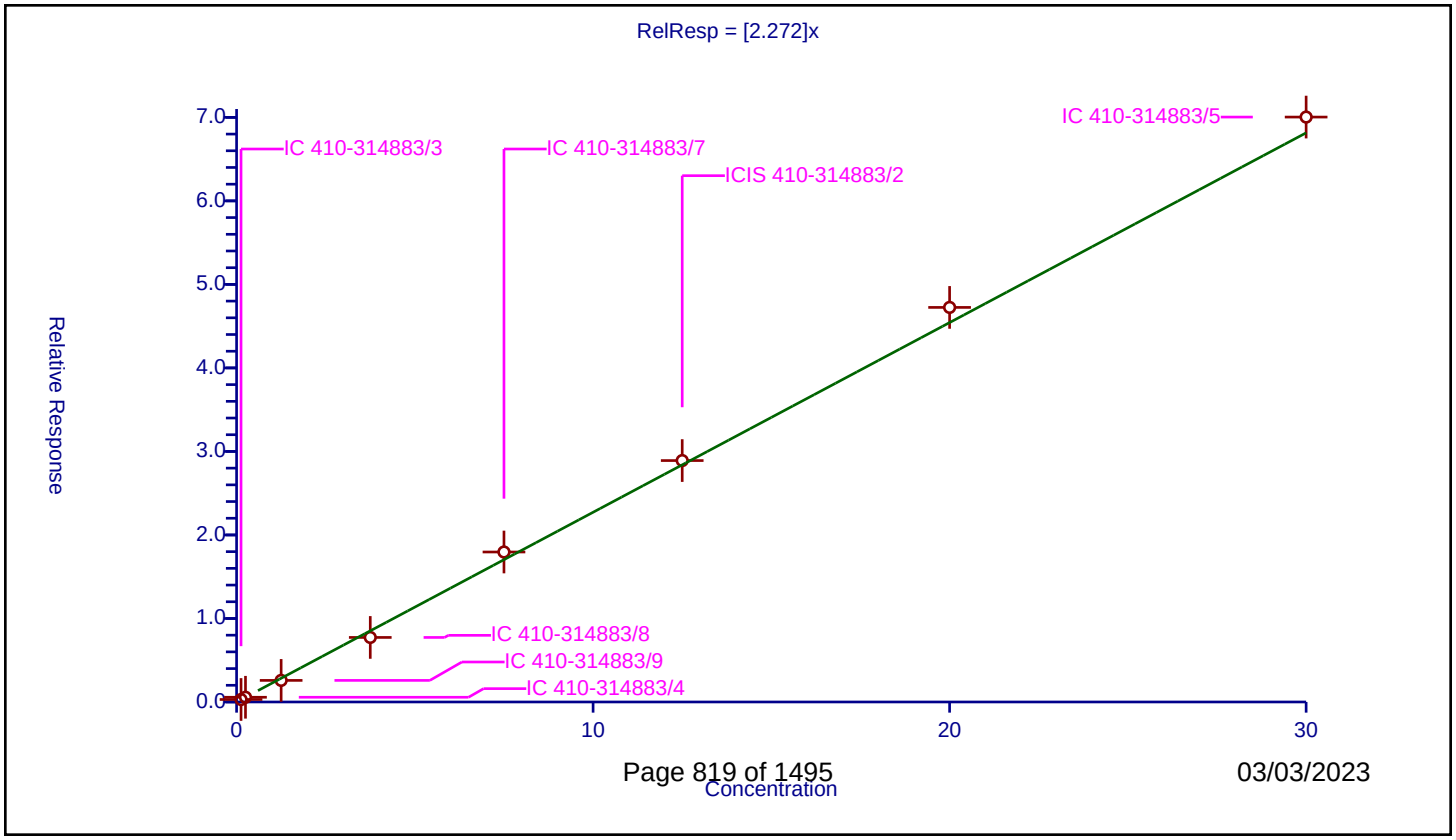
Curve Coefficients

Intercept:	0
Slope:	2.272

Error Coefficients

Standard Error:	807000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.297263	5.0	116042.0	2.378104	Y
2	IC 410-314883/4	0.25	0.565202	5.0	112818.0	2.260809	Y
3	IC 410-314883/9	1.25	2.585612	5.0	121215.0	2.06849	Y
4	IC 410-314883/8	3.75	7.728336	5.0	116298.0	2.06089	Y
5	IC 410-314883/7	7.5	17.959841	5.0	113947.0	2.394645	Y
6	ICIS 410-314883/2	12.5	28.907089	5.0	123592.0	2.312567	Y
7	IC 410-314883/6	20.0	47.24338	5.0	116924.0	2.362169	Y
8	IC 410-314883/5	30.0	70.035342	5.0	115727.0	2.334511	Y



03/03/2023

Calibration / Hexachloroethane

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

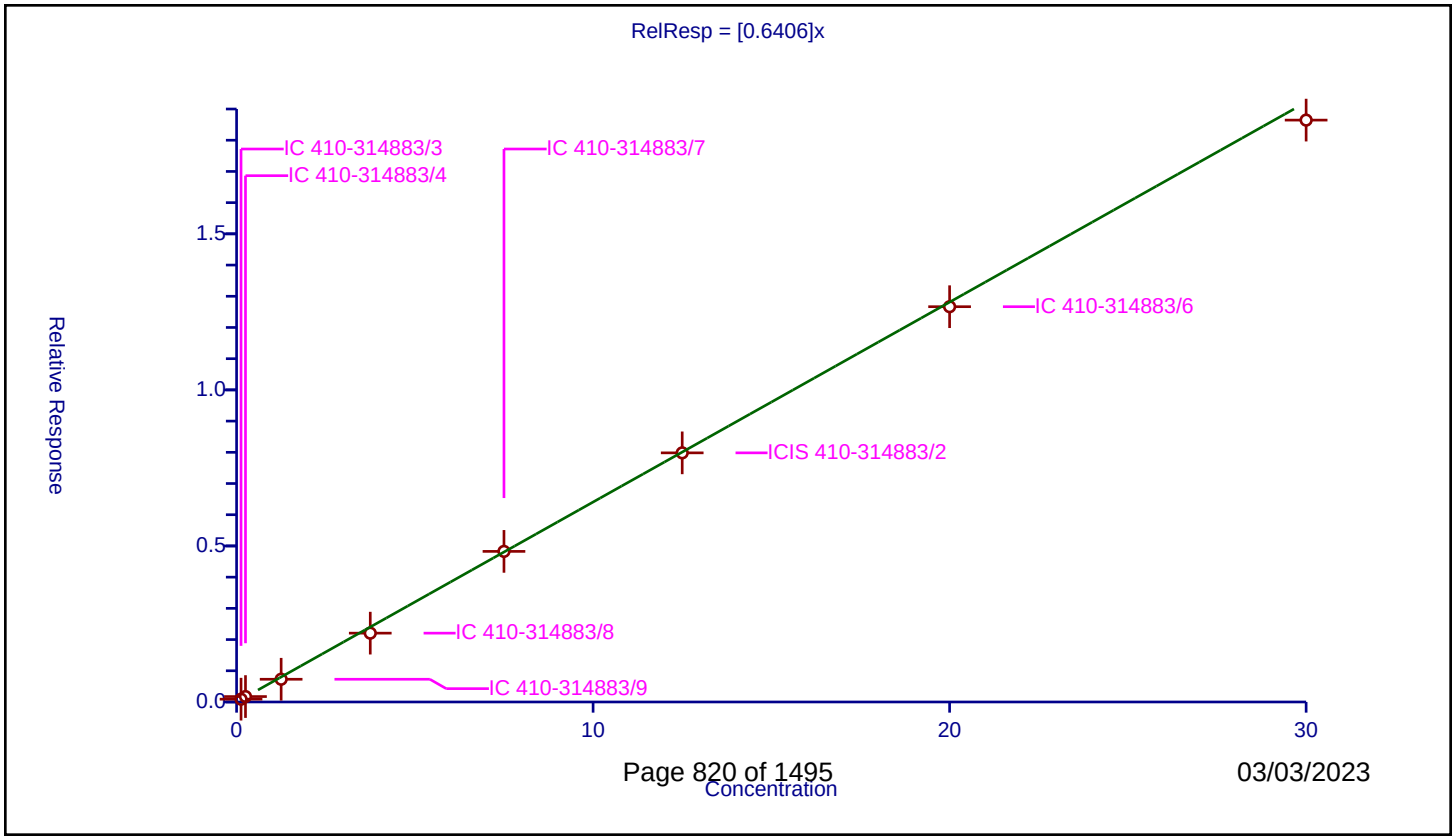
Curve Coefficients

Intercept:	0
Slope:	0.6406

Error Coefficients

Standard Error:	216000
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 410-314883/3	0.125	0.09014	5.0	116042.0	0.721118	Y
2	IC 410-314883/4	0.25	0.173997	5.0	112818.0	0.695988	Y
3	IC 410-314883/9	1.25	0.72854	5.0	121215.0	0.582832	Y
4	IC 410-314883/8	3.75	2.205713	5.0	116298.0	0.58819	Y
5	IC 410-314883/7	7.5	4.825138	5.0	113947.0	0.643352	Y
6	ICIS 410-314883/2	12.5	7.982515	5.0	123592.0	0.638601	Y
7	IC 410-314883/6	20.0	12.665535	5.0	116924.0	0.633277	Y
8	IC 410-314883/5	30.0	18.644266	5.0	115727.0	0.621476	Y



Calibration / Nitrobenzene-d5

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

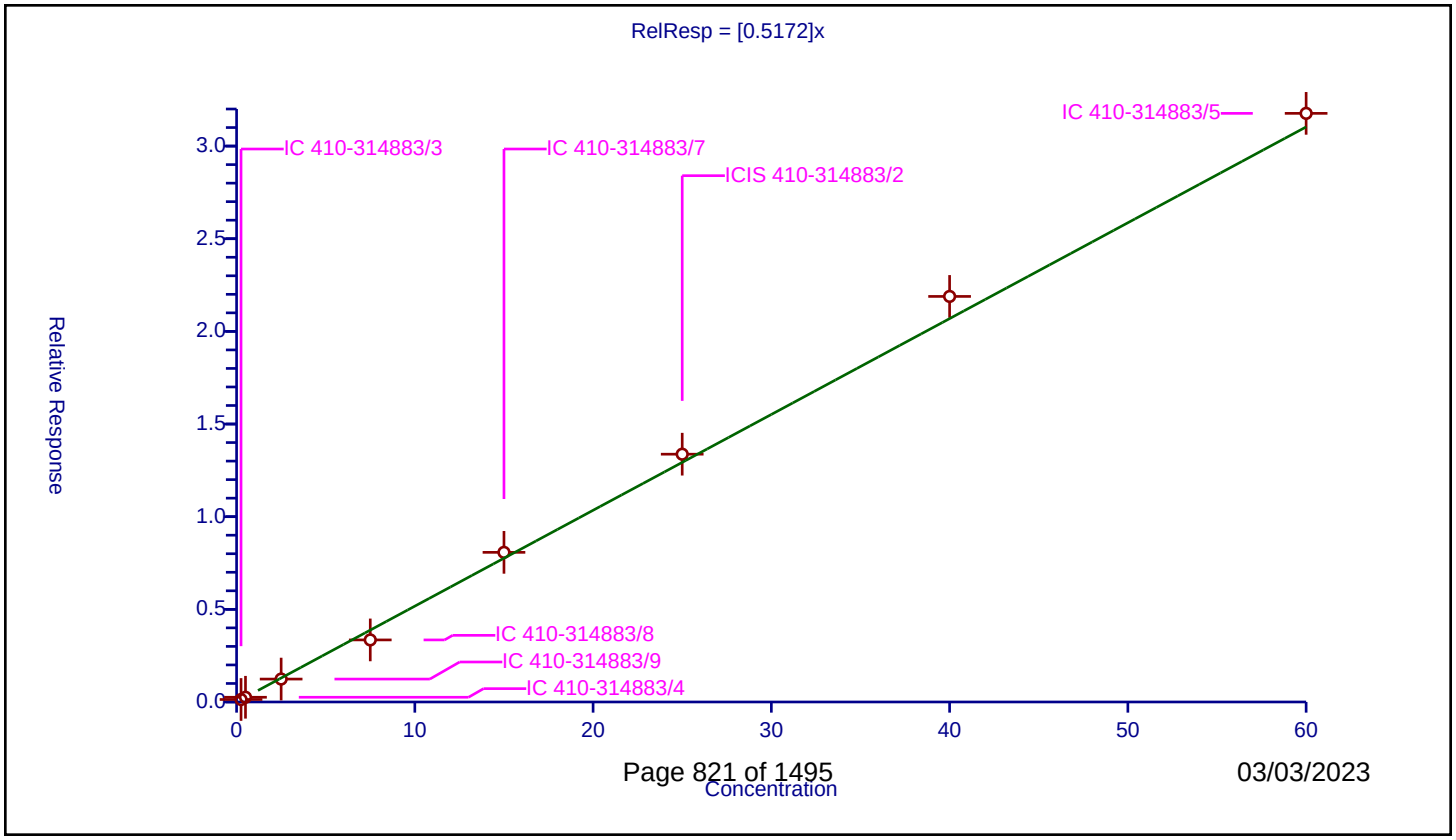
Curve Coefficients

Intercept:	0
Slope:	0.5172

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.25	0.133963	5.0	395445.0	0.535852	Y
2	IC 410-314883/4	0.5	0.255479	5.0	386823.0	0.510957	Y
3	IC 410-314883/9	2.5	1.236267	5.0	428633.0	0.494507	Y
4	IC 410-314883/8	7.5	3.349712	5.0	429637.0	0.446628	Y
5	IC 410-314883/7	15.0	8.075412	5.0	398771.0	0.538361	Y
6	ICIS 410-314883/2	25.0	13.372411	5.0	422146.0	0.534896	Y
7	IC 410-314883/6	40.0	21.886309	5.0	398580.0	0.547158	Y
8	IC 410-314883/5	60.0	31.764718	5.0	401747.0	0.529412	Y



Calibration / Nitrobenzene

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

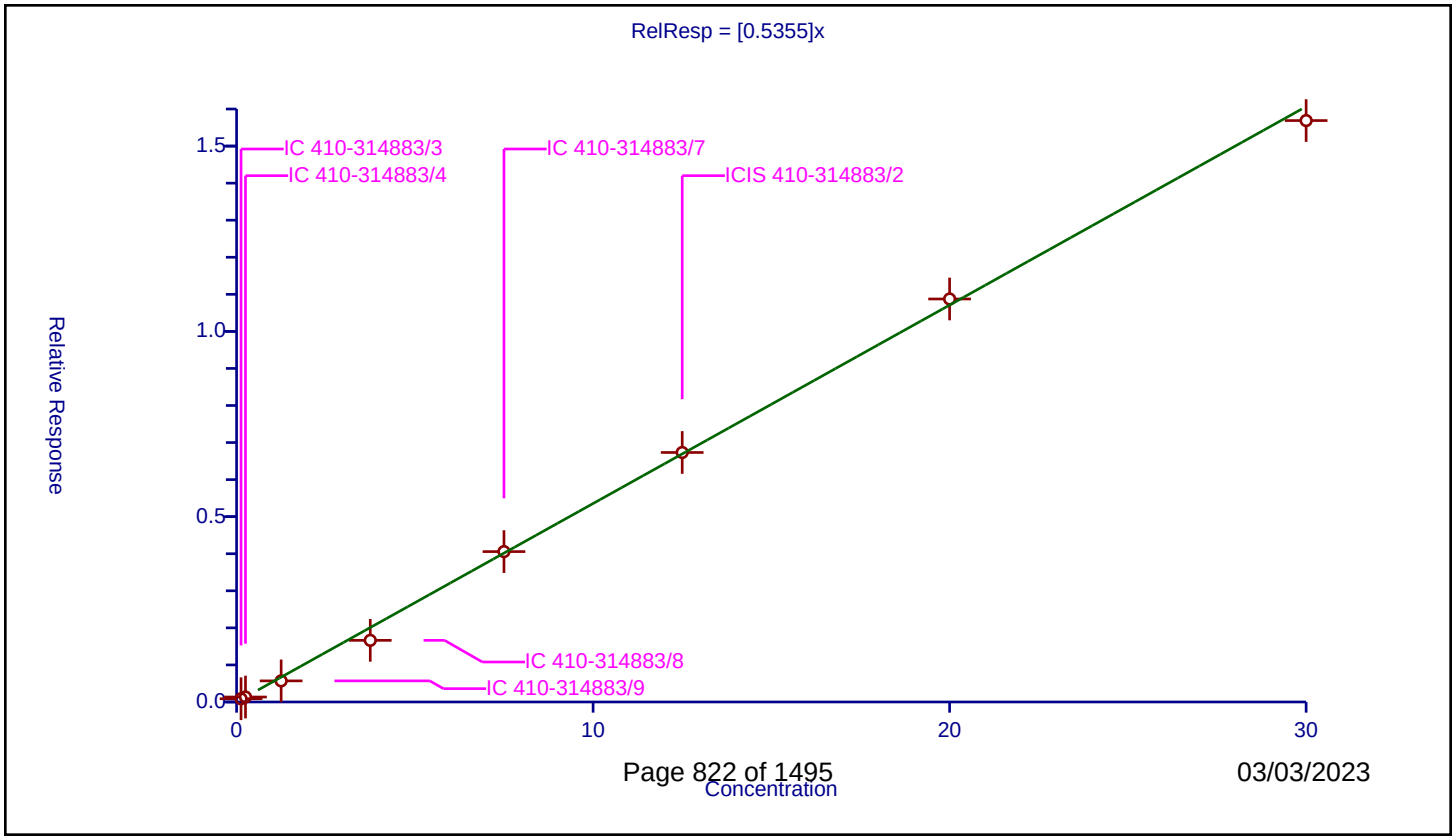
Curve Coefficients

Intercept:	0
Slope:	0.5355

Error Coefficients

Standard Error:	631000
Relative Standard Error:	14.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.08761	5.0	395445.0	0.700881	Y
2	IC 410-314883/4	0.25	0.134441	5.0	386823.0	0.537765	Y
3	IC 410-314883/9	1.25	0.569532	5.0	428633.0	0.455625	Y
4	IC 410-314883/8	3.75	1.663009	5.0	429637.0	0.443469	Y
5	IC 410-314883/7	7.5	4.058068	5.0	398771.0	0.541076	Y
6	ICIS 410-314883/2	12.5	6.732422	5.0	422146.0	0.538594	Y
7	IC 410-314883/6	20.0	10.873664	5.0	398580.0	0.543683	Y
8	IC 410-314883/5	30.0	15.688281	5.0	401747.0	0.522943	Y



03/03/2023

Calibration / N-Nitrosopiperidine

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

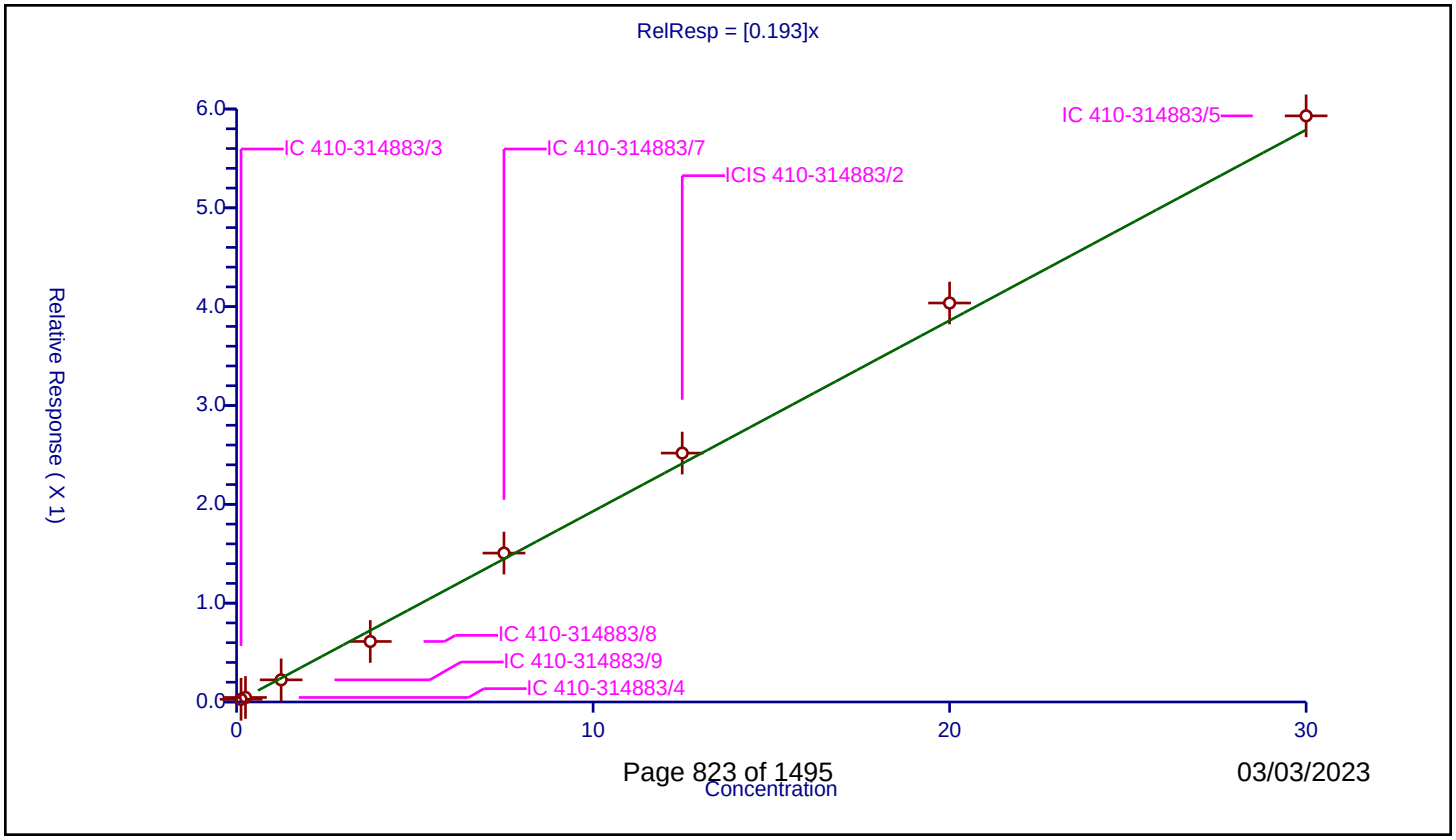
Curve Coefficients

Intercept:	0
Slope:	0.193

Error Coefficients

Standard Error:	237000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.027109	5.0	395445.0	0.21687	Y
2	IC 410-314883/4	0.25	0.04568	5.0	386823.0	0.182719	Y
3	IC 410-314883/9	1.25	0.223991	5.0	428633.0	0.179193	Y
4	IC 410-314883/8	3.75	0.612261	5.0	429637.0	0.16327	Y
5	IC 410-314883/7	7.5	1.506579	5.0	398771.0	0.200877	Y
6	ICIS 410-314883/2	12.5	2.518418	5.0	422146.0	0.201473	Y
7	IC 410-314883/6	20.0	4.037019	5.0	398580.0	0.201851	Y
8	IC 410-314883/5	30.0	5.930623	5.0	401747.0	0.197687	Y



Calibration / Isophorone

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

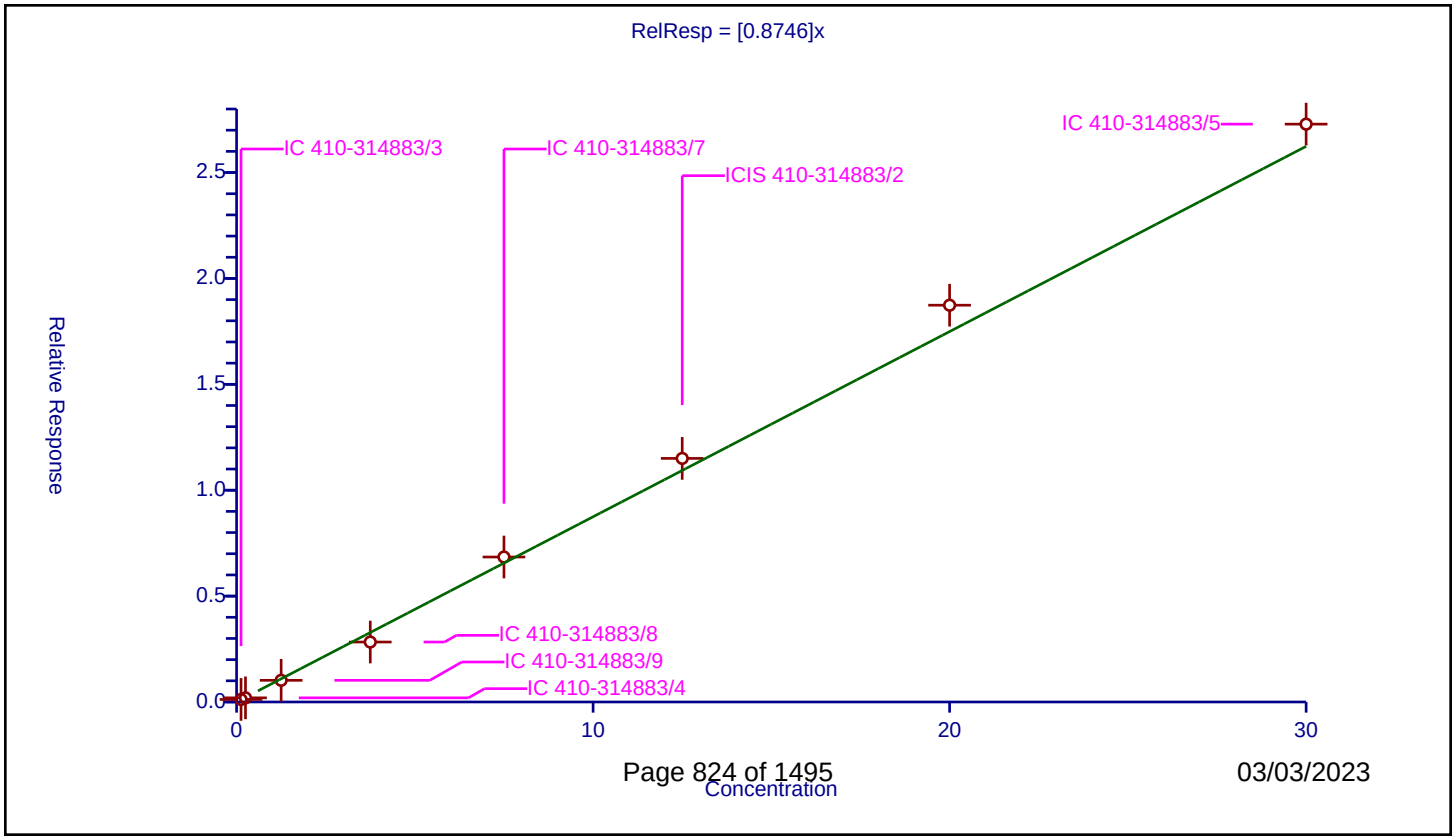
Curve Coefficients

Intercept:	0
Slope:	0.8746

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.120219	5.0	395445.0	0.961752	Y
2	IC 410-314883/4	0.25	0.195542	5.0	386823.0	0.782167	Y
3	IC 410-314883/9	1.25	1.022985	5.0	428633.0	0.818388	Y
4	IC 410-314883/8	3.75	2.831216	5.0	429637.0	0.754991	Y
5	IC 410-314883/7	7.5	6.845056	5.0	398771.0	0.912674	Y
6	ICIS 410-314883/2	12.5	11.501743	5.0	422146.0	0.920139	Y
7	IC 410-314883/6	20.0	18.735938	5.0	398580.0	0.936797	Y
8	IC 410-314883/5	30.0	27.286514	5.0	401747.0	0.90955	Y



Calibration / 2-Nitrophenol

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

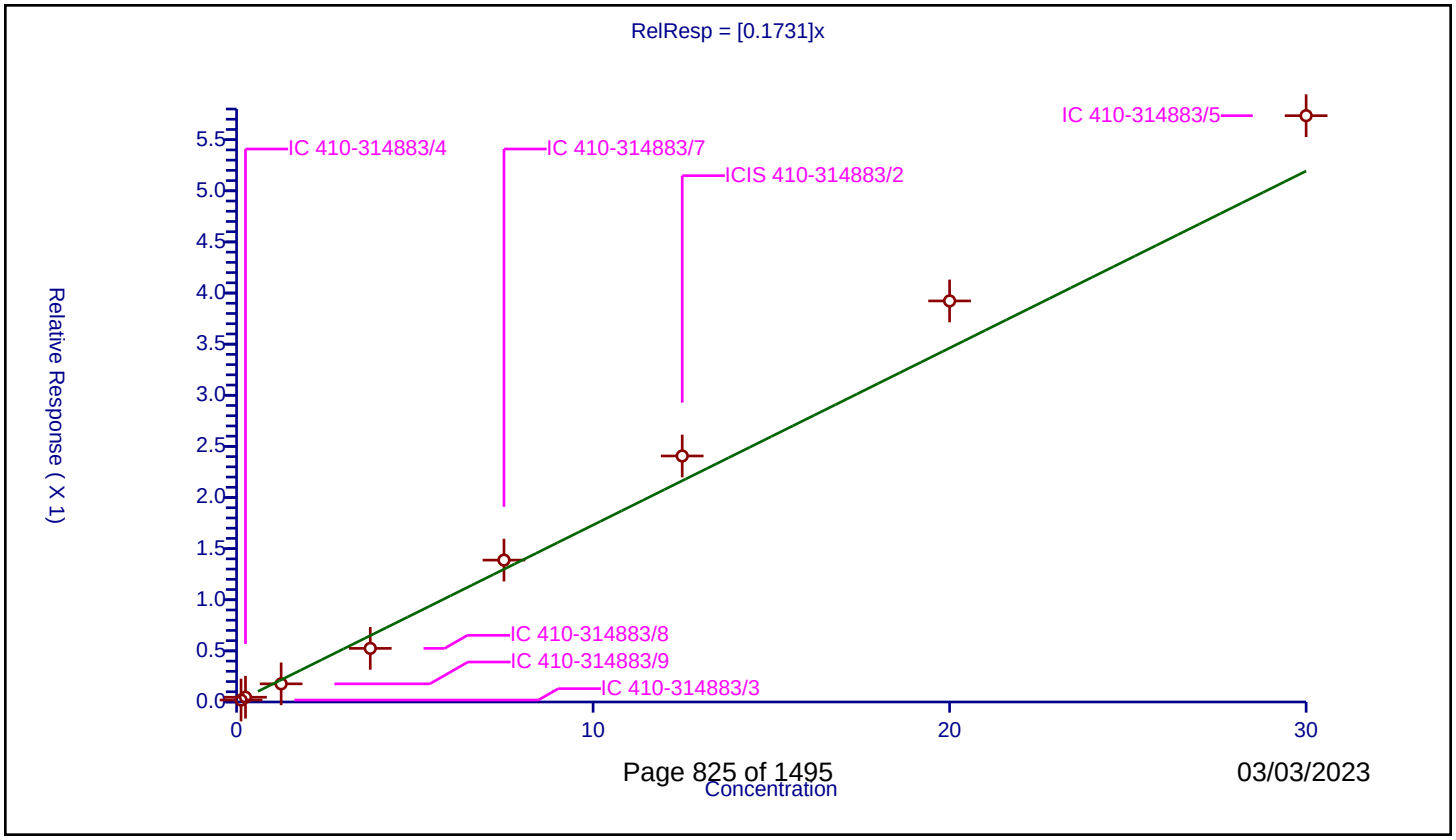
Curve Coefficients

Intercept:	0
Slope:	0.1731

Error Coefficients

Standard Error:	229000
Relative Standard Error:	13.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.019042	5.0	395445.0	0.152335	Y
2	IC 410-314883/4	0.25	0.046455	5.0	386823.0	0.185821	Y
3	IC 410-314883/9	1.25	0.177518	5.0	428633.0	0.142014	Y
4	IC 410-314883/8	3.75	0.524443	5.0	429637.0	0.139851	Y
5	IC 410-314883/7	7.5	1.387852	5.0	398771.0	0.185047	Y
6	ICIS 410-314883/2	12.5	2.406205	5.0	422146.0	0.192496	Y
7	IC 410-314883/6	20.0	3.922726	5.0	398580.0	0.196136	Y
8	IC 410-314883/5	30.0	5.734878	5.0	401747.0	0.191163	Y



Calibration / 2,4-Dimethylphenol

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

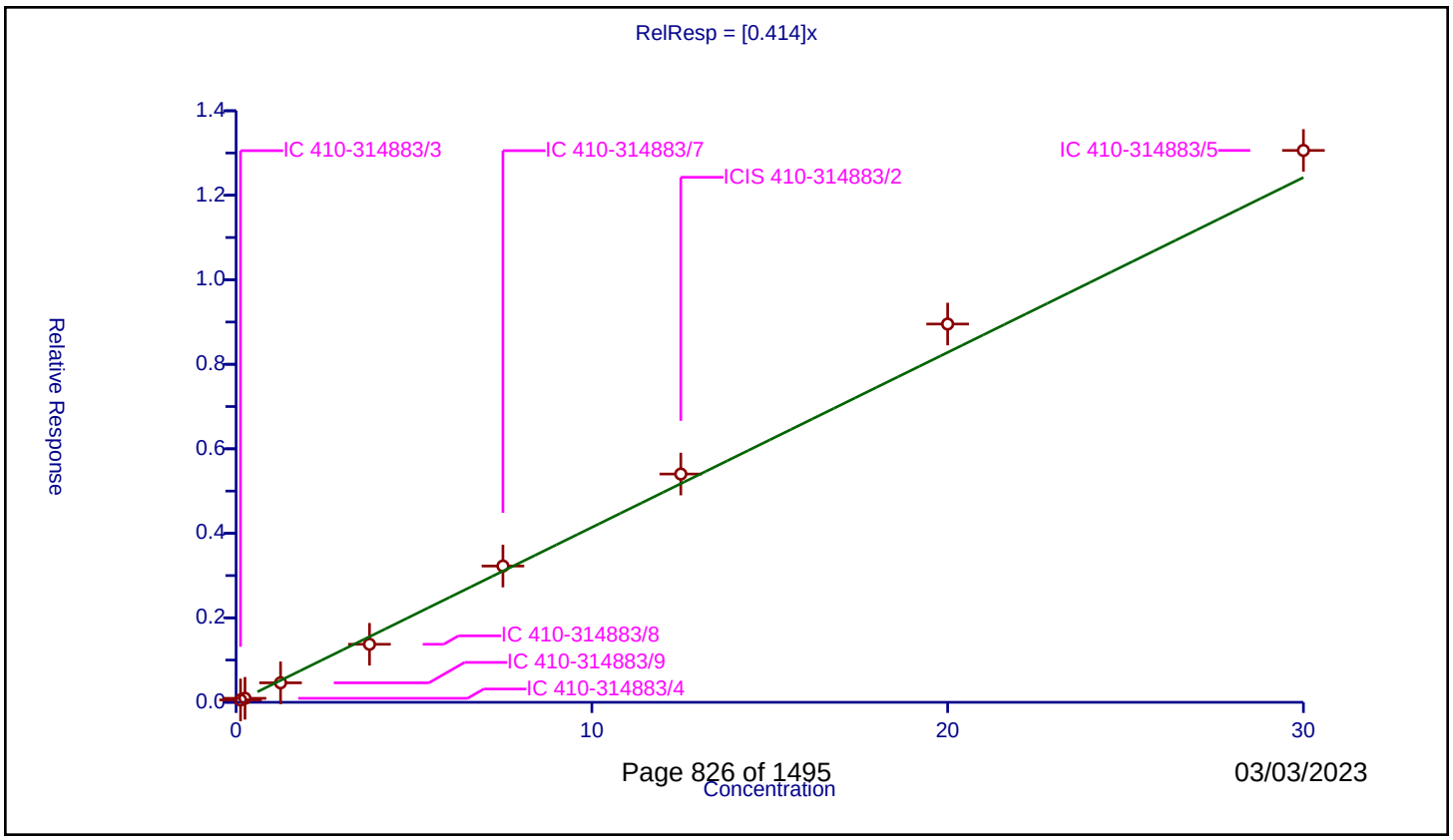
Curve Coefficients

Intercept:	0
Slope:	0.414

Error Coefficients

Standard Error:	521000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.056557	5.0	395445.0	0.452452	Y
2	IC 410-314883/4	0.25	0.094798	5.0	386823.0	0.379192	Y
3	IC 410-314883/9	1.25	0.461409	5.0	428633.0	0.369127	Y
4	IC 410-314883/8	3.75	1.373706	5.0	429637.0	0.366322	Y
5	IC 410-314883/7	7.5	3.224883	5.0	398771.0	0.429984	Y
6	ICIS 410-314883/2	12.5	5.40261	5.0	422146.0	0.432209	Y
7	IC 410-314883/6	20.0	8.952343	5.0	398580.0	0.447617	Y
8	IC 410-314883/5	30.0	13.06072	5.0	401747.0	0.435357	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

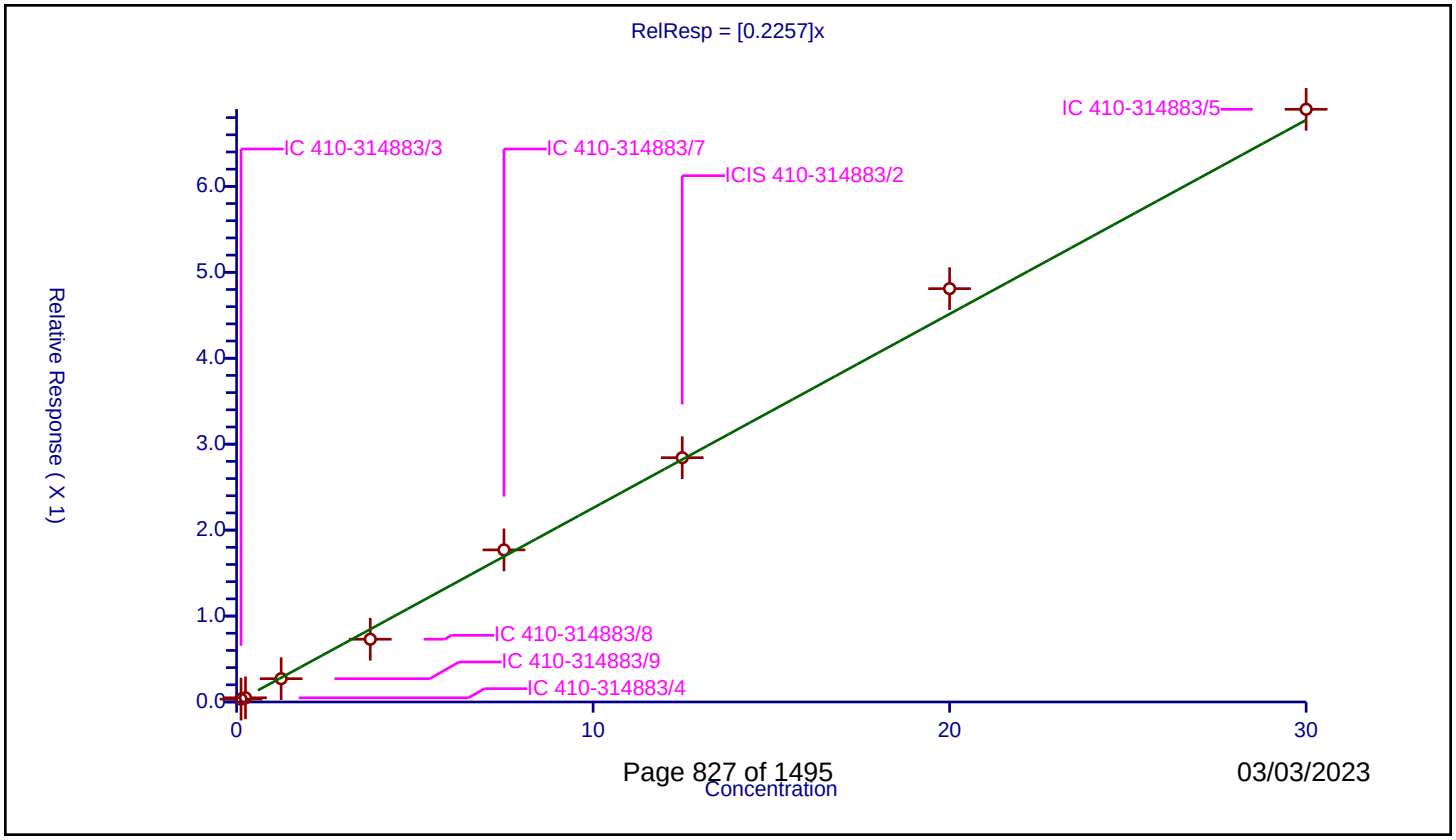
Curve Coefficients

Intercept:	0
Slope:	0.2257

Error Coefficients

Standard Error:	277000
Relative Standard Error:	10.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.033216	5.0	395445.0	0.265726	Y
2	IC 410-314883/4	0.25	0.048743	5.0	386823.0	0.194973	Y
3	IC 410-314883/9	1.25	0.271001	5.0	428633.0	0.216801	Y
4	IC 410-314883/8	3.75	0.730186	5.0	429637.0	0.194716	Y
5	IC 410-314883/7	7.5	1.769838	5.0	398771.0	0.235978	Y
6	ICIS 410-314883/2	12.5	2.842701	5.0	422146.0	0.227416	Y
7	IC 410-314883/6	20.0	4.80975	5.0	398580.0	0.240487	Y
8	IC 410-314883/5	30.0	6.896617	5.0	401747.0	0.229887	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

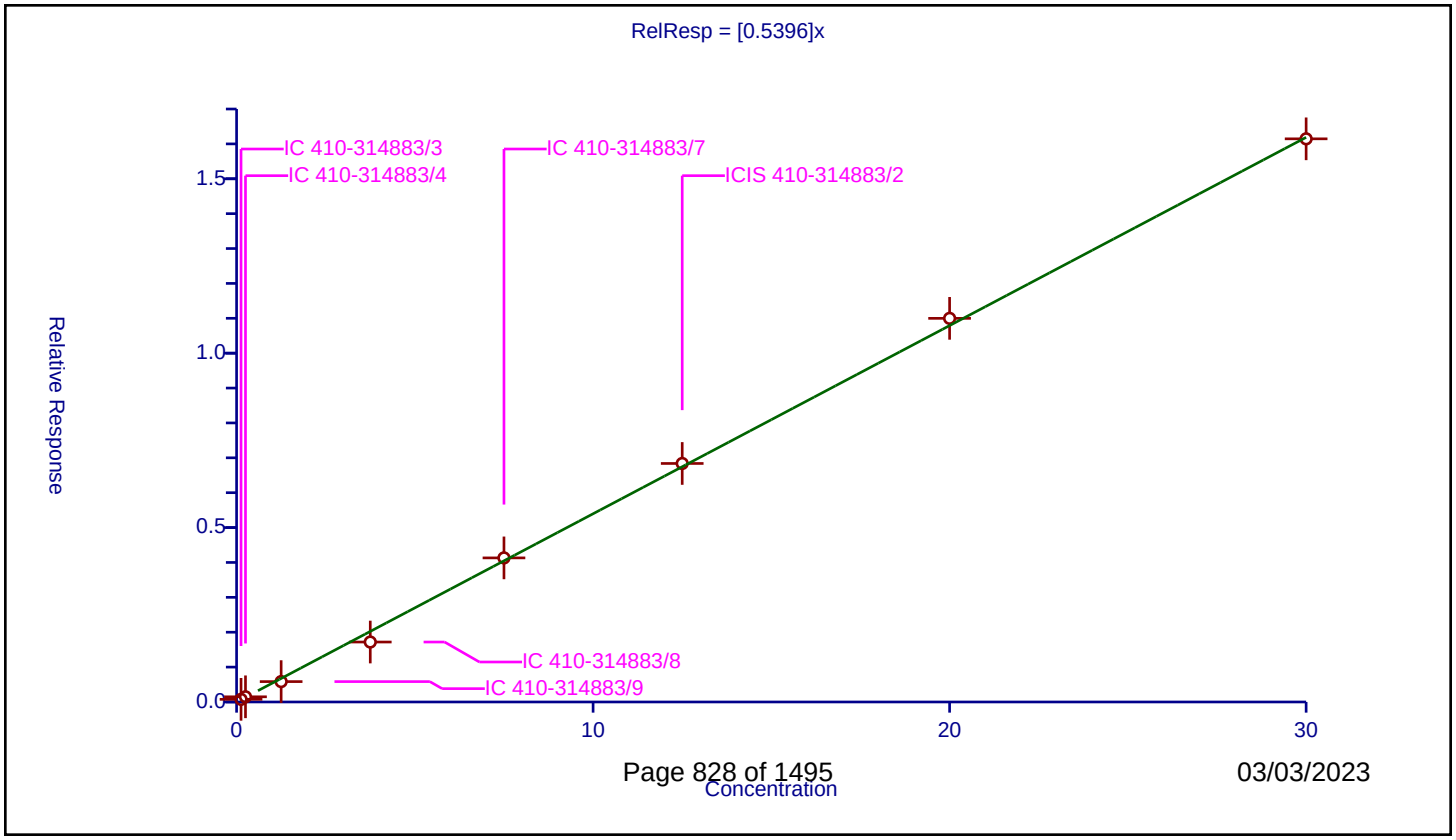
Curve Coefficients

Intercept:	0
Slope:	0.5396

Error Coefficients

Standard Error:	646000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.076193	5.0	395445.0	0.609541	Y
2	IC 410-314883/4	0.25	0.148841	5.0	386823.0	0.595363	Y
3	IC 410-314883/9	1.25	0.584369	5.0	428633.0	0.467496	Y
4	IC 410-314883/8	3.75	1.718707	5.0	429637.0	0.458322	Y
5	IC 410-314883/7	7.5	4.131268	5.0	398771.0	0.550836	Y
6	ICIS 410-314883/2	12.5	6.837848	5.0	422146.0	0.547028	Y
7	IC 410-314883/6	20.0	10.998419	5.0	398580.0	0.549921	Y
8	IC 410-314883/5	30.0	16.145049	5.0	401747.0	0.538168	Y



03/03/2023

Calibration / 2,4-Dichlorophenol

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

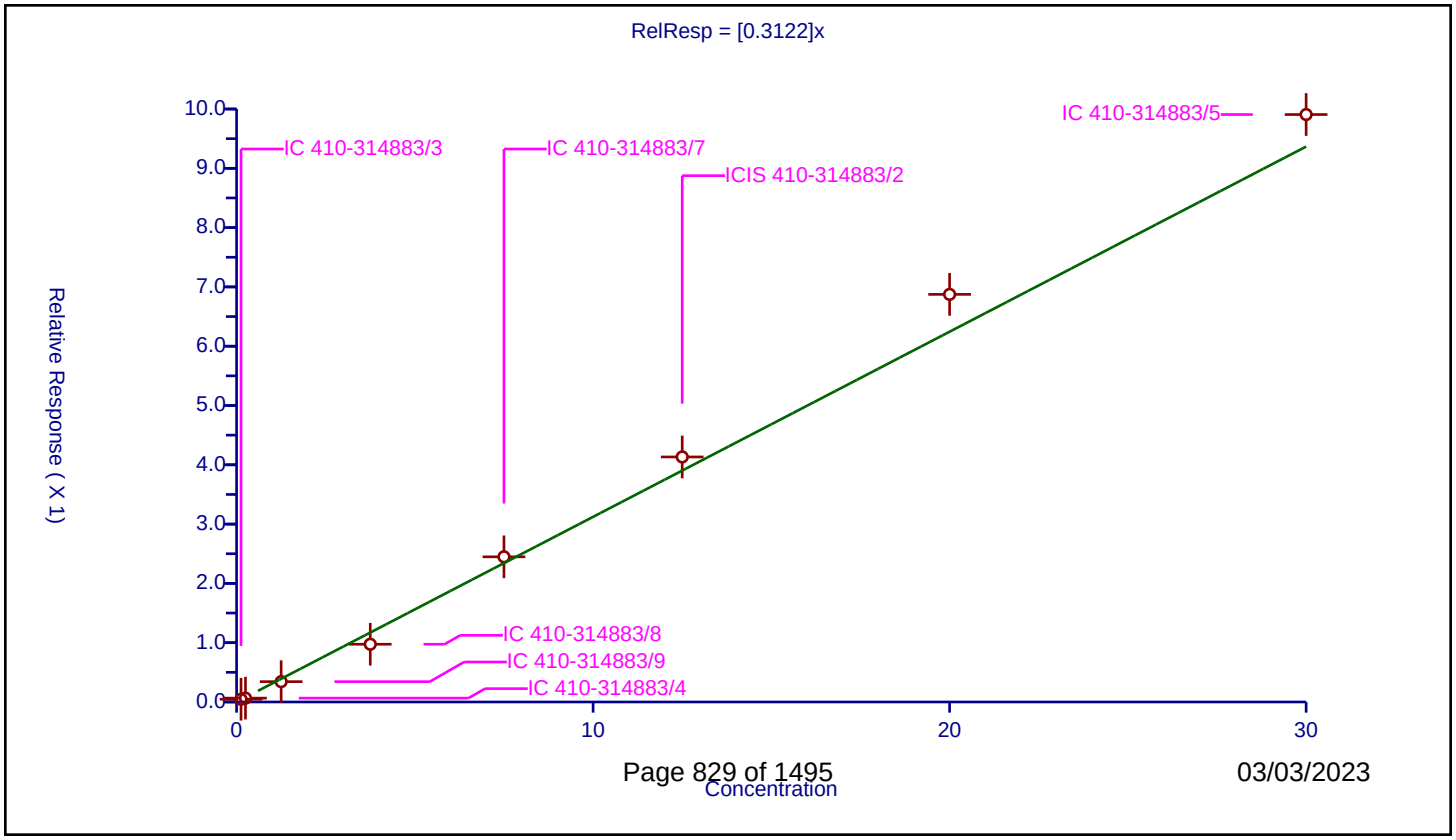
Curve Coefficients

Intercept:	0
Slope:	0.3122

Error Coefficients

Standard Error:	397000
Relative Standard Error:	13.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.046543	5.0	395445.0	0.37234	Y
2	IC 410-314883/4	0.25	0.065107	5.0	386823.0	0.260429	Y
3	IC 410-314883/9	1.25	0.342904	5.0	428633.0	0.274323	Y
4	IC 410-314883/8	3.75	0.973904	5.0	429637.0	0.259708	Y
5	IC 410-314883/7	7.5	2.447846	5.0	398771.0	0.326379	Y
6	ICIS 410-314883/2	12.5	4.132338	5.0	422146.0	0.330587	Y
7	IC 410-314883/6	20.0	6.873852	5.0	398580.0	0.343693	Y
8	IC 410-314883/5	30.0	9.906894	5.0	401747.0	0.33023	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

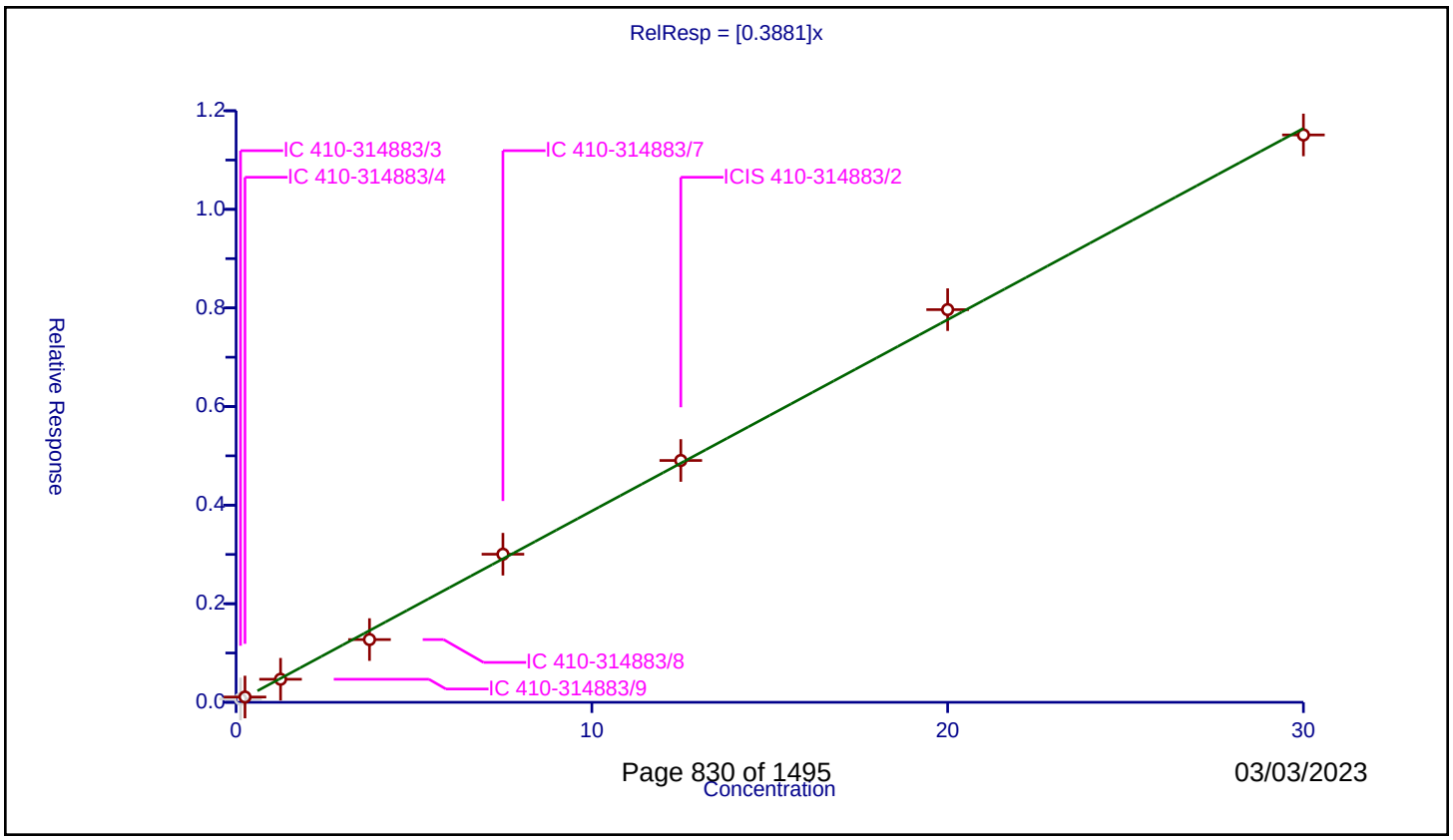
Curve Coefficients

Intercept:	0
Slope:	0.3881

Error Coefficients

Standard Error:	500000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.068429	5.0	395445.0	0.547434	N
2	IC 410-314883/4	0.25	0.107064	5.0	386823.0	0.428258	Y
3	IC 410-314883/9	1.25	0.467475	5.0	428633.0	0.37398	Y
4	IC 410-314883/8	3.75	1.272854	5.0	429637.0	0.339428	Y
5	IC 410-314883/7	7.5	3.004318	5.0	398771.0	0.400576	Y
6	ICIS 410-314883/2	12.5	4.905566	5.0	422146.0	0.392445	Y
7	IC 410-314883/6	20.0	7.965565	5.0	398580.0	0.398278	Y
8	IC 410-314883/5	30.0	11.50947	5.0	401747.0	0.383649	Y



Calibration / Naphthalene

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

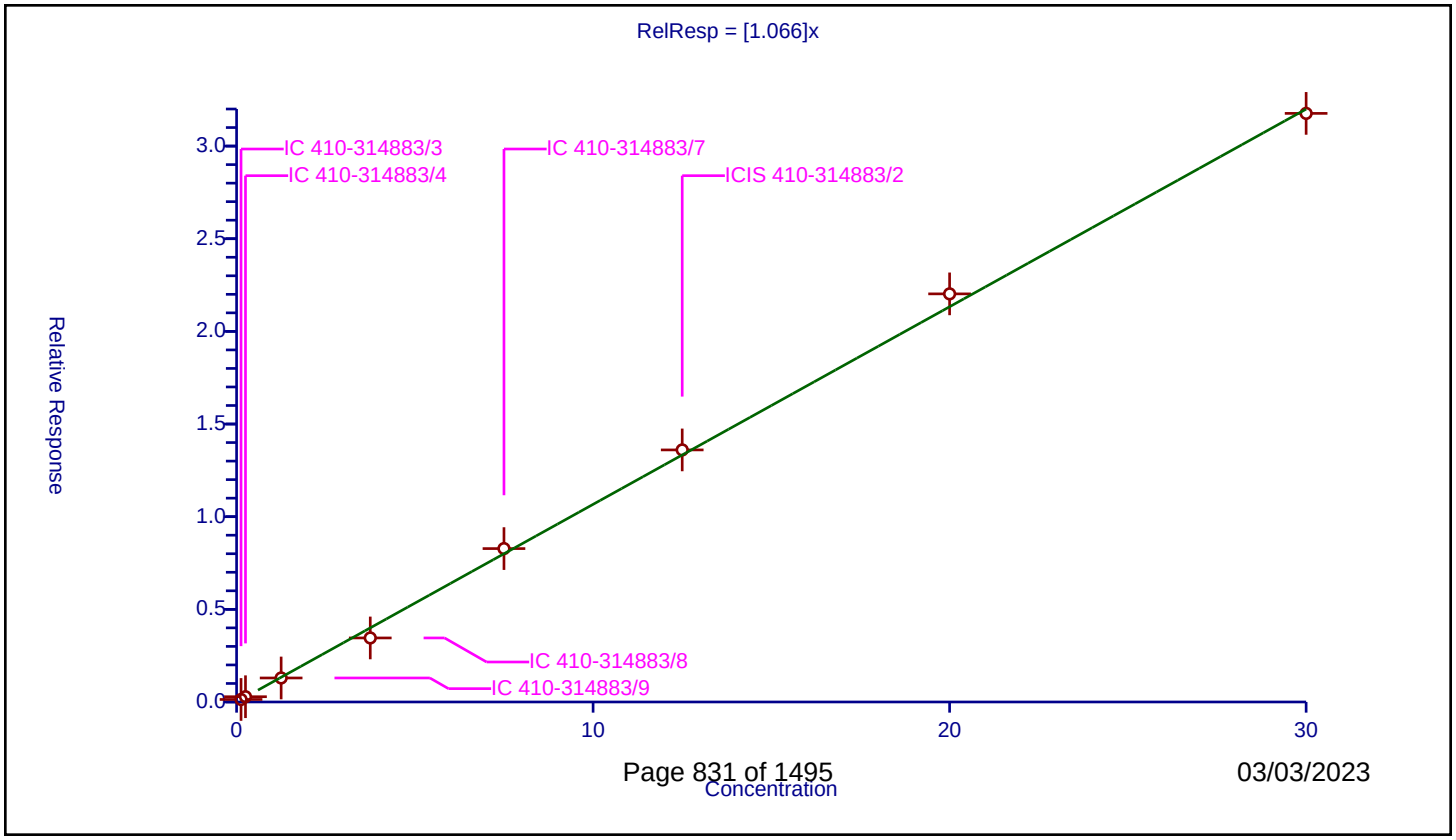
Curve Coefficients

Intercept:	0
Slope:	1.066

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.135581	5.0	395445.0	1.084651	Y
2	IC 410-314883/4	0.25	0.284239	5.0	386823.0	1.136954	Y
3	IC 410-314883/9	1.25	1.295794	5.0	428633.0	1.036635	Y
4	IC 410-314883/8	3.75	3.456429	5.0	429637.0	0.921715	Y
5	IC 410-314883/7	7.5	8.277959	5.0	398771.0	1.103728	Y
6	ICIS 410-314883/2	12.5	13.603362	5.0	422146.0	1.088269	Y
7	IC 410-314883/6	20.0	22.024675	5.0	398580.0	1.101234	Y
8	IC 410-314883/5	30.0	31.763398	5.0	401747.0	1.05878	Y



Calibration / Alpha-Terpineol

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

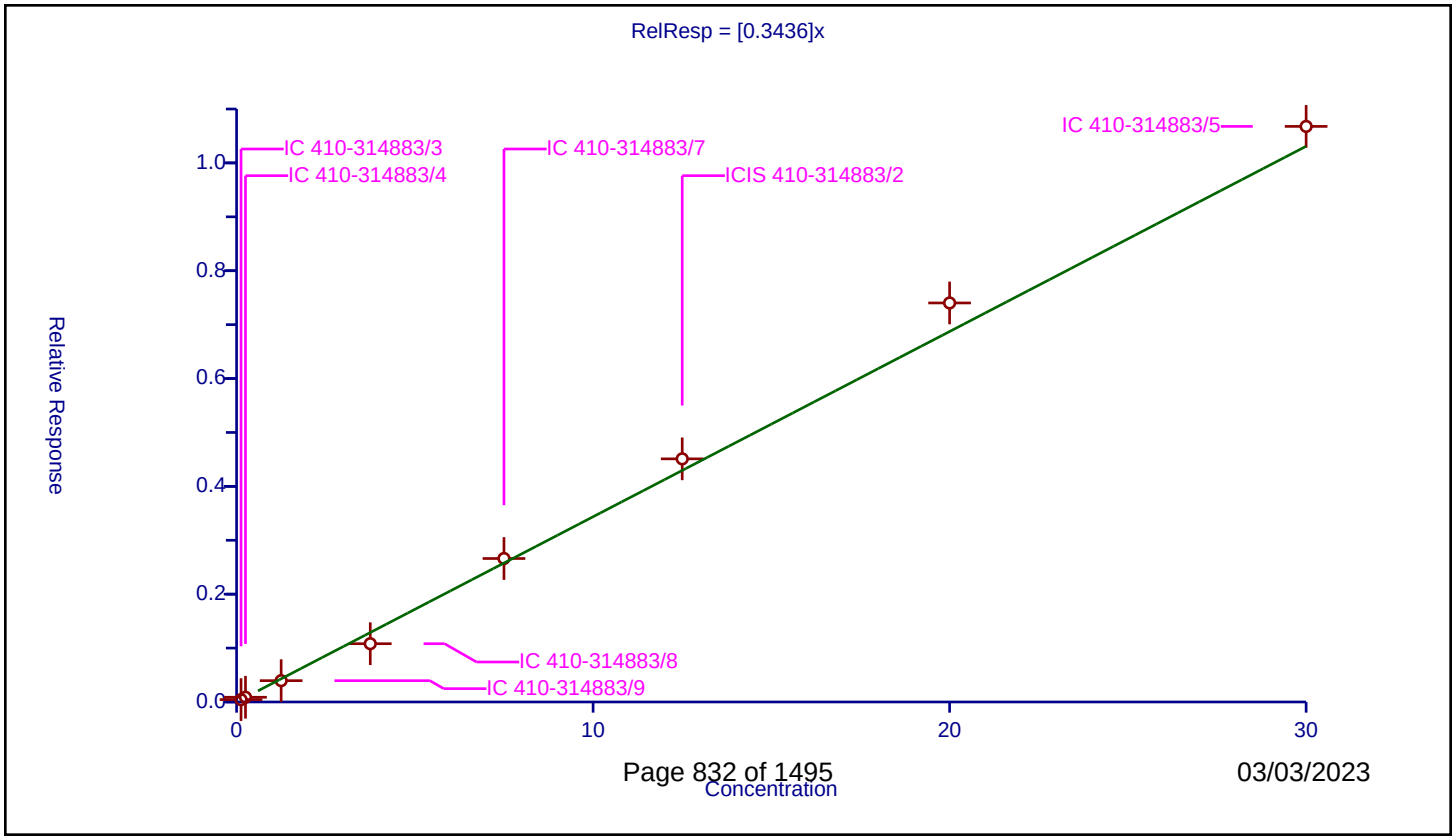
Curve Coefficients

Intercept:	0
Slope:	0.3436

Error Coefficients

Standard Error:	428000
Relative Standard Error:	7.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.044039	5.0	395445.0	0.352312	Y
2	IC 410-314883/4	0.25	0.087585	5.0	386823.0	0.350341	Y
3	IC 410-314883/9	1.25	0.395338	5.0	428633.0	0.316271	Y
4	IC 410-314883/8	3.75	1.081203	5.0	429637.0	0.288321	Y
5	IC 410-314883/7	7.5	2.661879	5.0	398771.0	0.354917	Y
6	ICIS 410-314883/2	12.5	4.510181	5.0	422146.0	0.360815	Y
7	IC 410-314883/6	20.0	7.402316	5.0	398580.0	0.370116	Y
8	IC 410-314883/5	30.0	10.67764	5.0	401747.0	0.355921	Y



Calibration / 4-Chloroaniline

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

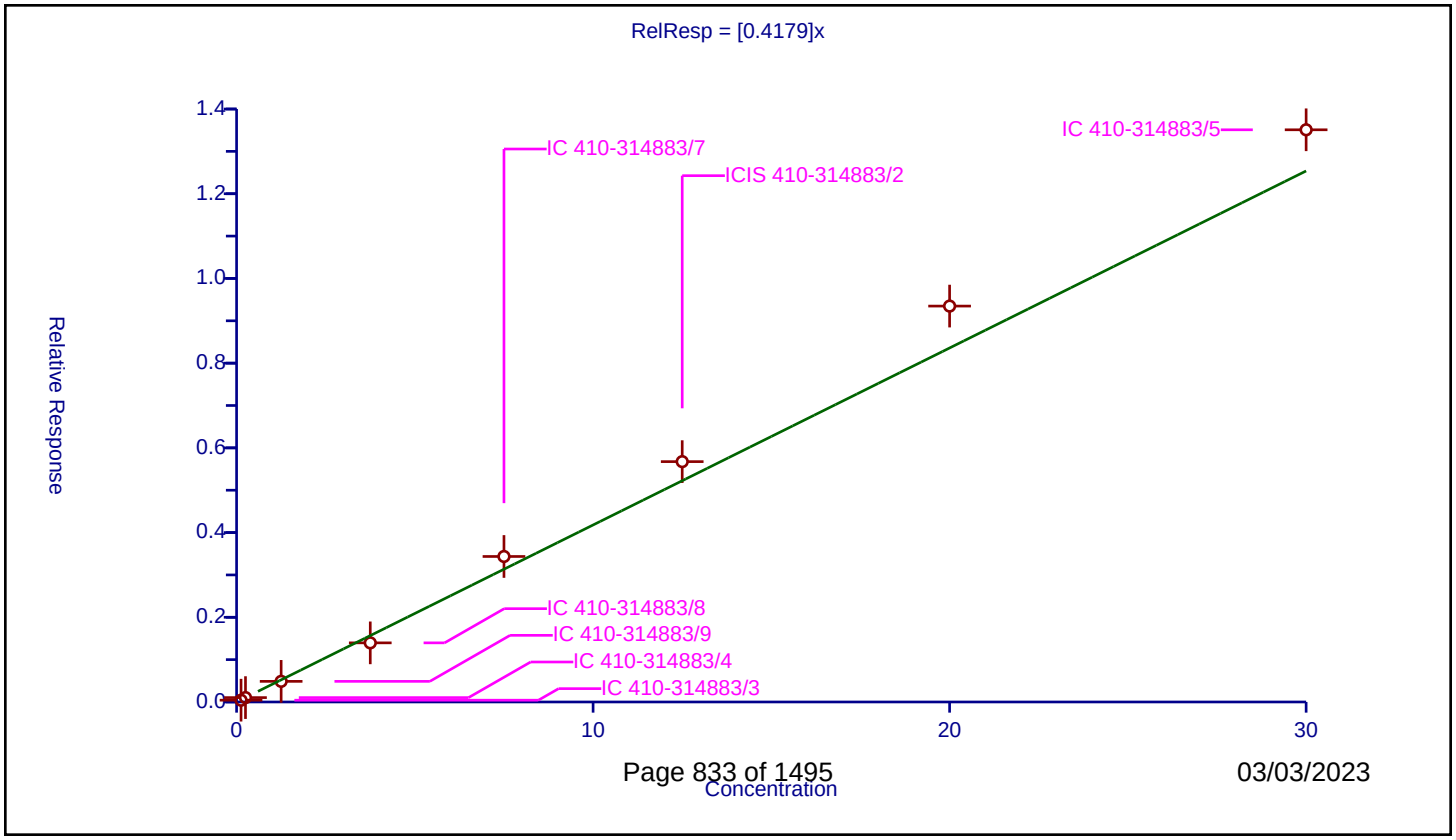
Curve Coefficients

Intercept:	0
Slope:	0.4179

Error Coefficients

Standard Error:	542000
Relative Standard Error:	11.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.042218	5.0	395445.0	0.337746	Y
2	IC 410-314883/4	0.25	0.103445	5.0	386823.0	0.413781	Y
3	IC 410-314883/9	1.25	0.487235	5.0	428633.0	0.389788	Y
4	IC 410-314883/8	3.75	1.396074	5.0	429637.0	0.372286	Y
5	IC 410-314883/7	7.5	3.435393	5.0	398771.0	0.458052	Y
6	ICIS 410-314883/2	12.5	5.674802	5.0	422146.0	0.453984	Y
7	IC 410-314883/6	20.0	9.347107	5.0	398580.0	0.467355	Y
8	IC 410-314883/5	30.0	13.509522	5.0	401747.0	0.450317	Y



Calibration / 2,6-Dichlorophenol

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

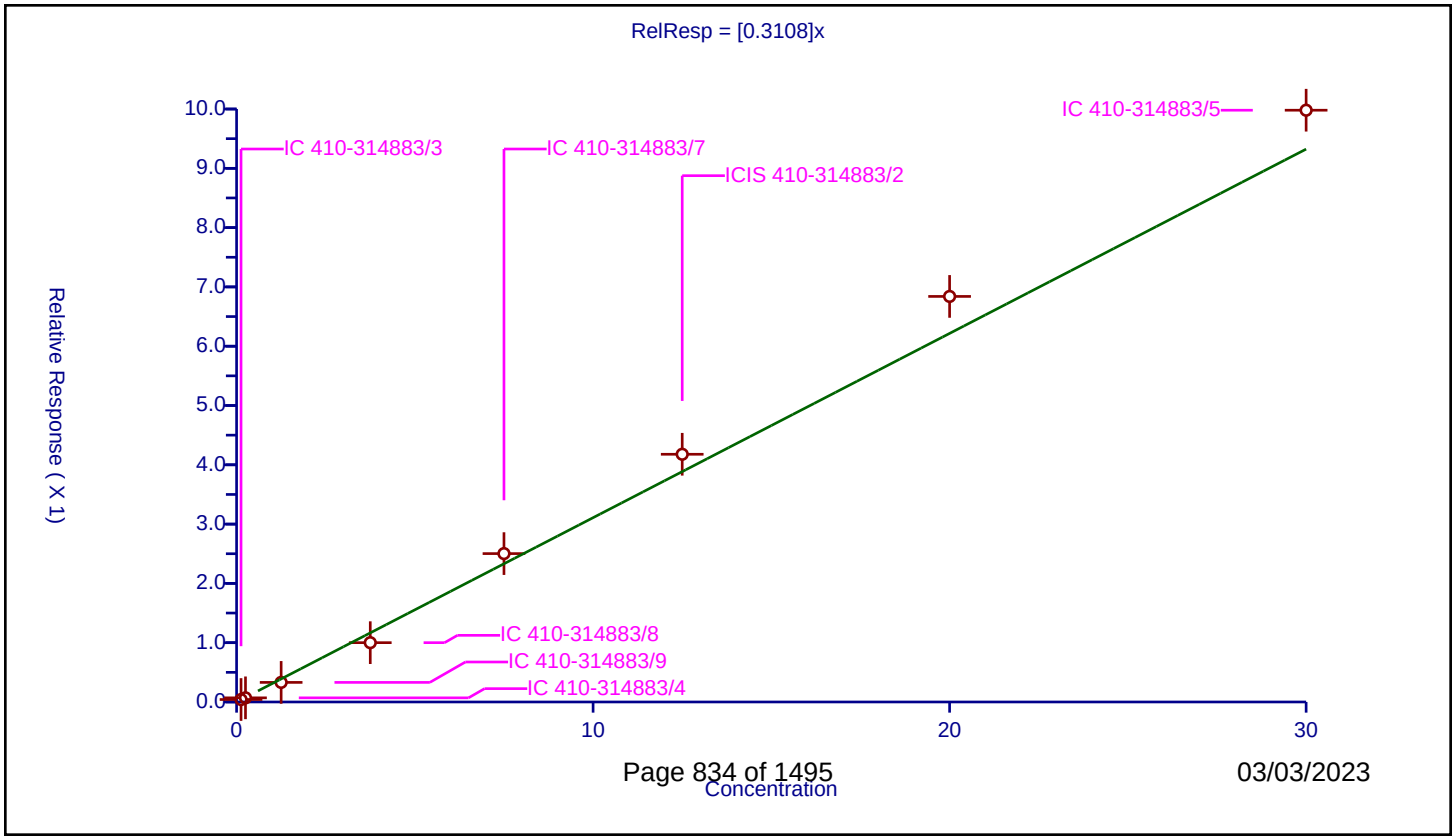
Curve Coefficients

Intercept:	0
Slope:	0.3108

Error Coefficients

Standard Error:	399000
Relative Standard Error:	10.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.041548	5.0	395445.0	0.332385	Y
2	IC 410-314883/4	0.25	0.07011	5.0	386823.0	0.280438	Y
3	IC 410-314883/9	1.25	0.330353	5.0	428633.0	0.264282	Y
4	IC 410-314883/8	3.75	1.000356	5.0	429637.0	0.266762	Y
5	IC 410-314883/7	7.5	2.502464	5.0	398771.0	0.333662	Y
6	ICIS 410-314883/2	12.5	4.177713	5.0	422146.0	0.334217	Y
7	IC 410-314883/6	20.0	6.839217	5.0	398580.0	0.341961	Y
8	IC 410-314883/5	30.0	9.979602	5.0	401747.0	0.332653	Y



Calibration / Hexachloropropene

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

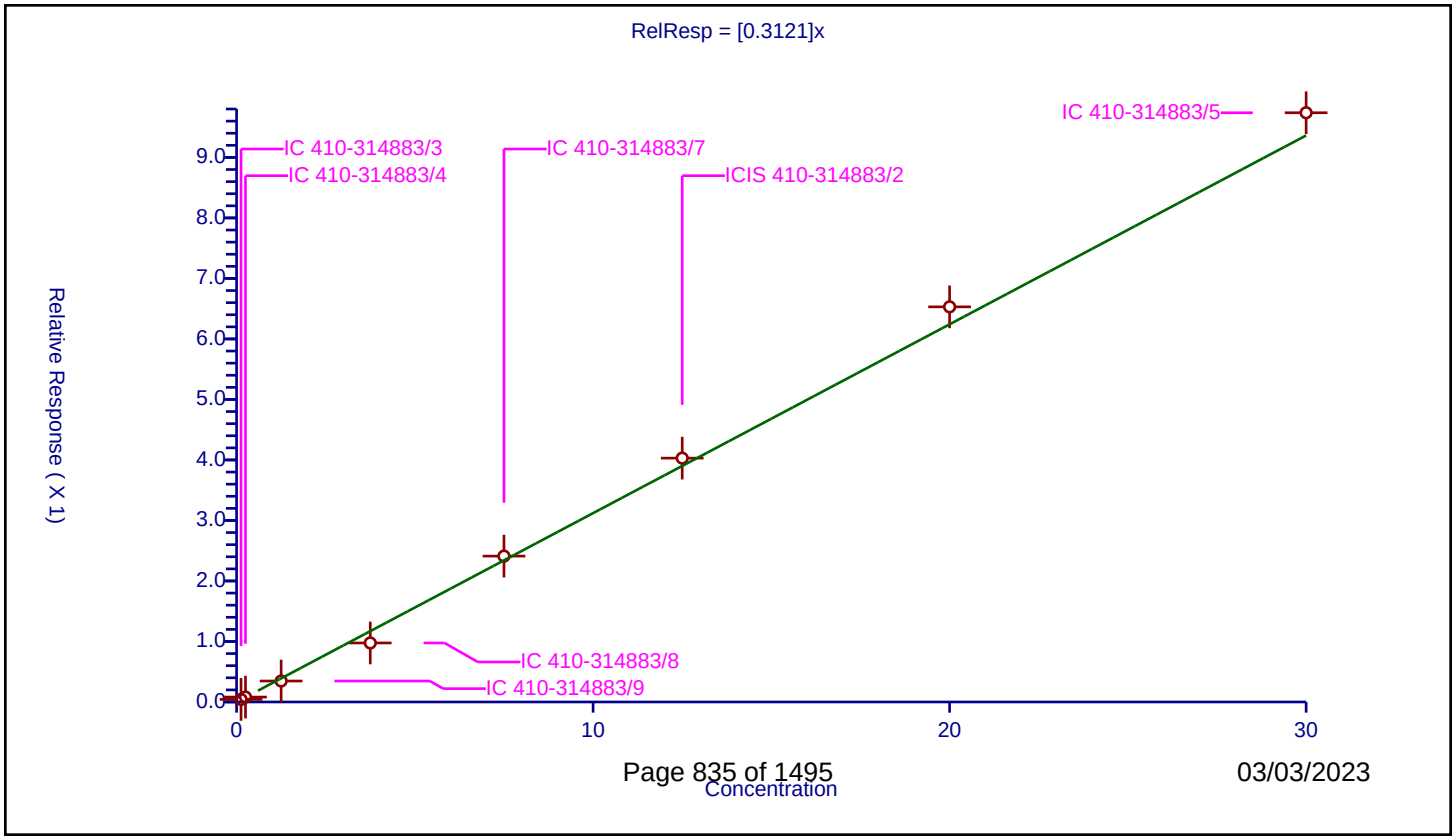
Curve Coefficients

Intercept:	0
Slope:	0.3121

Error Coefficients

Standard Error:	386000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.042383	5.0	395445.0	0.339061	Y
2	IC 410-314883/4	0.25	0.081342	5.0	386823.0	0.325368	Y
3	IC 410-314883/9	1.25	0.346509	5.0	428633.0	0.277207	Y
4	IC 410-314883/8	3.75	0.975626	5.0	429637.0	0.260167	Y
5	IC 410-314883/7	7.5	2.410782	5.0	398771.0	0.321438	Y
6	ICIS 410-314883/2	12.5	4.030039	5.0	422146.0	0.322403	Y
7	IC 410-314883/6	20.0	6.530471	5.0	398580.0	0.326524	Y
8	IC 410-314883/5	30.0	9.738492	5.0	401747.0	0.324616	Y



Calibration / Hexachlorobutadiene

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

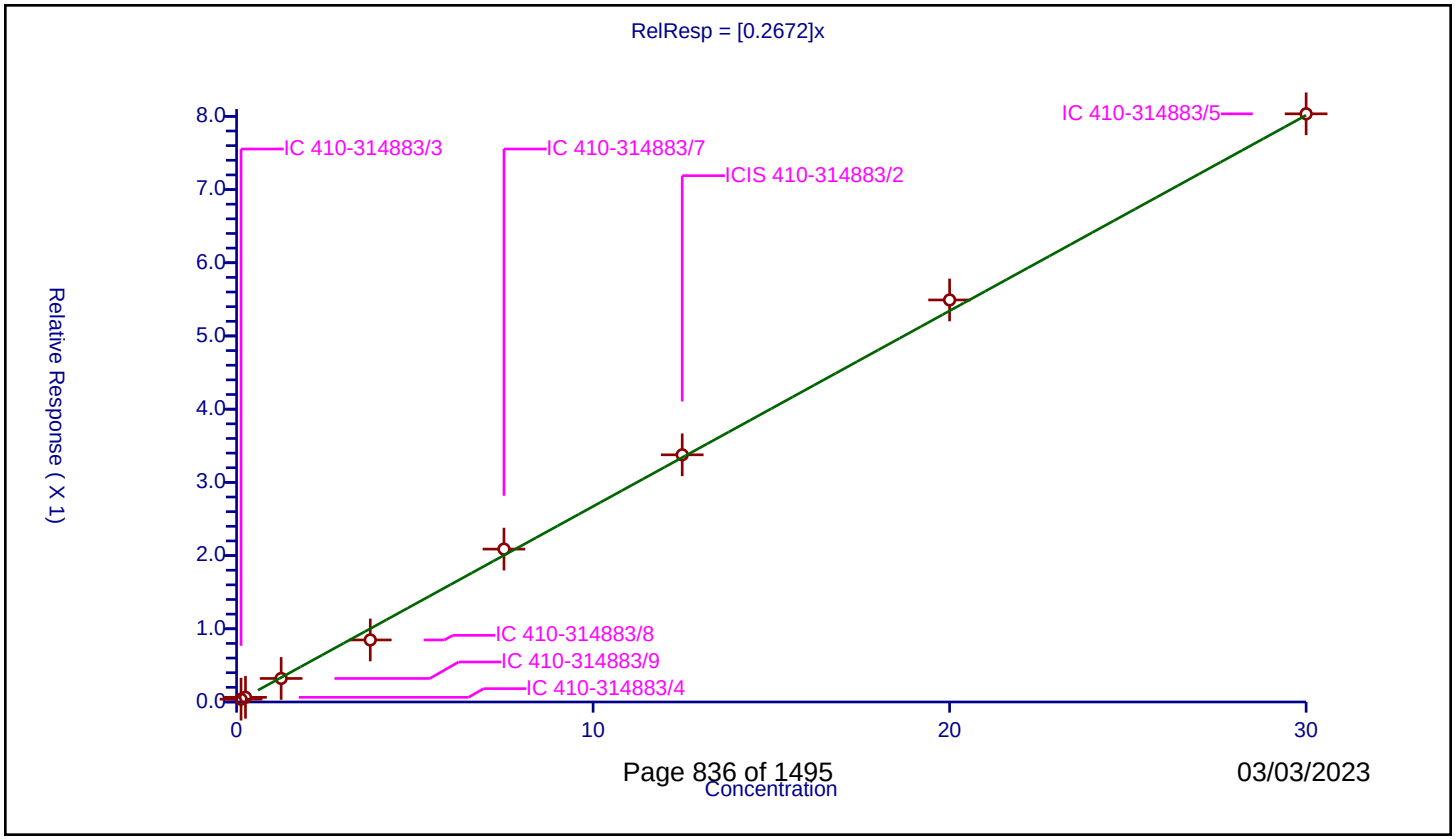
Curve Coefficients

Intercept:	0
Slope:	0.2672

Error Coefficients

Standard Error:	321000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.038476	5.0	395445.0	0.307805	Y
2	IC 410-314883/4	0.25	0.063802	5.0	386823.0	0.255207	Y
3	IC 410-314883/9	1.25	0.321615	5.0	428633.0	0.257292	Y
4	IC 410-314883/8	3.75	0.847564	5.0	429637.0	0.226017	Y
5	IC 410-314883/7	7.5	2.088542	5.0	398771.0	0.278472	Y
6	ICIS 410-314883/2	12.5	3.376486	5.0	422146.0	0.270119	Y
7	IC 410-314883/6	20.0	5.491884	5.0	398580.0	0.274594	Y
8	IC 410-314883/5	30.0	8.034484	5.0	401747.0	0.267816	Y



Calibration / Quinoline

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

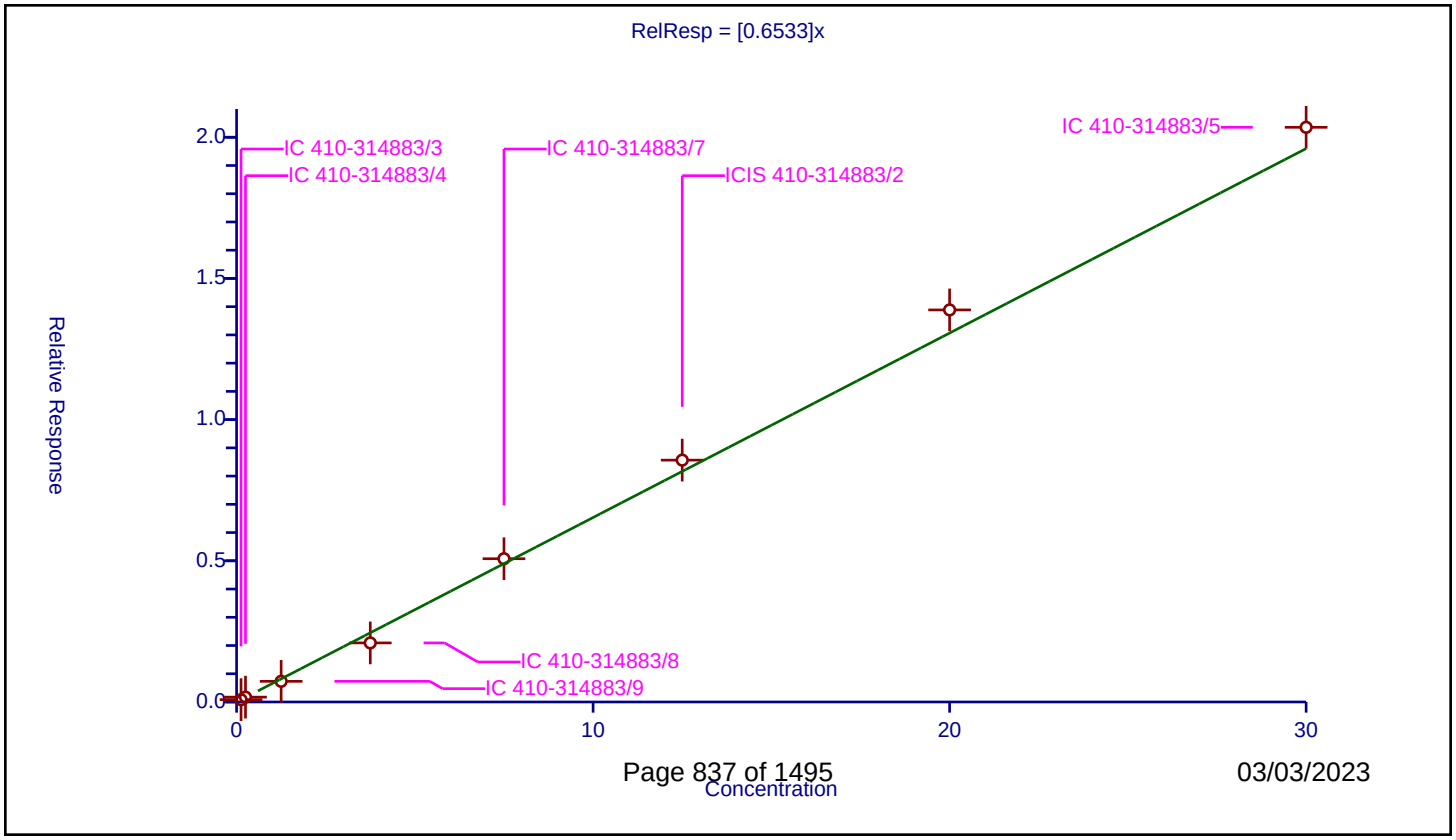
Curve Coefficients

Intercept:	0
Slope:	0.6533

Error Coefficients

Standard Error:	813000
Relative Standard Error:	7.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.08259	5.0	395445.0	0.660724	Y
2	IC 410-314883/4	0.25	0.171991	5.0	386823.0	0.687963	Y
3	IC 410-314883/9	1.25	0.731663	5.0	428633.0	0.585331	Y
4	IC 410-314883/8	3.75	2.092732	5.0	429637.0	0.558062	Y
5	IC 410-314883/7	7.5	5.073288	5.0	398771.0	0.676438	Y
6	ICIS 410-314883/2	12.5	8.565473	5.0	422146.0	0.685238	Y
7	IC 410-314883/6	20.0	13.884502	5.0	398580.0	0.694225	Y
8	IC 410-314883/5	30.0	20.352199	5.0	401747.0	0.678407	Y



Calibration / Caprolactam

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

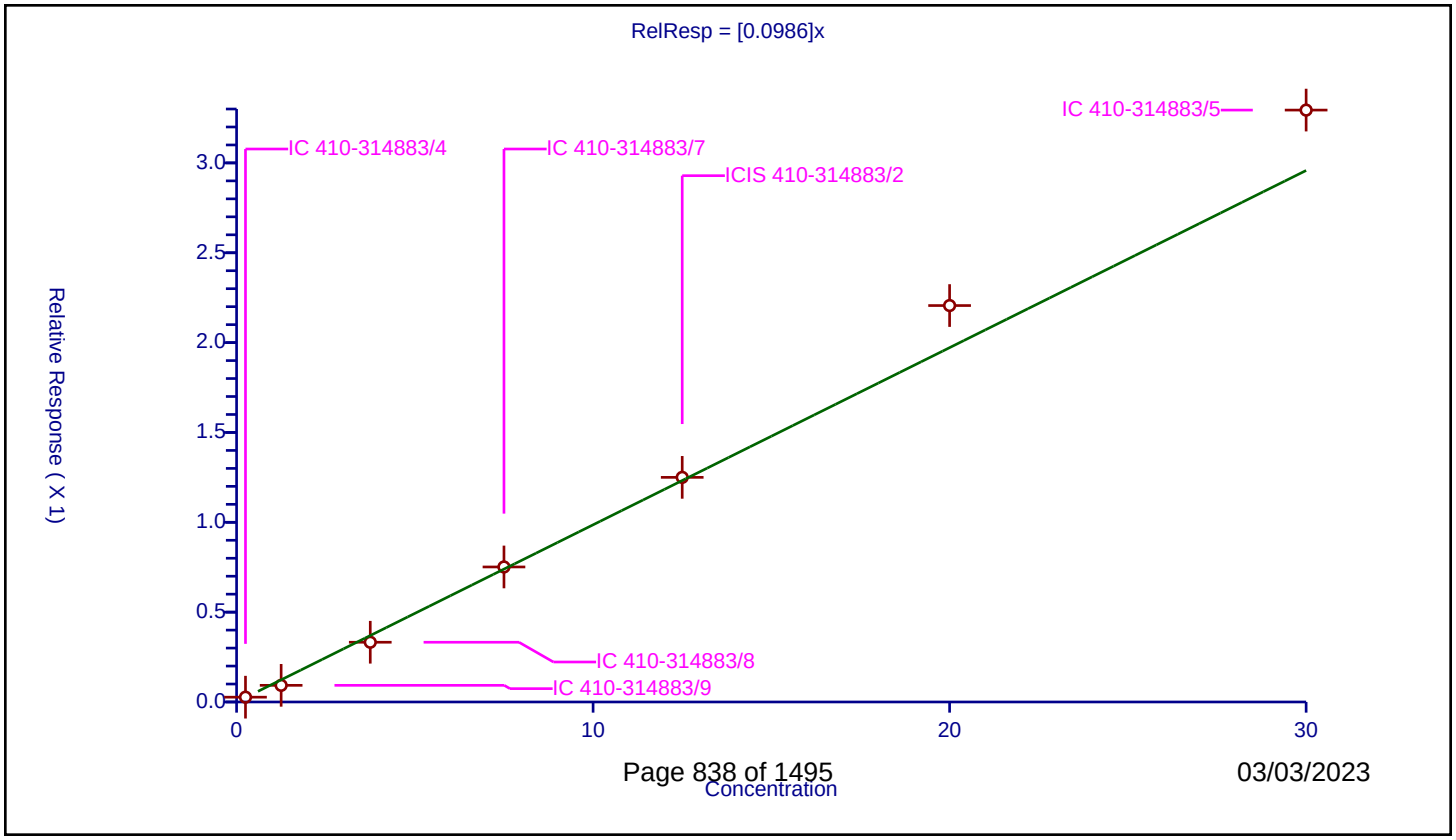
Curve Coefficients

Intercept:	0
Slope:	0.0986

Error Coefficients

Standard Error:	139000
Relative Standard Error:	13.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/4	0.25	0.026769	5.0	386823.0	0.107077	Y
2	IC 410-314883/9	1.25	0.092632	5.0	428633.0	0.074105	Y
3	IC 410-314883/8	3.75	0.332571	5.0	429637.0	0.088686	Y
4	IC 410-314883/7	7.5	0.751471	5.0	398771.0	0.100196	Y
5	ICIS 410-314883/2	12.5	1.250065	5.0	422146.0	0.100005	Y
6	IC 410-314883/6	20.0	2.206257	5.0	398580.0	0.110313	Y
7	IC 410-314883/5	30.0	3.293989	5.0	401747.0	0.1098	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

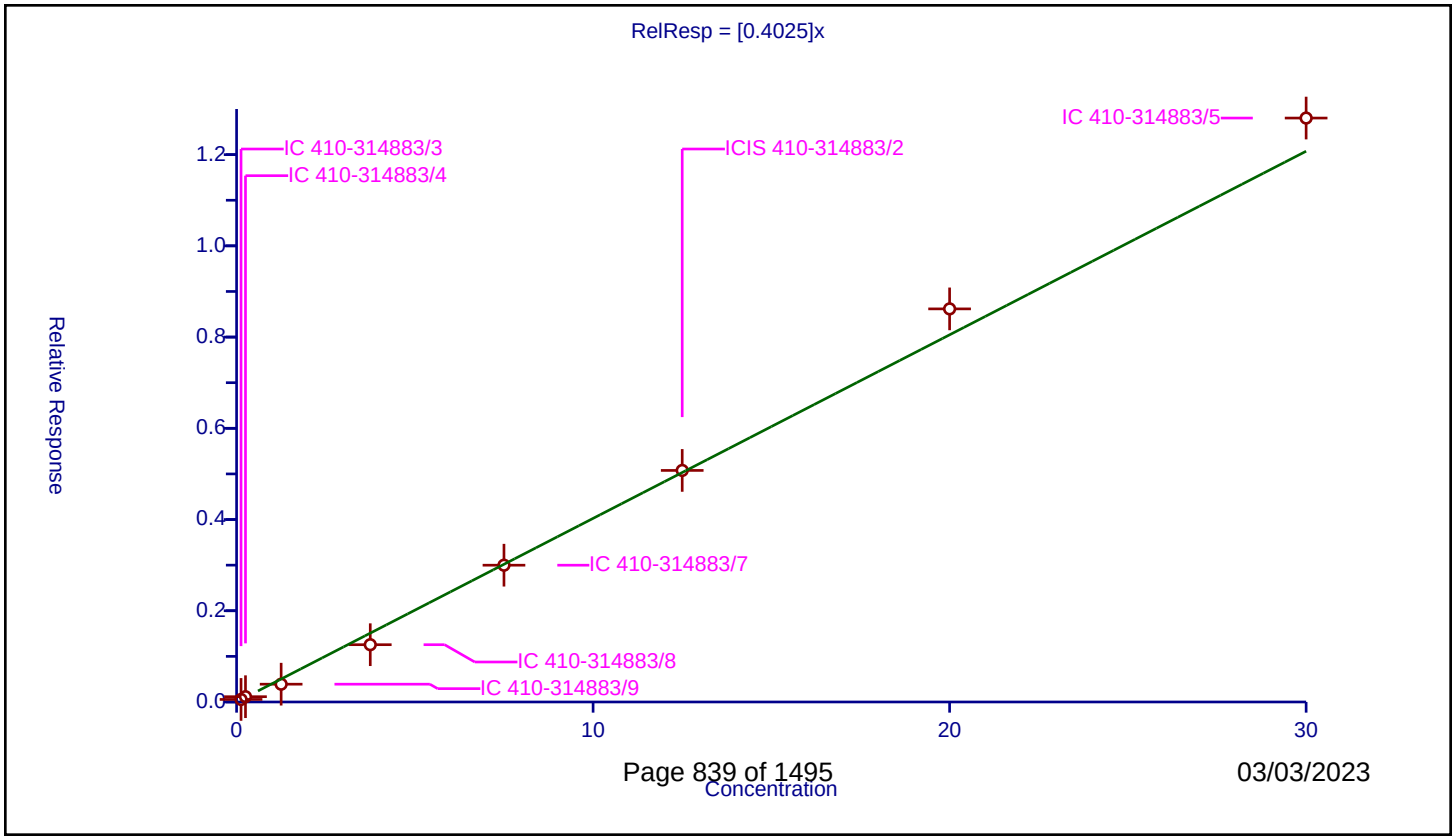
Curve Coefficients

Intercept:	0
Slope:	0.4025

Error Coefficients

Standard Error:	505000
Relative Standard Error:	13.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.055735	5.0	395445.0	0.445877	Y
2	IC 410-314883/4	0.25	0.115841	5.0	386823.0	0.463364	Y
3	IC 410-314883/9	1.25	0.390346	5.0	428633.0	0.312276	Y
4	IC 410-314883/8	3.75	1.255816	5.0	429637.0	0.334884	Y
5	IC 410-314883/7	7.5	2.998551	5.0	398771.0	0.399807	Y
6	ICIS 410-314883/2	12.5	5.076384	5.0	422146.0	0.406111	Y
7	IC 410-314883/6	20.0	8.618245	5.0	398580.0	0.430912	Y
8	IC 410-314883/5	30.0	12.801689	5.0	401747.0	0.426723	Y



Calibration / p-Phenylene diamine

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

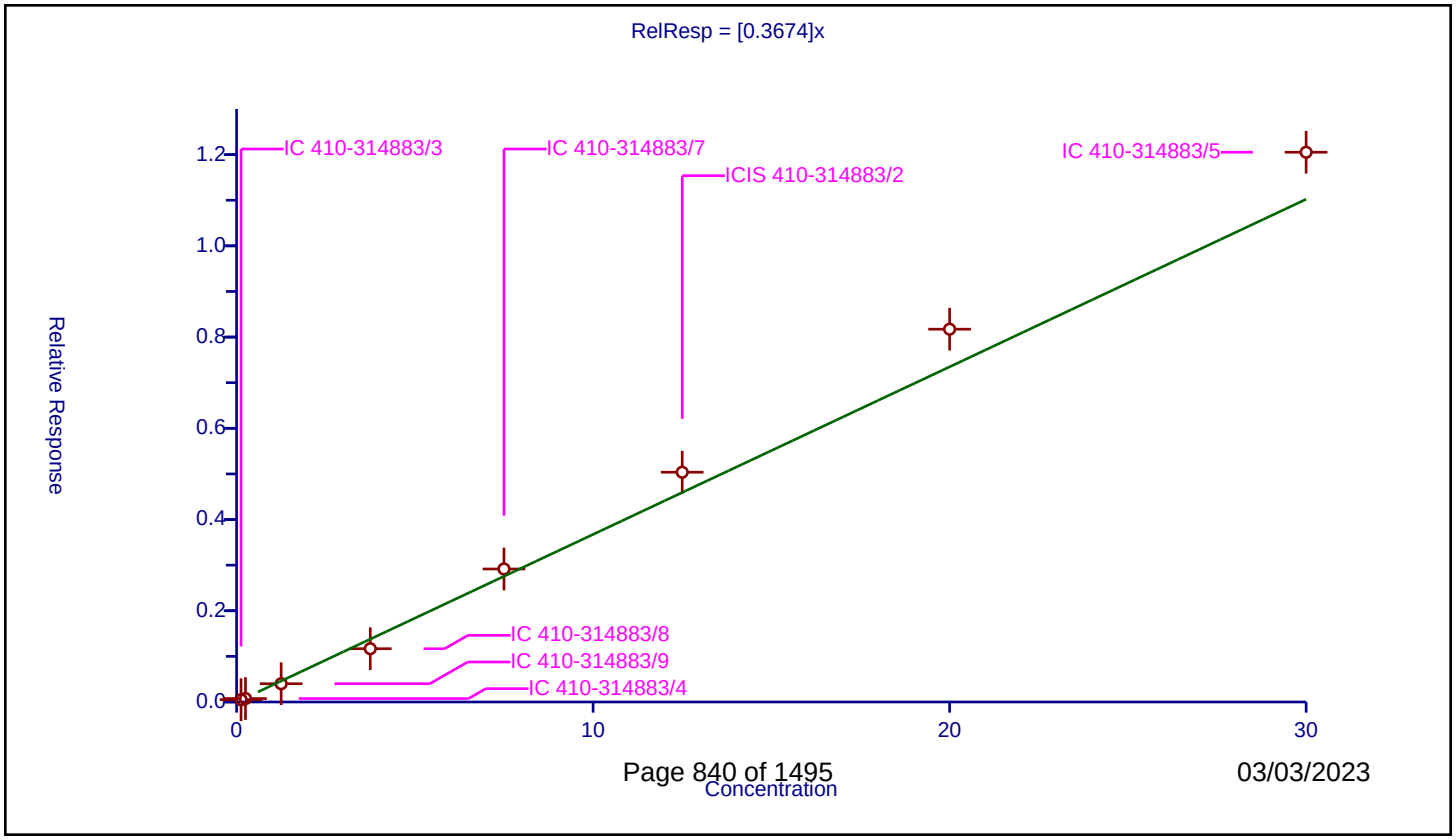
Curve Coefficients

Intercept:	0
Slope:	0.3674

Error Coefficients

Standard Error:	479000
Relative Standard Error:	13.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.050702	5.0	395445.0	0.405619	Y
2	IC 410-314883/4	0.25	0.07484	5.0	386823.0	0.299362	Y
3	IC 410-314883/9	1.25	0.400739	5.0	428633.0	0.320591	Y
4	IC 410-314883/8	3.75	1.167742	5.0	429637.0	0.311398	Y
5	IC 410-314883/7	7.5	2.915884	5.0	398771.0	0.388785	Y
6	ICIS 410-314883/2	12.5	5.037155	5.0	422146.0	0.402972	Y
7	IC 410-314883/6	20.0	8.173315	5.0	398580.0	0.408666	Y
8	IC 410-314883/5	30.0	12.052386	5.0	401747.0	0.401746	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

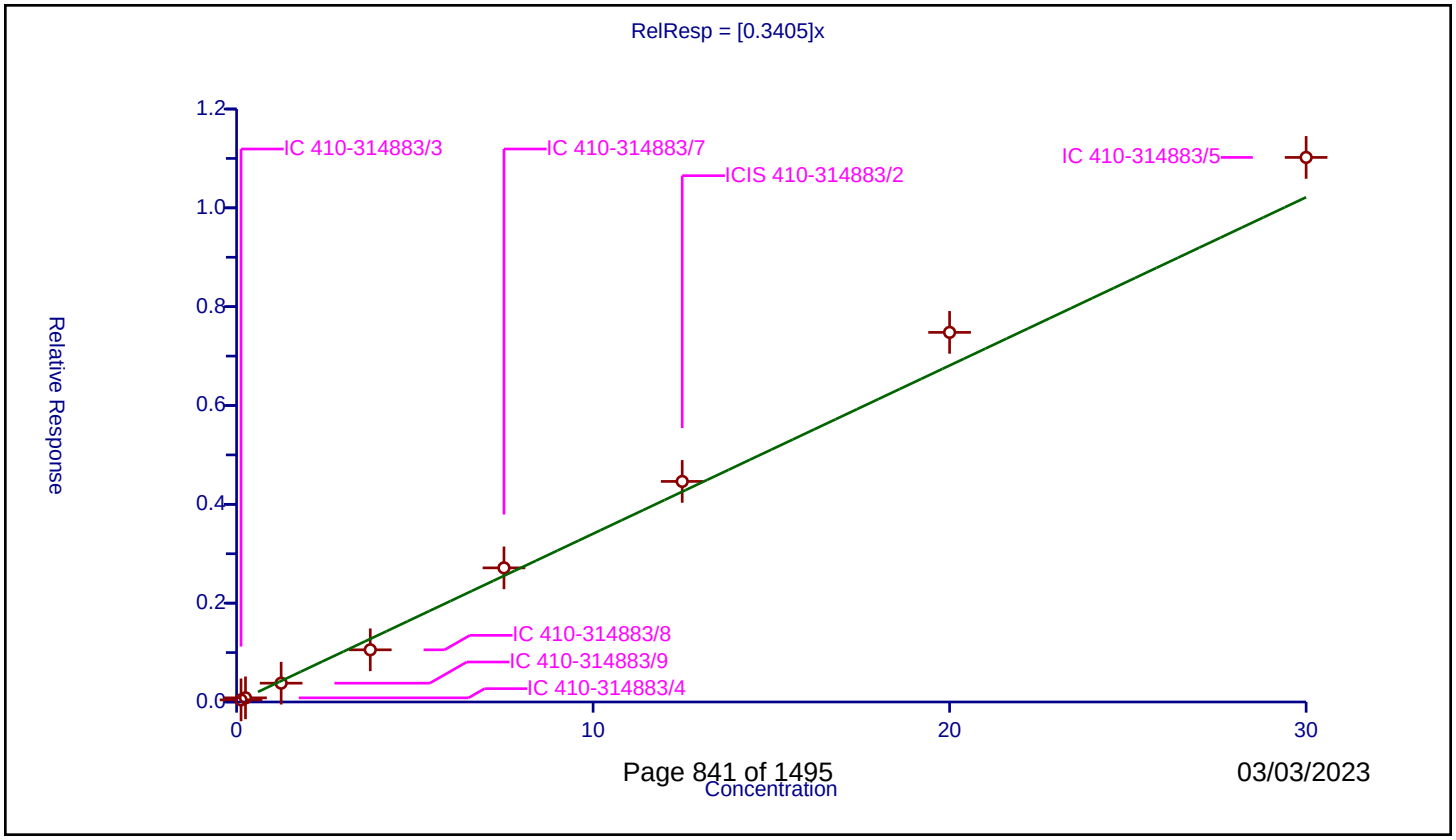
Curve Coefficients

Intercept:	0
Slope:	0.3405

Error Coefficients

Standard Error:	437000
Relative Standard Error:	9.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.042775	5.0	395445.0	0.342197	Y
2	IC 410-314883/4	0.25	0.083824	5.0	386823.0	0.335295	Y
3	IC 410-314883/9	1.25	0.380594	5.0	428633.0	0.304475	Y
4	IC 410-314883/8	3.75	1.056031	5.0	429637.0	0.281608	Y
5	IC 410-314883/7	7.5	2.714114	5.0	398771.0	0.361882	Y
6	ICIS 410-314883/2	12.5	4.463503	5.0	422146.0	0.35708	Y
7	IC 410-314883/6	20.0	7.479778	5.0	398580.0	0.373989	Y
8	IC 410-314883/5	30.0	11.020319	5.0	401747.0	0.367344	Y



Calibration / Safrole, Total

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

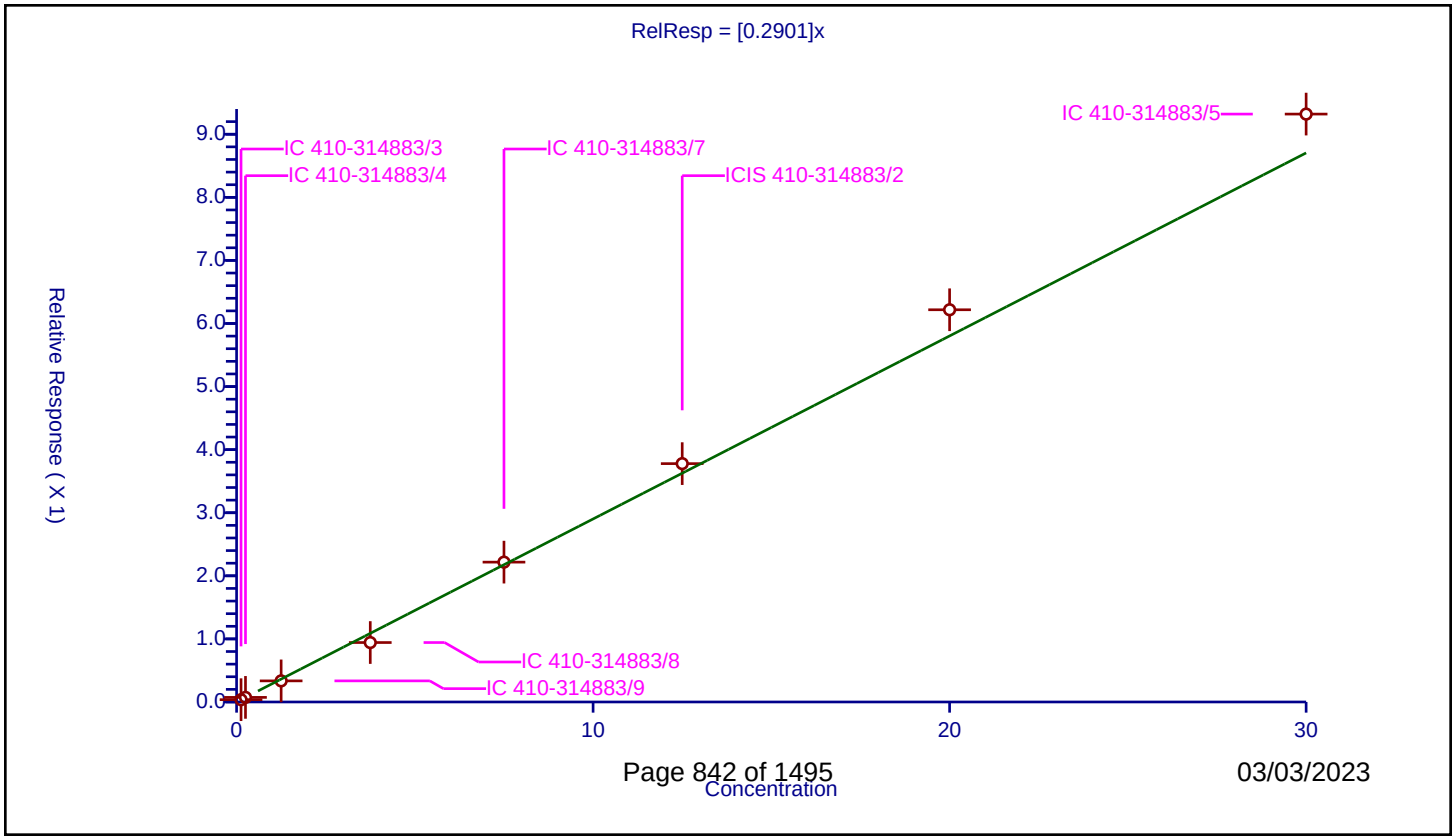
Curve Coefficients

Intercept:	0
Slope:	0.2901

Error Coefficients

Standard Error:	368000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.036415	5.0	395445.0	0.291317	Y
2	IC 410-314883/4	0.25	0.072889	5.0	386823.0	0.291555	Y
3	IC 410-314883/9	1.25	0.33447	5.0	428633.0	0.267576	Y
4	IC 410-314883/8	3.75	0.942261	5.0	429637.0	0.251269	Y
5	IC 410-314883/7	7.5	2.216886	5.0	398771.0	0.295585	Y
6	ICIS 410-314883/2	12.5	3.778385	5.0	422146.0	0.302271	Y
7	IC 410-314883/6	20.0	6.217648	5.0	398580.0	0.310882	Y
8	IC 410-314883/5	30.0	9.319646	5.0	401747.0	0.310655	Y



Calibration / 2-Methylnaphthalene

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

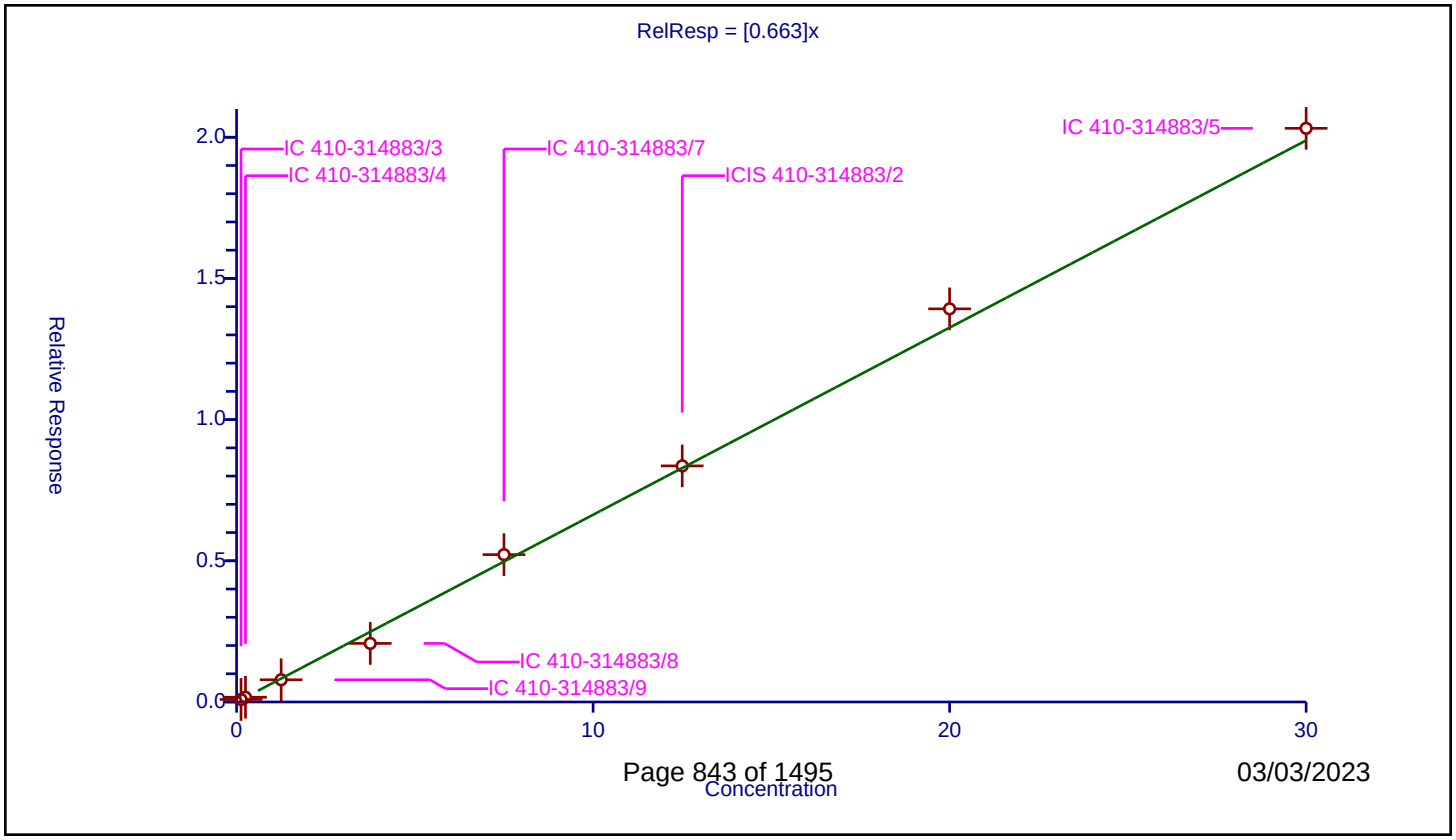
Curve Coefficients

Intercept:	0
Slope:	0.663

Error Coefficients

Standard Error:	811000
Relative Standard Error:	7.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.088773	5.0	395445.0	0.710187	Y
2	IC 410-314883/4	0.25	0.168074	5.0	386823.0	0.672297	Y
3	IC 410-314883/9	1.25	0.787352	5.0	428633.0	0.629882	Y
4	IC 410-314883/8	3.75	2.074391	5.0	429637.0	0.553171	Y
5	IC 410-314883/7	7.5	5.219048	5.0	398771.0	0.695873	Y
6	ICIS 410-314883/2	12.5	8.36142	5.0	422146.0	0.668914	Y
7	IC 410-314883/6	20.0	13.923089	5.0	398580.0	0.696154	Y
8	IC 410-314883/5	30.0	20.316692	5.0	401747.0	0.677223	Y



Calibration / 1-Methylnaphthalene

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

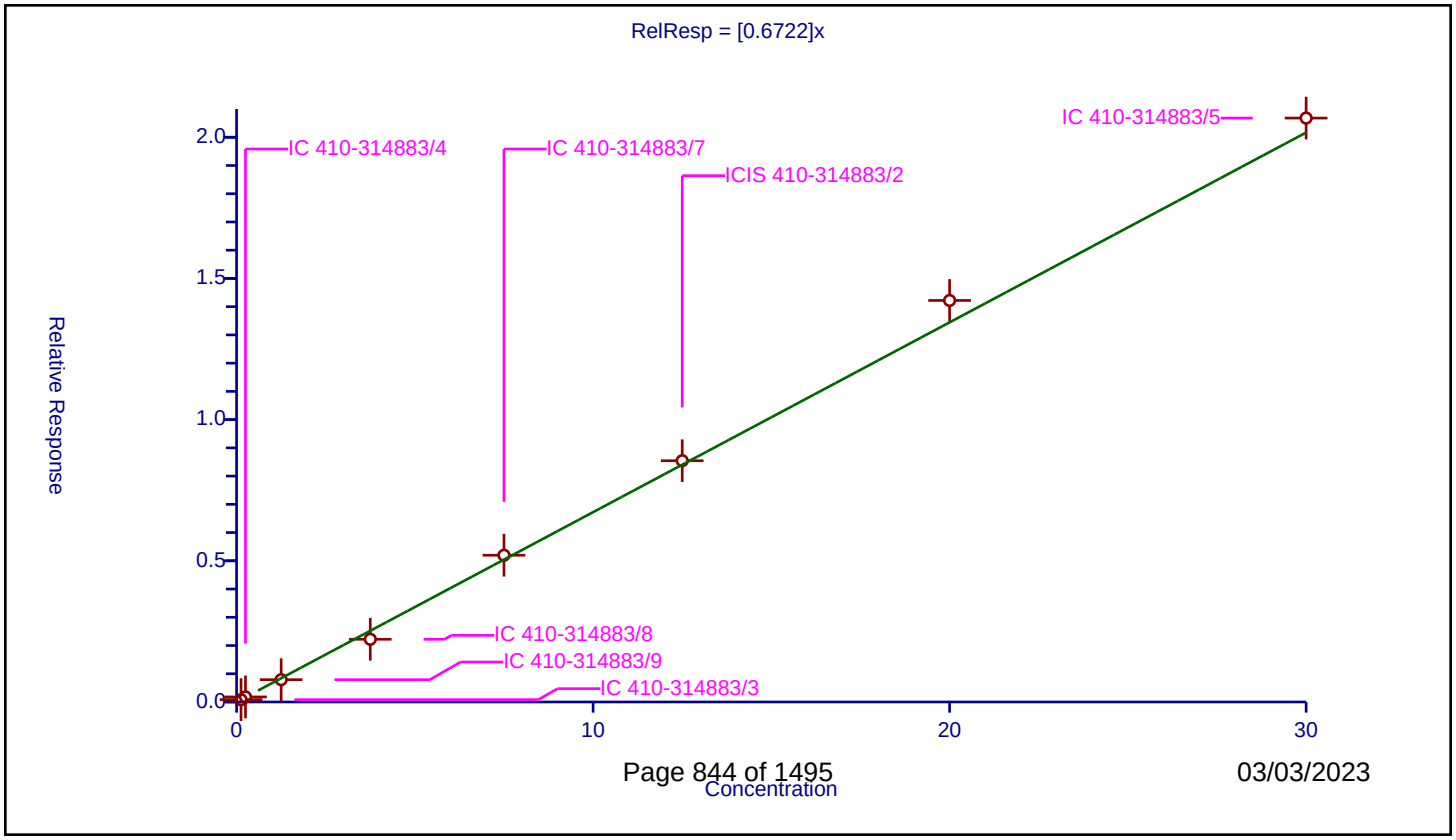
Curve Coefficients

Intercept:	0
Slope:	0.6722

Error Coefficients

Standard Error:	826000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.082755	5.0	395445.0	0.662039	Y
2	IC 410-314883/4	0.25	0.178518	5.0	386823.0	0.714073	Y
3	IC 410-314883/9	1.25	0.790315	5.0	428633.0	0.632252	Y
4	IC 410-314883/8	3.75	2.221038	5.0	429637.0	0.592277	Y
5	IC 410-314883/7	7.5	5.197783	5.0	398771.0	0.693038	Y
6	ICIS 410-314883/2	12.5	8.544852	5.0	422146.0	0.683588	Y
7	IC 410-314883/6	20.0	14.220131	5.0	398580.0	0.711007	Y
8	IC 410-314883/5	30.0	20.678785	5.0	401747.0	0.689293	Y



Calibration / Hexachlorocyclopentadiene

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

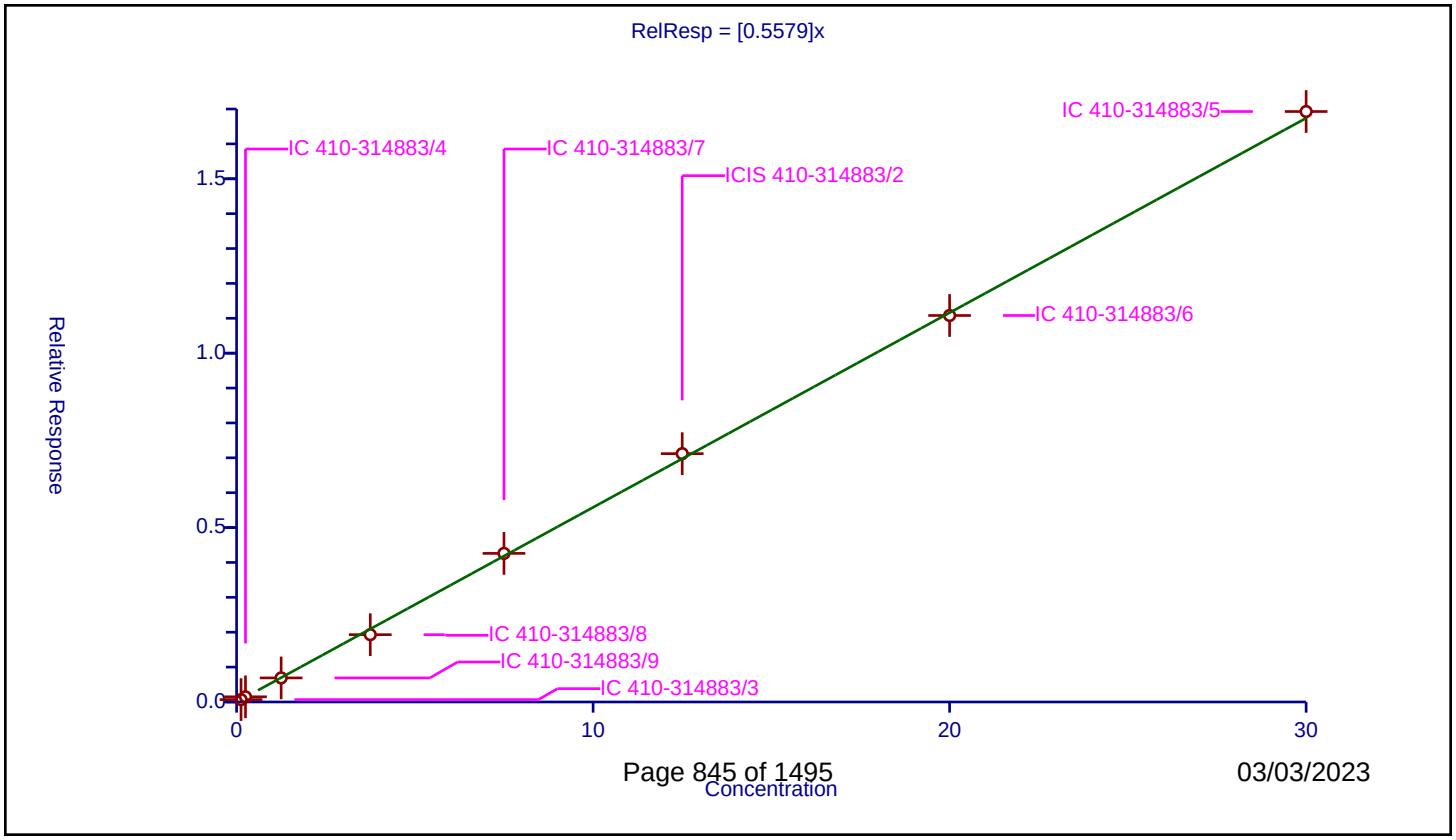
Curve Coefficients

Intercept:	0
Slope:	0.5579

Error Coefficients

Standard Error:	423000
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 410-314883/3	0.125	0.068479	5.0	243431.0	0.547835	Y
2	IC 410-314883/4	0.25	0.14833	5.0	235118.0	0.593319	Y
3	IC 410-314883/9	1.25	0.689855	5.0	254916.0	0.551884	Y
4	IC 410-314883/8	3.75	1.929835	5.0	244552.0	0.514623	Y
5	IC 410-314883/7	7.5	4.260356	5.0	249681.0	0.568047	Y
6	ICIS 410-314883/2	12.5	7.119612	5.0	260175.0	0.569569	Y
7	IC 410-314883/6	20.0	11.080772	5.0	262456.0	0.554039	Y
8	IC 410-314883/5	30.0	16.928423	5.0	251060.0	0.564281	Y



03/03/2023

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

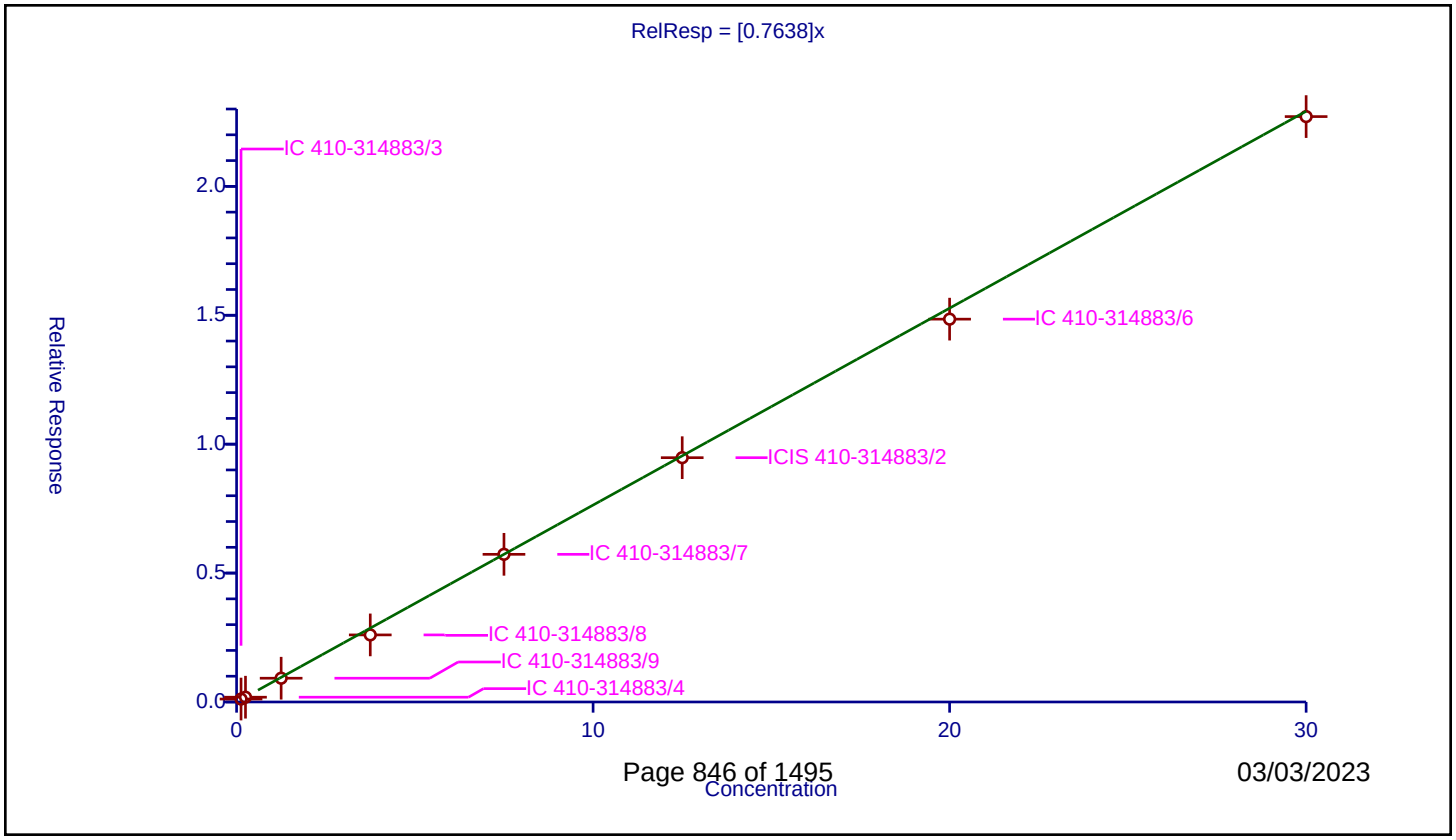
Curve Coefficients

Intercept:	0
Slope:	0.7638

Error Coefficients

Standard Error:	567000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.114509	5.0	243431.0	0.916071	Y
2	IC 410-314883/4	0.25	0.185439	5.0	235118.0	0.741755	Y
3	IC 410-314883/9	1.25	0.921853	5.0	254916.0	0.737482	Y
4	IC 410-314883/8	3.75	2.601492	5.0	244552.0	0.693731	Y
5	IC 410-314883/7	7.5	5.727949	5.0	249681.0	0.763727	Y
6	ICIS 410-314883/2	12.5	9.475949	5.0	260175.0	0.758076	Y
7	IC 410-314883/6	20.0	14.849594	5.0	262456.0	0.74248	Y
8	IC 410-314883/5	30.0	22.705987	5.0	251060.0	0.756866	Y



Calibration / Isosafrole Peak 1

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

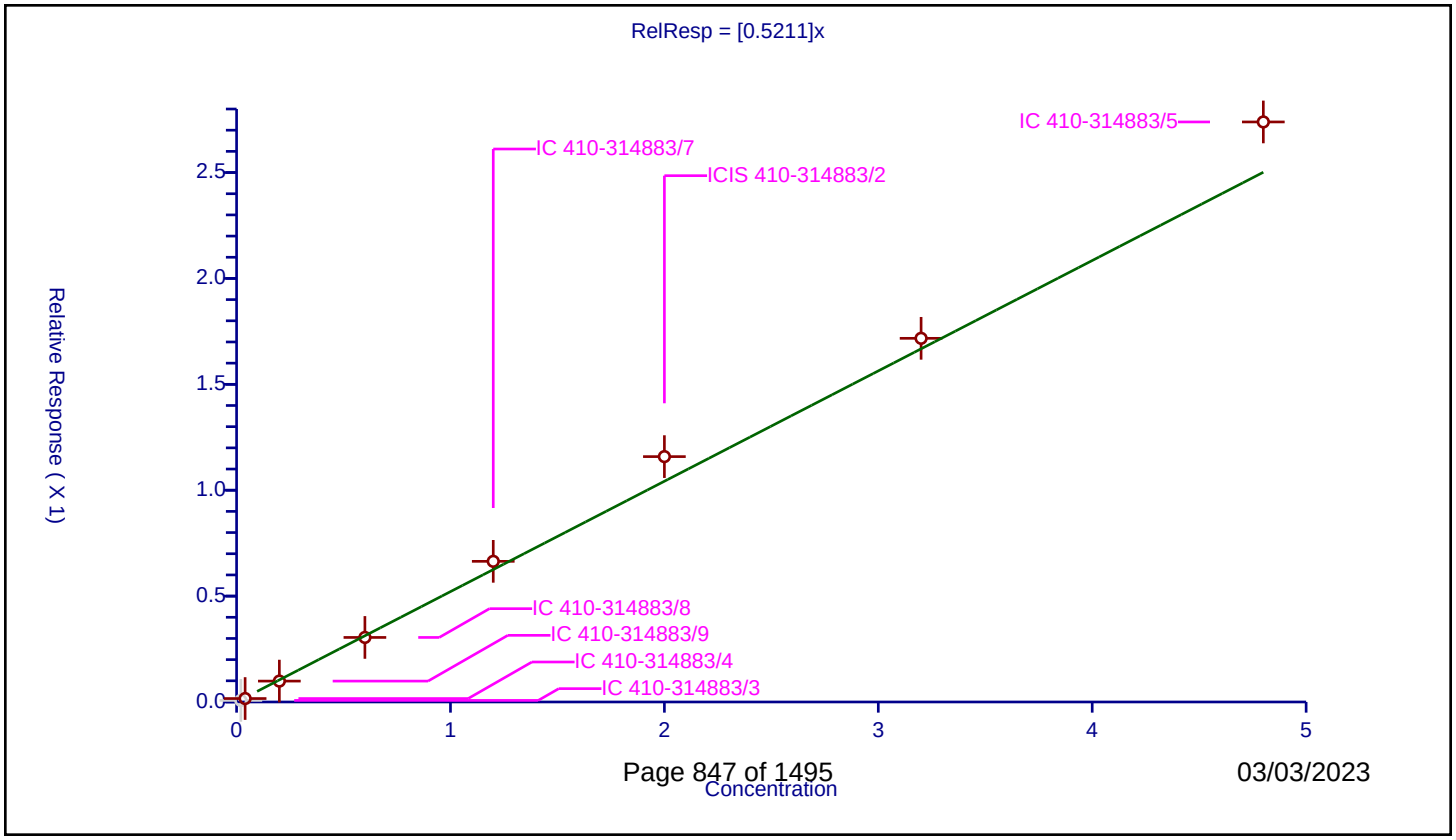
Curve Coefficients

Intercept:	0
Slope:	0.5211

Error Coefficients

Standard Error:	73100
Relative Standard Error:	11.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.02	0.007476	5.0	243431.0	0.373823	N
2	IC 410-314883/4	0.04	0.016268	5.0	235118.0	0.406711	Y
3	IC 410-314883/9	0.2	0.09864	5.0	254916.0	0.493202	Y
4	IC 410-314883/8	0.6	0.304761	5.0	244552.0	0.507936	Y
5	IC 410-314883/7	1.2	0.664107	5.0	249681.0	0.553423	Y
6	ICIS 410-314883/2	2.0	1.158682	5.0	260175.0	0.579341	Y
7	IC 410-314883/6	3.2	1.717259	5.0	262456.0	0.536644	Y
8	IC 410-314883/5	4.8	2.738987	5.0	251060.0	0.570622	Y



03/03/2023

Calibration / 2,4,6-Trichlorophenol

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

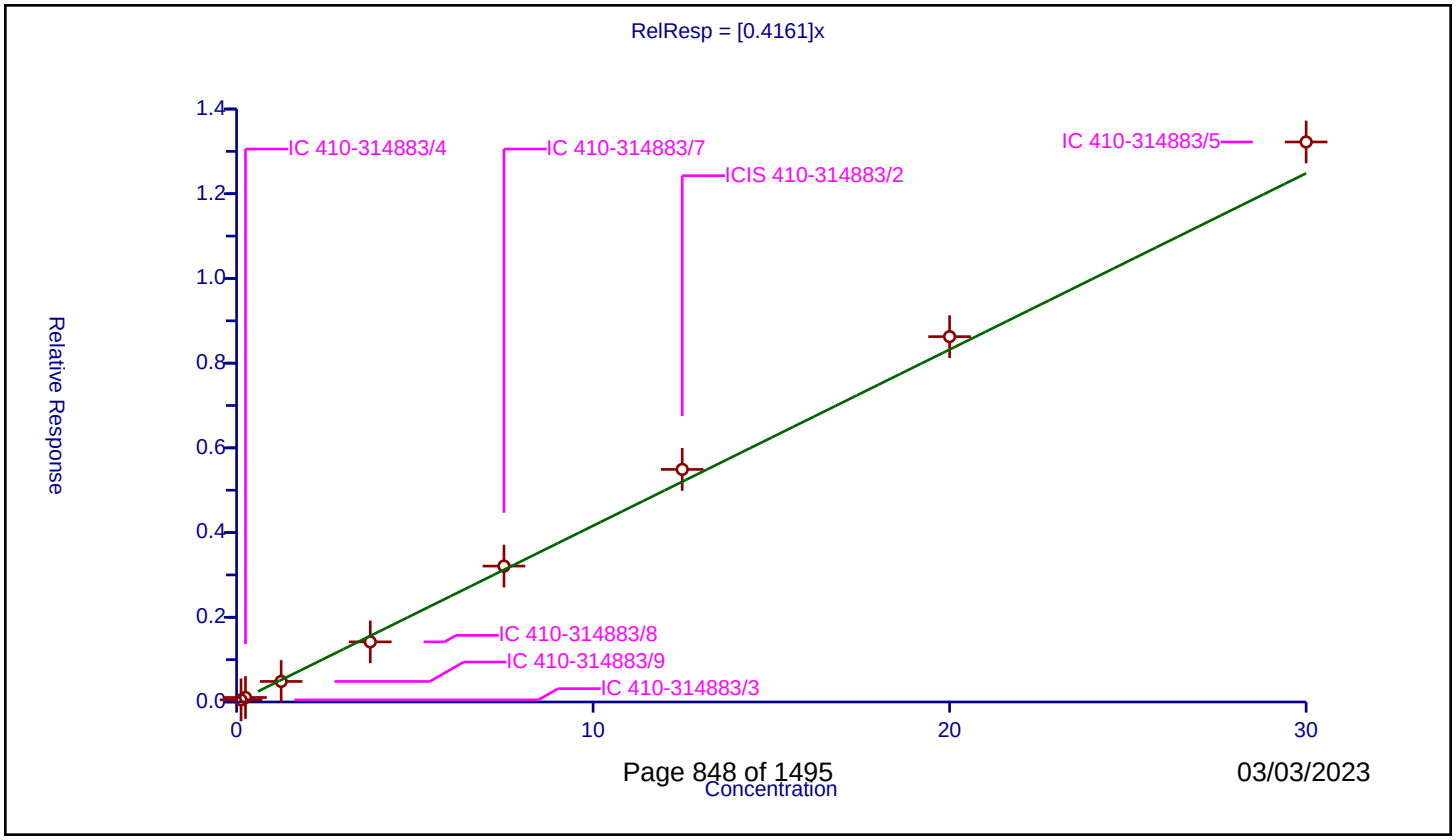
Curve Coefficients

Intercept:	0
Slope:	0.4161

Error Coefficients

Standard Error:	329000
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 410-314883/3	0.125	0.049788	5.0	243431.0	0.398306	Y
2	IC 410-314883/4	0.25	0.106159	5.0	235118.0	0.424638	Y
3	IC 410-314883/9	1.25	0.485101	5.0	254916.0	0.388081	Y
4	IC 410-314883/8	3.75	1.419187	5.0	244552.0	0.37845	Y
5	IC 410-314883/7	7.5	3.208434	5.0	249681.0	0.427791	Y
6	ICIS 410-314883/2	12.5	5.490727	5.0	260175.0	0.439258	Y
7	IC 410-314883/6	20.0	8.625617	5.0	262456.0	0.431281	Y
8	IC 410-314883/5	30.0	13.222078	5.0	251060.0	0.440736	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

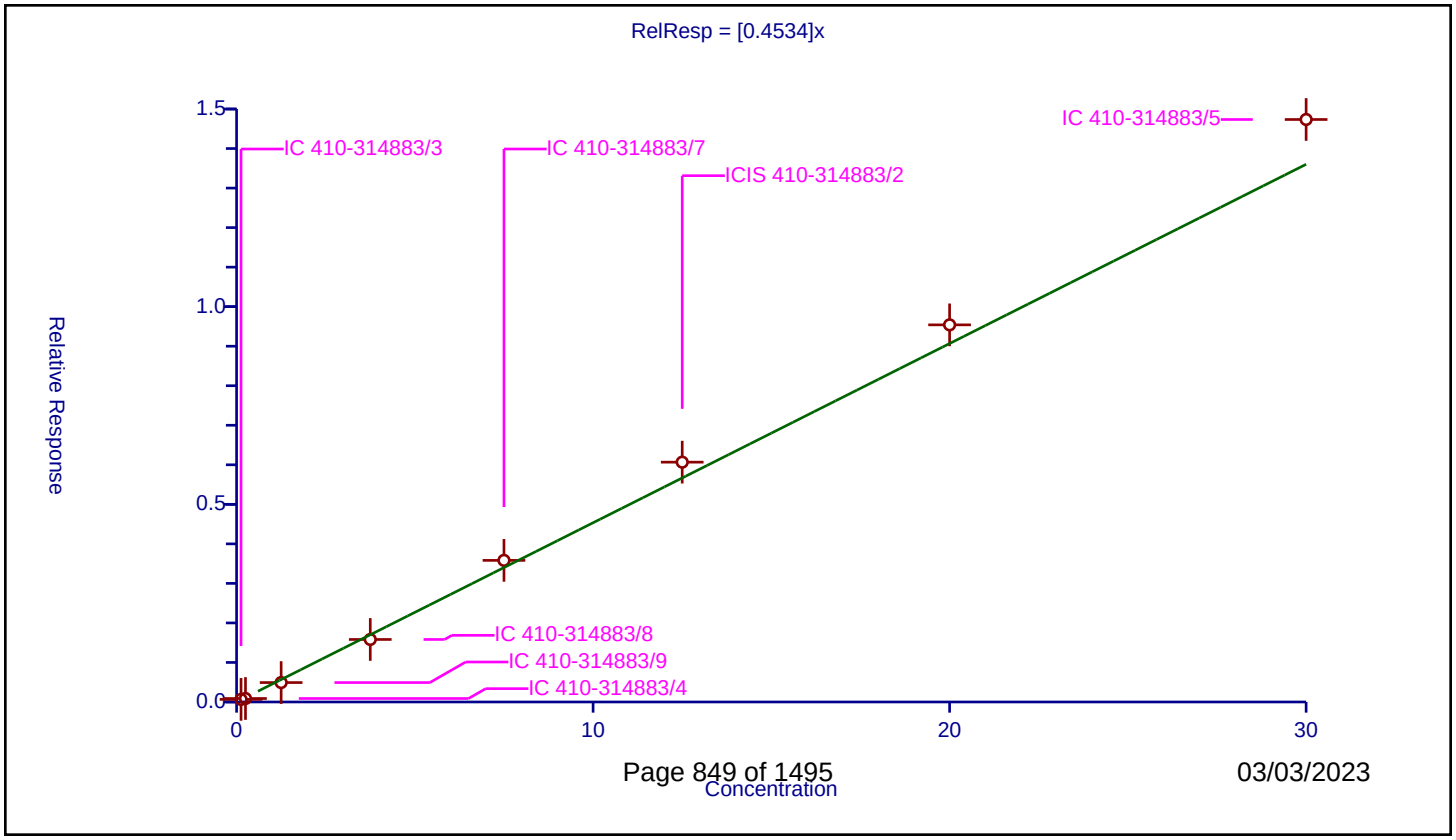
Curve Coefficients

Intercept:	0
Slope:	0.4534

Error Coefficients

Standard Error:	366000
Relative Standard Error:	12.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.066035	5.0	243431.0	0.528281	Y
2	IC 410-314883/4	0.25	0.088147	5.0	235118.0	0.352589	Y
3	IC 410-314883/9	1.25	0.491613	5.0	254916.0	0.39329	Y
4	IC 410-314883/8	3.75	1.58132	5.0	244552.0	0.421685	Y
5	IC 410-314883/7	7.5	3.582571	5.0	249681.0	0.477676	Y
6	ICIS 410-314883/2	12.5	6.066686	5.0	260175.0	0.485335	Y
7	IC 410-314883/6	20.0	9.539866	5.0	262456.0	0.476993	Y
8	IC 410-314883/5	30.0	14.734844	5.0	251060.0	0.491161	Y



Calibration / 2-Fluorobiphenyl (Surr)

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

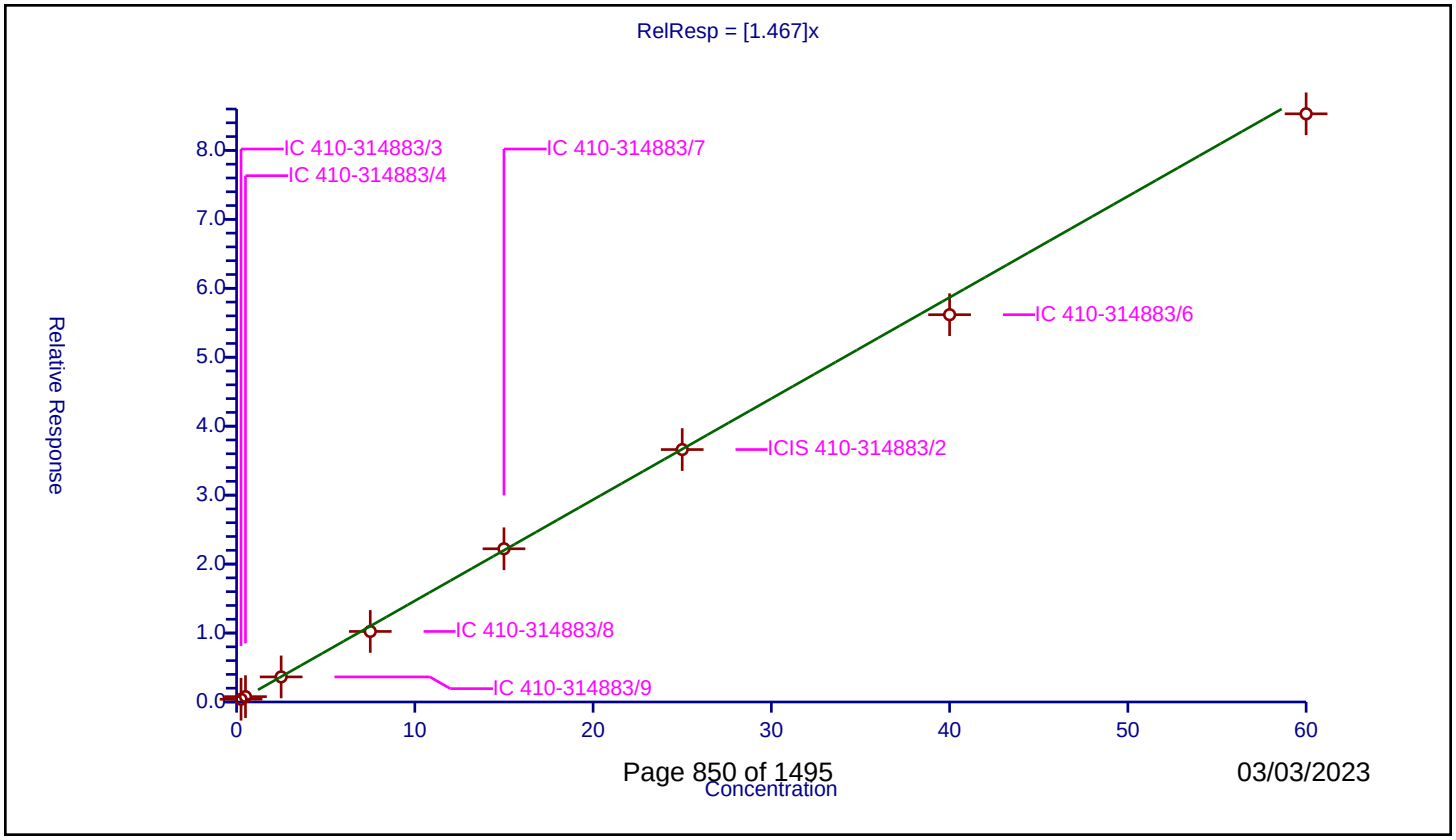
Curve Coefficients

Intercept:	0
Slope:	1.467

Error Coefficients

Standard Error:	2140000
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 410-314883/3	0.25	0.398347	5.0	243431.0	1.593388	Y
2	IC 410-314883/4	0.5	0.775292	5.0	235118.0	1.550583	Y
3	IC 410-314883/9	2.5	3.637787	5.0	254916.0	1.455115	Y
4	IC 410-314883/8	7.5	10.231444	5.0	244552.0	1.364192	Y
5	IC 410-314883/7	15.0	22.219833	5.0	249681.0	1.481322	Y
6	ICIS 410-314883/2	25.0	36.611646	5.0	260175.0	1.464466	Y
7	IC 410-314883/6	40.0	56.16911	5.0	262456.0	1.404228	Y
8	IC 410-314883/5	60.0	85.302517	5.0	251060.0	1.421709	Y



Calibration / Isosafrole Peak 2

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

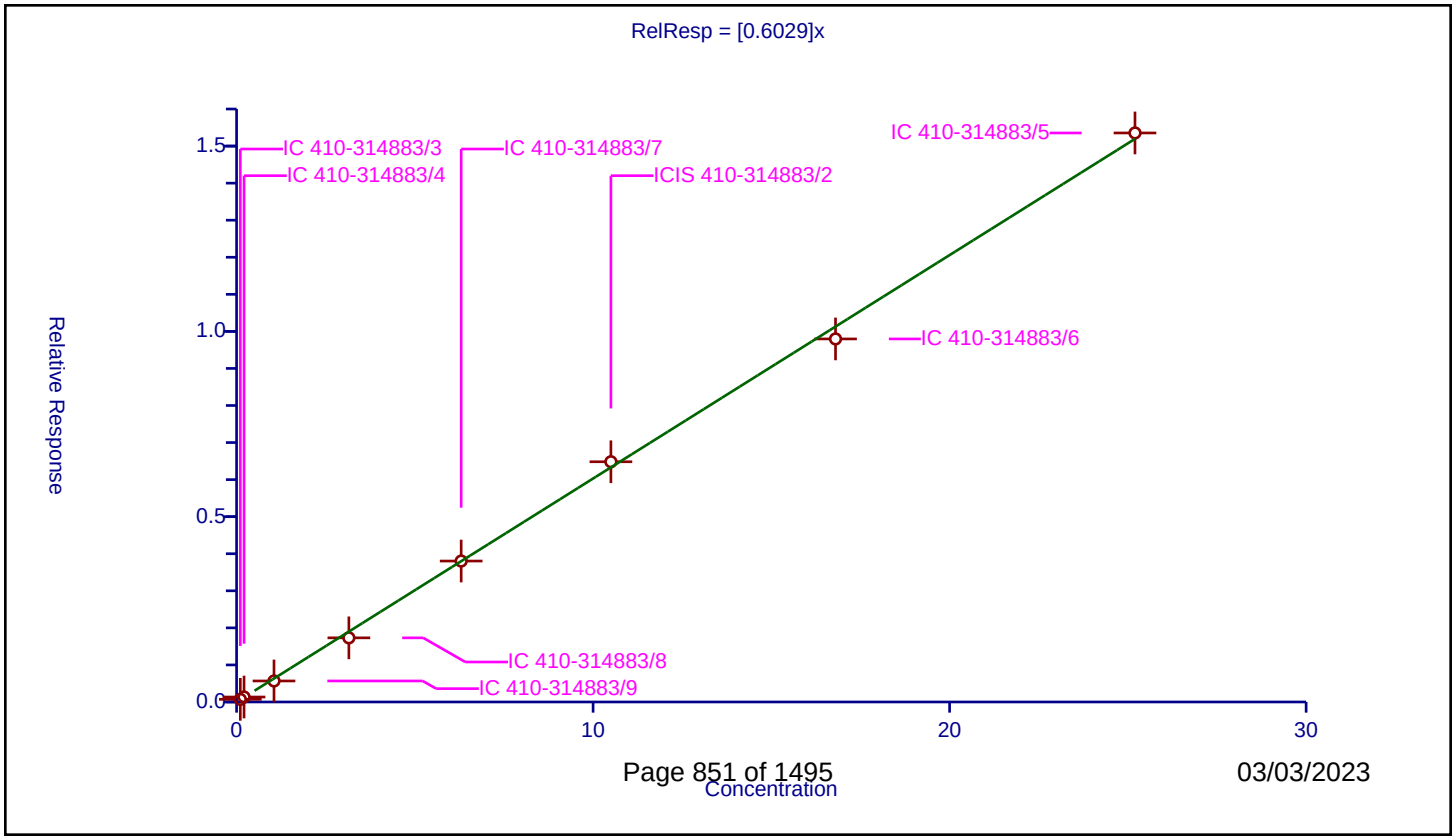
Curve Coefficients

Intercept:	0
Slope:	0.6029

Error Coefficients

Standard Error:	381000
Relative Standard Error:	7.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.105	0.071375	5.0	243431.0	0.679766	Y
2	IC 410-314883/4	0.21	0.134464	5.0	235118.0	0.640307	Y
3	IC 410-314883/9	1.05	0.567618	5.0	254916.0	0.540589	Y
4	IC 410-314883/8	3.15	1.730593	5.0	244552.0	0.549395	Y
5	IC 410-314883/7	6.3	3.803073	5.0	249681.0	0.603662	Y
6	ICIS 410-314883/2	10.5	6.482137	5.0	260175.0	0.617346	Y
7	IC 410-314883/6	16.8	9.795947	5.0	262456.0	0.583092	Y
8	IC 410-314883/5	25.2	15.353939	5.0	251060.0	0.609283	Y



Calibration / 1,1'-Biphenyl

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

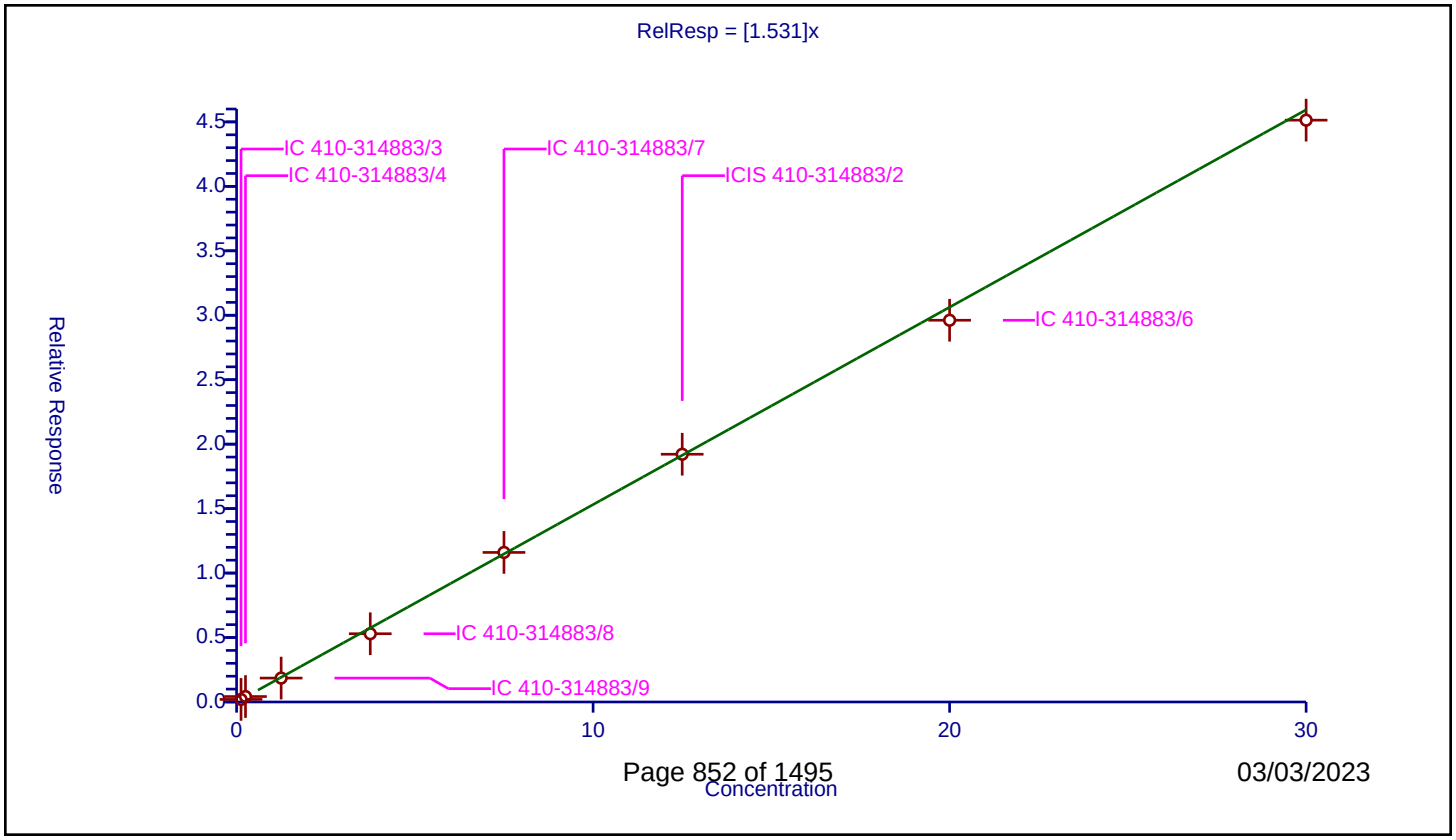
Curve Coefficients

Intercept:	0
Slope:	1.531

Error Coefficients

Standard Error:	1130000
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 410-314883/3	0.125	0.198619	5.0	243431.0	1.588951	Y
2	IC 410-314883/4	0.25	0.423851	5.0	235118.0	1.695404	Y
3	IC 410-314883/9	1.25	1.855415	5.0	254916.0	1.484332	Y
4	IC 410-314883/8	3.75	5.294518	5.0	244552.0	1.411872	Y
5	IC 410-314883/7	7.5	11.603045	5.0	249681.0	1.547073	Y
6	ICIS 410-314883/2	12.5	19.219448	5.0	260175.0	1.537556	Y
7	IC 410-314883/6	20.0	29.614716	5.0	262456.0	1.480736	Y
8	IC 410-314883/5	30.0	45.135027	5.0	251060.0	1.504501	Y



Calibration / 2-Chloronaphthalene

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

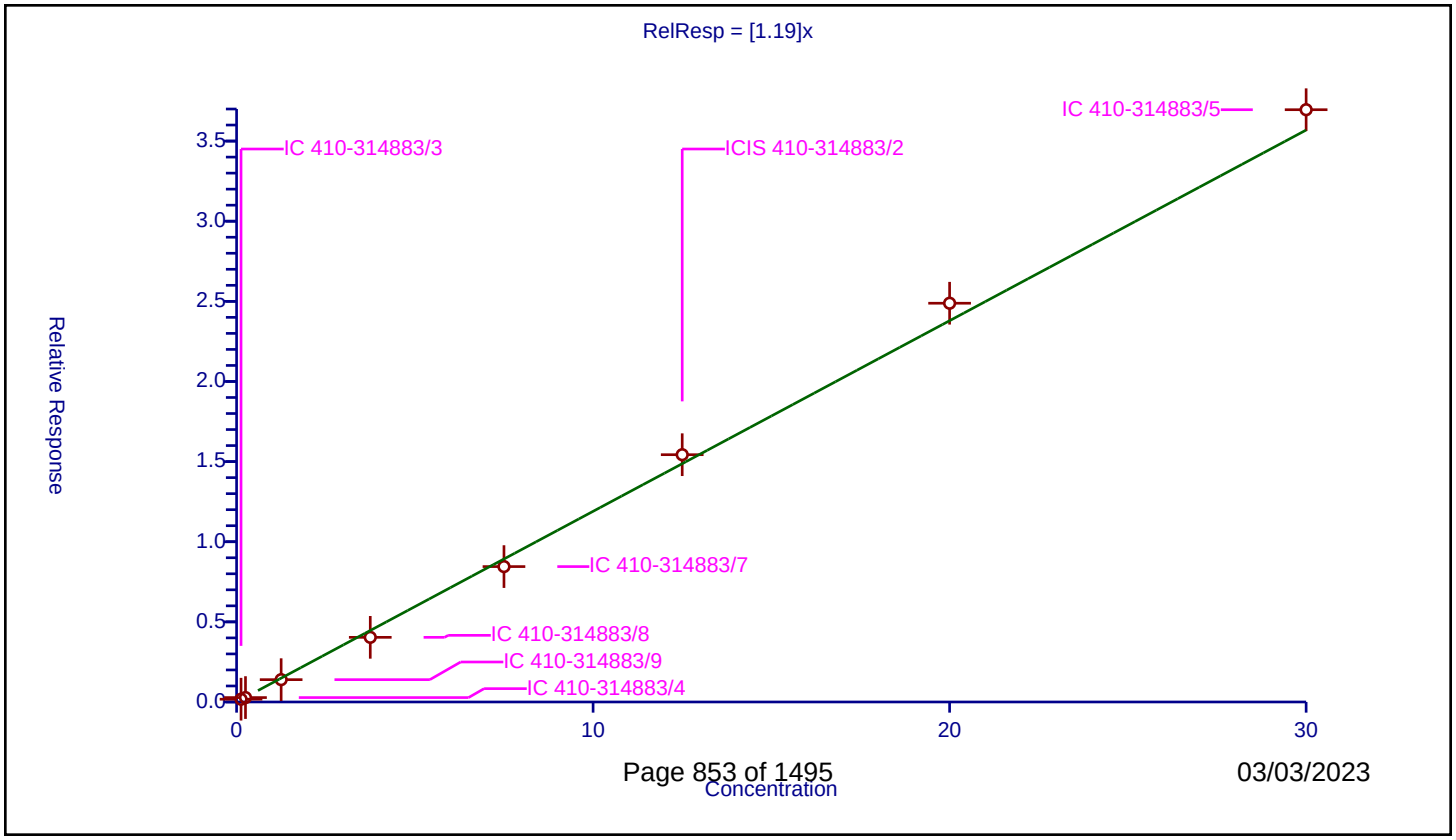
Curve Coefficients

Intercept:	0
Slope:	1.19

Error Coefficients

Standard Error:	927000
Relative Standard Error:	8.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.173293	5.0	243431.0	1.386348	Y
2	IC 410-314883/4	0.25	0.275883	5.0	235118.0	1.103531	Y
3	IC 410-314883/9	1.25	1.392753	5.0	254916.0	1.114202	Y
4	IC 410-314883/8	3.75	4.033375	5.0	244552.0	1.075567	Y
5	IC 410-314883/7	7.5	8.44844	5.0	249681.0	1.126459	Y
6	ICIS 410-314883/2	12.5	15.430326	5.0	260175.0	1.234426	Y
7	IC 410-314883/6	20.0	24.881904	5.0	262456.0	1.244095	Y
8	IC 410-314883/5	30.0	36.956564	5.0	251060.0	1.231885	Y



Calibration / 1-Chloronaphthalene

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

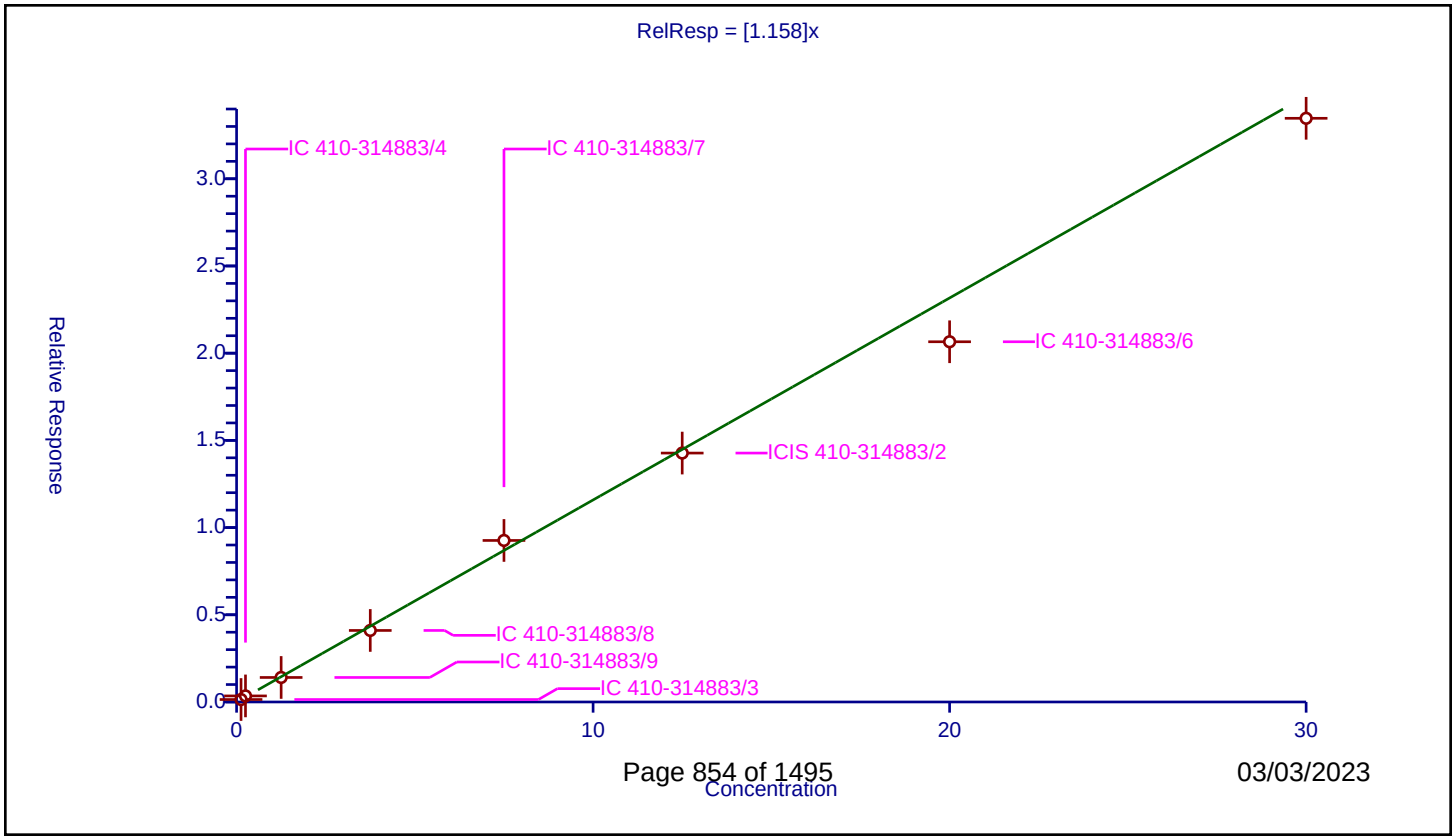
Curve Coefficients

Intercept:	0
Slope:	1.158

Error Coefficients

Standard Error:	829000
Relative Standard Error:	9.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.141087	5.0	243431.0	1.128698	Y
2	IC 410-314883/4	0.25	0.348548	5.0	235118.0	1.394194	Y
3	IC 410-314883/9	1.25	1.406051	5.0	254916.0	1.124841	Y
4	IC 410-314883/8	3.75	4.101377	5.0	244552.0	1.093701	Y
5	IC 410-314883/7	7.5	9.261858	5.0	249681.0	1.234914	Y
6	ICIS 410-314883/2	12.5	14.27199	5.0	260175.0	1.141759	Y
7	IC 410-314883/6	20.0	20.654948	5.0	262456.0	1.032747	Y
8	IC 410-314883/5	30.0	33.467617	5.0	251060.0	1.115587	Y



Calibration / Phenyl ether

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

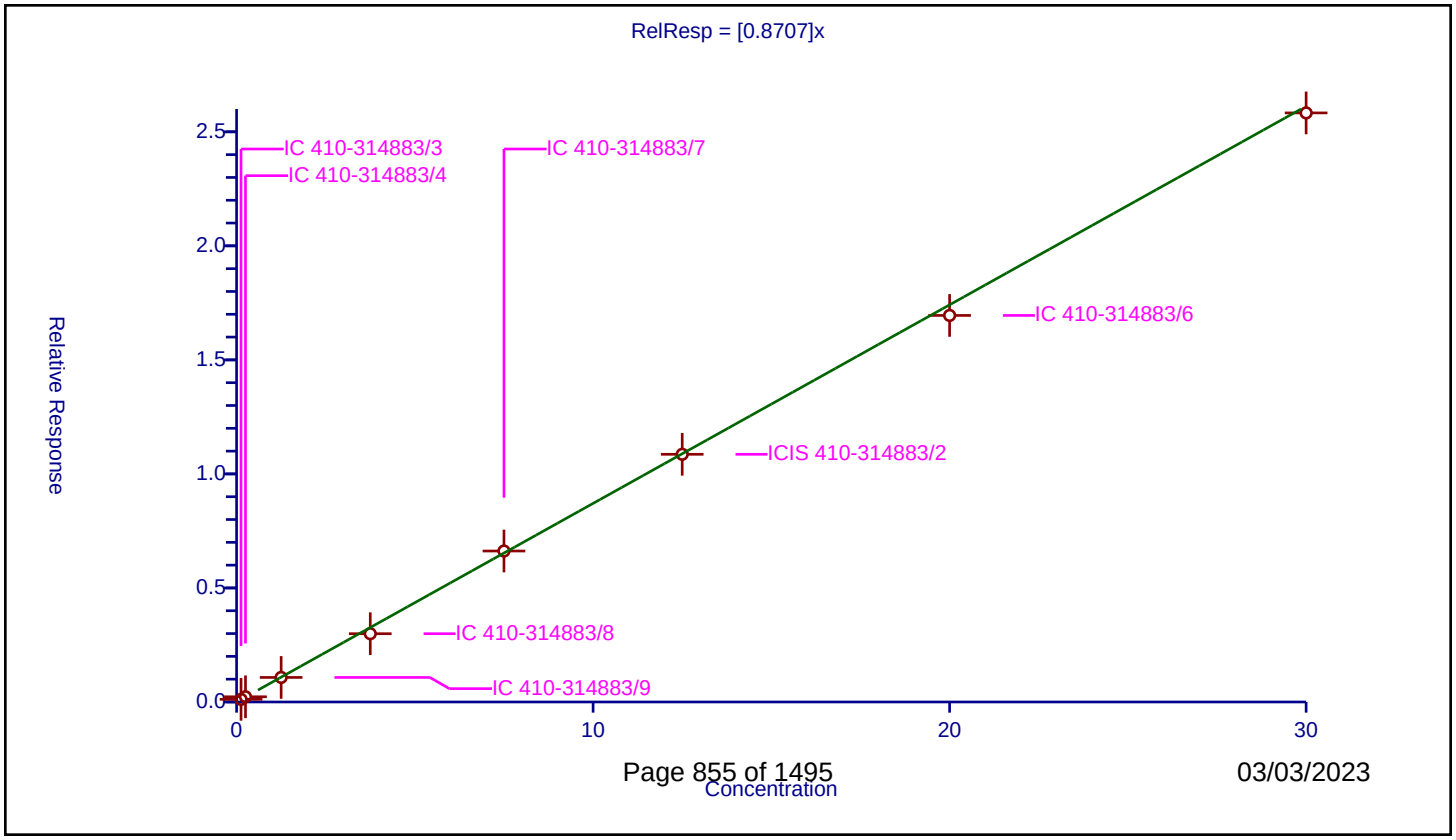
Curve Coefficients

Intercept:	0
Slope:	0.8707

Error Coefficients

Standard Error:	647000
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 410-314883/3	0.125	0.116604	5.0	243431.0	0.932831	Y
2	IC 410-314883/4	0.25	0.228502	5.0	235118.0	0.914009	Y
3	IC 410-314883/9	1.25	1.075747	5.0	254916.0	0.860597	Y
4	IC 410-314883/8	3.75	2.994353	5.0	244552.0	0.798494	Y
5	IC 410-314883/7	7.5	6.619466	5.0	249681.0	0.882596	Y
6	ICIS 410-314883/2	12.5	10.860767	5.0	260175.0	0.868861	Y
7	IC 410-314883/6	20.0	16.94926	5.0	262456.0	0.847463	Y
8	IC 410-314883/5	30.0	25.829065	5.0	251060.0	0.860969	Y



Calibration / 2-Nitroaniline

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

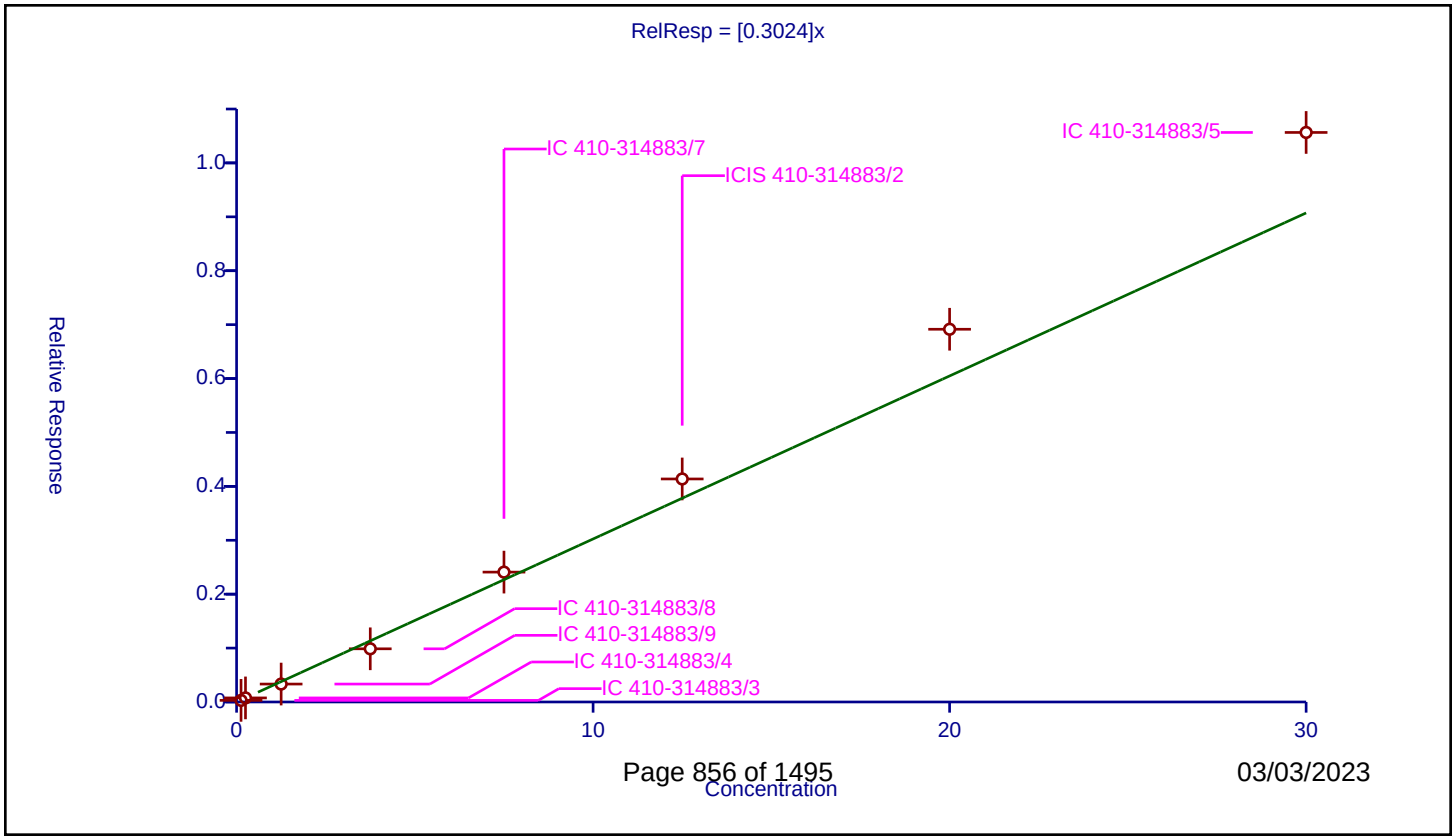
Curve Coefficients

Intercept:	0
Slope:	0.3024

Error Coefficients

Standard Error:	261000
Relative Standard Error:	13.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.029865	5.0	243431.0	0.238918	Y
2	IC 410-314883/4	0.25	0.075239	5.0	235118.0	0.300955	Y
3	IC 410-314883/9	1.25	0.332776	5.0	254916.0	0.266221	Y
4	IC 410-314883/8	3.75	0.986477	5.0	244552.0	0.263061	Y
5	IC 410-314883/7	7.5	2.409134	5.0	249681.0	0.321218	Y
6	ICIS 410-314883/2	12.5	4.13735	5.0	260175.0	0.330988	Y
7	IC 410-314883/6	20.0	6.914473	5.0	262456.0	0.345724	Y
8	IC 410-314883/5	30.0	10.565303	5.0	251060.0	0.352177	Y



Calibration / 1,4-Naphthoquinone

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

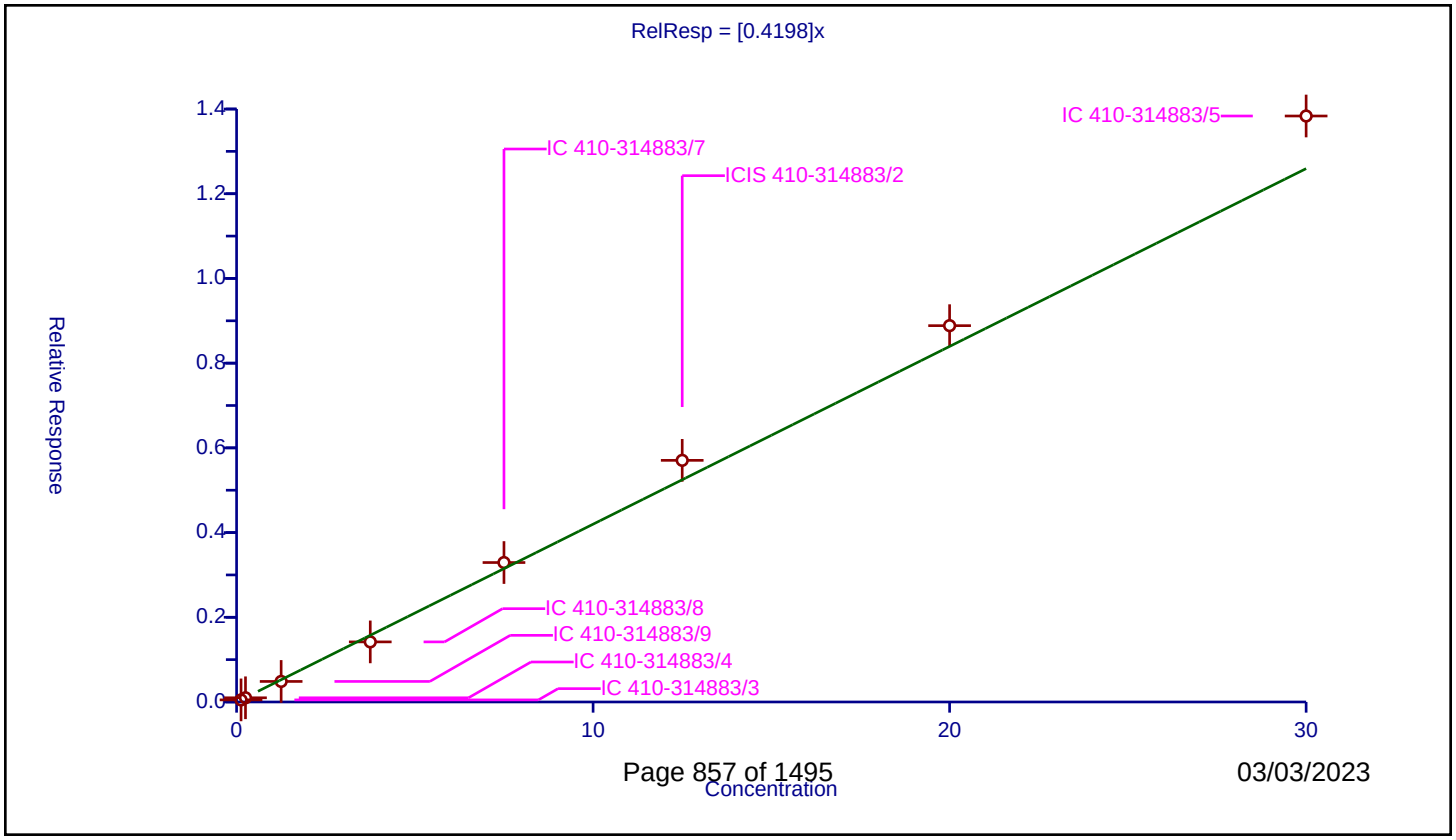
Curve Coefficients

Intercept:	0
Slope:	0.4198

Error Coefficients

Standard Error:	342000
Relative Standard Error:	8.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.049275	5.0	243431.0	0.394198	Y
2	IC 410-314883/4	0.25	0.099184	5.0	235118.0	0.396737	Y
3	IC 410-314883/9	1.25	0.484885	5.0	254916.0	0.387908	Y
4	IC 410-314883/8	3.75	1.418942	5.0	244552.0	0.378384	Y
5	IC 410-314883/7	7.5	3.292421	5.0	249681.0	0.438989	Y
6	ICIS 410-314883/2	12.5	5.704872	5.0	260175.0	0.45639	Y
7	IC 410-314883/6	20.0	8.885451	5.0	262456.0	0.444273	Y
8	IC 410-314883/5	30.0	13.834741	5.0	251060.0	0.461158	Y



03/03/2023

Calibration / 1,4-Dinitrobenzene

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

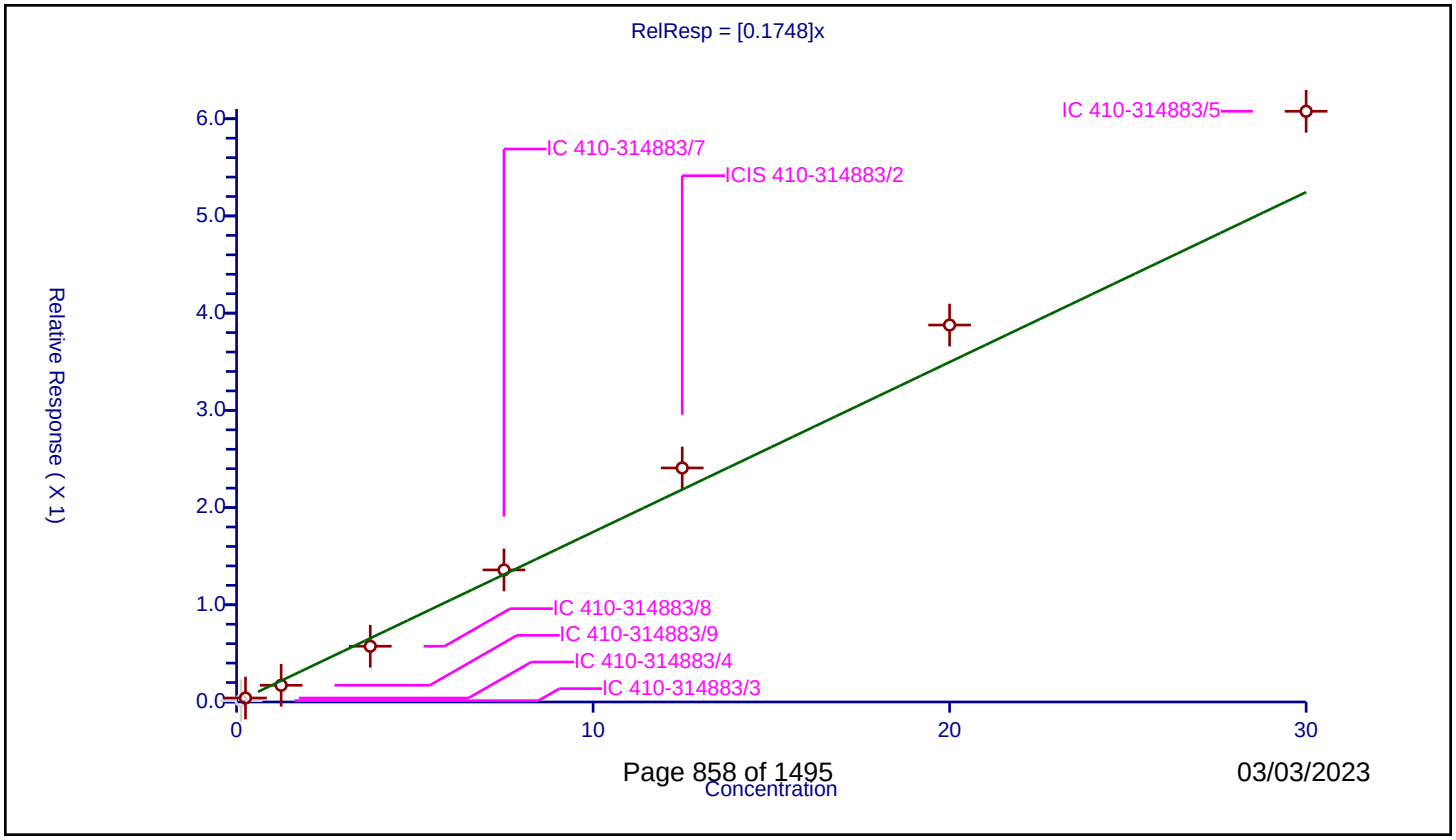
Curve Coefficients

Intercept:	0
Slope:	0.1748

Error Coefficients

Standard Error:	161000
Relative Standard Error:	13.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.013967	5.0	243431.0	0.111736	N
2	IC 410-314883/4	0.25	0.040809	5.0	235118.0	0.163237	Y
3	IC 410-314883/9	1.25	0.171821	5.0	254916.0	0.137457	Y
4	IC 410-314883/8	3.75	0.573395	5.0	244552.0	0.152905	Y
5	IC 410-314883/7	7.5	1.358554	5.0	249681.0	0.18114	Y
6	ICIS 410-314883/2	12.5	2.407495	5.0	260175.0	0.1926	Y
7	IC 410-314883/6	20.0	3.877755	5.0	262456.0	0.193888	Y
8	IC 410-314883/5	30.0	6.076555	5.0	251060.0	0.202552	Y



03/03/2023

Calibration / Dimethyl phthalate

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

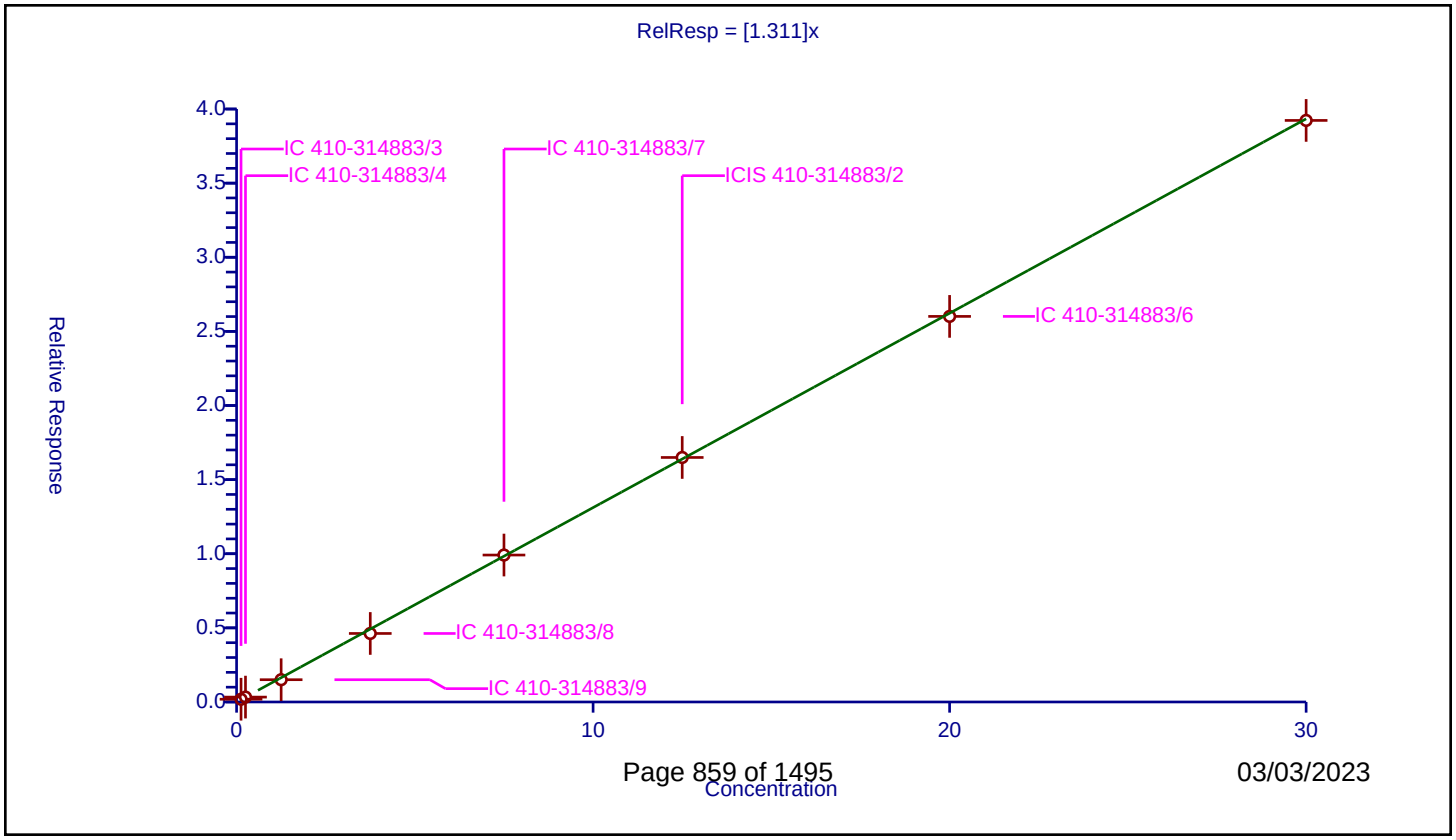
Curve Coefficients

Intercept:	0
Slope:	1.311

Error Coefficients

Standard Error:	984000
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 410-314883/3	0.125	0.186192	5.0	243431.0	1.489539	Y
2	IC 410-314883/4	0.25	0.329196	5.0	235118.0	1.316786	Y
3	IC 410-314883/9	1.25	1.502652	5.0	254916.0	1.202121	Y
4	IC 410-314883/8	3.75	4.621451	5.0	244552.0	1.232387	Y
5	IC 410-314883/7	7.5	9.912448	5.0	249681.0	1.32166	Y
6	ICIS 410-314883/2	12.5	16.494187	5.0	260175.0	1.319535	Y
7	IC 410-314883/6	20.0	26.009712	5.0	262456.0	1.300486	Y
8	IC 410-314883/5	30.0	39.229626	5.0	251060.0	1.307654	Y



Calibration / 1,3-Dinitrobenzene

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

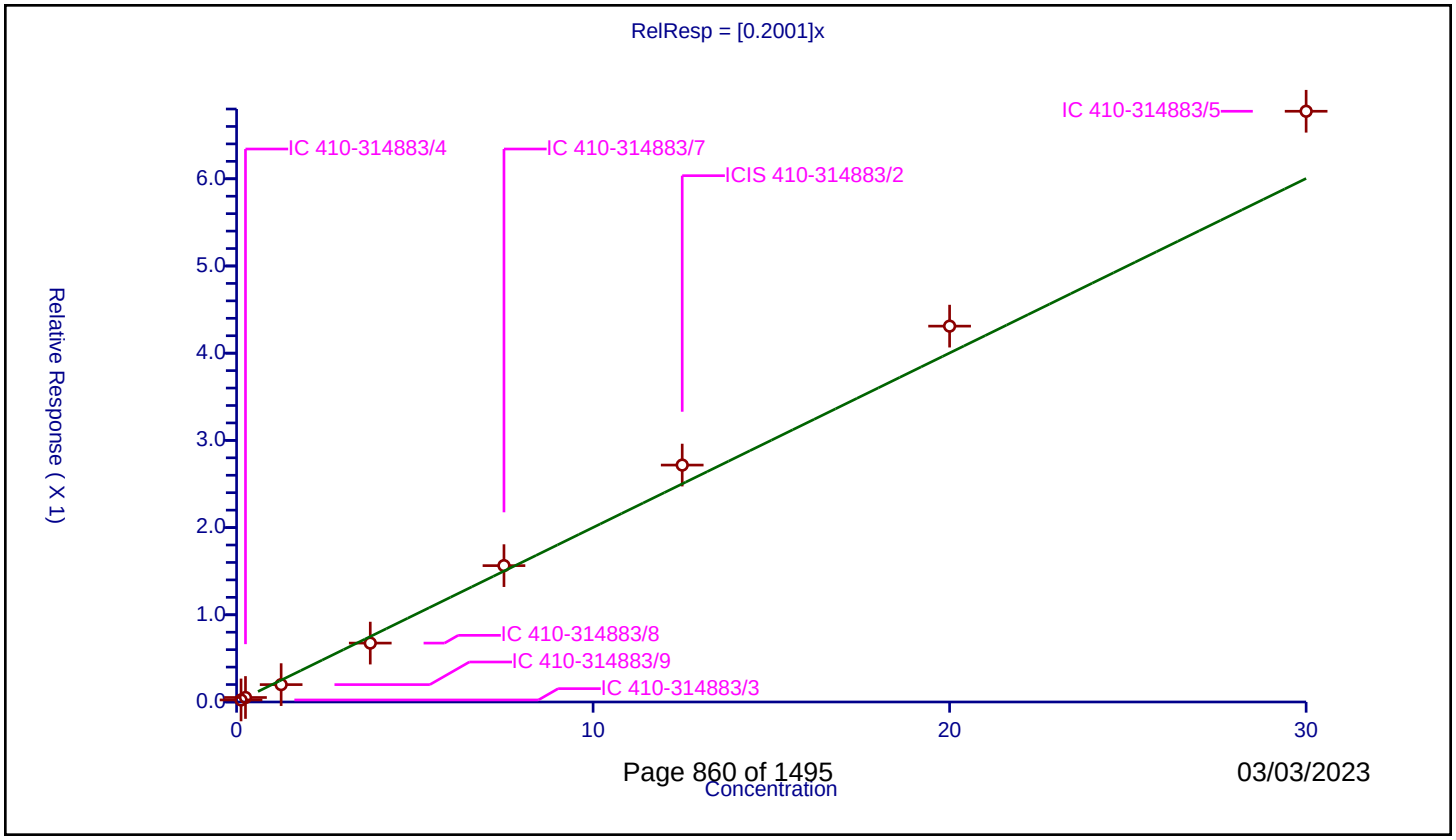
Curve Coefficients

Intercept:	0
Slope:	0.2001

Error Coefficients

Standard Error:	167000
Relative Standard Error:	11.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.023497	5.0	243431.0	0.187979	Y
2	IC 410-314883/4	0.25	0.051591	5.0	235118.0	0.206364	Y
3	IC 410-314883/9	1.25	0.199105	5.0	254916.0	0.159284	Y
4	IC 410-314883/8	3.75	0.675255	5.0	244552.0	0.180068	Y
5	IC 410-314883/7	7.5	1.563815	5.0	249681.0	0.208509	Y
6	ICIS 410-314883/2	12.5	2.717017	5.0	260175.0	0.217361	Y
7	IC 410-314883/6	20.0	4.310284	5.0	262456.0	0.215514	Y
8	IC 410-314883/5	30.0	6.774337	5.0	251060.0	0.225811	Y



Calibration / 2,6-Dinitrotoluene

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

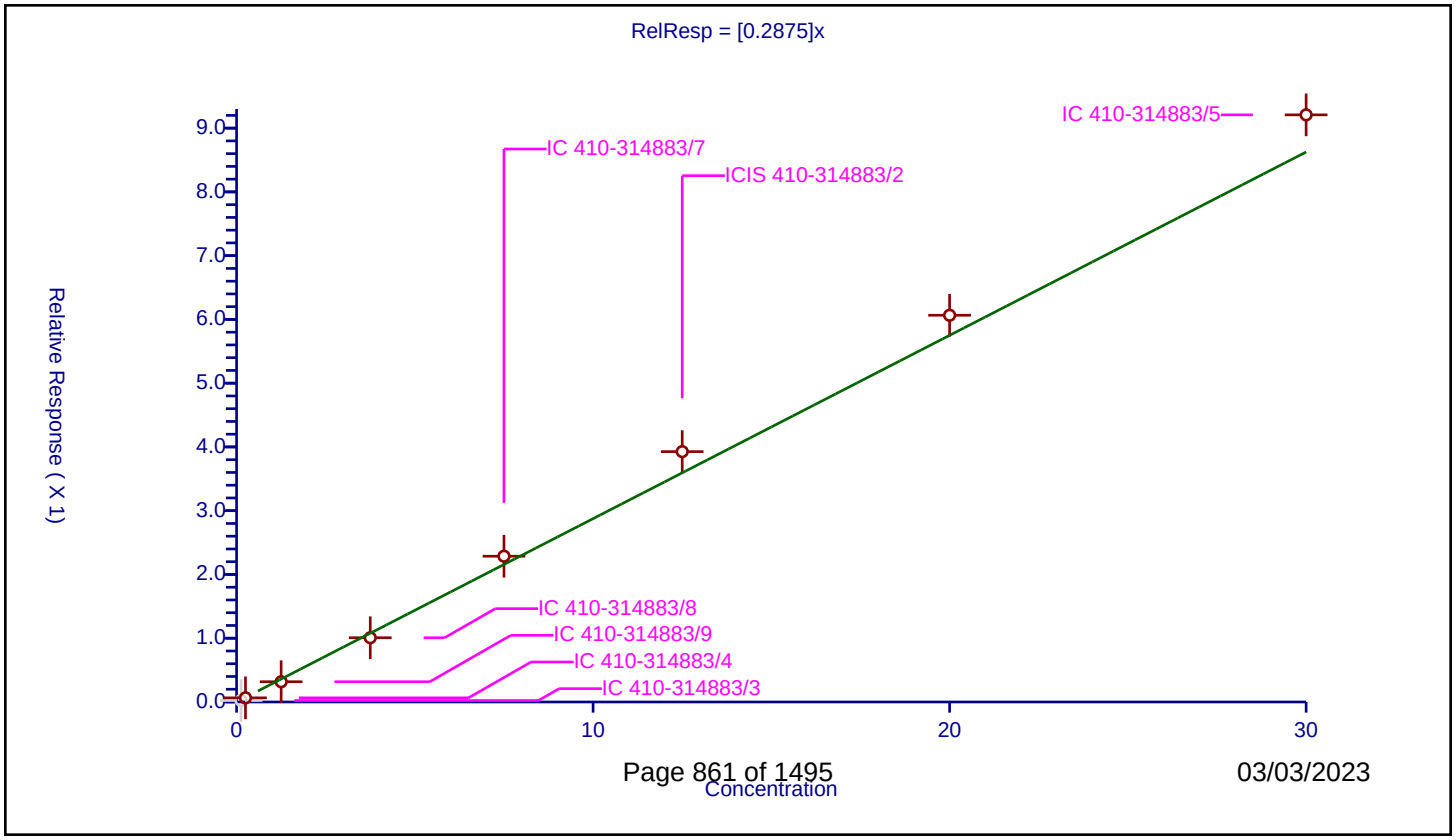
Curve Coefficients

Intercept:	0
Slope:	0.2875

Error Coefficients

Standard Error:	249000
Relative Standard Error:	8.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.023066	5.0	243431.0	0.184529	N
2	IC 410-314883/4	0.25	0.065201	5.0	235118.0	0.260805	Y
3	IC 410-314883/9	1.25	0.317477	5.0	254916.0	0.253982	Y
4	IC 410-314883/8	3.75	1.007557	5.0	244552.0	0.268682	Y
5	IC 410-314883/7	7.5	2.286217	5.0	249681.0	0.304829	Y
6	ICIS 410-314883/2	12.5	3.926626	5.0	260175.0	0.31413	Y
7	IC 410-314883/6	20.0	6.06555	5.0	262456.0	0.303278	Y
8	IC 410-314883/5	30.0	9.208436	5.0	251060.0	0.306948	Y



Calibration / Acenaphthylene

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

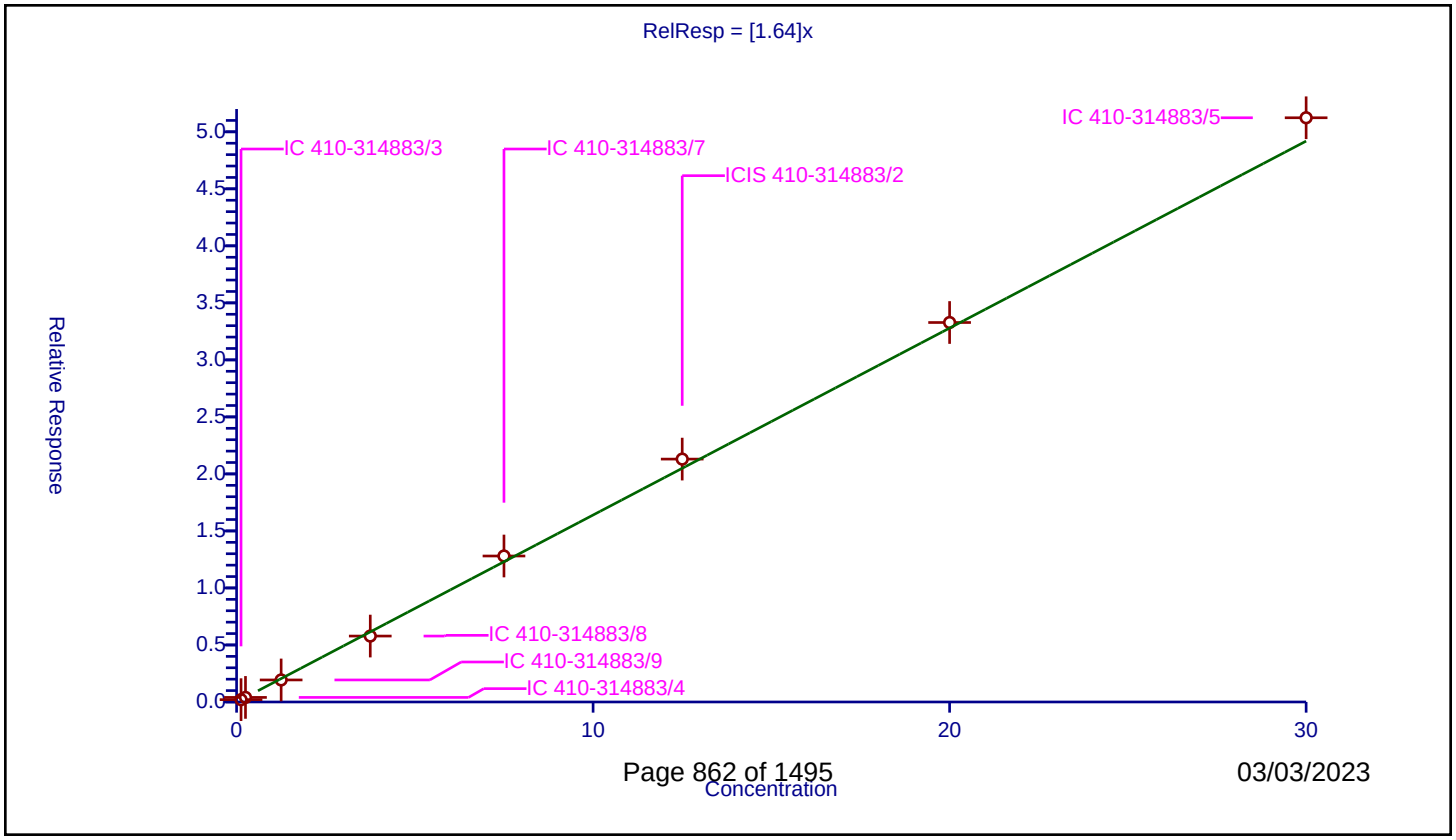
Curve Coefficients

Intercept:	0
Slope:	1.64

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.205233	5.0	243431.0	1.641862	Y
2	IC 410-314883/4	0.25	0.401139	5.0	235118.0	1.604556	Y
3	IC 410-314883/9	1.25	1.931617	5.0	254916.0	1.545293	Y
4	IC 410-314883/8	3.75	5.782124	5.0	244552.0	1.5419	Y
5	IC 410-314883/7	7.5	12.801615	5.0	249681.0	1.706882	Y
6	ICIS 410-314883/2	12.5	21.300048	5.0	260175.0	1.704004	Y
7	IC 410-314883/6	20.0	33.27794	5.0	262456.0	1.663897	Y
8	IC 410-314883/5	30.0	51.233371	5.0	251060.0	1.707779	Y



03/03/2023

Calibration / 3-Nitroaniline

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

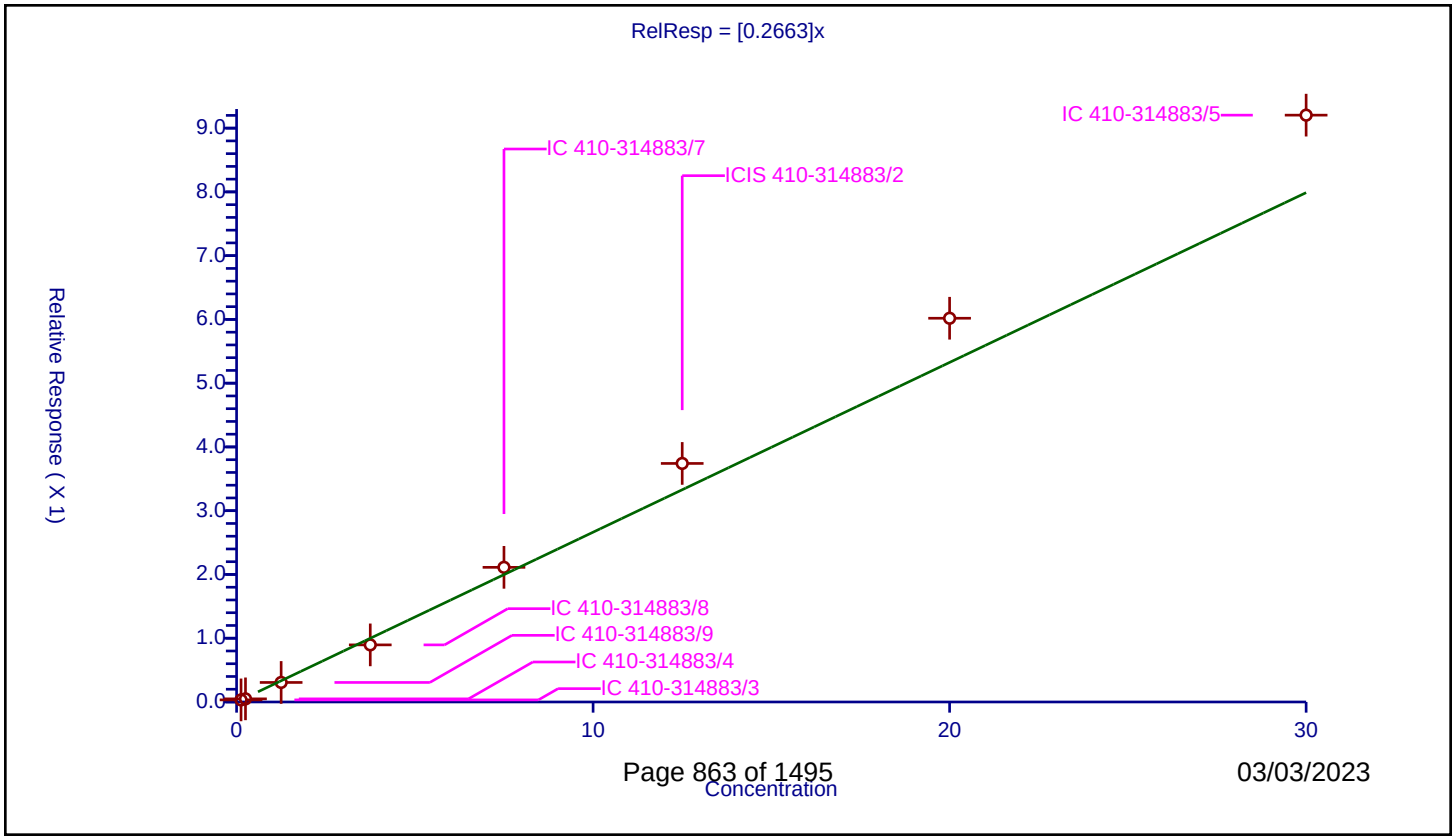
Curve Coefficients

Intercept:	0
Slope:	0.2663

Error Coefficients

Standard Error:	228000
Relative Standard Error:	14.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.032679	5.0	243431.0	0.261429	Y
2	IC 410-314883/4	0.25	0.049039	5.0	235118.0	0.196157	Y
3	IC 410-314883/9	1.25	0.306415	5.0	254916.0	0.245132	Y
4	IC 410-314883/8	3.75	0.895781	5.0	244552.0	0.238875	Y
5	IC 410-314883/7	7.5	2.111955	5.0	249681.0	0.281594	Y
6	ICIS 410-314883/2	12.5	3.741193	5.0	260175.0	0.299295	Y
7	IC 410-314883/6	20.0	6.01838	5.0	262456.0	0.300919	Y
8	IC 410-314883/5	30.0	9.203836	5.0	251060.0	0.306795	Y



Calibration / Acenaphthene

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

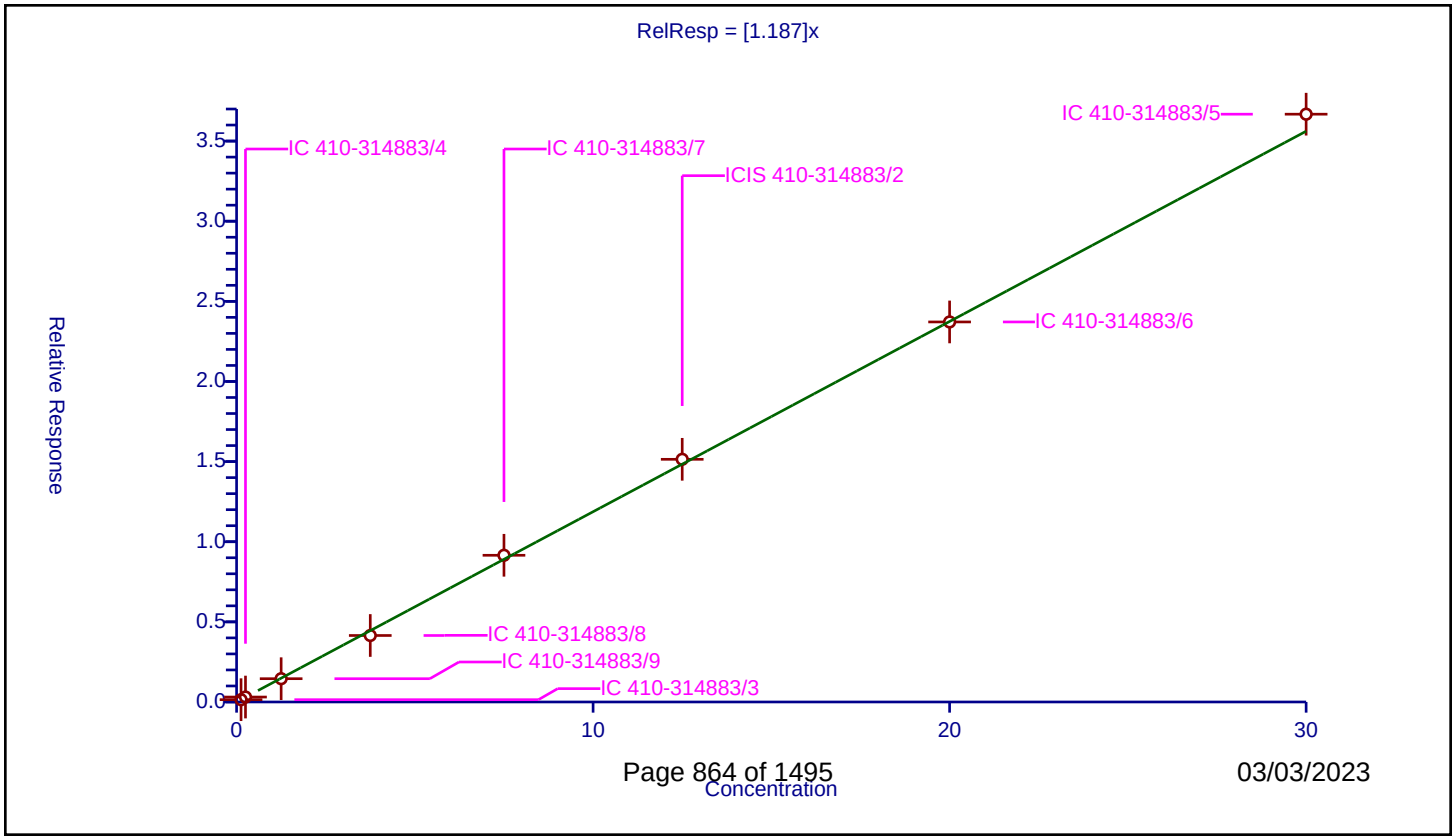
Curve Coefficients

Intercept:	0
Slope:	1.187

Error Coefficients

Standard Error:	912000
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 410-314883/3	0.125	0.144107	5.0	243431.0	1.152852	Y
2	IC 410-314883/4	0.25	0.308802	5.0	235118.0	1.23521	Y
3	IC 410-314883/9	1.25	1.453165	5.0	254916.0	1.162532	Y
4	IC 410-314883/8	3.75	4.14879	5.0	244552.0	1.106344	Y
5	IC 410-314883/7	7.5	9.154761	5.0	249681.0	1.220635	Y
6	ICIS 410-314883/2	12.5	15.142558	5.0	260175.0	1.211405	Y
7	IC 410-314883/6	20.0	23.71388	5.0	262456.0	1.185694	Y
8	IC 410-314883/5	30.0	36.677189	5.0	251060.0	1.222573	Y



Calibration / 2,4-Dinitrophenol

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

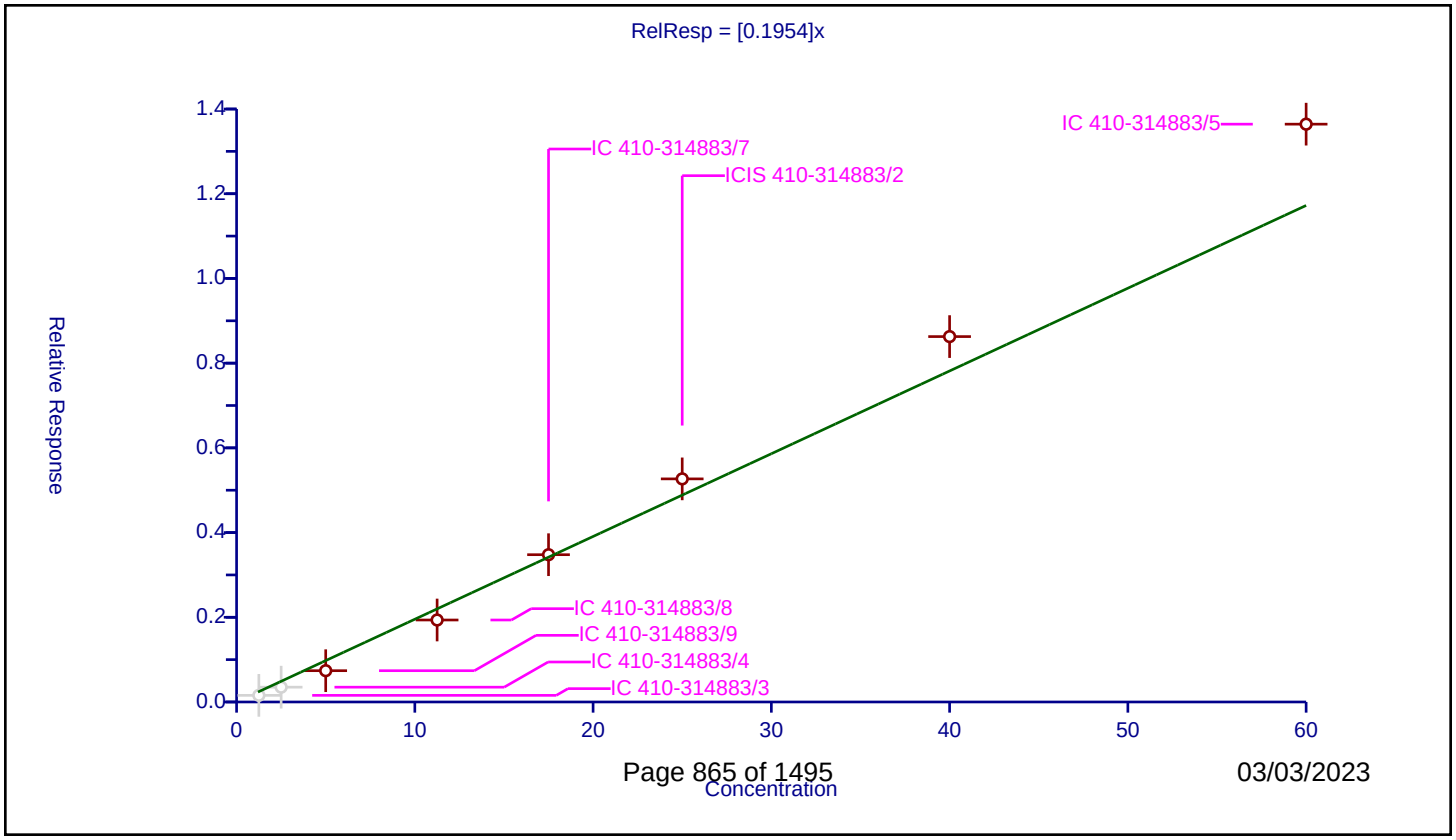
Curve Coefficients

Intercept:	0
Slope:	0.1954

Error Coefficients

Standard Error:	397000
Relative Standard Error:	15.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	1.25	0.156389	5.0	243431.0	0.125111	N
2	IC 410-314883/4	2.5	0.34942	5.0	235118.0	0.139768	N
3	IC 410-314883/9	5.0	0.738969	5.0	254916.0	0.147794	Y
4	IC 410-314883/8	11.25	1.935805	5.0	244552.0	0.172072	Y
5	IC 410-314883/7	17.5	3.477337	5.0	249681.0	0.198705	Y
6	ICIS 410-314883/2	25.0	5.267205	5.0	260175.0	0.210688	Y
7	IC 410-314883/6	40.0	8.626932	5.0	262456.0	0.215673	Y
8	IC 410-314883/5	60.0	13.642396	5.0	251060.0	0.227373	Y



Calibration / 4-Nitrophenol

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

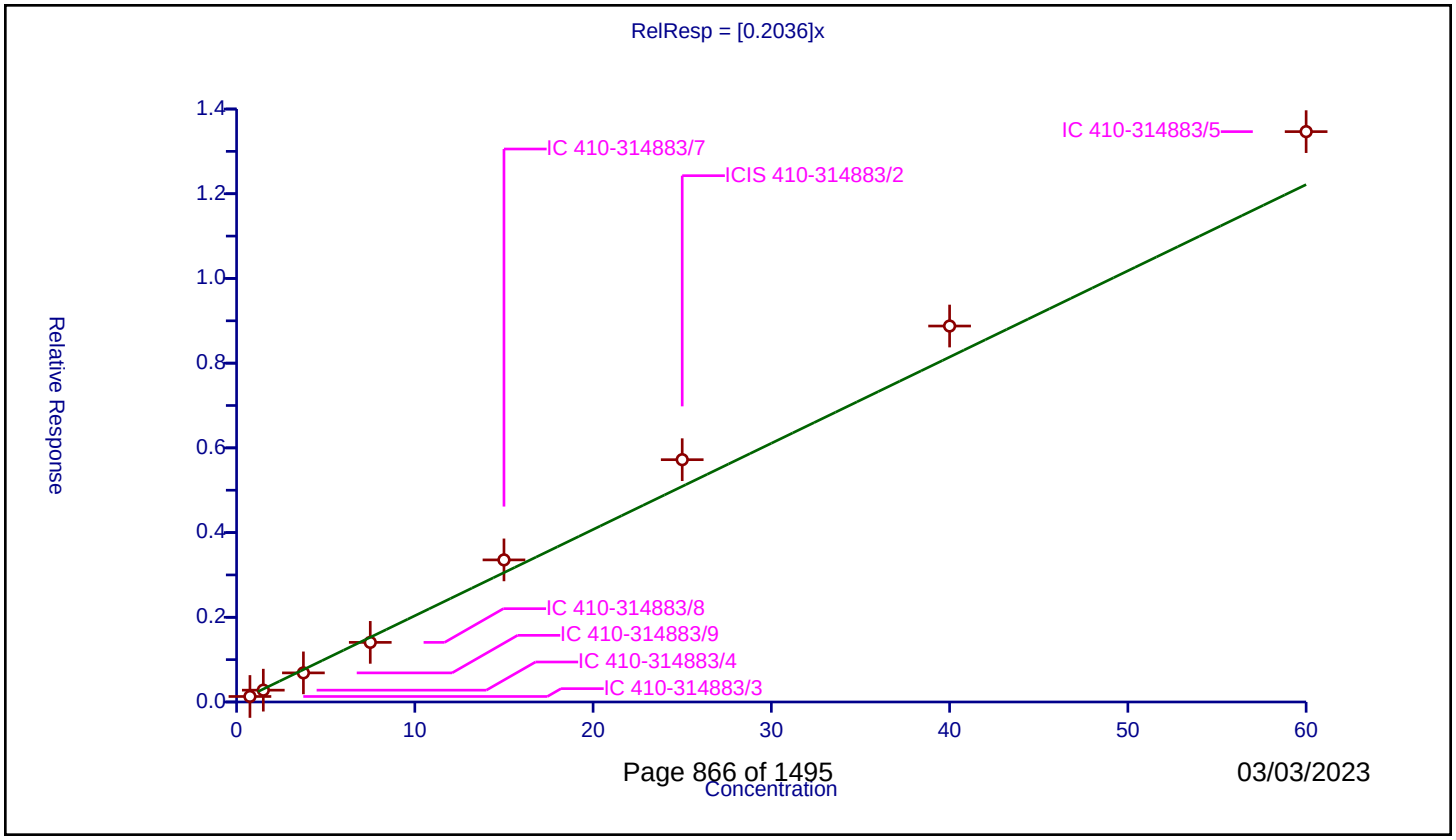
Curve Coefficients

Intercept:	0
Slope:	0.2036

Error Coefficients

Standard Error:	337000
Relative Standard Error:	11.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.75	0.129708	5.0	243431.0	0.172944	Y
2	IC 410-314883/4	1.5	0.27903	5.0	235118.0	0.18602	Y
3	IC 410-314883/9	3.75	0.687403	5.0	254916.0	0.183307	Y
4	IC 410-314883/8	7.5	1.407676	5.0	244552.0	0.18769	Y
5	IC 410-314883/7	15.0	3.354781	5.0	249681.0	0.223652	Y
6	ICIS 410-314883/2	25.0	5.721015	5.0	260175.0	0.228841	Y
7	IC 410-314883/6	40.0	8.876593	5.0	262456.0	0.221915	Y
8	IC 410-314883/5	60.0	13.465865	5.0	251060.0	0.224431	Y



Calibration / Pentachlorobenzene

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

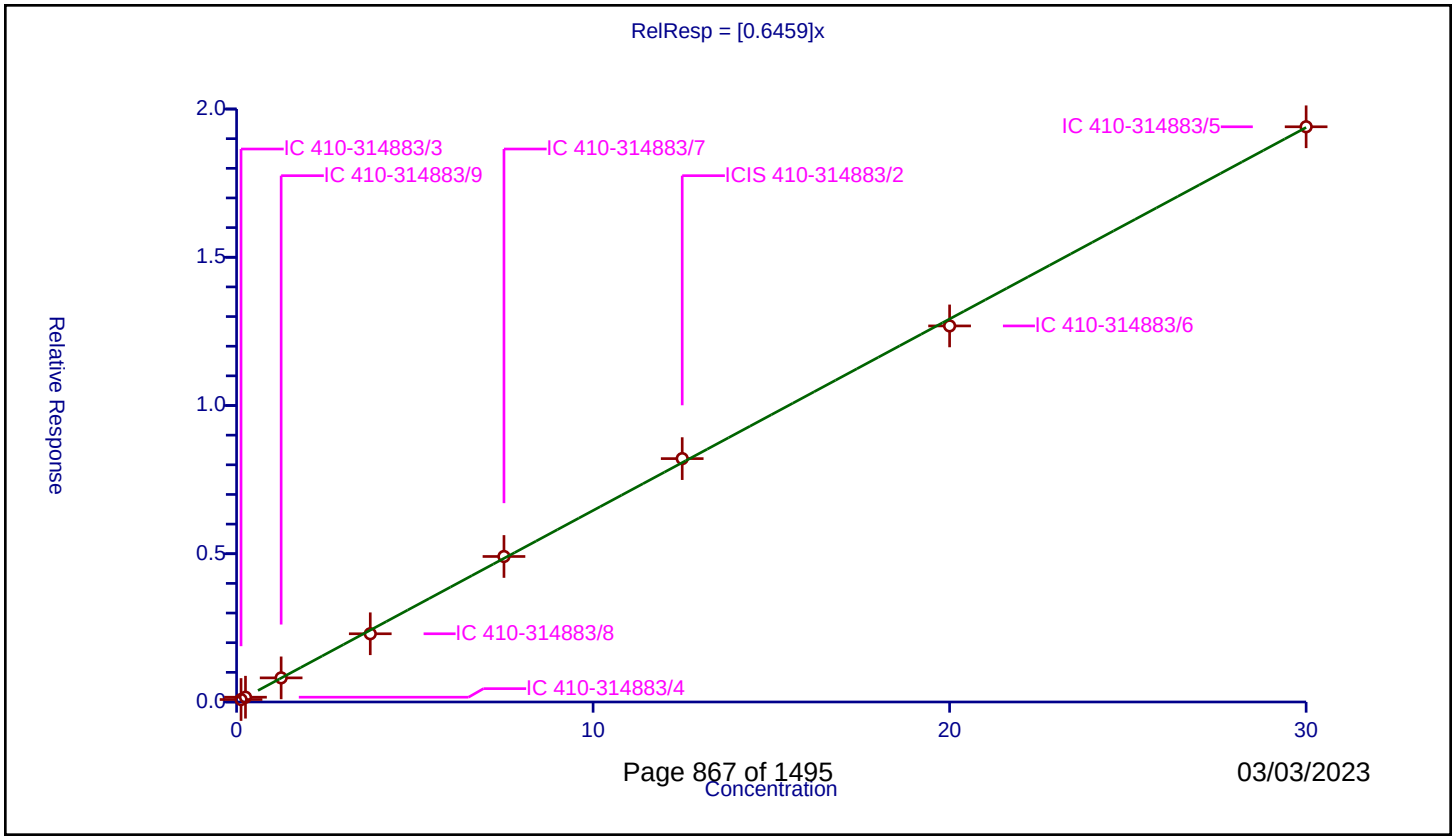
Curve Coefficients

Intercept:	0
Slope:	0.6459

Error Coefficients

Standard Error:	485000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.083206	5.0	243431.0	0.665651	Y
2	IC 410-314883/4	0.25	0.161323	5.0	235118.0	0.645293	Y
3	IC 410-314883/9	1.25	0.813405	5.0	254916.0	0.650724	Y
4	IC 410-314883/8	3.75	2.301167	5.0	244552.0	0.613645	Y
5	IC 410-314883/7	7.5	4.907542	5.0	249681.0	0.654339	Y
6	ICIS 410-314883/2	12.5	8.208321	5.0	260175.0	0.656666	Y
7	IC 410-314883/6	20.0	12.684298	5.0	262456.0	0.634215	Y
8	IC 410-314883/5	30.0	19.401298	5.0	251060.0	0.64671	Y



Calibration / 2,4-Dinitrotoluene

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

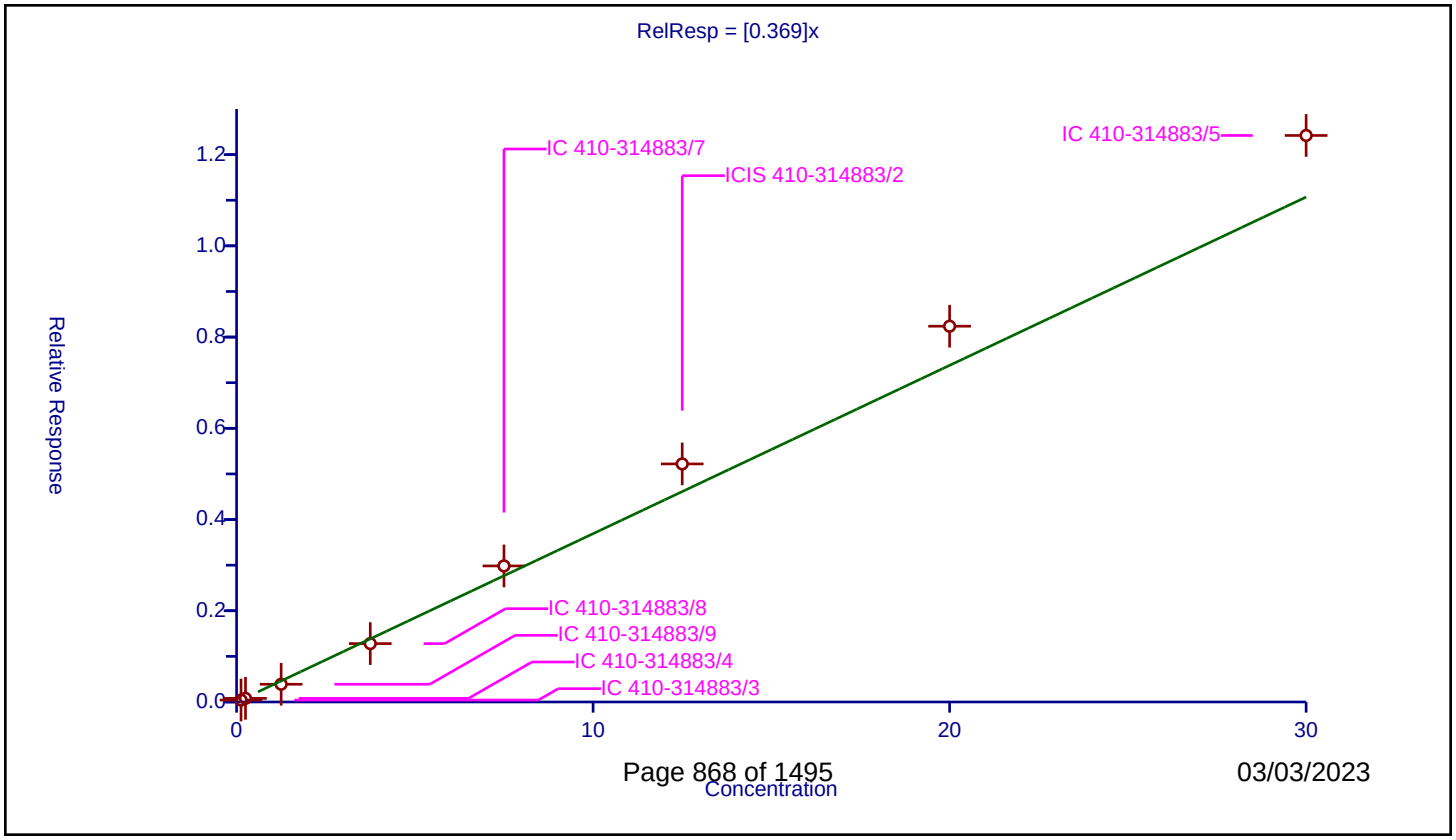
Curve Coefficients

Intercept:	0
Slope:	0.369

Error Coefficients

Standard Error:	311000
Relative Standard Error:	12.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.042373	5.0	243431.0	0.338987	Y
2	IC 410-314883/4	0.25	0.079768	5.0	235118.0	0.319074	Y
3	IC 410-314883/9	1.25	0.389148	5.0	254916.0	0.311318	Y
4	IC 410-314883/8	3.75	1.280239	5.0	244552.0	0.341397	Y
5	IC 410-314883/7	7.5	2.983287	5.0	249681.0	0.397772	Y
6	ICIS 410-314883/2	12.5	5.219275	5.0	260175.0	0.417542	Y
7	IC 410-314883/6	20.0	8.237971	5.0	262456.0	0.411899	Y
8	IC 410-314883/5	30.0	12.420238	5.0	251060.0	0.414008	Y



Calibration / Dibenzofuran

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

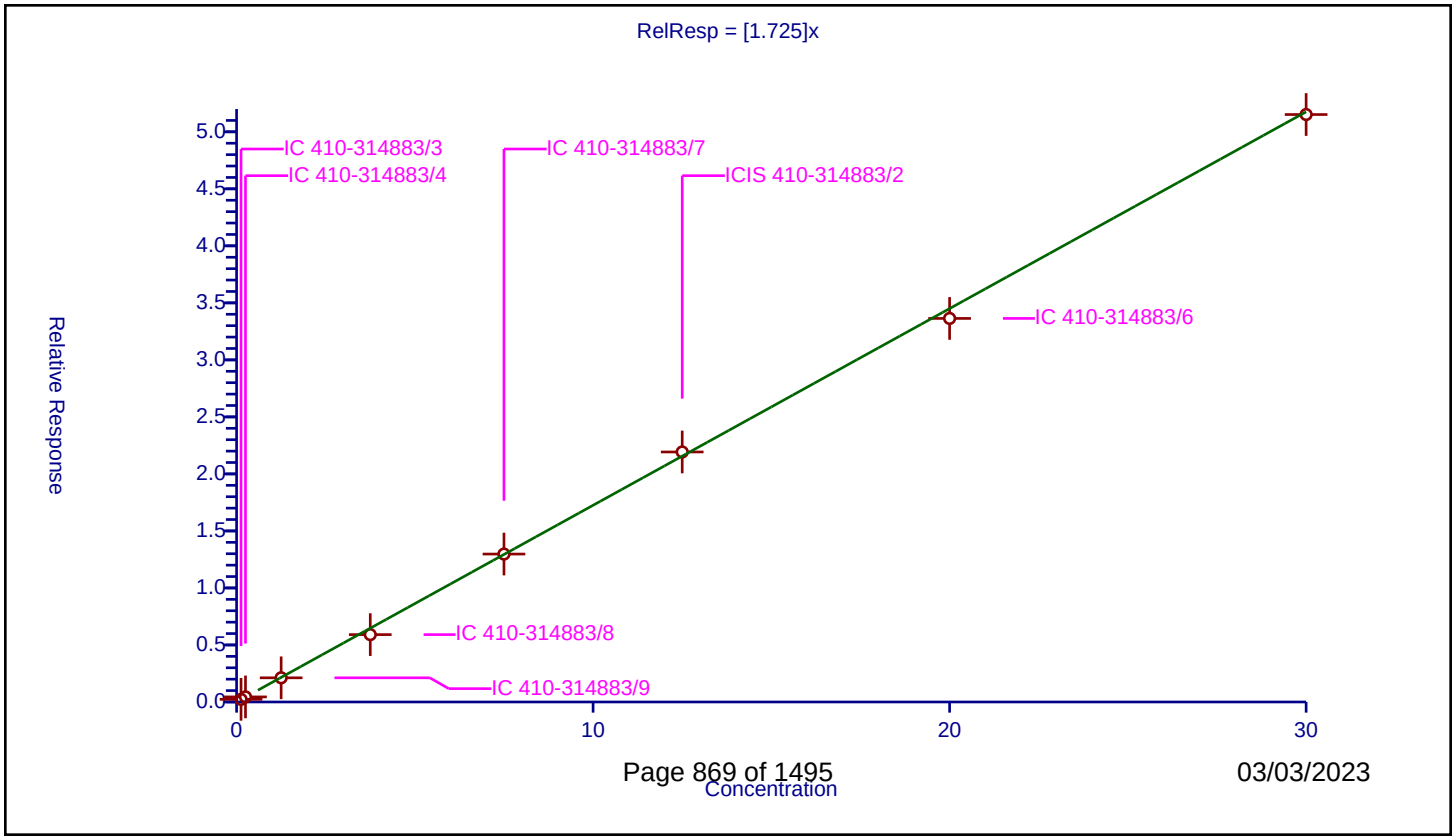
Curve Coefficients

Intercept:	0
Slope:	1.725

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	4.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.232818	5.0	243431.0	1.86254	Y
2	IC 410-314883/4	0.25	0.445946	5.0	235118.0	1.783785	Y
3	IC 410-314883/9	1.25	2.119698	5.0	254916.0	1.695759	Y
4	IC 410-314883/8	3.75	5.907373	5.0	244552.0	1.5753	Y
5	IC 410-314883/7	7.5	12.972453	5.0	249681.0	1.72966	Y
6	ICIS 410-314883/2	12.5	21.925492	5.0	260175.0	1.754039	Y
7	IC 410-314883/6	20.0	33.635295	5.0	262456.0	1.681765	Y
8	IC 410-314883/5	30.0	51.515833	5.0	251060.0	1.717194	Y



Calibration / 1-Naphthylamine

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

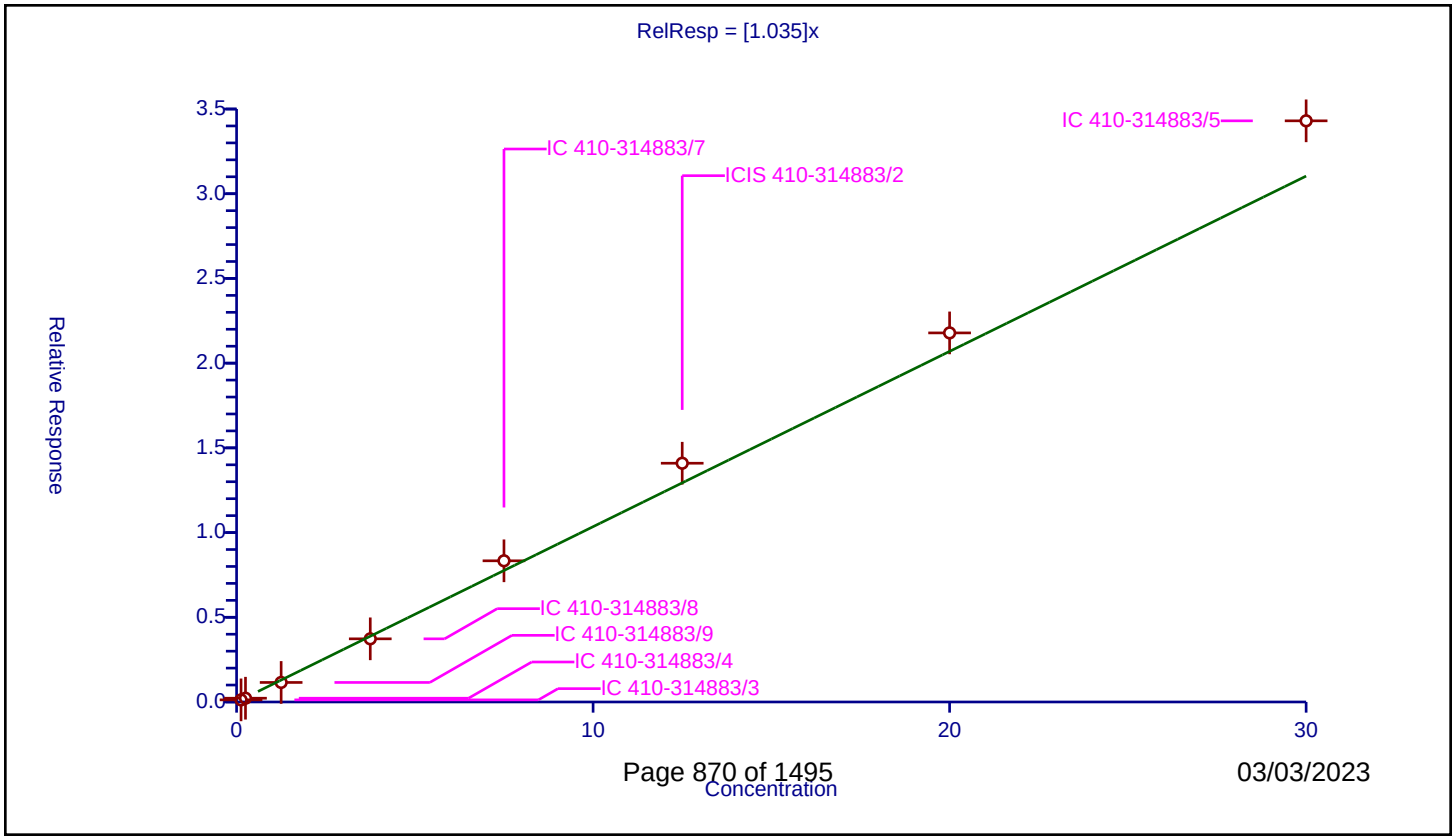
Curve Coefficients

Intercept:	0
Slope:	1.035

Error Coefficients

Standard Error:	847000
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 410-314883/3	0.125	0.124964	5.0	243431.0	0.999708	Y
2	IC 410-314883/4	0.25	0.22242	5.0	235118.0	0.889681	Y
3	IC 410-314883/9	1.25	1.1534	5.0	254916.0	0.92272	Y
4	IC 410-314883/8	3.75	3.728021	5.0	244552.0	0.994139	Y
5	IC 410-314883/7	7.5	8.334214	5.0	249681.0	1.111229	Y
6	ICIS 410-314883/2	12.5	14.093476	5.0	260175.0	1.127478	Y
7	IC 410-314883/6	20.0	21.78529	5.0	262456.0	1.089264	Y
8	IC 410-314883/5	30.0	34.30196	5.0	251060.0	1.143399	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

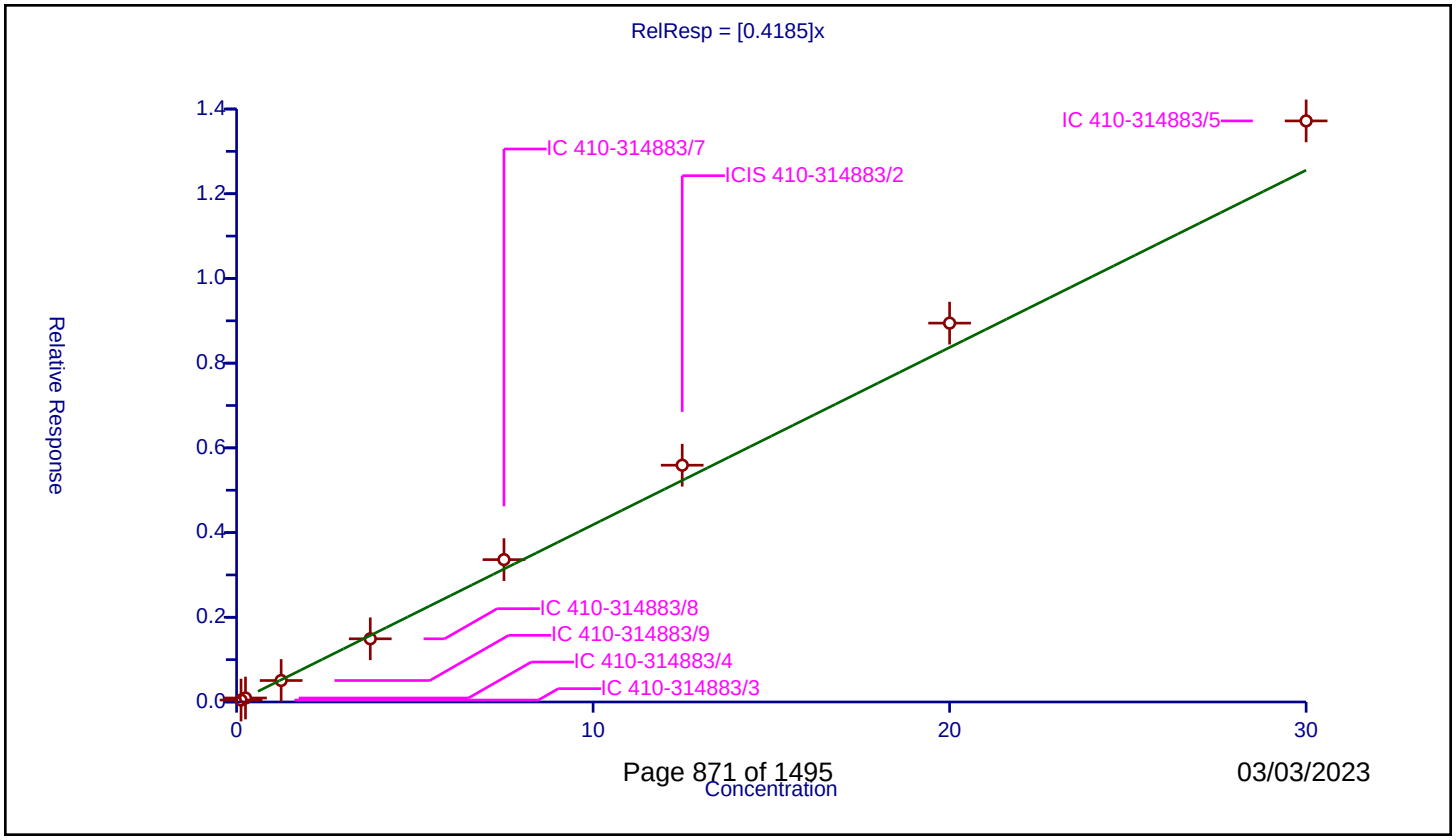
Curve Coefficients

Intercept:	0
Slope:	0.4185

Error Coefficients

Standard Error:	341000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.045886	5.0	243431.0	0.367086	Y
2	IC 410-314883/4	0.25	0.094357	5.0	235118.0	0.377428	Y
3	IC 410-314883/9	1.25	0.507442	5.0	254916.0	0.405953	Y
4	IC 410-314883/8	3.75	1.491666	5.0	244552.0	0.397778	Y
5	IC 410-314883/7	7.5	3.361249	5.0	249681.0	0.448167	Y
6	ICIS 410-314883/2	12.5	5.59043	5.0	260175.0	0.447234	Y
7	IC 410-314883/6	20.0	8.944833	5.0	262456.0	0.447242	Y
8	IC 410-314883/5	30.0	13.71923	5.0	251060.0	0.457308	Y



Calibration / 2-Naphthylamine

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

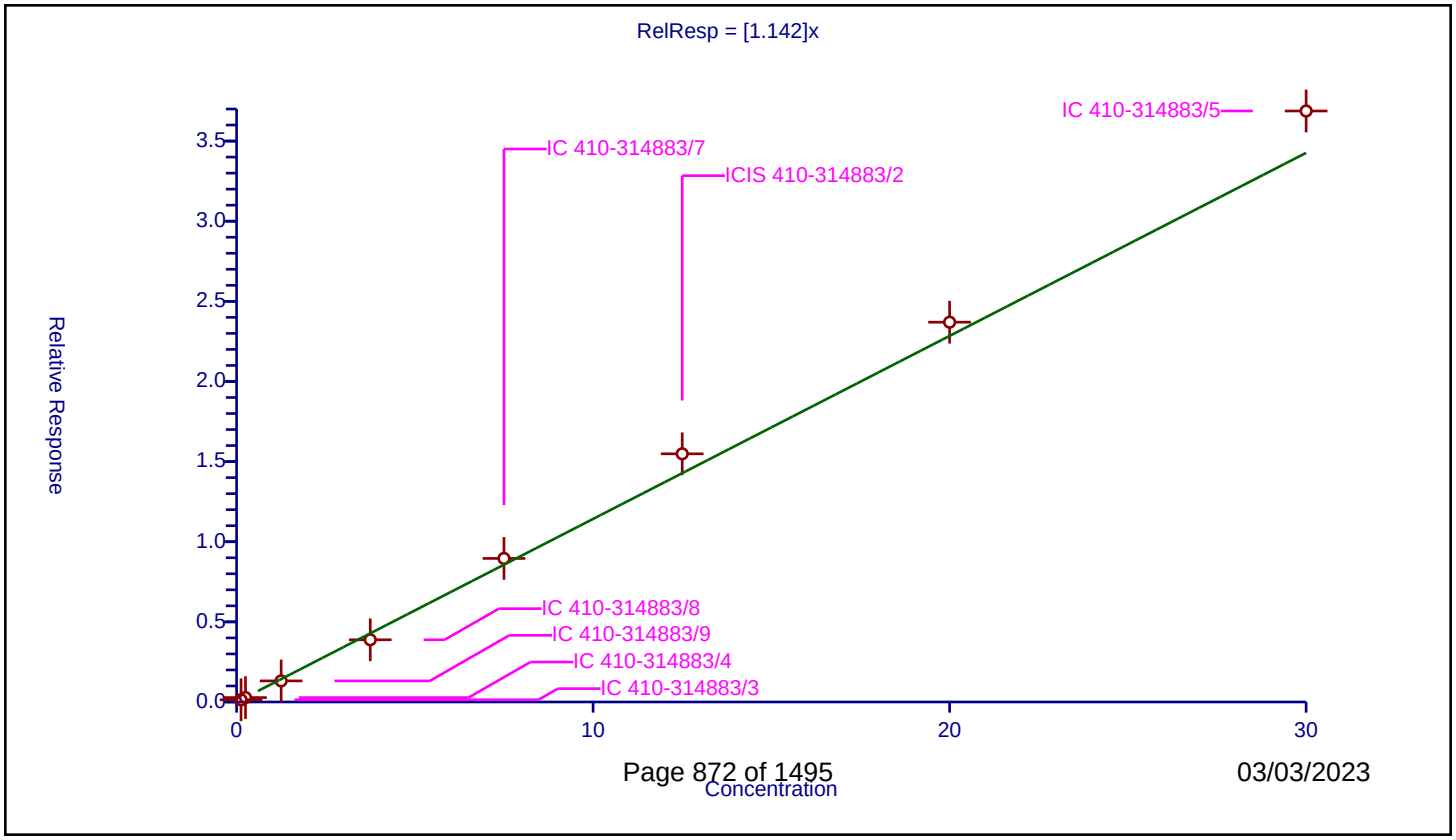
Curve Coefficients

Intercept:	0
Slope:	1.142

Error Coefficients

Standard Error:	915000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.137472	5.0	243431.0	1.099778	Y
2	IC 410-314883/4	0.25	0.275819	5.0	235118.0	1.103276	Y
3	IC 410-314883/9	1.25	1.314806	5.0	254916.0	1.051845	Y
4	IC 410-314883/8	3.75	3.88034	5.0	244552.0	1.034757	Y
5	IC 410-314883/7	7.5	8.95779	5.0	249681.0	1.194372	Y
6	ICIS 410-314883/2	12.5	15.486173	5.0	260175.0	1.238894	Y
7	IC 410-314883/6	20.0	23.69902	5.0	262456.0	1.184951	Y
8	IC 410-314883/5	30.0	36.8773	5.0	251060.0	1.229243	Y



Calibration / Diethyl phthalate

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

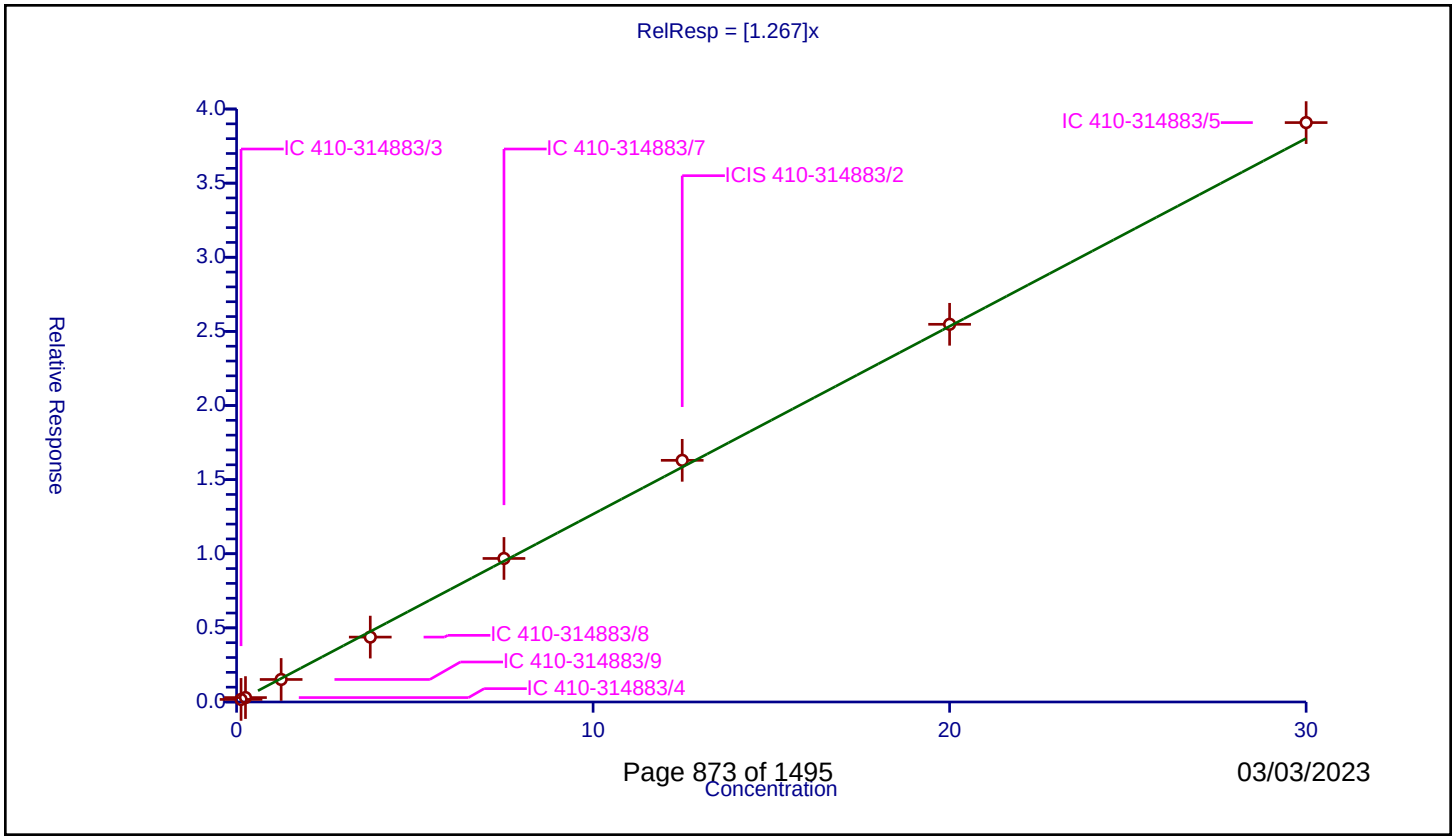
Curve Coefficients

Intercept:	0
Slope:	1.267

Error Coefficients

Standard Error:	974000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.174464	5.0	243431.0	1.395714	Y
2	IC 410-314883/4	0.25	0.297	5.0	235118.0	1.187999	Y
3	IC 410-314883/9	1.25	1.518304	5.0	254916.0	1.214643	Y
4	IC 410-314883/8	3.75	4.378169	5.0	244552.0	1.167512	Y
5	IC 410-314883/7	7.5	9.682114	5.0	249681.0	1.290949	Y
6	ICIS 410-314883/2	12.5	16.302085	5.0	260175.0	1.304167	Y
7	IC 410-314883/6	20.0	25.477928	5.0	262456.0	1.273896	Y
8	IC 410-314883/5	30.0	39.084641	5.0	251060.0	1.302821	Y



Calibration / Thionazin

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

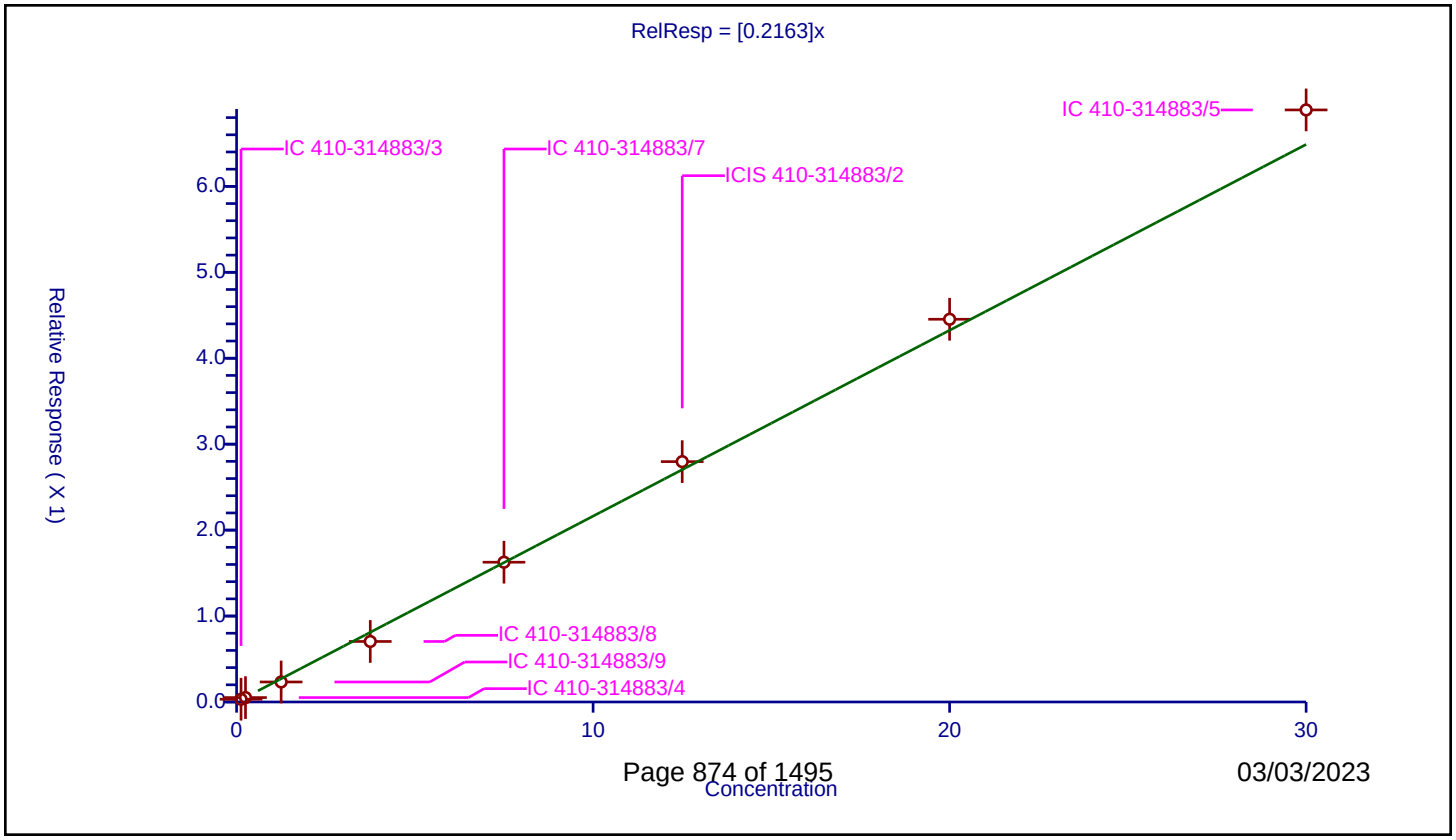
Curve Coefficients

Intercept:	0
Slope:	0.2163

Error Coefficients

Standard Error:	170000
Relative Standard Error:	10.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.032165	5.0	243431.0	0.257321	Y
2	IC 410-314883/4	0.25	0.0514	5.0	235118.0	0.205599	Y
3	IC 410-314883/9	1.25	0.232979	5.0	254916.0	0.186383	Y
4	IC 410-314883/8	3.75	0.704206	5.0	244552.0	0.187788	Y
5	IC 410-314883/7	7.5	1.626555	5.0	249681.0	0.216874	Y
6	ICIS 410-314883/2	12.5	2.796752	5.0	260175.0	0.22374	Y
7	IC 410-314883/6	20.0	4.453642	5.0	262456.0	0.222682	Y
8	IC 410-314883/5	30.0	6.889548	5.0	251060.0	0.229652	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

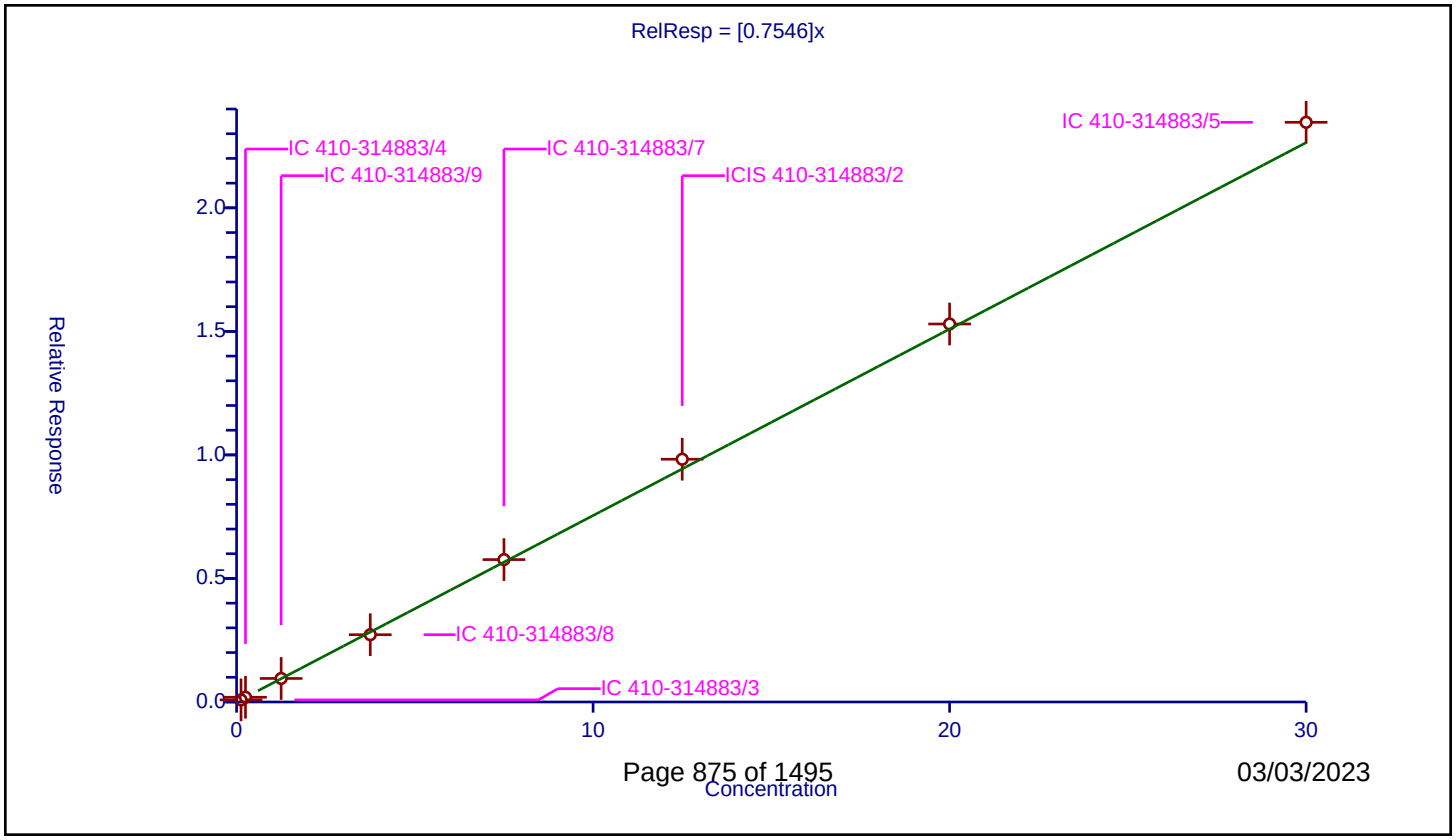
Curve Coefficients

Intercept:	0
Slope:	0.7546

Error Coefficients

Standard Error:	585000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.085137	5.0	243431.0	0.681096	Y
2	IC 410-314883/4	0.25	0.191627	5.0	235118.0	0.766509	Y
3	IC 410-314883/9	1.25	0.952353	5.0	254916.0	0.761882	Y
4	IC 410-314883/8	3.75	2.723184	5.0	244552.0	0.726182	Y
5	IC 410-314883/7	7.5	5.763434	5.0	249681.0	0.768458	Y
6	ICIS 410-314883/2	12.5	9.825444	5.0	260175.0	0.786036	Y
7	IC 410-314883/6	20.0	15.298107	5.0	262456.0	0.764905	Y
8	IC 410-314883/5	30.0	23.462141	5.0	251060.0	0.782071	Y



Calibration / Fluorene

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

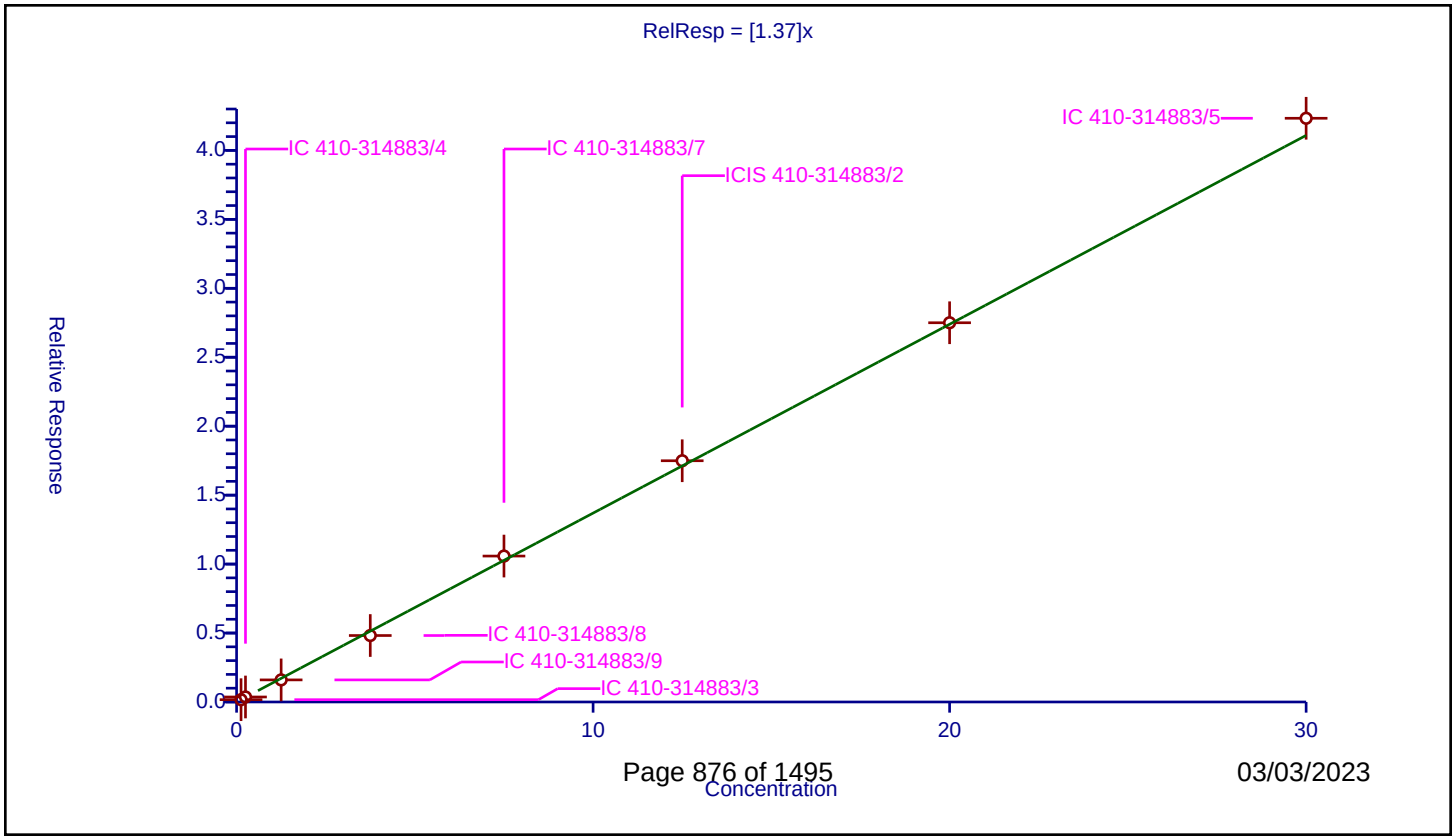
Curve Coefficients

Intercept:	0
Slope:	1.37

Error Coefficients

Standard Error:	1050000
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 410-314883/3	0.125	0.167625	5.0	243431.0	1.340996	Y
2	IC 410-314883/4	0.25	0.363243	5.0	235118.0	1.452973	Y
3	IC 410-314883/9	1.25	1.601488	5.0	254916.0	1.281191	Y
4	IC 410-314883/8	3.75	4.819302	5.0	244552.0	1.285147	Y
5	IC 410-314883/7	7.5	10.581702	5.0	249681.0	1.410894	Y
6	ICIS 410-314883/2	12.5	17.493841	5.0	260175.0	1.399507	Y
7	IC 410-314883/6	20.0	27.501505	5.0	262456.0	1.375075	Y
8	IC 410-314883/5	30.0	42.328029	5.0	251060.0	1.410934	Y



Calibration / 4-Nitroaniline

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

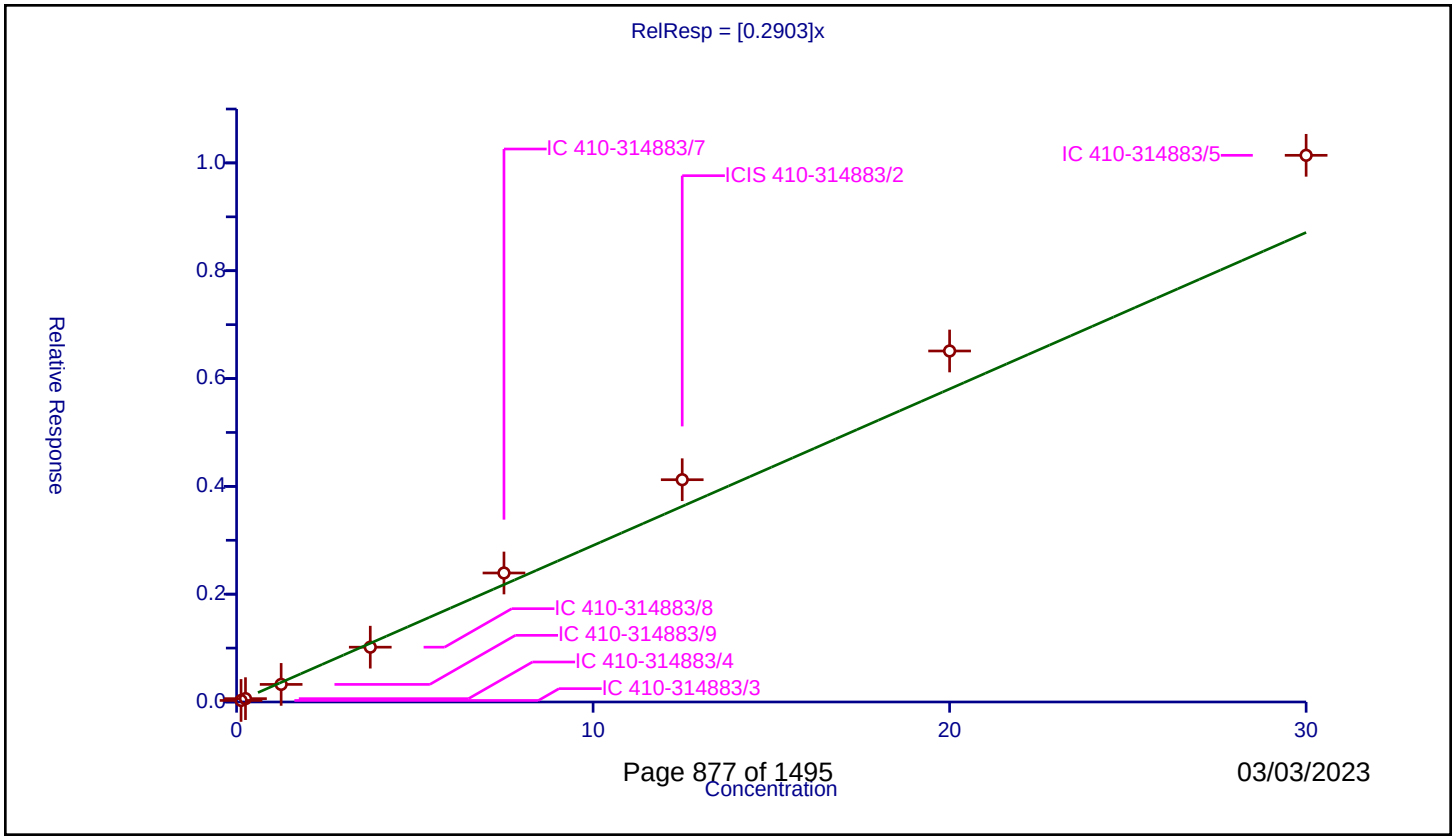
Curve Coefficients

Intercept:	0
Slope:	0.2903

Error Coefficients

Standard Error:	250000
Relative Standard Error:	14.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.028612	5.0	243431.0	0.228894	Y
2	IC 410-314883/4	0.25	0.062224	5.0	235118.0	0.248896	Y
3	IC 410-314883/9	1.25	0.32646	5.0	254916.0	0.261168	Y
4	IC 410-314883/8	3.75	1.016819	5.0	244552.0	0.271152	Y
5	IC 410-314883/7	7.5	2.392773	5.0	249681.0	0.319036	Y
6	ICIS 410-314883/2	12.5	4.123571	5.0	260175.0	0.329886	Y
7	IC 410-314883/6	20.0	6.511472	5.0	262456.0	0.325574	Y
8	IC 410-314883/5	30.0	10.141301	5.0	251060.0	0.338043	Y



03/03/2023

Calibration / N-Nitro-o-toluidine

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

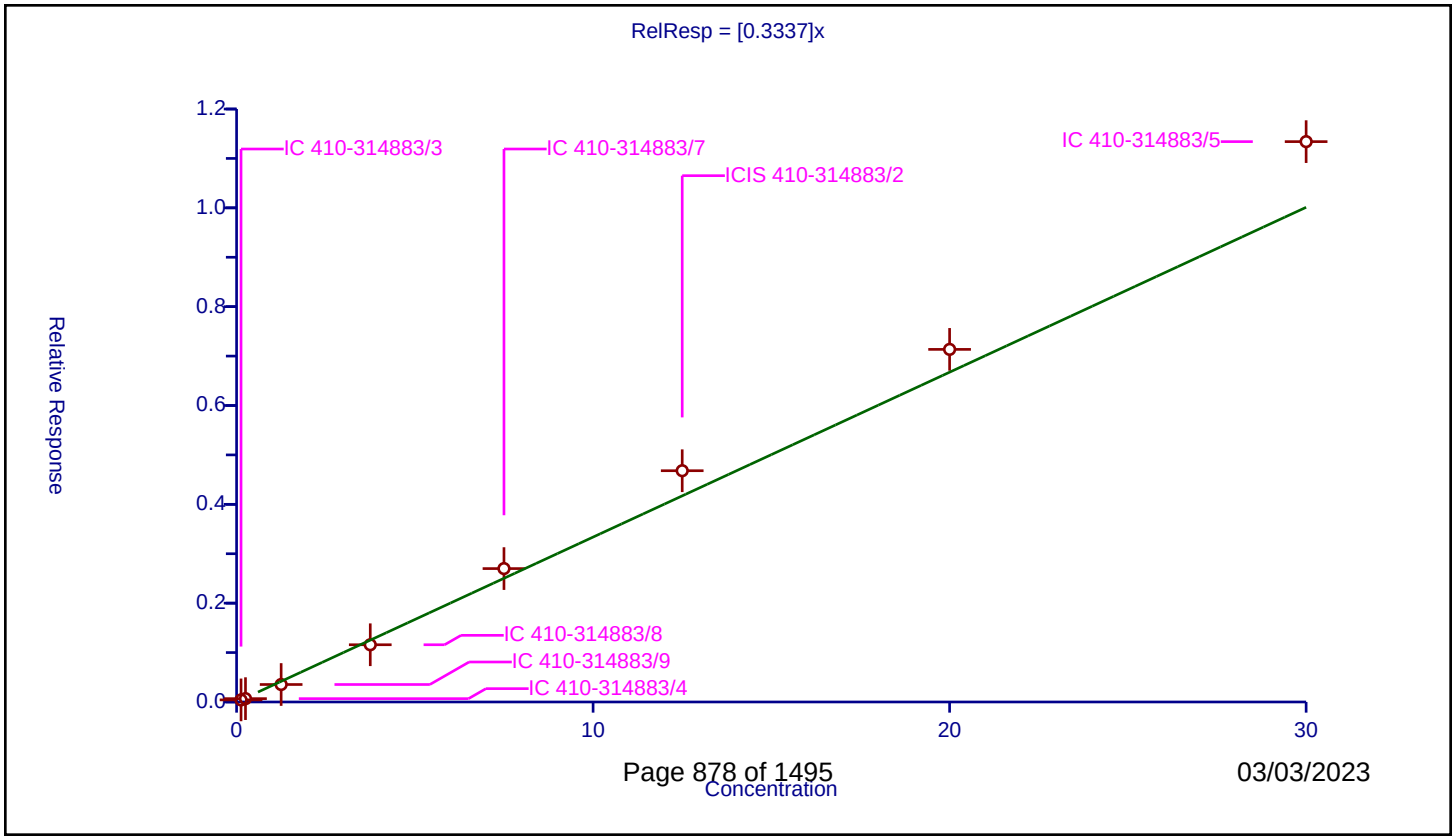
Curve Coefficients

Intercept:	0
Slope:	0.3337

Error Coefficients

Standard Error:	279000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.04225	5.0	243431.0	0.338001	Y
2	IC 410-314883/4	0.25	0.067689	5.0	235118.0	0.270758	Y
3	IC 410-314883/9	1.25	0.353567	5.0	254916.0	0.282854	Y
4	IC 410-314883/8	3.75	1.158138	5.0	244552.0	0.308837	Y
5	IC 410-314883/7	7.5	2.699585	5.0	249681.0	0.359945	Y
6	ICIS 410-314883/2	12.5	4.680215	5.0	260175.0	0.374417	Y
7	IC 410-314883/6	20.0	7.135558	5.0	262456.0	0.356778	Y
8	IC 410-314883/5	30.0	11.340138	5.0	251060.0	0.378005	Y



Calibration / 4,6-Dinitro-2-methylphenol

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

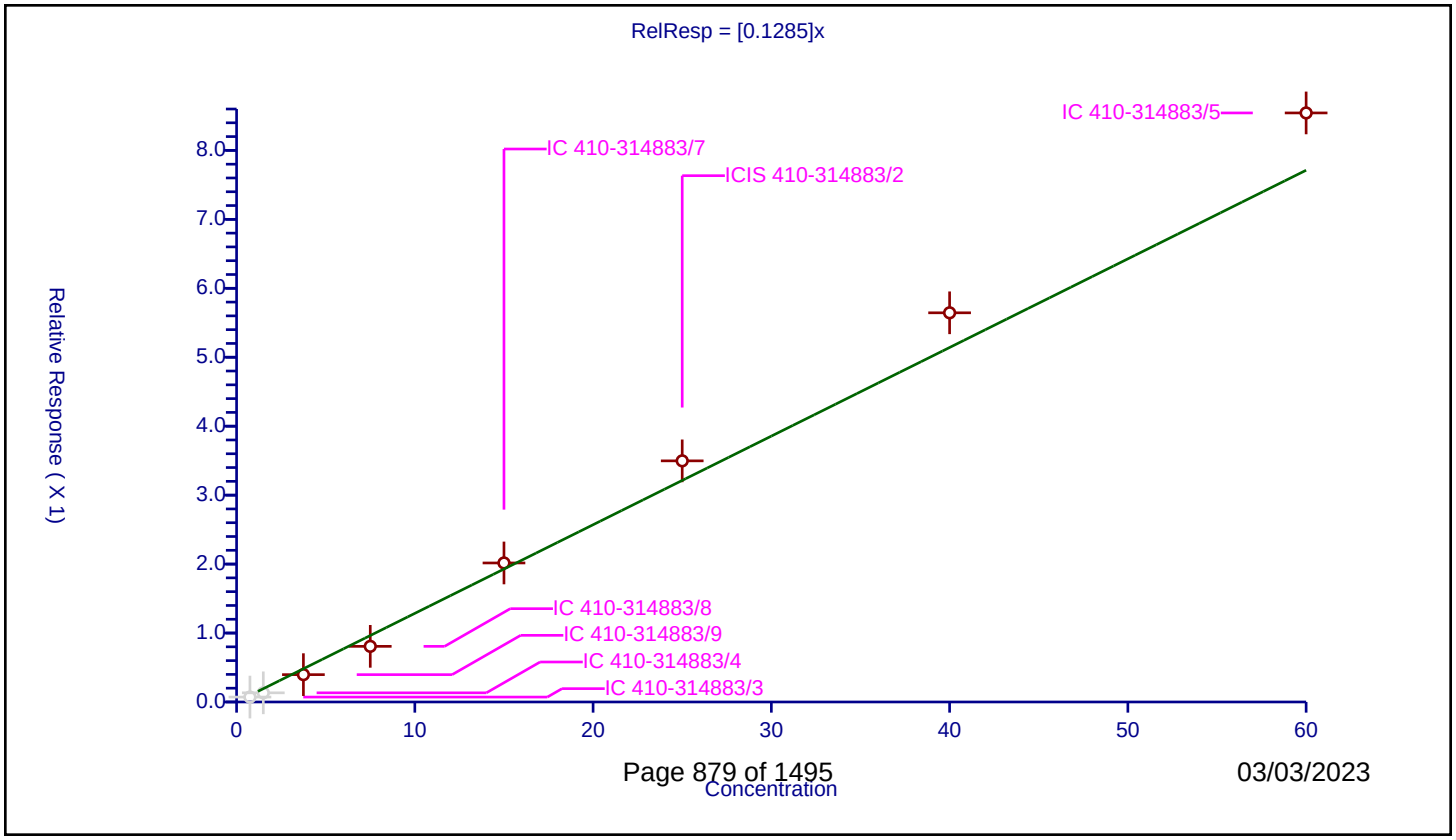
Curve Coefficients

Intercept:	0
Slope:	0.1285

Error Coefficients

Standard Error:	509000
Relative Standard Error:	13.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.75	0.07124	5.0	490662.0	0.094987	N
2	IC 410-314883/4	1.5	0.132971	5.0	470704.0	0.088647	N
3	IC 410-314883/9	3.75	0.396655	5.0	523389.0	0.105775	Y
4	IC 410-314883/8	7.5	0.807119	5.0	506053.0	0.107616	Y
5	IC 410-314883/7	15.0	2.016417	5.0	496244.0	0.134428	Y
6	ICIS 410-314883/2	25.0	3.497303	5.0	523765.0	0.139892	Y
7	IC 410-314883/6	40.0	5.64434	5.0	517475.0	0.141109	Y
8	IC 410-314883/5	60.0	8.543114	5.0	513894.0	0.142385	Y



03/03/2023

Calibration / N-Nitrosodiphenylamine

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

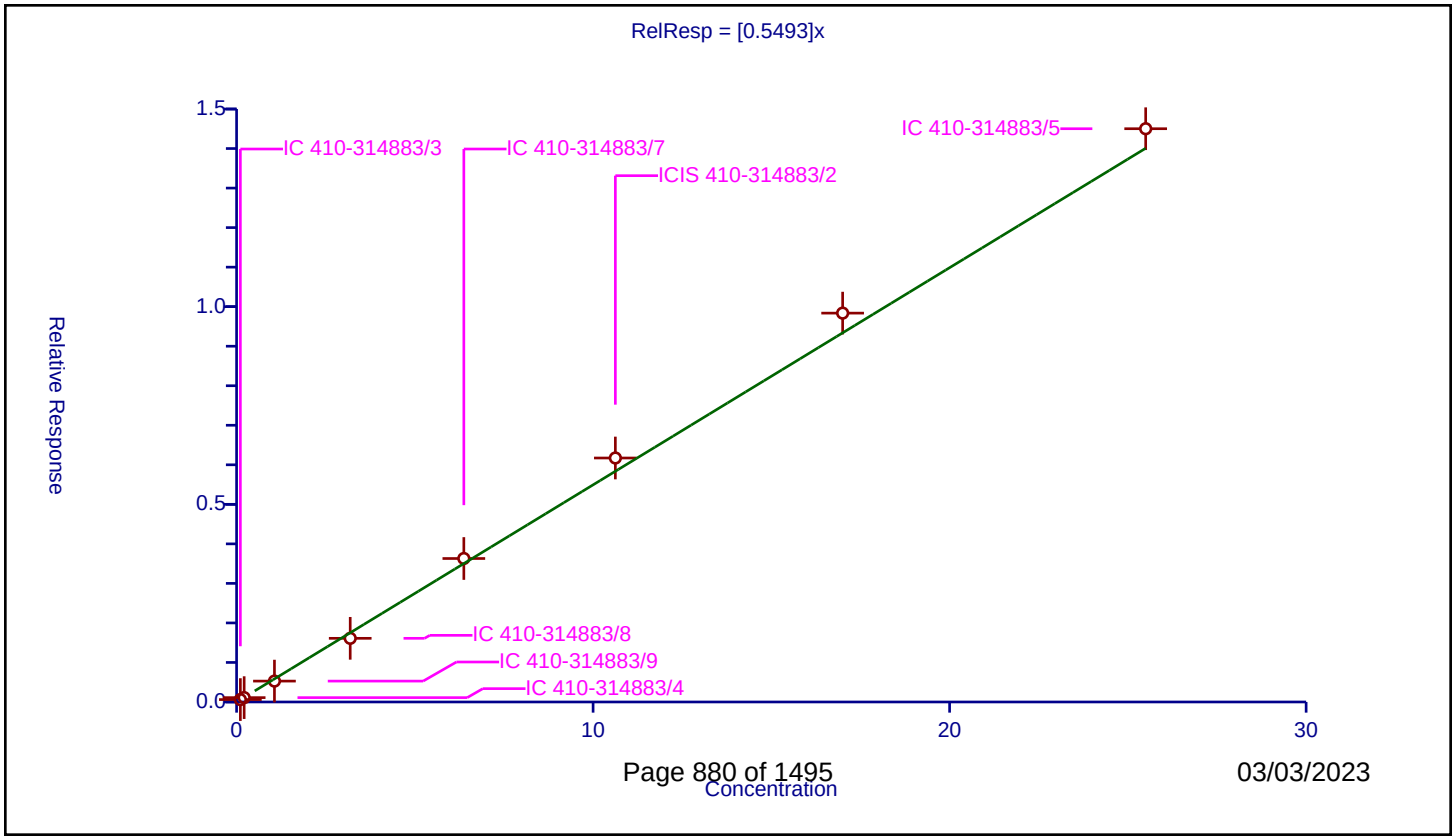
Curve Coefficients

Intercept:	0
Slope:	0.5493

Error Coefficients

Standard Error:	740000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.10625	0.060999	5.0	490662.0	0.57411	Y
2	IC 410-314883/4	0.2125	0.11043	5.0	470704.0	0.519672	Y
3	IC 410-314883/9	1.0625	0.528813	5.0	523389.0	0.497707	Y
4	IC 410-314883/8	3.1875	1.610691	5.0	506053.0	0.505315	Y
5	IC 410-314883/7	6.375	3.629535	5.0	496244.0	0.569339	Y
6	ICIS 410-314883/2	10.625	6.171995	5.0	523765.0	0.580894	Y
7	IC 410-314883/6	17.0	9.837132	5.0	517475.0	0.578655	Y
8	IC 410-314883/5	25.5	14.501171	5.0	513894.0	0.568673	Y



Calibration / 1,2-Diphenylhydrazine

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

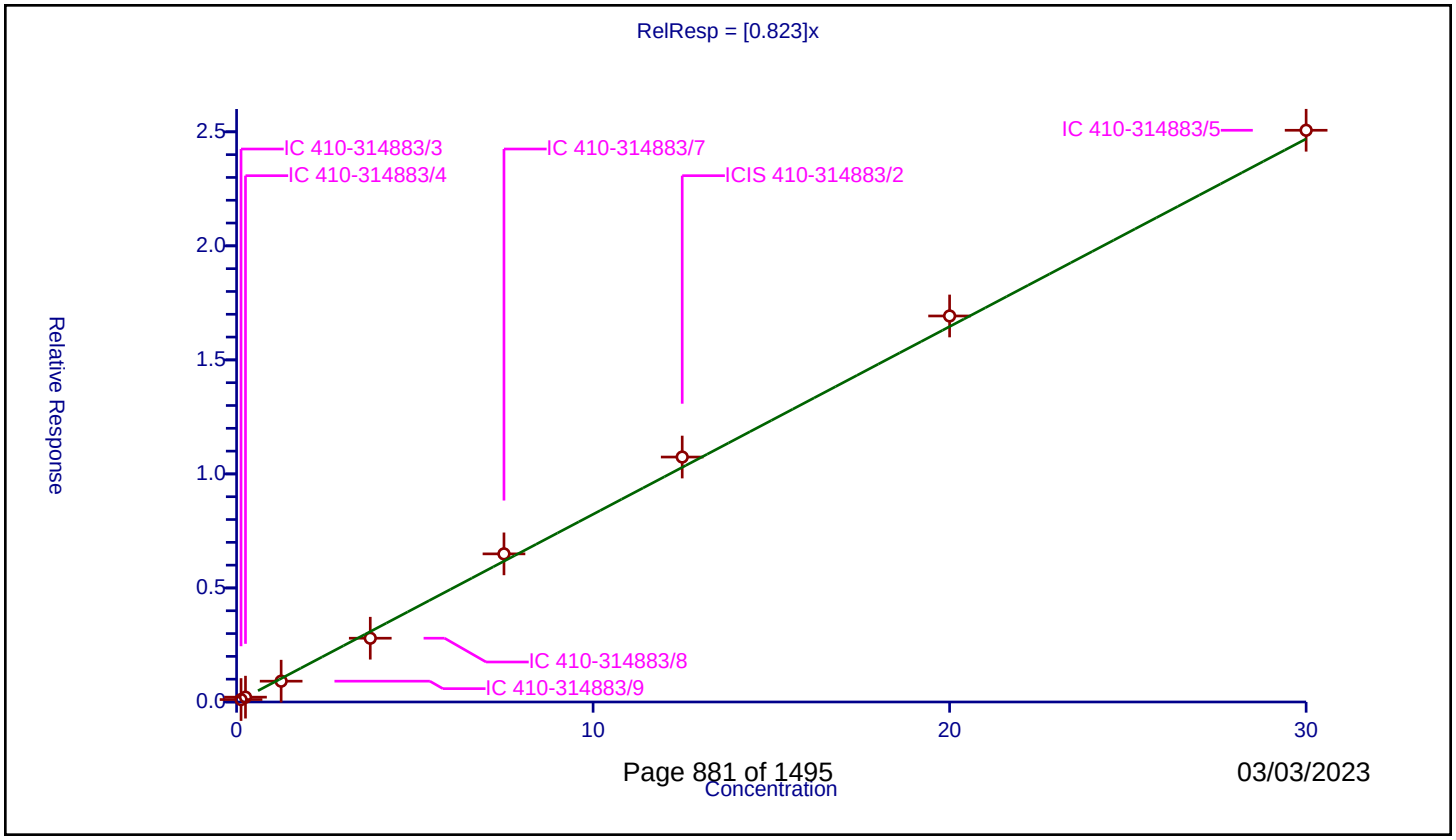
Curve Coefficients

Intercept:	0
Slope:	0.823

Error Coefficients

Standard Error:	1280000
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 410-314883/3	0.125	0.106896	5.0	490662.0	0.855171	Y
2	IC 410-314883/4	0.25	0.211694	5.0	470704.0	0.846774	Y
3	IC 410-314883/9	1.25	0.912037	5.0	523389.0	0.729629	Y
4	IC 410-314883/8	3.75	2.796189	5.0	506053.0	0.74565	Y
5	IC 410-314883/7	7.5	6.494497	5.0	496244.0	0.865933	Y
6	ICIS 410-314883/2	12.5	10.740122	5.0	523765.0	0.85921	Y
7	IC 410-314883/6	20.0	16.925736	5.0	517475.0	0.846287	Y
8	IC 410-314883/5	30.0	25.067533	5.0	513894.0	0.835584	Y



03/03/2023

Calibration / 2,4,6-Tribromophenol

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

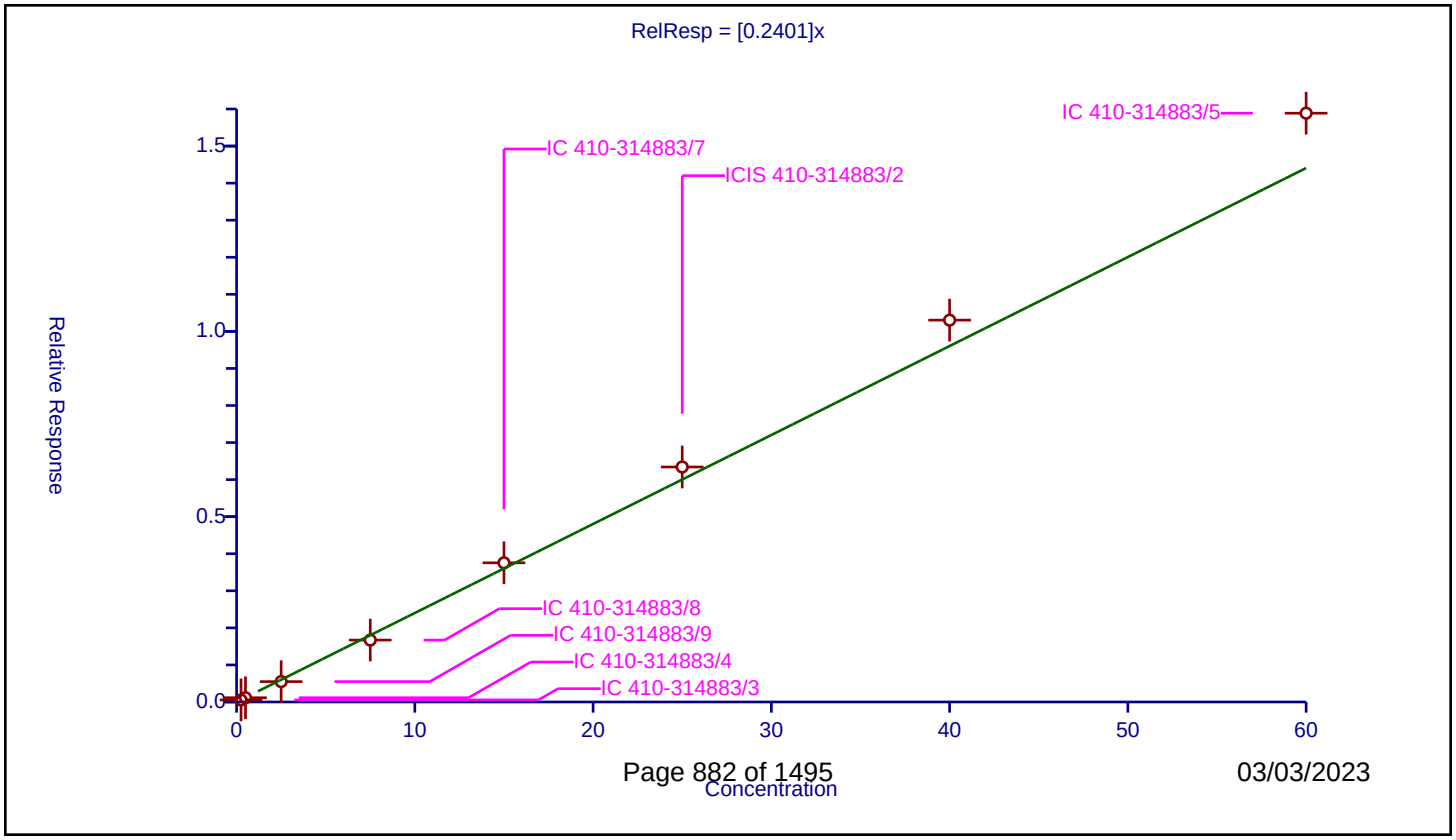
Curve Coefficients

Intercept:	0
Slope:	0.2401

Error Coefficients

Standard Error:	393000
Relative Standard Error:	7.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.25	0.055704	5.0	243431.0	0.222815	Y
2	IC 410-314883/4	0.5	0.114559	5.0	235118.0	0.229119	Y
3	IC 410-314883/9	2.5	0.54971	5.0	254916.0	0.219884	Y
4	IC 410-314883/8	7.5	1.670647	5.0	244552.0	0.222753	Y
5	IC 410-314883/7	15.0	3.754631	5.0	249681.0	0.250309	Y
6	ICIS 410-314883/2	25.0	6.341001	5.0	260175.0	0.25364	Y
7	IC 410-314883/6	40.0	10.30306	5.0	262456.0	0.257577	Y
8	IC 410-314883/5	60.0	15.887278	5.0	251060.0	0.264788	Y



03/03/2023

Calibration / Sulfotepp

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

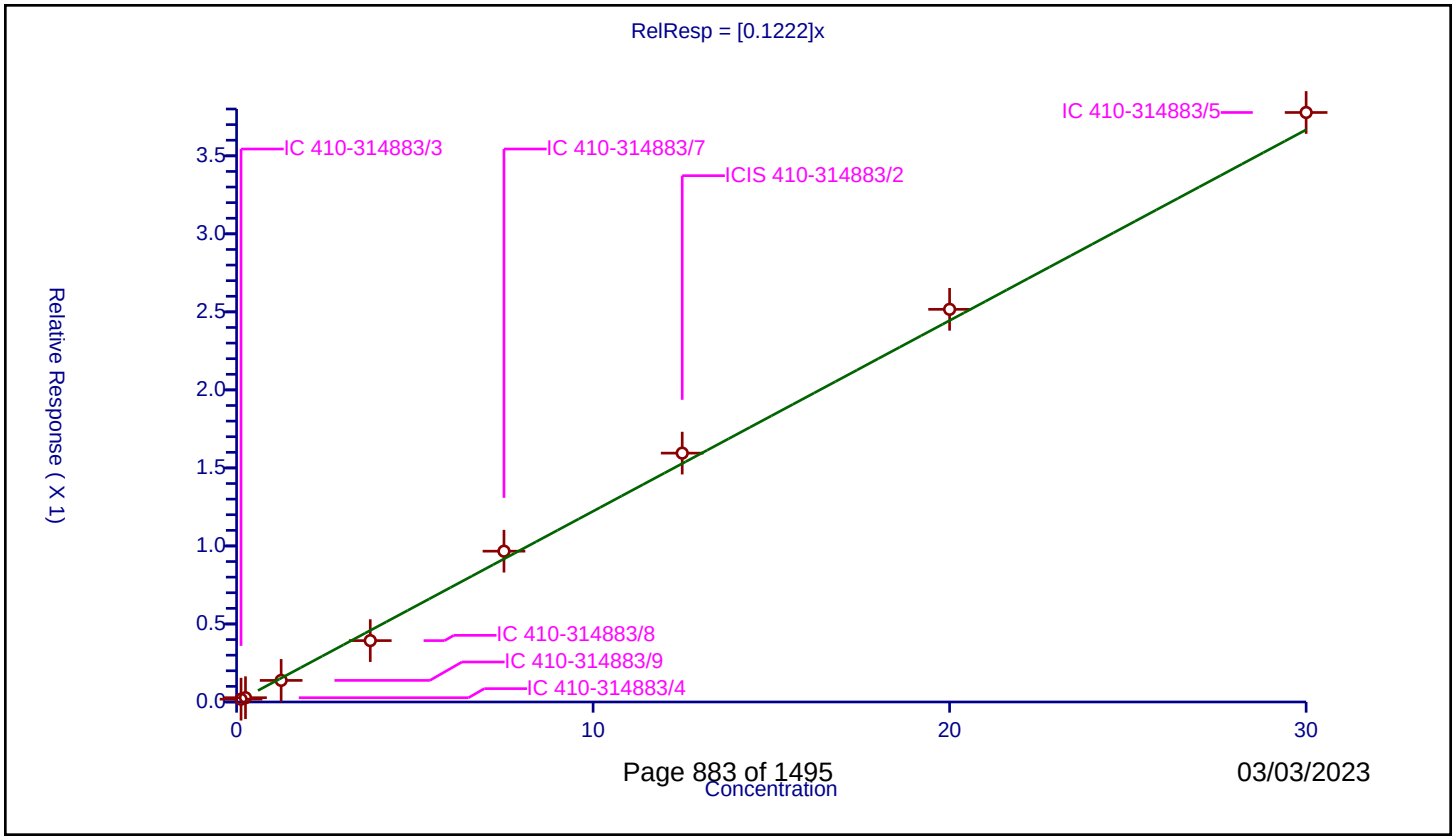
Curve Coefficients

Intercept:	0
Slope:	0.1222

Error Coefficients

Standard Error:	192000
Relative Standard Error:	10.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.018027	5.0	490662.0	0.144213	Y
2	IC 410-314883/4	0.25	0.027491	5.0	470704.0	0.109963	Y
3	IC 410-314883/9	1.25	0.138301	5.0	523389.0	0.11064	Y
4	IC 410-314883/8	3.75	0.393299	5.0	506053.0	0.10488	Y
5	IC 410-314883/7	7.5	0.96642	5.0	496244.0	0.128856	Y
6	ICIS 410-314883/2	12.5	1.594856	5.0	523765.0	0.127589	Y
7	IC 410-314883/6	20.0	2.516286	5.0	517475.0	0.125814	Y
8	IC 410-314883/5	30.0	3.777783	5.0	513894.0	0.125926	Y



Calibration / 1,3,5-Trinitrobenzene

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

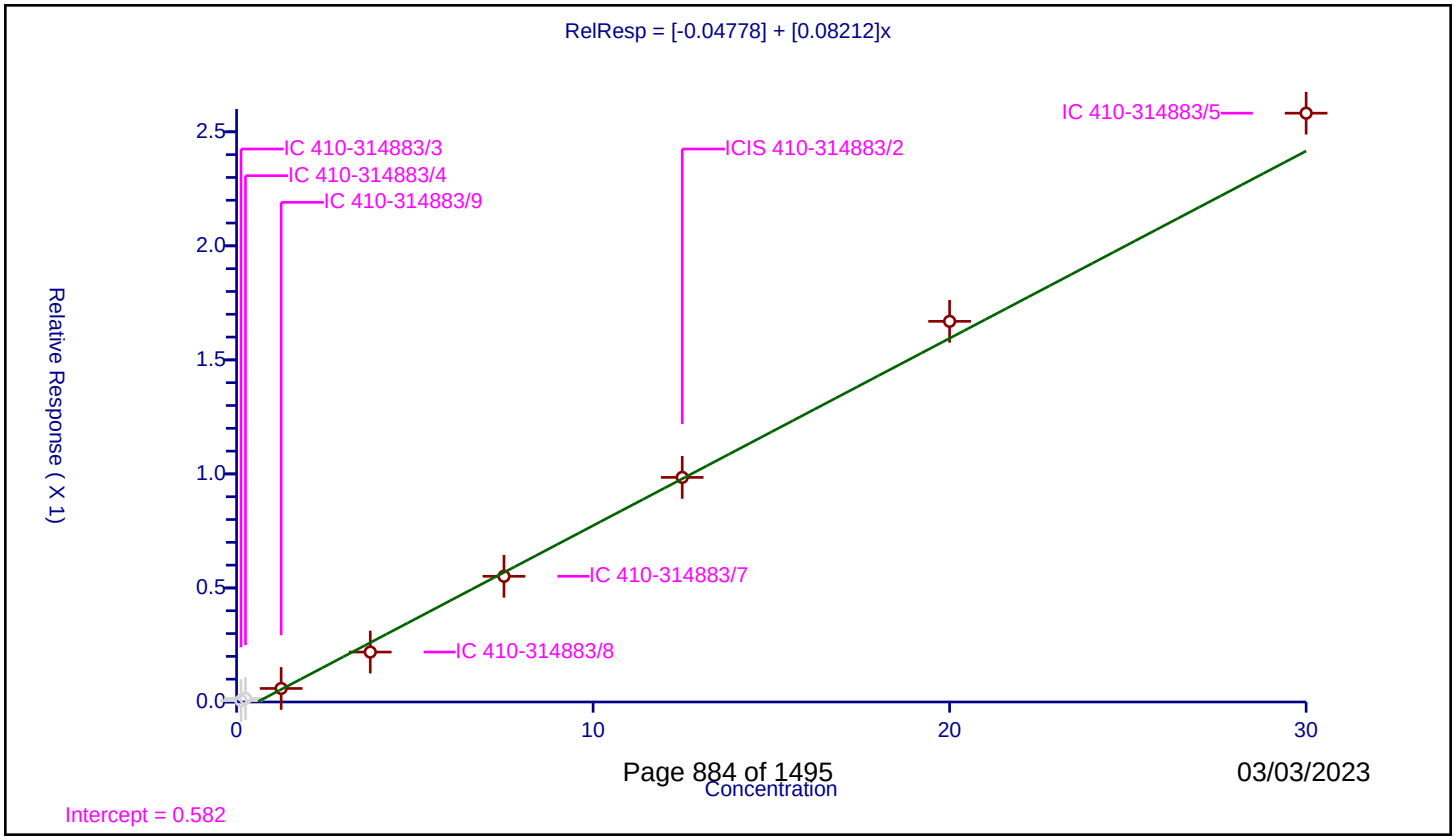
Curve Coefficients

Intercept:	-0.04778
Slope:	0.08212

Error Coefficients

Standard Error:	169000
Relative Standard Error:	8.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.005921	5.0	490662.0	0.047365	N
2	IC 410-314883/4	0.25	0.015498	5.0	470704.0	0.061992	N
3	IC 410-314883/9	1.25	0.059287	5.0	523389.0	0.047429	Y
4	IC 410-314883/8	3.75	0.21889	5.0	506053.0	0.058371	Y
5	IC 410-314883/7	7.5	0.55109	5.0	496244.0	0.073479	Y
6	ICIS 410-314883/2	12.5	0.984812	5.0	523765.0	0.078785	Y
7	IC 410-314883/6	20.0	1.669076	5.0	517475.0	0.083454	Y
8	IC 410-314883/5	30.0	2.581816	5.0	513894.0	0.086061	Y



Calibration / cis-Diallate

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

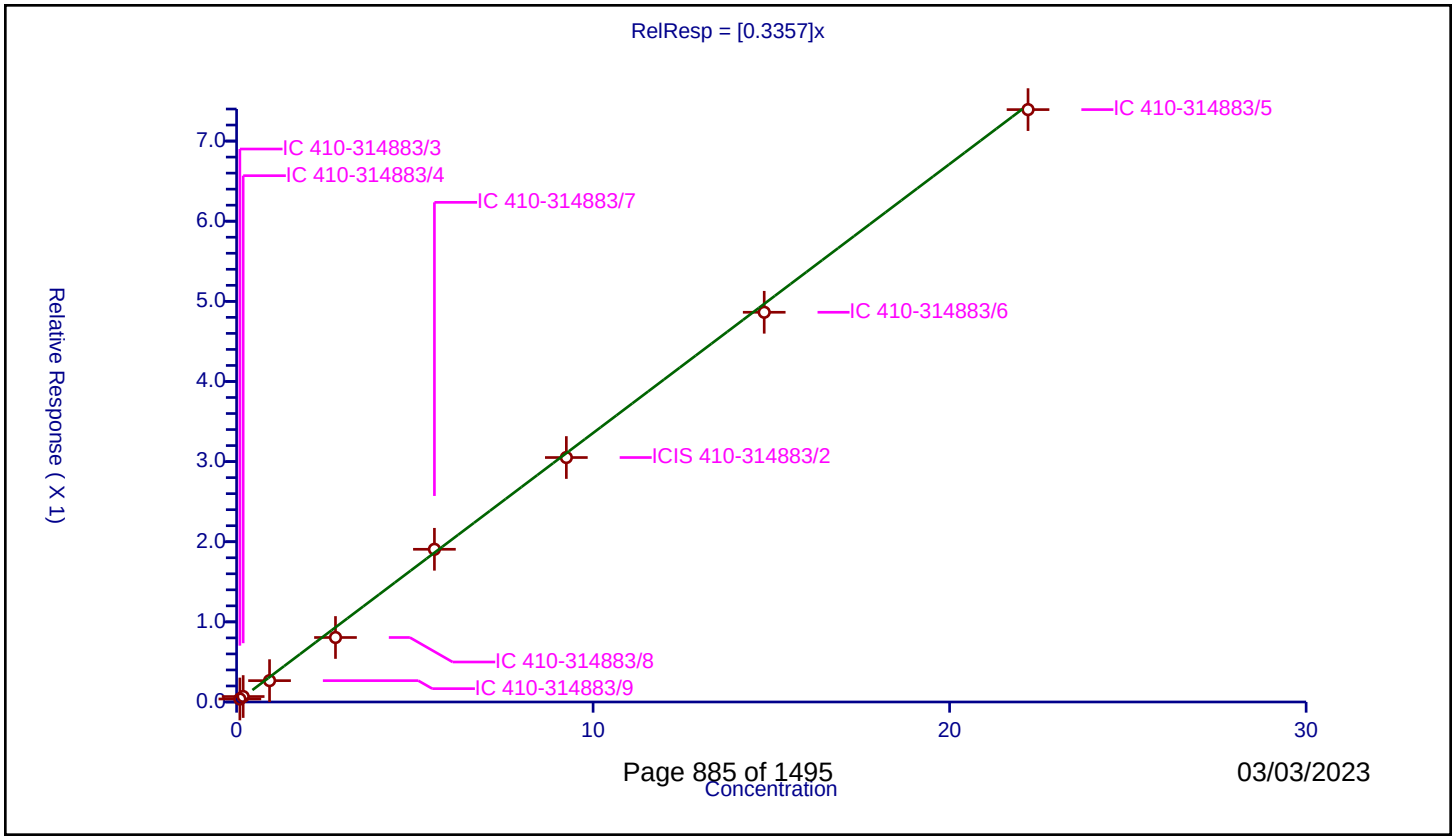
Curve Coefficients

Intercept:	0
Slope:	0.3357

Error Coefficients

Standard Error:	373000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.0925	0.03747	5.0	490662.0	0.405079	Y
2	IC 410-314883/4	0.185	0.067994	5.0	470704.0	0.367535	Y
3	IC 410-314883/9	0.925	0.26637	5.0	523389.0	0.287967	Y
4	IC 410-314883/8	2.775	0.804965	5.0	506053.0	0.290078	Y
5	IC 410-314883/7	5.55	1.905736	5.0	496244.0	0.343376	Y
6	ICIS 410-314883/2	9.25	3.050786	5.0	523765.0	0.329815	Y
7	IC 410-314883/6	14.8	4.863646	5.0	517475.0	0.328625	Y
8	IC 410-314883/5	22.2	7.392526	5.0	513894.0	0.332997	Y



03/03/2023

Calibration / Phenacetin

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

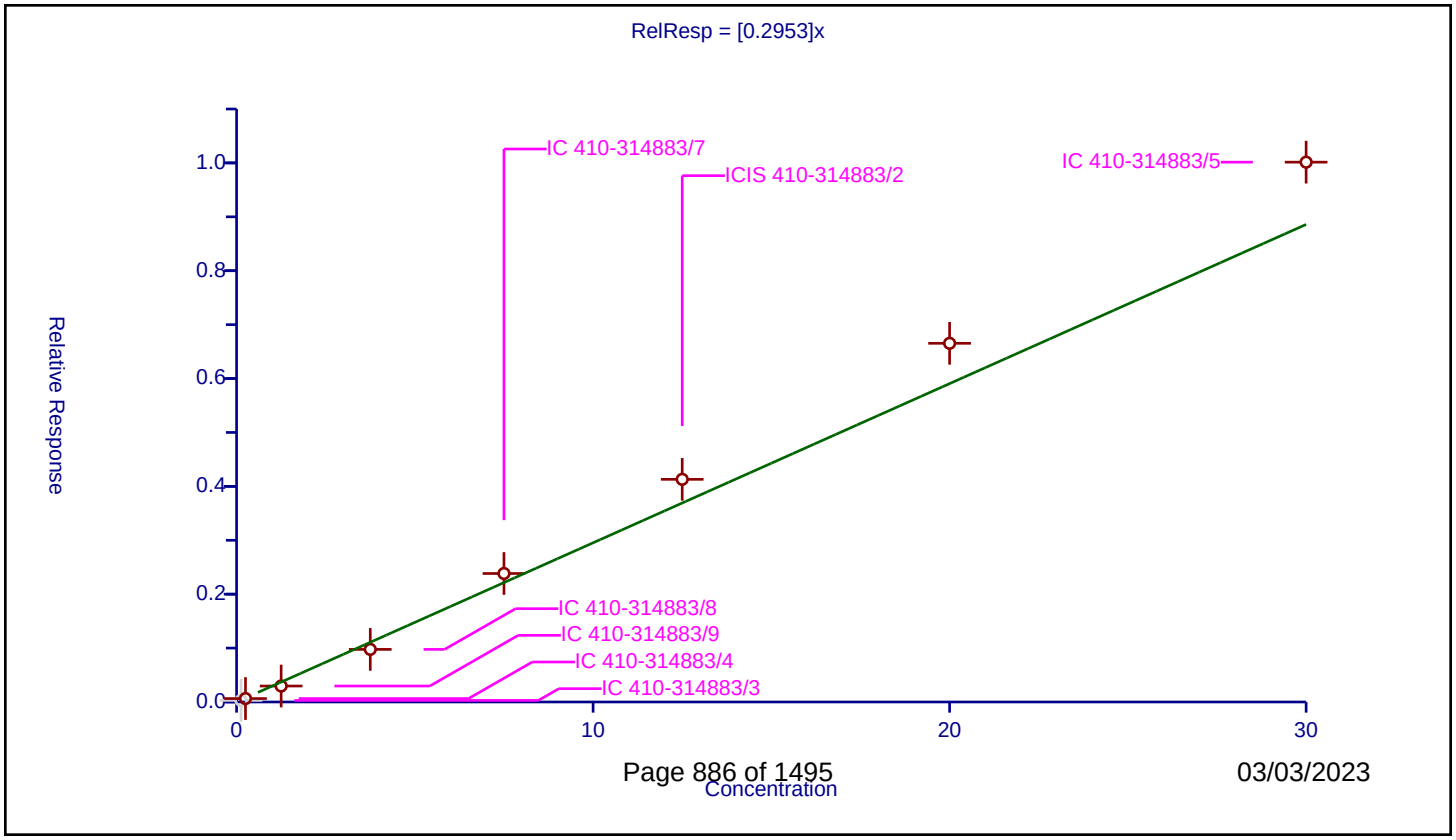
Curve Coefficients

Intercept:	0
Slope:	0.2953

Error Coefficients

Standard Error:	546000
Relative Standard Error:	14.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.029674	5.0	490662.0	0.237394	N
2	IC 410-314883/4	0.25	0.063777	5.0	470704.0	0.255107	Y
3	IC 410-314883/9	1.25	0.296176	5.0	523389.0	0.23694	Y
4	IC 410-314883/8	3.75	0.975876	5.0	506053.0	0.260234	Y
5	IC 410-314883/7	7.5	2.383666	5.0	496244.0	0.317822	Y
6	ICIS 410-314883/2	12.5	4.130555	5.0	523765.0	0.330444	Y
7	IC 410-314883/6	20.0	6.65351	5.0	517475.0	0.332675	Y
8	IC 410-314883/5	30.0	10.014264	5.0	513894.0	0.333809	Y



Calibration / Phorate

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

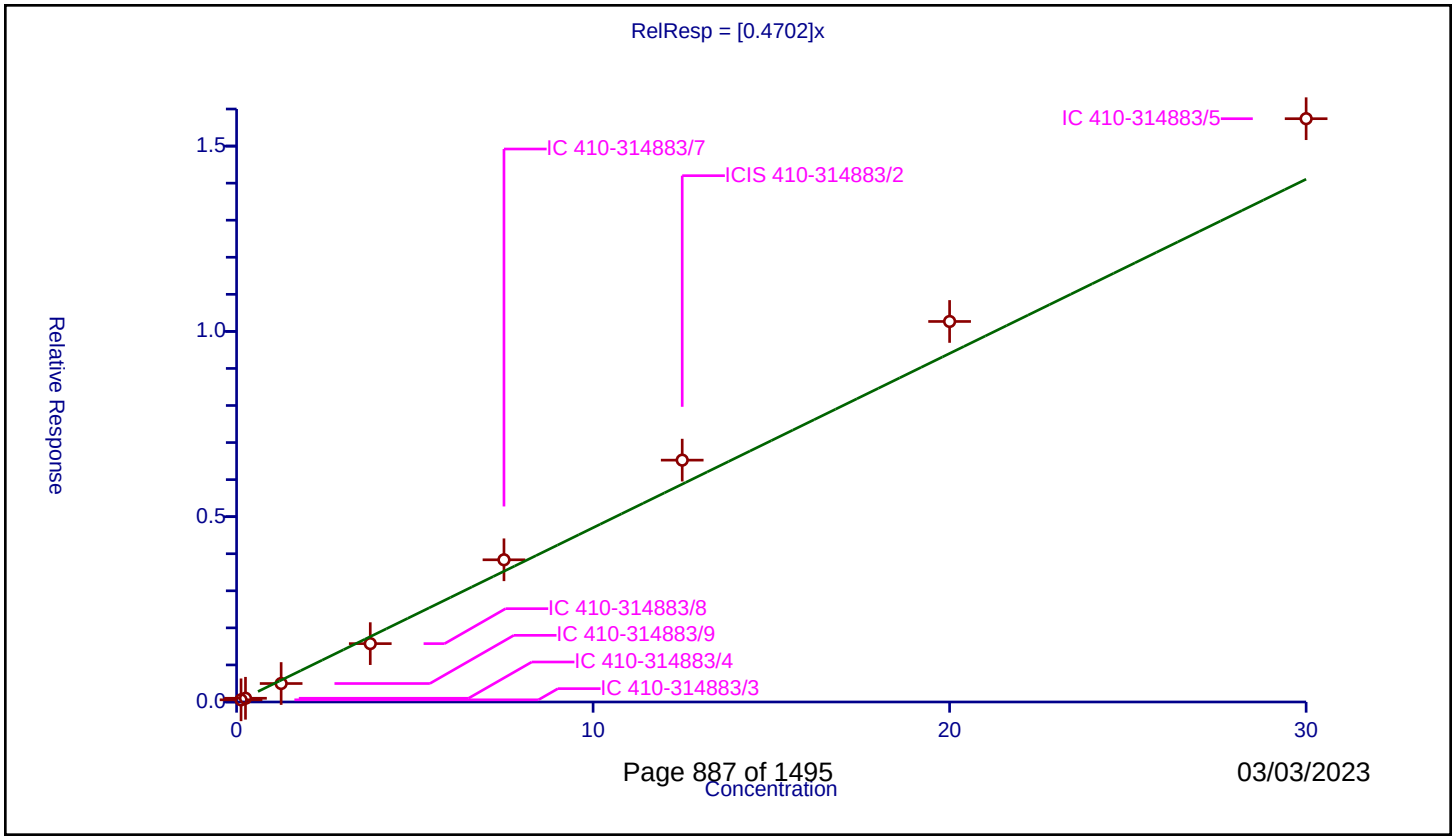
Curve Coefficients

Intercept:	0
Slope:	0.4702

Error Coefficients

Standard Error:	792000
Relative Standard Error:	11.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.058554	5.0	490662.0	0.468428	Y
2	IC 410-314883/4	0.25	0.100721	5.0	470704.0	0.402886	Y
3	IC 410-314883/9	1.25	0.49853	5.0	523389.0	0.398824	Y
4	IC 410-314883/8	3.75	1.574657	5.0	506053.0	0.419909	Y
5	IC 410-314883/7	7.5	3.836701	5.0	496244.0	0.51156	Y
6	ICIS 410-314883/2	12.5	6.526162	5.0	523765.0	0.522093	Y
7	IC 410-314883/6	20.0	10.267085	5.0	517475.0	0.513354	Y
8	IC 410-314883/5	30.0	15.739024	5.0	513894.0	0.524634	Y



03/03/2023

Calibration / 4-Bromophenyl phenyl ether

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

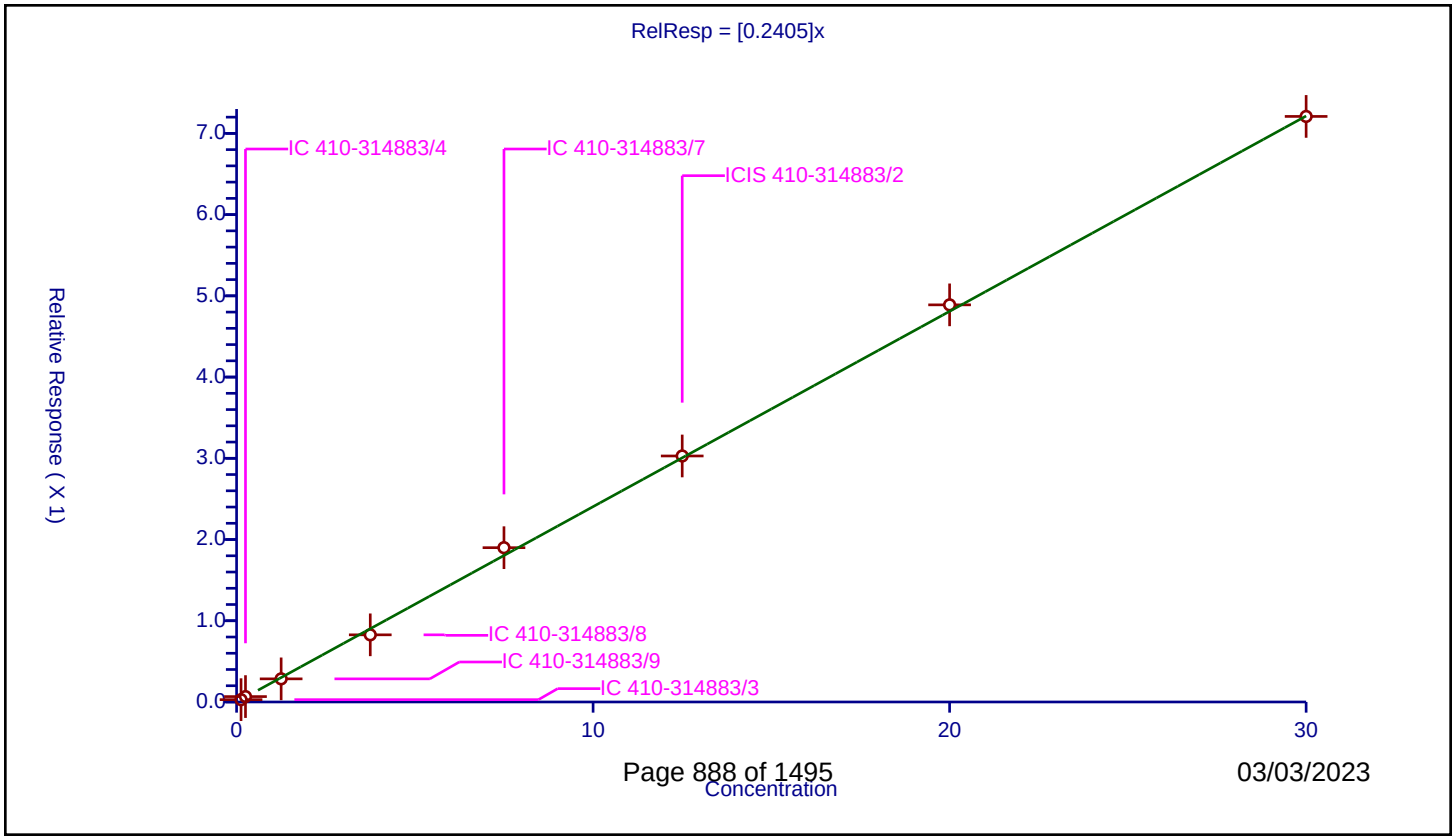
Curve Coefficients

Intercept:	0
Slope:	0.2405

Error Coefficients

Standard Error:	368000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.028594	5.0	490662.0	0.228752	Y
2	IC 410-314883/4	0.25	0.066602	5.0	470704.0	0.266409	Y
3	IC 410-314883/9	1.25	0.28474	5.0	523389.0	0.227792	Y
4	IC 410-314883/8	3.75	0.826781	5.0	506053.0	0.220475	Y
5	IC 410-314883/7	7.5	1.899519	5.0	496244.0	0.253269	Y
6	ICIS 410-314883/2	12.5	3.028696	5.0	523765.0	0.242296	Y
7	IC 410-314883/6	20.0	4.889115	5.0	517475.0	0.244456	Y
8	IC 410-314883/5	30.0	7.208763	5.0	513894.0	0.240292	Y



Calibration / trans-Diallate

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

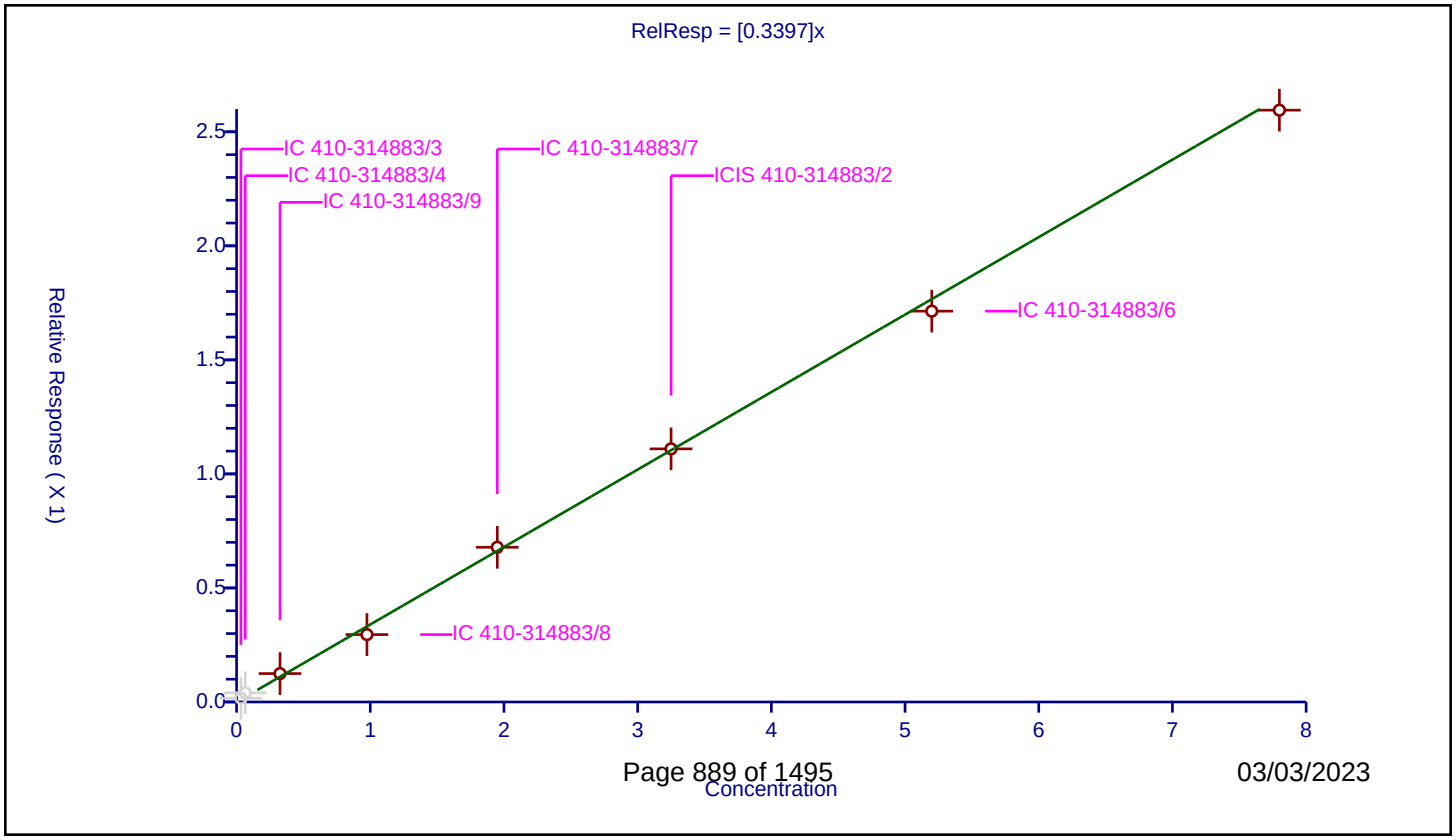
Curve Coefficients

Intercept:	0
Slope:	0.3397

Error Coefficients

Standard Error:	156000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.0325	0.016651	5.0	490662.0	0.512338	N
2	IC 410-314883/4	0.065	0.040163	5.0	470704.0	0.617896	N
3	IC 410-314883/9	0.325	0.124592	5.0	523389.0	0.38336	Y
4	IC 410-314883/8	0.975	0.295542	5.0	506053.0	0.30312	Y
5	IC 410-314883/7	1.95	0.678396	5.0	496244.0	0.347895	Y
6	ICIS 410-314883/2	3.25	1.109925	5.0	523765.0	0.341515	Y
7	IC 410-314883/6	5.2	1.713667	5.0	517475.0	0.329551	Y
8	IC 410-314883/5	7.8	2.594961	5.0	513894.0	0.332687	Y



Calibration / Hexachlorobenzene

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

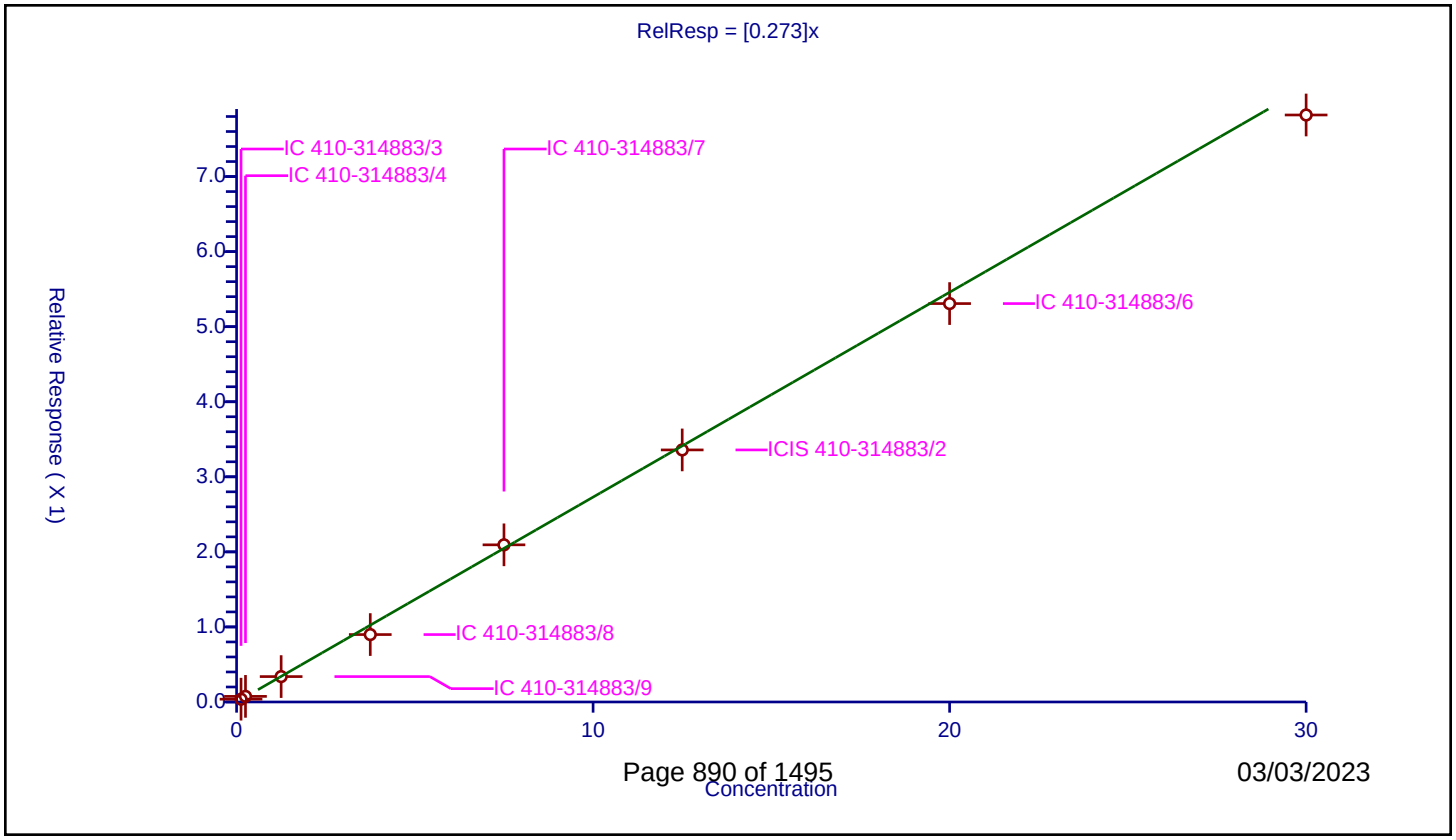
Curve Coefficients

Intercept:	0
Slope:	0.273

Error Coefficients

Standard Error:	401000
Relative Standard Error:	7.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.037541	5.0	490662.0	0.300329	Y
2	IC 410-314883/4	0.25	0.074803	5.0	470704.0	0.299211	Y
3	IC 410-314883/9	1.25	0.33841	5.0	523389.0	0.270728	Y
4	IC 410-314883/8	3.75	0.898127	5.0	506053.0	0.239501	Y
5	IC 410-314883/7	7.5	2.093718	5.0	496244.0	0.279162	Y
6	ICIS 410-314883/2	12.5	3.358185	5.0	523765.0	0.268655	Y
7	IC 410-314883/6	20.0	5.307783	5.0	517475.0	0.265389	Y
8	IC 410-314883/5	30.0	7.820543	5.0	513894.0	0.260685	Y



Calibration / Dimethoate

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

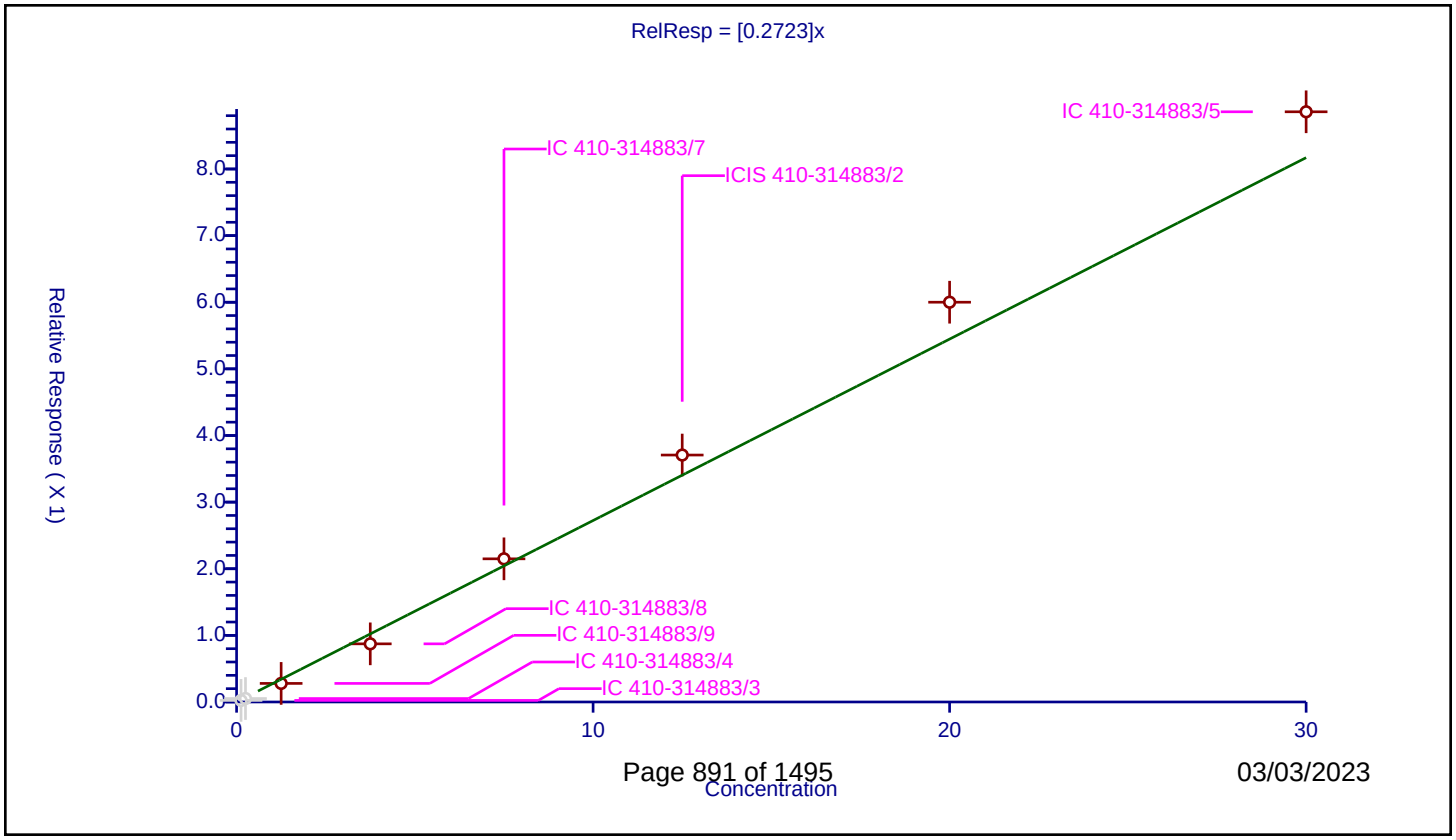
Curve Coefficients

Intercept:	0
Slope:	0.2723

Error Coefficients

Standard Error:	533000
Relative Standard Error:	12.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.023642	5.0	490662.0	0.189132	N
2	IC 410-314883/4	0.25	0.051752	5.0	470704.0	0.207009	N
3	IC 410-314883/9	1.25	0.27876	5.0	523389.0	0.223008	Y
4	IC 410-314883/8	3.75	0.872695	5.0	506053.0	0.232719	Y
5	IC 410-314883/7	7.5	2.14862	5.0	496244.0	0.286483	Y
6	ICIS 410-314883/2	12.5	3.706357	5.0	523765.0	0.296509	Y
7	IC 410-314883/6	20.0	6.000435	5.0	517475.0	0.300022	Y
8	IC 410-314883/5	30.0	8.858383	5.0	513894.0	0.295279	Y



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Calibration / Atrazine

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

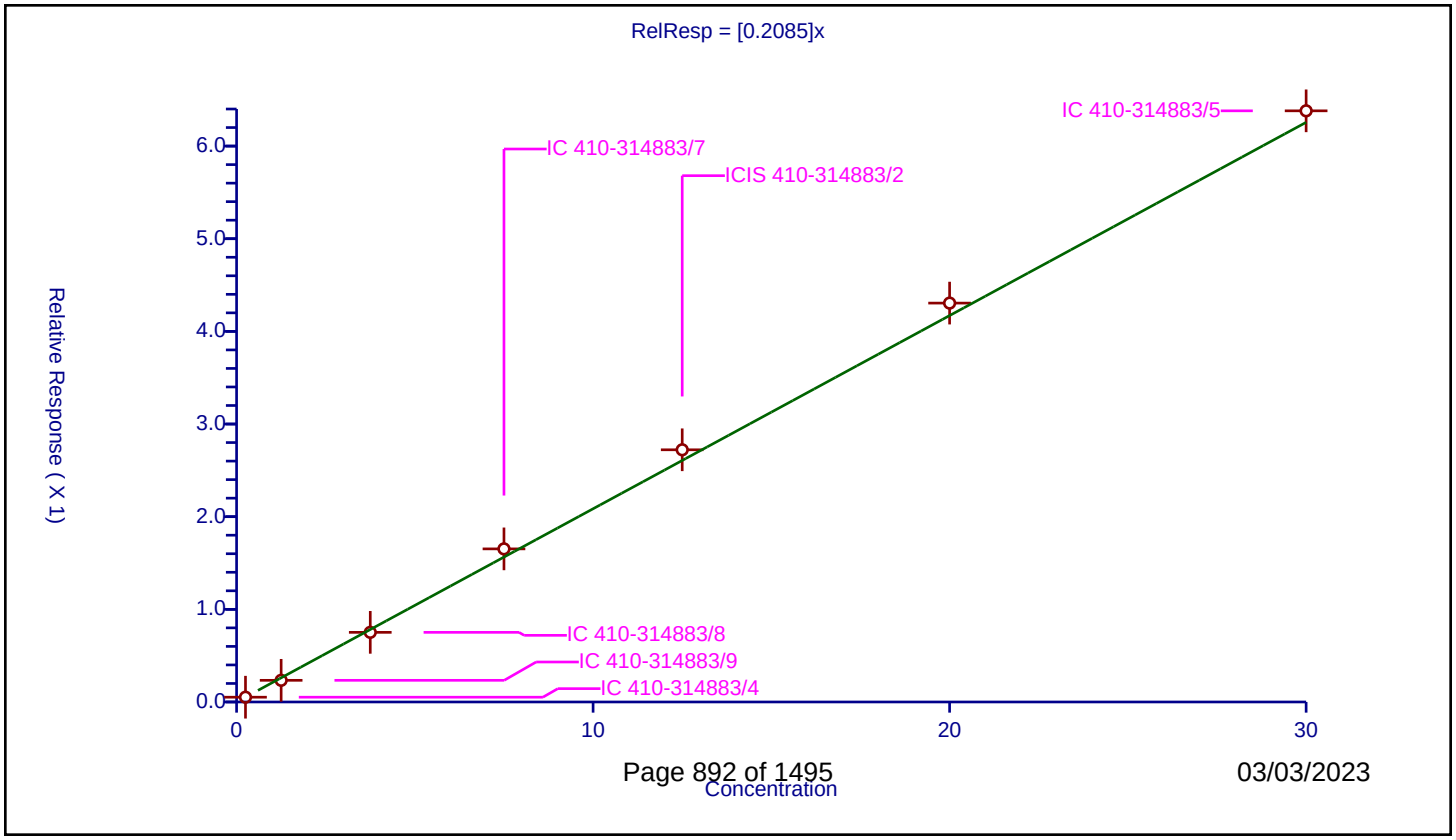
Curve Coefficients

Intercept:	0
Slope:	0.2085

Error Coefficients

Standard Error:	352000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/4	0.25	0.051529	5.0	470704.0	0.206117	Y
2	IC 410-314883/9	1.25	0.233927	5.0	523389.0	0.187142	Y
3	IC 410-314883/8	3.75	0.751749	5.0	506053.0	0.200466	Y
4	IC 410-314883/7	7.5	1.652383	5.0	496244.0	0.220318	Y
5	ICIS 410-314883/2	12.5	2.721984	5.0	523765.0	0.217759	Y
6	IC 410-314883/6	20.0	4.305387	5.0	517475.0	0.215269	Y
7	IC 410-314883/5	30.0	6.380567	5.0	513894.0	0.212686	Y



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Calibration / Pentachlorophenol

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

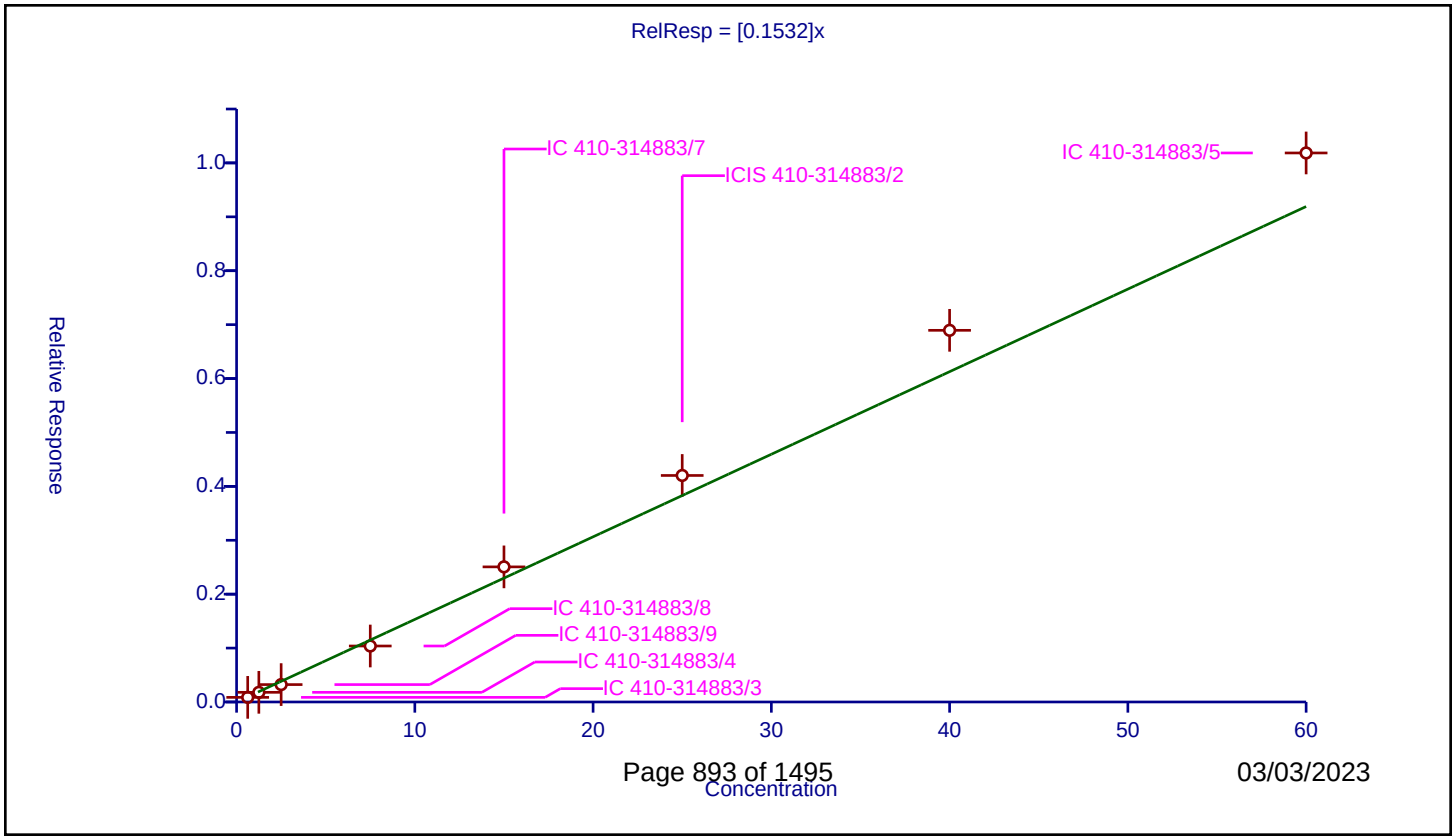
Curve Coefficients

Intercept:	0
Slope:	0.1532

Error Coefficients

Standard Error:	517000
Relative Standard Error:	11.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.625	0.085802	5.0	490662.0	0.137284	Y
2	IC 410-314883/4	1.25	0.179072	5.0	470704.0	0.143258	Y
3	IC 410-314883/9	2.5	0.322791	5.0	523389.0	0.129116	Y
4	IC 410-314883/8	7.5	1.038745	5.0	506053.0	0.138499	Y
5	IC 410-314883/7	15.0	2.506428	5.0	496244.0	0.167095	Y
6	ICIS 410-314883/2	25.0	4.202238	5.0	523765.0	0.16809	Y
7	IC 410-314883/6	40.0	6.894739	5.0	517475.0	0.172368	Y
8	IC 410-314883/5	60.0	10.184814	5.0	513894.0	0.169747	Y



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Calibration / 4-Aminobiphenyl

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

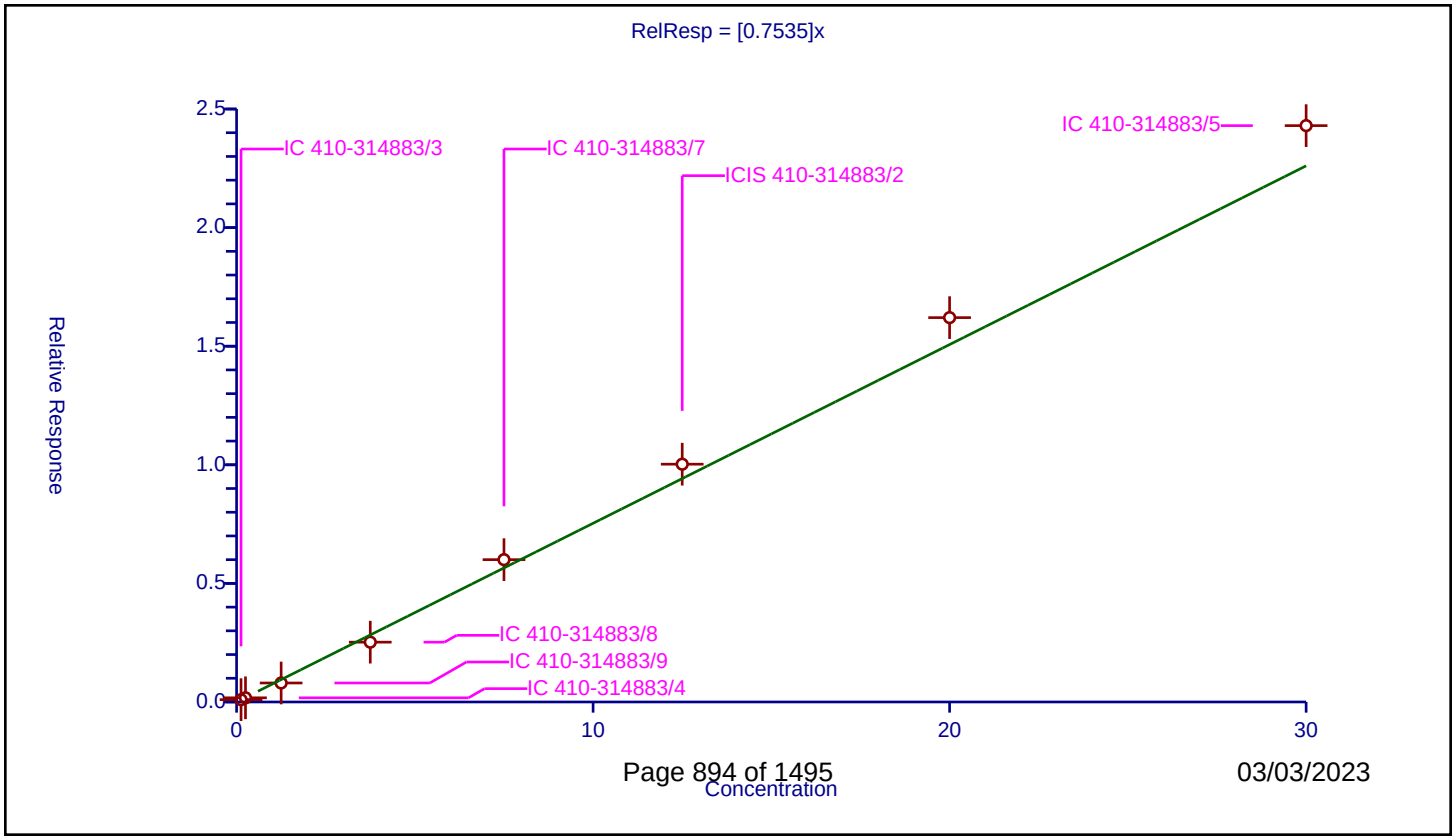
Curve Coefficients

Intercept:	0
Slope:	0.7535

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.098632	5.0	490662.0	0.789056	Y
2	IC 410-314883/4	0.25	0.175737	5.0	470704.0	0.702947	Y
3	IC 410-314883/9	1.25	0.800733	5.0	523389.0	0.640587	Y
4	IC 410-314883/8	3.75	2.522473	5.0	506053.0	0.672659	Y
5	IC 410-314883/7	7.5	6.000677	5.0	496244.0	0.80009	Y
6	ICIS 410-314883/2	12.5	10.026119	5.0	523765.0	0.802089	Y
7	IC 410-314883/6	20.0	16.204706	5.0	517475.0	0.810235	Y
8	IC 410-314883/5	30.0	24.299116	5.0	513894.0	0.809971	Y



Calibration / Pentachloronitrobenzene

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

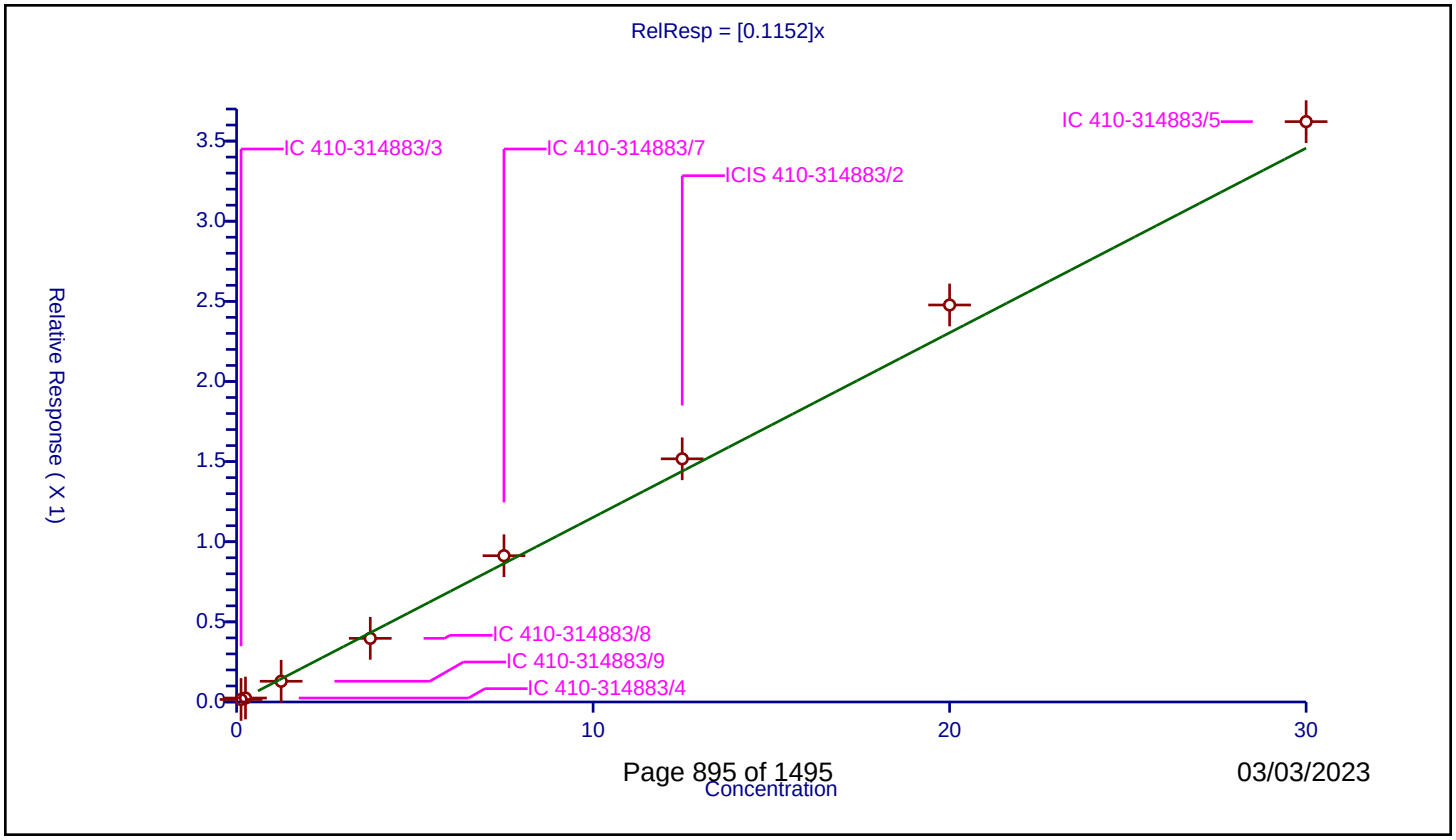
Curve Coefficients

Intercept:	0
Slope:	0.1152

Error Coefficients

Standard Error:	185000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.015724	5.0	490662.0	0.125789	Y
2	IC 410-314883/4	0.25	0.024676	5.0	470704.0	0.098703	Y
3	IC 410-314883/9	1.25	0.129445	5.0	523389.0	0.103556	Y
4	IC 410-314883/8	3.75	0.397132	5.0	506053.0	0.105902	Y
5	IC 410-314883/7	7.5	0.912706	5.0	496244.0	0.121694	Y
6	ICIS 410-314883/2	12.5	1.517226	5.0	523765.0	0.121378	Y
7	IC 410-314883/6	20.0	2.477105	5.0	517475.0	0.123855	Y
8	IC 410-314883/5	30.0	3.62135	5.0	513894.0	0.120712	Y



Calibration / Pronamide

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

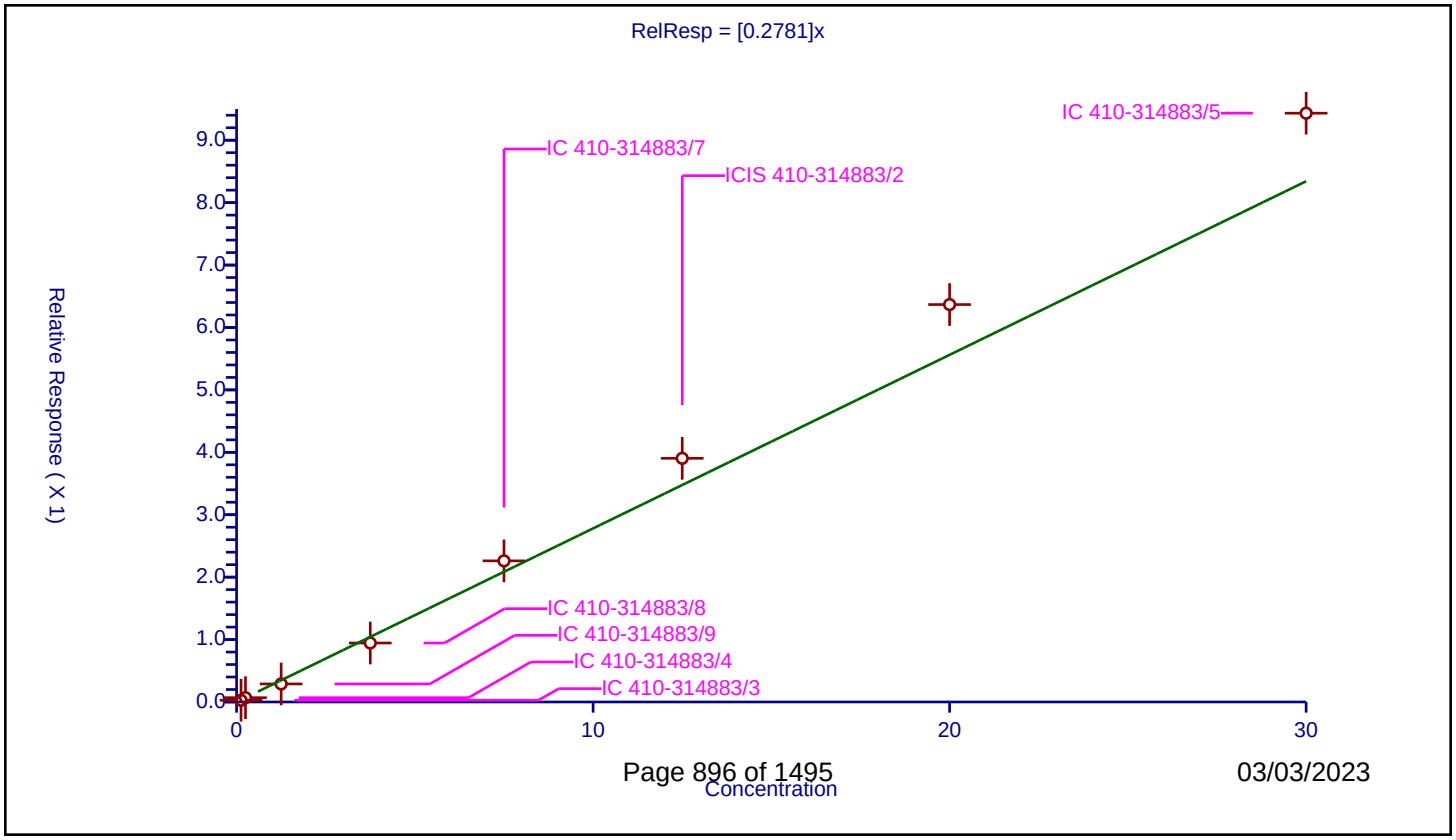
Curve Coefficients

Intercept:	0
Slope:	0.2781

Error Coefficients

Standard Error:	478000
Relative Standard Error:	14.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.027453	5.0	490662.0	0.219622	Y
2	IC 410-314883/4	0.25	0.068833	5.0	470704.0	0.275332	Y
3	IC 410-314883/9	1.25	0.288867	5.0	523389.0	0.231094	Y
4	IC 410-314883/8	3.75	0.944891	5.0	506053.0	0.251971	Y
5	IC 410-314883/7	7.5	2.260904	5.0	496244.0	0.301454	Y
6	ICIS 410-314883/2	12.5	3.903802	5.0	523765.0	0.312304	Y
7	IC 410-314883/6	20.0	6.367322	5.0	517475.0	0.318366	Y
8	IC 410-314883/5	30.0	9.432762	5.0	513894.0	0.314425	Y



Calibration / Dinoseb

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

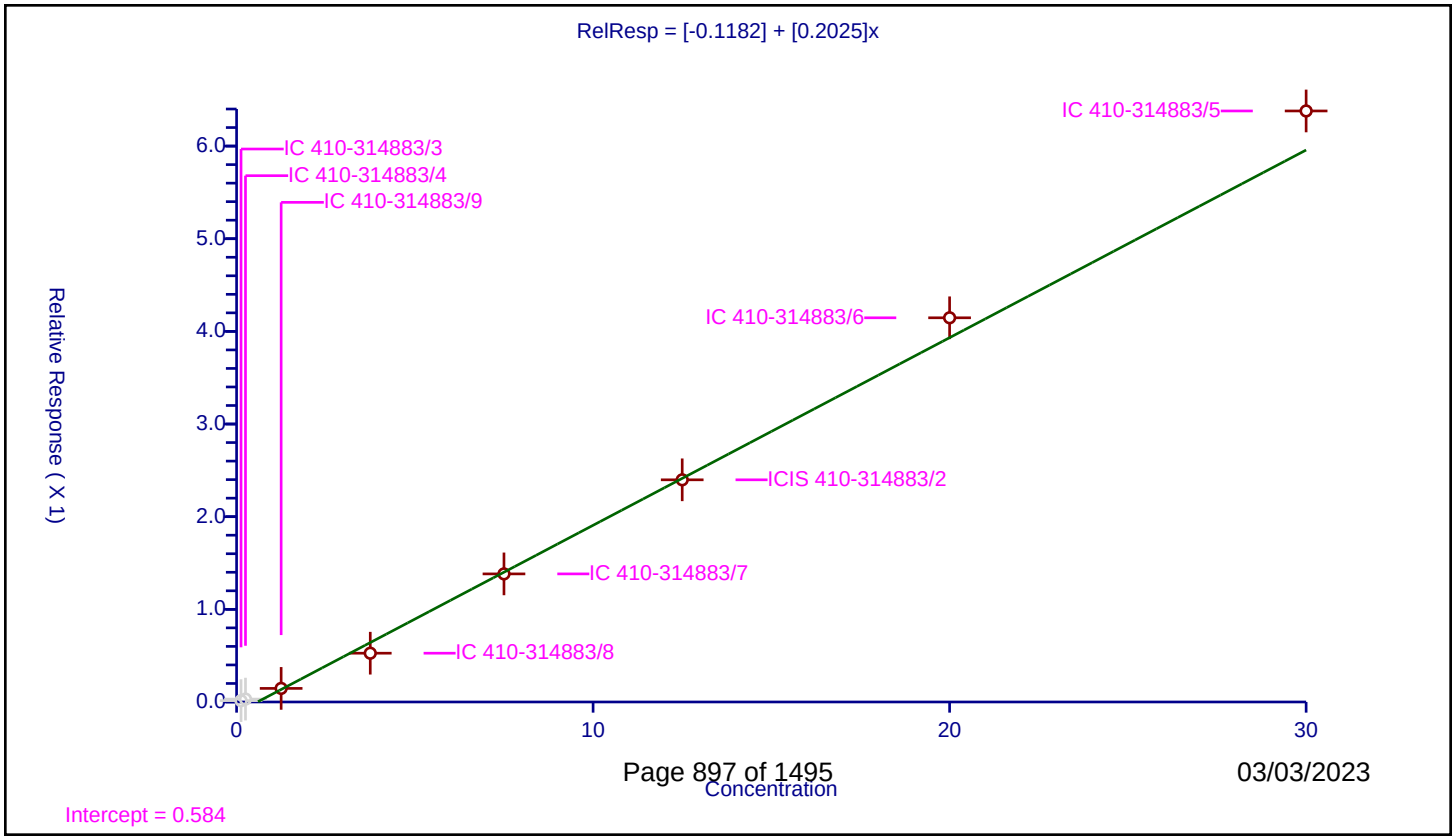
Curve Coefficients

Intercept:	-0.1182
Slope:	0.2025

Error Coefficients

Standard Error:	418000
Relative Standard Error:	9.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.014429	5.0	490662.0	0.115436	N
2	IC 410-314883/4	0.25	0.031134	5.0	470704.0	0.124537	N
3	IC 410-314883/9	1.25	0.146774	5.0	523389.0	0.117419	Y
4	IC 410-314883/8	3.75	0.526476	5.0	506053.0	0.140394	Y
5	IC 410-314883/7	7.5	1.382596	5.0	496244.0	0.184346	Y
6	ICIS 410-314883/2	12.5	2.397888	5.0	523765.0	0.191831	Y
7	IC 410-314883/6	20.0	4.146674	5.0	517475.0	0.207334	Y
8	IC 410-314883/5	30.0	6.379049	5.0	513894.0	0.212635	Y



Calibration / Disulfoton

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

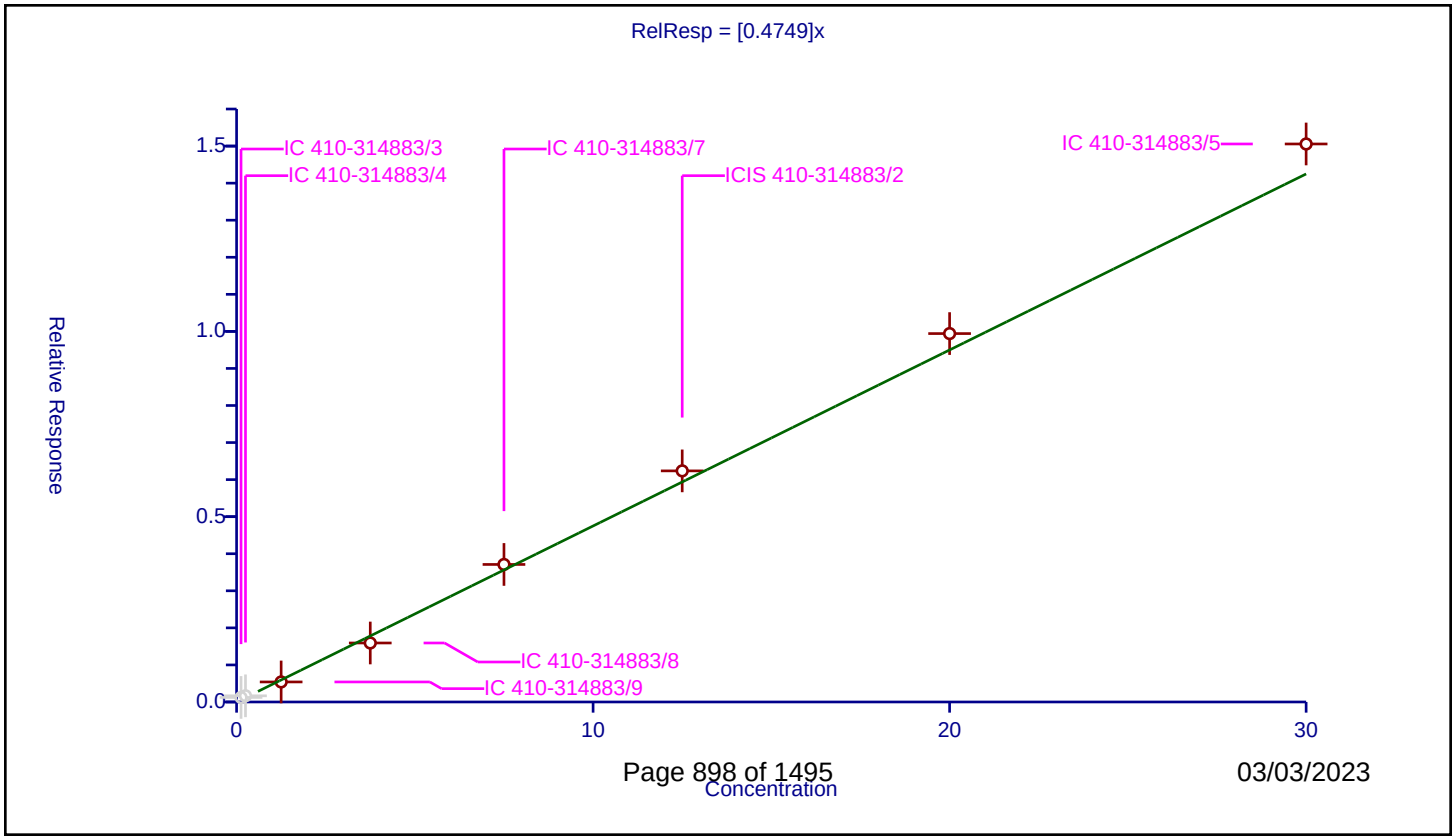
Curve Coefficients

Intercept:	0
Slope:	0.4749

Error Coefficients

Standard Error:	899000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.122528	5.0	490662.0	0.980227	N
2	IC 410-314883/4	0.25	0.166538	5.0	470704.0	0.666151	N
3	IC 410-314883/9	1.25	0.540659	5.0	523389.0	0.432527	Y
4	IC 410-314883/8	3.75	1.59179	5.0	506053.0	0.424477	Y
5	IC 410-314883/7	7.5	3.710876	5.0	496244.0	0.494783	Y
6	ICIS 410-314883/2	12.5	6.236213	5.0	523765.0	0.498897	Y
7	IC 410-314883/6	20.0	9.940934	5.0	517475.0	0.497047	Y
8	IC 410-314883/5	30.0	15.056967	5.0	513894.0	0.501899	Y



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Calibration / Phenanthrene

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

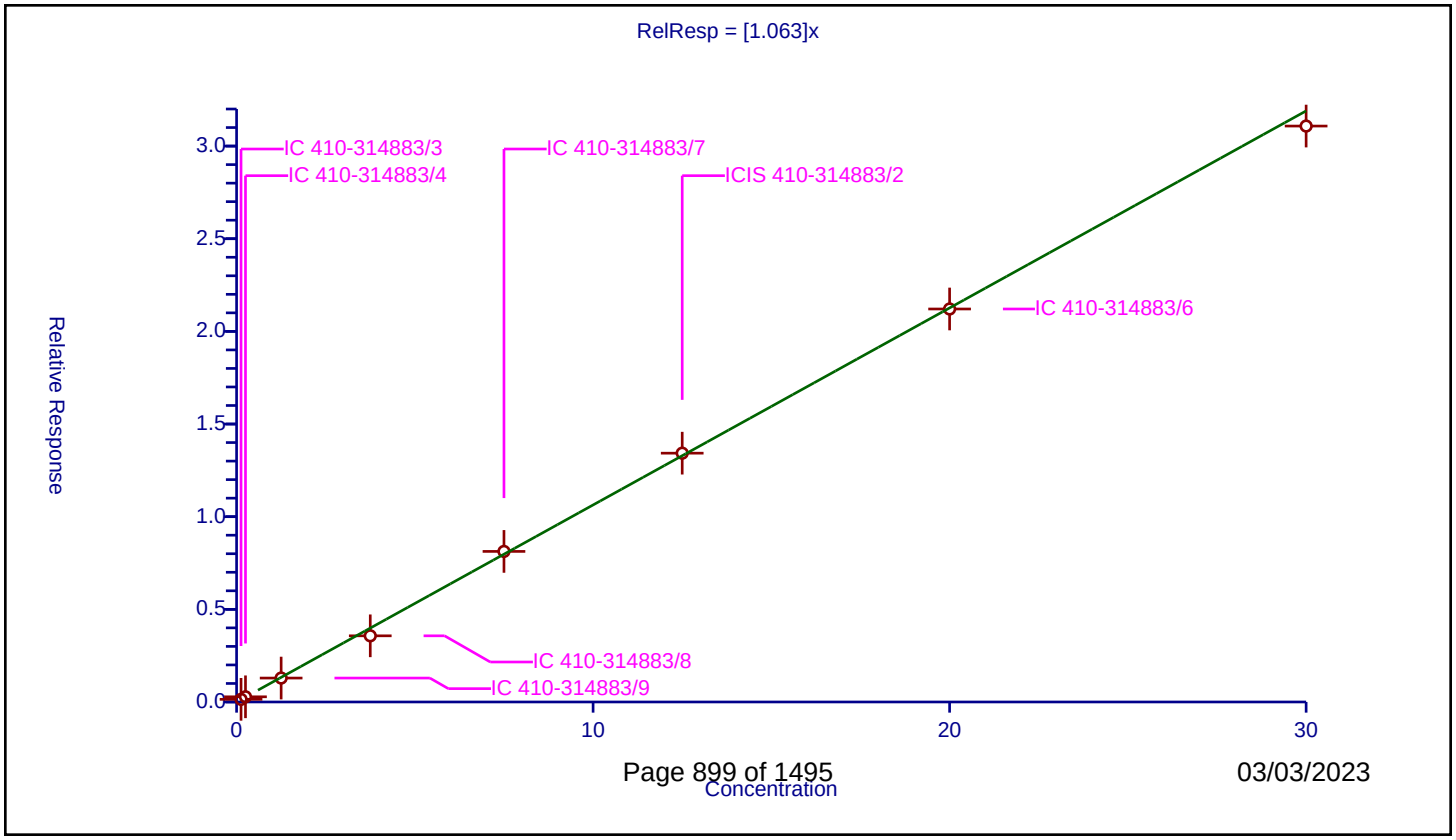
Curve Coefficients

Intercept:	0
Slope:	1.063

Error Coefficients

Standard Error:	1590000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.1435	5.0	490662.0	1.148	Y
2	IC 410-314883/4	0.25	0.279698	5.0	470704.0	1.118792	Y
3	IC 410-314883/9	1.25	1.291515	5.0	523389.0	1.033212	Y
4	IC 410-314883/8	3.75	3.570772	5.0	506053.0	0.952206	Y
5	IC 410-314883/7	7.5	8.125489	5.0	496244.0	1.083398	Y
6	ICIS 410-314883/2	12.5	13.427081	5.0	523765.0	1.074166	Y
7	IC 410-314883/6	20.0	21.20829	5.0	517475.0	1.060415	Y
8	IC 410-314883/5	30.0	31.080349	5.0	513894.0	1.036012	Y



Calibration / Anthracene

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

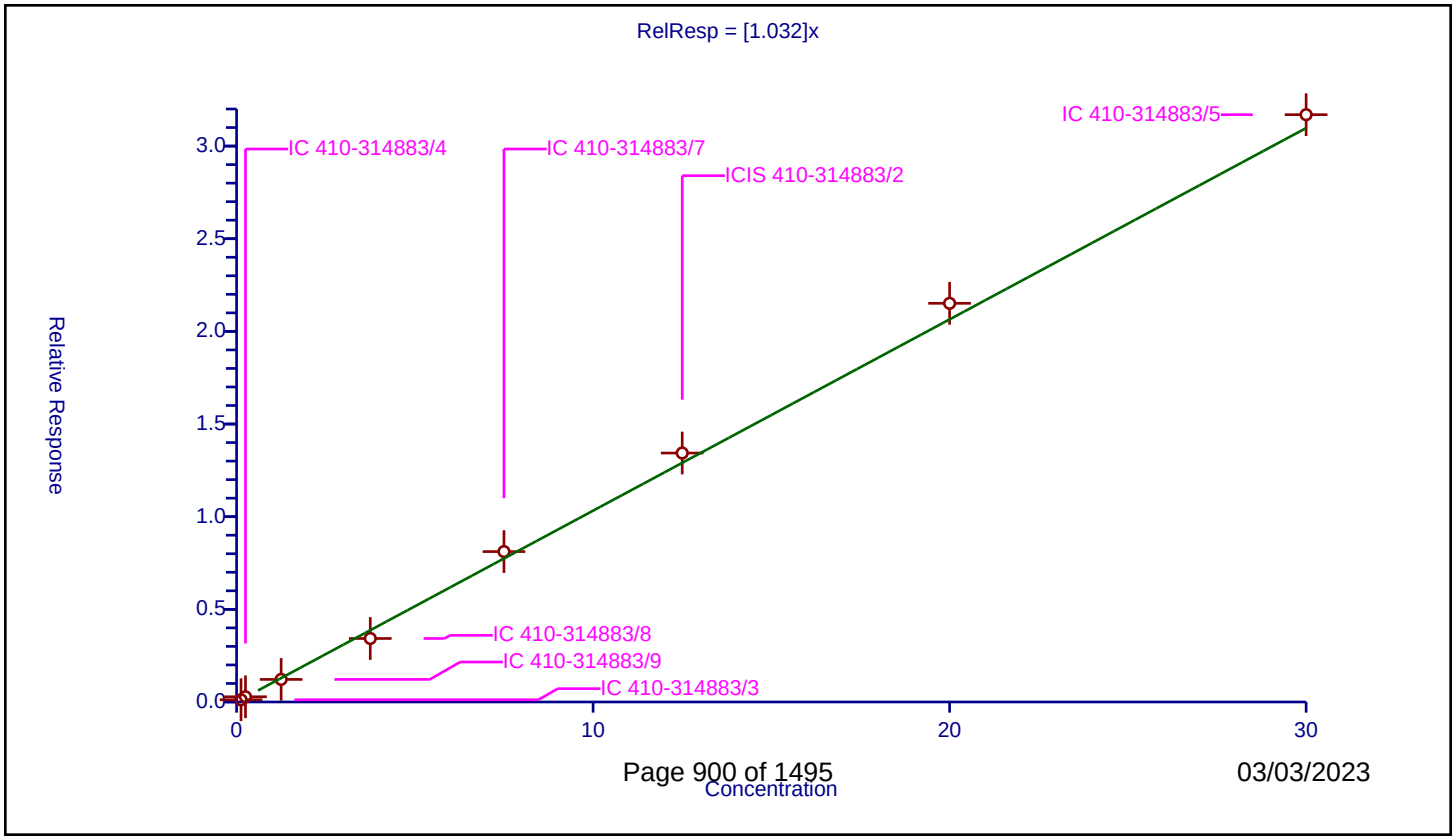
Curve Coefficients

Intercept:	0
Slope:	1.032

Error Coefficients

Standard Error:	1620000
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 410-314883/3	0.125	0.119706	5.0	490662.0	0.957645	Y
2	IC 410-314883/4	0.25	0.280792	5.0	470704.0	1.123169	Y
3	IC 410-314883/9	1.25	1.218577	5.0	523389.0	0.974862	Y
4	IC 410-314883/8	3.75	3.427576	5.0	506053.0	0.91402	Y
5	IC 410-314883/7	7.5	8.117388	5.0	496244.0	1.082318	Y
6	ICIS 410-314883/2	12.5	13.43404	5.0	523765.0	1.074723	Y
7	IC 410-314883/6	20.0	21.514923	5.0	517475.0	1.075746	Y
8	IC 410-314883/5	30.0	31.695077	5.0	513894.0	1.056503	Y



Calibration / Carbazole

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

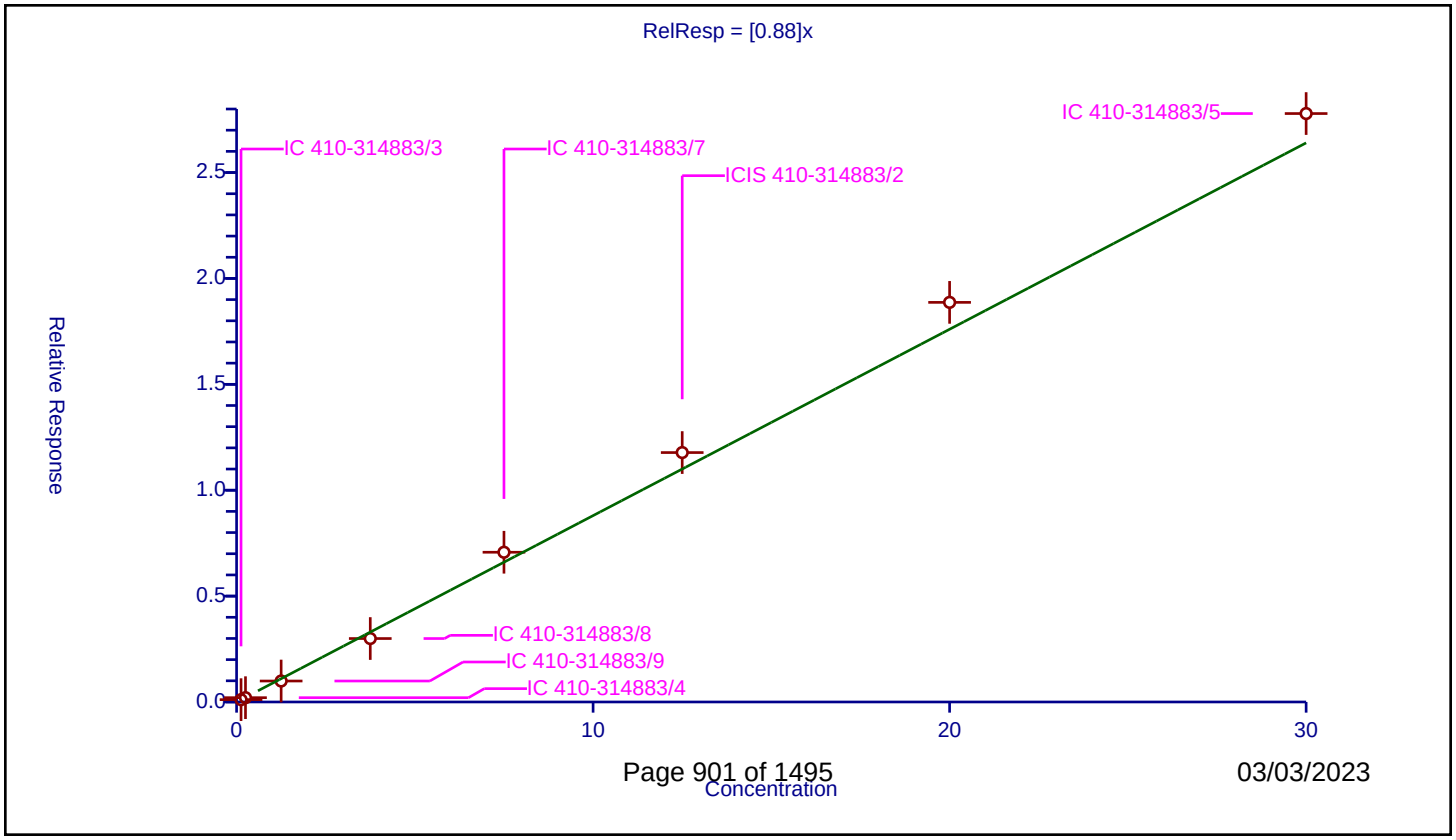
Curve Coefficients

Intercept:	0
Slope:	0.88

Error Coefficients

Standard Error:	1420000
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 410-314883/3	0.125	0.110249	5.0	490662.0	0.881992	Y
2	IC 410-314883/4	0.25	0.203143	5.0	470704.0	0.81257	Y
3	IC 410-314883/9	1.25	0.989723	5.0	523389.0	0.791778	Y
4	IC 410-314883/8	3.75	2.996208	5.0	506053.0	0.798989	Y
5	IC 410-314883/7	7.5	7.071118	5.0	496244.0	0.942816	Y
6	ICIS 410-314883/2	12.5	11.778135	5.0	523765.0	0.942251	Y
7	IC 410-314883/6	20.0	18.869665	5.0	517475.0	0.943483	Y
8	IC 410-314883/5	30.0	27.786197	5.0	513894.0	0.926207	Y



Calibration / Methyl parathion

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

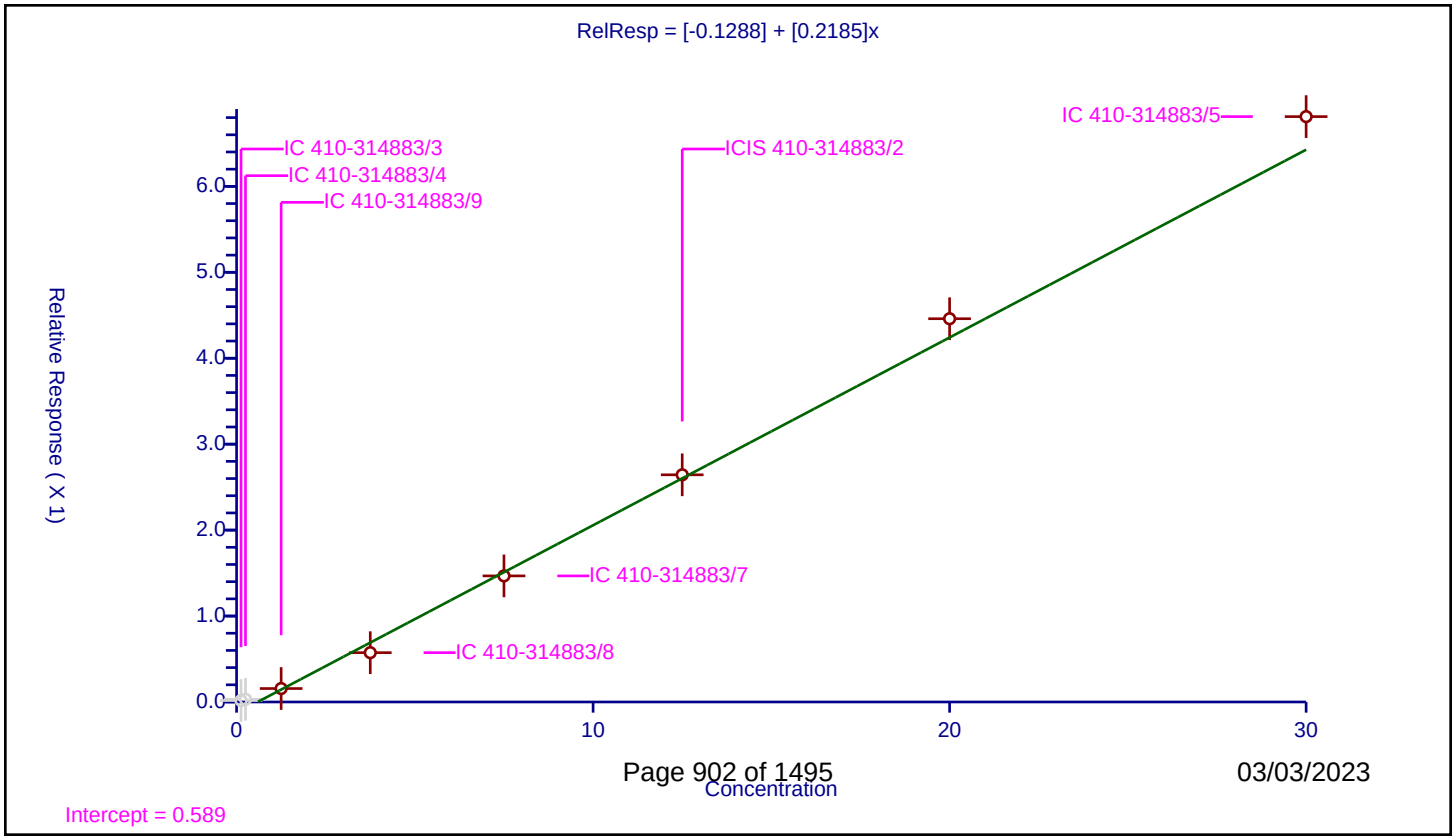
Curve Coefficients

Intercept:	-0.1288
Slope:	0.2185

Error Coefficients

Standard Error:	449000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.016926	5.0	490662.0	0.135409	N
2	IC 410-314883/4	0.25	0.031432	5.0	470704.0	0.125727	N
3	IC 410-314883/9	1.25	0.156576	5.0	523389.0	0.125261	Y
4	IC 410-314883/8	3.75	0.573883	5.0	506053.0	0.153035	Y
5	IC 410-314883/7	7.5	1.467161	5.0	496244.0	0.195622	Y
6	ICIS 410-314883/2	12.5	2.643724	5.0	523765.0	0.211498	Y
7	IC 410-314883/6	20.0	4.45981	5.0	517475.0	0.22299	Y
8	IC 410-314883/5	30.0	6.811492	5.0	513894.0	0.22705	Y



03/03/2023

Calibration / Di-n-butyl phthalate

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

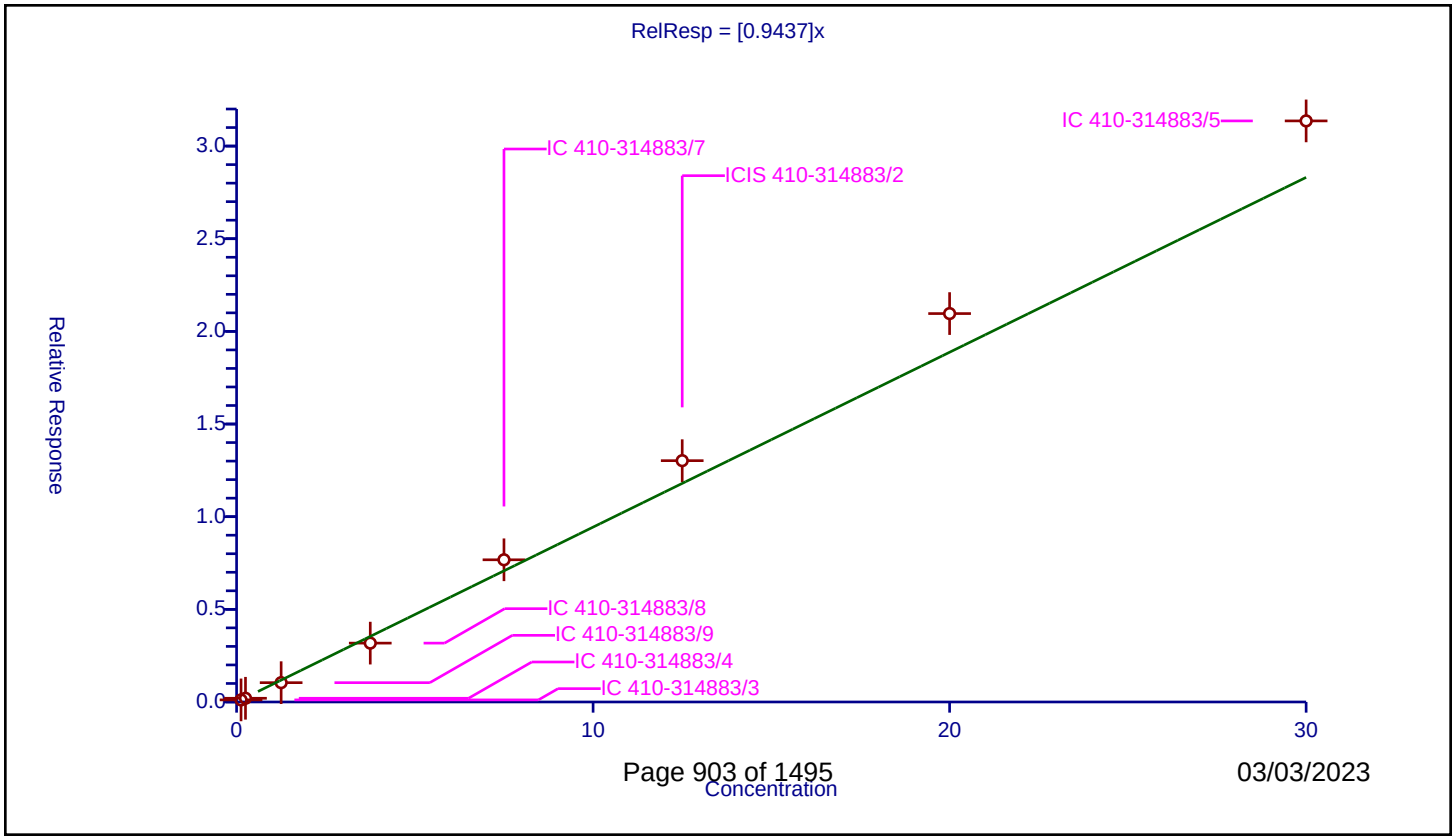
Curve Coefficients

Intercept:	0
Slope:	0.9437

Error Coefficients

Standard Error:	1590000
Relative Standard Error:	11.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.113041	5.0	490662.0	0.904329	Y
2	IC 410-314883/4	0.25	0.201284	5.0	470704.0	0.805134	Y
3	IC 410-314883/9	1.25	1.043182	5.0	523389.0	0.834546	Y
4	IC 410-314883/8	3.75	3.176841	5.0	506053.0	0.847158	Y
5	IC 410-314883/7	7.5	7.673765	5.0	496244.0	1.023169	Y
6	ICIS 410-314883/2	12.5	13.023121	5.0	523765.0	1.04185	Y
7	IC 410-314883/6	20.0	20.960172	5.0	517475.0	1.048009	Y
8	IC 410-314883/5	30.0	31.358831	5.0	513894.0	1.045294	Y



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Calibration / Ethyl Parathion

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

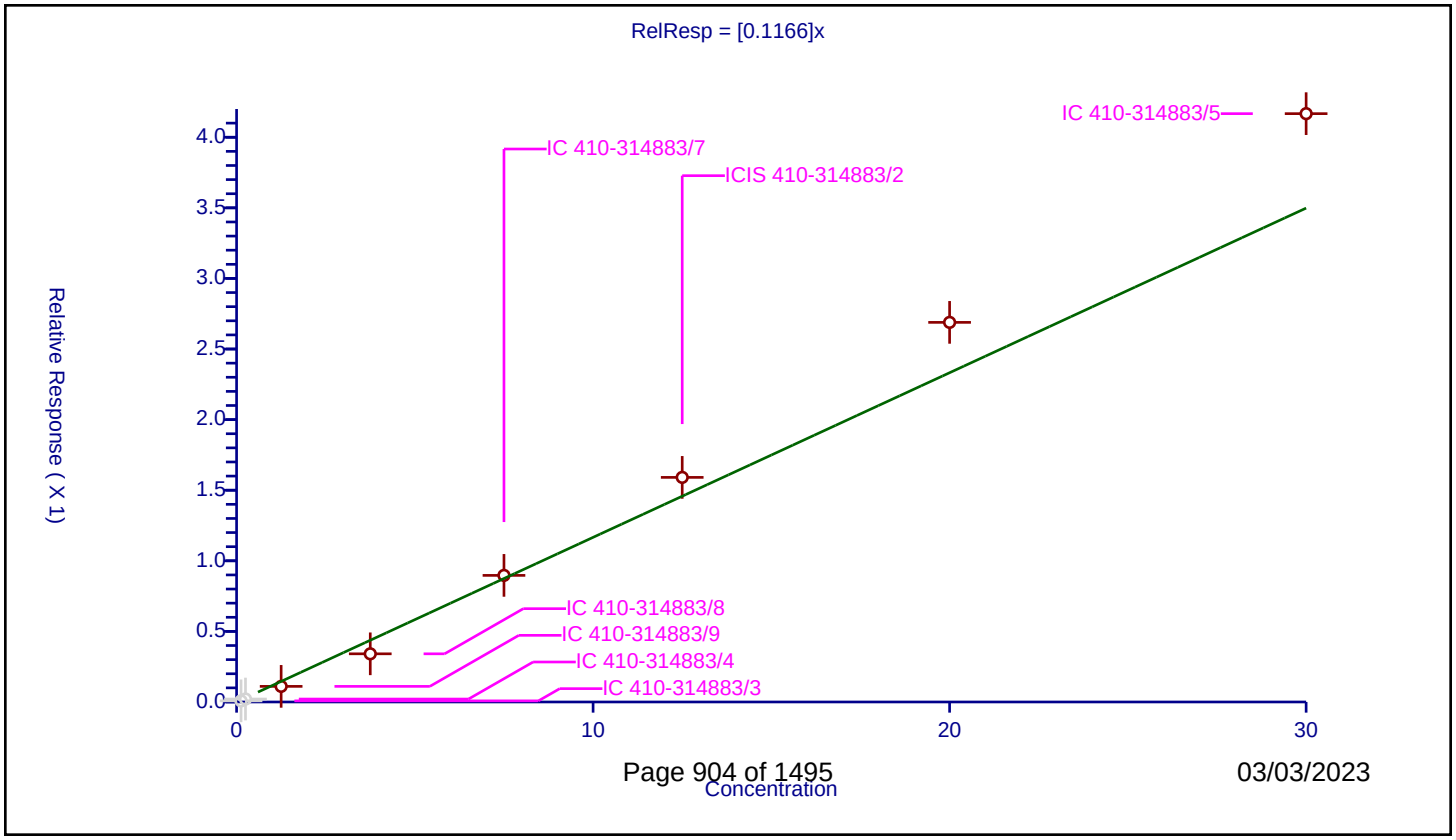
Curve Coefficients

Intercept:	0
Slope:	0.1166

Error Coefficients

Standard Error:	244000
Relative Standard Error:	18.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.007969	5.0	490662.0	0.063751	N
2	IC 410-314883/4	0.25	0.020915	5.0	470704.0	0.083662	N
3	IC 410-314883/9	1.25	0.110597	5.0	523389.0	0.088477	Y
4	IC 410-314883/8	3.75	0.34119	5.0	506053.0	0.090984	Y
5	IC 410-314883/7	7.5	0.896686	5.0	496244.0	0.119558	Y
6	ICIS 410-314883/2	12.5	1.590914	5.0	523765.0	0.127273	Y
7	IC 410-314883/6	20.0	2.688739	5.0	517475.0	0.134437	Y
8	IC 410-314883/5	30.0	4.167143	5.0	513894.0	0.138905	Y



Calibration / 4-Nitroquinoline-1-oxide

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

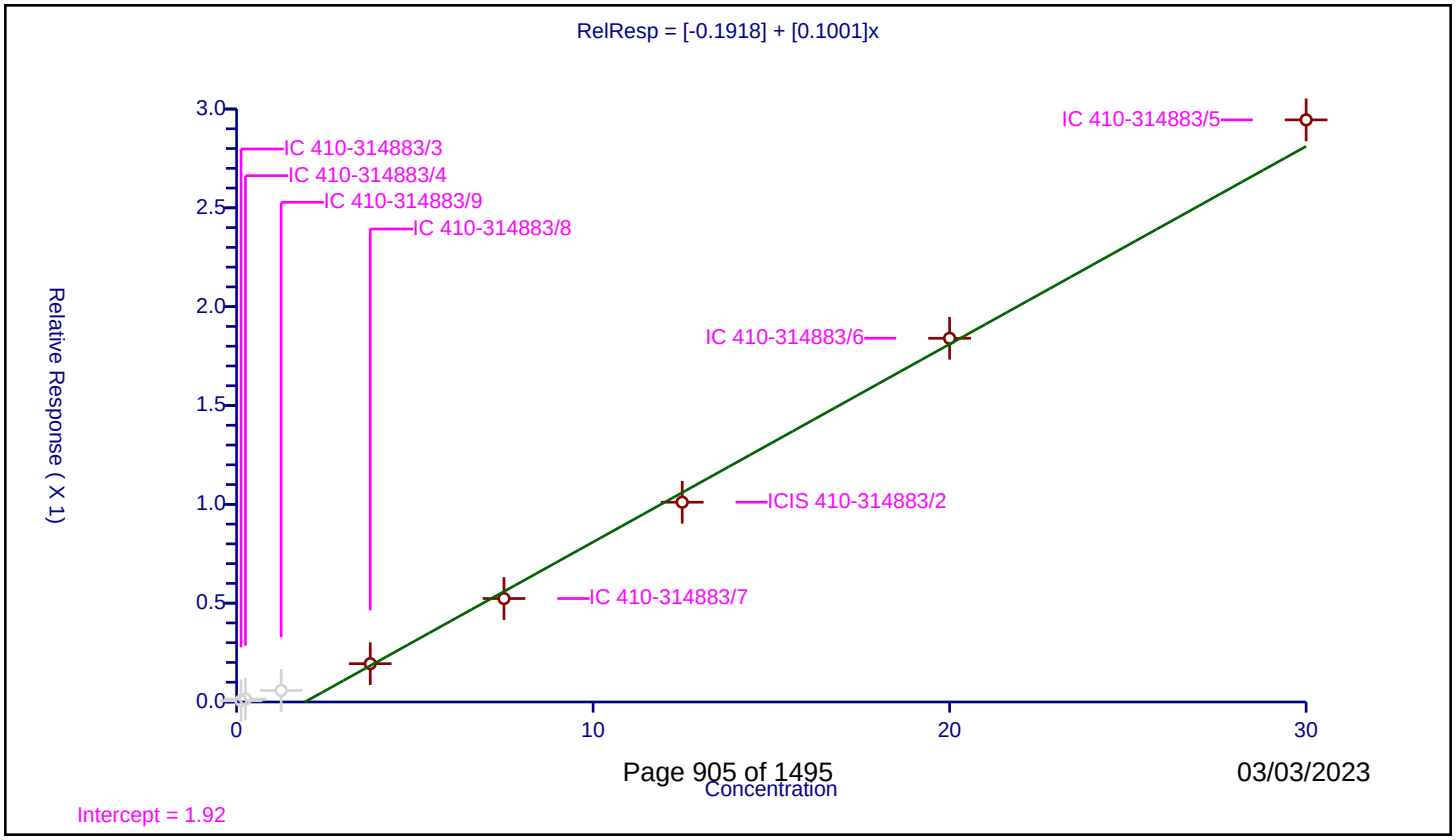
Curve Coefficients

Intercept:	-0.1918
Slope:	0.1001

Error Coefficients

Standard Error:	218000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.006318	5.0	490662.0	0.050544	N
2	IC 410-314883/4	0.25	0.014616	5.0	470704.0	0.058466	N
3	IC 410-314883/9	1.25	0.058532	5.0	523389.0	0.046826	N
4	IC 410-314883/8	3.75	0.193754	5.0	506053.0	0.051668	Y
5	IC 410-314883/7	7.5	0.523341	5.0	496244.0	0.069779	Y
6	ICIS 410-314883/2	12.5	1.010673	5.0	523765.0	0.080854	Y
7	IC 410-314883/6	20.0	1.839983	5.0	517475.0	0.091999	Y
8	IC 410-314883/5	30.0	2.945102	5.0	513894.0	0.09817	Y



Calibration / Octachlorostyrene

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

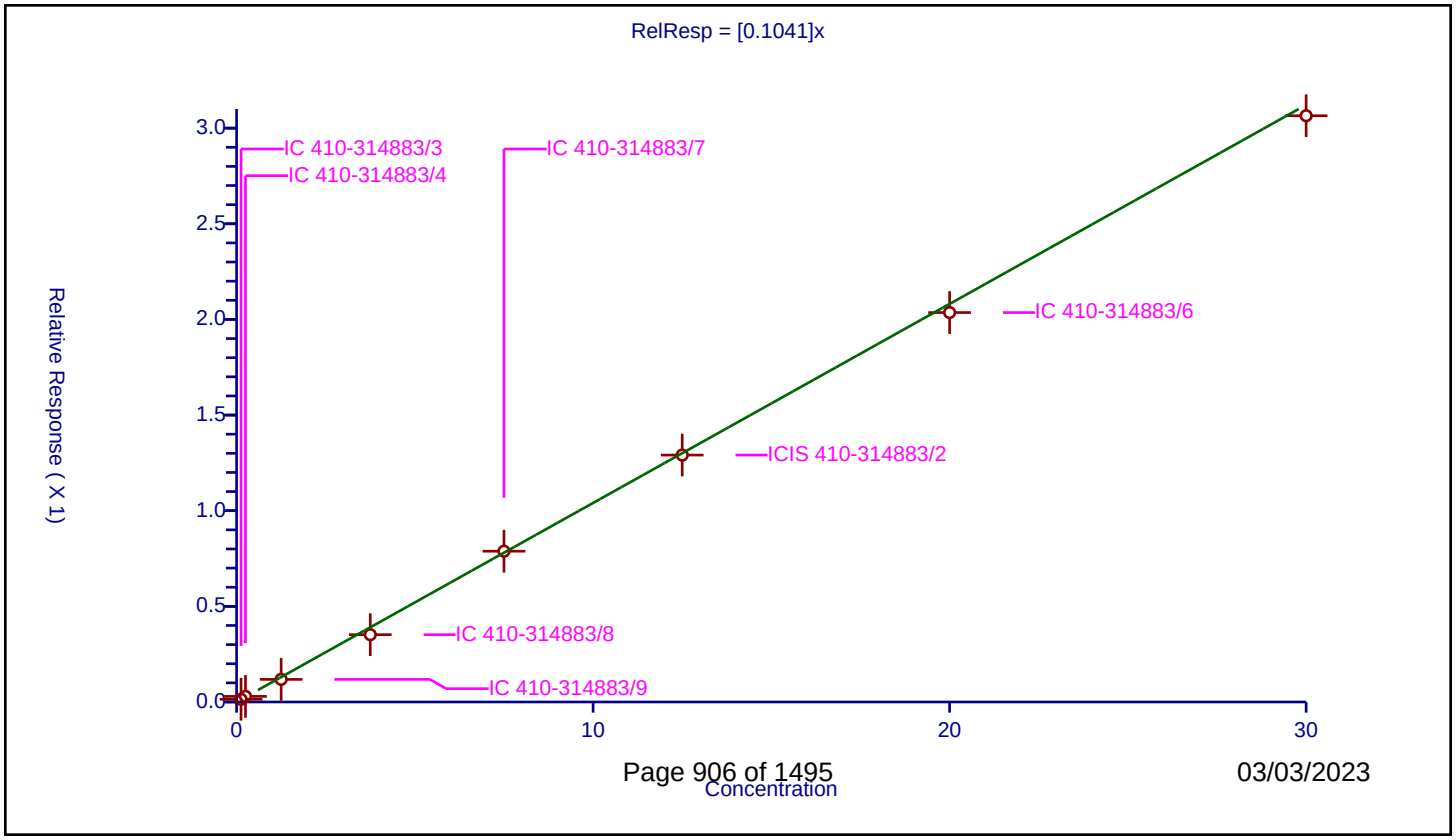
Curve Coefficients

Intercept:	0
Slope:	0.1041

Error Coefficients

Standard Error:	156000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.014266	5.0	490662.0	0.114132	Y
2	IC 410-314883/4	0.25	0.029392	5.0	470704.0	0.117569	Y
3	IC 410-314883/9	1.25	0.118143	5.0	523389.0	0.094515	Y
4	IC 410-314883/8	3.75	0.351969	5.0	506053.0	0.093858	Y
5	IC 410-314883/7	7.5	0.788302	5.0	496244.0	0.105107	Y
6	ICIS 410-314883/2	12.5	1.290894	5.0	523765.0	0.103272	Y
7	IC 410-314883/6	20.0	2.035886	5.0	517475.0	0.101794	Y
8	IC 410-314883/5	30.0	3.064873	5.0	513894.0	0.102162	Y



Calibration / Isodrin

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

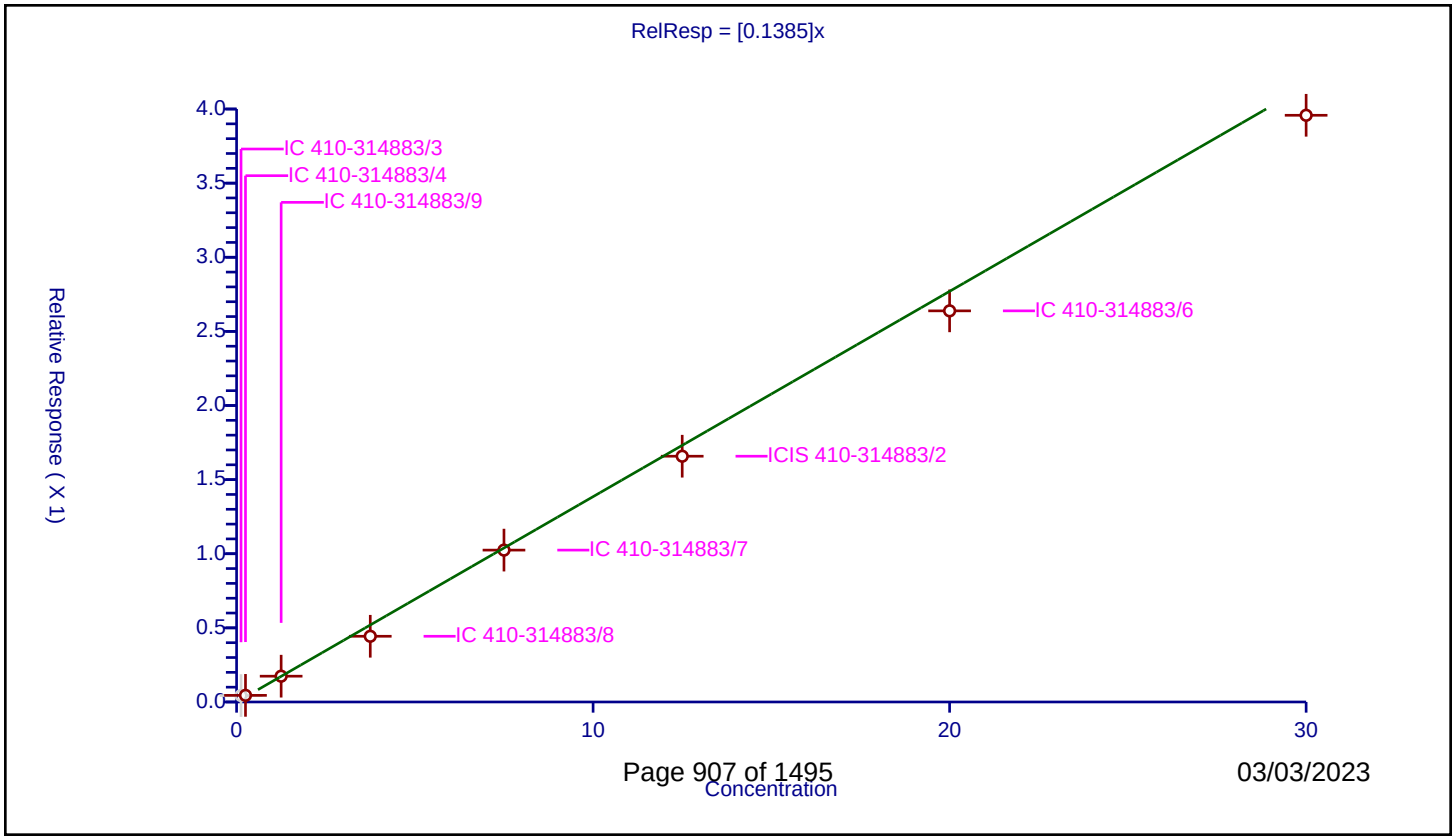
Curve Coefficients

Intercept:	0
Slope:	0.1385

Error Coefficients

Standard Error:	217000
Relative Standard Error:	13.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.043482	5.0	490662.0	0.347857	N
2	IC 410-314883/4	0.25	0.044752	5.0	470704.0	0.179008	Y
3	IC 410-314883/9	1.25	0.174048	5.0	523389.0	0.139239	Y
4	IC 410-314883/8	3.75	0.443333	5.0	506053.0	0.118222	Y
5	IC 410-314883/7	7.5	1.024516	5.0	496244.0	0.136602	Y
6	ICIS 410-314883/2	12.5	1.657852	5.0	523765.0	0.132628	Y
7	IC 410-314883/6	20.0	2.638524	5.0	517475.0	0.131926	Y
8	IC 410-314883/5	30.0	3.957655	5.0	513894.0	0.131922	Y



Calibration / Fluoranthene

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

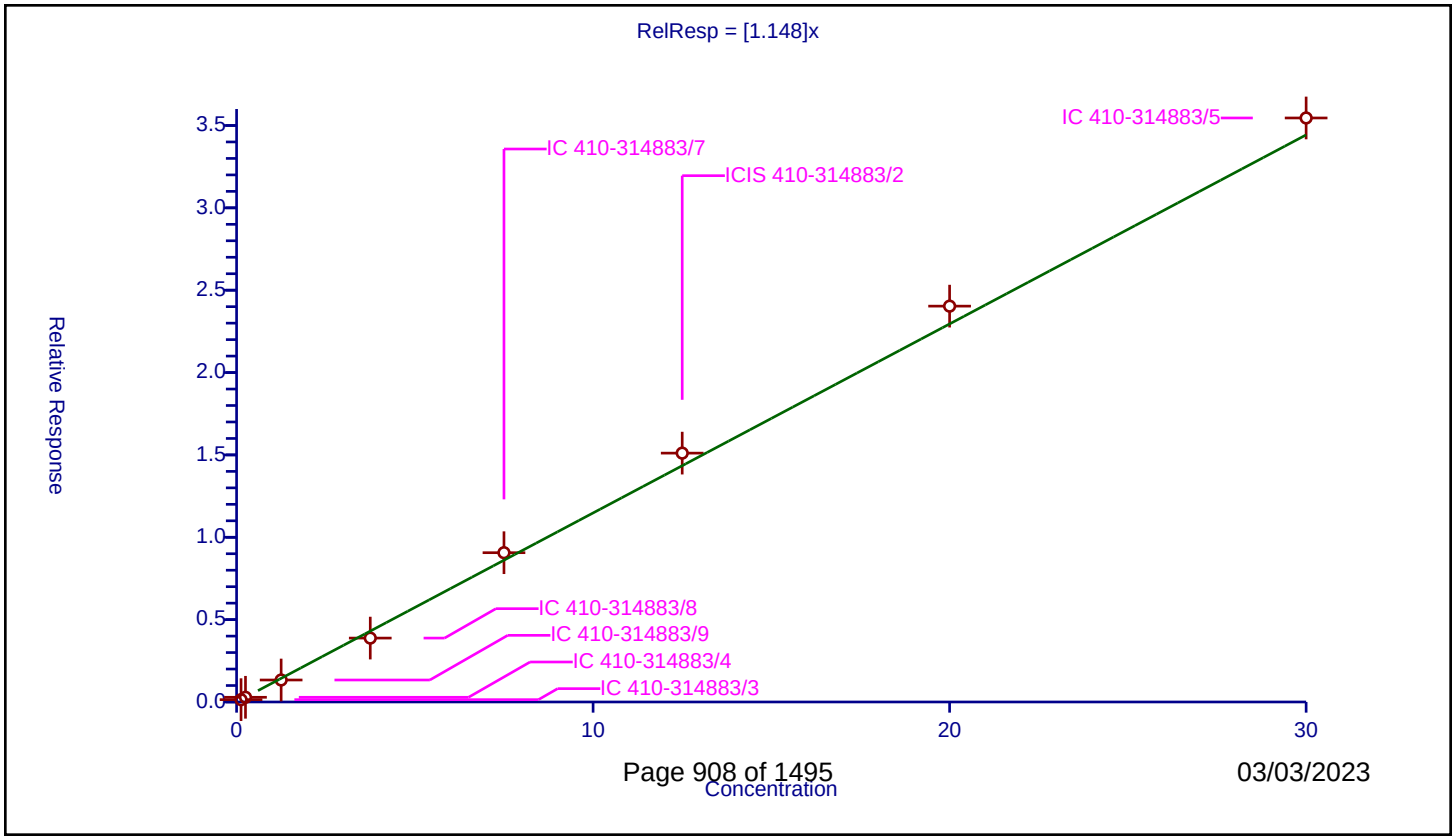
Curve Coefficients

Intercept:	0
Slope:	1.148

Error Coefficients

Standard Error:	1810000
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 410-314883/3	0.125	0.142247	5.0	490662.0	1.137973	Y
2	IC 410-314883/4	0.25	0.285137	5.0	470704.0	1.140547	Y
3	IC 410-314883/9	1.25	1.334228	5.0	523389.0	1.067382	Y
4	IC 410-314883/8	3.75	3.879287	5.0	506053.0	1.034477	Y
5	IC 410-314883/7	7.5	9.063374	5.0	496244.0	1.20845	Y
6	ICIS 410-314883/2	12.5	15.10877	5.0	523765.0	1.208702	Y
7	IC 410-314883/6	20.0	24.03234	5.0	517475.0	1.201617	Y
8	IC 410-314883/5	30.0	35.45633	5.0	513894.0	1.181878	Y



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Calibration / Benzidine

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

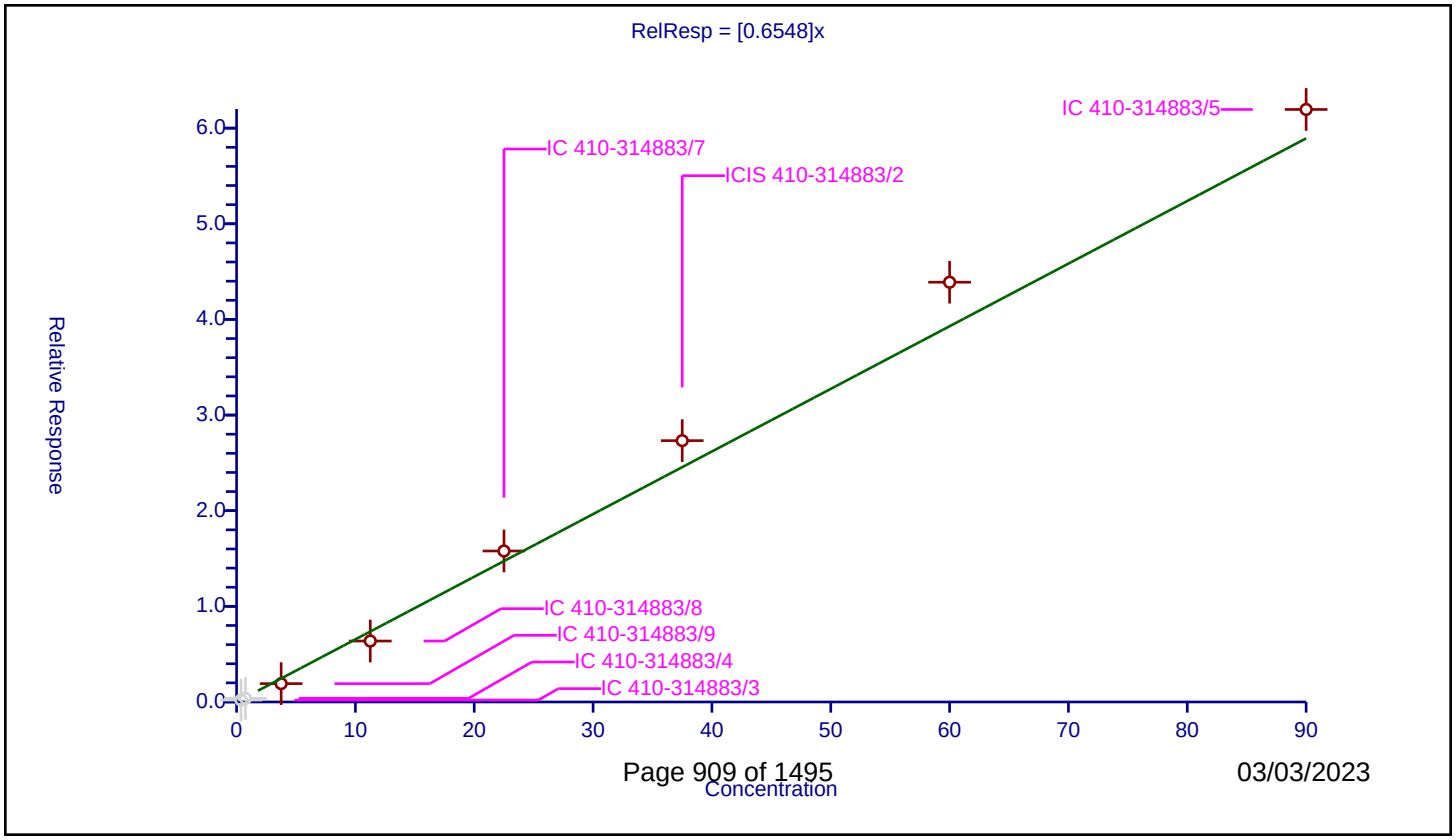
Curve Coefficients

Intercept:	0
Slope:	0.6548

Error Coefficients

Standard Error:	4020000
Relative Standard Error:	14.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.375	0.203349	5.0	494593.0	0.542264	N
2	IC 410-314883/4	0.75	0.380558	5.0	488822.0	0.50741	N
3	IC 410-314883/9	3.75	1.919917	5.0	547831.0	0.511978	Y
4	IC 410-314883/8	11.25	6.37328	5.0	527682.0	0.566514	Y
5	IC 410-314883/7	22.5	15.787131	5.0	525478.0	0.70165	Y
6	ICIS 410-314883/2	37.5	27.324722	5.0	552251.0	0.728659	Y
7	IC 410-314883/6	60.0	43.890333	5.0	540018.0	0.731506	Y
8	IC 410-314883/5	90.0	61.952964	5.0	547880.0	0.688366	Y



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Calibration / Pyrene

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

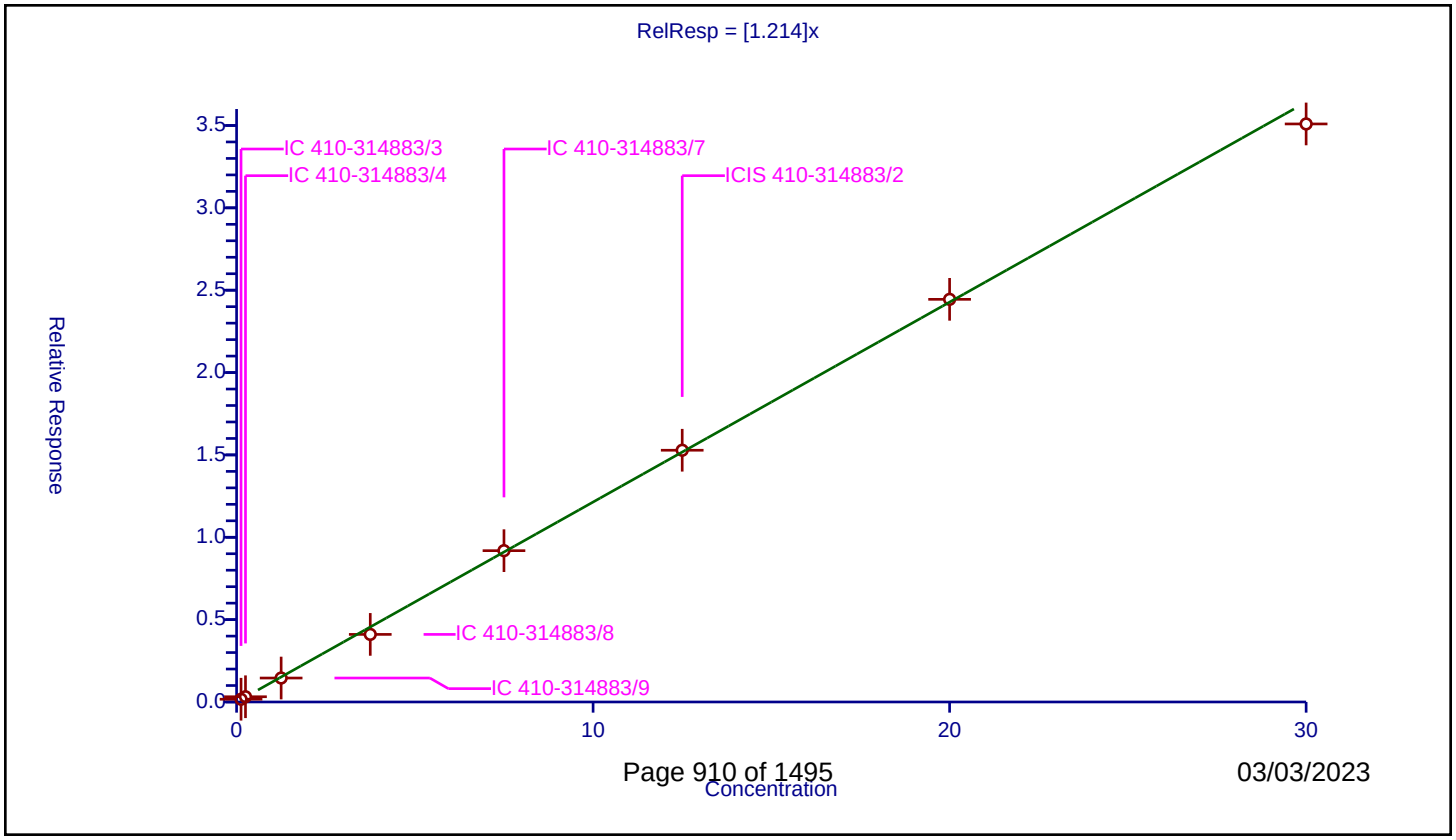
Curve Coefficients

Intercept:	0
Slope:	1.214

Error Coefficients

Standard Error:	1920000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.167693	5.0	494593.0	1.341547	Y
2	IC 410-314883/4	0.25	0.31803	5.0	488822.0	1.27212	Y
3	IC 410-314883/9	1.25	1.45387	5.0	547831.0	1.163096	Y
4	IC 410-314883/8	3.75	4.103646	5.0	527682.0	1.094306	Y
5	IC 410-314883/7	7.5	9.187407	5.0	525478.0	1.224988	Y
6	ICIS 410-314883/2	12.5	15.283567	5.0	552251.0	1.222685	Y
7	IC 410-314883/6	20.0	24.445889	5.0	540018.0	1.222294	Y
8	IC 410-314883/5	30.0	35.093597	5.0	547880.0	1.169787	Y



Calibration / p-Terphenyl-d14

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

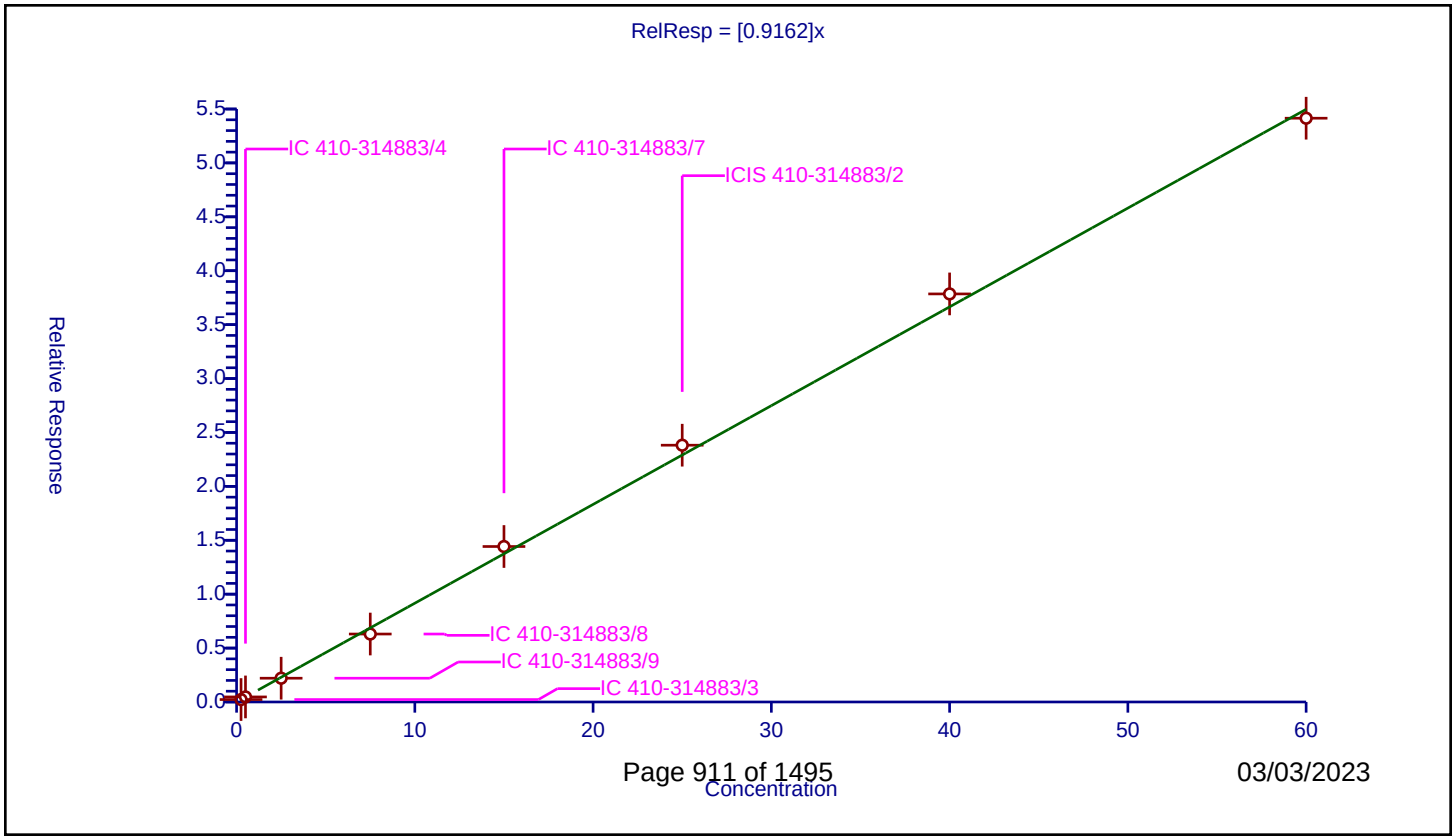
Curve Coefficients

Intercept:	0
Slope:	0.9162

Error Coefficients

Standard Error:	2970000
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 410-314883/3	0.25	0.226247	5.0	494593.0	0.904987	Y
2	IC 410-314883/4	0.5	0.469649	5.0	488822.0	0.939299	Y
3	IC 410-314883/9	2.5	2.205333	5.0	547831.0	0.882133	Y
4	IC 410-314883/8	7.5	6.303446	5.0	527682.0	0.840459	Y
5	IC 410-314883/7	15.0	14.420661	5.0	525478.0	0.961377	Y
6	ICIS 410-314883/2	25.0	23.81782	5.0	552251.0	0.952713	Y
7	IC 410-314883/6	40.0	37.848951	5.0	540018.0	0.946224	Y
8	IC 410-314883/5	60.0	54.145753	5.0	547880.0	0.902429	Y



Calibration / p-Dimethylamino azobenzene

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

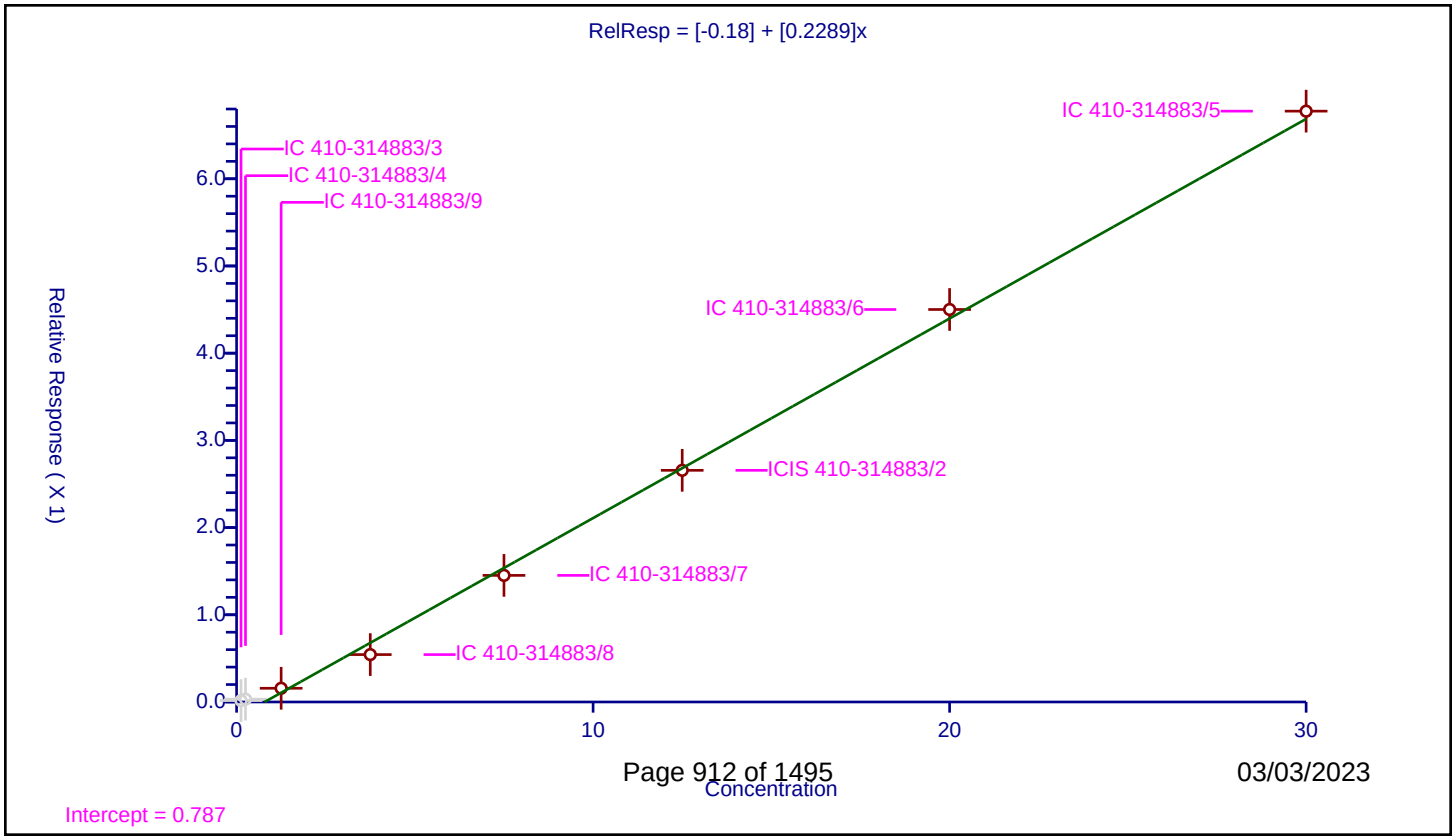
Curve Coefficients

Intercept:	-0.18
Slope:	0.2289

Error Coefficients

Standard Error:	474000
Relative Standard Error:	12.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.016145	5.0	494593.0	0.129157	N
2	IC 410-314883/4	0.25	0.032251	5.0	488822.0	0.129004	N
3	IC 410-314883/9	1.25	0.157357	5.0	547831.0	0.125886	Y
4	IC 410-314883/8	3.75	0.543519	5.0	527682.0	0.144938	Y
5	IC 410-314883/7	7.5	1.451859	5.0	525478.0	0.193581	Y
6	ICIS 410-314883/2	12.5	2.656564	5.0	552251.0	0.212525	Y
7	IC 410-314883/6	20.0	4.501091	5.0	540018.0	0.225055	Y
8	IC 410-314883/5	30.0	6.77538	5.0	547880.0	0.225846	Y



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Calibration / Chlorobenzilate

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

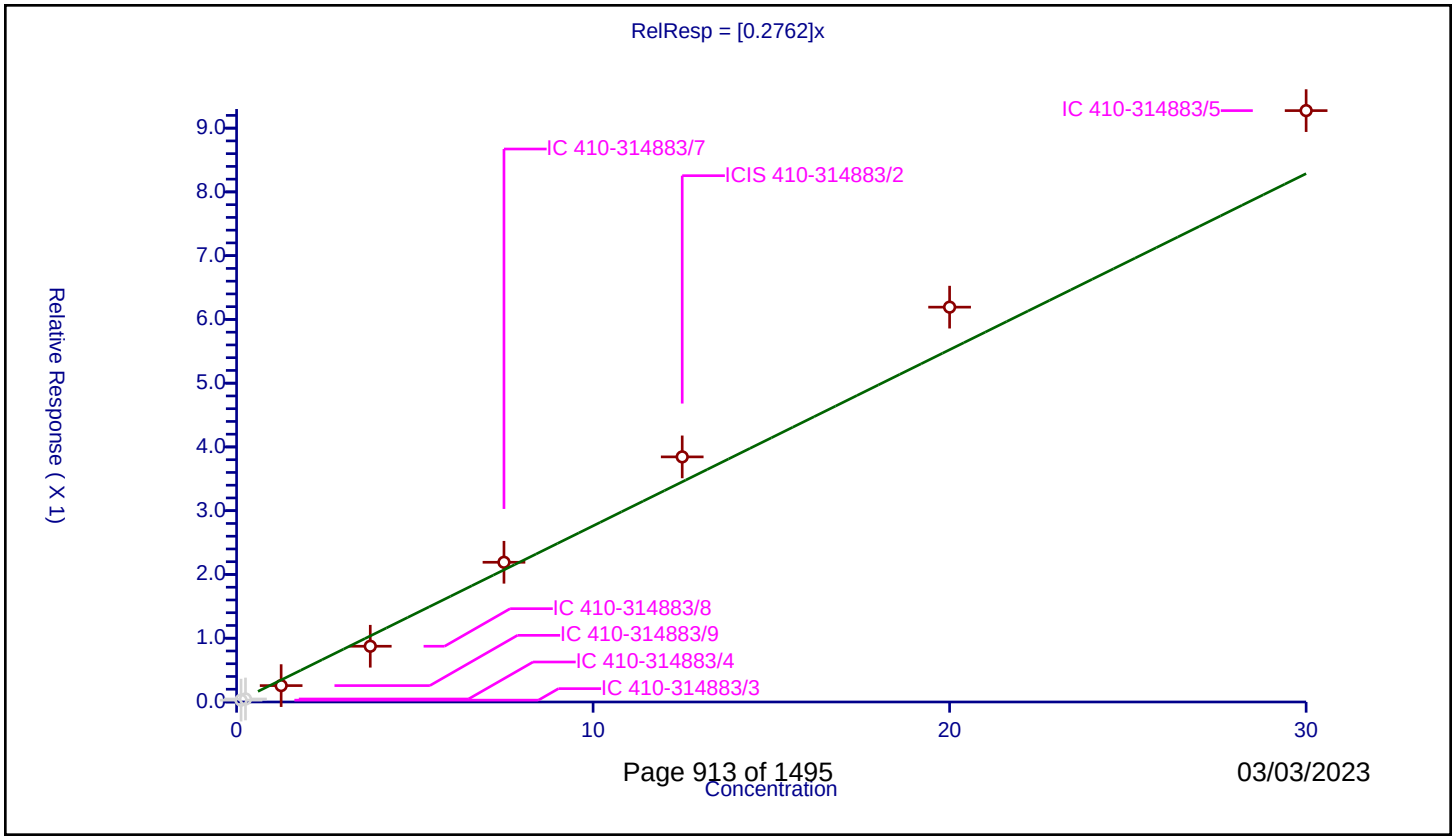
Curve Coefficients

Intercept:	0
Slope:	0.2762

Error Coefficients

Standard Error:	587000
Relative Standard Error:	16.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.029105	5.0	494593.0	0.232838	N
2	IC 410-314883/4	0.25	0.047113	5.0	488822.0	0.188453	N
3	IC 410-314883/9	1.25	0.257141	5.0	547831.0	0.205713	Y
4	IC 410-314883/8	3.75	0.874267	5.0	527682.0	0.233138	Y
5	IC 410-314883/7	7.5	2.191338	5.0	525478.0	0.292178	Y
6	ICIS 410-314883/2	12.5	3.844122	5.0	552251.0	0.30753	Y
7	IC 410-314883/6	20.0	6.192618	5.0	540018.0	0.309631	Y
8	IC 410-314883/5	30.0	9.275106	5.0	547880.0	0.30917	Y



Calibration / 3,3'-Dimethylbenzidine

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

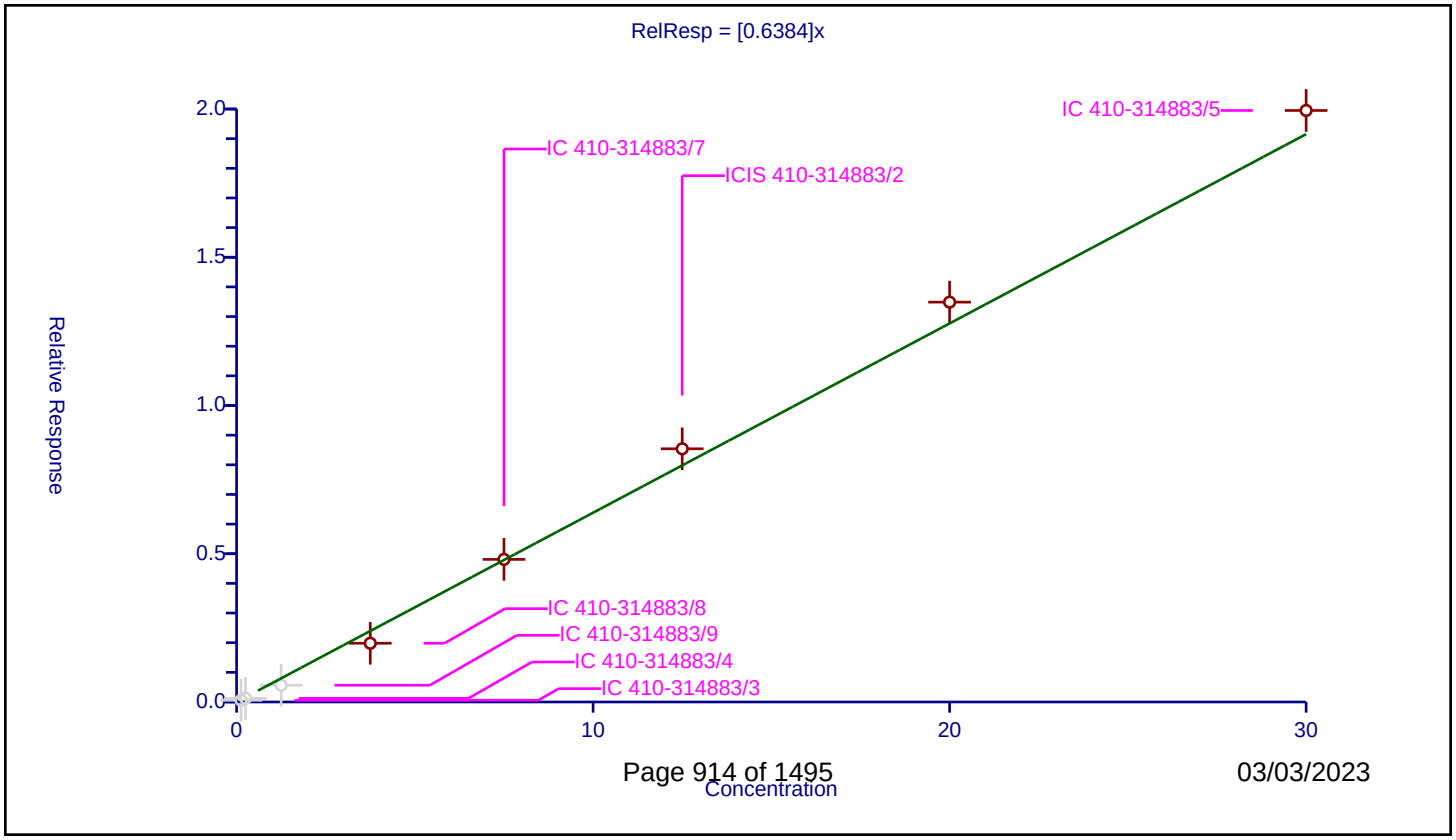
Curve Coefficients

Intercept:	0
Slope:	0.6384

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	10.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.059109	5.0	494593.0	0.472874	N
2	IC 410-314883/4	0.25	0.123501	5.0	488822.0	0.494004	N
3	IC 410-314883/9	1.25	0.565284	5.0	547831.0	0.452227	N
4	IC 410-314883/8	3.75	1.980682	5.0	527682.0	0.528182	Y
5	IC 410-314883/7	7.5	4.809583	5.0	525478.0	0.641278	Y
6	ICIS 410-314883/2	12.5	8.539405	5.0	552251.0	0.683152	Y
7	IC 410-314883/6	20.0	13.486458	5.0	540018.0	0.674323	Y
8	IC 410-314883/5	30.0	19.950938	5.0	547880.0	0.665031	Y



Calibration / Butyl benzyl phthalate

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

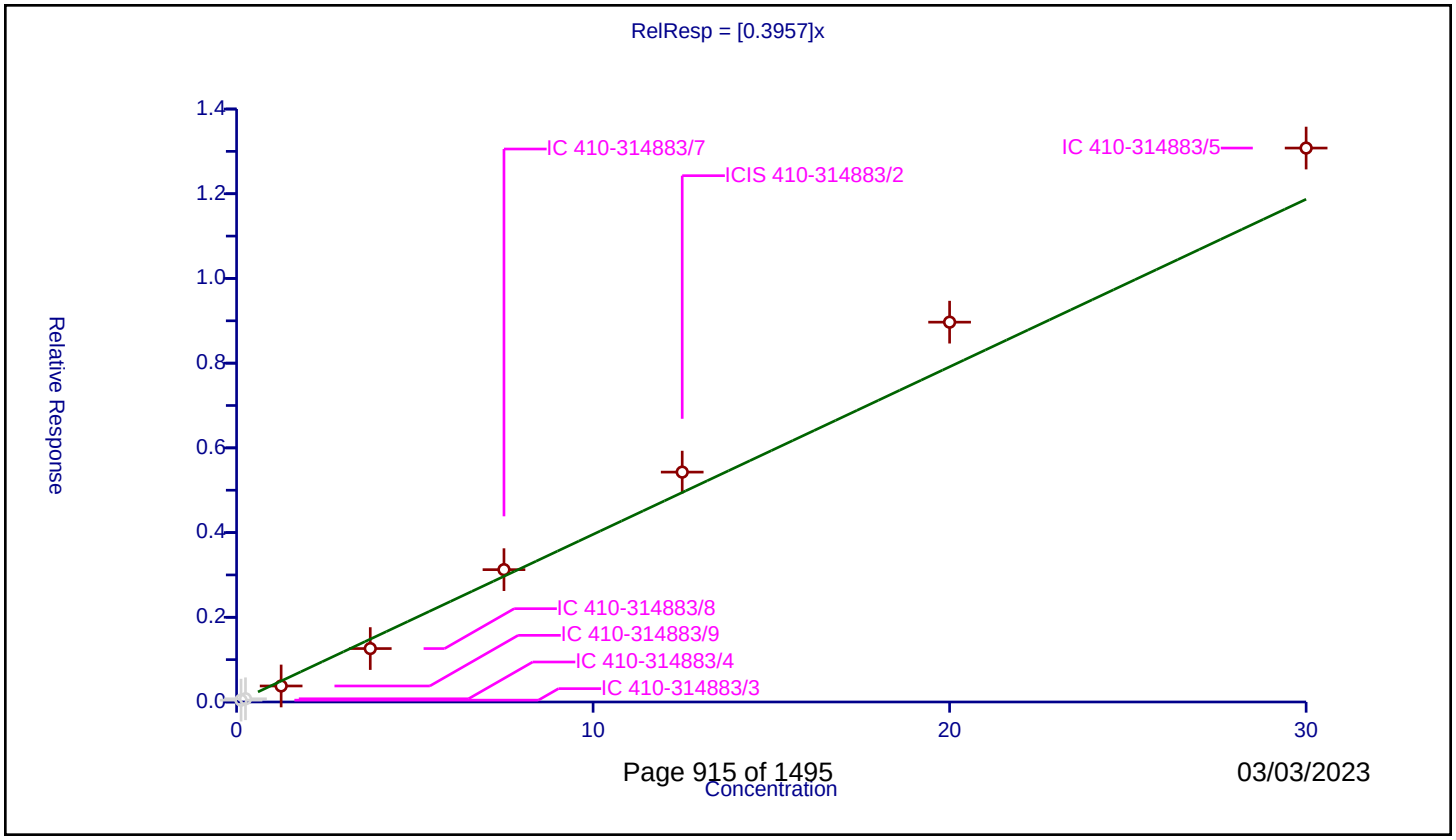
Curve Coefficients

Intercept:	0
Slope:	0.3957

Error Coefficients

Standard Error:	834000
Relative Standard Error:	15.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.043622	5.0	494593.0	0.348974	N
2	IC 410-314883/4	0.25	0.075774	5.0	488822.0	0.303096	N
3	IC 410-314883/9	1.25	0.378164	5.0	547831.0	0.302531	Y
4	IC 410-314883/8	3.75	1.261366	5.0	527682.0	0.336364	Y
5	IC 410-314883/7	7.5	3.124232	5.0	525478.0	0.416564	Y
6	ICIS 410-314883/2	12.5	5.427414	5.0	552251.0	0.434193	Y
7	IC 410-314883/6	20.0	8.967951	5.0	540018.0	0.448398	Y
8	IC 410-314883/5	30.0	13.078256	5.0	547880.0	0.435942	Y



03/03/2023

Calibration / 2-Acetylaminofluorene

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

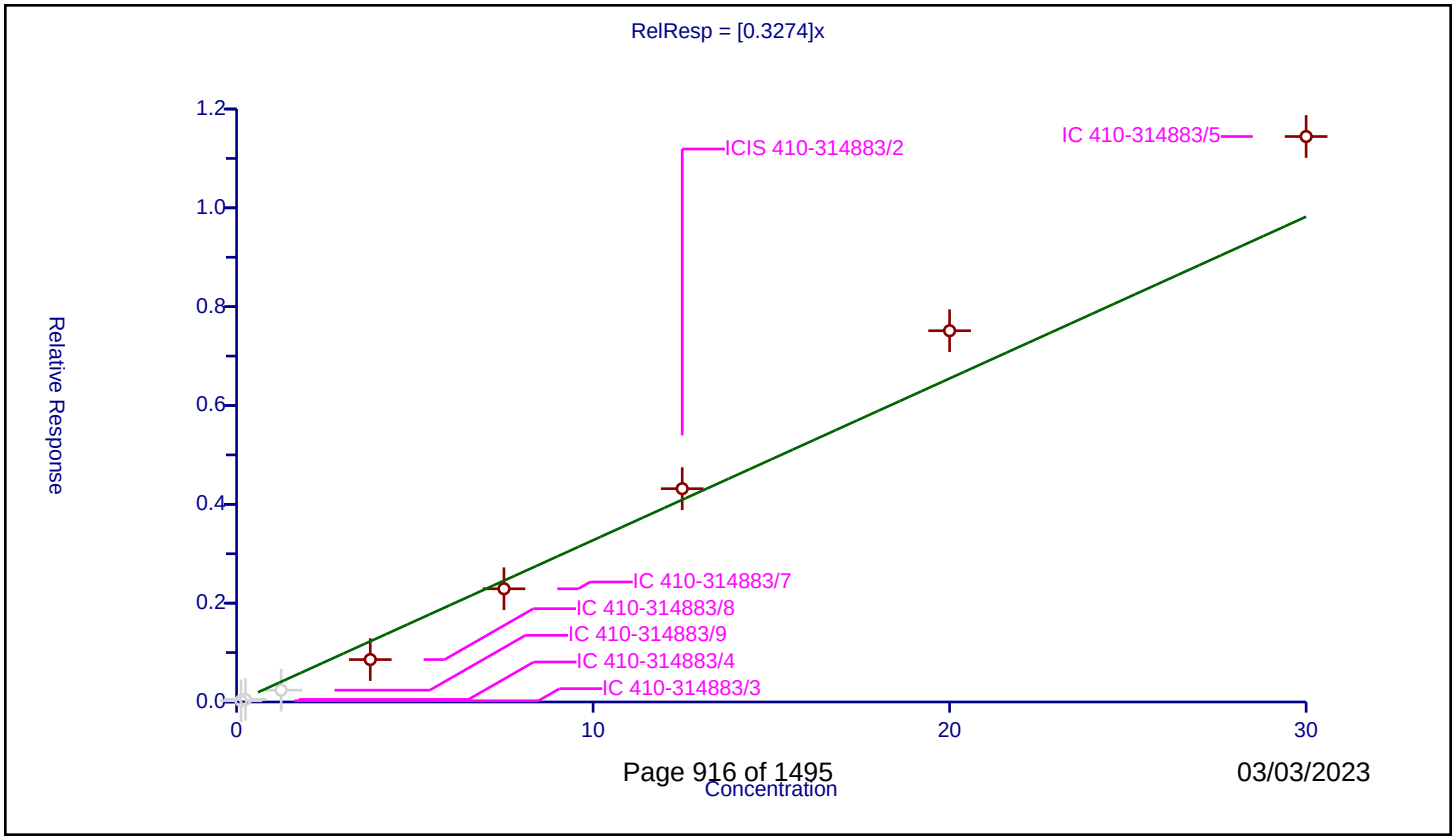
Curve Coefficients

Intercept:	0
Slope:	0.3274

Error Coefficients

Standard Error:	794000
Relative Standard Error:	19.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.946

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.02496	5.0	494593.0	0.199679	N
2	IC 410-314883/4	0.25	0.052033	5.0	488822.0	0.208133	N
3	IC 410-314883/9	1.25	0.23917	5.0	547831.0	0.191336	N
4	IC 410-314883/8	3.75	0.858263	5.0	527682.0	0.22887	Y
5	IC 410-314883/7	7.5	2.291219	5.0	525478.0	0.305496	Y
6	ICIS 410-314883/2	12.5	4.316488	5.0	552251.0	0.345319	Y
7	IC 410-314883/6	20.0	7.513092	5.0	540018.0	0.375655	Y
8	IC 410-314883/5	30.0	11.443792	5.0	547880.0	0.38146	Y



03/03/2023

Calibration / 3,3'-Dichlorobenzidine

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

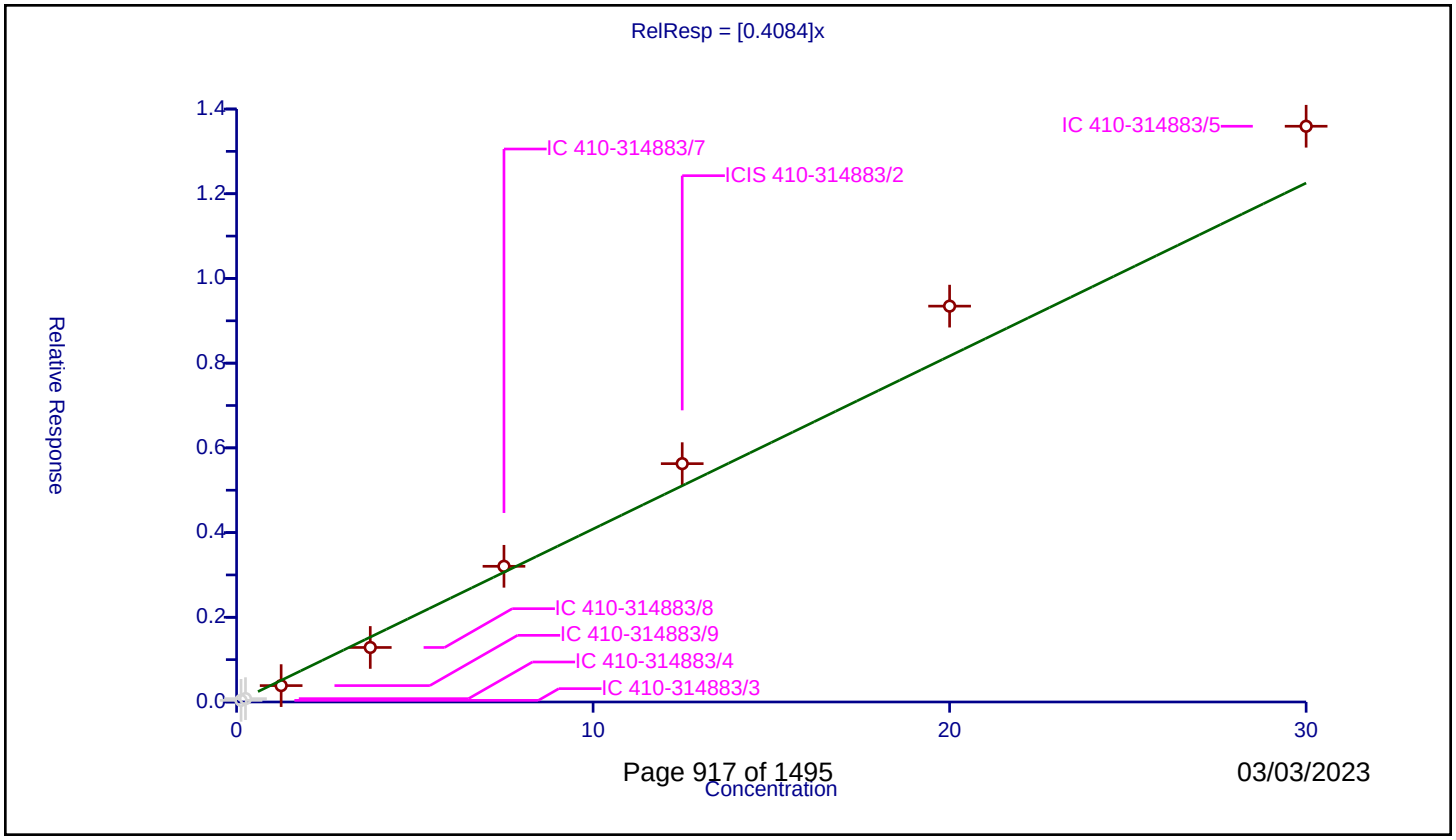
Curve Coefficients

Intercept:	0
Slope:	0.4084

Error Coefficients

Standard Error:	867000
Relative Standard Error:	16.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.038982	5.0	494593.0	0.311852	N
2	IC 410-314883/4	0.25	0.079211	5.0	488822.0	0.316843	N
3	IC 410-314883/9	1.25	0.386807	5.0	547831.0	0.309446	Y
4	IC 410-314883/8	3.75	1.28748	5.0	527682.0	0.343328	Y
5	IC 410-314883/7	7.5	3.203664	5.0	525478.0	0.427155	Y
6	ICIS 410-314883/2	12.5	5.626998	5.0	552251.0	0.45016	Y
7	IC 410-314883/6	20.0	9.3463	5.0	540018.0	0.467315	Y
8	IC 410-314883/5	30.0	13.593168	5.0	547880.0	0.453106	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

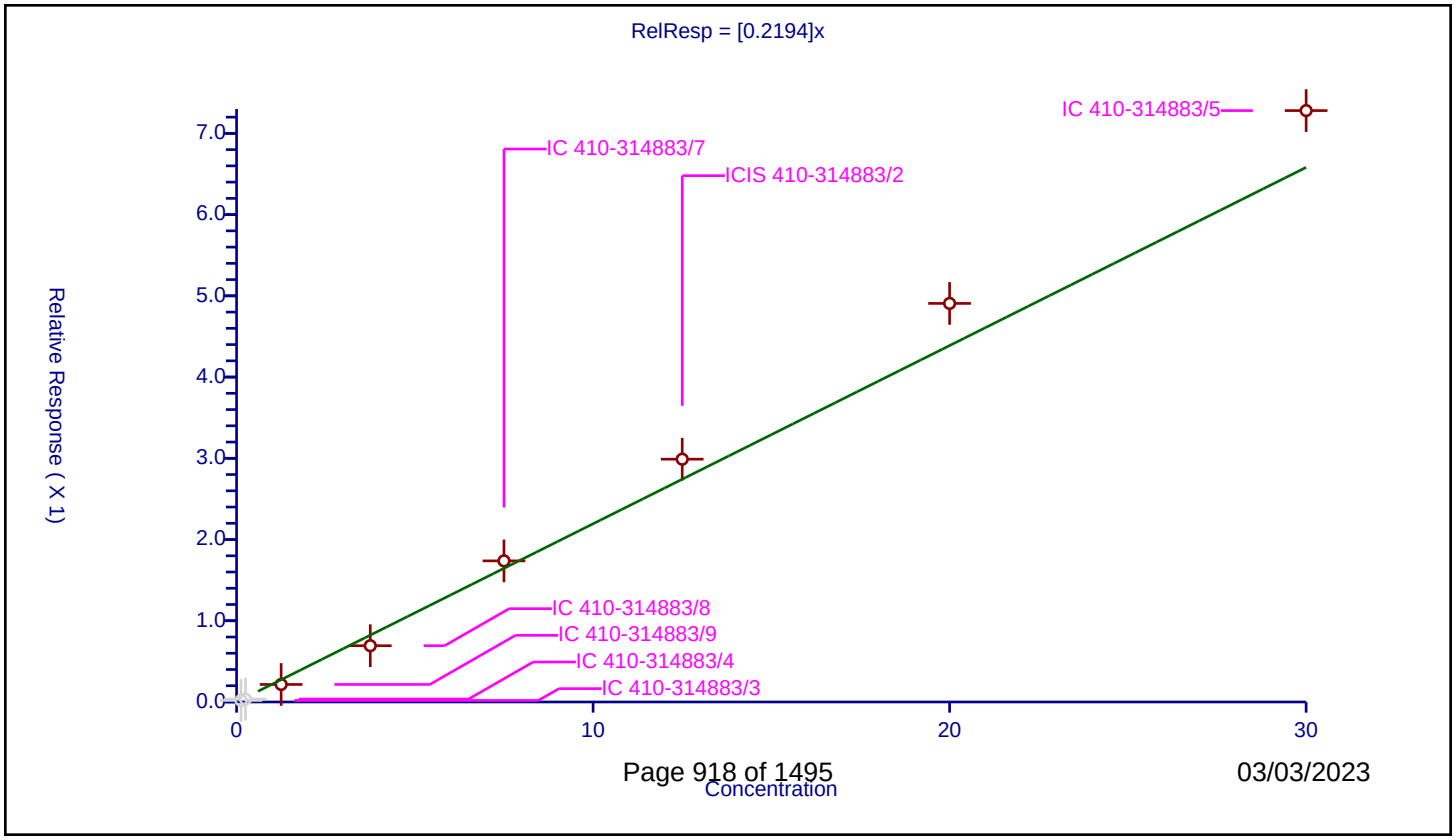
Curve Coefficients

Intercept:	0
Slope:	0.2194

Error Coefficients

Standard Error:	462000
Relative Standard Error:	14.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.019238	5.0	494593.0	0.153904	N
2	IC 410-314883/4	0.25	0.035811	5.0	488822.0	0.143242	N
3	IC 410-314883/9	1.25	0.215979	5.0	547831.0	0.172783	Y
4	IC 410-314883/8	3.75	0.692984	5.0	527682.0	0.184796	Y
5	IC 410-314883/7	7.5	1.737085	5.0	525478.0	0.231611	Y
6	ICIS 410-314883/2	12.5	2.989157	5.0	552251.0	0.239133	Y
7	IC 410-314883/6	20.0	4.906892	5.0	540018.0	0.245345	Y
8	IC 410-314883/5	30.0	7.280554	5.0	547880.0	0.242685	Y



Calibration / Benzo[a]anthracene

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

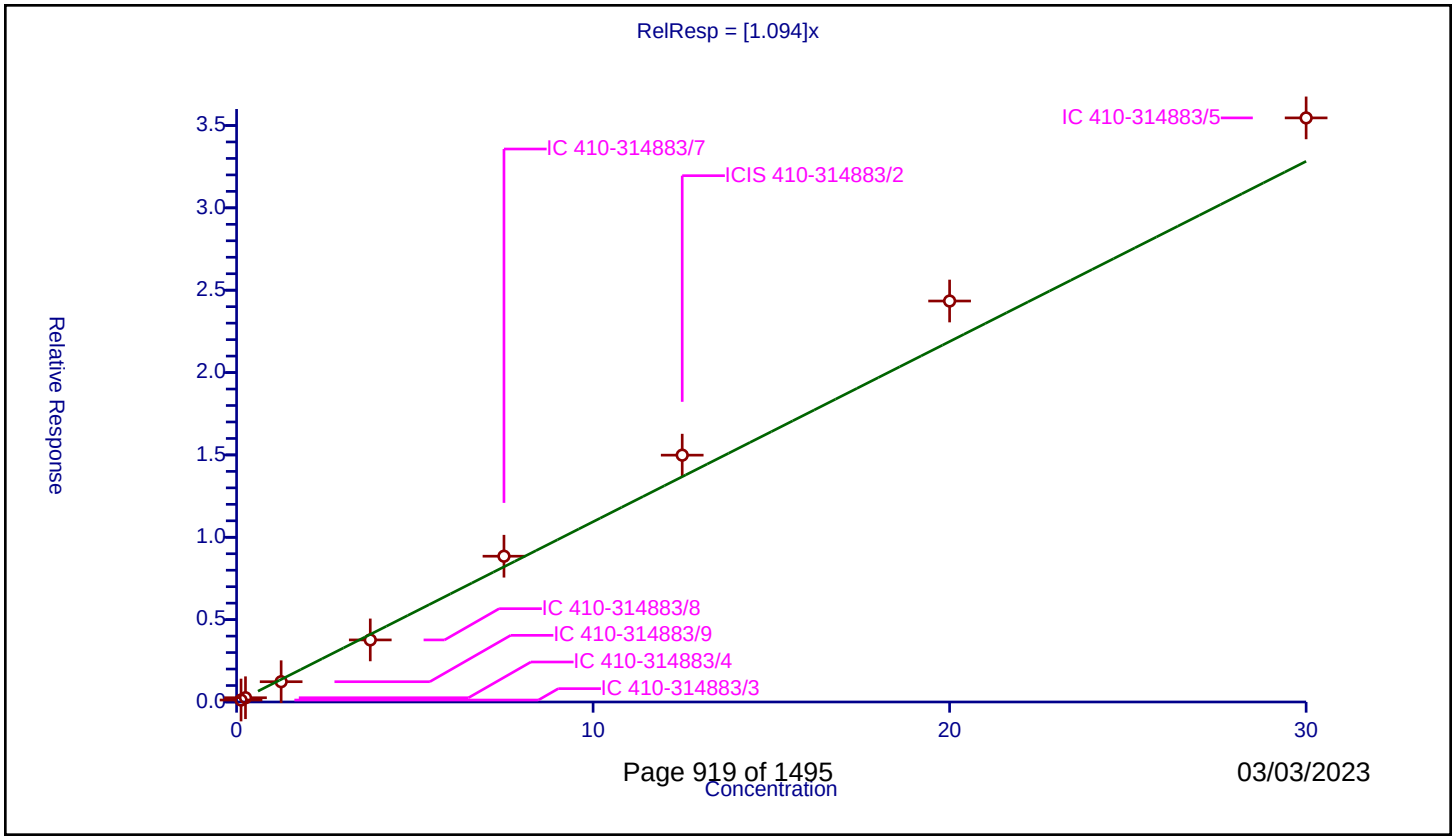
Curve Coefficients

Intercept:	0
Slope:	1.094

Error Coefficients

Standard Error:	1920000
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 410-314883/3	0.125	0.11931	5.0	494593.0	0.954482	Y
2	IC 410-314883/4	0.25	0.257732	5.0	488822.0	1.030927	Y
3	IC 410-314883/9	1.25	1.231584	5.0	547831.0	0.985267	Y
4	IC 410-314883/8	3.75	3.76743	5.0	527682.0	1.004648	Y
5	IC 410-314883/7	7.5	8.849638	5.0	525478.0	1.179952	Y
6	ICIS 410-314883/2	12.5	14.985541	5.0	552251.0	1.198843	Y
7	IC 410-314883/6	20.0	24.342818	5.0	540018.0	1.217141	Y
8	IC 410-314883/5	30.0	35.460064	5.0	547880.0	1.182002	Y



Calibration / Chrysene

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

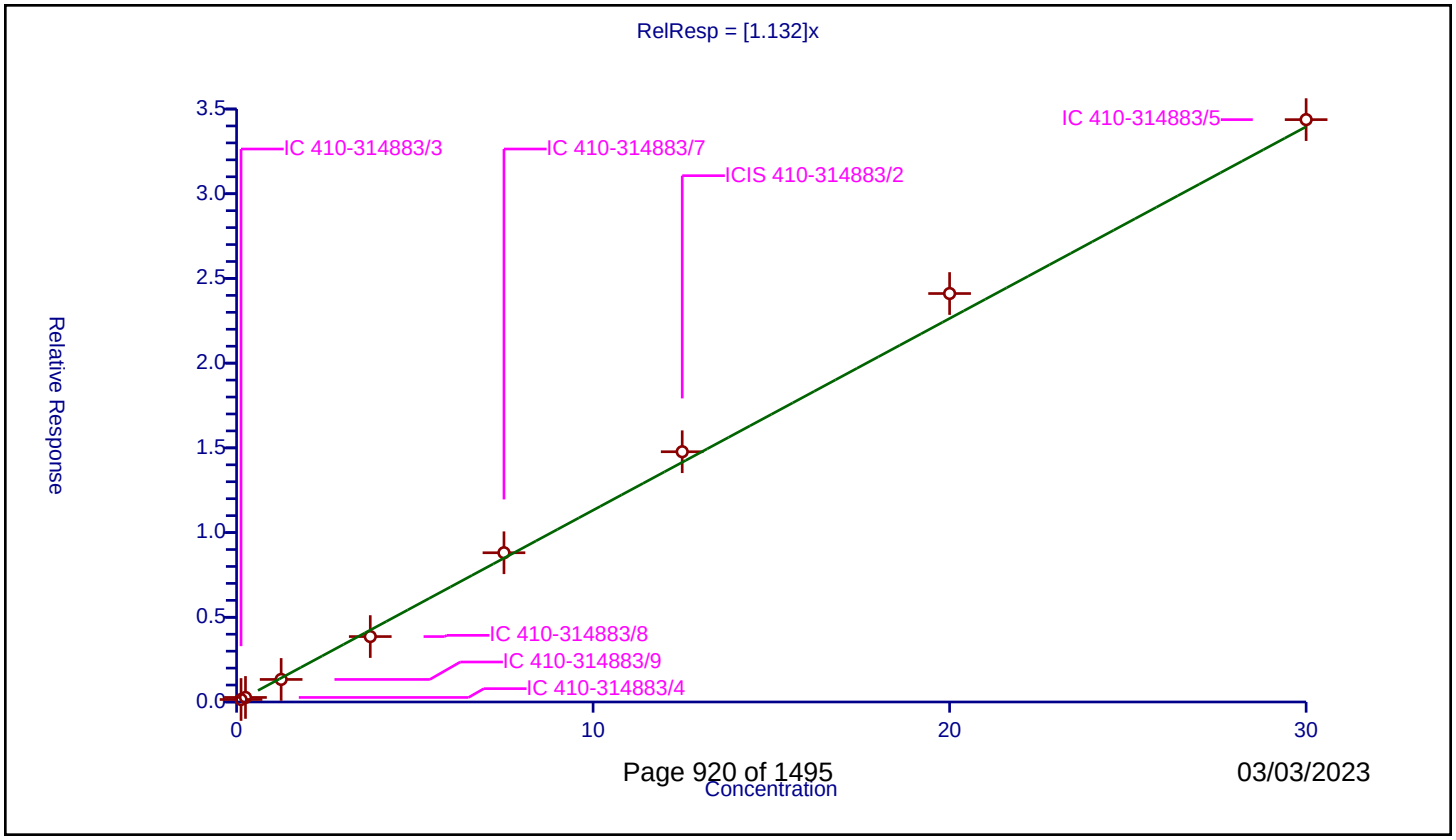
Curve Coefficients

Intercept:	0
Slope:	1.132

Error Coefficients

Standard Error:	1880000
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 410-314883/3	0.125	0.147475	5.0	494593.0	1.179798	Y
2	IC 410-314883/4	0.25	0.268093	5.0	488822.0	1.072374	Y
3	IC 410-314883/9	1.25	1.331423	5.0	547831.0	1.065139	Y
4	IC 410-314883/8	3.75	3.862345	5.0	527682.0	1.029959	Y
5	IC 410-314883/7	7.5	8.808932	5.0	525478.0	1.174524	Y
6	ICIS 410-314883/2	12.5	14.771499	5.0	552251.0	1.18172	Y
7	IC 410-314883/6	20.0	24.109761	5.0	540018.0	1.205488	Y
8	IC 410-314883/5	30.0	34.37406	5.0	547880.0	1.145802	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

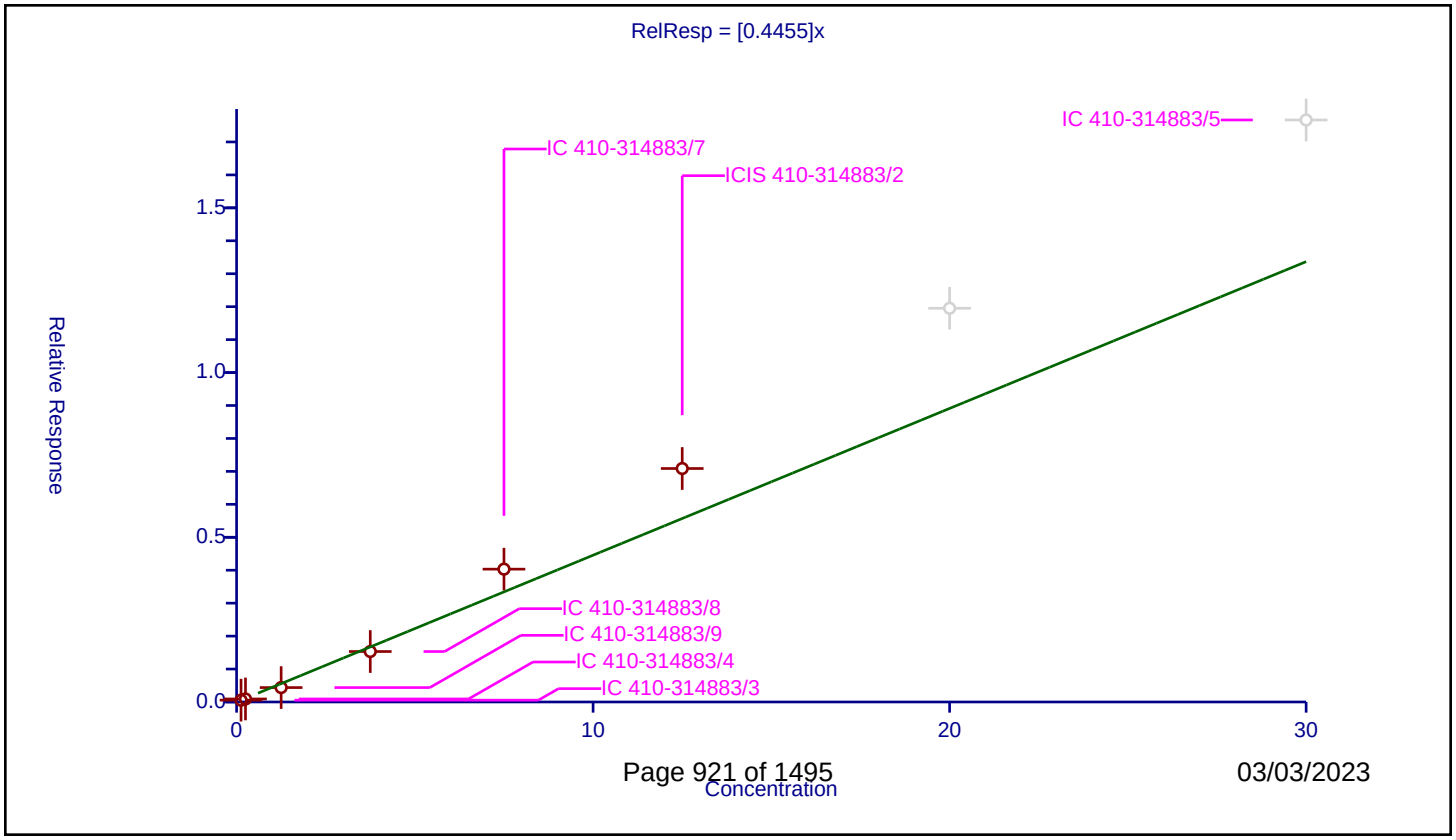
Curve Coefficients

Intercept:	0
Slope:	0.4455

Error Coefficients

Standard Error:	405000
Relative Standard Error:	20.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.953

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.055379	5.0	494593.0	0.443031	Y
2	IC 410-314883/4	0.25	0.091772	5.0	488822.0	0.367087	Y
3	IC 410-314883/9	1.25	0.437434	5.0	547831.0	0.349947	Y
4	IC 410-314883/8	3.75	1.532305	5.0	527682.0	0.408615	Y
5	IC 410-314883/7	7.5	4.032186	5.0	525478.0	0.537625	Y
6	ICIS 410-314883/2	12.5	7.086995	5.0	552251.0	0.56696	Y
7	IC 410-314883/6	20.0	11.951481	5.0	540018.0	0.597574	N
8	IC 410-314883/5	30.0	17.666934	5.0	547880.0	0.588898	N



Calibration / 6-Methylchrysene

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

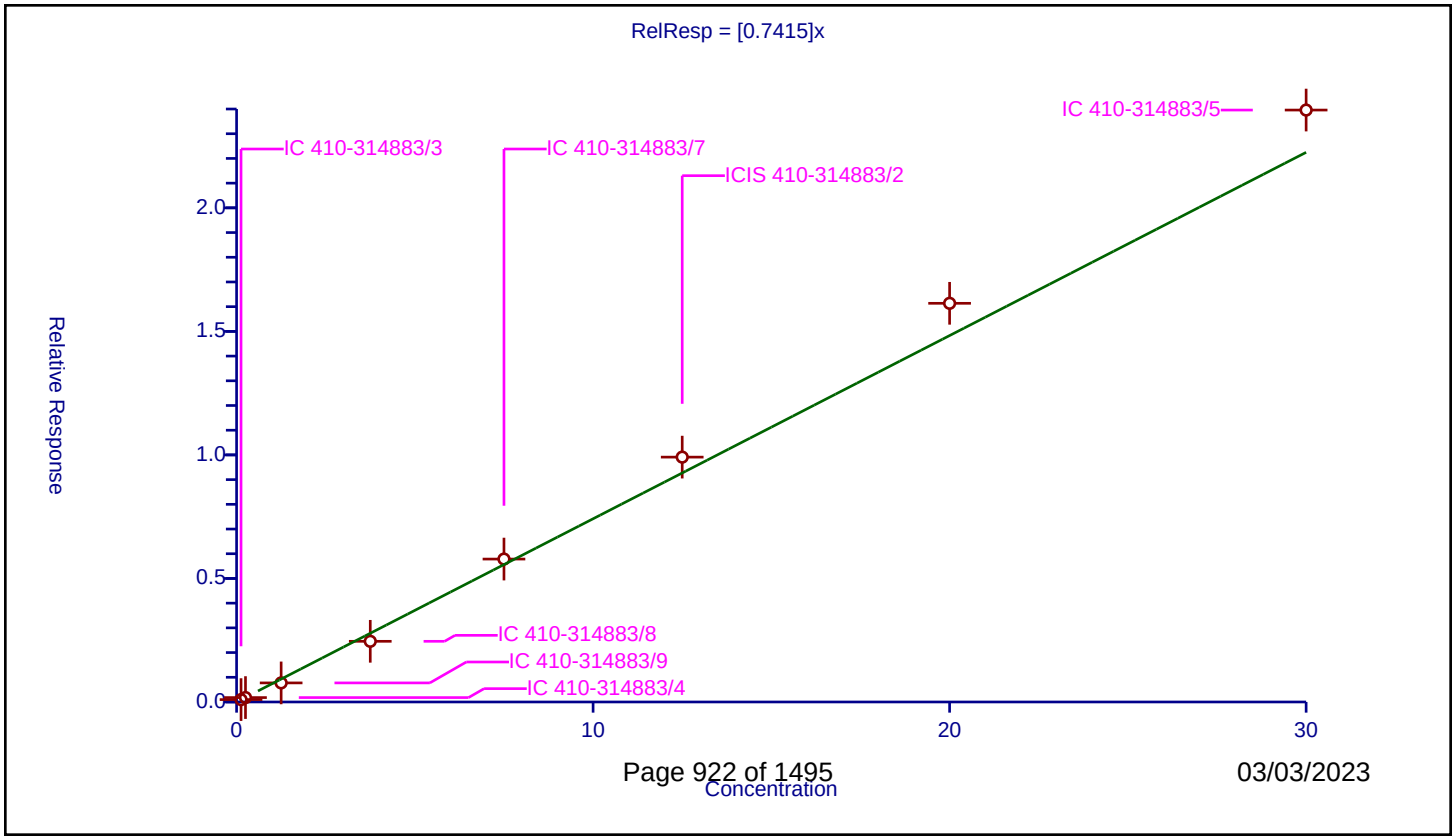
Curve Coefficients

Intercept:	0
Slope:	0.7415

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.096756	5.0	494593.0	0.774051	Y
2	IC 410-314883/4	0.25	0.179022	5.0	488822.0	0.716089	Y
3	IC 410-314883/9	1.25	0.772008	5.0	547831.0	0.617607	Y
4	IC 410-314883/8	3.75	2.456233	5.0	527682.0	0.654995	Y
5	IC 410-314883/7	7.5	5.784305	5.0	525478.0	0.771241	Y
6	ICIS 410-314883/2	12.5	9.910729	5.0	552251.0	0.792858	Y
7	IC 410-314883/6	20.0	16.136518	5.0	540018.0	0.806826	Y
8	IC 410-314883/5	30.0	23.957527	5.0	547880.0	0.798584	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

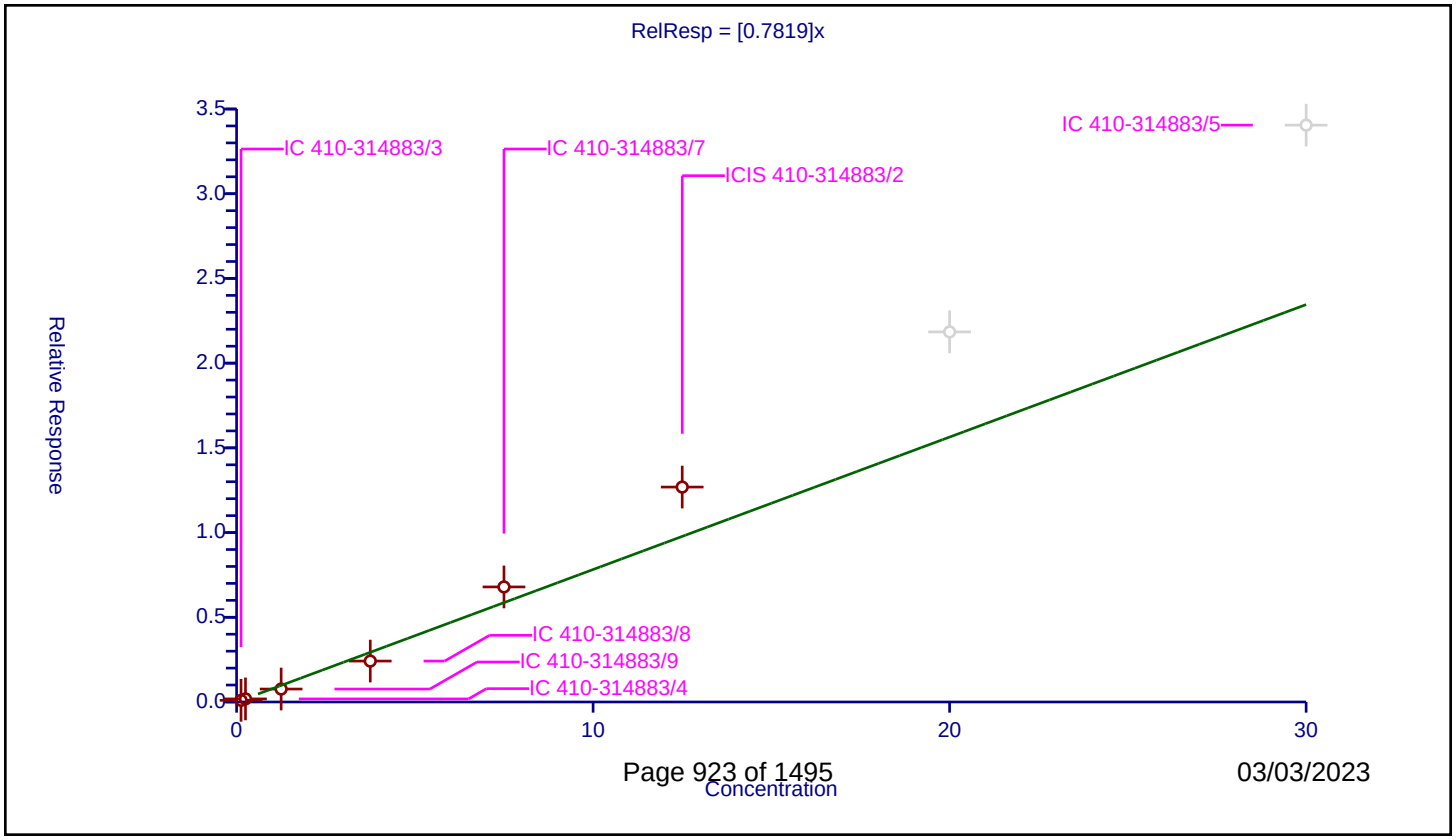
Curve Coefficients

Intercept:	0
Slope:	0.7819

Error Coefficients

Standard Error:	589000
Relative Standard Error:	19.9
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.098481	5.0	387942.0	0.78785	Y
2	IC 410-314883/4	0.25	0.181954	5.0	382075.0	0.727815	Y
3	IC 410-314883/9	1.25	0.764152	5.0	425596.0	0.611322	Y
4	IC 410-314883/8	3.75	2.415015	5.0	422190.0	0.644004	Y
5	IC 410-314883/7	7.5	6.791401	5.0	424369.0	0.90552	Y
6	ICIS 410-314883/2	12.5	12.685924	5.0	459248.0	1.014874	Y
7	IC 410-314883/6	20.0	21.84391	5.0	449748.0	1.092196	N
8	IC 410-314883/5	30.0	34.049835	5.0	445891.0	1.134995	N



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

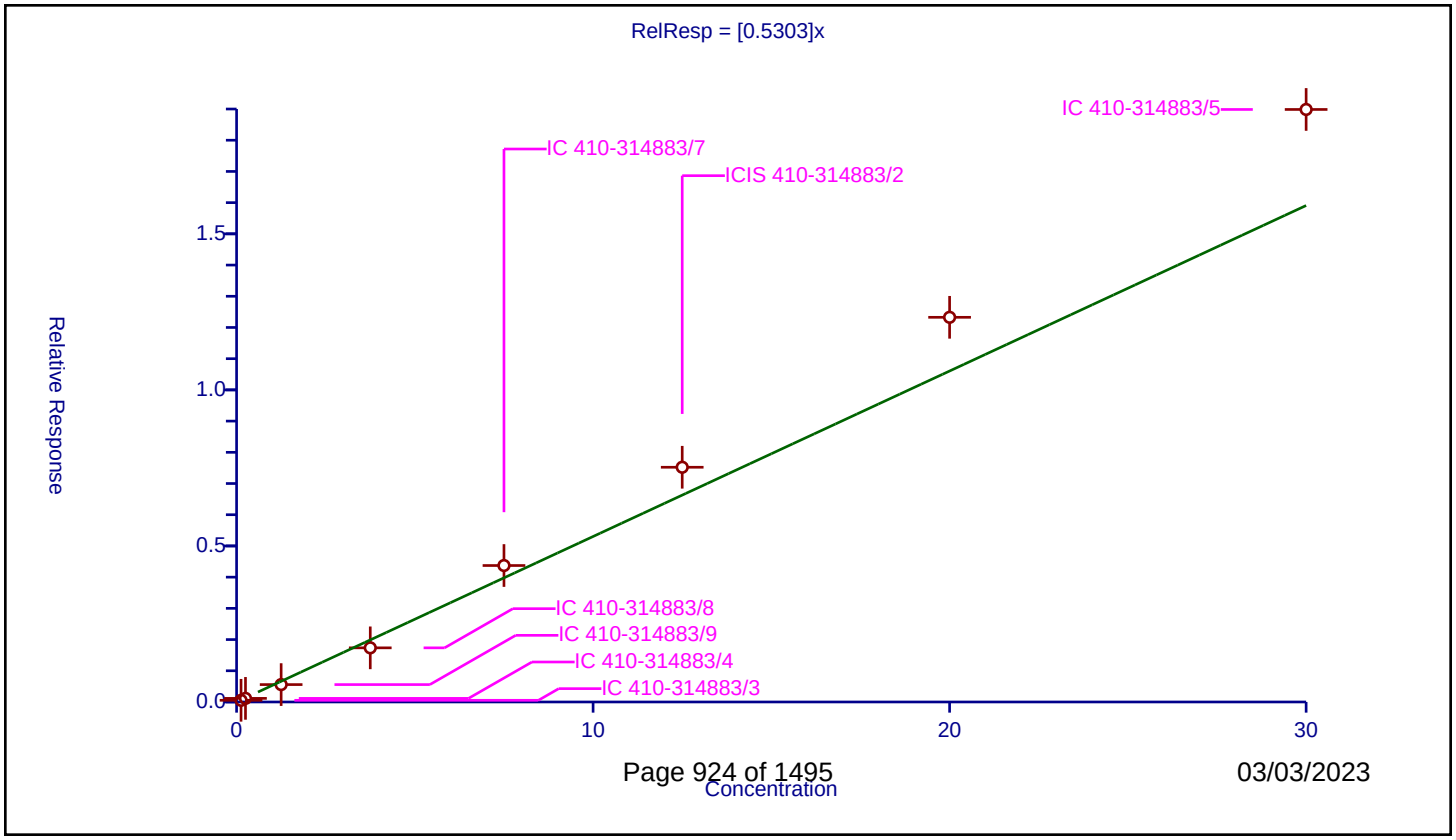
Curve Coefficients

Intercept:	0
Slope:	0.5303

Error Coefficients

Standard Error:	822000
Relative Standard Error:	16.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.054531	5.0	387942.0	0.436251	Y
2	IC 410-314883/4	0.25	0.115789	5.0	382075.0	0.463155	Y
3	IC 410-314883/9	1.25	0.557665	5.0	425596.0	0.446132	Y
4	IC 410-314883/8	3.75	1.735001	5.0	422190.0	0.462667	Y
5	IC 410-314883/7	7.5	4.372386	5.0	424369.0	0.582985	Y
6	ICIS 410-314883/2	12.5	7.521688	5.0	459248.0	0.601735	Y
7	IC 410-314883/6	20.0	12.326014	5.0	449748.0	0.616301	Y
8	IC 410-314883/5	30.0	18.985369	5.0	445891.0	0.632846	Y



Calibration / Benzo[b]fluoranthene

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

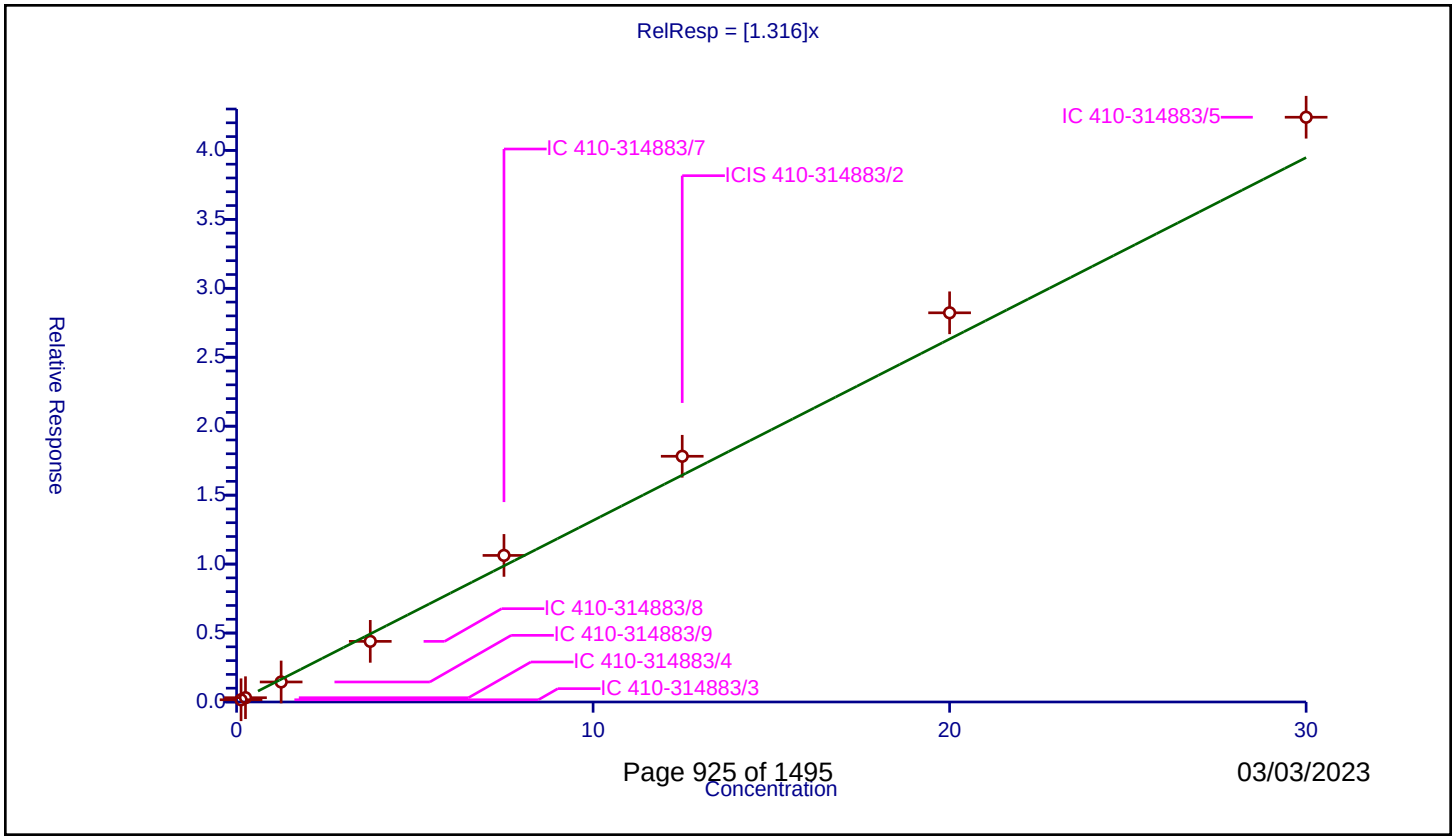
Curve Coefficients

Intercept:	0
Slope:	1.316

Error Coefficients

Standard Error:	1870000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.161107	5.0	387942.0	1.288852	Y
2	IC 410-314883/4	0.25	0.309651	5.0	382075.0	1.238605	Y
3	IC 410-314883/9	1.25	1.450484	5.0	425596.0	1.160387	Y
4	IC 410-314883/8	3.75	4.396587	5.0	422190.0	1.172423	Y
5	IC 410-314883/7	7.5	10.629122	5.0	424369.0	1.417216	Y
6	ICIS 410-314883/2	12.5	17.819141	5.0	459248.0	1.425531	Y
7	IC 410-314883/6	20.0	28.221971	5.0	449748.0	1.411099	Y
8	IC 410-314883/5	30.0	42.403547	5.0	445891.0	1.413452	Y



03/03/2023

Calibration / Benzo[k]fluoranthene

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

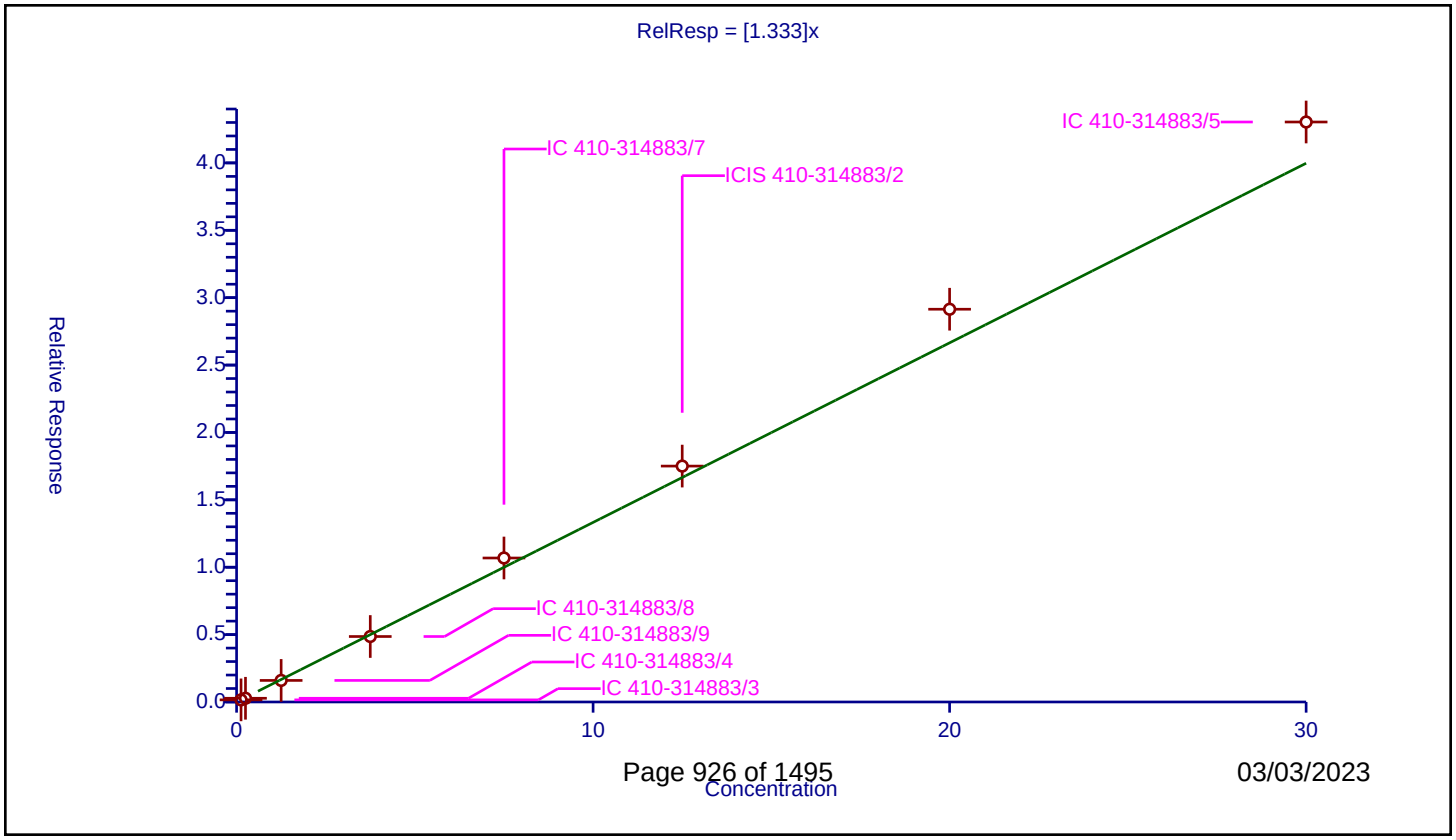
Curve Coefficients

Intercept:	0
Slope:	1.333

Error Coefficients

Standard Error:	1900000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.157472	5.0	387942.0	1.259776	Y
2	IC 410-314883/4	0.25	0.276948	5.0	382075.0	1.107793	Y
3	IC 410-314883/9	1.25	1.599815	5.0	425596.0	1.279852	Y
4	IC 410-314883/8	3.75	4.859554	5.0	422190.0	1.295881	Y
5	IC 410-314883/7	7.5	10.684982	5.0	424369.0	1.424664	Y
6	ICIS 410-314883/2	12.5	17.505683	5.0	459248.0	1.400455	Y
7	IC 410-314883/6	20.0	29.143053	5.0	449748.0	1.457153	Y
8	IC 410-314883/5	30.0	43.035708	5.0	445891.0	1.434524	Y



03/03/2023

Calibration / Benzo[a]pyrene

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

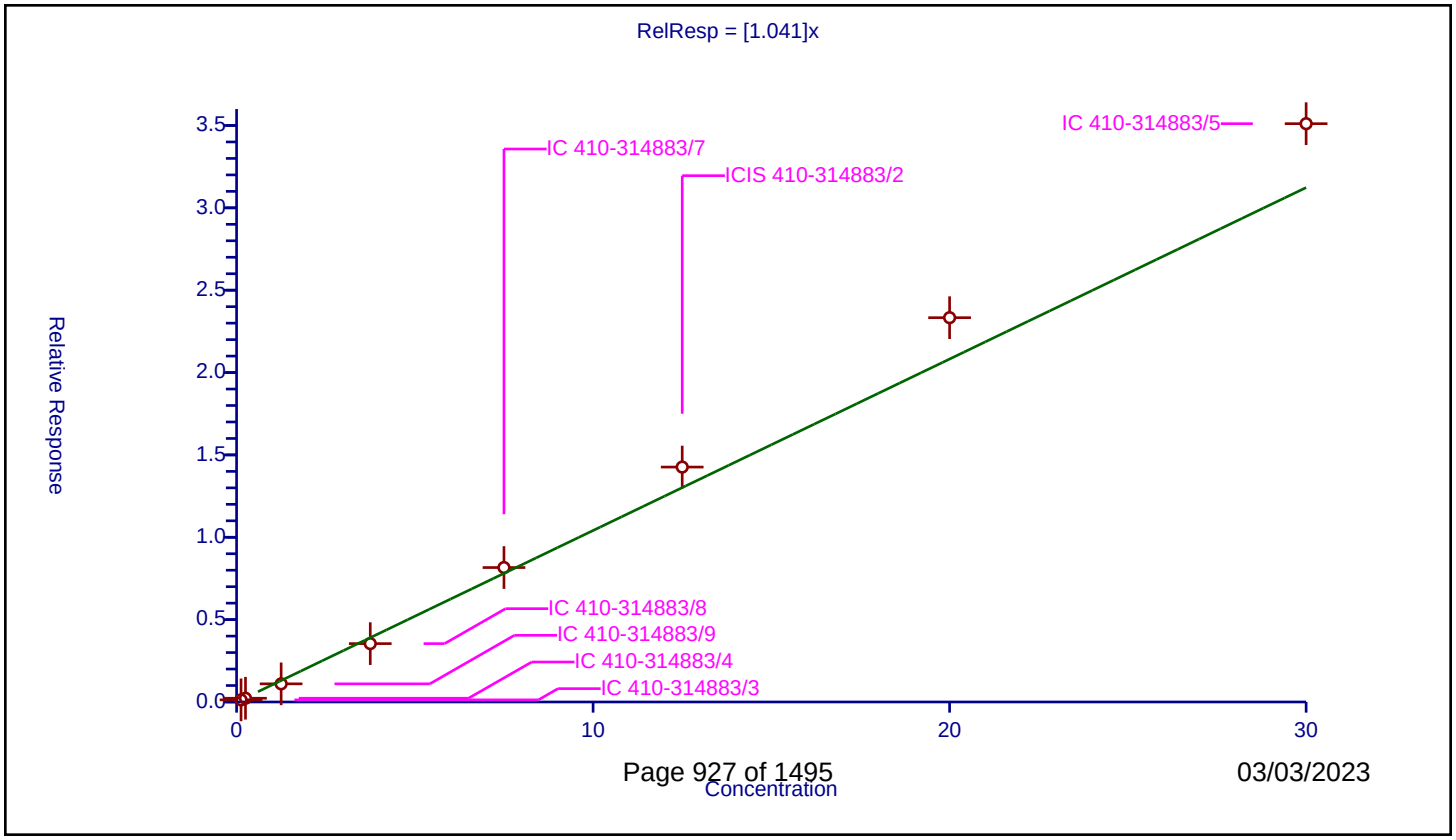
Curve Coefficients

Intercept:	0
Slope:	1.041

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	11.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.128602	5.0	387942.0	1.028814	Y
2	IC 410-314883/4	0.25	0.226657	5.0	382075.0	0.906628	Y
3	IC 410-314883/9	1.25	1.102336	5.0	425596.0	0.881869	Y
4	IC 410-314883/8	3.75	3.543322	5.0	422190.0	0.944886	Y
5	IC 410-314883/7	7.5	8.162036	5.0	424369.0	1.088271	Y
6	ICIS 410-314883/2	12.5	14.261445	5.0	459248.0	1.140916	Y
7	IC 410-314883/6	20.0	23.33091	5.0	449748.0	1.166545	Y
8	IC 410-314883/5	30.0	35.109948	5.0	445891.0	1.170332	Y



Calibration / 3-Methylcholanthrene

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

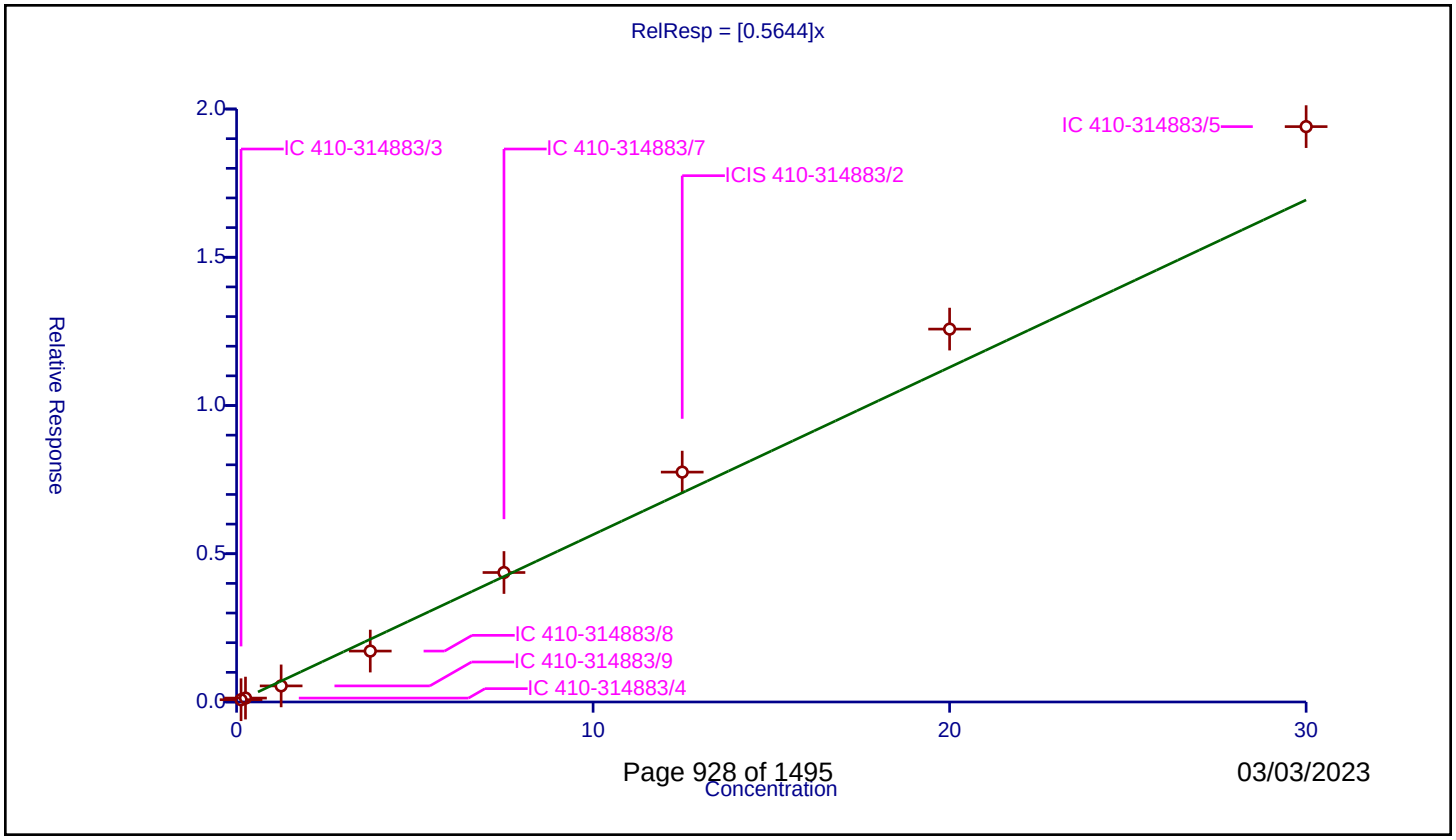
Curve Coefficients

Intercept:	0
Slope:	0.5644

Error Coefficients

Standard Error:	840000
Relative Standard Error:	14.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.077164	5.0	387942.0	0.617309	Y
2	IC 410-314883/4	0.25	0.131859	5.0	382075.0	0.527436	Y
3	IC 410-314883/9	1.25	0.543062	5.0	425596.0	0.43445	Y
4	IC 410-314883/8	3.75	1.717473	5.0	422190.0	0.457993	Y
5	IC 410-314883/7	7.5	4.367308	5.0	424369.0	0.582308	Y
6	ICIS 410-314883/2	12.5	7.753676	5.0	459248.0	0.620294	Y
7	IC 410-314883/6	20.0	12.576832	5.0	449748.0	0.628842	Y
8	IC 410-314883/5	30.0	19.406267	5.0	445891.0	0.646876	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

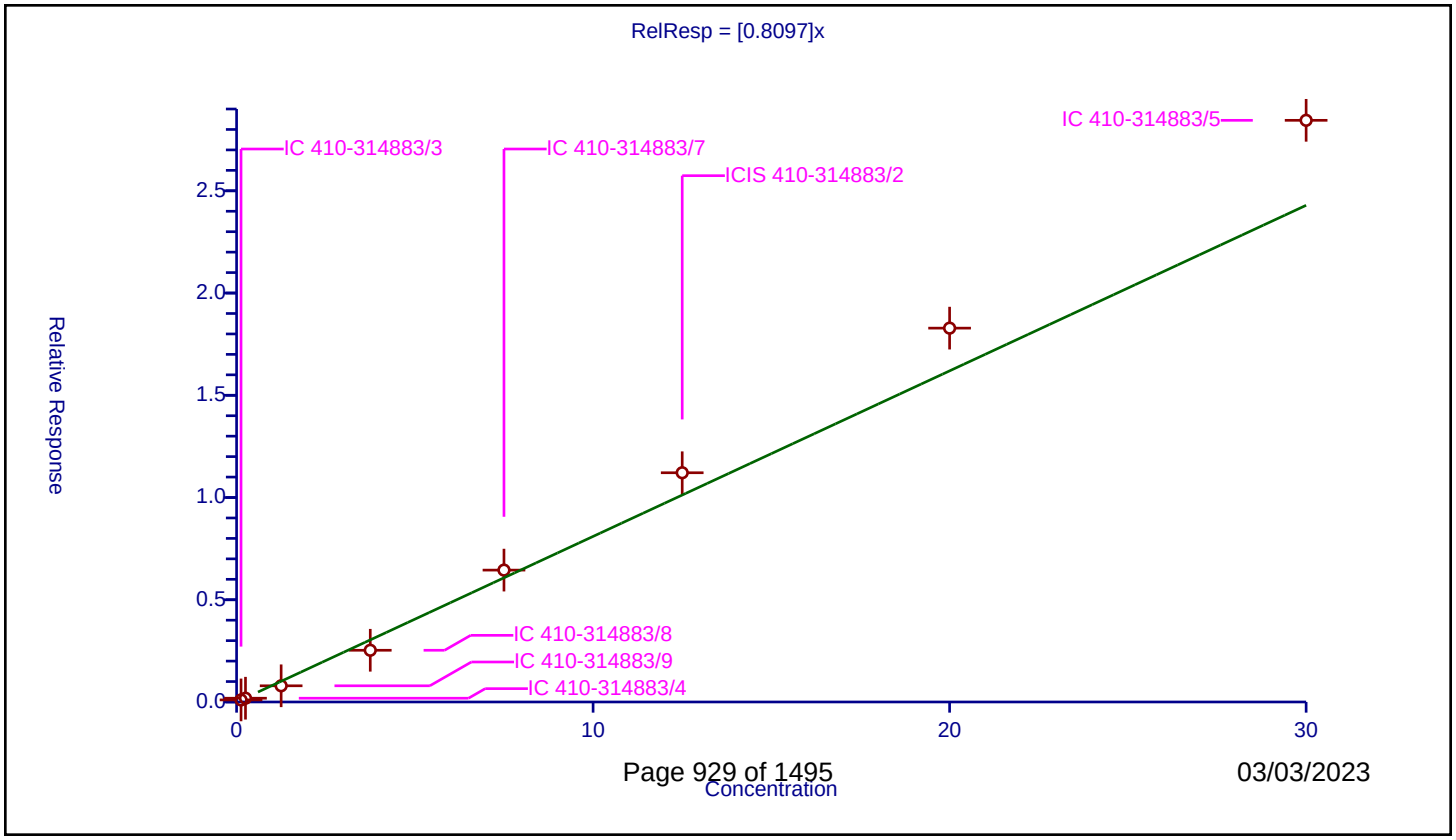
Curve Coefficients

Intercept:	0
Slope:	0.8097

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	14.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.101433	5.0	387942.0	0.811462	Y
2	IC 410-314883/4	0.25	0.184623	5.0	382075.0	0.738494	Y
3	IC 410-314883/9	1.25	0.791807	5.0	425596.0	0.633446	Y
4	IC 410-314883/8	3.75	2.529821	5.0	422190.0	0.674619	Y
5	IC 410-314883/7	7.5	6.450236	5.0	424369.0	0.860031	Y
6	ICIS 410-314883/2	12.5	11.210762	5.0	459248.0	0.896861	Y
7	IC 410-314883/6	20.0	18.284306	5.0	449748.0	0.914215	Y
8	IC 410-314883/5	30.0	28.447289	5.0	445891.0	0.948243	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

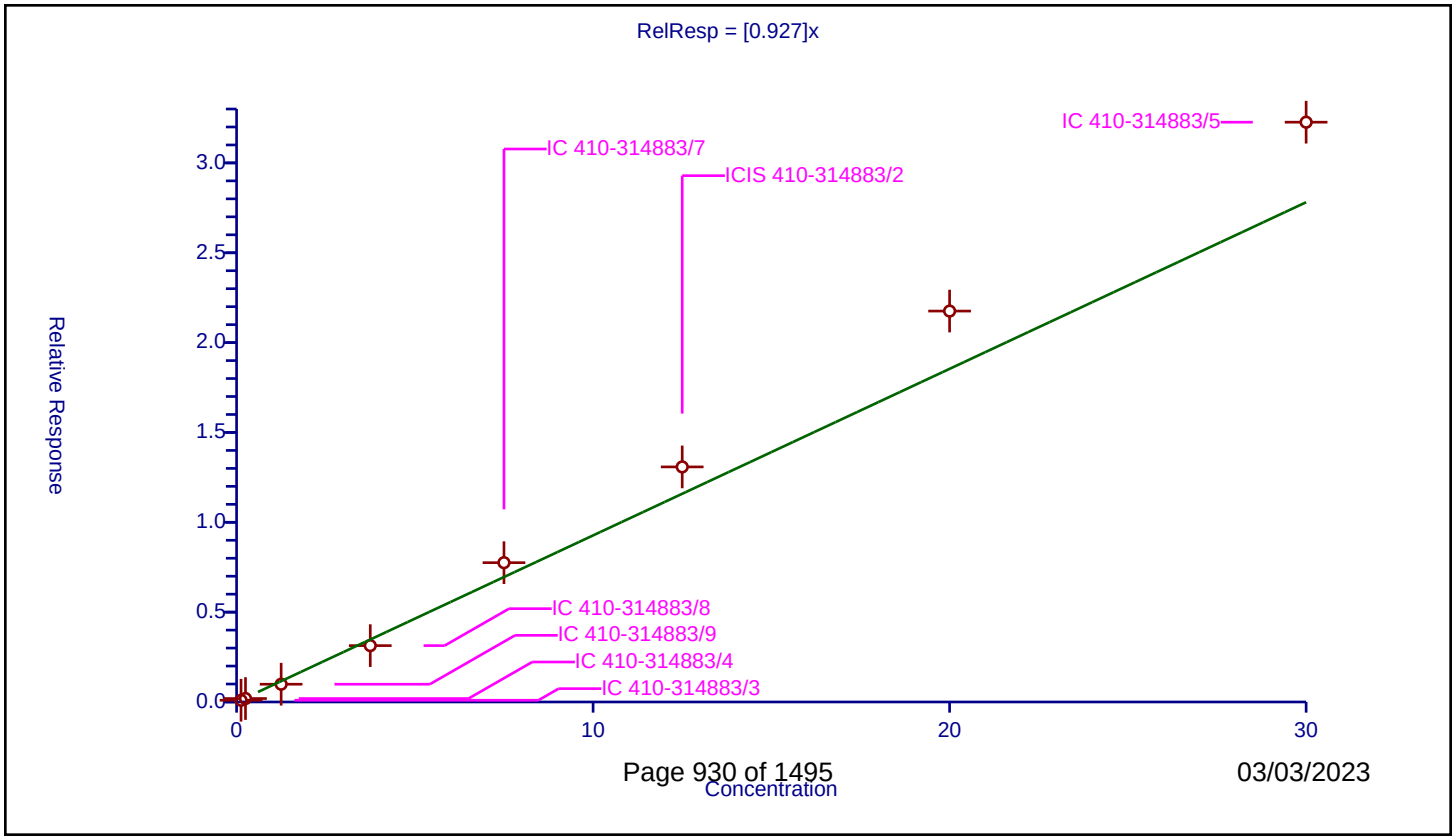
Curve Coefficients

Intercept:	0
Slope:	0.927

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	15.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.096664	5.0	387942.0	0.773311	Y
2	IC 410-314883/4	0.25	0.192802	5.0	382075.0	0.77121	Y
3	IC 410-314883/9	1.25	0.989225	5.0	425596.0	0.79138	Y
4	IC 410-314883/8	3.75	3.136751	5.0	422190.0	0.836467	Y
5	IC 410-314883/7	7.5	7.752887	5.0	424369.0	1.033718	Y
6	ICIS 410-314883/2	12.5	13.082126	5.0	459248.0	1.04657	Y
7	IC 410-314883/6	20.0	21.755016	5.0	449748.0	1.087751	Y
8	IC 410-314883/5	30.0	32.266451	5.0	445891.0	1.075548	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

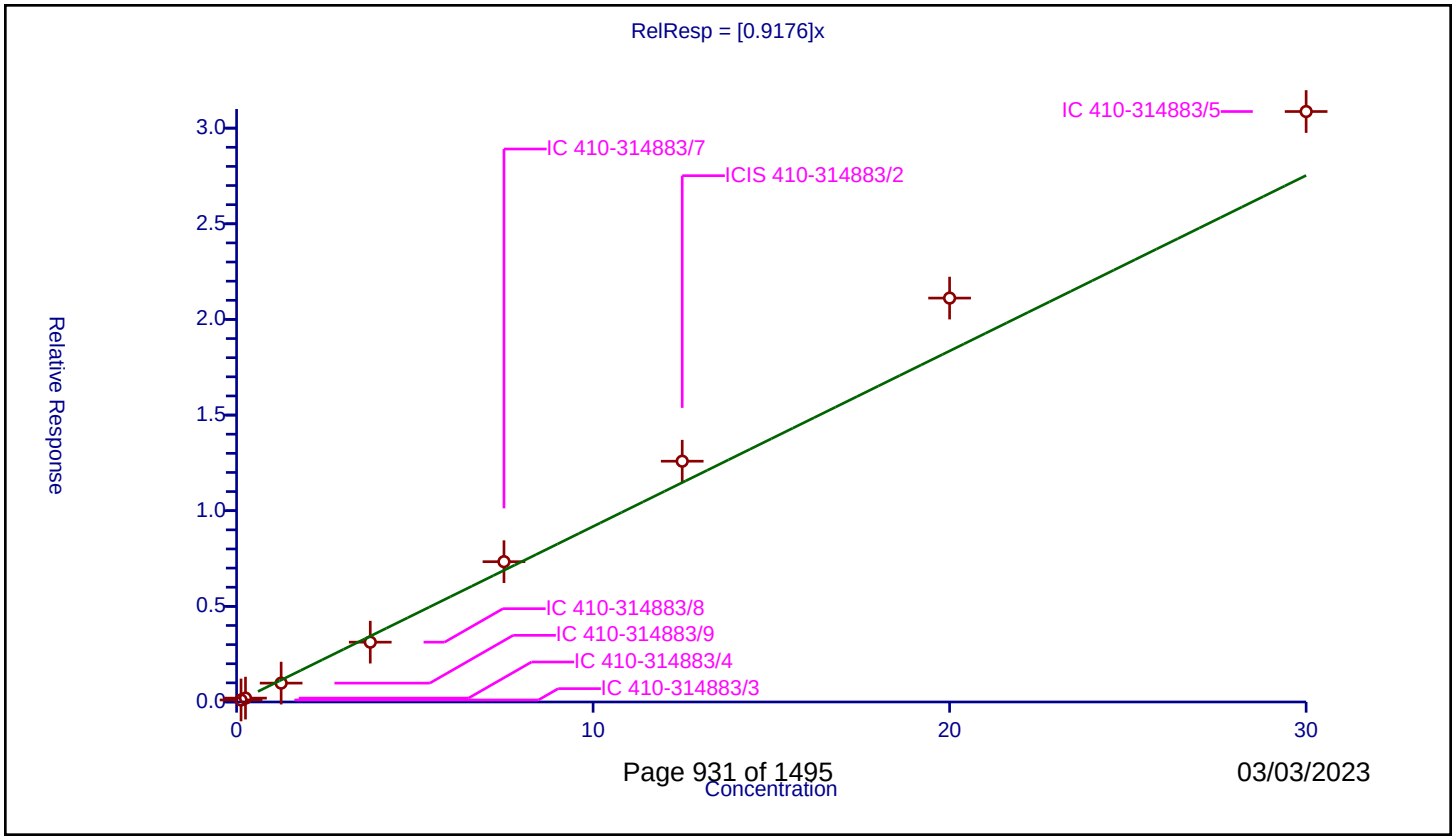
Curve Coefficients

Intercept:	0
Slope:	0.9176

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	12.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.104603	5.0	387942.0	0.836826	Y
2	IC 410-314883/4	0.25	0.202709	5.0	382075.0	0.810836	Y
3	IC 410-314883/9	1.25	0.986158	5.0	425596.0	0.788927	Y
4	IC 410-314883/8	3.75	3.128212	5.0	422190.0	0.83419	Y
5	IC 410-314883/7	7.5	7.335032	5.0	424369.0	0.978004	Y
6	ICIS 410-314883/2	12.5	12.588133	5.0	459248.0	1.007051	Y
7	IC 410-314883/6	20.0	21.115402	5.0	449748.0	1.05577	Y
8	IC 410-314883/5	30.0	30.868654	5.0	445891.0	1.028955	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

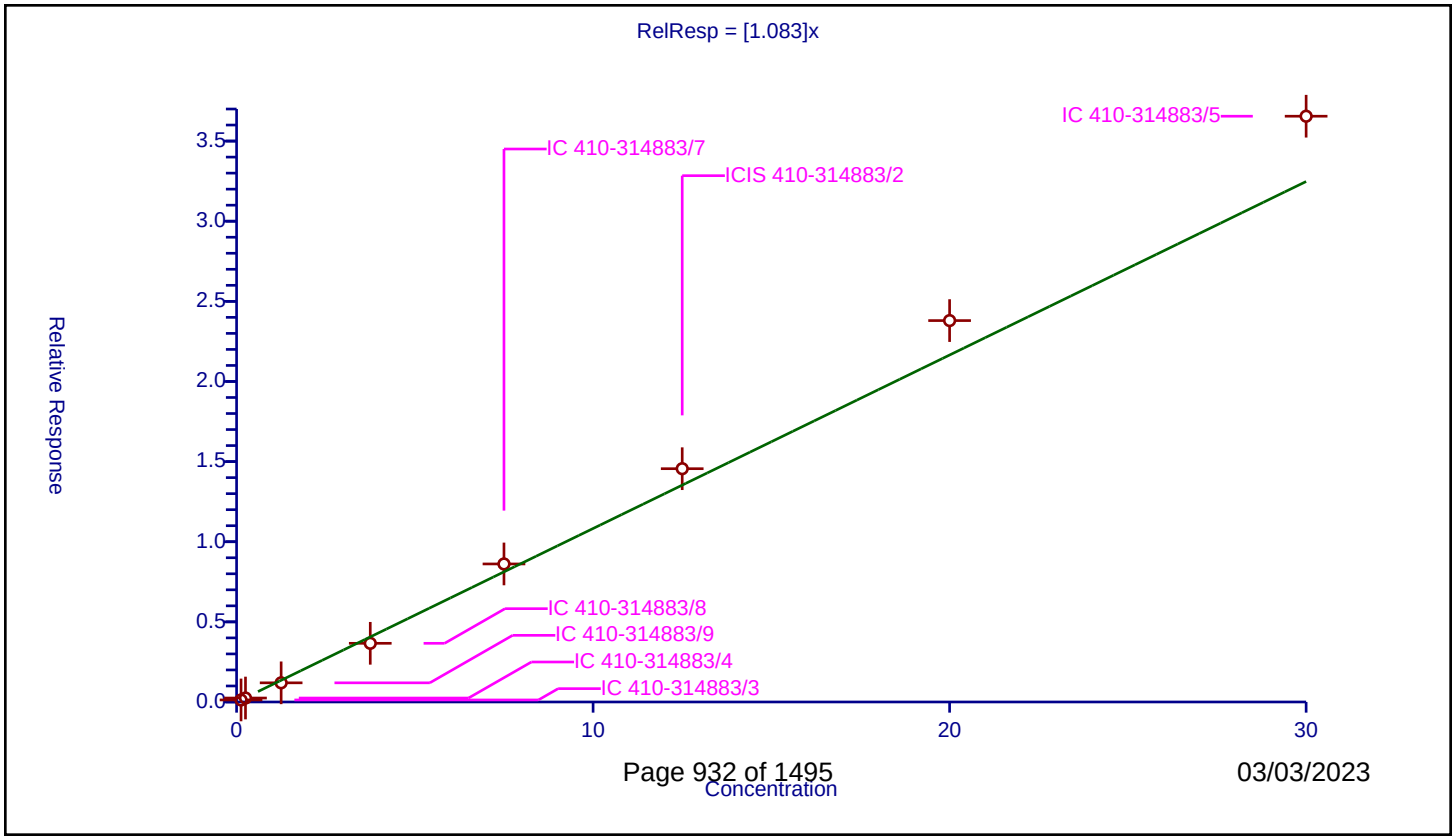
Curve Coefficients

Intercept:	0
Slope:	1.083

Error Coefficients

Standard Error:	1590000
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 410-314883/3	0.125	0.127455	5.0	387942.0	1.019637	Y
2	IC 410-314883/4	0.25	0.246496	5.0	382075.0	0.985984	Y
3	IC 410-314883/9	1.25	1.196228	5.0	425596.0	0.956983	Y
4	IC 410-314883/8	3.75	3.660946	5.0	422190.0	0.976252	Y
5	IC 410-314883/7	7.5	8.613306	5.0	424369.0	1.148441	Y
6	ICIS 410-314883/2	12.5	14.557091	5.0	459248.0	1.164567	Y
7	IC 410-314883/6	20.0	23.798972	5.0	449748.0	1.189949	Y
8	IC 410-314883/5	30.0	36.55011	5.0	445891.0	1.218337	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

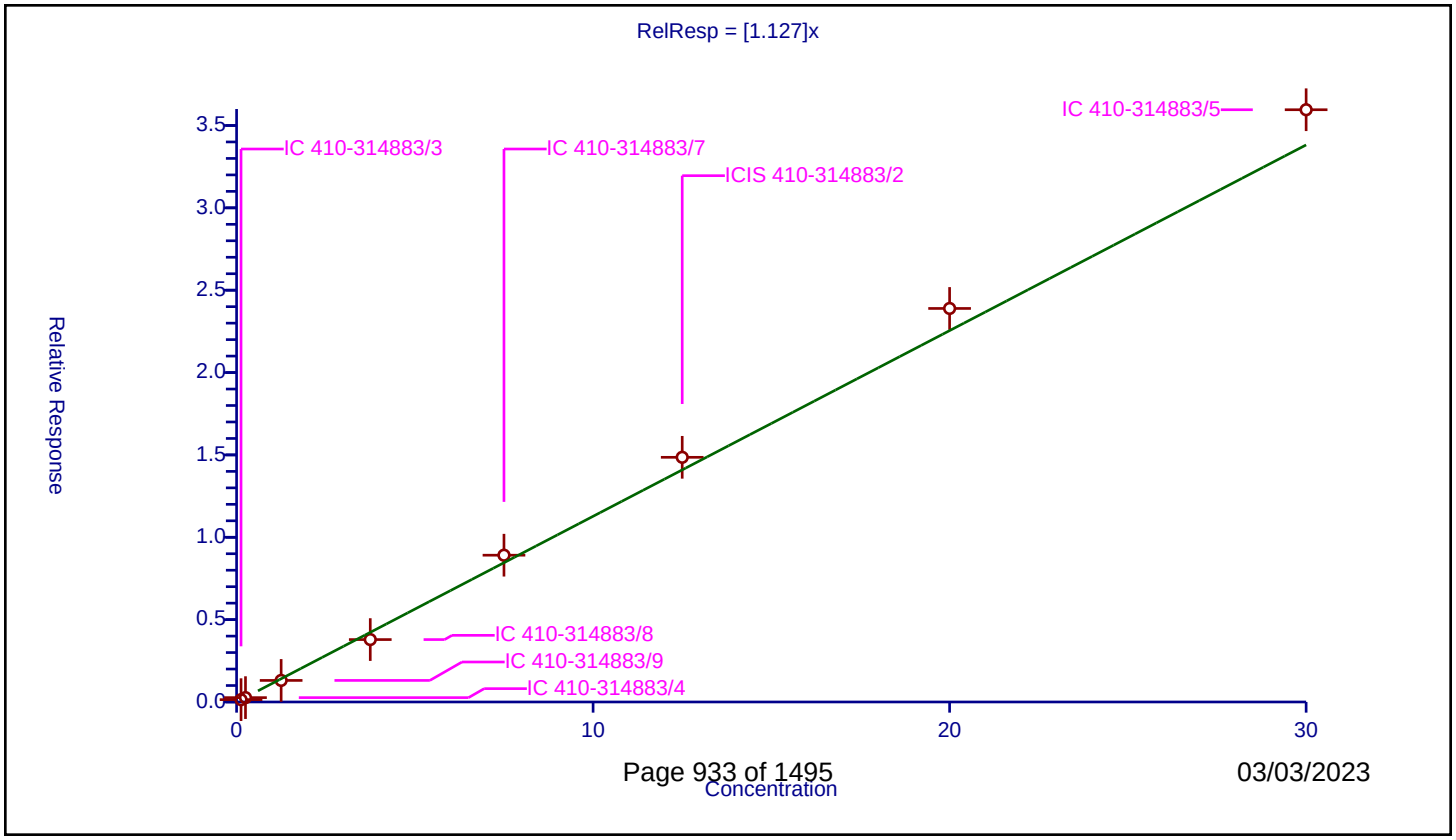
Curve Coefficients

Intercept:	0
Slope:	1.127

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-314883/3	0.125	0.141258	5.0	387942.0	1.130066	Y
2	IC 410-314883/4	0.25	0.265393	5.0	382075.0	1.061572	Y
3	IC 410-314883/9	1.25	1.308271	5.0	425596.0	1.046617	Y
4	IC 410-314883/8	3.75	3.789408	5.0	422190.0	1.010509	Y
5	IC 410-314883/7	7.5	8.912232	5.0	424369.0	1.188298	Y
6	ICIS 410-314883/2	12.5	14.854861	5.0	459248.0	1.188389	Y
7	IC 410-314883/6	20.0	23.892458	5.0	449748.0	1.194623	Y
8	IC 410-314883/5	30.0	35.955884	5.0	445891.0	1.198529	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-314883/12 Calibration Date: 11/07/2022 22:28

Instrument ID: HP19760 Calib Start Date: 04/21/2022 20:24

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/21/2022 22:09

Lab File ID: DK0711.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Ave	0.3635				12.5		30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0711.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 07-Nov-2022 22:28:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0070576-012
Operator ID: kel10217 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 08:52:42 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: W6XI Date: 08-Nov-2022 08:15:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.896	1.896	0.000	92	195800	12.5	13.0	
3 N-Nitrosodimethylamine	74	2.123	2.123	0.000	94	315709	12.5	12.0	
4 Pyridine	79	2.164	2.164	0.000	96	1008291	25.0	25.1	
6 2-Picoline	93	2.764	2.764	0.000	89	521487	12.5	13.1	
7 N-Nitrosomethylethylamine	88	2.846	2.846	0.000	93	219265	12.5	12.3	
8 Methyl methanesulfonate	80	3.114	3.114	0.000	86	306912	12.5	13.0	
11 N-Nitrosodiethylamine	102	3.493	3.493	0.000	95	207028	12.5	13.1	
12 Ethyl methanesulfonate	109	3.773	3.773	0.000	96	209288	12.5	12.1	
26 Indene	115		4.067				ND	ND	
18 Phenol	94	4.151	4.151	0.000	94	558926	12.5	12.7	
16 Aniline	93	4.198	4.204	-0.006	94	685087	12.5	13.1	
19 Bis(2-chloroethyl)ether	93	4.256	4.262	-0.006	94	463084	12.5	13.0	
20 2-Chlorophenol	128	4.315	4.315	0.000	92	378961	12.5	13.2	
21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	93	441215	12.5	12.9	
* 22 1,4-Dichlorobenzene-d4	152	4.519	4.513	0.006	97	116297	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	89	447709	12.5	12.9	
25 Benzyl alcohol	108	4.635	4.641	-0.006	89	266355	12.5	12.6	
24 1,2-Dichlorobenzene	146	4.676	4.682	-0.006	92	424415	12.5	13.0	
27 2-Methylphenol	108	4.734	4.734	0.000	95	377111	12.5	13.1	
28 2,2'-oxybis[1-chloropropane]	45	4.775	4.775	0.000	91	502782	12.5	12.1	
45 Benzoic acid	105		4.819				ND	ND	
30 N-Nitrosopyrrolidine	100	4.874	4.874	0.000	88	219548	12.5	13.3	
35 4-Methylphenol	108	4.880	4.880	0.000	95	393192	12.5	12.6	
32 N-Nitrosodi-n-propylamine	70	4.892	4.892	0.000	84	386762	12.5	13.3	
31 Acetophenone	105	4.897	4.898	-0.001	95	646626	12.5	13.2	
33 N-Nitrosomorpholine	56	4.909	4.915	-0.006	85	267288	12.5	12.4	
34 2-Toluidine	106	4.927	4.927	0.000	95	707898	12.5	13.4	
36 Hexachloroethane	117	5.002	5.002	0.000	89	182617	12.5	12.3	
38 Nitrobenzene	77	5.061	5.061	0.000	84	531350	12.5	11.8	
39 N-Nitrosopiperidine	114	5.201	5.206	-0.005	84	199603	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
40 Isophorone	82	5.288	5.288	0.000	96	919091	12.5	12.5	
41 2-Nitrophenol	139	5.364	5.364	0.000	89	189657	12.5	13.0	
42 2,4-Dimethylphenol	107	5.393	5.393	0.000	98	409403	12.5	11.7	
43 o,o',o''-Triethylphosphorothioat	198	5.469	5.469	0.000	81	227773	12.5	12.0	
44 Bis(2-chloroethoxy)methane	93	5.492	5.492	0.000	98	555177	12.5	12.2	
47 2,4-Dichlorophenol	162	5.585	5.585	0.000	96	334974	12.5	12.7	
48 1,2,4-Trichlorobenzene	180	5.673	5.673	0.000	91	403892	12.5	12.3	
* 49 Naphthalene-d8	136	5.731	5.725	0.006	99	422027	5.00	5.00	
50 Naphthalene	128	5.748	5.749	-0.001	98	1117232	12.5	12.4	
52 4-Chloroaniline	127	5.795	5.795	0.000	93	460353	12.5	13.1	
53 2,6-Dichlorophenol	162	5.801	5.807	-0.006	94	346125	12.5	13.2	
54 Hexachloropropene	213	5.830	5.836	-0.006	87	321415	12.5	12.2	
55 Hexachlorobutadiene	225	5.865	5.865	0.000	94	287852	12.5	12.8	
56 Quinoline	129	6.063	6.063	0.000	95	722812	12.5	13.1	
59 N-Nitrosodi-n-butylamine	84	6.121	6.122	-0.001	91	345335	12.5	10.2	
58 p-Phenylene diamine	108	6.133	6.133	0.000	94	268046	12.5	8.64	7a
60 4-Chloro-3-methylphenol	107	6.250	6.250	0.000	91	367098	12.5	12.8	
61 Safrole, Total	162	6.325	6.326	-0.001	87	294504	12.5	12.0	
62 2-Methylnaphthalene	142	6.407	6.407	0.000	92	750167	12.5	13.4	
63 1-Methylnaphthalene	142	6.500	6.500	0.000	93	692163	12.5	12.2	
64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	94	314771	12.5	10.7	
65 1,2,4,5-Tetrachlorobenzene	216	6.564	6.565	-0.001	96	498293	12.5	12.3	
66 Isosafrole Peak 1	162	6.605	6.605	0.000	86	39139	1.50	1.42	
68 2,4,6-Trichlorophenol	196	6.669	6.669	0.000	92	275232	12.5	12.5	
69 2,4,5-Trichlorophenol	196	6.698	6.704	-0.006	93	305480	12.5	12.7	
71 Isosafrole Peak 2	162	6.815	6.815	0.000	89	295443	11.0	9.26	
77 1,1'-Biphenyl	154	6.850	6.856	-0.006	95	982674	12.5	12.1	
78 2-Chloronaphthalene	162	6.868	6.873	-0.005	95	759089	12.5	12.1	
79 1-Chloronaphthalene	162	6.891	6.891	0.000	98	747807	12.5	12.2	
80 Phenyl ether	170	6.955	6.955	0.000	87	548155	12.5	11.9	
81 2-Nitroaniline	138	6.961	6.967	-0.006	77	217713	12.5	13.6	
82 1,4-Naphthoquinone	158	7.037	7.037	0.000	80	285575	12.5	12.9	
83 1,4-Dinitrobenzene	168	7.095	7.101	-0.006	84	123265	12.5	13.3	
84 Dimethyl phthalate	163	7.141	7.142	-0.001	97	855110	12.5	12.3	
85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	83	136522	12.5	12.9	
86 2,6-Dinitrotoluene	165	7.194	7.194	0.000	90	197475	12.5	13.0	
87 Acenaphthylene	152	7.264	7.264	0.000	99	1140033	12.5	13.1	
88 3-Nitroaniline	138	7.351	7.351	0.000	86	192311	12.5	13.6	
* 89 Acenaphthene-d10	164	7.398	7.392	0.006	94	264601	5.00	5.00	
90 Acenaphthene	153	7.427	7.427	0.000	96	773176	12.5	12.3	
91 2,4-Dinitrophenol	184	7.450	7.450	0.000	85	273314	25.0	26.4	
93 4-Nitrophenol	109	7.497	7.497	0.000	83	290106	25.0	26.9	
92 Pentachlorobenzene	250	7.549	7.550	-0.001	98	425189	12.5	12.4	
95 2,4-Dinitrotoluene	165	7.573	7.573	0.000	88	256506	12.5	13.1	
94 Dibenzofuran	168	7.590	7.590	0.000	97	1112895	12.5	12.2	
96 1-Naphthylamine	143	7.666	7.666	0.000	98	715042	12.5	13.1	
97 2,3,4,6-Tetrachlorophenol	232	7.701	7.701	0.000	70	304215	12.5	13.7	
98 2-Naphthylamine	143	7.742	7.742	0.000	95	787472	12.5	13.0	
99 Diethyl phthalate	149	7.812	7.812	0.000	98	841689	12.5	12.6	
101 Thionazin	107	7.888	7.888	0.000	78	135146	12.5	11.8	
100 Fluorene	166	7.917	7.917	0.000	92	912952	12.5	12.6	
102 4-Chlorophenyl phenyl ether	204	7.923	7.923	-0.001	89	516846	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
103 N-Nitro-o-toluidine	152	7.923	7.923	-0.001	82	235412	12.5	13.3	
104 4-Nitroaniline	138	7.928	7.928	0.000	76	204913	12.5	13.3	
105 4,6-Dinitro-2-methylphenol	198	7.957	7.958	-0.001	86	365583	25.0	27.2	
106 N-Nitrosodiphenylamine	169	8.027	8.028	-0.001	76	635485	10.6	11.1	
107 1,2-Diphenylhydrazine	77	8.068	8.068	0.000	41	1137307	12.5	13.2	
109 Sulfotepp	97	8.185	8.185	0.000	78	159005	12.5	12.4	
110 1,3,5-Trinitrobenzene	213	8.266	8.266	0.000	83	101598	12.5	12.4	
111 cis-Diallate	86	8.307	8.307	0.000	0	323984	9.38	9.23	
112 Phorate	75	8.313	8.313	0.000	95	646239	12.5	13.1	
113 Phenacetin	108	8.319	8.319	0.000	89	416365	12.5	13.5	
114 4-Bromophenyl phenyl ether	248	8.383	8.383	0.000	64	319910	12.5	12.7	
115 trans-Diallate	86	8.389	8.395	-0.006	0	116063	3.13	3.27	
116 Hexachlorobenzene	284	8.430	8.436	-0.006	96	351508	12.5	12.3	
117 Dimethoate	87	8.470	8.470	0.000	97	367354	12.5	12.9	
119 Pentachlorophenol	266	8.616	8.616	0.000	93	438147	25.0	27.4	
121 4-Aminobiphenyl	169	8.628	8.628	0.000	91	997631	12.5	12.7	
120 Pentachloronitrobenzene	237	8.628	8.634	-0.006	88	150727	12.5	12.5	
122 Pronamide	173	8.686	8.686	0.000	90	395676	12.5	13.6	
125 Dinoseb	211	8.797	8.797	0.000	96	247743	12.5	12.3	
* 123 Phenanthrene-d10	188	8.803	8.803	0.000	98	522723	5.00	5.00	
126 Disulfoton	88	8.814	8.814	0.000	96	599225	12.5	12.1	
124 Phenanthrene	178	8.826	8.826	0.000	97	1395866	12.5	12.6	
127 Anthracene	178	8.878	8.878	0.000	97	1402107	12.5	13.0	
128 Carbazole	167	9.030	9.030	0.000	96	1191202	12.5	12.9	
129 Methyl parathion	109	9.164	9.164	0.000	93	259506	12.5	11.9	
130 Di-n-butyl phthalate	149	9.368	9.374	-0.006	100	1320522	12.5	13.4	
132 Ethyl Parathion	109	9.537	9.537	0.000	85	159262	12.5	13.1	
131 4-Nitroquinoline-1-oxide	190	9.560	9.560	0.000	78	96055	12.5	11.1	
S 67 Diallate	86				0		12.5	12.5	
140 Aramite Peak 1	185		9.686				ND	ND	
141 Aramite Peak 2	185		9.709				ND	ND	
143 Aramite Peak 3	185		9.750				ND	ND	
134 Octachlorostyrene	308	9.776	9.776	0.000	90	134527	12.5	12.4	
135 Isodrin	193	9.817	9.817	0.000	92	172571	12.5	11.9	
144 Aramite Peak 4	185		9.825				ND	ND	
136 Fluoranthene	202	9.957	9.957	0.000	97	1575551	12.5	13.1	
137 Benzidine	184	10.091	10.091	0.000	99	843114	12.5	11.8	
* 138 Pyrene-d10 (IS)	212	10.155	10.155	0.000	98	547418	5.00	5.00	
139 Pyrene	202	10.172	10.178	-0.006	98	1675632	12.5	12.6	
147 Famphur	218		10.330				ND	ND	
145 p-Dimethylamino azobenzene	225	10.475	10.476	-0.001	90	294636	12.5	12.5	
146 Chlorobenzilate	139	10.528	10.528	0.000	97	387085	12.5	12.8	
148 3,3'-Dimethylbenzidine	212	10.831	10.831	0.000	99	813428	12.5	11.6	
150 Butyl benzyl phthalate	149	10.854	10.860	-0.006	95	597324	12.5	13.8	
151 2-Acetylaminofluorene	181	11.105	11.105	0.000	93	454408	12.5	12.7	
153 3,3'-Dichlorobenzidine	252	11.449	11.449	0.000	72	578557	12.5	12.9	
154 4,4'-Methylene bis(2-chloroanil	231	11.455	11.461	-0.006	96	316303	12.5	13.2	
152 Benzo[a]anthracene	228	11.466	11.466	0.000	97	1662591	12.5	13.9	
155 Chrysene	228	11.507	11.513	-0.006	96	1649342	12.5	13.3	
156 Bis(2-ethylhexyl) phthalate	149	11.542	11.542	0.000	97	762412	12.5	15.6	E
157 6-Methylchrysene	242	12.090	12.090	0.000	98	1040810	12.5	12.8	
158 Di-n-octyl phthalate	149	12.422	12.422	0.000	100	1090756	12.5	15.6	E

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Benzo[b]fluoranthene	252	12.889	12.889	-0.001	96	1593919	12.5	13.6	
160 7,12-Dimethylbenz(a)anthracene	256	12.889	12.889	-0.001	70	644068	12.5	13.6	
161 Benzo[k]fluoranthene	252	12.929	12.929	0.000	97	1581994	12.5	13.3	
162 Benzo[a]pyrene	252	13.355	13.355	0.000	75	1360637	12.5	14.6	
* 163 Perylene-d12	264	13.436	13.431	0.005	99	446400	5.00	5.00	
164 3-Methylcholanthrene	268	13.874	13.874	0.000	89	647080	12.5	12.8	
165 Dibenz[a,h]acridine	279	14.672	14.672	0.000	90	1023009	12.5	14.2	
166 Dibenz[a,j]acridine	279	14.736	14.736	0.000	96	1257862	12.5	15.2	
167 Indeno[1,2,3-cd]pyrene	276	14.975	14.975	0.000	97	1136461	12.5	13.9	
168 Dibenz(a,h)anthracene	278	15.016	15.016	0.000	90	1306052	12.5	13.5	
169 Benzo[g,h,i]perylene	276	15.360	15.360	0.000	97	1322989	12.5	13.1	
S 170 Aramite, Total	185		44.000				12.5	ND	7
S 177 Isosafrole	162				0		12.5	10.7	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00018 Amount Added: 1.00 Units: mL

Report Date: 08-Nov-2022 08:54:17 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0711.D

Injection Date: 07-Nov-2022 22:28:30 Instrument ID: HP19760 Operator ID: kel10217

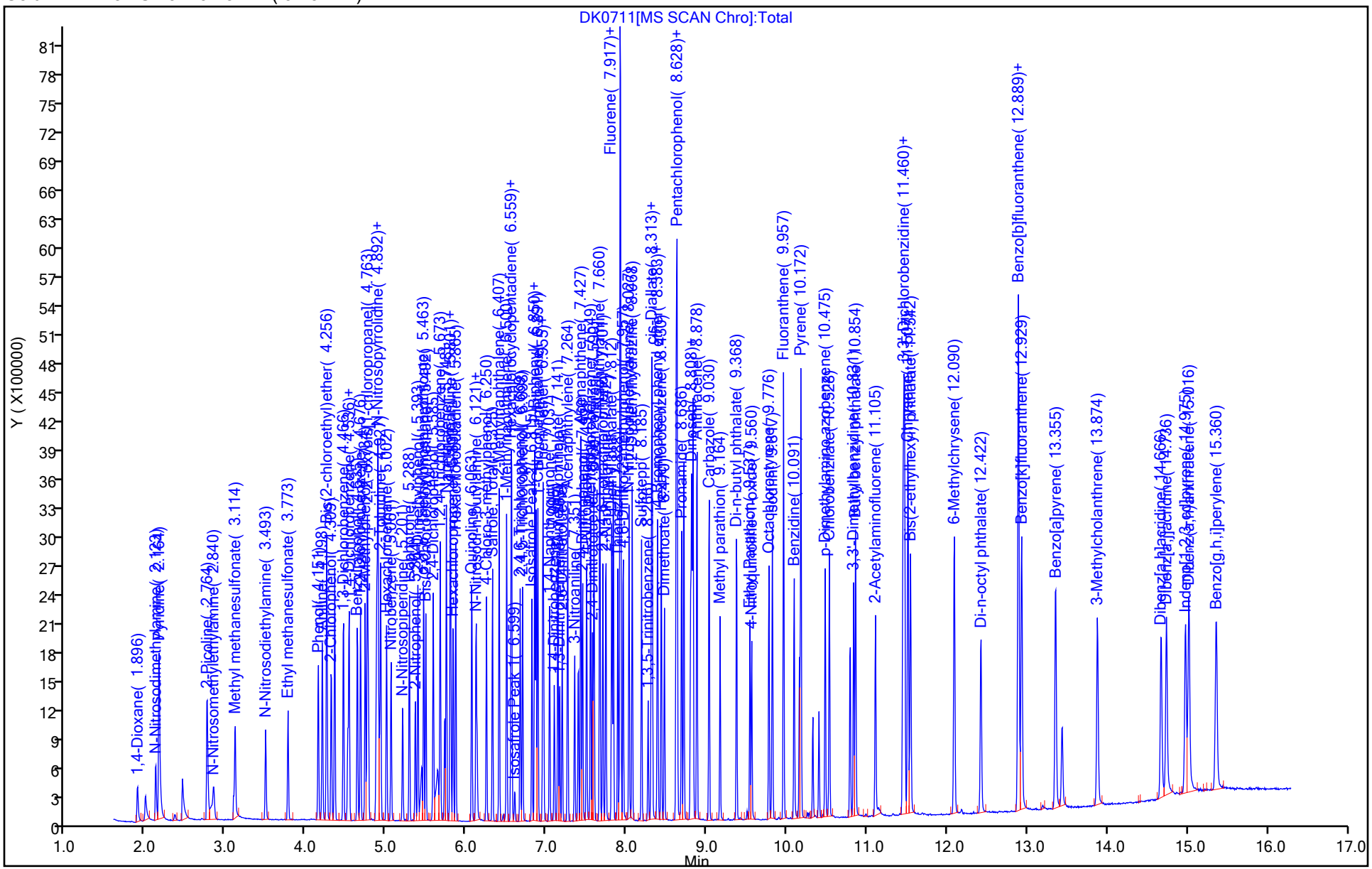
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-314883/12 Calibration Date: 11/07/2022 22:28

Instrument ID: HP19760 Calib Start Date: 07/24/2022 14:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 07/24/2022 16:10

Lab File ID: DK0711.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Qua1					12.5		30.0
Indene	Ave	2.550				12.5		30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0711.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 07-Nov-2022 22:28:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0070576-012
Operator ID: kel10217 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 08:52:42 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: W6XI Date: 08-Nov-2022 08:15:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.896	1.896	0.000	92	195800	12.5	13.0	
3 N-Nitrosodimethylamine	74	2.123	2.123	0.000	94	315709	12.5	12.0	
4 Pyridine	79	2.164	2.164	0.000	96	1008291	25.0	25.1	
6 2-Picoline	93	2.764	2.764	0.000	89	521487	12.5	13.1	
7 N-Nitrosomethylethylamine	88	2.846	2.846	0.000	93	219265	12.5	12.3	
8 Methyl methanesulfonate	80	3.114	3.114	0.000	86	306912	12.5	13.0	
11 N-Nitrosodiethylamine	102	3.493	3.493	0.000	95	207028	12.5	13.1	
12 Ethyl methanesulfonate	109	3.773	3.773	0.000	96	209288	12.5	12.1	
26 Indene	115		4.067				ND	ND	
18 Phenol	94	4.151	4.151	0.000	94	558926	12.5	12.7	
16 Aniline	93	4.198	4.204	-0.006	94	685087	12.5	13.1	
19 Bis(2-chloroethyl)ether	93	4.256	4.262	-0.006	94	463084	12.5	13.0	
20 2-Chlorophenol	128	4.315	4.315	0.000	92	378961	12.5	13.2	
21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	93	441215	12.5	12.9	
* 22 1,4-Dichlorobenzene-d4	152	4.519	4.513	0.006	97	116297	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	89	447709	12.5	12.9	
25 Benzyl alcohol	108	4.635	4.641	-0.006	89	266355	12.5	12.6	
24 1,2-Dichlorobenzene	146	4.676	4.682	-0.006	92	424415	12.5	13.0	
27 2-Methylphenol	108	4.734	4.734	0.000	95	377111	12.5	13.1	
28 2,2'-oxybis[1-chloropropane]	45	4.775	4.775	0.000	91	502782	12.5	12.1	
45 Benzoic acid	105		4.819				ND	ND	
30 N-Nitrosopyrrolidine	100	4.874	4.874	0.000	88	219548	12.5	13.3	
35 4-Methylphenol	108	4.880	4.880	0.000	95	393192	12.5	12.6	
32 N-Nitrosodi-n-propylamine	70	4.892	4.892	0.000	84	386762	12.5	13.3	
31 Acetophenone	105	4.897	4.898	-0.001	95	646626	12.5	13.2	
33 N-Nitrosomorpholine	56	4.909	4.915	-0.006	85	267288	12.5	12.4	
34 2-Toluidine	106	4.927	4.927	0.000	95	707898	12.5	13.4	
36 Hexachloroethane	117	5.002	5.002	0.000	89	182617	12.5	12.3	
38 Nitrobenzene	77	5.061	5.061	0.000	84	531350	12.5	11.8	
39 N-Nitrosopiperidine	114	5.201	5.206	-0.005	84	199603	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
	40 Isophorone	82	5.288	5.288	0.000	96	919091	12.5	12.5	
	41 2-Nitrophenol	139	5.364	5.364	0.000	89	189657	12.5	13.0	
	42 2,4-Dimethylphenol	107	5.393	5.393	0.000	98	409403	12.5	11.7	
	43 o,o',o''-Triethylphosphorothioat	198	5.469	5.469	0.000	81	227773	12.5	12.0	
	44 Bis(2-chloroethoxy)methane	93	5.492	5.492	0.000	98	555177	12.5	12.2	
	47 2,4-Dichlorophenol	162	5.585	5.585	0.000	96	334974	12.5	12.7	
	48 1,2,4-Trichlorobenzene	180	5.673	5.673	0.000	91	403892	12.5	12.3	
*	49 Naphthalene-d8	136	5.731	5.725	0.006	99	422027	5.00	5.00	
	50 Naphthalene	128	5.748	5.749	-0.001	98	1117232	12.5	12.4	
	52 4-Chloroaniline	127	5.795	5.795	0.000	93	460353	12.5	13.1	
	53 2,6-Dichlorophenol	162	5.801	5.807	-0.006	94	346125	12.5	13.2	
	54 Hexachloropropene	213	5.830	5.836	-0.006	87	321415	12.5	12.2	
	55 Hexachlorobutadiene	225	5.865	5.865	0.000	94	287852	12.5	12.8	
	56 Quinoline	129	6.063	6.063	0.000	95	722812	12.5	13.1	
	59 N-Nitrosodi-n-butylamine	84	6.121	6.122	-0.001	91	345335	12.5	10.2	
	58 p-Phenylene diamine	108	6.133	6.133	0.000	94	268046	12.5	8.64	7a
	60 4-Chloro-3-methylphenol	107	6.250	6.250	0.000	91	367098	12.5	12.8	
	61 Safrole, Total	162	6.325	6.326	-0.001	87	294504	12.5	12.0	
	62 2-Methylnaphthalene	142	6.407	6.407	0.000	92	750167	12.5	13.4	
	63 1-Methylnaphthalene	142	6.500	6.500	0.000	93	692163	12.5	12.2	
	64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	94	314771	12.5	10.7	
	65 1,2,4,5-Tetrachlorobenzene	216	6.564	6.565	-0.001	96	498293	12.5	12.3	
	66 Isosafrole Peak 1	162	6.605	6.605	0.000	86	39139	1.50	1.42	
	68 2,4,6-Trichlorophenol	196	6.669	6.669	0.000	92	275232	12.5	12.5	
	69 2,4,5-Trichlorophenol	196	6.698	6.704	-0.006	93	305480	12.5	12.7	
	71 Isosafrole Peak 2	162	6.815	6.815	0.000	89	295443	11.0	9.26	
	77 1,1'-Biphenyl	154	6.850	6.856	-0.006	95	982674	12.5	12.1	
	78 2-Chloronaphthalene	162	6.868	6.873	-0.005	95	759089	12.5	12.1	
	79 1-Chloronaphthalene	162	6.891	6.891	0.000	98	747807	12.5	12.2	
	80 Phenyl ether	170	6.955	6.955	0.000	87	548155	12.5	11.9	
	81 2-Nitroaniline	138	6.961	6.967	-0.006	77	217713	12.5	13.6	
	82 1,4-Naphthoquinone	158	7.037	7.037	0.000	80	285575	12.5	12.9	
	83 1,4-Dinitrobenzene	168	7.095	7.101	-0.006	84	123265	12.5	13.3	
	84 Dimethyl phthalate	163	7.141	7.142	-0.001	97	855110	12.5	12.3	
	85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	83	136522	12.5	12.9	
	86 2,6-Dinitrotoluene	165	7.194	7.194	0.000	90	197475	12.5	13.0	
	87 Acenaphthylene	152	7.264	7.264	0.000	99	1140033	12.5	13.1	
	88 3-Nitroaniline	138	7.351	7.351	0.000	86	192311	12.5	13.6	
*	89 Acenaphthene-d10	164	7.398	7.392	0.006	94	264601	5.00	5.00	
	90 Acenaphthene	153	7.427	7.427	0.000	96	773176	12.5	12.3	
	91 2,4-Dinitrophenol	184	7.450	7.450	0.000	85	273314	25.0	26.4	
	93 4-Nitrophenol	109	7.497	7.497	0.000	83	290106	25.0	26.9	
	92 Pentachlorobenzene	250	7.549	7.550	-0.001	98	425189	12.5	12.4	
	95 2,4-Dinitrotoluene	165	7.573	7.573	0.000	88	256506	12.5	13.1	
	94 Dibenzofuran	168	7.590	7.590	0.000	97	1112895	12.5	12.2	
	96 1-Naphthylamine	143	7.666	7.666	0.000	98	715042	12.5	13.1	
	97 2,3,4,6-Tetrachlorophenol	232	7.701	7.701	0.000	70	304215	12.5	13.7	
	98 2-Naphthylamine	143	7.742	7.742	0.000	95	787472	12.5	13.0	
	99 Diethyl phthalate	149	7.812	7.812	0.000	98	841689	12.5	12.6	
	101 Thionazin	107	7.888	7.888	0.000	78	135146	12.5	11.8	
	100 Fluorene	166	7.917	7.917	0.000	92	912952	12.5	12.6	
	102 4-Chlorophenyl phenyl ether	204	7.923	7.923	-0.001	89	516846	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
103 N-Nitro-o-toluidine	152	7.923	7.923	-0.001	82	235412	12.5	13.3	
104 4-Nitroaniline	138	7.928	7.928	0.000	76	204913	12.5	13.3	
105 4,6-Dinitro-2-methylphenol	198	7.957	7.958	-0.001	86	365583	25.0	27.2	
106 N-Nitrosodiphenylamine	169	8.027	8.028	-0.001	76	635485	10.6	11.1	
107 1,2-Diphenylhydrazine	77	8.068	8.068	0.000	41	1137307	12.5	13.2	
109 Sulfotepp	97	8.185	8.185	0.000	78	159005	12.5	12.4	
110 1,3,5-Trinitrobenzene	213	8.266	8.266	0.000	83	101598	12.5	12.4	
111 cis-Diallate	86	8.307	8.307	0.000	0	323984	9.38	9.23	
112 Phorate	75	8.313	8.313	0.000	95	646239	12.5	13.1	
113 Phenacetin	108	8.319	8.319	0.000	89	416365	12.5	13.5	
114 4-Bromophenyl phenyl ether	248	8.383	8.383	0.000	64	319910	12.5	12.7	
115 trans-Diallate	86	8.389	8.395	-0.006	0	116063	3.13	3.27	
116 Hexachlorobenzene	284	8.430	8.436	-0.006	96	351508	12.5	12.3	
117 Dimethoate	87	8.470	8.470	0.000	97	367354	12.5	12.9	
119 Pentachlorophenol	266	8.616	8.616	0.000	93	438147	25.0	27.4	
121 4-Aminobiphenyl	169	8.628	8.628	0.000	91	997631	12.5	12.7	
120 Pentachloronitrobenzene	237	8.628	8.634	-0.006	88	150727	12.5	12.5	
122 Pronamide	173	8.686	8.686	0.000	90	395676	12.5	13.6	
125 Dinoseb	211	8.797	8.797	0.000	96	247743	12.5	12.3	
* 123 Phenanthrene-d10	188	8.803	8.803	0.000	98	522723	5.00	5.00	
126 Disulfoton	88	8.814	8.814	0.000	96	599225	12.5	12.1	
124 Phenanthrene	178	8.826	8.826	0.000	97	1395866	12.5	12.6	
127 Anthracene	178	8.878	8.878	0.000	97	1402107	12.5	13.0	
128 Carbazole	167	9.030	9.030	0.000	96	1191202	12.5	12.9	
129 Methyl parathion	109	9.164	9.164	0.000	93	259506	12.5	11.9	
130 Di-n-butyl phthalate	149	9.368	9.374	-0.006	100	1320522	12.5	13.4	
132 Ethyl Parathion	109	9.537	9.537	0.000	85	159262	12.5	13.1	
131 4-Nitroquinoline-1-oxide	190	9.560	9.560	0.000	78	96055	12.5	11.1	
S 67 Diallate	86				0		12.5	12.5	
140 Aramite Peak 1	185		9.686				ND	ND	
141 Aramite Peak 2	185		9.709				ND	ND	
143 Aramite Peak 3	185		9.750				ND	ND	
134 Octachlorostyrene	308	9.776	9.776	0.000	90	134527	12.5	12.4	
135 Isodrin	193	9.817	9.817	0.000	92	172571	12.5	11.9	
144 Aramite Peak 4	185		9.825				ND	ND	
136 Fluoranthene	202	9.957	9.957	0.000	97	1575551	12.5	13.1	
137 Benzidine	184	10.091	10.091	0.000	99	843114	12.5	11.8	
* 138 Pyrene-d10 (IS)	212	10.155	10.155	0.000	98	547418	5.00	5.00	
139 Pyrene	202	10.172	10.178	-0.006	98	1675632	12.5	12.6	
147 Famphur	218		10.330				ND	ND	
145 p-Dimethylamino azobenzene	225	10.475	10.476	-0.001	90	294636	12.5	12.5	
146 Chlorobenzilate	139	10.528	10.528	0.000	97	387085	12.5	12.8	
148 3,3'-Dimethylbenzidine	212	10.831	10.831	0.000	99	813428	12.5	11.6	
150 Butyl benzyl phthalate	149	10.854	10.860	-0.006	95	597324	12.5	13.8	
151 2-Acetylaminofluorene	181	11.105	11.105	0.000	93	454408	12.5	12.7	
153 3,3'-Dichlorobenzidine	252	11.449	11.449	0.000	72	578557	12.5	12.9	
154 4,4'-Methylene bis(2-chloroanil	231	11.455	11.461	-0.006	96	316303	12.5	13.2	
152 Benzo[a]anthracene	228	11.466	11.466	0.000	97	1662591	12.5	13.9	
155 Chrysene	228	11.507	11.513	-0.006	96	1649342	12.5	13.3	
156 Bis(2-ethylhexyl) phthalate	149	11.542	11.542	0.000	97	762412	12.5	15.6	E
157 6-Methylchrysene	242	12.090	12.090	0.000	98	1040810	12.5	12.8	
158 Di-n-octyl phthalate	149	12.422	12.422	0.000	100	1090756	12.5	15.6	E

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Benzo[b]fluoranthene	252	12.889	12.889	-0.001	96	1593919	12.5	13.6	
160 7,12-Dimethylbenz(a)anthracene	256	12.889	12.889	-0.001	70	644068	12.5	13.6	
161 Benzo[k]fluoranthene	252	12.929	12.929	0.000	97	1581994	12.5	13.3	
162 Benzo[a]pyrene	252	13.355	13.355	0.000	75	1360637	12.5	14.6	
* 163 Perylene-d12	264	13.436	13.431	0.005	99	446400	5.00	5.00	
164 3-Methylcholanthrene	268	13.874	13.874	0.000	89	647080	12.5	12.8	
165 Dibenz[a,h]acridine	279	14.672	14.672	0.000	90	1023009	12.5	14.2	
166 Dibenz[a,j]acridine	279	14.736	14.736	0.000	96	1257862	12.5	15.2	
167 Indeno[1,2,3-cd]pyrene	276	14.975	14.975	0.000	97	1136461	12.5	13.9	
168 Dibenz(a,h)anthracene	278	15.016	15.016	0.000	90	1306052	12.5	13.5	
169 Benzo[g,h,i]perylene	276	15.360	15.360	0.000	97	1322989	12.5	13.1	
S 170 Aramite, Total	185		44.000				12.5	ND	7
S 177 Isosafrole	162				0		12.5	10.7	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00018 Amount Added: 1.00 Units: mL

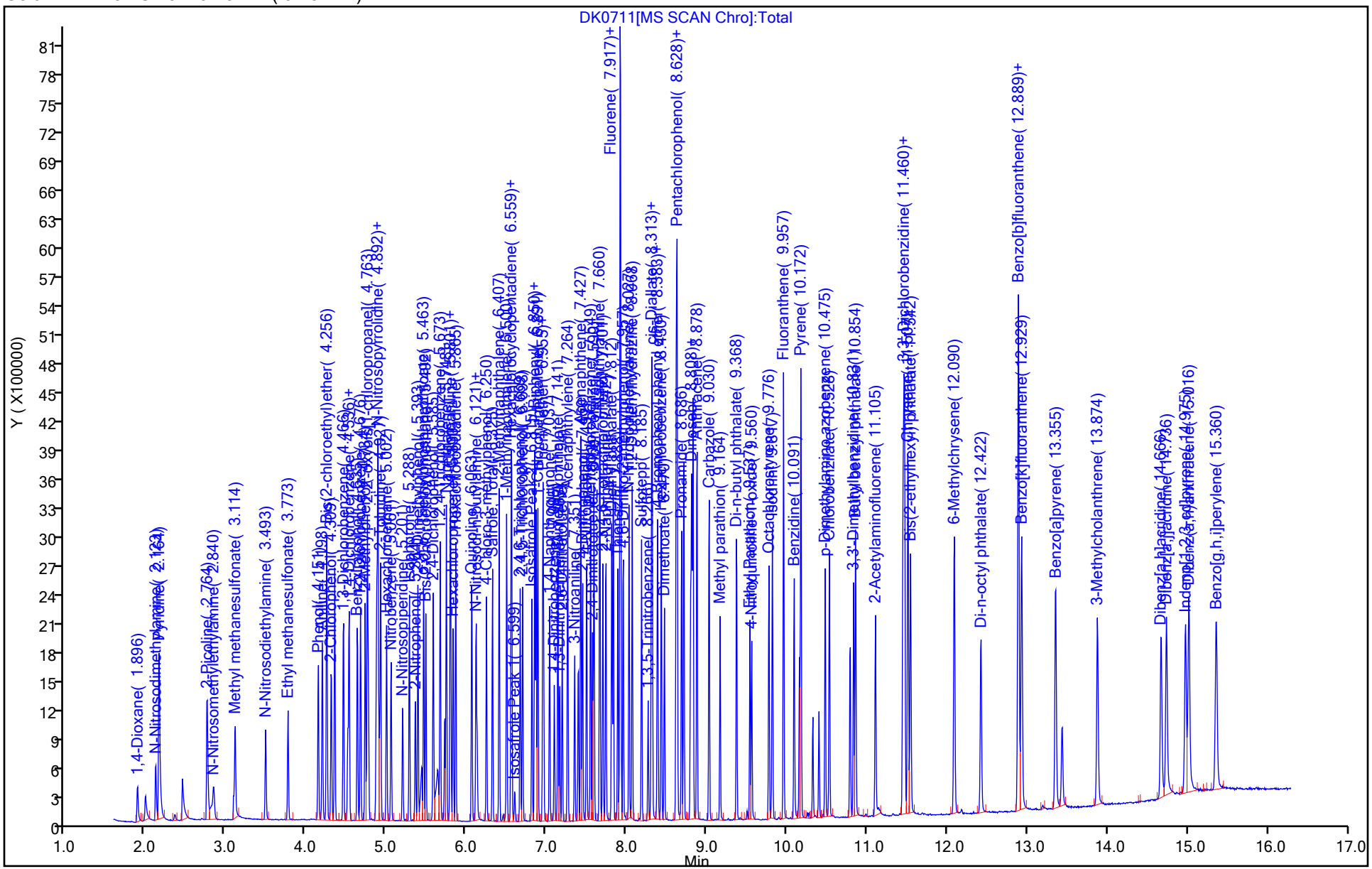
Report Date: 08-Nov-2022 08:54:17 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0711.D

Injection Date:	07-Nov-2022 22:28:30	Instrument ID:	HP19760	Operator ID:	kel10217
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-314883/12 Calibration Date: 11/07/2022 22:28

Instrument ID: HP19760 Calib Start Date: 10/10/2022 19:53

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 10/10/2022 19:53

Lab File ID: DK0711.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0325				1.25		30.0
Aramite Peak 2	Ave	0.0372				1.25		30.0
Aramite Peak 3	Ave	0.1064				5.00		30.0
Aramite Peak 4	Ave	0.1407				5.00		30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0711.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 07-Nov-2022 22:28:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0070576-012
Operator ID: kel10217 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 08:52:42 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: W6XI Date: 08-Nov-2022 08:15:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.896	1.896	0.000	92	195800	12.5	13.0	
3 N-Nitrosodimethylamine	74	2.123	2.123	0.000	94	315709	12.5	12.0	
4 Pyridine	79	2.164	2.164	0.000	96	1008291	25.0	25.1	
6 2-Picoline	93	2.764	2.764	0.000	89	521487	12.5	13.1	
7 N-Nitrosomethylethylamine	88	2.846	2.846	0.000	93	219265	12.5	12.3	
8 Methyl methanesulfonate	80	3.114	3.114	0.000	86	306912	12.5	13.0	
11 N-Nitrosodiethylamine	102	3.493	3.493	0.000	95	207028	12.5	13.1	
12 Ethyl methanesulfonate	109	3.773	3.773	0.000	96	209288	12.5	12.1	
26 Indene	115		4.067				ND	ND	
18 Phenol	94	4.151	4.151	0.000	94	558926	12.5	12.7	
16 Aniline	93	4.198	4.204	-0.006	94	685087	12.5	13.1	
19 Bis(2-chloroethyl)ether	93	4.256	4.262	-0.006	94	463084	12.5	13.0	
20 2-Chlorophenol	128	4.315	4.315	0.000	92	378961	12.5	13.2	
21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	93	441215	12.5	12.9	
* 22 1,4-Dichlorobenzene-d4	152	4.519	4.513	0.006	97	116297	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	89	447709	12.5	12.9	
25 Benzyl alcohol	108	4.635	4.641	-0.006	89	266355	12.5	12.6	
24 1,2-Dichlorobenzene	146	4.676	4.682	-0.006	92	424415	12.5	13.0	
27 2-Methylphenol	108	4.734	4.734	0.000	95	377111	12.5	13.1	
28 2,2'-oxybis[1-chloropropane]	45	4.775	4.775	0.000	91	502782	12.5	12.1	
45 Benzoic acid	105		4.819				ND	ND	
30 N-Nitrosopyrrolidine	100	4.874	4.874	0.000	88	219548	12.5	13.3	
35 4-Methylphenol	108	4.880	4.880	0.000	95	393192	12.5	12.6	
32 N-Nitrosodi-n-propylamine	70	4.892	4.892	0.000	84	386762	12.5	13.3	
31 Acetophenone	105	4.897	4.898	-0.001	95	646626	12.5	13.2	
33 N-Nitrosomorpholine	56	4.909	4.915	-0.006	85	267288	12.5	12.4	
34 2-Toluidine	106	4.927	4.927	0.000	95	707898	12.5	13.4	
36 Hexachloroethane	117	5.002	5.002	0.000	89	182617	12.5	12.3	
38 Nitrobenzene	77	5.061	5.061	0.000	84	531350	12.5	11.8	
39 N-Nitrosopiperidine	114	5.201	5.206	-0.005	84	199603	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
40 Isophorone	82	5.288	5.288	0.000	96	919091	12.5	12.5	
41 2-Nitrophenol	139	5.364	5.364	0.000	89	189657	12.5	13.0	
42 2,4-Dimethylphenol	107	5.393	5.393	0.000	98	409403	12.5	11.7	
43 o,o',o''-Triethylphosphorothioat	198	5.469	5.469	0.000	81	227773	12.5	12.0	
44 Bis(2-chloroethoxy)methane	93	5.492	5.492	0.000	98	555177	12.5	12.2	
47 2,4-Dichlorophenol	162	5.585	5.585	0.000	96	334974	12.5	12.7	
48 1,2,4-Trichlorobenzene	180	5.673	5.673	0.000	91	403892	12.5	12.3	
* 49 Naphthalene-d8	136	5.731	5.725	0.006	99	422027	5.00	5.00	
50 Naphthalene	128	5.748	5.749	-0.001	98	1117232	12.5	12.4	
52 4-Chloroaniline	127	5.795	5.795	0.000	93	460353	12.5	13.1	
53 2,6-Dichlorophenol	162	5.801	5.807	-0.006	94	346125	12.5	13.2	
54 Hexachloropropene	213	5.830	5.836	-0.006	87	321415	12.5	12.2	
55 Hexachlorobutadiene	225	5.865	5.865	0.000	94	287852	12.5	12.8	
56 Quinoline	129	6.063	6.063	0.000	95	722812	12.5	13.1	
59 N-Nitrosodi-n-butylamine	84	6.121	6.122	-0.001	91	345335	12.5	10.2	
58 p-Phenylene diamine	108	6.133	6.133	0.000	94	268046	12.5	8.64	7a
60 4-Chloro-3-methylphenol	107	6.250	6.250	0.000	91	367098	12.5	12.8	
61 Safrole, Total	162	6.325	6.326	-0.001	87	294504	12.5	12.0	
62 2-Methylnaphthalene	142	6.407	6.407	0.000	92	750167	12.5	13.4	
63 1-Methylnaphthalene	142	6.500	6.500	0.000	93	692163	12.5	12.2	
64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	94	314771	12.5	10.7	
65 1,2,4,5-Tetrachlorobenzene	216	6.564	6.565	-0.001	96	498293	12.5	12.3	
66 Isosafrole Peak 1	162	6.605	6.605	0.000	86	39139	1.50	1.42	
68 2,4,6-Trichlorophenol	196	6.669	6.669	0.000	92	275232	12.5	12.5	
69 2,4,5-Trichlorophenol	196	6.698	6.704	-0.006	93	305480	12.5	12.7	
71 Isosafrole Peak 2	162	6.815	6.815	0.000	89	295443	11.0	9.26	
77 1,1'-Biphenyl	154	6.850	6.856	-0.006	95	982674	12.5	12.1	
78 2-Chloronaphthalene	162	6.868	6.873	-0.005	95	759089	12.5	12.1	
79 1-Chloronaphthalene	162	6.891	6.891	0.000	98	747807	12.5	12.2	
80 Phenyl ether	170	6.955	6.955	0.000	87	548155	12.5	11.9	
81 2-Nitroaniline	138	6.961	6.967	-0.006	77	217713	12.5	13.6	
82 1,4-Naphthoquinone	158	7.037	7.037	0.000	80	285575	12.5	12.9	
83 1,4-Dinitrobenzene	168	7.095	7.101	-0.006	84	123265	12.5	13.3	
84 Dimethyl phthalate	163	7.141	7.142	-0.001	97	855110	12.5	12.3	
85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	83	136522	12.5	12.9	
86 2,6-Dinitrotoluene	165	7.194	7.194	0.000	90	197475	12.5	13.0	
87 Acenaphthylene	152	7.264	7.264	0.000	99	1140033	12.5	13.1	
88 3-Nitroaniline	138	7.351	7.351	0.000	86	192311	12.5	13.6	
* 89 Acenaphthene-d10	164	7.398	7.392	0.006	94	264601	5.00	5.00	
90 Acenaphthene	153	7.427	7.427	0.000	96	773176	12.5	12.3	
91 2,4-Dinitrophenol	184	7.450	7.450	0.000	85	273314	25.0	26.4	
93 4-Nitrophenol	109	7.497	7.497	0.000	83	290106	25.0	26.9	
92 Pentachlorobenzene	250	7.549	7.550	-0.001	98	425189	12.5	12.4	
95 2,4-Dinitrotoluene	165	7.573	7.573	0.000	88	256506	12.5	13.1	
94 Dibenzofuran	168	7.590	7.590	0.000	97	1112895	12.5	12.2	
96 1-Naphthylamine	143	7.666	7.666	0.000	98	715042	12.5	13.1	
97 2,3,4,6-Tetrachlorophenol	232	7.701	7.701	0.000	70	304215	12.5	13.7	
98 2-Naphthylamine	143	7.742	7.742	0.000	95	787472	12.5	13.0	
99 Diethyl phthalate	149	7.812	7.812	0.000	98	841689	12.5	12.6	
101 Thionazin	107	7.888	7.888	0.000	78	135146	12.5	11.8	
100 Fluorene	166	7.917	7.917	0.000	92	912952	12.5	12.6	
102 4-Chlorophenyl phenyl ether	204	7.923	7.923	-0.001	89	516846	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
103 N-Nitro-o-toluidine	152	7.923	7.923	-0.001	82	235412	12.5	13.3	
104 4-Nitroaniline	138	7.928	7.928	0.000	76	204913	12.5	13.3	
105 4,6-Dinitro-2-methylphenol	198	7.957	7.958	-0.001	86	365583	25.0	27.2	
106 N-Nitrosodiphenylamine	169	8.027	8.028	-0.001	76	635485	10.6	11.1	
107 1,2-Diphenylhydrazine	77	8.068	8.068	0.000	41	1137307	12.5	13.2	
109 Sulfotepp	97	8.185	8.185	0.000	78	159005	12.5	12.4	
110 1,3,5-Trinitrobenzene	213	8.266	8.266	0.000	83	101598	12.5	12.4	
111 cis-Diallate	86	8.307	8.307	0.000	0	323984	9.38	9.23	
112 Phorate	75	8.313	8.313	0.000	95	646239	12.5	13.1	
113 Phenacetin	108	8.319	8.319	0.000	89	416365	12.5	13.5	
114 4-Bromophenyl phenyl ether	248	8.383	8.383	0.000	64	319910	12.5	12.7	
115 trans-Diallate	86	8.389	8.395	-0.006	0	116063	3.13	3.27	
116 Hexachlorobenzene	284	8.430	8.436	-0.006	96	351508	12.5	12.3	
117 Dimethoate	87	8.470	8.470	0.000	97	367354	12.5	12.9	
119 Pentachlorophenol	266	8.616	8.616	0.000	93	438147	25.0	27.4	
121 4-Aminobiphenyl	169	8.628	8.628	0.000	91	997631	12.5	12.7	
120 Pentachloronitrobenzene	237	8.628	8.634	-0.006	88	150727	12.5	12.5	
122 Pronamide	173	8.686	8.686	0.000	90	395676	12.5	13.6	
125 Dinoseb	211	8.797	8.797	0.000	96	247743	12.5	12.3	
* 123 Phenanthrene-d10	188	8.803	8.803	0.000	98	522723	5.00	5.00	
126 Disulfoton	88	8.814	8.814	0.000	96	599225	12.5	12.1	
124 Phenanthrene	178	8.826	8.826	0.000	97	1395866	12.5	12.6	
127 Anthracene	178	8.878	8.878	0.000	97	1402107	12.5	13.0	
128 Carbazole	167	9.030	9.030	0.000	96	1191202	12.5	12.9	
129 Methyl parathion	109	9.164	9.164	0.000	93	259506	12.5	11.9	
130 Di-n-butyl phthalate	149	9.368	9.374	-0.006	100	1320522	12.5	13.4	
132 Ethyl Parathion	109	9.537	9.537	0.000	85	159262	12.5	13.1	
131 4-Nitroquinoline-1-oxide	190	9.560	9.560	0.000	78	96055	12.5	11.1	
S 67 Diallate	86				0		12.5	12.5	
140 Aramite Peak 1	185		9.686				ND	ND	
141 Aramite Peak 2	185		9.709				ND	ND	
143 Aramite Peak 3	185		9.750				ND	ND	
134 Octachlorostyrene	308	9.776	9.776	0.000	90	134527	12.5	12.4	
135 Isodrin	193	9.817	9.817	0.000	92	172571	12.5	11.9	
144 Aramite Peak 4	185		9.825				ND	ND	
136 Fluoranthene	202	9.957	9.957	0.000	97	1575551	12.5	13.1	
137 Benzidine	184	10.091	10.091	0.000	99	843114	12.5	11.8	
* 138 Pyrene-d10 (IS)	212	10.155	10.155	0.000	98	547418	5.00	5.00	
139 Pyrene	202	10.172	10.178	-0.006	98	1675632	12.5	12.6	
147 Famphur	218		10.330				ND	ND	
145 p-Dimethylamino azobenzene	225	10.475	10.476	-0.001	90	294636	12.5	12.5	
146 Chlorobenzilate	139	10.528	10.528	0.000	97	387085	12.5	12.8	
148 3,3'-Dimethylbenzidine	212	10.831	10.831	0.000	99	813428	12.5	11.6	
150 Butyl benzyl phthalate	149	10.854	10.860	-0.006	95	597324	12.5	13.8	
151 2-Acetylaminofluorene	181	11.105	11.105	0.000	93	454408	12.5	12.7	
153 3,3'-Dichlorobenzidine	252	11.449	11.449	0.000	72	578557	12.5	12.9	
154 4,4'-Methylene bis(2-chloroanil	231	11.455	11.461	-0.006	96	316303	12.5	13.2	
152 Benzo[a]anthracene	228	11.466	11.466	0.000	97	1662591	12.5	13.9	
155 Chrysene	228	11.507	11.513	-0.006	96	1649342	12.5	13.3	
156 Bis(2-ethylhexyl) phthalate	149	11.542	11.542	0.000	97	762412	12.5	15.6	E
157 6-Methylchrysene	242	12.090	12.090	0.000	98	1040810	12.5	12.8	
158 Di-n-octyl phthalate	149	12.422	12.422	0.000	100	1090756	12.5	15.6	E

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Benzo[b]fluoranthene	252	12.889	12.889	-0.001	96	1593919	12.5	13.6	
160 7,12-Dimethylbenz(a)anthracene	256	12.889	12.889	-0.001	70	644068	12.5	13.6	
161 Benzo[k]fluoranthene	252	12.929	12.929	0.000	97	1581994	12.5	13.3	
162 Benzo[a]pyrene	252	13.355	13.355	0.000	75	1360637	12.5	14.6	
* 163 Perylene-d12	264	13.436	13.431	0.005	99	446400	5.00	5.00	
164 3-Methylcholanthrene	268	13.874	13.874	0.000	89	647080	12.5	12.8	
165 Dibenz[a,h]acridine	279	14.672	14.672	0.000	90	1023009	12.5	14.2	
166 Dibenz[a,j]acridine	279	14.736	14.736	0.000	96	1257862	12.5	15.2	
167 Indeno[1,2,3-cd]pyrene	276	14.975	14.975	0.000	97	1136461	12.5	13.9	
168 Dibenz(a,h)anthracene	278	15.016	15.016	0.000	90	1306052	12.5	13.5	
169 Benzo[g,h,i]perylene	276	15.360	15.360	0.000	97	1322989	12.5	13.1	
S 170 Aramite, Total	185		44.000				12.5	ND	7
S 177 Isosafrole	162				0		12.5	10.7	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00018 Amount Added: 1.00 Units: mL

Report Date: 08-Nov-2022 08:54:17 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0711.D

Injection Date: 07-Nov-2022 22:28:30 Instrument ID: HP19760 Operator ID: kel10217

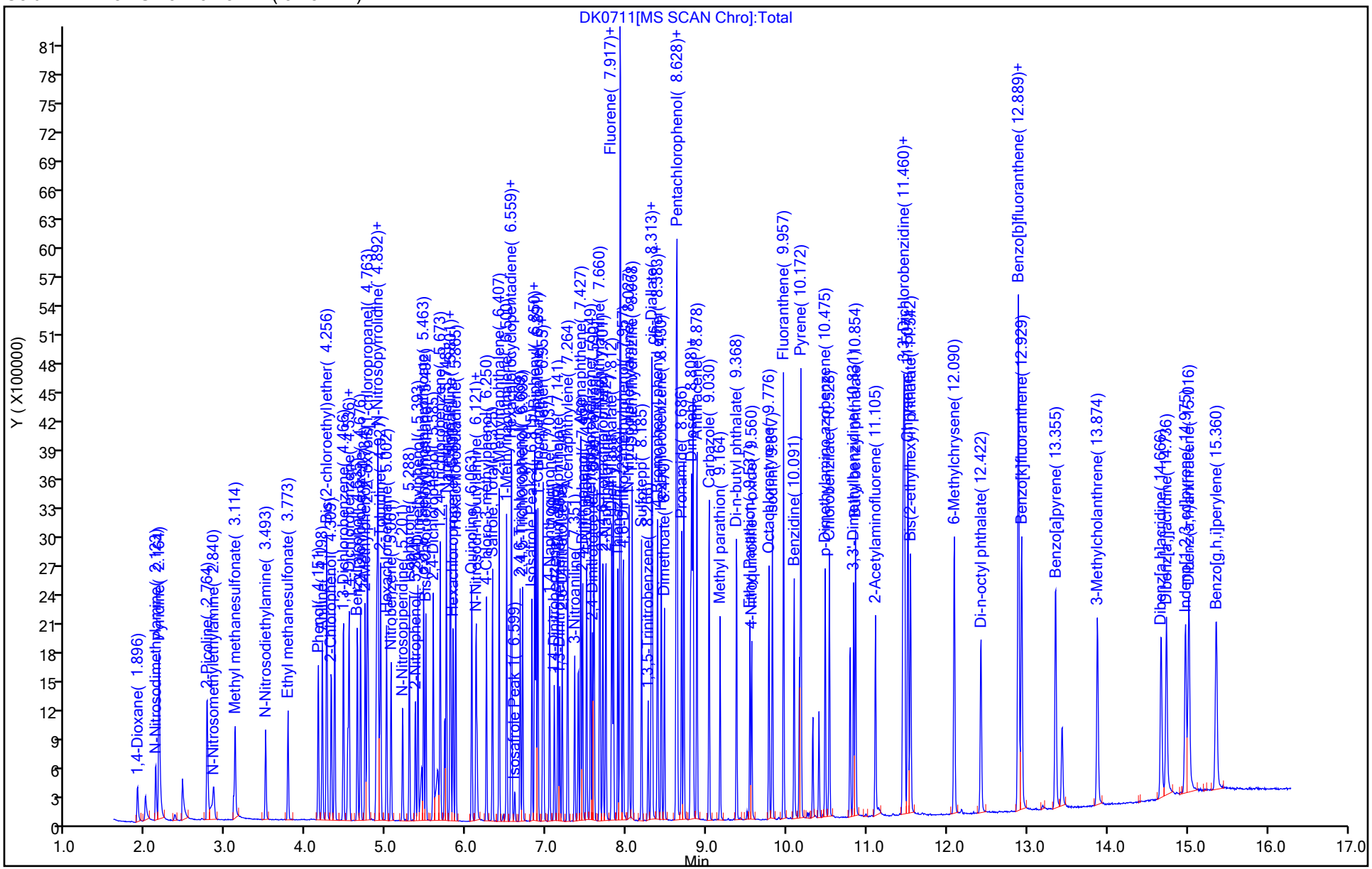
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-314883/12 Calibration Date: 11/07/2022 22:28

Instrument ID: HP19760 Calib Start Date: 11/07/2022 18:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/07/2022 21:25

Lab File ID: DK0711.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6472	0.6734		13.0	12.5	4.1	30.0
N-Nitrosodimethylamine	Ave	1.130	1.086		12.0	12.5	-3.9	30.0
Pyridine	Ave	1.728	1.734		25.0	25.0	0.3	30.0
2-Picoline	Ave	1.714	1.794		13.0	12.5	4.6	30.0
N-Nitrosomethylethylamine	Ave	0.7645	0.7542		12.0	12.5	-1.4	30.0
Methyl methanesulfonate	Ave	1.016	1.056		13.0	12.5	3.9	30.0
N-Nitrosodiethylamine	Ave	0.6813	0.7121		13.0	12.5	4.5	30.0
Ethyl methanesulfonate	Ave	0.7461	0.7198		12.0	12.5	-3.5	30.0
Phenol	Ave	1.898	1.922	0.8000	13.0	12.5	1.3	30.0
Aniline	Ave	2.246	2.356		13.0	12.5	4.9	30.0
Bis(2-chloroethyl)ether	Ave	1.527	1.593	0.7000	13.0	12.5	4.3	30.0
2-Chlorophenol	Ave	1.232	1.303	0.8000	13.0	12.5	5.8	30.0
1,3-Dichlorobenzene	Ave	1.472	1.518		13.0	12.5	3.1	30.0
1,4-Dichlorobenzene	Ave	1.495	1.540		13.0	12.5	3.0	30.0
Benzyl alcohol	Ave	0.9097	0.9161		13.0	12.5	0.7	30.0
1,2-Dichlorobenzene	Ave	1.405	1.460		13.0	12.5	3.9	30.0
2-Methylphenol	Ave	1.242	1.297	0.7000	13.0	12.5	4.4	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.790	1.729	0.0100	12.0	12.5	-3.4	30.0
N-Nitrosopyrrolidine	Ave	0.7093	0.7551		13.0	12.5	6.5	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.344	1.352	0.6000	13.0	12.5	0.6	30.0
N-Nitrosodi-n-propylamine	Ave	1.252	1.330	0.5000	13.0	12.5	6.2	30.0
Acetophenone	Ave	2.109	2.224	0.0100	13.0	12.5	5.5	30.0
N-Nitrosomorpholine	Ave	0.9258	0.9193		12.0	12.5	-0.7	30.0
o-Toluidine	Ave	2.272	2.435		13.0	12.5	7.2	30.0
Hexachloroethane	Ave	0.6406	0.6281	0.3000	12.0	12.5	-2.0	30.0
Nitrobenzene	Ave	0.5355	0.5036	0.2000	12.0	12.5	-6.0	30.0
N-Nitrosopiperidine	Ave	0.1930	0.1892		12.0	12.5	-2.0	30.0
Isophorone	Ave	0.8746	0.8711	0.4000	12.0	12.5	-0.4	30.0
2-Nitrophenol	Ave	0.1731	0.1798	0.1000	13.0	12.5	3.8	30.0
2,4-Dimethylphenol	Ave	0.4140	0.3880	0.2000	12.0	12.5	-6.3	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.2257	0.2159		12.0	12.5	-4.4	30.0
Bis(2-chloroethoxy)methane	Ave	0.5396	0.5262	0.3000	12.0	12.5	-2.5	30.0
2,4-Dichlorophenol	Ave	0.3122	0.3175	0.2000	13.0	12.5	1.7	30.0
1,2,4-Trichlorobenzene	Ave	0.3881	0.3828		12.0	12.5	-1.4	30.0
Naphthalene	Ave	1.066	1.059	0.7000	12.0	12.5	-0.7	30.0
4-Chloroaniline	Ave	0.4179	0.4363	0.0100	13.0	12.5	4.4	30.0
2,6-Dichlorophenol	Ave	0.3108	0.3281		13.0	12.5	5.6	30.0
Hexachloropropene	Ave	0.3121	0.3046		12.0	12.5	-2.4	30.0
Hexachlorobutadiene	Ave	0.2672	0.2728	0.0100	13.0	12.5	2.1	30.0
Quinoline	Ave	0.6533	0.6851		13.0	12.5	4.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-314883/12 Calibration Date: 11/07/2022 22:28

Instrument ID: HP19760 Calib Start Date: 11/07/2022 18:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/07/2022 21:25

Lab File ID: DK0711.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodi-n-butylamine	Ave	0.4025	0.3273		10.0	12.5	-18.7	30.0
1,4-phenylenediamine	Ave	0.3674	0.2541			12.5	-30.8*	30.0
4-Chloro-3-methylphenol	Ave	0.3405	0.3479	0.2000	13.0	12.5	2.2	30.0
Safrole, Total	Ave	0.2901	0.2791		12.0	12.5	-3.8	30.0
2-Methylnaphthalene	Ave	0.6630	0.7110	0.4000	13.0	12.5	7.2	30.0
1-Methylnaphthalene	Ave	0.6722	0.6560		12.0	12.5	-2.4	30.0
Hexachlorocyclopentadiene	Ave	0.5579	0.4758	0.0500	11.0	12.5	-14.7	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7638	0.7533	0.0100	12.0	12.5	-1.4	30.0
Isosafrole Peak 1	Ave	0.5211	0.4931		1.40	1.50	-5.4	30.0
2,4,6-Trichlorophenol	Ave	0.4161	0.4161	0.2000	13.0	12.5	0.0	30.0
2,4,5-Trichlorophenol	Ave	0.4534	0.4618	0.2000	13.0	12.5	1.9	30.0
Isosafrole Peak 2	Ave	0.6029	0.5075		9.30	11.0	-15.8	30.0
1,1'-Biphenyl	Ave	1.531	1.486	0.0100	12.0	12.5	-3.0	30.0
2-Chloronaphthalene	Ave	1.190	1.148	0.8000	12.0	12.5	-3.5	30.0
1-Chloronaphthalene	Ave	1.158	1.130		12.0	12.5	-2.4	30.0
Diphenyl ether	Ave	0.8707	0.8287		12.0	12.5	-4.8	30.0
2-Nitroaniline	Ave	0.3024	0.3291	0.0100	14.0	12.5	8.8	30.0
1,4-Naphthoquinone	Ave	0.4198	0.4317		13.0	12.5	2.8	30.0
1,4-Dinitrobenzene	Ave	0.1748	0.1863		13.0	12.5	6.6	30.0
Dimethyl phthalate	Ave	1.311	1.293	0.0100	12.0	12.5	-1.4	30.0
1,3-Dinitrobenzene	Ave	0.2001	0.2064		13.0	12.5	3.1	30.0
2,6-Dinitrotoluene	Ave	0.2875	0.2985	0.2000	13.0	12.5	3.8	30.0
Acenaphthylene	Ave	1.640	1.723	0.9000	13.0	12.5	5.1	30.0
3-Nitroaniline	Ave	0.2663	0.2907	0.0100	14.0	12.5	9.2	30.0
Acenaphthene	Ave	1.187	1.169	0.9000	12.0	12.5	-1.5	30.0
2,4-Dinitrophenol	Ave	0.1954	0.2066	0.0100	26.0	25.0	5.7	30.0
4-Nitrophenol	Ave	0.2036	0.2193	0.0100	27.0	25.0	7.7	30.0
Pentachlorobenzene	Ave	0.6459	0.6428		12.0	12.5	-0.5	30.0
2,4-Dinitrotoluene	Ave	0.3690	0.3878	0.2000	13.0	12.5	5.1	30.0
Dibenzofuran	Ave	1.725	1.682	0.8000	12.0	12.5	-2.5	30.0
1-Naphthylamine	Ave	1.035	1.081		13.0	12.5	4.5	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.4185	0.4599	0.0100	14.0	12.5	9.9	30.0
2-Naphthylamine	Ave	1.142	1.190		13.0	12.5	4.2	30.0
Diethyl phthalate	Ave	1.267	1.272	0.0100	13.0	12.5	0.4	30.0
Thionazin	Ave	0.2163	0.2043		12.0	12.5	-5.5	30.0
Fluorene	Ave	1.370	1.380	0.9000	13.0	12.5	0.8	30.0
4-Chlorophenyl-phenyl ether	Ave	0.7546	0.7813	0.4000	13.0	12.5	3.5	30.0
5-Nitro-o-toluidine	Ave	0.3337	0.3559		13.0	12.5	6.6	30.0
4-Nitroaniline	Ave	0.2903	0.3098	0.0100	13.0	12.5	6.7	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1285	0.1399	0.0100	27.0	25.0	8.8	30.0
N-Nitrosodiphenylamine	Ave	0.5493	0.5721	0.0100	11.0	10.6	4.2	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-314883/12 Calibration Date: 11/07/2022 22:28

Instrument ID: HP19760 Calib Start Date: 11/07/2022 18:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/07/2022 21:25

Lab File ID: DK0711.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Diphenylhydrazine	Ave	0.8230	0.8703		13.0	12.5	5.7	30.0
Sulfotepp	Ave	0.1222	0.1217		12.0	12.5	-0.5	30.0
1,3,5-Trinitrobenzene	Lin2		0.0777			12.5	-0.7	30.0
cis-Diallate	Ave	0.3357	0.3306		9.20	9.38	-1.5	30.0
Phorate	Ave	0.4702	0.4945		13.0	12.5	5.2	30.0
Phenacetin	Ave	0.2953	0.3186		13.0	12.5	7.9	30.0
4-Bromophenyl-phenylether	Ave	0.2405	0.2448	0.1000	13.0	12.5	1.8	30.0
trans-Diallate	Ave	0.3397	0.3553		3.30	3.13	4.6	30.0
Hexachlorobenzene	Ave	0.2730	0.2690	0.1000	12.0	12.5	-1.5	30.0
Dimethoate	Ave	0.2723	0.2811		13.0	12.5	3.2	30.0
Pentachlorophenol	Ave	0.1532	0.1676	0.0500	27.0	25.0	9.4	30.0
4-Aminobiphenyl	Ave	0.7535	0.7634		13.0	12.5	1.3	30.0
Pentachloronitrobenzene	Ave	0.1152	0.1153		13.0	12.5	0.1	30.0
Pronamide	Ave	0.2781	0.3028		14.0	12.5	8.9	30.0
Dinoseb	Lin2		0.1896		12.0	12.5	-1.7	30.0
Disulfoton	Ave	0.4749	0.4585		12.0	12.5	-3.5	30.0
Phenanthrene	Ave	1.063	1.068	0.7000	13.0	12.5	0.5	30.0
Anthracene	Ave	1.032	1.073	0.7000	13.0	12.5	3.9	30.0
Carbazole	Ave	0.8800	0.9115	0.0100	13.0	12.5	3.6	30.0
Methyl parathion	Lin2		0.1986		12.0	12.5	-4.4	30.0
Di-n-butyl phthalate	Ave	0.9437	1.010	0.0100	13.0	12.5	7.1	30.0
Parathion	Ave	0.1166	0.1219		13.0	12.5	4.5	30.0
4-Nitroquinoline-1-oxide	Lin2		0.0735		11.0	12.5	-11.2	30.0
Octachlorostyrene	Ave	0.1041	0.1029		12.0	12.5	-1.1	30.0
Isodrin	Ave	0.1385	0.1321		12.0	12.5	-4.7	30.0
Fluoranthene	Ave	1.148	1.206	0.6000	13.0	12.5	5.1	30.0
Benzidine	Ave	0.6548	0.6161		12.0	12.5	-5.9	30.0
Pyrene	Ave	1.214	1.224	0.6000	13.0	12.5	0.9	30.0
p-Dimethylamino azobenzene	Lin1		0.2153		13.0	12.5	0.4	30.0
Chlorobenzilate	Ave	0.2762	0.2828		13.0	12.5	2.4	30.0
3,3'-Dimethylbenzidine	Ave	0.6384	0.5944		12.0	12.5	-6.9	30.0
Butylbenzylphthalate	Ave	0.3957	0.4365	0.0100	14.0	12.5	10.3	30.0
2-Acetylaminofluorene	Ave	0.3274	0.3320		13.0	12.5	1.4	30.0
3,3'-Dichlorobenzidine	Ave	0.4084	0.4228	0.0100	13.0	12.5	3.5	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2194	0.2311		13.0	12.5	5.3	30.0
Benzo[a]anthracene	Ave	1.094	1.215	0.8000	14.0	12.5	11.0	30.0
Chrysene	Ave	1.132	1.205	0.7000	13.0	12.5	6.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.4455	0.5571	0.0100	16.0	12.5	25.0	30.0
6-Methylchrysene	Ave	0.7415	0.7605		13.0	12.5	2.6	30.0
Di-n-octyl phthalate	Ave	0.7819	0.9774	0.0100	16.0	12.5	25.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-314883/12 Calibration Date: 11/07/2022 22:28

Instrument ID: HP19760 Calib Start Date: 11/07/2022 18:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/07/2022 21:25

Lab File ID: DK0711.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
7,12-Dimethylbenz(a)anthrace ne	Ave	0.5303	0.5771		14.0	12.5	8.8	30.0
Benzo[b]fluoranthene	Ave	1.316	1.428	0.7000	14.0	12.5	8.5	30.0
Benzo[k]fluoranthene	Ave	1.333	1.418	0.7000	13.0	12.5	6.4	30.0
Benzo[a]pyrene	Ave	1.041	1.219	0.7000	15.0	12.5	17.1	30.0
3-Methylcholanthrene	Ave	0.5644	0.5798		13.0	12.5	2.7	30.0
Dibenz[a,h]acridine	Ave	0.8097	0.9167		14.0	12.5	13.2	30.0
Dibenz[a,j]acridine	Ave	0.9270	1.127		15.0	12.5	21.6	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9176	1.018	0.5000	14.0	12.5	11.0	30.0
Dibenz(a,h)anthracene	Ave	1.083	1.170	0.4000	14.0	12.5	8.1	30.0
Benzo[g,h,i]perylene	Ave	1.127	1.185	0.5000	13.0	12.5	5.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0711.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 07-Nov-2022 22:28:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0070576-012
Operator ID: kel10217 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 08:52:42 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: W6XI Date: 08-Nov-2022 08:15:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.896	1.896	0.000	92	195800	12.5	13.0	
3 N-Nitrosodimethylamine	74	2.123	2.123	0.000	94	315709	12.5	12.0	
4 Pyridine	79	2.164	2.164	0.000	96	1008291	25.0	25.1	
6 2-Picoline	93	2.764	2.764	0.000	89	521487	12.5	13.1	
7 N-Nitrosomethylethylamine	88	2.846	2.846	0.000	93	219265	12.5	12.3	
8 Methyl methanesulfonate	80	3.114	3.114	0.000	86	306912	12.5	13.0	
11 N-Nitrosodiethylamine	102	3.493	3.493	0.000	95	207028	12.5	13.1	
12 Ethyl methanesulfonate	109	3.773	3.773	0.000	96	209288	12.5	12.1	
26 Indene	115		4.067				ND	ND	
18 Phenol	94	4.151	4.151	0.000	94	558926	12.5	12.7	
16 Aniline	93	4.198	4.204	-0.006	94	685087	12.5	13.1	
19 Bis(2-chloroethyl)ether	93	4.256	4.262	-0.006	94	463084	12.5	13.0	
20 2-Chlorophenol	128	4.315	4.315	0.000	92	378961	12.5	13.2	
21 1,3-Dichlorobenzene	146	4.466	4.466	0.000	93	441215	12.5	12.9	
* 22 1,4-Dichlorobenzene-d4	152	4.519	4.513	0.006	97	116297	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.536	4.536	0.000	89	447709	12.5	12.9	
25 Benzyl alcohol	108	4.635	4.641	-0.006	89	266355	12.5	12.6	
24 1,2-Dichlorobenzene	146	4.676	4.682	-0.006	92	424415	12.5	13.0	
27 2-Methylphenol	108	4.734	4.734	0.000	95	377111	12.5	13.1	
28 2,2'-oxybis[1-chloropropane]	45	4.775	4.775	0.000	91	502782	12.5	12.1	
45 Benzoic acid	105		4.819				ND	ND	
30 N-Nitrosopyrrolidine	100	4.874	4.874	0.000	88	219548	12.5	13.3	
35 4-Methylphenol	108	4.880	4.880	0.000	95	393192	12.5	12.6	
32 N-Nitrosodi-n-propylamine	70	4.892	4.892	0.000	84	386762	12.5	13.3	
31 Acetophenone	105	4.897	4.898	-0.001	95	646626	12.5	13.2	
33 N-Nitrosomorpholine	56	4.909	4.915	-0.006	85	267288	12.5	12.4	
34 2-Toluidine	106	4.927	4.927	0.000	95	707898	12.5	13.4	
36 Hexachloroethane	117	5.002	5.002	0.000	89	182617	12.5	12.3	
38 Nitrobenzene	77	5.061	5.061	0.000	84	531350	12.5	11.8	
39 N-Nitrosopiperidine	114	5.201	5.206	-0.005	84	199603	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
	40 Isophorone	82	5.288	5.288	0.000	96	919091	12.5	12.5	
	41 2-Nitrophenol	139	5.364	5.364	0.000	89	189657	12.5	13.0	
	42 2,4-Dimethylphenol	107	5.393	5.393	0.000	98	409403	12.5	11.7	
	43 o,o',o''-Triethylphosphorothioat	198	5.469	5.469	0.000	81	227773	12.5	12.0	
	44 Bis(2-chloroethoxy)methane	93	5.492	5.492	0.000	98	555177	12.5	12.2	
	47 2,4-Dichlorophenol	162	5.585	5.585	0.000	96	334974	12.5	12.7	
	48 1,2,4-Trichlorobenzene	180	5.673	5.673	0.000	91	403892	12.5	12.3	
*	49 Naphthalene-d8	136	5.731	5.725	0.006	99	422027	5.00	5.00	
	50 Naphthalene	128	5.748	5.749	-0.001	98	1117232	12.5	12.4	
	52 4-Chloroaniline	127	5.795	5.795	0.000	93	460353	12.5	13.1	
	53 2,6-Dichlorophenol	162	5.801	5.807	-0.006	94	346125	12.5	13.2	
	54 Hexachloropropene	213	5.830	5.836	-0.006	87	321415	12.5	12.2	
	55 Hexachlorobutadiene	225	5.865	5.865	0.000	94	287852	12.5	12.8	
	56 Quinoline	129	6.063	6.063	0.000	95	722812	12.5	13.1	
	59 N-Nitrosodi-n-butylamine	84	6.121	6.122	-0.001	91	345335	12.5	10.2	
	58 p-Phenylene diamine	108	6.133	6.133	0.000	94	268046	12.5	8.64	7a
	60 4-Chloro-3-methylphenol	107	6.250	6.250	0.000	91	367098	12.5	12.8	
	61 Safrole, Total	162	6.325	6.326	-0.001	87	294504	12.5	12.0	
	62 2-Methylnaphthalene	142	6.407	6.407	0.000	92	750167	12.5	13.4	
	63 1-Methylnaphthalene	142	6.500	6.500	0.000	93	692163	12.5	12.2	
	64 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	94	314771	12.5	10.7	
	65 1,2,4,5-Tetrachlorobenzene	216	6.564	6.565	-0.001	96	498293	12.5	12.3	
	66 Isosafrole Peak 1	162	6.605	6.605	0.000	86	39139	1.50	1.42	
	68 2,4,6-Trichlorophenol	196	6.669	6.669	0.000	92	275232	12.5	12.5	
	69 2,4,5-Trichlorophenol	196	6.698	6.704	-0.006	93	305480	12.5	12.7	
	71 Isosafrole Peak 2	162	6.815	6.815	0.000	89	295443	11.0	9.26	
	77 1,1'-Biphenyl	154	6.850	6.856	-0.006	95	982674	12.5	12.1	
	78 2-Chloronaphthalene	162	6.868	6.873	-0.005	95	759089	12.5	12.1	
	79 1-Chloronaphthalene	162	6.891	6.891	0.000	98	747807	12.5	12.2	
	80 Phenyl ether	170	6.955	6.955	0.000	87	548155	12.5	11.9	
	81 2-Nitroaniline	138	6.961	6.967	-0.006	77	217713	12.5	13.6	
	82 1,4-Naphthoquinone	158	7.037	7.037	0.000	80	285575	12.5	12.9	
	83 1,4-Dinitrobenzene	168	7.095	7.101	-0.006	84	123265	12.5	13.3	
	84 Dimethyl phthalate	163	7.141	7.142	-0.001	97	855110	12.5	12.3	
	85 1,3-Dinitrobenzene	168	7.165	7.165	0.000	83	136522	12.5	12.9	
	86 2,6-Dinitrotoluene	165	7.194	7.194	0.000	90	197475	12.5	13.0	
	87 Acenaphthylene	152	7.264	7.264	0.000	99	1140033	12.5	13.1	
	88 3-Nitroaniline	138	7.351	7.351	0.000	86	192311	12.5	13.6	
*	89 Acenaphthene-d10	164	7.398	7.392	0.006	94	264601	5.00	5.00	
	90 Acenaphthene	153	7.427	7.427	0.000	96	773176	12.5	12.3	
	91 2,4-Dinitrophenol	184	7.450	7.450	0.000	85	273314	25.0	26.4	
	93 4-Nitrophenol	109	7.497	7.497	0.000	83	290106	25.0	26.9	
	92 Pentachlorobenzene	250	7.549	7.550	-0.001	98	425189	12.5	12.4	
	95 2,4-Dinitrotoluene	165	7.573	7.573	0.000	88	256506	12.5	13.1	
	94 Dibenzofuran	168	7.590	7.590	0.000	97	1112895	12.5	12.2	
	96 1-Naphthylamine	143	7.666	7.666	0.000	98	715042	12.5	13.1	
	97 2,3,4,6-Tetrachlorophenol	232	7.701	7.701	0.000	70	304215	12.5	13.7	
	98 2-Naphthylamine	143	7.742	7.742	0.000	95	787472	12.5	13.0	
	99 Diethyl phthalate	149	7.812	7.812	0.000	98	841689	12.5	12.6	
	101 Thionazin	107	7.888	7.888	0.000	78	135146	12.5	11.8	
	100 Fluorene	166	7.917	7.917	0.000	92	912952	12.5	12.6	
	102 4-Chlorophenyl phenyl ether	204	7.923	7.923	-0.001	89	516846	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
103 N-Nitro-o-toluidine	152	7.923	7.923	-0.001	82	235412	12.5	13.3	
104 4-Nitroaniline	138	7.928	7.928	0.000	76	204913	12.5	13.3	
105 4,6-Dinitro-2-methylphenol	198	7.957	7.958	-0.001	86	365583	25.0	27.2	
106 N-Nitrosodiphenylamine	169	8.027	8.028	-0.001	76	635485	10.6	11.1	
107 1,2-Diphenylhydrazine	77	8.068	8.068	0.000	41	1137307	12.5	13.2	
109 Sulfotepp	97	8.185	8.185	0.000	78	159005	12.5	12.4	
110 1,3,5-Trinitrobenzene	213	8.266	8.266	0.000	83	101598	12.5	12.4	
111 cis-Diallate	86	8.307	8.307	0.000	0	323984	9.38	9.23	
112 Phorate	75	8.313	8.313	0.000	95	646239	12.5	13.1	
113 Phenacetin	108	8.319	8.319	0.000	89	416365	12.5	13.5	
114 4-Bromophenyl phenyl ether	248	8.383	8.383	0.000	64	319910	12.5	12.7	
115 trans-Diallate	86	8.389	8.395	-0.006	0	116063	3.13	3.27	
116 Hexachlorobenzene	284	8.430	8.436	-0.006	96	351508	12.5	12.3	
117 Dimethoate	87	8.470	8.470	0.000	97	367354	12.5	12.9	
119 Pentachlorophenol	266	8.616	8.616	0.000	93	438147	25.0	27.4	
121 4-Aminobiphenyl	169	8.628	8.628	0.000	91	997631	12.5	12.7	
120 Pentachloronitrobenzene	237	8.628	8.634	-0.006	88	150727	12.5	12.5	
122 Pronamide	173	8.686	8.686	0.000	90	395676	12.5	13.6	
125 Dinoseb	211	8.797	8.797	0.000	96	247743	12.5	12.3	
* 123 Phenanthrene-d10	188	8.803	8.803	0.000	98	522723	5.00	5.00	
126 Disulfoton	88	8.814	8.814	0.000	96	599225	12.5	12.1	
124 Phenanthrene	178	8.826	8.826	0.000	97	1395866	12.5	12.6	
127 Anthracene	178	8.878	8.878	0.000	97	1402107	12.5	13.0	
128 Carbazole	167	9.030	9.030	0.000	96	1191202	12.5	12.9	
129 Methyl parathion	109	9.164	9.164	0.000	93	259506	12.5	11.9	
130 Di-n-butyl phthalate	149	9.368	9.374	-0.006	100	1320522	12.5	13.4	
132 Ethyl Parathion	109	9.537	9.537	0.000	85	159262	12.5	13.1	
131 4-Nitroquinoline-1-oxide	190	9.560	9.560	0.000	78	96055	12.5	11.1	
S 67 Diallate	86				0		12.5	12.5	
140 Aramite Peak 1	185		9.686				ND	ND	
141 Aramite Peak 2	185		9.709				ND	ND	
143 Aramite Peak 3	185		9.750				ND	ND	
134 Octachlorostyrene	308	9.776	9.776	0.000	90	134527	12.5	12.4	
135 Isodrin	193	9.817	9.817	0.000	92	172571	12.5	11.9	
144 Aramite Peak 4	185		9.825				ND	ND	
136 Fluoranthene	202	9.957	9.957	0.000	97	1575551	12.5	13.1	
137 Benzidine	184	10.091	10.091	0.000	99	843114	12.5	11.8	
* 138 Pyrene-d10 (IS)	212	10.155	10.155	0.000	98	547418	5.00	5.00	
139 Pyrene	202	10.172	10.178	-0.006	98	1675632	12.5	12.6	
147 Famphur	218		10.330				ND	ND	
145 p-Dimethylamino azobenzene	225	10.475	10.476	-0.001	90	294636	12.5	12.5	
146 Chlorobenzilate	139	10.528	10.528	0.000	97	387085	12.5	12.8	
148 3,3'-Dimethylbenzidine	212	10.831	10.831	0.000	99	813428	12.5	11.6	
150 Butyl benzyl phthalate	149	10.854	10.860	-0.006	95	597324	12.5	13.8	
151 2-Acetylaminofluorene	181	11.105	11.105	0.000	93	454408	12.5	12.7	
153 3,3'-Dichlorobenzidine	252	11.449	11.449	0.000	72	578557	12.5	12.9	
154 4,4'-Methylene bis(2-chloroanil	231	11.455	11.461	-0.006	96	316303	12.5	13.2	
152 Benzo[a]anthracene	228	11.466	11.466	0.000	97	1662591	12.5	13.9	
155 Chrysene	228	11.507	11.513	-0.006	96	1649342	12.5	13.3	
156 Bis(2-ethylhexyl) phthalate	149	11.542	11.542	0.000	97	762412	12.5	15.6	E
157 6-Methylchrysene	242	12.090	12.090	0.000	98	1040810	12.5	12.8	
158 Di-n-octyl phthalate	149	12.422	12.422	0.000	100	1090756	12.5	15.6	E

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Benzo[b]fluoranthene	252	12.889	12.889	-0.001	96	1593919	12.5	13.6	
160 7,12-Dimethylbenz(a)anthracene	256	12.889	12.889	-0.001	70	644068	12.5	13.6	
161 Benzo[k]fluoranthene	252	12.929	12.929	0.000	97	1581994	12.5	13.3	
162 Benzo[a]pyrene	252	13.355	13.355	0.000	75	1360637	12.5	14.6	
* 163 Perylene-d12	264	13.436	13.431	0.005	99	446400	5.00	5.00	
164 3-Methylcholanthrene	268	13.874	13.874	0.000	89	647080	12.5	12.8	
165 Dibenz[a,h]acridine	279	14.672	14.672	0.000	90	1023009	12.5	14.2	
166 Dibenz[a,j]acridine	279	14.736	14.736	0.000	96	1257862	12.5	15.2	
167 Indeno[1,2,3-cd]pyrene	276	14.975	14.975	0.000	97	1136461	12.5	13.9	
168 Dibenz(a,h)anthracene	278	15.016	15.016	0.000	90	1306052	12.5	13.5	
169 Benzo[g,h,i]perylene	276	15.360	15.360	0.000	97	1322989	12.5	13.1	
S 170 Aramite, Total	185		44.000				12.5	ND	7
S 177 Isosafrole	162				0		12.5	10.7	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00018 Amount Added: 1.00 Units: mL

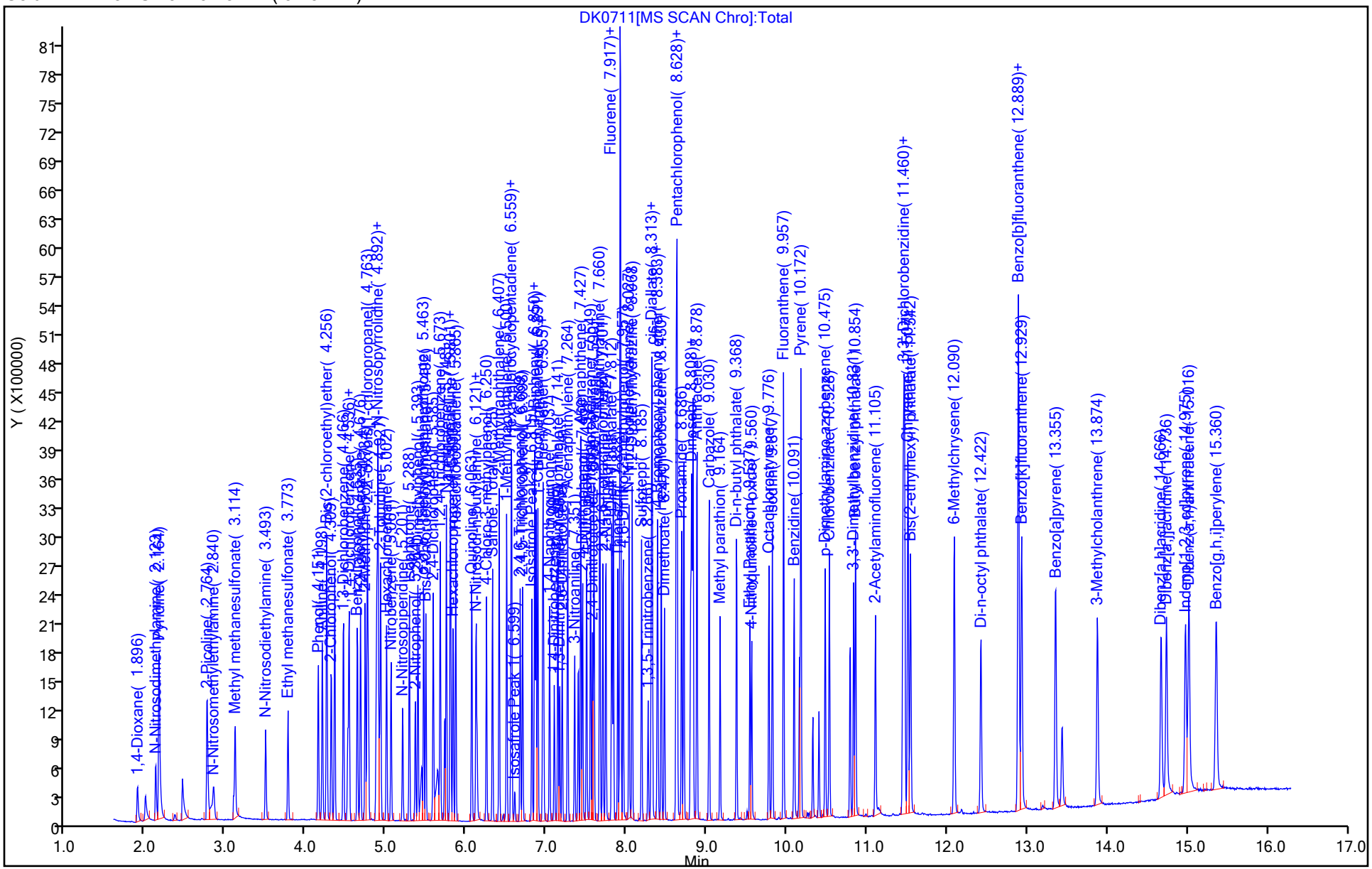
Report Date: 08-Nov-2022 08:54:17 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0711.D

Injection Date:	07-Nov-2022 22:28:30	Instrument ID:	HP19760	Operator ID:	kel10217
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

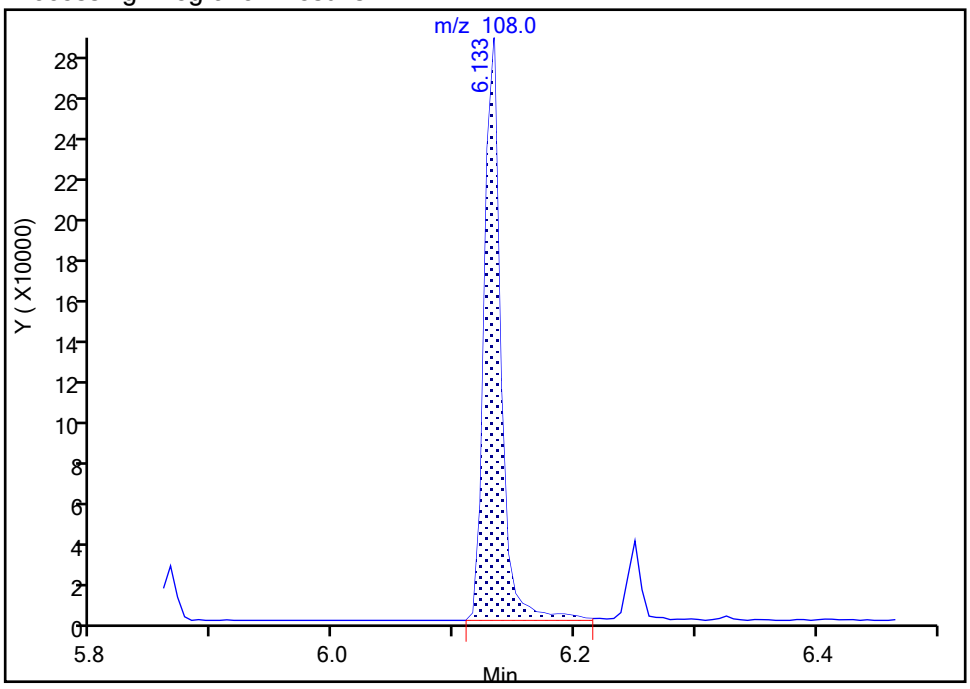
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0711.D				
Injection Date:	07-Nov-2022 22:28:30	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

58 p-Phenylene diamine, CAS: 106-50-3

Signal: 1

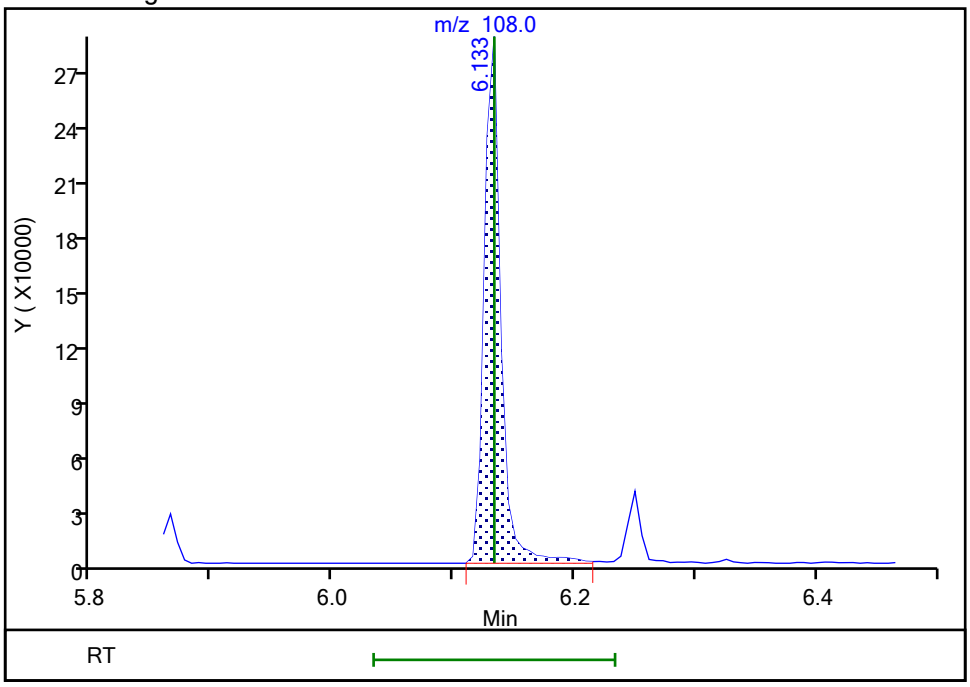
Processing Integration Results

RT: 6.13
Area: 268046
Amount: 8.643886
Amount Units: ug/ml



Manual Integration Results

RT: 6.13
Area: 268046
Amount: 8.643886
Amount Units: ug/ml



Reviewer: W6XI, 08-Nov-2022 08:13:43
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-314883/13 Calibration Date: 11/07/2022 22:48

Instrument ID: HP19760 Calib Start Date: 11/07/2022 18:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/07/2022 21:25

Lab File ID: DK0712.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.451	1.363	0.0100	12.0	12.5	-6.0	30.0
Caprolactam	Ave	0.0986	0.0850	0.0100	11.0	12.5	-13.8	30.0
Atrazine	Ave	0.2085	0.1860	0.0100	11.0	12.5	-10.8	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0712.D
Lims ID: ICV BAS
Client ID:
Sample Type: ICV
Inject. Date: 07-Nov-2022 22:48:30 ALS Bottle#: 12 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV BAS
Misc. Info.: 410-0070576-013
Operator ID: kel10217 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 11:26:19 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: W6XI Date: 08-Nov-2022 08:16:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
14 Benzaldehyde	77	4.105	4.111	-0.006	95	446440	12.5	11.7	
* 22 1,4-Dichlorobenzene-d4	152	4.519	4.525	-0.006	96	131012	5.00	5.00	
* 49 Naphthalene-d8	136	5.725	5.731	-0.006	100	454274	5.00	5.00	
57 Caprolactam	113	6.104	6.110	-0.006	82	96553	12.5	10.8	
* 89 Acenaphthene-d10	164	7.398	7.398	0.000	96	267638	5.00	5.00	
118 Atrazine	200	8.534	8.541	-0.007	94	258149	12.5	11.1	
* 123 Phenanthrene-d10	188	8.803	8.809	-0.006	97	555133	5.00	5.00	
* 138 Pyrene-d10 (IS)	212	10.155	10.161	-0.006	98	564610	5.00	5.00	
* 163 Perylene-d12	264	13.436	13.442	-0.006	99	436855	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVBAS_ICV_00011 Amount Added: 1.00 Units: mL

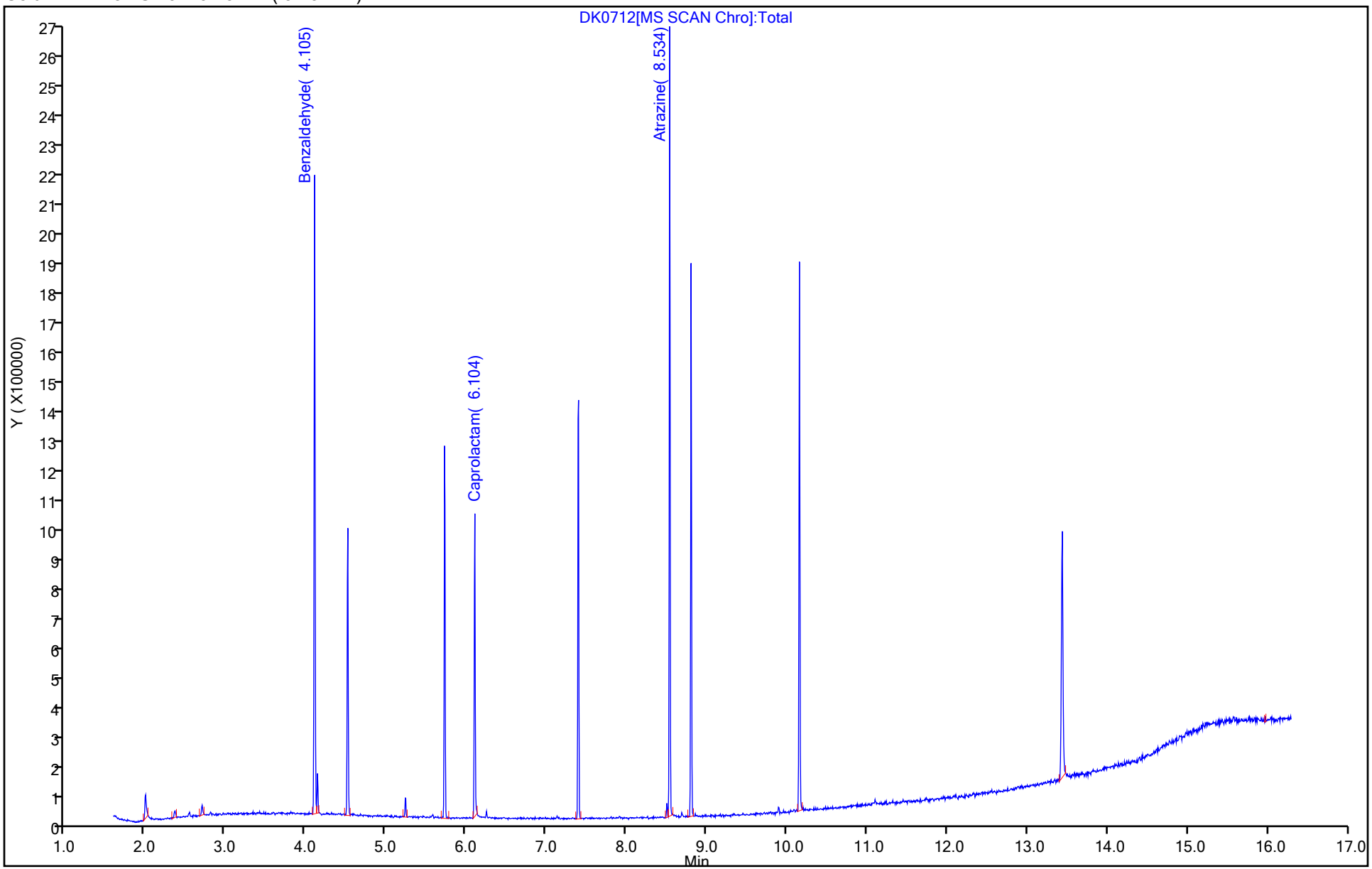
Report Date: 08-Nov-2022 11:26:19 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0712.D

Injection Date:	07-Nov-2022 22:48:30	Instrument ID:	HP19760	Operator ID:	kel10217
Lims ID:	ICV BAS			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-314883/14 Calibration Date: 11/07/2022 23:09

Instrument ID: HP19760 Calib Start Date: 11/07/2022 18:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/07/2022 21:25

Lab File ID: DK0713.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorocyclopentadiene	Ave	0.5579	0.5811	0.0500	100	100	4.1	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0713.D
Lims ID: ICV HCCPD
Client ID:
Sample Type: ICV
Inject. Date: 07-Nov-2022 23:09:30 ALS Bottle#: 13 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV HCCPD
Misc. Info.: 410-0070576-014
Operator ID: kel10217 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 08:52:42 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: W6XI Date: 08-Nov-2022 08:29:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.519	4.513	0.006	97	117125	20.0	20.0	
* 49 Naphthalene-d8	136	5.725	5.725	0.000	99	401710	20.0	20.0	
64 Hexachlorocyclopentadiene	237	6.553	6.559	-0.006	94	724511	100.0	104.1	E
* 89 Acenaphthene-d10	164	7.392	7.392	0.000	95	249366	20.0	20.0	
* 123 Phenanthrene-d10	188	8.803	8.803	0.000	96	507304	20.0	20.0	
* 138 Pyrene-d10 (IS)	212	10.155	10.155	0.000	98	521977	20.0	20.0	
* 163 Perylene-d12	264	13.436	13.431	0.005	99	391539	20.0	20.0	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Reagents:

MSS_FVICV_HCP_00009 Amount Added: 1.00 Units: mL

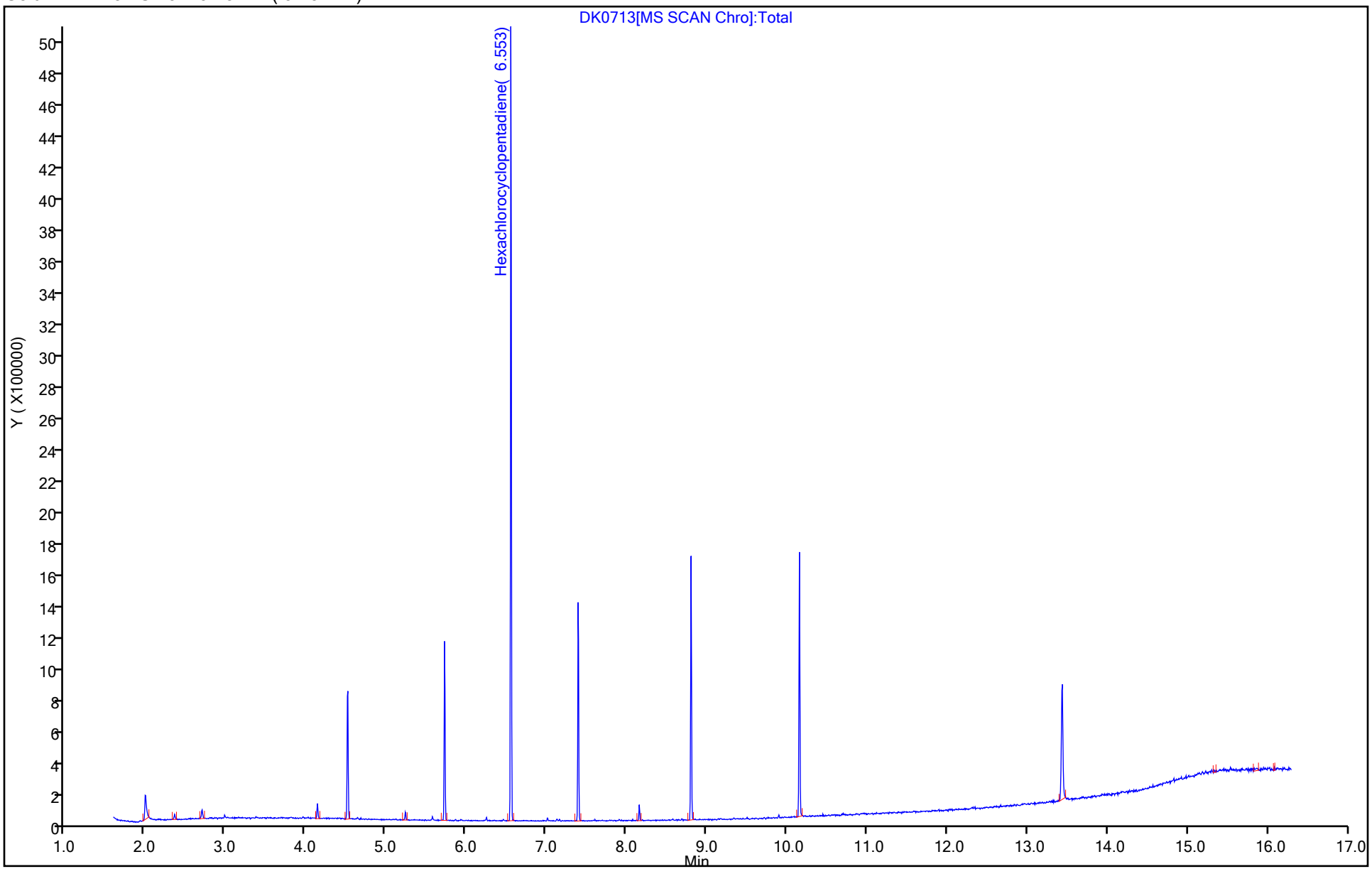
Report Date: 08-Nov-2022 08:54:25 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0713.D

Injection Date:	07-Nov-2022 23:09:30	Instrument ID:	HP19760	Operator ID:	kel10217
Lims ID:	ICV HCCPD			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: CCVIS 410-347567/2 Calibration Date: 02/23/2023 21:39

Instrument ID: HP19760 Calib Start Date: 11/07/2022 18:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/07/2022 21:25

Lab File ID: DB2351.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6472	0.6716		13.0	12.5	3.8	20.0
N-Nitrosodimethylamine	Ave	1.130	1.141		13.0	12.5	1.0	20.0
Pyridine	Ave	1.728	1.857		27.0	25.0	7.5	20.0
N,N-dimethylformamide	Ave	1.088	1.155		13.0	12.5	6.2	20.0
2-Picoline	Ave	1.714	1.821		13.0	12.5	6.2	20.0
N-Nitrosomethylethylamine	Ave	0.7645	0.8258		14.0	12.5	8.0	20.0
Methyl methanesulfonate	Ave	1.016	1.009		12.0	12.5	-0.7	20.0
N-Nitrosodiethylamine	Ave	0.6813	0.7782		14.0	12.5	14.2	20.0
Ethyl methanesulfonate	Ave	0.7461	0.8067		14.0	12.5	8.1	20.0
Benzaldehyde	Ave	1.451	1.264	0.0100	11.0	12.5	-12.8	20.0
Phenol	Ave	1.898	2.107	0.8000	14.0	12.5	11.0	20.0
Aniline	Ave	2.246	2.565		14.0	12.5	14.2	20.0
Bis(2-chloroethyl)ether	Ave	1.527	1.699	0.7000	14.0	12.5	11.3	20.0
2-Chlorophenol	Ave	1.232	1.360	0.8000	14.0	12.5	10.3	20.0
1,3-Dichlorobenzene	Ave	1.472	1.543		13.0	12.5	4.8	20.0
1,4-Dichlorobenzene	Ave	1.495	1.579		13.0	12.5	5.6	20.0
Benzyl alcohol	Ave	0.9097	1.038		14.0	12.5	14.1	20.0
1,2-Dichlorobenzene	Ave	1.405	1.490		13.0	12.5	6.1	20.0
2-Methylphenol	Ave	1.242	1.454	0.7000	15.0	12.5	17.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.790	1.707	0.0100	12.0	12.5	-4.6	20.0
N-Nitrosopyrrolidine	Ave	0.7093	0.8493		15.0	12.5	19.7	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.344	1.506	0.6000	14.0	12.5	12.1	20.0
Acetophenone	Ave	2.109	2.230	0.0100	13.0	12.5	5.7	20.0
N-Nitrosodi-n-propylamine	Ave	1.252	1.360	0.5000	14.0	12.5	8.6	20.0
N-Nitrosomorpholine	Ave	0.9258	0.7980		11.0	12.5	-13.8	20.0
o-Toluidine	Ave	2.272	2.550		14.0	12.5	12.3	20.0
Hexachloroethane	Ave	0.6406	0.6491	0.3000	13.0	12.5	1.3	20.0
Nitrobenzene	Ave	0.5355	0.5435	0.2000	13.0	12.5	1.5	20.0
N-Nitrosopiperidine	Ave	0.1930	0.2062		13.0	12.5	6.9	20.0
Isophorone	Ave	0.8746	0.9569	0.4000	14.0	12.5	9.4	20.0
2-Nitrophenol	Ave	0.1731	0.1961	0.1000	14.0	12.5	13.3	20.0
2,4-Dimethylphenol	Ave	0.4140	0.4193	0.2000	13.0	12.5	1.3	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.2257	0.2210		12.0	12.5	-2.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.5396	0.5812	0.3000	13.0	12.5	7.7	20.0
2,4-Dichlorophenol	Ave	0.3122	0.3372	0.2000	13.0	12.5	8.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3881	0.3924		13.0	12.5	1.1	20.0
Naphthalene	Ave	1.066	1.095	0.7000	13.0	12.5	2.7	20.0
a-Terpineol	Ave	0.3436	0.3495		13.0	12.5	1.7	20.0
4-Chloroaniline	Ave	0.4179	0.4669	0.0100	14.0	12.5	11.7	20.0
2,6-Dichlorophenol	Ave	0.3108	0.3338		13.0	12.5	7.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: CCVIS 410-347567/2 Calibration Date: 02/23/2023 21:39

Instrument ID: HP19760 Calib Start Date: 11/07/2022 18:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/07/2022 21:25

Lab File ID: DB2351.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.3121	0.2852		11.0	12.5	-8.6	20.0
Hexachlorobutadiene	Ave	0.2672	0.2432	0.0100	11.0	12.5	-9.0	20.0
Quinoline	Ave	0.6533	0.7052		13.0	12.5	7.9	20.0
Caprolactam	Ave	0.0986	0.1177	0.0100	15.0	12.5	19.4	20.0
N-Nitrosodi-n-butylamine	Ave	0.4025	0.4403		14.0	12.5	9.4	20.0
1,4-phenylenediamine	Ave	0.3674	0.3086			12.5	-16.0	20.0
4-Chloro-3-methylphenol	Ave	0.3405	0.3798	0.2000	14.0	12.5	11.6	20.0
Safrole, Total	Ave	0.2901	0.3100		13.0	12.5	6.8	20.0
2-Methylnaphthalene	Ave	0.6630	0.7178	0.4000	14.0	12.5	8.3	20.0
1-Methylnaphthalene	Ave	0.6722	0.6620		12.0	12.5	-1.5	20.0
Hexachlorocyclopentadiene	Ave	0.5579	0.4318	0.0500	9.70	12.5	-22.6*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7638	0.7533	0.0100	12.0	12.5	-1.4	20.0
Isosafrole Peak 1	Ave	0.5211	0.5853		2.20	2.00	12.3	20.0
2,4,6-Trichlorophenol	Ave	0.4161	0.4514	0.2000	14.0	12.5	8.5	20.0
2,4,5-Trichlorophenol	Ave	0.4534	0.4902	0.2000	14.0	12.5	8.1	20.0
Isosafrole Peak 2	Ave	0.6029	0.6351		11.0	10.5	5.3	20.0
1,1'-Biphenyl	Ave	1.531	1.567	0.0100	13.0	12.5	2.4	20.0
2-Chloronaphthalene	Ave	1.190	1.267	0.8000	13.0	12.5	6.5	20.0
1-Chloronaphthalene	Ave	1.158	1.117		12.0	12.5	-3.6	20.0
Diphenyl ether	Ave	0.8707	0.8550		12.0	12.5	-1.8	20.0
2-Nitroaniline	Ave	0.3024	0.3805	0.0100	16.0	12.5	25.8*	20.0
1,4-Naphthoquinone	Ave	0.4198	0.4928		15.0	12.5	17.4	20.0
1,4-Dinitrobenzene	Ave	0.1748	0.2108		15.0	12.5	20.6*	20.0
Dimethyl phthalate	Ave	1.311	1.398	0.0100	13.0	12.5	6.6	20.0
1,3-Dinitrobenzene	Ave	0.2001	0.2362		15.0	12.5	18.0	20.0
2,6-Dinitrotoluene	Ave	0.2875	0.3219	0.2000	14.0	12.5	12.0	20.0
Acenaphthylene	Ave	1.640	1.996	0.9000	15.0	12.5	21.7*	20.0
3-Nitroaniline	Ave	0.2663	0.3386	0.0100	16.0	12.5	27.2*	20.0
Acenaphthene	Ave	1.187	1.244	0.9000	13.0	12.5	4.8	20.0
2,4-Dinitrophenol	Ave	0.1954	0.2007	0.0100	26.0	25.0	2.7	20.0
4-Nitrophenol	Ave	0.2036	0.2139	0.0100	26.0	25.0	5.0	20.0
Pentachlorobenzene	Ave	0.6459	0.6473		13.0	12.5	0.2	20.0
2,4-Dinitrotoluene	Ave	0.3690	0.4440	0.2000	15.0	12.5	20.3*	20.0
Dibenzofuran	Ave	1.725	1.782	0.8000	13.0	12.5	3.3	20.0
1-Naphthylamine	Ave	1.035	1.148		14.0	12.5	11.0	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.4185	0.4360	0.0100	13.0	12.5	4.2	20.0
2-Naphthylamine	Ave	1.142	1.258		14.0	12.5	10.1	20.0
Diethyl phthalate	Ave	1.267	1.330	0.0100	13.0	12.5	4.9	20.0
Thionazin	Ave	0.2163	0.2530		15.0	12.5	17.0	20.0
Fluorene	Ave	1.370	1.442	0.9000	13.0	12.5	5.3	20.0
4-Chlorophenyl-phenyl ether	Ave	0.7546	0.7629	0.4000	13.0	12.5	1.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: CCVIS 410-347567/2 Calibration Date: 02/23/2023 21:39

Instrument ID: HP19760 Calib Start Date: 11/07/2022 18:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/07/2022 21:25

Lab File ID: DB2351.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	0.3337	0.4047		15.0	12.5	21.3*	20.0
4-Nitroaniline	Ave	0.2903	0.3393	0.0100	15.0	12.5	16.9	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1285	0.1338	0.0100	26.0	25.0	4.1	20.0
N-Nitrosodiphenylamine	Ave	0.5493	0.6019	0.0100	12.0	10.6	9.6	20.0
1,2-Diphenylhydrazine	Ave	0.8230	0.8582		13.0	12.5	4.3	20.0
Sulfotepp	Ave	0.1222	0.1299		13.0	12.5	6.3	20.0
1,3,5-Trinitrobenzene	Lin2		0.0870			12.5	10.6	20.0
cis-Diallate	Ave	0.3357	0.3528		9.70	9.25	5.1	20.0
Phorate	Ave	0.4702	0.5210		14.0	12.5	10.8	20.0
Phenacetin	Ave	0.2953	0.3786		16.0	12.5	28.2*	20.0
4-Bromophenyl-phenylether	Ave	0.2405	0.2357	0.1000	12.0	12.5	-2.0	20.0
trans-Diallate	Ave	0.3397	0.3601		3.40	3.25	6.0	20.0
Hexachlorobenzene	Ave	0.2730	0.2540	0.1000	12.0	12.5	-6.9	20.0
Dimethoate	Ave	0.2723	0.3383		16.0	12.5	24.2*	20.0
Atrazine	Ave	0.2085	0.2106	0.0100	13.0	12.5	1.0	20.0
Pentachlorophenol	Ave	0.1532	0.1572	0.0500	26.0	25.0	2.6	20.0
4-Aminobiphenyl	Ave	0.7535	0.8081		13.0	12.5	7.3	20.0
Pentachloronitrobenzene	Ave	0.1152	0.1073		12.0	12.5	-6.8	20.0
Pronamide	Ave	0.2781	0.3345		15.0	12.5	20.3*	20.0
Dinoseb	Lin2		0.2015		13.0	12.5	4.1	20.0
Disulfoton	Ave	0.4749	0.5328		14.0	12.5	12.2	20.0
Phenanthrene	Ave	1.063	1.044	0.7000	12.0	12.5	-1.8	20.0
Anthracene	Ave	1.032	1.069	0.7000	13.0	12.5	3.5	20.0
Carbazole	Ave	0.8800	0.9674	0.0100	14.0	12.5	9.9	20.0
Methyl parathion	Lin2		0.2452		15.0	12.5	16.9	20.0
Di-n-butyl phthalate	Ave	0.9437	1.073	0.0100	14.0	12.5	13.7	20.0
Parathion	Ave	0.1166	0.1489		16.0	12.5	27.7*	20.0
4-Nitroquinoline-1-oxide	Lin2		0.0753		11.0	12.5	-9.5	20.0
Octachlorostyrene	Ave	0.1041	0.0970		12.0	12.5	-6.7	20.0
Isodrin	Ave	0.1385	0.1258		11.0	12.5	-9.2	20.0
Fluoranthene	Ave	1.148	1.221	0.6000	13.0	12.5	6.4	20.0
Benzidine	Ave	0.6548	0.6655		38.0	37.5	1.6	20.0
Pyrene	Ave	1.214	1.190	0.6000	12.0	12.5	-2.0	20.0
p-Dimethylamino azobenzene	Lin1		0.2188		13.0	12.5	1.9	20.0
Chlorobenzilate	Ave	0.2762	0.3105		14.0	12.5	12.4	20.0
3,3'-Dimethylbenzidine	Ave	0.6384	0.7102		14.0	12.5	11.2	20.0
Butylbenzylphthalate	Ave	0.3957	0.4326	0.0100	14.0	12.5	9.3	20.0
2-Acetylaminofluorene	Ave	0.3274	0.3917		15.0	12.5	19.7	20.0
3,3'-Dichlorobenzidine	Ave	0.4084	0.4081	0.0100	12.0	12.5	-0.0	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2194	0.2266		13.0	12.5	3.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: CCVIS 410-347567/2 Calibration Date: 02/23/2023 21:39

Instrument ID: HP19760 Calib Start Date: 11/07/2022 18:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/07/2022 21:25

Lab File ID: DB2351.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.094	1.102	0.8000	13.0	12.5	0.7	20.0
Chrysene	Ave	1.132	1.038	0.7000	11.0	12.5	-8.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.4455	0.5884	0.0100	17.0	12.5	32.1*	20.0
6-Methylchrysene	Ave	0.7415	0.7543		13.0	12.5	1.7	20.0
Di-n-octyl phthalate	Ave	0.7819	1.144	0.0100	18.0	12.5	46.3*	20.0
7,12-Dimethylbenz(a)anthrace ne	Ave	0.5303	0.5998		14.0	12.5	13.1	20.0
Benzo[b]fluoranthene	Ave	1.316	1.318	0.7000	13.0	12.5	0.2	20.0
Benzo[k]fluoranthene	Ave	1.333	1.324	0.7000	12.0	12.5	-0.6	20.0
Benzo[a]pyrene	Ave	1.041	1.105	0.7000	13.0	12.5	6.2	20.0
3-Methylcholanthrene	Ave	0.5644	0.5918		13.0	12.5	4.9	20.0
Dibenz[a,h]acridine	Ave	0.8097	0.8875		14.0	12.5	9.6	20.0
Dibenz[a,j]acridine	Ave	0.9270	0.9706		13.0	12.5	4.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9176	0.9553	0.5000	13.0	12.5	4.1	20.0
Dibenz(a,h)anthracene	Ave	1.083	1.089	0.4000	13.0	12.5	0.6	20.0
Benzo[g,h,i]perylene	Ave	1.127	1.095	0.5000	12.0	12.5	-2.9	20.0
2-Fluorophenol (Surr)	Ave	1.369	1.476		27.0	25.0	7.8	20.0
Phenol-d5 (Surr)	Ave	1.868	2.090		28.0	25.0	11.9	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5172	0.5465		26.0	25.0	5.7	20.0
2-Fluorobiphenyl (Surr)	Ave	1.467	1.526		26.0	25.0	4.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2401	0.2542		26.0	25.0	5.9	20.0
p-Terphenyl-d14 (Surr)	Ave	0.9162	0.8888		24.0	25.0	-3.0	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2351.D
Lims ID: CCVIS L6
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Feb-2023 21:39:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: mem41592 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub24

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:34:42 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:34:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.666	1.666	0.000	89	253722	12.5	13.0	
3 N-Nitrosodimethylamine	74	1.888	1.888	0.000	85	431177	12.5	12.6	
4 Pyridine	79	1.923	1.923	0.000	94	1403367	25.0	26.9	
6 Dimethylformamide	73	2.220	2.220	0.000	86	436456	12.5	13.3	
7 2-Picoline	93	2.494	2.494	0.000	89	688007	12.5	13.3	
8 N-Nitrosomethylethylamine	88	2.581	2.581	0.000	83	311997	12.5	13.5	
9 Methyl methanesulfonate	80	2.844	2.844	0.000	83	381103	12.5	12.4	
$ 10 2-Fluorophenol	112	2.989	2.989	0.000	93	1115169	25.0	26.9	
11 N-Nitrosodiethylamine	102	3.211	3.211	0.000	88	293990	12.5	14.3	
12 Ethyl methanesulfonate	109	3.502	3.502	0.000	96	304771	12.5	13.5	
15 Benzaldehyde	77	3.829	3.829	0.000	94	477650	12.5	10.9	
$ 16 Phenol-d5	99	3.881	3.881	0.000	94	1579171	25.0	28.0	
17 Phenol	94	3.899	3.899	0.000	93	795943	12.5	13.9	
18 Aniline	93	3.934	3.934	0.000	96	969117	12.5	14.3	
19 Bis(2-chloroethyl)ether	93	3.992	3.992	0.000	98	641896	12.5	13.9	
20 2-Chlorophenol	128	4.044	4.044	0.000	94	513707	12.5	13.8	
21 1,3-Dichlorobenzene	146	4.190	4.190	0.000	94	583055	12.5	13.1	
* 22 1,4-Dichlorobenzene-d4	152	4.248	4.248	0.000	95	151119	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.266	4.266	0.000	91	596437	12.5	13.2	
25 Benzyl alcohol	108	4.377	4.377	0.000	89	392057	12.5	14.3	
26 1,2-Dichlorobenzene	146	4.406	4.406	0.000	94	562861	12.5	13.3	
28 2-Methylphenol	108	4.487	4.487	0.000	94	549185	12.5	14.6	
29 2,2'-oxybis[1-chloropropane]	45	4.511	4.511	0.000	93	645077	12.5	11.9	
31 N-Nitrosopyrrolidine	100	4.616	4.616	0.000	92	320846	12.5	15.0	
33 N-Nitrosodi-n-propylamine	70	4.633	4.633	0.000	76	513861	12.5	13.6	
34 Acetophenone	105	4.633	4.633	0.000	89	842414	12.5	13.2	
32 4-Methylphenol	108	4.633	4.633	0.000	68	569113	12.5	14.0	
35 N-Nitrosomorpholine	56	4.656	4.656	0.000	86	301466	12.5	10.8	
36 2-Toluidine	106	4.668	4.668	0.000	94	963566	12.5	14.0	
38 Hexachloroethane	117	4.732	4.732	0.000	93	245213	12.5	12.7	
$ 39 Nitrobenzene-d5	82	4.779	4.779	0.000	85	1453529	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.796	4.796	0.000	82	722796	12.5	12.7	
42 N-Nitrosopiperidine	114	4.942	4.942	0.000	89	274262	12.5	13.4	
43 Isophorone	82	5.029	5.029	0.000	96	1272577	12.5	13.7	
44 2-Nitrophenol	139	5.099	5.099	0.000	91	260780	12.5	14.2	
45 2,4-Dimethylphenol	107	5.146	5.146	0.000	97	557568	12.5	12.7	
46 o,o',o''-Triethylphosphorothioat	198	5.216	5.216	0.000	83	293925	12.5	12.2	
47 Bis(2-chloroethoxy)methane	93	5.239	5.239	0.000	98	772995	12.5	13.5	
48 2,4-Dichlorophenol	162	5.332	5.332	0.000	95	448387	12.5	13.5	
49 1,2,4-Trichlorobenzene	180	5.414	5.414	0.000	93	521904	12.5	12.6	
* 50 Naphthalene-d8	136	5.467	5.467	0.000	99	531958	5.00	5.00	
51 Naphthalene	128	5.484	5.484	0.000	98	1455955	12.5	12.8	
52 Alpha-Terpineol	59	5.501	5.501	0.000	93	464744	12.5	12.7	
53 4-Chloroaniline	127	5.542	5.542	0.000	93	620990	12.5	14.0	
54 2,6-Dichlorophenol	162	5.548	5.548	0.000	95	443955	12.5	13.4	
55 Hexachloropropene	213	5.571	5.571	0.000	86	379323	12.5	11.4	
56 Hexachlorobutadiene	225	5.606	5.606	0.000	94	323400	12.5	11.4	
60 Quinoline	129	5.805	5.805	0.000	95	937822	12.5	13.5	
61 Caprolactam	113	5.863	5.863	0.000	79	156545	12.5	14.9	
62 N-Nitrosodi-n-butylamine	84	5.869	5.869	0.000	85	585519	12.5	13.7	
63 p-Phenylene diamine	108	5.886	5.886	0.000	95	410444	12.5	10.5	
64 4-Chloro-3-methylphenol	107	6.009	6.009	0.000	91	505110	12.5	13.9	
65 Safrole, Total	162	6.067	6.067	0.000	90	412266	12.5	13.4	
66 2-Methylnaphthalene	142	6.148	6.148	0.000	91	954563	12.5	13.5	
67 1-Methylnaphthalene	142	6.242	6.242	0.000	95	880394	12.5	12.3	
68 Hexachlorocyclopentadiene	237	6.294	6.294	0.000	93	341314	12.5	9.67	
69 1,2,4,5-Tetrachlorobenzene	216	6.306	6.306	0.000	96	595504	12.5	12.3	
70 Isosafrole Peak 1	162	6.347	6.347	0.000	90	74027	2.00	2.25	
71 2,4,6-Trichlorophenol	196	6.417	6.417	0.000	82	356875	12.5	13.6	
72 2,4,5-Trichlorophenol	196	6.452	6.452	0.000	94	387483	12.5	13.5	
$ 73 2-Fluorobiphenyl (Surr)	172	6.498	6.498	0.000	99	2412333	25.0	26.0	
74 Isosafrole Peak 2	162	6.562	6.562	0.000	90	421706	10.5	11.1	
75 1,1'-Biphenyl	154	6.591	6.591	0.000	95	1239045	12.5	12.8	
76 2-Chloronaphthalene	162	6.609	6.609	0.000	93	1001856	12.5	13.3	M
77 1-Chloronaphthalene	162	6.626	6.626	0.000	99	882783	12.5	12.1	Ma
78 Phenyl ether	170	6.696	6.696	0.000	85	675882	12.5	12.3	
79 2-Nitroaniline	138	6.714	6.714	0.000	77	300798	12.5	15.7	
81 1,4-Naphthoquinone	158	6.784	6.784	0.000	87	389594	12.5	14.7	
84 1,4-Dinitrobenzene	168	6.848	6.848	0.000	84	166608	12.5	15.1	
85 Dimethyl phthalate	163	6.889	6.889	0.000	98	1105180	12.5	13.3	
86 1,3-Dinitrobenzene	168	6.918	6.918	0.000	84	186683	12.5	14.8	
87 2,6-Dinitrotoluene	165	6.947	6.947	0.000	93	254485	12.5	14.0	
88 Acenaphthylene	152	6.999	6.999	0.000	99	1577539	12.5	15.2	
89 3-Nitroaniline	138	7.099	7.099	0.000	90	267697	12.5	15.9	
* 90 Acenaphthene-d10	164	7.134	7.134	0.000	95	316210	5.00	5.00	
91 Acenaphthene	153	7.163	7.163	0.000	96	983085	12.5	13.1	
92 2,4-Dinitrophenol	184	7.203	7.203	0.000	88	317343	25.0	25.7	
93 4-Nitrophenol	109	7.268	7.268	0.000	84	338116	25.0	26.3	
94 Pentachlorobenzene	250	7.285	7.285	0.000	98	511671	12.5	12.5	
95 2,4-Dinitrotoluene	165	7.326	7.326	0.000	86	350967	12.5	15.0	
96 Dibenzofuran	168	7.332	7.332	0.000	97	1408984	12.5	12.9	
97 1-Naphthylamine	143	7.407	7.407	0.000	98	907818	12.5	13.9	
98 2,3,4,6-Tetrachlorophenol	232	7.448	7.448	0.000	71	344684	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 2-Naphthylamine	143	7.483	7.483	0.000	95	994320	12.5	13.8	
100 Diethyl phthalate	149	7.559	7.559	0.000	98	1051087	12.5	13.1	
101 Thionazin	107	7.635	7.635	0.000	79	199996	12.5	14.6	
102 Fluorene	166	7.652	7.652	0.000	93	1140029	12.5	13.2	
103 4-Chlorophenyl phenyl ether	204	7.658	7.658	0.000	89	603092	12.5	12.6	
104 N-Nitro-o-toluidine	152	7.670	7.670	0.000	90	319961	12.5	15.2	
105 4-Nitroaniline	138	7.676	7.676	0.000	80	268207	12.5	14.6	
106 4,6-Dinitro-2-methylphenol	198	7.705	7.705	0.000	88	432550	25.0	26.0	
107 N-Nitrosodiphenylamine	169	7.775	7.775	0.000	62	826994	10.6	11.6	
108 1,2-Diphenylhydrazine	77	7.810	7.810	0.000	42	1387071	12.5	13.0	
$ 109 2,4,6-Tribromophenol	330	7.880	7.880	0.000	93	401877	25.0	26.5	
110 Sulfotepp	97	7.932	7.932	0.000	78	209957	12.5	13.3	
112 1,3,5-Trinitrobenzene	213	8.031	8.031	0.000	83	140656	12.5	13.8	
113 cis-Diallate	86	8.049	8.049	0.000	0	421998	9.25	9.72	
114 Phorate	75	8.054	8.054	0.000	95	842169	12.5	13.9	
115 Phenacetin	108	8.072	8.072	0.000	92	611920	12.5	16.0	
116 4-Bromophenyl phenyl ether	248	8.124	8.124	0.000	63	380905	12.5	12.3	
117 trans-Diallate	86	8.130	8.130	0.000	0	151323	3.25	3.45	
118 Hexachlorobenzene	284	8.165	8.165	0.000	95	410627	12.5	11.6	
119 Dimethoate	87	8.218	8.218	0.000	97	546744	12.5	15.5	
120 Atrazine	200	8.288	8.288	0.000	94	340324	12.5	12.6	
121 Pentachlorophenol	266	8.358	8.358	0.000	93	508128	25.0	25.7	
123 Pentachloronitrobenzene	237	8.369	8.369	0.000	58	173447	12.5	11.6	
122 4-Aminobiphenyl	169	8.369	8.369	0.000	91	1306233	12.5	13.4	
124 Pronamide	173	8.433	8.433	0.000	90	540605	12.5	15.0	
125 Dinoseb	211	8.538	8.538	0.000	95	325617	12.5	13.0	
* 126 Phenanthrene-d10	188	8.538	8.538	0.000	96	646535	5.00	5.00	
127 Disulfoton	88	8.556	8.556	0.000	94	861205	12.5	14.0	
128 Phenanthrene	178	8.562	8.562	0.000	96	1687149	12.5	12.3	
129 Anthracene	178	8.608	8.608	0.000	98	1727701	12.5	12.9	
130 Carbazole	167	8.766	8.766	0.000	95	1563575	12.5	13.7	
131 Methyl parathion	109	8.905	8.905	0.000	93	396379	12.5	14.6	
133 Di-n-butyl phthalate	149	9.115	9.115	0.000	100	1734157	12.5	14.2	
134 Ethyl Parathion	109	9.278	9.278	0.000	85	240689	12.5	16.0	
135 4-Nitroquinoline-1-oxide	190	9.302	9.302	0.000	84	121665	12.5	11.3	
140 Octachlorostyrene	308	9.506	9.506	0.000	90	156857	12.5	11.7	
141 Isodrin	193	9.541	9.541	0.000	94	203293	12.5	11.4	
S 136 Diallate	86				0		12.5	13.2	
143 Fluoranthene	202	9.686	9.686	0.000	98	1973153	12.5	13.3	
147 Benzidine	184	9.832	9.832	0.000	99	3485325	37.5	38.1	
* 149 Pyrene-d10 (IS)	212	9.885	9.885	0.000	99	698240	5.00	5.00	
150 Pyrene	202	9.902	9.902	0.000	97	2076881	12.5	12.3	
$ 152 p-Terphenyl-d14	244	10.065	10.065	0.000	99	3102990	25.0	24.3	
154 p-Dimethylamino azobenzene	225	10.199	10.199	0.000	91	381930	12.5	12.7	
155 Chlorobenzilate	139	10.252	10.252	0.000	96	542052	12.5	14.1	
156 3,3'-Dimethylbenzidine	212	10.543	10.543	0.000	99	1239670	12.5	13.9	
157 Butyl benzyl phthalate	149	10.567	10.567	0.000	95	755214	12.5	13.7	
158 2-Acetylaminofluorene	181	10.806	10.806	0.000	93	683750	12.5	15.0	
159 3,3'-Dichlorobenzidine	252	11.126	11.126	0.000	76	712418	12.5	12.5	
161 Benzo[a]anthracene	228	11.138	11.138	0.000	98	1923601	12.5	12.6	
160 4,4'-Methylene bis(2-chloroani	231	11.138	11.138	0.000	94	395545	12.5	12.9	
162 Chrysene	228	11.179	11.179	0.000	97	1811324	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
163 Bis(2-ethylhexyl) phthalate	149	11.225	11.225	0.000	97	1027197	12.5	16.5	E
164 6-Methylchrysene	242	11.726	11.726	0.000	99	1316623	12.5	12.7	
165 Di-n-octyl phthalate	149	12.047	12.047	0.000	99	1689592	12.5	18.3	E
166 7,12-Dimethylbenz(a)anthracene	256	12.478	12.478	0.000	89	885831	12.5	14.1	
167 Benzo[b]fluoranthene	252	12.484	12.484	0.000	97	1946940	12.5	12.5	
168 Benzo[k]fluoranthene	252	12.519	12.519	0.000	99	1955411	12.5	12.4	
169 Benzo[a]pyrene	252	12.921	12.921	0.000	76	1632429	12.5	13.3	
* 170 Perylene-d12	264	12.997	12.997	0.000	99	590739	5.00	5.00	
171 3-Methylcholanthrene	268	13.423	13.423	0.000	90	874033	12.5	13.1	
172 Dibenz[a,h]acridine	279	14.192	14.192	0.000	90	1310702	12.5	13.7	
173 Dibenz[a,j]acridine	279	14.268	14.268	0.000	96	1433393	12.5	13.1	
174 Indeno[1,2,3-cd]pyrene	276	14.501	14.501	0.000	99	1410887	12.5	13.0	
175 Dibenz(a,h)anthracene	278	14.548	14.548	0.000	92	1608618	12.5	12.6	
176 Benzo[g,h,i]perylene	276	14.851	14.851	0.000	98	1616743	12.5	12.1	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	13.3	

QC Flag Legend

Processing Flags
- E - Exceeded Maximum Amount
- 7 - Failed Limit of Detection

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

Reagents:

MSS_RV8270_6_00039 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 14:34:43 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2351.D

Injection Date: 23-Feb-2023 21:39:30 Instrument ID: HP19760 Operator ID: mem41592

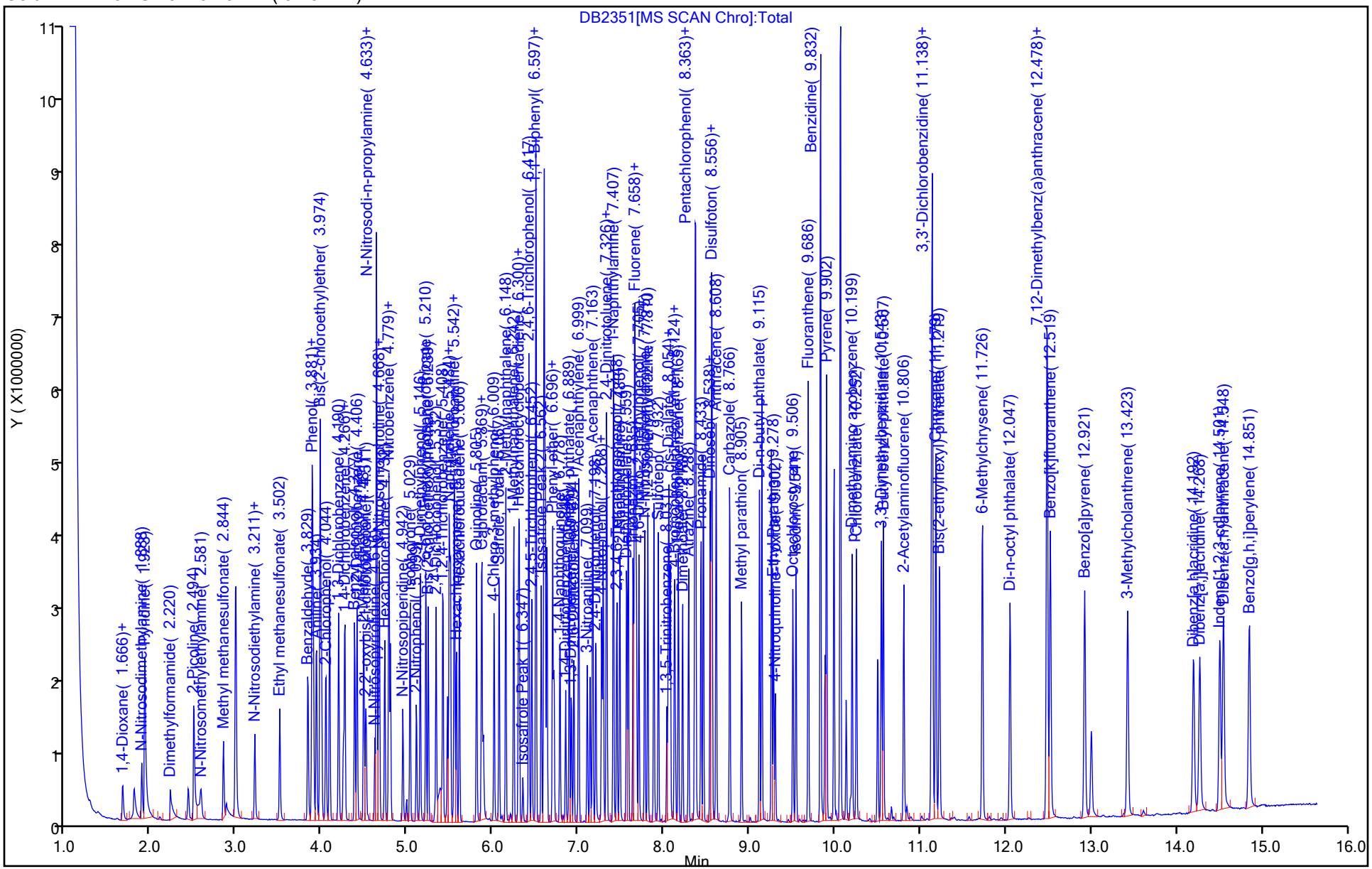
Lims ID: CCVIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

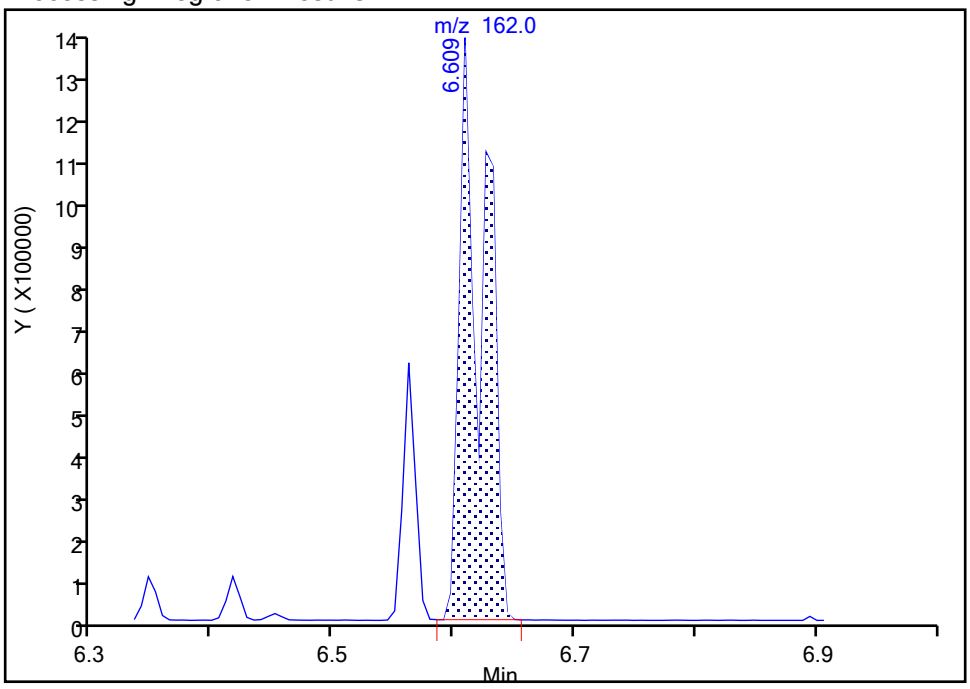
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2351.D				
Injection Date:	23-Feb-2023 21:39:30	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

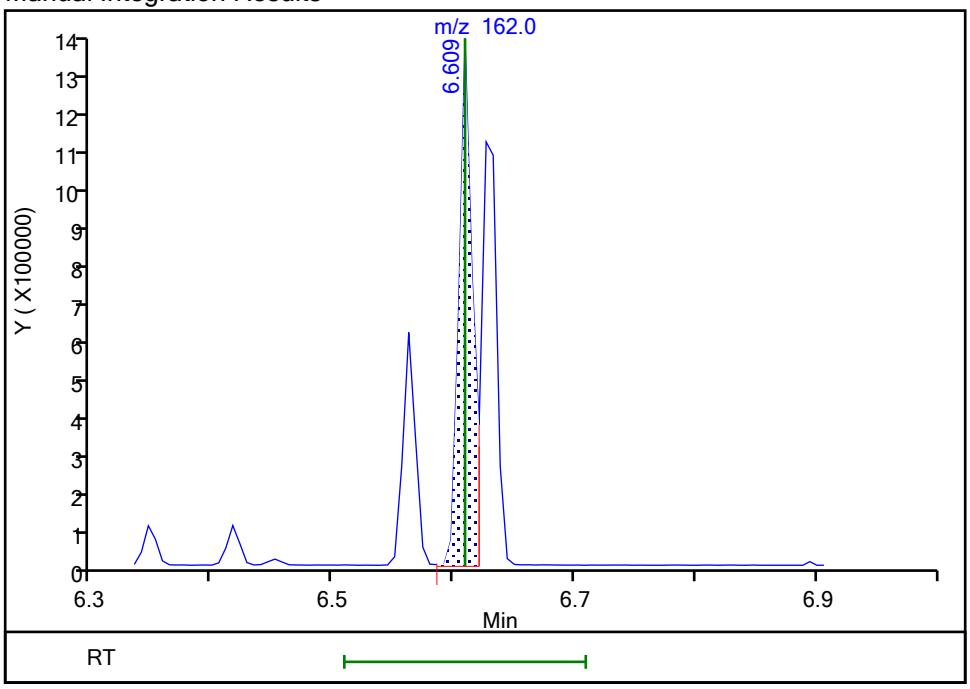
Processing Integration Results

RT: 6.61
Area: 1884641
Amount: 25.051583
Amount Units: ug/ml



Manual Integration Results

RT: 6.61
Area: 1001856
Amount: 13.317167
Amount Units: ug/ml



Reviewer: P7EB, 23-Feb-2023 22:06:29
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

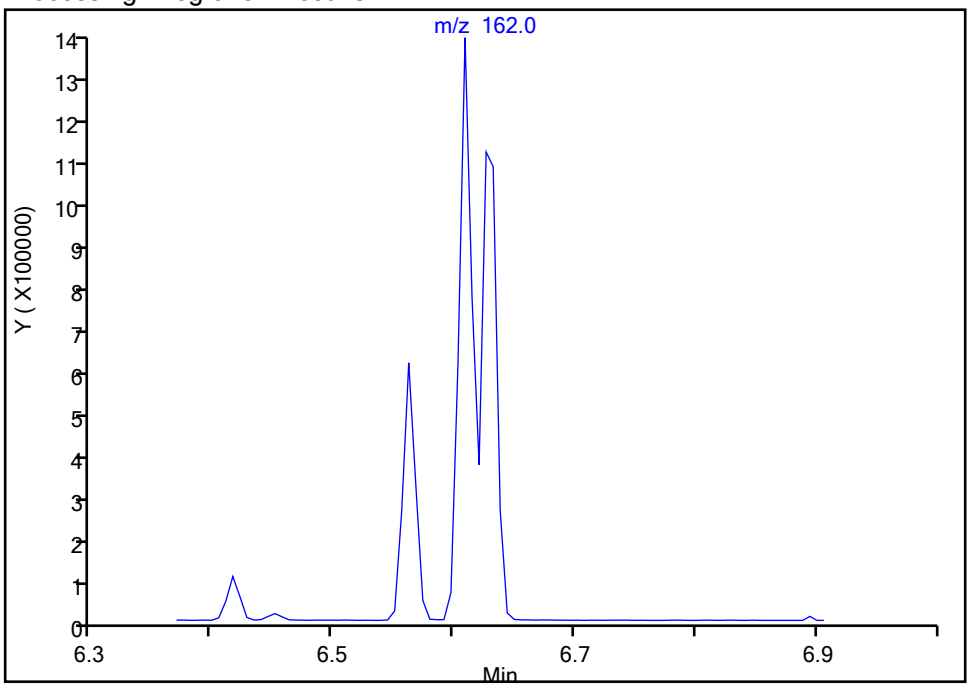
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2351.D				
Injection Date:	23-Feb-2023 21:39:30	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

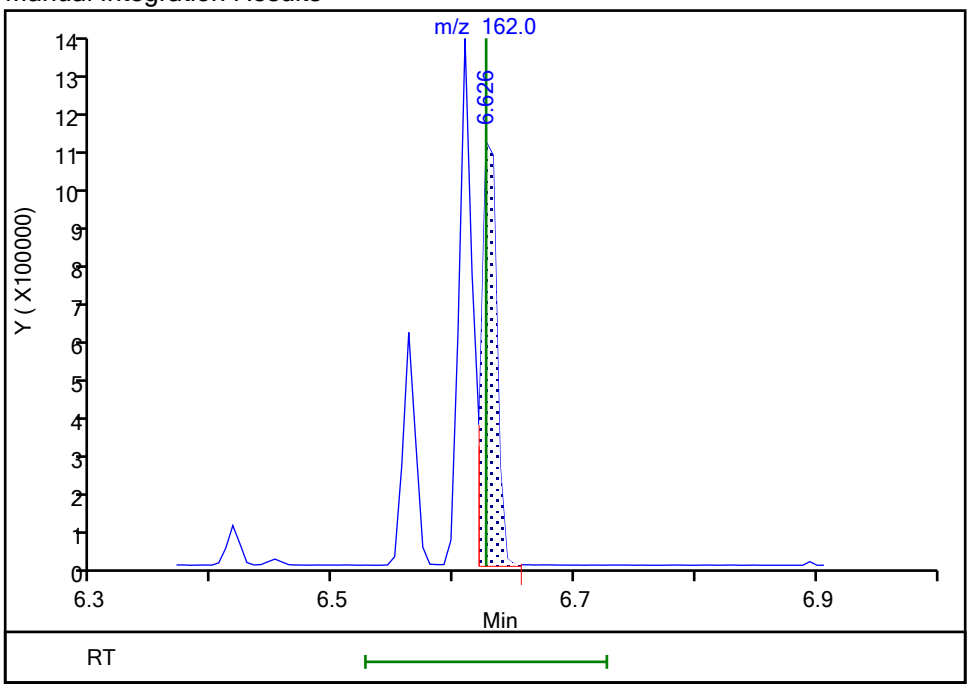
Not Detected
Expected RT: 6.63

Processing Integration Results



Manual Integration Results

RT: 6.63
Area: 882783
Amount: 12.051064
Amount Units: ug/ml



Reviewer: P7EB, 23-Feb-2023 22:06:36
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\HP19760\20221107-70576.b\DK0700b.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Nov-2022 18:35:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0070576-001
Operator ID: kel10217 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Nov-2022 08:55:18 Calib Date: 08-Nov-2022 01:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0720.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: W6XI Date: 08-Nov-2022 08:55:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Pentachlorophenol_T	266	4.696	4.696	0.000	92	142267	NR	NR	
15 Benzidine_T	184	5.967	5.967	0.000	99	704617	NR	NR	
215 DFTPP									
217 4,4'-DDD	235	6.521	6.521	0.000	1	164		NR	
216 4,4'-DDE	246		6.549					ND	
218 4,4'-DDT	235	6.665	6.665	0.000	99	372558	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

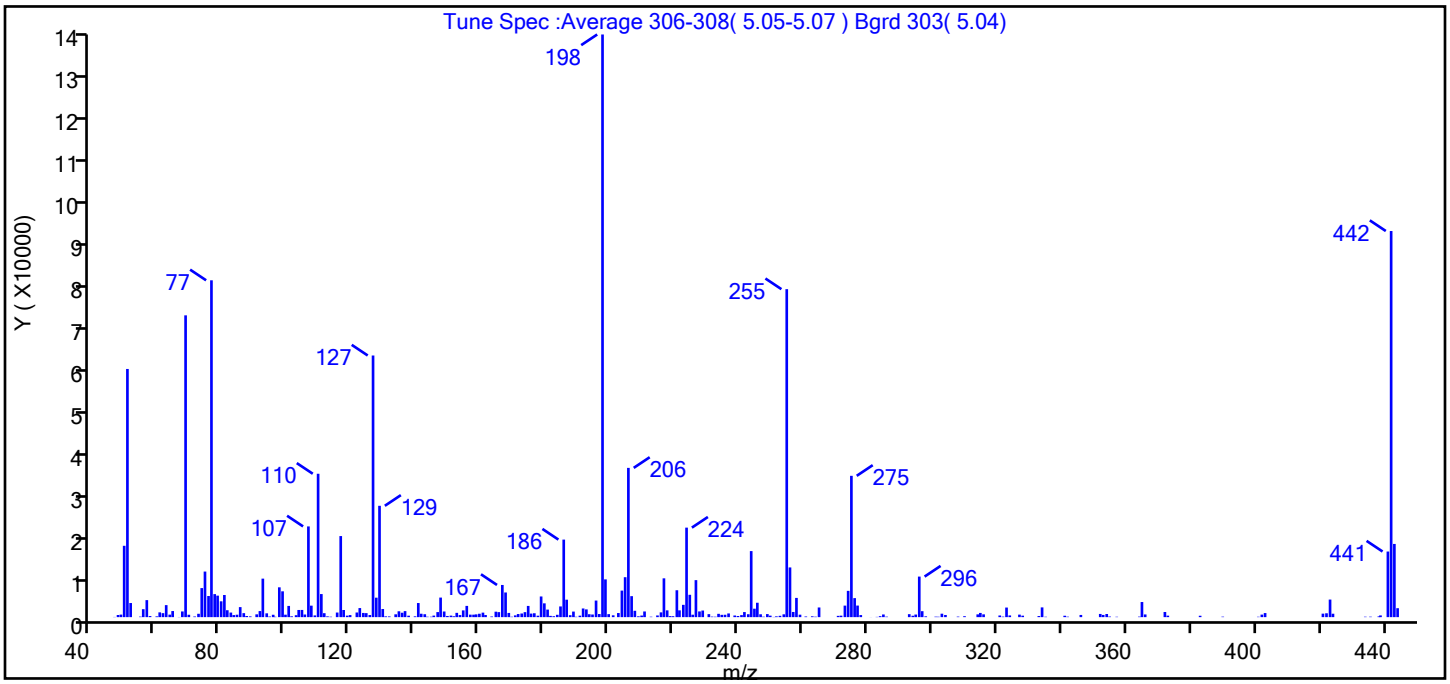
MSS_RVDFTPP_00011 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0700b.D
Injection Date: 07-Nov-2022 18:35:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

215 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (150.9)
51	10-80% of the base peak	42.6
68	<2% of mass 69	1.0 (1.9)
69	Present	51.8
70	<2% of mass 69	0.4 (0.8)
127	10-80% of the base peak	44.9
197	<2% of mass 198	0.5
199	5-9% of mass 198	6.5
275	10-60% of the base peak	24.3
365	>1% of mass 198	2.6
441	present but <24% of mass 442	11.3 (17.0)
442	base peak, or >50% of 198	66.3
443	15-24% of mass 442	12.6 (19.0)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0700b.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 07-Nov-2022 18:35:30
Spectrum: Tune Spec :Average 306-308(5.05-5.07) Bgrd 303(5.04)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 268

m/z	Y	m/z	Y	m/z	Y	m/z	Y
47.00	43	122.00	1043	192.00	1947	271.00	289
48.00	480	123.00	2039	193.00	1740	272.00	332
49.00	573	124.00	943	194.00	656	273.00	2590
50.00	16028	125.00	902	195.00	592	274.00	5905
51.00	55760	126.00	472	196.00	3727	275.00	31752
52.00	3170	127.00	58784	197.00	697	276.00	4275
55.00	119	128.00	4374	198.00	130912	277.00	2602
56.00	1789	129.00	25016	199.00	8486	278.00	465
57.00	3824	130.00	1824	200.00	673	281.00	14
58.00	245	131.00	174	201.00	411	283.00	55
60.00	173	132.00	164	203.00	924	284.00	216
61.00	1072	134.00	635	204.00	5965	285.00	600
62.00	896	135.00	1319	205.00	8972	286.00	110
63.00	2700	136.00	990	206.00	33536	293.00	669
64.00	562	137.00	1353	207.00	4716	294.00	313
65.00	1370	138.00	326	208.00	1426	295.00	584
67.00	35	140.00	180	209.00	186	296.00	9112
68.00	1281	141.00	3171	210.00	357	297.00	1339
69.00	67808	142.00	766	211.00	1275	298.00	181
70.00	536	143.00	656	213.00	98	301.00	109
72.00	147	144.00	96	215.00	378	302.00	91
73.00	757	145.00	94	216.00	1073	303.00	775
74.00	6528	146.00	348	217.00	8720	304.00	486
75.00	10242	147.00	1133	218.00	1525	308.00	121
76.00	4749	148.00	4396	219.00	233	310.00	209
77.00	75680	149.00	1270	220.00	208	314.00	624
78.00	5175	150.00	263	221.00	6044	315.00	945
79.00	4830	151.00	343	222.00	1527	316.00	628
80.00	3558	152.00	198	223.00	2765	321.00	371
81.00	4975	153.00	964	224.00	20112	322.00	115
82.00	1553	154.00	467	225.00	5021	323.00	2155
83.00	1028	155.00	1519	226.00	546	324.00	384
84.00	467	156.00	2526	227.00	8315	327.00	564

Report Date: 08-Nov-2022 08:55:18 Chrom Revision: 2.3 25-Oct-2022 11:16:06
Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0700b.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 07-Nov-2022 18:35:30
Spectrum: Tune Spec :Average 306-308(5.05-5.07) Bgrd 303(5.04)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 268

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	546	157.00	561	228.00	1284	328.00	329
86.00	2255	158.00	556	229.00	1485	333.00	246
87.00	898	159.00	624	231.00	674	334.00	2190
88.00	257	160.00	762	232.00	121	335.00	87
89.00	169	161.00	1014	233.00	96	341.00	316
91.00	630	162.00	472	234.00	746	342.00	106
92.00	1364	164.00	145	235.00	517	346.00	494
93.00	8651	165.00	1225	236.00	537	352.00	718
94.00	855	166.00	1126	237.00	831	353.00	495
95.00	142	167.00	7230	239.00	367	354.00	705
96.00	536	168.00	5542	240.00	258	355.00	136
97.00	85	169.00	947	241.00	458	357.00	85
98.00	6701	170.00	92	242.00	1140	364.00	119
99.00	5803	171.00	397	243.00	653	365.00	3395
100.00	551	172.00	697	244.00	14841	366.00	608
101.00	2519	173.00	819	245.00	1898	372.00	1157
102.00	187	174.00	1123	246.00	3234	373.00	335
103.00	434	175.00	2520	247.00	645	383.00	312
104.00	1610	176.00	798	248.00	105	390.00	109
105.00	1619	177.00	874	249.00	688	401.00	87
106.00	591	178.00	326	250.00	335	402.00	569
107.00	20384	179.00	4644	251.00	43	403.00	916
108.00	2580	180.00	3100	252.00	179	421.00	786
109.00	390	181.00	1698	253.00	298	422.00	869
110.00	32216	182.00	289	254.00	635	423.00	3950
111.00	5186	183.00	205	255.00	73688	424.00	769
112.00	888	184.00	527	256.00	11169	434.00	97
113.00	174	185.00	2406	257.00	1161	436.00	104
114.00	94	186.00	17424	258.00	4321	438.00	169
116.00	1035	187.00	3923	259.00	554	439.00	386
117.00	18216	188.00	437	261.00	147	441.00	14740
118.00	1606	189.00	1251	263.00	185	442.00	86752
119.00	338	190.00	84	264.00	103	443.00	16448
120.00	462	191.00	331	265.00	2172	444.00	2011

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	546	157.00	561	228.00	1284	328.00	329
86.00	2255	158.00	556	229.00	1485	333.00	246
87.00	898	159.00	624	231.00	674	334.00	2190
88.00	257	160.00	762	232.00	121	335.00	87
89.00	169	161.00	1014	233.00	96	341.00	316
91.00	630	162.00	472	234.00	746	342.00	106
92.00	1364	164.00	145	235.00	517	346.00	494
93.00	8651	165.00	1225	236.00	537	352.00	718
94.00	855	166.00	1126	237.00	831	353.00	495
95.00	142	167.00	7230	239.00	367	354.00	705
96.00	536	168.00	5542	240.00	258	355.00	136
97.00	85	169.00	947	241.00	458	357.00	85
98.00	6701	170.00	92	242.00	1140	364.00	119
99.00	5803	171.00	397	243.00	653	365.00	3395
100.00	551	172.00	697	244.00	14841	366.00	608
101.00	2519	173.00	819	245.00	1898	372.00	1157
102.00	187	174.00	1123	246.00	3234	373.00	335
103.00	434	175.00	2520	247.00	645	383.00	312
104.00	1610	176.00	798	248.00	105	390.00	109
105.00	1619	177.00	874	249.00	688	401.00	87
106.00	591	178.00	326	250.00	335	402.00	569
107.00	20384	179.00	4644	251.00	43	403.00	916
108.00	2580	180.00	3100	252.00	179	421.00	786
109.00	390	181.00	1698	253.00	298	422.00	869
110.00	32216	182.00	289	254.00	635	423.00	3950
111.00	5186	183.00	205	255.00	73688	424.00	769
112.00	888	184.00	527	256.00	11169	434.00	97
113.00	174	185.00	2406	257.00	1161	436.00	104
114.00	94	186.00	17424	258.00	4321	438.00	169
116.00	1035	187.00	3923	259.00	554	439.00	386
117.00	18216	188.00	437	261.00	147	441.00	14740
118.00	1606	189.00	1251	263.00	185	442.00	86752
119.00	338	190.00	84	264.00	103	443.00	16448
120.00	462	191.00	331	265.00	2172	444.00	2011

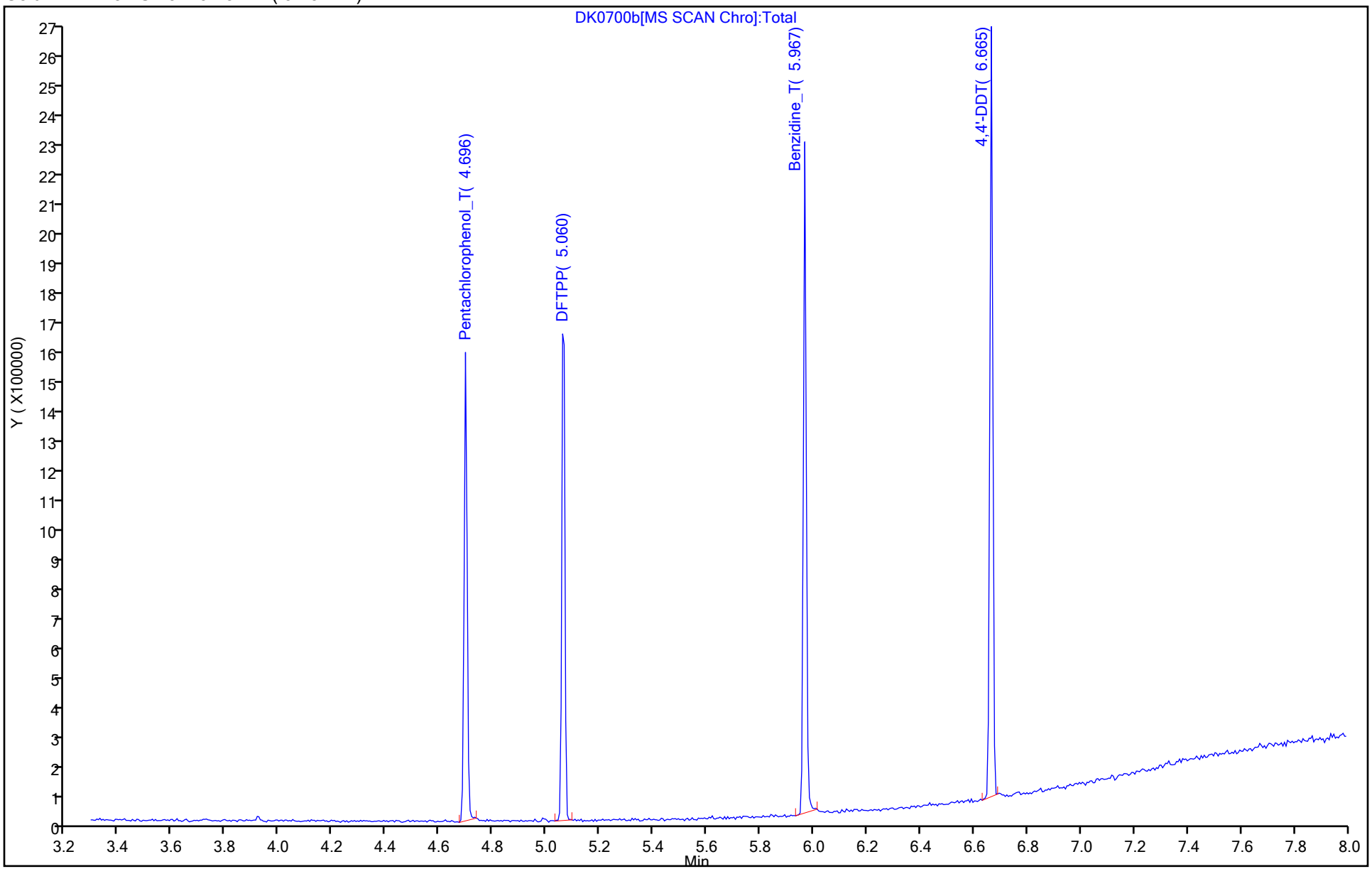
Report Date: 08-Nov-2022 08:55:18 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0700b.D

Injection Date:	07-Nov-2022 18:35:30	Instrument ID:	HP19760	Operator ID:	kel10217
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0700b.D				
Injection Date:	07-Nov-2022 18:35:30	Instrument ID:	HP19760		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

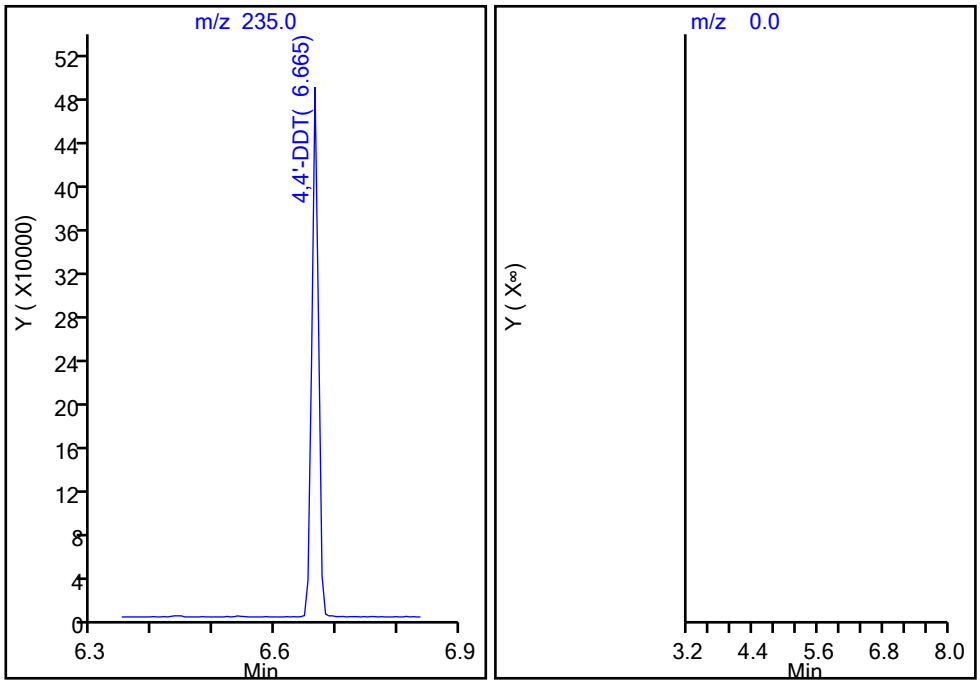
218 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

218 4,4'-DDT, Area = 372558
217 4,4'-DDD, Area = 164
216 4,4'-DDE, Area = 0

%Breakdown: 0.04%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

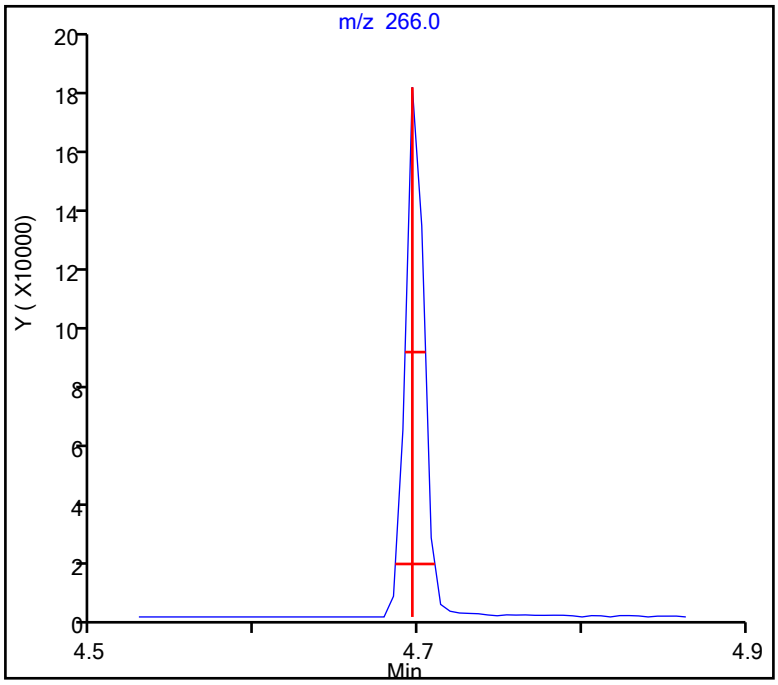
Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0700b.D
Injection Date: 07-Nov-2022 18:35:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

9 Pentachlorophenol_T, Detector: MS SCAN

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



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

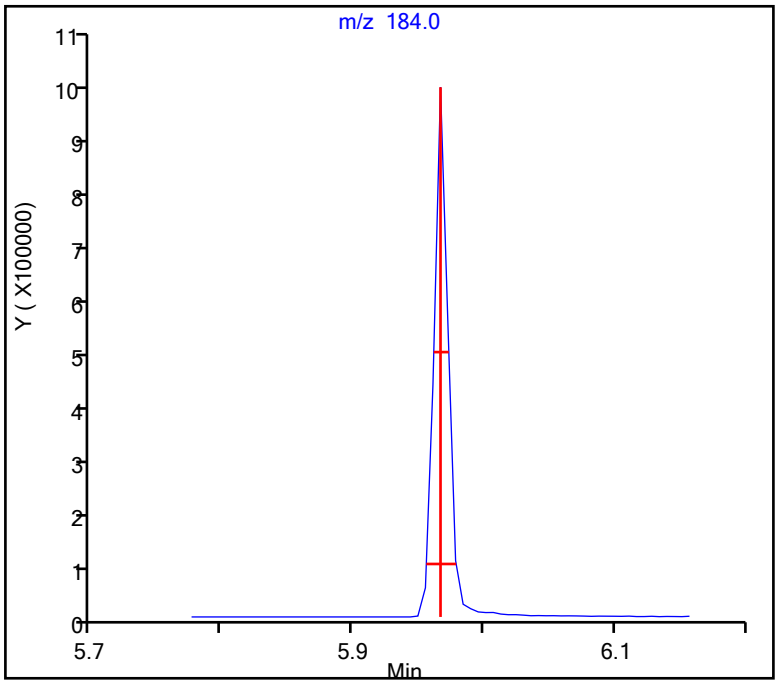
Data File: \\chromfs\Lancaster\ChromData\HP19760\20221107-70576.b\DK0700b.D
Injection Date: 07-Nov-2022 18:35:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

15 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.09, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2350a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 23-Feb-2023 21:21:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:50:03 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:50:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 Pentachlorophenol_T	266	4.425	4.425	0.000	93	190511	NR	NR	
57 Benzidine_T	184	5.695	5.695	0.000	99	871819	NR	NR	
243 DFTPP									
244 4,4'-DDE	246		5.851					ND	U
245 4,4'-DDD	235		6.134					ND	U
246 4,4'-DDT	235	6.382	6.382	0.000	99	407156	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

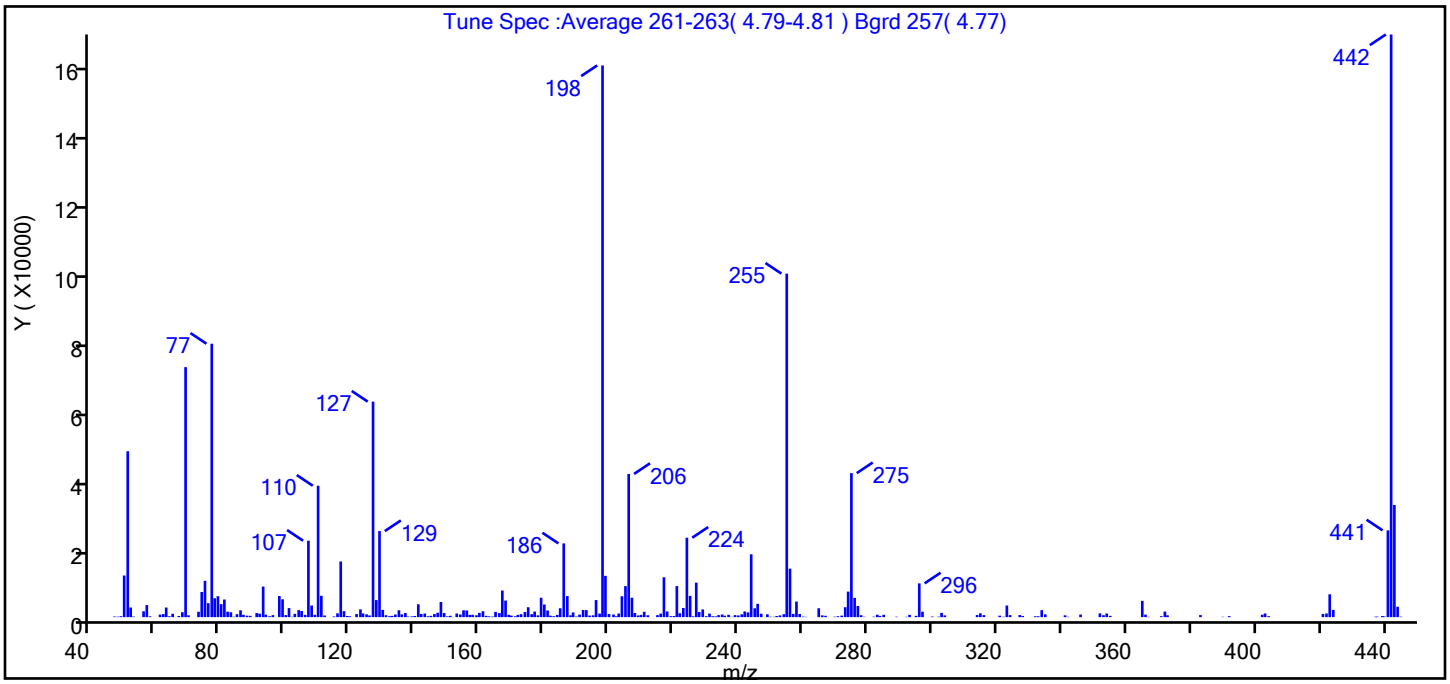
MSS_RVDFTPP_00012 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2350a.D
Injection Date: 23-Feb-2023 21:21:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

243 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (94.7)
51	10-80% of the base peak	30.1
68	<2% of mass 69	0.9 (2.0)
69	Present	45.3
70	<2% of mass 69	0.3 (0.7)
127	10-80% of the base peak	39.1
197	<2% of mass 198	0.6
199	5-9% of mass 198	7.5
275	10-60% of the base peak	26.1
365	>1% of mass 198	3.0
441	present but <24% of mass 442	15.7 (14.9)
442	base peak, or >50% of 198	105.6
443	15-24% of mass 442	20.3 (19.3)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2350a.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 23-Feb-2023 21:21:30
Spectrum: Tune Spec :Average 261-263(4.79-4.81) Bgrd 257(4.77)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 273

m/z	Y	m/z	Y	m/z	Y	m/z	Y
47.00	180	127.00	62848	196.00	4977	273.00	2896
48.00	137	128.00	4975	197.00	1034	274.00	7455
49.00	274	129.00	25096	198.00	160896	275.00	41992
50.00	12143	130.00	2111	199.00	12035	276.00	5607
51.00	48384	131.00	563	200.00	895	277.00	3258
52.00	2811	132.00	286	201.00	771	278.00	560
53.00	161	133.00	378	202.00	261	279.00	102
56.00	1714	134.00	762	203.00	1051	282.00	137
57.00	3525	135.00	2013	204.00	6089	283.00	713
58.00	239	136.00	810	205.00	9045	284.00	372
61.00	747	137.00	1200	206.00	41760	285.00	688
62.00	890	138.00	171	207.00	5663	289.00	133
63.00	2810	139.00	209	208.00	1201	292.00	96
64.00	248	140.00	329	209.00	491	293.00	669
65.00	986	141.00	3757	210.00	663	295.00	386
67.00	338	142.00	925	211.00	1556	296.00	9849
68.00	1431	143.00	1043	212.00	552	297.00	1584
69.00	72912	144.00	263	215.00	594	300.00	177
70.00	526	145.00	384	216.00	1033	302.00	141
73.00	1572	146.00	912	217.00	11642	303.00	1241
74.00	7326	147.00	1291	218.00	1657	304.00	513
75.00	10593	148.00	4421	219.00	282	314.00	608
76.00	4075	149.00	1197	220.00	322	315.00	1114
77.00	79736	150.00	218	221.00	9054	316.00	588
78.00	5518	151.00	397	222.00	1135	321.00	430
79.00	6112	152.00	44	223.00	2669	322.00	110
80.00	3796	153.00	1060	224.00	23160	323.00	3393
81.00	5142	154.00	777	225.00	6198	324.00	594
82.00	1588	155.00	2006	226.00	242	327.00	616
83.00	1422	156.00	1949	227.00	10059	328.00	327
84.00	112	157.00	662	228.00	1504	332.00	258
85.00	867	158.00	686	229.00	2258	333.00	261
86.00	1997	159.00	545	230.00	273	334.00	2044

Report Date: 24-Feb-2023 14:50:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2350a.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 23-Feb-2023 21:21:30
Spectrum: Tune Spec :Average 261-263(4.79-4.81) Bgrd 257(4.77)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 273

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	685	160.00	1239	231.00	1025	335.00	799
88.00	436	161.00	1729	232.00	263	341.00	533
89.00	383	162.00	381	233.00	221	342.00	117
91.00	1194	163.00	240	234.00	592	346.00	764
92.00	1014	164.00	163	235.00	767	352.00	1101
93.00	8918	165.00	1522	236.00	422	353.00	565
94.00	727	166.00	1189	237.00	688	354.00	1067
95.00	266	167.00	7760	238.00	95	355.00	372
96.00	590	168.00	4839	239.00	595	365.00	4753
97.00	23	169.00	671	240.00	496	366.00	729
98.00	6151	170.00	450	241.00	821	367.00	90
99.00	5194	171.00	253	242.00	1664	371.00	274
100.00	600	172.00	657	243.00	1385	372.00	1617
101.00	2653	173.00	864	244.00	18328	373.00	546
102.00	94	174.00	1505	245.00	2585	383.00	599
103.00	970	175.00	2883	246.00	3894	390.00	98
104.00	2057	176.00	868	247.00	997	392.00	294
105.00	1793	177.00	1624	249.00	827	402.00	704
106.00	660	178.00	527	250.00	121	403.00	1072
107.00	22288	179.00	5655	251.00	103	404.00	285
108.00	3383	180.00	3676	252.00	318	421.00	953
109.00	680	181.00	1935	253.00	510	422.00	1065
110.00	38320	182.00	424	254.00	860	423.00	6660
111.00	6221	183.00	279	255.00	100168	424.00	2105
112.00	486	184.00	649	256.00	14139	437.00	127
115.00	199	185.00	2591	257.00	950	438.00	148
116.00	1106	186.00	21504	258.00	4544	439.00	323
117.00	16237	187.00	6139	259.00	908	440.00	178
118.00	1747	188.00	541	260.00	152	441.00	25304
119.00	340	189.00	1377	261.00	84	442.00	169920
120.00	243	190.00	172	265.00	2589	443.00	32720
122.00	901	191.00	742	266.00	515	444.00	3028
123.00	2265	192.00	2088	267.00	404	445.00	136
124.00	1069	193.00	2058	270.00	124		

Report Date: 24-Feb-2023 14:50:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2350a.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 23-Feb-2023 21:21:30
Spectrum: Tune Spec :Average 261-263(4.79-4.81) Bgrd 257(4.77)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 273

m/z	Y	m/z	Y	m/z	Y	m/z	Y
125.00	815	194.00	461	271.00	264		
126.00	495	195.00	538	272.00	445		

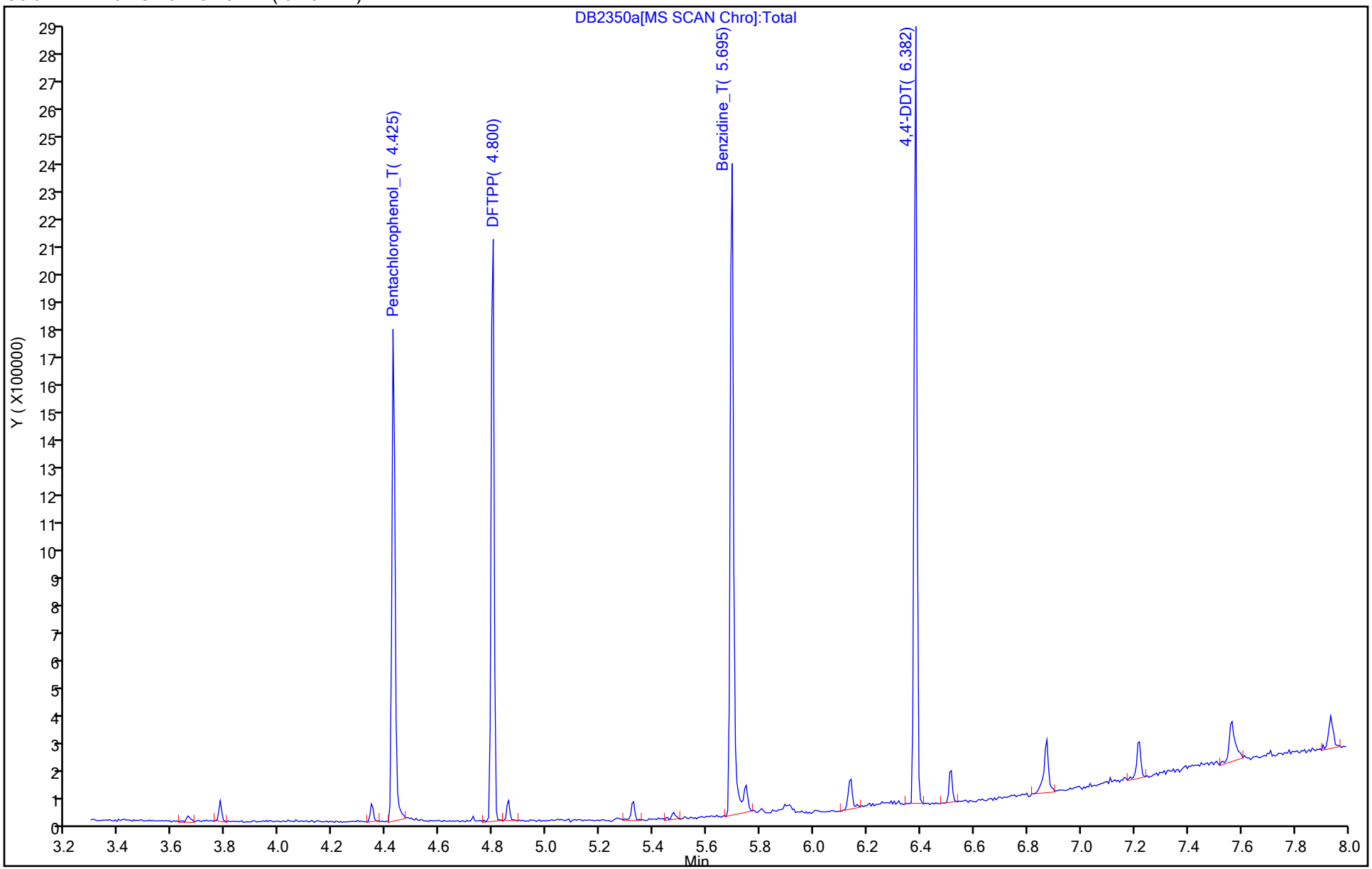
Report Date: 24-Feb-2023 14:50:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2350a.D

Injection Date:	23-Feb-2023 21:21:30	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2350a.D
Injection Date: 23-Feb-2023 21:21:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

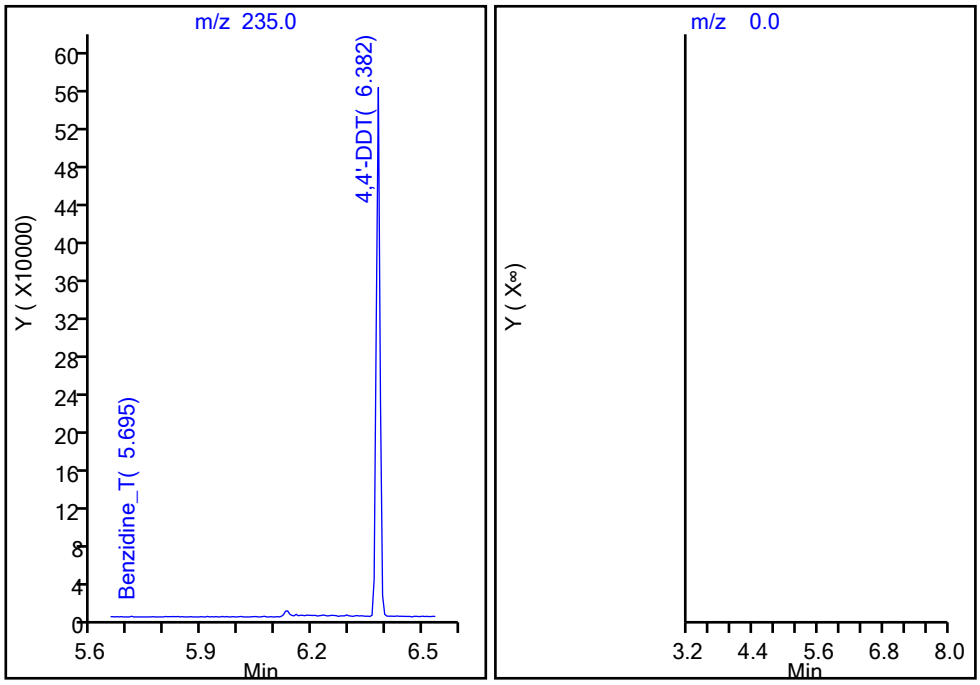
246 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 407156
245 4,4'-DDD, Area = 0
244 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

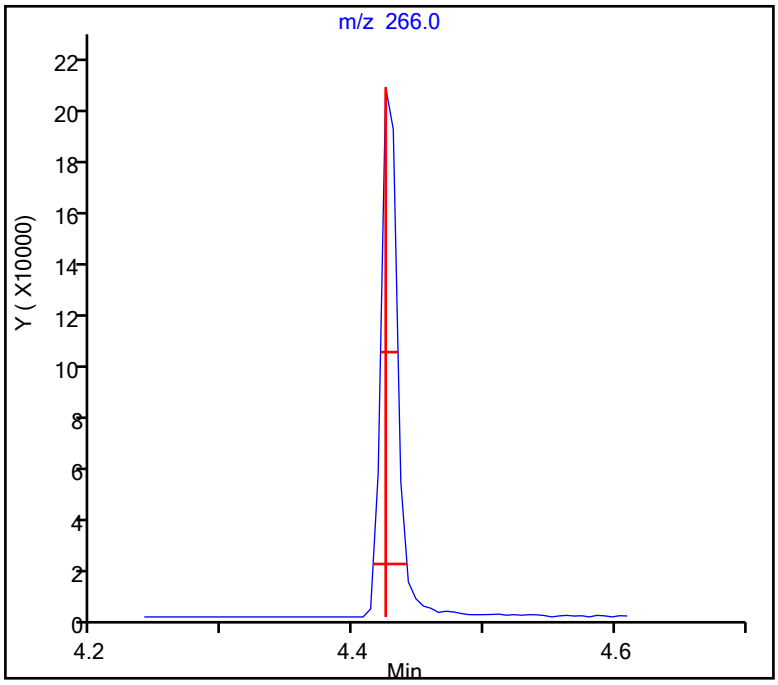
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2350a.D
Injection Date: 23-Feb-2023 21:21:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS SCAN

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



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

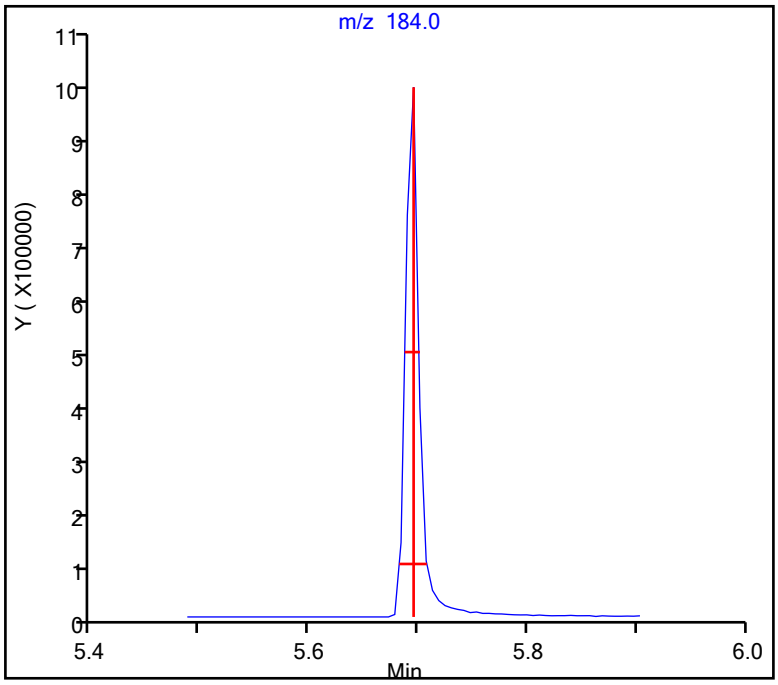
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2350a.D
Injection Date: 23-Feb-2023 21:21:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-347489/1-A

Matrix: Water
Lab File ID: DB2353.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:29

Sample wt/vol: 250(mL)
Date Analyzed: 02/23/2023 23:19

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.: 347567
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)	72		10-150
321-60-8	2-Fluorobiphenyl (Surr)	80		44-120
367-12-4	2-Fluorophenol (Surr)	38		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	75		25-125
4165-62-2	Phenol-d5 (Surr)	26		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	85		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2353.D
Lims ID: MB 410-347489/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Feb-2023 23:19:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-347489/1-A
Misc. Info.: 410-0077707-004
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:09:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
7 2-Picoline	93		2.494				ND		
$ 10 2-Fluorophenol	112	2.986	2.989	-0.003	93	554198	50.0	19.2	
15 Benzaldehyde	77		3.829				ND		7
$ 16 Phenol-d5	99	3.884	3.881	0.003	95	504675	50.0	12.8	
17 Phenol	94		3.899				ND		7
19 Bis(2-chloroethyl)ether	93		3.992				ND		7
20 2-Chlorophenol	128		4.044				ND		7
* 22 1,4-Dichlorobenzene-d4	152	4.251	4.248	0.003	96	105216	5.00	5.00	
28 2-Methylphenol	108		4.487				ND		
29 2,2'-oxybis[1-chloropropane]	45		4.511				ND		
34 Acetophenone	105		4.633				ND		
32 4-Methylphenol	108		4.633				ND		
33 N-Nitrosodi-n-propylamine	70		4.633				ND		
38 Hexachloroethane	117		4.732				ND		
$ 39 Nitrobenzene-d5	82	4.781	4.779	0.002	85	699947	25.0	18.7	
40 Nitrobenzene	77		4.796				ND		7
43 Isophorone	82		5.029				ND		7
44 2-Nitrophenol	139		5.099				ND		
45 2,4-Dimethylphenol	107		5.146				ND		
47 Bis(2-chloroethoxy)methane	93		5.239				ND		
48 2,4-Dichlorophenol	162		5.332				ND		
* 50 Naphthalene-d8	136	5.469	5.467	0.002	100	361550	5.00	5.00	
51 Naphthalene	128		5.484				ND		
53 4-Chloroaniline	127		5.542				ND		
56 Hexachlorobutadiene	225		5.606				ND		
61 Caprolactam	113		5.863				ND		
64 4-Chloro-3-methylphenol	107		6.009				ND		
66 2-Methylnaphthalene	142		6.148				ND		
68 Hexachlorocyclopentadiene	237		6.294				ND		
71 2,4,6-Trichlorophenol	196		6.417				ND		
72 2,4,5-Trichlorophenol	196		6.452				ND		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 73 2-Fluorobiphenyl (Surr)	172	6.501	6.498	0.003	100	1200371	25.0	19.9	
75 1,1'-Biphenyl	154		6.591					ND	7
76 2-Chloronaphthalene	162		6.609					ND	
79 2-Nitroaniline	138		6.714					ND	
85 Dimethyl phthalate	163		6.889					ND	
87 2,6-Dinitrotoluene	165		6.947					ND	
88 Acenaphthylene	152		6.999					ND	
89 3-Nitroaniline	138		7.099					ND	
* 90 Acenaphthene-d10	164	7.136	7.134	0.002	96	205452	5.00	5.00	
91 Acenaphthene	153		7.163					ND	
92 2,4-Dinitrophenol	184		7.203					ND	
93 4-Nitrophenol	109		7.268					ND	
95 2,4-Dinitrotoluene	165		7.326					ND	
96 Dibenzofuran	168		7.332					ND	
100 Diethyl phthalate	149		7.559					ND	
102 Fluorene	166		7.652					ND	
103 4-Chlorophenyl phenyl ether	204		7.658					ND	
105 4-Nitroaniline	138		7.676					ND	
106 4,6-Dinitro-2-methylphenol	198		7.705					ND	
107 N-Nitrosodiphenylamine	169		7.775					ND	
$ 109 2,4,6-Tribromophenol	330	7.882	7.880	0.002	93	353851	50.0	35.9	
116 4-Bromophenyl phenyl ether	248		8.124					ND	
118 Hexachlorobenzene	284		8.165					ND	
120 Atrazine	200		8.288					ND	
121 Pentachlorophenol	266		8.358					ND	7
* 126 Phenanthrene-d10	188	8.541	8.538	0.003	97	402222	5.00	5.00	
128 Phenanthrene	178		8.562					ND	7
129 Anthracene	178		8.608					ND	7
130 Carbazole	167		8.766					ND	7
133 Di-n-butyl phthalate	149		9.115					ND	7
143 Fluoranthene	202		9.686					ND	7
* 149 Pyrene-d10 (IS)	212	9.887	9.885	0.002	98	425490	5.00	5.00	
150 Pyrene	202		9.902					ND	U
$ 152 p-Terphenyl-d14	244	10.068	10.065	0.003	97	1655581	25.0	21.2	
157 Butyl benzyl phthalate	149		10.567					ND	7
159 3,3'-Dichlorobenzidine	252		11.126					ND	
161 Benzo[a]anthracene	228		11.138					ND	7
162 Chrysene	228		11.179					ND	7
163 Bis(2-ethylhexyl) phthalate	149		11.225					ND	7
165 Di-n-octyl phthalate	149		12.047					ND	7
167 Benzo[b]fluoranthene	252		12.484					ND	7
168 Benzo[k]fluoranthene	252		12.519					ND	7
169 Benzo[a]pyrene	252		12.921					ND	U
* 170 Perylene-d12	264	13.005	12.997	0.008	98	310891	5.00	5.00	
174 Indeno[1,2,3-cd]pyrene	276		14.501					ND	7
175 Dibenz(a,h)anthracene	278		14.548					ND	7
176 Benzo[g,h,i]perylene	276		14.851					ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

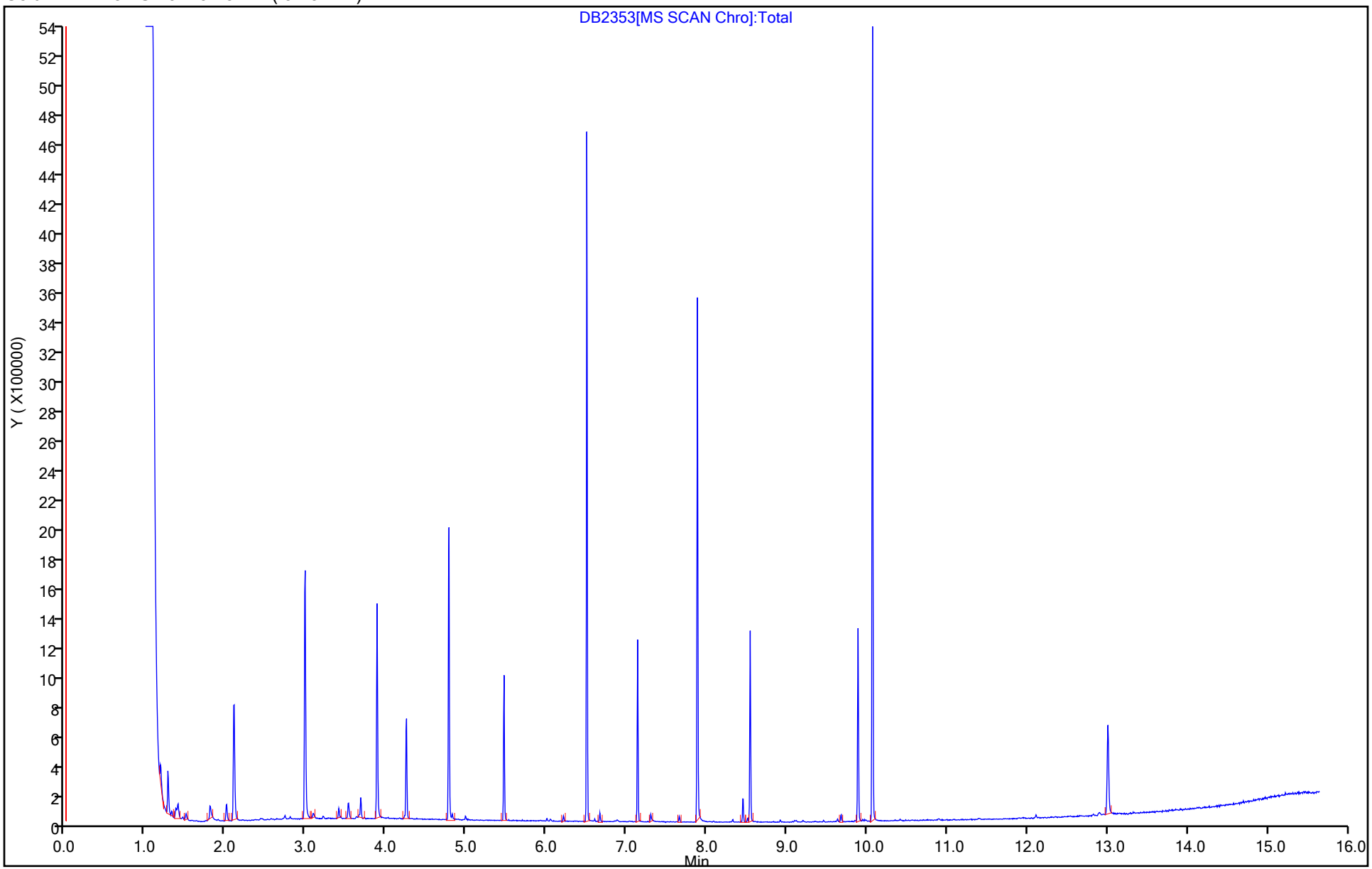
Report Date: 24-Feb-2023 14:48:20 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2353.D

Injection Date:	23-Feb-2023 23:19:30	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	MB 410-347489/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2353.D
Lims ID: MB 410-347489/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Feb-2023 23:19:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-347489/1-A
Misc. Info.: 410-0077707-004
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:09:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	19.2	38.46
$ 16 Phenol-d5	50.0	12.8	25.68
$ 39 Nitrobenzene-d5	25.0	18.7	74.86
$ 73 2-Fluorobiphenyl (Surr)	25.0	19.9	79.66
$ 109 2,4,6-Tribromophenol	50.0	35.9	71.73
$ 152 p-Terphenyl-d14	25.0	21.2	84.94

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-347489/2-A

Matrix: Water
Lab File ID: DB2354.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:29

Sample wt/vol: 250(mL)
Date Analyzed: 02/23/2023 23:39

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.: 347567
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	45		10	3
51-28-5	2,4-Dinitrophenol	69		30	10
95-57-8	2-Chlorophenol	41		2	0.5
86-74-8	Carbazole	51		2	0.5
108-95-2	Phenol	22		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	80		10-150
321-60-8	2-Fluorobiphenyl (Surr)	81		44-120
367-12-4	2-Fluorophenol (Surr)	48		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	77		25-125
4165-62-2	Phenol-d5 (Surr)	36		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	82		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2354.D
Lims ID: LCS 410-347489/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Feb-2023 23:39:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-347489/2-A
Misc. Info.: 410-0077707-005
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:10:00

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	2.986	2.989	-0.003	92	643010	50.0	24.2	
15 Benzaldehyde	77	3.831	3.829	0.002	94	300050	12.5	10.7	
$ 16 Phenol-d5	99	3.884	3.881	0.003	94	652680	50.0	18.0	
17 Phenol	94	3.895	3.899	-0.004	93	203901	12.5	5.55	
19 Bis(2-chloroethyl)ether	93	3.989	3.992	-0.003	97	347280	12.5	11.7	
20 2-Chlorophenol	128	4.041	4.044	-0.003	93	244613	12.5	10.2	
* 22 1,4-Dichlorobenzene-d4	152	4.245	4.248	-0.003	95	96863	5.00	5.00	
28 2-Methylphenol	108	4.484	4.487	-0.003	93	248114	12.5	10.3	
29 2,2'-oxybis[1-chloropropane]	45	4.507	4.511	-0.004	94	342180	12.5	9.87	
34 Acetophenone	105	4.636	4.633	0.003	86	465029	12.5	11.4	
32 4-Methylphenol	108	4.636	4.633	0.003	55	238951	12.5	9.18	
33 N-Nitrosodi-n-propylamine	70	4.630	4.633	-0.003	64	262371	12.5	10.8	
38 Hexachloroethane	117	4.729	4.732	-0.003	92	112527	12.5	9.07	
$ 39 Nitrobenzene-d5	82	4.775	4.779	-0.004	85	662880	25.0	19.2	
40 Nitrobenzene	77	4.793	4.796	-0.003	82	383447	12.5	10.7	
43 Isophorone	82	5.026	5.029	-0.003	96	659943	12.5	11.3	
44 2-Nitrophenol	139	5.102	5.099	0.003	91	127066	12.5	11.0	
45 2,4-Dimethylphenol	107	5.143	5.146	-0.003	97	309406	12.5	11.2	
47 Bis(2-chloroethoxy)methane	93	5.242	5.239	0.003	97	417270	12.5	11.6	
48 2,4-Dichlorophenol	162	5.329	5.332	-0.003	94	222981	12.5	10.7	
* 50 Naphthalene-d8	136	5.463	5.467	-0.004	99	333722	5.00	5.00	
51 Naphthalene	128	5.486	5.484	0.002	98	768931	12.5	10.8	
53 4-Chloroaniline	127	5.545	5.542	0.003	93	288178	12.5	10.3	
56 Hexachlorobutadiene	225	5.603	5.606	-0.003	94	154849	12.5	8.68	
61 Caprolactam	113	5.860	5.863	-0.003	88	22094	12.5	3.36	
64 4-Chloro-3-methylphenol	107	6.011	6.009	0.002	92	244656	12.5	10.8	
66 2-Methylnaphthalene	142	6.145	6.138	-0.003	91	476461	12.5	10.8	
68 Hexachlorocyclopentadiene	237	6.297	6.294	0.003	92	136991	12.5	6.57	
71 2,4,6-Trichlorophenol	196	6.419	6.417	0.002	81	186298	12.5	12.0	
72 2,4,5-Trichlorophenol	196	6.448	6.452	-0.004	95	199928	12.5	11.8	
$ 73 2-Fluorobiphenyl (Surr)	172	6.501	6.498	0.003	99	1103903	25.0	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
75 1,1'-Biphenyl	154	6.594	6.591	0.003	94	635131	12.5	11.1	
76 2-Chloronaphthalene	162	6.606	6.609	-0.003	94	490704	12.5	11.0	
79 2-Nitroaniline	138	6.711	6.714	-0.004	79	143781	12.5	12.7	
85 Dimethyl phthalate	163	6.891	6.889	0.002	98	563001	12.5	11.5	
87 2,6-Dinitrotoluene	165	6.944	6.947	-0.003	93	131797	12.5	12.3	
88 Acenaphthylene	152	7.002	6.999	0.003	99	768384	12.5	12.5	
89 3-Nitroaniline	138	7.101	7.099	0.002	89	124462	12.5	12.5	
* 90 Acenaphthene-d10	164	7.130	7.134	-0.004	95	186875	5.00	5.00	
91 Acenaphthene	153	7.165	7.159	0.002	96	523903	12.5	11.8	
92 2,4-Dinitrophenol	184	7.200	7.203	-0.003	88	126100	25.0	17.3	
93 4-Nitrophenol	109	7.270	7.268	0.002	84	82529	25.0	10.8	
95 2,4-Dinitrotoluene	165	7.323	7.326	-0.003	90	181777	12.5	13.2	
96 Dibenzofuran	168	7.328	7.332	-0.004	97	749986	12.5	11.6	
100 Diethyl phthalate	149	7.561	7.559	0.002	98	555191	12.5	11.7	
102 Fluorene	166	7.655	7.652	0.003	93	609133	12.5	11.9	
103 4-Chlorophenyl phenyl ether	204	7.661	7.658	0.003	90	321629	12.5	11.4	
105 4-Nitroaniline	138	7.672	7.676	-0.004	80	120888	12.5	11.1	
106 4,6-Dinitro-2-methylphenol	198	7.701	7.705	-0.004	86	202347	25.0	20.8	
107 N-Nitrosodiphenylamine	169	7.771	7.775	-0.004	62	446771	10.6	10.7	
$ 109 2,4,6-Tribromophenol	330	7.882	7.880	0.002	93	359945	50.0	40.1	
116 4-Bromophenyl phenyl ether	248	8.121	8.124	-0.003	62	201445	12.5	11.1	
118 Hexachlorobenzene	284	8.168	8.165	0.003	95	215923	12.5	10.4	
120 Atrazine	200	8.284	8.288	-0.004	94	190360	12.5	12.1	
121 Pentachlorophenol	266	8.360	8.358	0.002	94	261366	25.0	22.5	
* 126 Phenanthrene-d10	188	8.535	8.538	-0.003	97	378622	5.00	5.00	
128 Phenanthrene	178	8.558	8.553	-0.004	98	935003	12.5	11.6	
129 Anthracene	178	8.605	8.608	-0.003	98	945344	12.5	12.1	
130 Carbazole	167	8.768	8.766	0.002	95	845751	12.5	12.7	
133 Di-n-butyl phthalate	149	9.112	9.115	-0.003	100	901399	12.5	12.6	
143 Fluoranthene	202	9.683	9.686	-0.003	98	1086270	12.5	12.5	
* 149 Pyrene-d10 (IS)	212	9.881	9.885	-0.004	98	402459	5.00	5.00	
150 Pyrene	202	9.899	9.902	-0.003	97	1126268	12.5	11.5	
$ 152 p-Terphenyl-d14	244	10.062	10.065	-0.003	97	1516249	25.0	20.6	
157 Butyl benzyl phthalate	149	10.563	10.567	-0.004	95	331823	12.5	10.4	
159 3,3'-Dichlorobenzidine	252	11.129	11.126	0.003	74	610130	25.0	18.6	
161 Benzo[a]anthracene	228	11.134	11.138	-0.004	99	968675	12.5	11.0	
162 Chrysene	228	11.181	11.179	0.002	97	956141	12.5	10.5	
163 Bis(2-ethylhexyl) phthalate	149	11.222	11.225	-0.003	97	476642	12.5	13.3	E
165 Di-n-octyl phthalate	149	12.044	12.047	-0.003	99	743818	12.5	15.3	E
167 Benzo[b]fluoranthene	252	12.475	12.484	-0.009	96	886902	12.5	10.8	
168 Benzo[k]fluoranthene	252	12.516	12.510	-0.003	99	932871	12.5	11.2	
169 Benzo[a]pyrene	252	12.918	12.912	-0.003	76	779104	12.5	12.0	
* 170 Perylene-d12	264	13.000	12.997	0.003	98	311708	5.00	5.00	
174 Indeno[1,2,3-cd]pyrene	276	14.498	14.498	-0.003	99	673492	12.5	11.8	
175 Dibenz(a,h)anthracene	278	14.544	14.548	-0.004	91	714902	12.5	10.6	
176 Benzo[g,h,i]perylene	276	14.847	14.851	-0.004	98	759008	12.5	10.8	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Feb-2023 14:48:22 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2354.D

Injection Date: 23-Feb-2023 23:39:30 Instrument ID: HP19760 Operator ID: mem41592

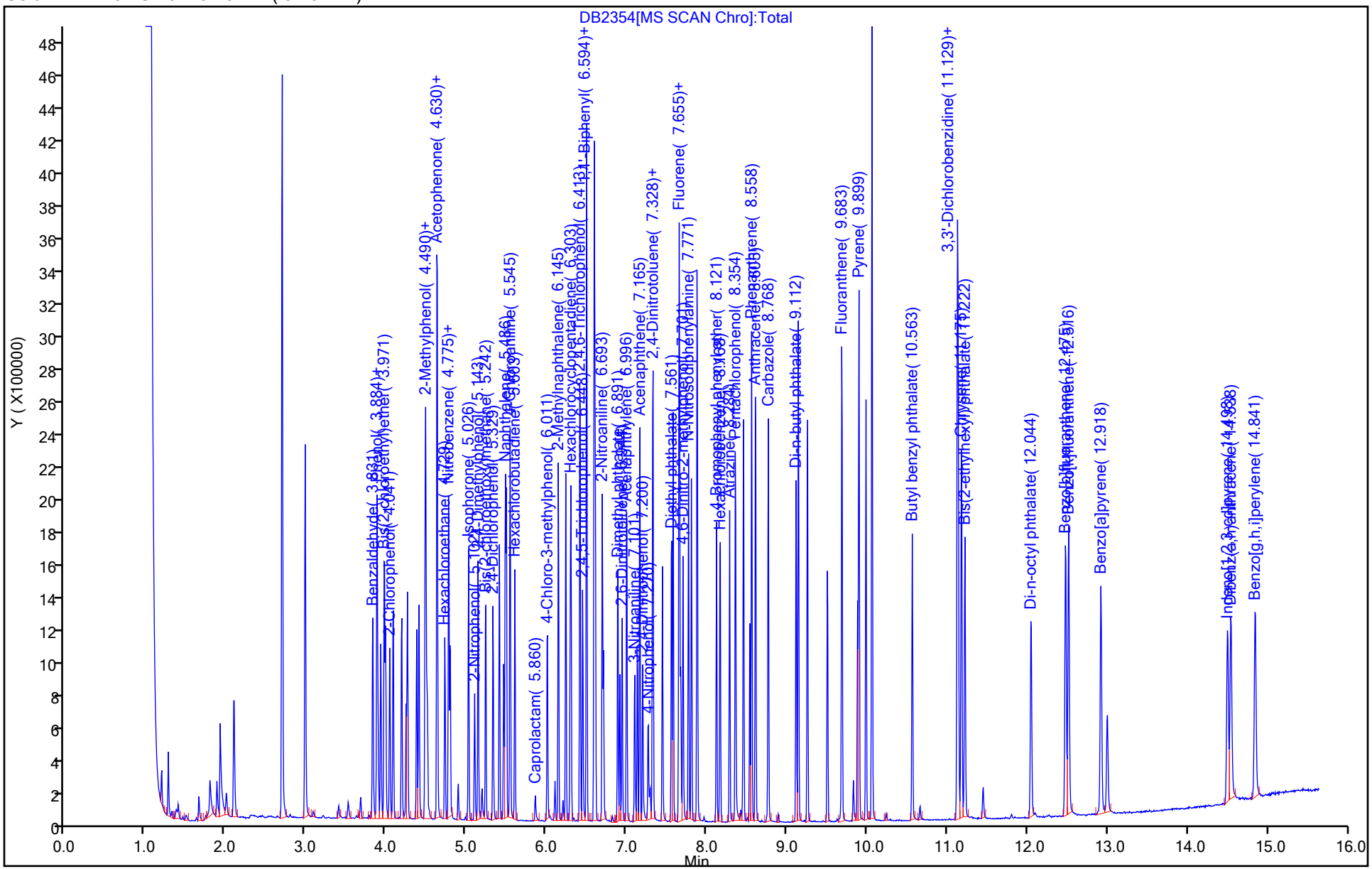
Lims ID: LCS 410-347489/2-A Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2354.D
Lims ID: LCS 410-347489/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Feb-2023 23:39:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-347489/2-A
Misc. Info.: 410-0077707-005
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:10:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	24.2	48.48
$ 16 Phenol-d5	50.0	18.0	36.08
$ 39 Nitrobenzene-d5	25.0	19.2	76.81
$ 73 2-Fluorobiphenyl (Surr)	25.0	20.1	80.54
$ 109 2,4,6-Tribromophenol	50.0	40.1	80.22
$ 152 p-Terphenyl-d14	25.0	20.6	82.24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-347489/3-A

Matrix: Water
Lab File ID: DB2355.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:29

Sample wt/vol: 250(mL)
Date Analyzed: 02/24/2023 00:00

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.: 347567
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	44		10	3
51-28-5	2,4-Dinitrophenol	67		30	10
95-57-8	2-Chlorophenol	40		2	0.5
86-74-8	Carbazole	53		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)	79		44-120
367-12-4	2-Fluorophenol (Surr)	53		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	77		25-125
4165-62-2	Phenol-d5 (Surr)	40		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\HP19760\20230223-77707.b\DB2355.D
Lims ID: LCSD 410-347489/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 24-Feb-2023 00:00:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-347489/3-A
Misc. Info.: 410-0077707-006
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:10:57

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	2.986	2.989	-0.003	92	700524	50.0	26.5	
15 Benzaldehyde	77	3.831	3.829	0.002	95	280862	12.5	10.0	
$ 16 Phenol-d5	99	3.884	3.881	0.003	95	721819	50.0	20.0	
17 Phenol	94	3.895	3.899	-0.004	93	220627	12.5	6.02	
19 Bis(2-chloroethyl)ether	93	3.988	3.992	-0.004	98	337002	12.5	11.4	
20 2-Chlorophenol	128	4.041	4.044	-0.003	93	240126	12.5	10.1	
* 22 1,4-Dichlorobenzene-d4	152	4.245	4.248	-0.003	95	96546	5.00	5.00	
28 2-Methylphenol	108	4.484	4.487	-0.003	95	244426	12.5	10.2	
29 2,2'-oxybis[1-chloropropane]	45	4.507	4.511	-0.004	95	326718	12.5	9.46	
34 Acetophenone	105	4.630	4.633	-0.003	86	450368	12.5	11.1	
32 4-Methylphenol	108	4.635	4.633	0.002	56	242049	12.5	9.33	
33 N-Nitrosodi-n-propylamine	70	4.630	4.633	-0.003	65	252182	12.5	10.4	
38 Hexachloroethane	117	4.729	4.732	-0.003	91	103634	12.5	8.38	
$ 39 Nitrobenzene-d5	82	4.775	4.779	-0.004	85	650197	25.0	19.2	
40 Nitrobenzene	77	4.793	4.796	-0.003	83	368175	12.5	10.5	
43 Isophorone	82	5.026	5.029	-0.003	96	648371	12.5	11.3	
44 2-Nitrophenol	139	5.102	5.099	0.003	91	127355	12.5	11.2	
45 2,4-Dimethylphenol	107	5.143	5.146	-0.003	97	300178	12.5	11.1	
47 Bis(2-chloroethoxy)methane	93	5.236	5.239	-0.003	98	400945	12.5	11.4	
48 2,4-Dichlorophenol	162	5.329	5.332	-0.003	95	216492	12.5	10.6	
* 50 Naphthalene-d8	136	5.463	5.467	-0.004	100	327181	5.00	5.00	
51 Naphthalene	128	5.486	5.484	0.002	98	747867	12.5	10.7	
53 4-Chloroaniline	127	5.545	5.542	0.003	93	238226	12.5	8.71	
56 Hexachlorobutadiene	225	5.603	5.606	-0.003	94	148449	12.5	8.49	
61 Caprolactam	113	5.859	5.863	-0.004	86	25646	12.5	3.97	
64 4-Chloro-3-methylphenol	107	6.005	6.009	-0.004	91	244536	12.5	11.0	
66 2-Methylnaphthalene	142	6.145	6.138	-0.003	91	477976	12.5	11.0	
68 Hexachlorocyclopentadiene	237	6.297	6.294	0.003	93	138469	12.5	6.54	
71 2,4,6-Trichlorophenol	196	6.419	6.417	0.002	80	177850	12.5	11.3	
72 2,4,5-Trichlorophenol	196	6.448	6.452	-0.004	94	196994	12.5	11.4	
$ 73 2-Fluorobiphenyl (Surr)	172	6.501	6.498	0.003	100	1100433	25.0	19.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
75 1,1'-Biphenyl	154	6.594	6.591	0.003	95	628087	12.5	10.8	
76 2-Chloronaphthalene	162	6.606	6.609	-0.003	94	493323	12.5	10.9	
79 2-Nitroaniline	138	6.710	6.714	-0.004	78	146145	12.5	12.7	
85 Dimethyl phthalate	163	6.891	6.889	0.002	98	526517	12.5	10.6	
87 2,6-Dinitrotoluene	165	6.944	6.947	-0.003	93	131627	12.5	12.1	
88 Acenaphthylene	152	6.996	6.999	-0.003	99	764061	12.5	12.3	
89 3-Nitroaniline	138	7.101	7.099	0.002	89	119067	12.5	11.8	
* 90 Acenaphthene-d10	164	7.130	7.134	-0.004	96	189846	5.00	5.00	
91 Acenaphthene	153	7.165	7.159	0.002	96	514031	12.5	11.4	
92 2,4-Dinitrophenol	184	7.200	7.203	-0.003	87	124103	25.0	16.7	
93 4-Nitrophenol	109	7.264	7.268	-0.004	84	99247	25.0	12.8	
95 2,4-Dinitrotoluene	165	7.322	7.326	-0.004	86	185990	12.5	13.3	
96 Dibenzofuran	168	7.328	7.332	-0.004	97	732003	12.5	11.2	
100 Diethyl phthalate	149	7.561	7.559	0.002	98	551422	12.5	11.5	
102 Fluorene	166	7.649	7.652	-0.003	93	602893	12.5	11.6	
103 4-Chlorophenyl phenyl ether	204	7.661	7.658	0.002	89	317667	12.5	11.1	
105 4-Nitroaniline	138	7.672	7.676	-0.004	80	124943	12.5	11.3	
106 4,6-Dinitro-2-methylphenol	198	7.701	7.705	-0.004	87	208077	25.0	21.5	
107 N-Nitrosodiphenylamine	169	7.771	7.775	-0.004	62	450059	10.6	10.9	
$ 109 2,4,6-Tribromophenol	330	7.876	7.880	-0.004	93	368006	50.0	40.4	
116 4-Bromophenyl phenyl ether	248	8.121	8.124	-0.003	62	200953	12.5	11.1	
118 Hexachlorobenzene	284	8.168	8.165	0.003	95	218868	12.5	10.7	
120 Atrazine	200	8.284	8.288	-0.004	94	190700	12.5	12.2	
121 Pentachlorophenol	266	8.354	8.358	-0.004	93	262665	25.0	22.8	
* 126 Phenanthrene-d10	188	8.535	8.538	-0.003	97	375865	5.00	5.00	
128 Phenanthrene	178	8.558	8.553	-0.004	98	944924	12.5	11.8	
129 Anthracene	178	8.605	8.608	-0.003	97	967950	12.5	12.5	
130 Carbazole	167	8.768	8.766	0.002	95	869682	12.5	13.1	
133 Di-n-butyl phthalate	149	9.112	9.115	-0.003	100	918013	12.5	12.9	
143 Fluoranthene	202	9.683	9.686	-0.003	98	1093812	12.5	12.7	
* 149 Pyrene-d10 (IS)	212	9.881	9.885	-0.004	98	401469	5.00	5.00	
150 Pyrene	202	9.899	9.902	-0.003	97	1171568	12.5	12.0	
$ 152 p-Terphenyl-d14	244	10.062	10.065	-0.003	97	1647141	25.0	22.4	
157 Butyl benzyl phthalate	149	10.563	10.567	-0.004	95	342134	12.5	10.8	
159 3,3'-Dichlorobenzidine	252	11.129	11.126	0.003	73	547990	25.0	16.7	
161 Benzo[a]anthracene	228	11.134	11.138	-0.004	98	1017780	12.5	11.6	
162 Chrysene	228	11.175	11.179	-0.004	97	988433	12.5	10.9	
163 Bis(2-ethylhexyl) phthalate	149	11.222	11.225	-0.003	97	512668	12.5	14.3	E
165 Di-n-octyl phthalate	149	12.044	12.047	-0.003	99	787560	12.5	15.9	E
167 Benzo[b]fluoranthene	252	12.475	12.484	-0.009	96	949293	12.5	11.4	
168 Benzo[k]fluoranthene	252	12.516	12.510	-0.003	98	997806	12.5	11.8	
169 Benzo[a]pyrene	252	12.918	12.912	-0.003	76	826831	12.5	12.5	
* 170 Perylene-d12	264	12.994	12.997	-0.003	99	317300	5.00	5.00	
174 Indeno[1,2,3-cd]pyrene	276	14.498	14.498	-0.003	99	729972	12.5	12.5	
175 Dibenz(a,h)anthracene	278	14.538	14.548	-0.010	92	761289	12.5	11.1	
176 Benzo[g,h,i]perylene	276	14.841	14.851	-0.010	98	824889	12.5	11.5	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

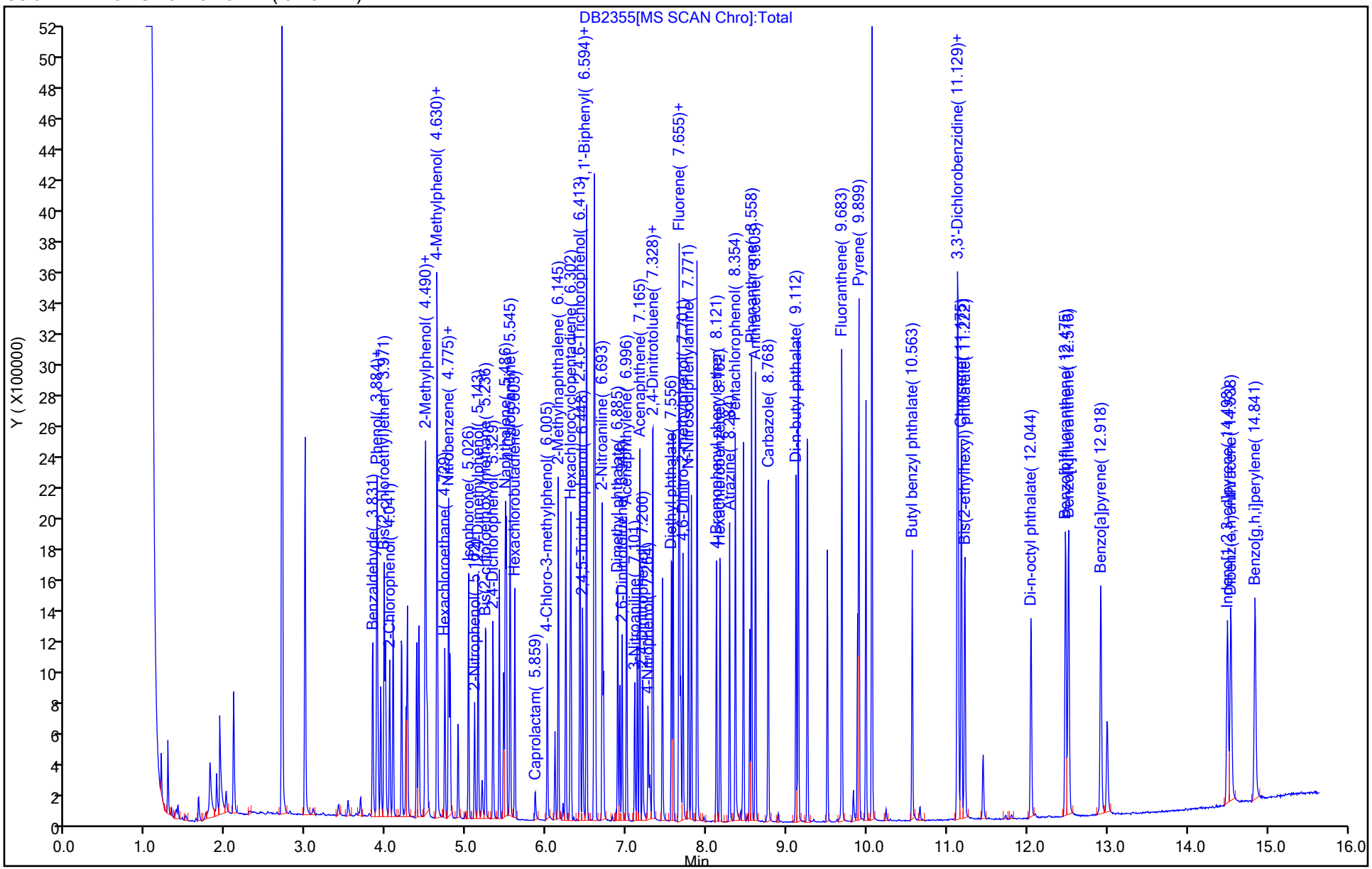
Report Date: 24-Feb-2023 14:48:24 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2355.D

Injection Date:	24-Feb-2023 00:00:30	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	LCSD 410-347489/3-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2355.D
Lims ID: LCSD 410-347489/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 24-Feb-2023 00:00:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-347489/3-A
Misc. Info.: 410-0077707-006
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:10:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	26.5	52.99
$ 16 Phenol-d5	50.0	20.0	40.03
$ 39 Nitrobenzene-d5	25.0	19.2	76.84
$ 73 2-Fluorobiphenyl (Surr)	25.0	19.8	79.03
$ 109 2,4,6-Tribromophenol	50.0	40.4	80.73
$ 152 p-Terphenyl-d14	25.0	22.4	89.56

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MS_022023 MS
Lab Sample ID: 410-115936-1 MS

Matrix: Water
Lab File ID: DB2359.D

Analysis Method: 8270D
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:29

Sample wt/vol: 247.5(mL)
Date Analyzed: 02/24/2023 01:21

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.: 347567
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	45		10	3
51-28-5	2,4-Dinitrophenol	53		30	10
95-57-8	2-Chlorophenol	43		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)	77		10-150
321-60-8	2-Fluorobiphenyl (Surr)	81		44-120
367-12-4	2-Fluorophenol (Surr)	55		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	74		25-125
4165-62-2	Phenol-d5 (Surr)	41		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	72		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2359.D
Lims ID: 410-115936-E-1-B MS
Client ID: FBS010-MS_022023
Sample Type: MS
Inject. Date: 24-Feb-2023 01:21:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-E-1-B MS
Misc. Info.: 410-0077707-010
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:13:57

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	2.986	2.989	-0.003	92	684696	50.0	27.3	
$ 16 Phenol-d5	99	3.884	3.881	0.003	95	694120	50.0	20.3	
17 Phenol	94	3.895	3.899	-0.004	92	221514	12.5	6.38	
20 2-Chlorophenol	128	4.041	4.044	-0.003	94	238948	12.5	10.6	
* 22 1,4-Dichlorobenzene-d4	152	4.245	4.248	-0.003	95	91441	5.00	5.00	
$ 39 Nitrobenzene-d5	82	4.776	4.779	-0.003	85	603347	25.0	18.5	
45 2,4-Dimethylphenol	107	5.143	5.146	-0.003	97	288590	12.5	11.0	
* 50 Naphthalene-d8	136	5.463	5.467	-0.004	99	315611	5.00	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.501	6.498	0.003	100	1075889	25.0	20.3	
* 90 Acenaphthene-d10	164	7.130	7.134	-0.004	96	180407	5.00	5.00	
92 2,4-Dinitrophenol	184	7.200	7.203	-0.003	87	92516	25.0	13.1	
$ 109 2,4,6-Tribromophenol	330	7.876	7.880	-0.004	93	331912	50.0	38.3	
* 126 Phenanthrene-d10	188	8.535	8.538	-0.003	97	364476	5.00	5.00	
130 Carbazole	167	8.768	8.766	0.002	95	803779	12.5	12.5	
* 149 Pyrene-d10 (IS)	212	9.881	9.885	-0.004	98	377098	5.00	5.00	
$ 152 p-Terphenyl-d14	244	10.062	10.065	-0.003	97	1244284	25.0	18.0	
* 170 Perylene-d12	264	12.994	12.997	-0.003	98	303868	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

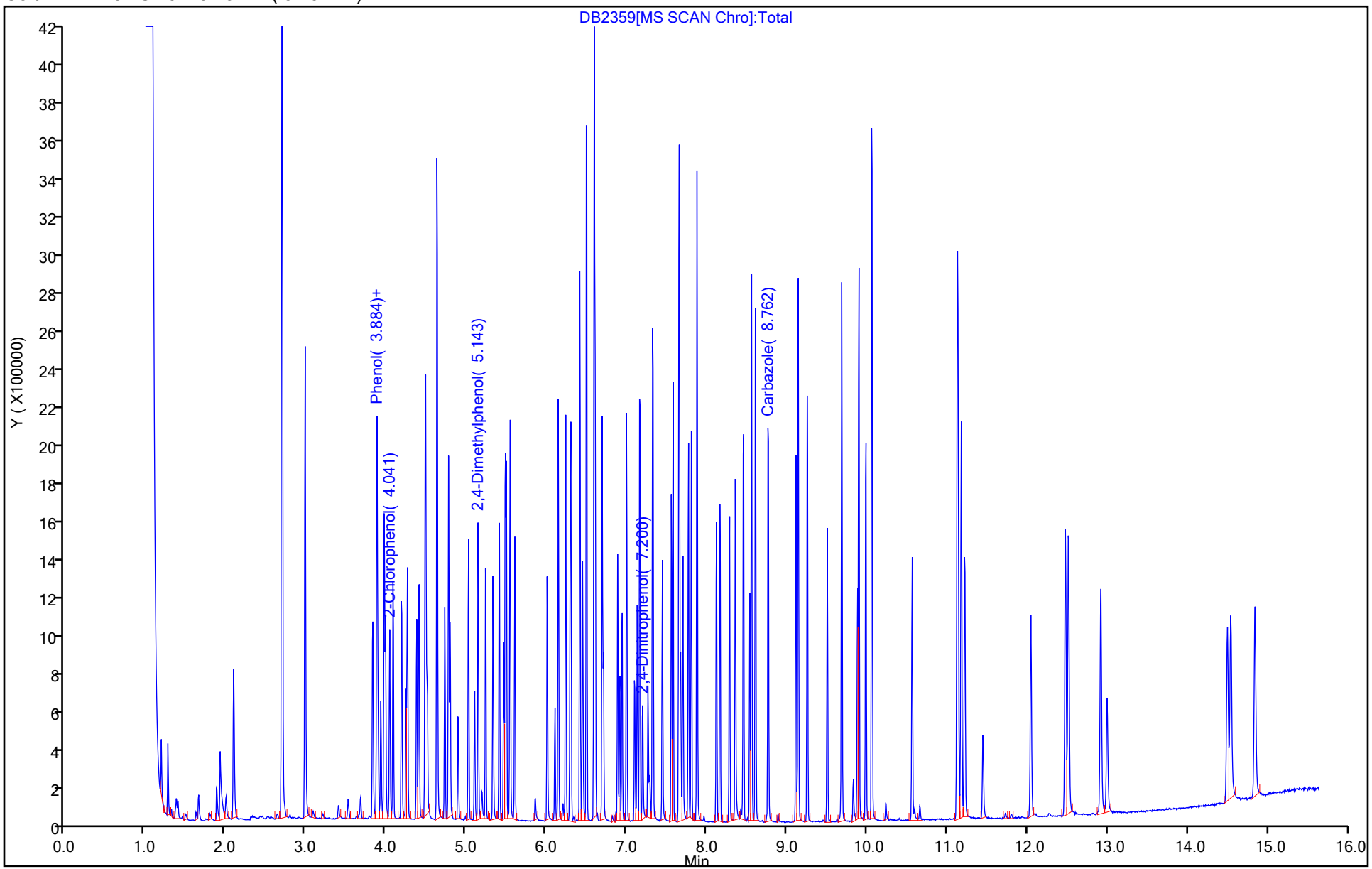
MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Feb-2023 14:48:32 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2359.D				
Injection Date:	24-Feb-2023 01:21:30	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-115936-E-1-B MS			Worklist Smp#:	10
Client ID:	FBS010-MS_022023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2359.D
Lims ID: 410-115936-E-1-B MS
Client ID: FBS010-MS_022023
Sample Type: MS
Inject. Date: 24-Feb-2023 01:21:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-E-1-B MS
Misc. Info.: 410-0077707-010
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:13:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	27.3	54.68
$ 16 Phenol-d5	50.0	20.3	40.64
$ 39 Nitrobenzene-d5	25.0	18.5	73.92
$ 73 2-Fluorobiphenyl (Surr)	25.0	20.3	81.31
$ 109 2,4,6-Tribromophenol	50.0	38.3	76.62
$ 152 p-Terphenyl-d14	25.0	18.0	72.03

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MSD_022023 MSD
Lab Sample ID: 410-115936-1 MSD

Matrix: Water
Lab File ID: DB2360.D

Analysis Method: 8270D
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:29

Sample wt/vol: 246.4(mL)
Date Analyzed: 02/24/2023 01:41

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.: 347567
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	55		30	10
95-57-8	2-Chlorophenol	48		2	0.5
86-74-8	Carbazole	58		2	0.5
108-95-2	Phenol	28		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	86		10-150
321-60-8	2-Fluorobiphenyl (Surr)	90		44-120
367-12-4	2-Fluorophenol (Surr)	57		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	83		25-125
4165-62-2	Phenol-d5 (Surr)	44		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	93		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2360.D
Lims ID: 410-115936-E-1-C MSD
Client ID: FBS010-MSD_022023
Sample Type: MSD
Inject. Date: 24-Feb-2023 01:41:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-E-1-C MSD
Misc. Info.: 410-0077707-011
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Feb-2023 14:46:53 Calib Date: 22-Feb-2023 23:41:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: W6XI Date: 24-Feb-2023 14:14:35

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	2.986	2.989	-0.003	92	729438	50.0	28.5	
$ 16 Phenol-d5	99	3.884	3.881	0.003	96	762531	50.0	21.9	
17 Phenol	94	3.895	3.899	-0.004	91	244695	12.5	6.91	
20 2-Chlorophenol	128	4.041	4.044	-0.003	93	273164	12.5	11.9	
* 22 1,4-Dichlorobenzene-d4	152	4.245	4.248	-0.003	95	93312	5.00	5.00	
$ 39 Nitrobenzene-d5	82	4.775	4.779	-0.004	85	695130	25.0	20.8	
45 2,4-Dimethylphenol	107	5.143	5.146	-0.003	97	344429	12.5	12.9	
* 50 Naphthalene-d8	136	5.463	5.467	-0.004	99	322318	5.00	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.501	6.498	0.003	99	1248958	25.0	22.6	
* 90 Acenaphthene-d10	164	7.130	7.134	-0.004	95	188598	5.00	5.00	
92 2,4-Dinitrophenol	184	7.200	7.203	-0.003	87	99413	25.0	13.5	
$ 109 2,4,6-Tribromophenol	330	7.876	7.880	-0.004	93	391243	50.0	43.2	
* 126 Phenanthrene-d10	188	8.535	8.538	-0.003	97	376431	5.00	5.00	
130 Carbazole	167	8.762	8.766	-0.004	95	946390	12.5	14.3	
* 149 Pyrene-d10 (IS)	212	9.881	9.885	-0.004	98	390702	5.00	5.00	
$ 152 p-Terphenyl-d14	244	10.056	10.065	-0.009	97	1665387	25.0	23.3	
* 170 Perylene-d12	264	12.994	12.997	-0.003	99	300136	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

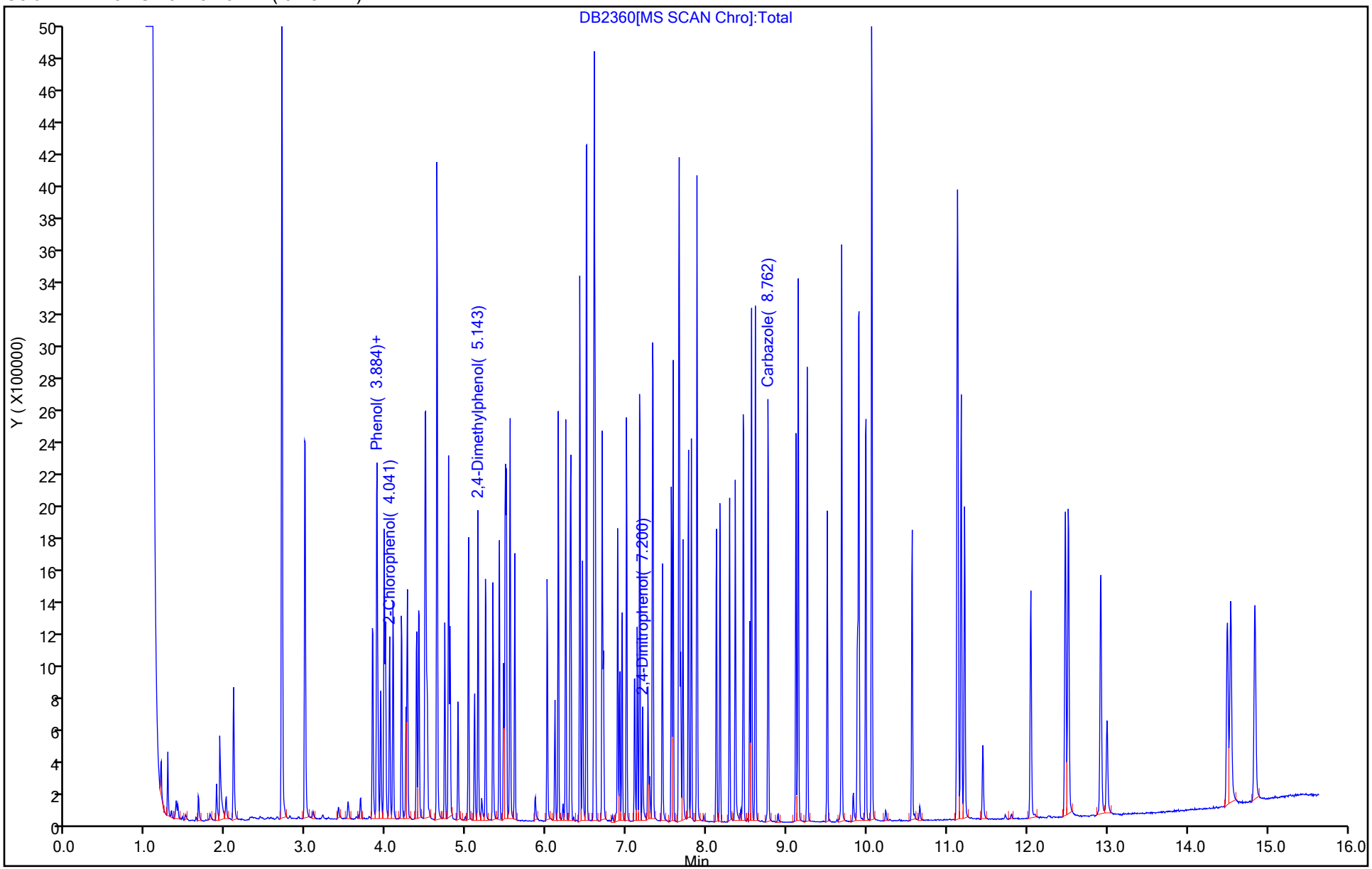
MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Feb-2023 14:48:34 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2360.D				
Injection Date:	24-Feb-2023 01:41:30	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-115936-E-1-C MSD			Worklist Smp#:	11
Client ID:	FBS010-MSD_022023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\DB2360.D				
Lims ID:	410-115936-E-1-C MSD				
Client ID:	FBS010-MSD_022023				
Sample Type:	MSD				
Inject. Date:	24-Feb-2023 01:41:30	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-E-1-C MSD				
Misc. Info.:	410-0077707-011				
Operator ID:	mem41592	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20230223-77707.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	24-Feb-2023 14:46:53	Calib Date:	22-Feb-2023 23:41:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20230222-77602.b\DB2261.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1650				

First Level Reviewer: W6XI Date: 24-Feb-2023 14:14:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	28.5	57.09
$ 16 Phenol-d5	50.0	21.9	43.75
$ 39 Nitrobenzene-d5	25.0	20.8	83.39
$ 73 2-Fluorobiphenyl (Surr)	25.0	22.6	90.29
$ 109 2,4,6-Tribromophenol	50.0	43.2	86.40
$ 152 p-Terphenyl-d14	25.0	23.3	93.05

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Instrument ID: HP19760 Start Date: 11/07/2022 18:35

Analysis Batch Number: 314883 End Date: 11/08/2022 01:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-314883/1		11/07/2022 18:35	1	DK0700b.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-314883/2		11/07/2022 18:52	1	DK0701a.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/3		11/07/2022 19:20	1	DK0702.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/4		11/07/2022 19:41	1	DK0703.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/5		11/07/2022 20:02	1	DK0704.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/6		11/07/2022 20:23	1	DK0705.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/7		11/07/2022 20:44	1	DK0706.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/8		11/07/2022 21:04	1	DK0707.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/9		11/07/2022 21:25	1	DK0708.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-314883/10		11/07/2022 21:46	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-314883/11		11/07/2022 22:07	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-314883/12		11/07/2022 22:28	1	DK0711.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-314883/13		11/07/2022 22:48	1	DK0712.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-314883/14		11/07/2022 23:09	1	DK0713.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/15		11/07/2022 23:30	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/16		11/07/2022 23:50	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/17		11/08/2022 00:11	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/18		11/08/2022 00:32	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/19		11/08/2022 00:52	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/20		11/08/2022 01:13	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-314883/21		11/08/2022 01:34	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-314883/22		11/08/2022 01:54	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Instrument ID: HP19760 Start Date: 02/23/2023 21:21

Analysis Batch Number: 347567 End Date: 02/24/2023 06:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-347567/1		02/23/2023 21:21	1	DB2350a.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-347567/2		02/23/2023 21:39	1	DB2351.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-347567/3		02/23/2023 22:11	1		DB-5MS 30m 0.25 0.25(mm)
MB 410-347489/1-A		02/23/2023 23:19	1	DB2353.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-347489/2-A		02/23/2023 23:39	1	DB2354.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-347489/3-A		02/24/2023 00:00	1	DB2355.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 00:20	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 00:40	1		DB-5MS 30m 0.25 0.25(mm)
410-115936-1	FBS010_022023	02/24/2023 01:01	1	DB2358.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-1 MS	FBS010-MS_022023 MS	02/24/2023 01:21	1	DB2359.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-1 MSD	FBS010-MSD_022023 MSD	02/24/2023 01:41	1	DB2360.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 02:22	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 02:42	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 03:03	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 03:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 04:04	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 04:24	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 04:45	1		DB-5MS 30m 0.25 0.25(mm)
410-115936-2	Dup-01_022023	02/24/2023 05:05	1	DB2370.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-4	FB-01_022023	02/24/2023 05:26	1	DB2371.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 05:46	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 06:06	1		DB-5MS 30m 0.25 0.25(mm)
410-115936-3	FBW001_022023	02/24/2023 06:47	1	DB2375.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-115936-1

SDG No.:

Batch Number: 314883 Batch Start Date: 11/07/22 18:35 Batch Analyst: Monborne, Edward M

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	MSS_FVICV_HCP 00009	MSS_RV8270_1 00026	MSS_RV8270_2 00027	MSS_RV8270_3 00024
DFTPP 410-314883/1		8270D		1 mL	Perform Calculation left blank				
ICIS 410-314883/2		8270D		1 mL	Perform Calculation left blank				
IC 410-314883/3		8270D		1 mL	Perform Calculation left blank		1 mL		
IC 410-314883/4		8270D		1 mL	Perform Calculation left blank			1 mL	
IC 410-314883/5		8270D		1 mL	Perform Calculation left blank				
IC 410-314883/6		8270D		1 mL	Perform Calculation left blank				
IC 410-314883/7		8270D		1 mL	Perform Calculation left blank				
IC 410-314883/8		8270D		1 mL	Perform Calculation left blank				
IC 410-314883/9		8270D		1 mL	Perform Calculation left blank				1 mL
ICV 410-314883/12		8270D		1 mL	Perform Calculation left blank				
ICV 410-314883/13		8270D		1 mL	Perform Calculation left blank				
ICV 410-314883/14		8270D		1 mL	Perform Calculation left blank	1 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RV8270_4 00024	MSS_RV8270_5 00034	MSS_RV8270_6 00036	MSS_RV8270_7 00026	MSS_RV8270_8 00027	MSS_RV8270ICV 00018
DFTPP 410-314883/1		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 Laboratories Job No.: 410-115936-1

SDG No.:

Batch Number: 314883 Batch Start Date: 11/07/22 18:35 Batch Analyst: Monborne, Edward M

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RV8270_4 00024	MSS_RV8270_5 00034	MSS_RV8270_6 00036	MSS_RV8270_7 00026	MSS_RV8270_8 00027	MSS_RV8270ICV 00018
ICIS 410-314883/2		8270D				1 mL			
IC 410-314883/3		8270D							
IC 410-314883/4		8270D							
IC 410-314883/5		8270D						1 mL	
IC 410-314883/6		8270D					1 mL		
IC 410-314883/7		8270D			1 mL				
IC 410-314883/8		8270D		1 mL					
IC 410-314883/9		8270D							
ICV 410-314883/12		8270D							1 mL
ICV 410-314883/13		8270D							
ICV 410-314883/14		8270D							

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVBAS_ICV 00011	MSS_RVDFTPP 00011				
DFTPP 410-314883/1		8270D			1 mL				
ICIS 410-314883/2		8270D							
IC 410-314883/3		8270D							
IC 410-314883/4		8270D							
IC 410-314883/5		8270D							
IC 410-314883/6		8270D							
IC 410-314883/7		8270D							
IC 410-314883/8		8270D							
IC 410-314883/9		8270D							
ICV 410-314883/12		8270D							
ICV 410-314883/13		8270D		1 mL					
ICV 410-314883/14		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 Laboratories | Job No.: 410-115936-1

SDG No.:

Batch Number: 314883 | Batch Start Date: 11/07/22 18:35 | Batch Analyst: Monborne, Edward M

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 Laboratories | Job No.: 410-115936-1

SDG No.:

Batch Number: 347489 | Batch Start Date: 02/23/23 16:29 | Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C | Batch End Date: 02/23/23 21:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 410-347489/1		3510C, 8270D				250 mL	1 mL	N/A SU	11 SU
LCS 410-347489/2		3510C, 8270D				250 mL	1 mL	N/A SU	11 SU
LCSD 410-347489/3		3510C, 8270D				250 mL	1 mL	N/A SU	11 SU
410-115936-E-1 MS	FBS010-MS_022023	3510C, 8270D	T	415.53 g	168.06 g	247.5 mL	1 mL	N/A SU	11 SU
410-115936-E-1 MSD	FBS010-MSD_022023	3510C, 8270D	T	414.16 g	167.74 g	246.4 mL	1 mL	N/A SU	11 SU
410-115936-B-1	FBS010_022023	3510C, 8270D	T	417.88 g	168.74 g	249.1 mL	1 mL	N/A SU	11 SU
410-115936-D-2	Dup-01_022023	3510C, 8270D	T	415.07 g	167.12 g	248 mL	1 mL	N/A SU	11 SU
410-115936-D-4	FB-01_022023	3510C, 8270D	T	415.86 g	168.43 g	247.4 mL	1 mL	N/A SU	11 SU
410-115936-D-3	FBW001_022023	3510C, 8270D	T	412.86 g	166.76 g	246.1 mL	1 mL	N/A SU	11 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	OP_MINIBNA_SS 00080	OP_MINLCS1_MS 00153	OP_MINLCS2_MS 00087	AnalysisComment	
MB 410-347489/1		3510C, 8270D		2 SU	1 mL			Tap water	
LCS 410-347489/2		3510C, 8270D		2 SU	1 mL	1 mL	1 mL	Tap water	
LCSD 410-347489/3		3510C, 8270D		2 SU	1 mL	1 mL	1 mL	Tap water	
410-115936-E-1 MS	FBS010-MS_022023	3510C, 8270D	T	2 SU	1 mL	1 mL	1 mL	Clear	
410-115936-E-1 MSD	FBS010-MSD_022023	3510C, 8270D	T	2 SU	1 mL	1 mL	1 mL	Clear	
410-115936-B-1	FBS010_022023	3510C, 8270D	T	2 SU	1 mL			Clear	
410-115936-D-2	Dup-01_022023	3510C, 8270D	T	2 SU	1 mL			Clear	
410-115936-D-4	FB-01_022023	3510C, 8270D	T	2 SU	1 mL			Clear	
410-115936-D-3	FBW001_022023	3510C, 8270D	T	2 SU	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 Laboratories | Job No.: 410-115936-1

SDG No.:

Batch Number: 347489 | Batch Start Date: 02/23/23 16:29 | Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C | Batch End Date: 02/23/23 21:07

Batch Notes	
Method/Fraction	625_Prep_LVI
Balance ID	93158
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	OS11067 DBH82588 AS86224 SF90133
Analyst ID - Spike Analyst	OS11067
Acid Used for pH Adjustment ID	H2So4:224621
Base Used to Adjust pH ID	NaOH:4202B64
Prep Solvent ID	MeCl2:226057
Prep Solvent Volume Used	90
Na2SO4 ID	23051A
Analyst ID - Concentration	OS11067 DBH82588 AS86224 SF90133
Equipment ID - Concentration 1	BUCHI #1.2
Concentration 1 Corrected Temperature	55 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.

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 En Job No.: 410-115936-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 30m 0 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	MNPd10 #	FLN10 #	BAPd12 #
FBS010_022023	410-115936-1	81	77	79
FBS010_022023 RE	410-115936-1 RE	89	89	80
Dup-01_022023	410-115936-2	80	78	75
Dup-01_022023 RE	410-115936-2 RE	75	88	88
FBW001_022023	410-115936-3	90	90	84
FBW001_022023 RE	410-115936-3 RE	90	94	92
FB-01_022023	410-115936-4	60	75	78
FB-01_022023 RE	410-115936-4 RE	89	90	99
	MB 410-347487/1-A	93	93	99
	MB 410-348351/1-A	95	98	104
	LCS 410-347487/2-A	88	94	92
	LCS 410-348351/2-A	83	92	94
	LCSD 410-347487/3-A	86	84	93
	LCSD 410-348351/3-A	80	91	94
FBS010-MS_022023 MS	410-115936-1 MS	79	93	99
FBS010-MS_022023 MS RE	410-115936-1 MS RE	82	96	99
FBS010-MSD_022023 MSD	410-115936-1 MSD	99	95	95
FBS010-MSD_022023 MSD RE	410-115936-1 MSD RE	75	93	96

	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MB0805.D

Lab ID: LCS 410-347487/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.00	0.524	52	23-120	
1-Methylnaphthalene	1.00	0.751	75	23-124	
2-Methylnaphthalene	1.00	0.703	70	20-133	
Acenaphthene	1.00	0.895	90	42-120	
Acenaphthylene	1.00	0.805	80	49-120	
Anthracene	1.00	0.911	91	54-121	
Benzo[a]anthracene	1.00	0.944	94	61-122	
Benzo[a]pyrene	1.00	0.878	88	60-120	
Benzo[b]fluoranthene	1.00	0.835	83	58-122	
Benzo[g,h,i]perylene	1.00	0.720	72	50-120	
Benzo[k]fluoranthene	1.00	0.856	86	57-128	
Bis(2-chloroethyl)ether	1.00	1.13	113	59-130	
Bis(2-ethylhexyl) phthalate	1.00	0.782 J	78	14-155	
Butylbenzylphthalate	1.00	0.932 J	93	10-120	
Chrysene	1.00	0.816	82	55-123	
Dibenz(a,h)anthracene	1.00	0.708	71	50-121	
Dibenzofuran	1.00	0.813	81	48-124	
Diethylphthalate	1.00	0.917 J	92	38-120	
Dimethylphthalate	1.00	0.859 J	86	10-121	
Di-n-butyl phthalate	1.00	1.26	126	46-125	*+
Di-n-octyl phthalate	1.00	0.604 J	60	22-130	
Fluoranthene	1.00	0.872	87	61-123	
Fluorene	1.00	0.814	81	55-120	
Hexachlorobenzene	1.00	0.761	76	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.779	78	47-143	
Naphthalene	1.00	0.847	85	20-120	
N-Nitrosodimethylamine	1.00	0.848	85	37-120	
Phenanthrene	1.00	0.909	91	59-120	
Pyrene	1.00	0.870	87	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NB0753.D

Lab ID: LCS 410-348351/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.00	0.612	61	23-120	
1-Methylnaphthalene	1.00	0.802	80	23-124	
2-Methylnaphthalene	1.00	0.747	75	20-133	
Acenaphthene	1.00	1.01	101	42-120	
Acenaphthylene	1.00	0.953	95	49-120	
Anthracene	1.00	1.02	102	54-121	
Benzo[a]anthracene	1.00	0.967	97	61-122	
Benzo[a]pyrene	1.00	1.04	104	60-120	
Benzo[b]fluoranthene	1.00	1.01	101	58-122	
Benzo[g,h,i]perylene	1.00	0.965	97	50-120	
Benzo[k]fluoranthene	1.00	1.10	110	57-128	
Bis(2-chloroethyl)ether	1.00	1.10	110	59-130	
Bis(2-ethylhexyl) phthalate	1.00	2.25	225	14-155	*+
Butylbenzylphthalate	1.00	0.836 J	84	10-120	
Chrysene	1.00	0.969	97	55-123	
Dibenz(a,h)anthracene	1.00	0.934	93	50-121	
Dibenzofuran	1.00	0.927	93	48-124	
Diethylphthalate	1.00	1.13	113	38-120	
Dimethylphthalate	1.00	1.05	105	10-121	
Di-n-butyl phthalate	1.00	1.77	177	46-125	*+
Di-n-octyl phthalate	1.00	0.880 J	88	22-130	
Fluoranthene	1.00	0.964	96	61-123	
Fluorene	1.00	0.953	95	55-120	
Hexachlorobenzene	1.00	0.920	92	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.964	96	47-143	
Naphthalene	1.00	0.904	90	20-120	
N-Nitrosodimethylamine	1.00	0.857	86	37-120	
Phenanthrene	1.00	1.06	106	59-120	
Pyrene	1.00	0.991	99	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MB0806.D

Lab ID: LCSD 410-347487/3-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	0.586	59	11	30	23-120	
1-Methylnaphthalene	1.00	0.782	78	4	30	23-124	
2-Methylnaphthalene	1.00	0.735	74	4	30	20-133	
Acenaphthene	1.00	0.901	90	1	30	42-120	
Acenaphthylene	1.00	0.810	81	1	30	49-120	
Anthracene	1.00	0.920	92	1	30	54-121	
Benzo[a]anthracene	1.00	0.931	93	1	30	61-122	
Benzo[a]pyrene	1.00	0.921	92	5	30	60-120	
Benzo[b]fluoranthene	1.00	0.867	87	4	30	58-122	
Benzo[g,h,i]perylene	1.00	0.836	84	15	30	50-120	
Benzo[k]fluoranthene	1.00	0.895	89	4	30	57-128	
Bis(2-chloroethyl)ether	1.00	1.20	120	5	30	59-130	
Bis(2-ethylhexyl) phthalate	1.00	0.862 J	86	10	30	14-155	
Butylbenzylphthalate	1.00	0.879 J	88	6	30	10-120	
Chrysene	1.00	0.840	84	3	30	55-123	
Dibenz(a,h)anthracene	1.00	0.871	87	21	30	50-121	
Dibenzofuran	1.00	0.814	81	0	30	48-124	
Diethylphthalate	1.00	0.923 J	92	1	30	38-120	
Dimethylphthalate	1.00	0.844 J	84	2	30	10-121	
Di-n-butyl phthalate	1.00	1.59	159	23	30	46-125	*+
Di-n-octyl phthalate	1.00	0.764 J	76	23	30	22-130	
Fluoranthene	1.00	0.829	83	5	30	61-123	
Fluorene	1.00	0.818	82	1	30	55-120	
Hexachlorobenzene	1.00	0.768	77	1	30	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.892	89	14	30	47-143	
Naphthalene	1.00	0.870	87	3	30	20-120	
N-Nitrosodimethylamine	1.00	0.901	90	6	30	37-120	
Phenanthrene	1.00	0.904	90	1	30	59-120	
Pyrene	1.00	0.830	83	5	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NB0754.D

Lab ID: LCSD 410-348351/3-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	0.640	64	4	30	23-120	
1-Methylnaphthalene	1.00	0.758	76	6	30	23-124	
2-Methylnaphthalene	1.00	0.712	71	5	30	20-133	
Acenaphthene	1.00	0.959	96	5	30	42-120	
Acenaphthylene	1.00	0.901	90	6	30	49-120	
Anthracene	1.00	0.937	94	9	30	54-121	
Benzo[a]anthracene	1.00	0.890	89	8	30	61-122	
Benzo[a]pyrene	1.00	0.972	97	7	30	60-120	
Benzo[b]fluoranthene	1.00	0.964	96	5	30	58-122	
Benzo[g,h,i]perylene	1.00	0.915	91	5	30	50-120	
Benzo[k]fluoranthene	1.00	1.05	105	5	30	57-128	
Bis(2-chloroethyl)ether	1.00	1.05	105	5	30	59-130	
Bis(2-ethylhexyl) phthalate	1.00	0.866 J	87	89	30	14-155	*1
Butylbenzylphthalate	1.00	0.739 J	74	12	30	10-120	
Chrysene	1.00	0.886	89	9	30	55-123	
Dibenz(a,h)anthracene	1.00	0.897	90	4	30	50-121	
Dibenzofuran	1.00	0.867	87	7	30	48-124	
Diethylphthalate	1.00	1.05	105	7	30	38-120	
Dimethylphthalate	1.00	0.932 J	93	12	30	10-121	
Di-n-butyl phthalate	1.00	2.53	253	35	30	46-125	*+ *1
Di-n-octyl phthalate	1.00	0.785 J	78	12	30	22-130	
Fluoranthene	1.00	0.895	89	7	30	61-123	
Fluorene	1.00	0.882	88	8	30	55-120	
Hexachlorobenzene	1.00	0.879	88	5	30	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.900	90	7	30	47-143	
Naphthalene	1.00	0.880	88	3	30	20-120	
N-Nitrosodimethylamine	1.00	0.864	86	1	30	37-120	
Phenanthrene	1.00	0.937	94	12	30	59-120	
Pyrene	1.00	0.888	89	11	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MB0808.D

Lab ID: 410-115936-1 MS Client ID: FBS010-MS_022023 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,4-Dioxane	1.01	ND	0.501	49	23-120	
1-Methylnaphthalene	1.01	ND	0.732	72	23-124	
2-Methylnaphthalene	1.01	ND	0.686	68	20-133	
Acenaphthene	1.01	ND	0.914	90	42-120	
Acenaphthylene	1.01	ND	0.846	83	49-120	
Anthracene	1.01	ND	0.971	96	54-121	
Benzo[a]anthracene	1.01	ND	1.00	99	61-122	
Benzo[a]pyrene	1.01	ND	0.993	98	60-120	
Benzo[b]fluoranthene	1.01	ND	0.966	95	58-122	
Benzo[g,h,i]perylene	1.01	ND	0.883	87	50-120	
Benzo[k]fluoranthene	1.01	ND	0.966	95	57-128	
Bis(2-chloroethyl)ether	1.01	ND	1.02	101	59-130	
Bis(2-ethylhexyl) phthalate	1.01	ND	0.953 J	94	14-155	
Butylbenzylphthalate	1.01	ND	0.931 J	92	10-120	
Chrysene	1.01	ND	0.912	90	55-123	
Dibenz(a,h)anthracene	1.01	ND	0.920	91	50-121	
Dibenzofuran	1.01	ND	0.833	82	48-124	
Diethylphthalate	1.01	ND	0.964 J	95	38-120	
Dimethylphthalate	1.01	ND	0.918 J	90	10-121	
Di-n-butyl phthalate	1.01	0.26 J	1.28	100	46-125	
Di-n-octyl phthalate	1.01	ND	0.806 J	79	22-130	
Fluoranthene	1.01	ND	0.926	91	61-123	
Fluorene	1.01	ND	0.840	83	55-120	
Hexachlorobenzene	1.01	ND	0.831	82	20-120	
Indeno[1,2,3-cd]pyrene	1.01	ND	0.957	94	47-143	
Naphthalene	1.01	ND	0.792	78	20-120	
N-Nitrosodimethylamine	1.01	ND	0.859	85	37-120	
Phenanthrene	1.01	ND	0.963	95	59-120	
Pyrene	1.01	ND	0.930	92	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NB0756.D

Lab ID: 410-115936-1 MS RE Client ID: FBS010-MS_022023 MS RE

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,4-Dioxane	1.01	ND	0.566	56	23-120	H
1-Methylnaphthalene	1.01	ND	0.820	81	23-124	H
2-Methylnaphthalene	1.01	ND	0.768	76	20-133	H
Acenaphthene	1.01	ND	1.04	102	42-120	H
Acenaphthylene	1.01	ND	0.974	96	49-120	H
Anthracene	1.01	ND	0.983	97	54-121	H
Benzo[a]anthracene	1.01	ND	0.957	94	61-122	H
Benzo[a]pyrene	1.01	ND	1.06	105	60-120	H
Benzo[b]fluoranthene	1.01	ND	1.03	102	58-122	H
Benzo[g,h,i]perylene	1.01	ND	0.980	97	50-120	H
Benzo[k]fluoranthene	1.01	ND	1.12	110	57-128	H
Bis(2-chloroethyl)ether	1.01	ND	1.03	102	59-130	H
Bis(2-ethylhexyl) phthalate	1.01	1.4	2.38	101	14-155	H
Butylbenzylphthalate	1.01	ND	0.827 J	82	10-120	H
Chrysene	1.01	ND	0.982	97	55-123	H
Dibenz(a,h)anthracene	1.01	ND	0.938	93	50-121	H
Dibenzofuran	1.01	ND	0.953	94	48-124	H
Diethylphthalate	1.01	ND	1.15	113	38-120	H
Dimethylphthalate	1.01	ND	1.04	103	10-121	H
Di-n-butyl phthalate	1.01	0.98 J	3.75	273	46-125	H F1
Di-n-octyl phthalate	1.01	ND	0.883 J	87	22-130	H
Fluoranthene	1.01	ND	0.928	92	61-123	H
Fluorene	1.01	ND	0.956	94	55-120	H
Hexachlorobenzene	1.01	ND	0.950	94	20-120	H
Indeno[1,2,3-cd]pyrene	1.01	ND	0.942	93	47-143	H
Naphthalene	1.01	ND	0.935	92	20-120	H
N-Nitrosodimethylamine	1.01	ND	0.851	84	37-120	H
Phenanthrene	1.01	ND	1.04	103	59-120	H
Pyrene	1.01	ND	0.989	98	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MB0809.D

Lab ID: 410-115936-1 MSD Client ID: FBS010-MSD_022023 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.01	0.621	62	21	30	23-120	
1-Methylnaphthalene	1.01	0.915	91	22	30	23-124	
2-Methylnaphthalene	1.01	0.855	85	22	30	20-133	
Acenaphthene	1.01	1.02	101	11	30	42-120	
Acenaphthylene	1.01	0.951	94	12	30	49-120	
Anthracene	1.01	1.03	102	6	30	54-121	
Benzo[a]anthracene	1.01	0.991	98	1	30	61-122	
Benzo[a]pyrene	1.01	0.972	97	2	30	60-120	
Benzo[b]fluoranthene	1.01	0.862	86	11	30	58-122	
Benzo[g,h,i]perylene	1.01	0.797	79	10	30	50-120	
Benzo[k]fluoranthene	1.01	1.00	100	4	30	57-128	
Bis(2-chloroethyl)ether	1.01	1.31	131	25	30	59-130	F1
Bis(2-ethylhexyl) phthalate	1.01	0.764 J	76	22	30	14-155	
Butylbenzylphthalate	1.01	0.946 J	94	2	30	10-120	
Chrysene	1.01	0.887	88	3	30	55-123	
Dibenz(a,h)anthracene	1.01	0.815	81	12	30	50-121	
Dibenzofuran	1.01	0.943	94	12	30	48-124	
Diethylphthalate	1.01	1.00	99	4	30	38-120	
Dimethylphthalate	1.01	0.985 J	98	7	30	10-121	
Di-n-butyl phthalate	1.01	1.38	112	8	30	46-125	
Di-n-octyl phthalate	1.01	0.659 J	65	20	30	22-130	
Fluoranthene	1.01	0.937	93	1	30	61-123	
Fluorene	1.01	0.931	93	10	30	55-120	
Hexachlorobenzene	1.01	0.880	87	6	30	20-120	
Indeno[1,2,3-cd]pyrene	1.01	0.867	86	10	30	47-143	
Naphthalene	1.01	0.985	98	22	30	20-120	
N-Nitrosodimethylamine	1.01	0.997	99	15	30	37-120	
Phenanthrene	1.01	0.998	99	4	30	59-120	
Pyrene	1.01	0.951	94	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.: 410-115936-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NB0757.D

Lab ID: 410-115936-1 MSD RE Client ID: FBS010-MSD_022023 MSD RE

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.01	0.423	42	29	30	23-120	H
1-Methylnaphthalene	1.01	0.758	75	8	30	23-124	H
2-Methylnaphthalene	1.01	0.699	69	9	30	20-133	H
Acenaphthene	1.01	0.925	92	11	30	42-120	H
Acenaphthylene	1.01	0.889	88	9	30	49-120	H
Anthracene	1.01	0.973	97	1	30	54-121	H
Benzo[a]anthracene	1.01	0.919	91	4	30	61-122	H
Benzo[a]pyrene	1.01	0.996	99	6	30	60-120	H
Benzo[b]fluoranthene	1.01	0.893	89	14	30	58-122	H
Benzo[g,h,i]perylene	1.01	0.864	86	13	30	50-120	H
Benzo[k]fluoranthene	1.01	1.11	110	1	30	57-128	H
Bis(2-chloroethyl)ether	1.01	0.928	92	11	30	59-130	H
Bis(2-ethylhexyl) phthalate	1.01	2.52	115	6	30	14-155	H
Butylbenzylphthalate	1.01	0.790 J	79	5	30	10-120	H
Chrysene	1.01	0.930	92	5	30	55-123	H
Dibenz(a,h)anthracene	1.01	0.895	89	5	30	50-121	H
Dibenzofuran	1.01	0.855	85	11	30	48-124	H
Diethylphthalate	1.01	1.10	109	4	30	38-120	H
Dimethylphthalate	1.01	0.948 J	94	9	30	10-121	H
Di-n-butyl phthalate	1.01	1.93	94	64	30	46-125	H F2
Di-n-octyl phthalate	1.01	0.920 J	91	4	30	22-130	H
Fluoranthene	1.01	0.920	91	1	30	61-123	H
Fluorene	1.01	0.897	89	6	30	55-120	H
Hexachlorobenzene	1.01	0.890	88	7	30	20-120	H
Indeno[1,2,3-cd]pyrene	1.01	0.855	85	10	30	47-143	H
Naphthalene	1.01	0.806	80	15	30	20-120	H
N-Nitrosodimethylamine	1.01	0.718	71	17	30	37-120	H
Phenanthrene	1.01	1.02	101	2	30	59-120	H
Pyrene	1.01	0.942	94	5	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.: 410-115936-1

SDG No.:

Lab File ID: MB0804.D Lab Sample ID: MB 410-347487/1-A

Matrix: Water Date Extracted: 02/23/2023 16:24

Instrument ID: HP21585 Date Analyzed: 02/24/2023 05:18

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-347487/2-A	MB0805.D	02/24/2023 05:39
	LCSD 410-347487/3-A	MB0806.D	02/24/2023 06:01
FBS010_022023	410-115936-1	MB0807.D	02/24/2023 06:22
FBS010-MS_022023 MS	410-115936-1 MS	MB0808.D	02/24/2023 06:43
FBS010-MSD_022023 MSD	410-115936-1 MSD	MB0809.D	02/24/2023 07:04
Dup-01_022023	410-115936-2	MB0810.D	02/24/2023 07:26
FBW001_022023	410-115936-3	MB0811.D	02/24/2023 07:47
FB-01_022023	410-115936-4	MB0812.D	02/24/2023 08:08

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Lab File ID: NB0752.D Lab Sample ID: MB 410-348351/1-A

Matrix: Water Date Extracted: 02/27/2023 16:02

Instrument ID: HP23263 Date Analyzed: 02/28/2023 04:17

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-348351/2-A	NB0753.D	02/28/2023 04:39
	LCSD 410-348351/3-A	NB0754.D	02/28/2023 05:01
FBS010_022023 RE	410-115936-1 RE	NB0755.D	02/28/2023 05:22
FBS010-MS_022023 MS RE	410-115936-1 MS RE	NB0756.D	02/28/2023 05:44
FBS010-MSD_022023 MSD RE	410-115936-1 MSD RE	NB0757.D	02/28/2023 06:06
Dup-01_022023 RE	410-115936-2 RE	NB0761.D	02/28/2023 07:33
FBW001_022023 RE	410-115936-3 RE	NB0762.D	02/28/2023 07:55
FB-01_022023 RE	410-115936-4 RE	NB0763.D	02/28/2023 08:17

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Lab File ID: MA0400.D DFTPP Injection Date: 01/26/2023

Instrument ID: HP21585 DFTPP Injection Time: 07:08

Analysis Batch No.: 338781

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	19.9	
68	Less than 2% of mass 69	0.4	(1.7) 1
69	Mass 69 Relative abundance	23.6	
70	Less than 2% of mass 69	0.1	(0.4) 1
127	10-80% of Base Peak	38.9	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.5	
275	10-60% of Base Peak	31.2	
365	Greater than 1% of mass 198	3.8	
441	present but less than 24% of mass 442	20.0	(15.4) 2
442	Greater than 50% of mass 198	130.0	
443	15-24% of mass 442	25.1	(19.3) 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 410-338781/2	MA0401a.D	01/26/2023	7:56
	IC 410-338781/3	MA0402.D	01/26/2023	8:20
	IC 410-338781/4	MA0403.D	01/26/2023	8:41
	IC 410-338781/5	MA0404.D	01/26/2023	9:03
	IC 410-338781/6	MA0405.D	01/26/2023	9:24
	IC 410-338781/7	MA0406.D	01/26/2023	9:46
	ICV 410-338781/9	MA0408.D	01/26/2023	10:29

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Lab File ID: MA0600.D DFTPP Injection Date: 01/31/2023

Instrument ID: HP21585 DFTPP Injection Time: 06:02

Analysis Batch No.: 339982

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	22.7	
68	Less than 2% of mass 69	0.5	(1.7) 1
69	Mass 69 Relative abundance	27.0	
70	Less than 2% of mass 69	0.2	(0.7) 1
127	10-80% of Base Peak	40.4	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.7	
275	10-60% of Base Peak	29.4	
365	Greater than 1% of mass 198	3.3	
441	present but less than 24% of mass 442	17.2	(15.0) 2
442	Greater than 50% of mass 198	114.7	
443	15-24% of mass 442	21.8	(19.0) 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 410-339982/3	MA0602a.D	01/31/2023	7:23

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Lab File ID: MB0800.D DFTPP Injection Date: 02/24/2023

Instrument ID: HP21585 DFTPP Injection Time: 03:39

Analysis Batch No.: 347593

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	28.3	
68	Less than 2% of mass 69	0.6	(1.8) 1
69	Mass 69 Relative abundance	32.5	
70	Less than 2% of mass 69	0.2	(0.6) 1
127	10-80% of Base Peak	45.4	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	7.1	
275	10-60% of Base Peak	27.8	
365	Greater than 1% of mass 198	3.0	
441	present but less than 24% of mass 442	14.7	(14.8) 2
442	Greater than 50% of mass 198	99.2	
443	15-24% of mass 442	18.8	(19.0) 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 410-347593/2	MB0801.D	02/24/2023	4:03
	MB 410-347487/1-A	MB0804.D	02/24/2023	5:18
	LCS 410-347487/2-A	MB0805.D	02/24/2023	5:39
	LCSD 410-347487/3-A	MB0806.D	02/24/2023	6:01
FBS010_022023	410-115936-1	MB0807.D	02/24/2023	6:22
FBS010-MS_022023 MS	410-115936-1 MS	MB0808.D	02/24/2023	6:43
FBS010-MSD_022023 MSD	410-115936-1 MSD	MB0809.D	02/24/2023	7:04
Dup-01_022023	410-115936-2	MB0810.D	02/24/2023	7:26
FBW001_022023	410-115936-3	MB0811.D	02/24/2023	7:47
FB-01_022023	410-115936-4	MB0812.D	02/24/2023	8:08

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Lab File ID: NB0450a.D DFTPP Injection Date: 02/21/2023

Instrument ID: HP23263 DFTPP Injection Time: 22:31

Analysis Batch No.: 346701

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	78.2	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	78.5	
70	Less than 2% of mass 69	0.4	(0.5) 1
127	10-80% of Base Peak	62.5	
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	26.3	
365	Greater than 1% of mass 198	3.4	
441	present but less than 24% of mass 442	11.8	(16.3) 2
442	Greater than 50% of mass 198	72.7	
443	15-24% of mass 442	14.5	(20.0) 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 410-346701/2	NB0451a.D	02/21/2023	22:48
	IC 410-346701/3	NB0452.D	02/21/2023	23:35
	IC 410-346701/4	NB0453.D	02/21/2023	23:57
	IC 410-346701/5	NB0454.D	02/22/2023	0:19
	IC 410-346701/6	NB0455.D	02/22/2023	0:40
	IC 410-346701/7	NB0456.D	02/22/2023	1:02
	ICV 410-346701/9	NB0458.D	02/22/2023	1:46

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Lab File ID: NB0750.D DFTPP Injection Date: 02/28/2023

Instrument ID: HP23263 DFTPP Injection Time: 03:31

Analysis Batch No.: 348434

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	74.3	
68	Less than 2% of mass 69	0.7	(1.0) 1
69	Mass 69 Relative abundance	75.1	
70	Less than 2% of mass 69	0.4	(0.5) 1
127	10-80% of Base Peak	61.0	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.9	
275	10-60% of Base Peak	26.1	
365	Greater than 1% of mass 198	3.5	
441	present but less than 24% of mass 442	12.6	(15.9) 2
442	Greater than 50% of mass 198	79.0	
443	15-24% of mass 442	15.4	(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 410-348434/2	NB0751.D	02/28/2023	3:46
	MB 410-348351/1-A	NB0752.D	02/28/2023	4:17
	LCS 410-348351/2-A	NB0753.D	02/28/2023	4:39
	LCSD 410-348351/3-A	NB0754.D	02/28/2023	5:01
FBS010_022023 RE	410-115936-1 RE	NB0755.D	02/28/2023	5:22
FBS010-MS_022023 MS RE	410-115936-1 MS RE	NB0756.D	02/28/2023	5:44
FBS010-MSD_022023 MSD RE	410-115936-1 MSD RE	NB0757.D	02/28/2023	6:06
Dup-01_022023 RE	410-115936-2 RE	NB0761.D	02/28/2023	7:33
FBW001_022023 RE	410-115936-3 RE	NB0762.D	02/28/2023	7:55
FB-01_022023 RE	410-115936-4 RE	NB0763.D	02/28/2023	8:17

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: ICIS 410-338781/2 Date Analyzed: 01/26/2023 07:56

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MA0401a.D Heated Purge: (Y/N) N

Calibration ID: 46693

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		77300	4.56	257606	5.74	144574	7.40
UPPER LIMIT		154600	5.06	515212	6.24	289148	7.90
LOWER LIMIT		38650	4.06	128803	5.24	72287	6.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-338781/9		79692	4.57	319699	5.74	153873	7.40
ICV 410-339982/3		109440	4.56	356573	5.74	199208	7.40
CCVIS 410-347593/2		86566	4.54	281924	5.74	147739	7.40

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: ICIS 410-338781/2 Date Analyzed: 01/26/2023 07:56

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MA0401a.D Heated Purge: (Y/N) N

Calibration ID: 46693

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		264177	8.81	223686	11.46	255768	13.40
UPPER LIMIT		528354	9.31	447372	11.96	511536	13.90
LOWER LIMIT		132089	8.31	111843	10.96	127884	12.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-338781/9		275225	8.81	230945	11.46	229944	13.40
ICV 410-339982/3		367379	8.81	329781	11.46	337792	13.39
CCVIS 410-347593/2		245996	8.81	227028	11.45	286408	13.38

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: CCVIS 410-347593/2 Date Analyzed: 02/24/2023 04:03

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MB0801.D Heated Purge: (Y/N) N

Calibration ID: 46693

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		86566	4.54	281924	5.74	147739	7.40
UPPER LIMIT		173132	5.04	563848	6.24	295478	7.90
LOWER LIMIT		43283	4.04	140962	5.24	73870	6.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-347487/1-A		73268	4.54	231141	5.74	124522	7.40
LCS 410-347487/2-A		75960	4.54	235679	5.74	129239	7.40
LCSD 410-347487/3-A		74941	4.54	234373	5.73	131479	7.40
410-115936-1	FBS010_022023	78115	4.54	242566	5.73	135670	7.40
410-115936-1 MS	FBS010-MS_022023 MS	79161	4.54	268917	5.73	138518	7.40
410-115936-1 MSD	FBS010-MSD_022023 MSD	74366	4.54	235041	5.73	131977	7.40
410-115936-2	Dup-01_022023	89528	4.54	277021	5.73	157504	7.40
410-115936-3	FBW001_022023	76657	4.54	235667	5.74	128419	7.40
410-115936-4	FB-01_022023	86414	4.54	263306	5.73	141847	7.40

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: CCVIS 410-347593/2 Date Analyzed: 02/24/2023 04:03

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MB0801.D Heated Purge: (Y/N) N

Calibration ID: 46693

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		245996	8.81	227028	11.45	286408	13.38
UPPER LIMIT		491992	9.31	454056	11.95	572816	13.88
LOWER LIMIT		122998	8.31	113514	10.95	143204	12.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-347487/1-A		225633	8.80	175400	11.45	222897	13.37
LCS 410-347487/2-A		234918	8.80	194749	11.45	237782	13.37
LCSD 410-347487/3-A		237467	8.80	191174	11.45	232241	13.37
410-115936-1	FBS010_022023	247417	8.80	187928	11.45	233616	13.37
410-115936-1 MS	FBS010-MS_022023 MS	244679	8.80	197816	11.45	256067	13.37
410-115936-1 MSD	FBS010-MSD_022023 MSD	238341	8.80	190703	11.44	230380	13.37
410-115936-2	Dup-01_022023	278079	8.80	212309	11.44	260518	13.37
410-115936-3	FBW001_022023	235216	8.80	183895	11.44	230147	13.37
410-115936-4	FB-01_022023	258089	8.80	195650	11.45	242991	13.37

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: ICIS 410-346701/2 Date Analyzed: 02/21/2023 22:48

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): NB0451a.D Heated Purge: (Y/N) N

Calibration ID: 47415

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		49684	4.57	170375	5.77	72429	7.43
UPPER LIMIT		99368	5.07	340750	6.27	144858	7.93
LOWER LIMIT		24842	4.07	85188	5.27	36215	6.93
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-346701/9		49706	4.57	167942	5.77	74322	7.43
CCVIS 410-348434/2		45910	4.58	159202	5.78	62720	7.44

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: ICIS 410-346701/2 Date Analyzed: 02/21/2023 22:48

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): NB0451a.D Heated Purge: (Y/N) N

Calibration ID: 47415

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		111170	8.84	65447	11.52	61452	13.50
UPPER LIMIT		222340	9.34	130894	12.02	122904	14.00
LOWER LIMIT		55585	8.34	32724	11.02	30726	13.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-346701/9		117345	8.84	72278	11.52	58273	13.49
CCVIS 410-348434/2		93092	8.85	53496	11.52	50337	13.49

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: CCVIS 410-348434/2 Date Analyzed: 02/28/2023 03:46

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): NB0751.D Heated Purge: (Y/N) N

Calibration ID: 47415

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		45910	4.58	159202	5.78	62720	7.44
UPPER LIMIT		91820	5.08	318404	6.28	125440	7.94
LOWER LIMIT		22955	4.08	79601	5.28	31360	6.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-348351/1-A		38826	4.58	128821	5.78	52084	7.44
LCS 410-348351/2-A		39953	4.58	143510	5.78	56134	7.44
LCSD 410-348351/3-A		41159	4.58	147341	5.78	56557	7.43
410-115936-1 RE	FBS010_022023 RE	41138	4.58	134916	5.78	55011	7.43
410-115936-1 MS RE	FBS010-MS_022023 MS RE	36952	4.58	132818	5.78	49495	7.43
410-115936-1 MSD RE	FBS010-MSD_022023 MSD RE	38030	4.58	133756	5.77	51916	7.43
410-115936-2 RE	Dup-01_022023 RE	37736	4.58	129019	5.77	52265	7.43
410-115936-3 RE	FBW001_022023 RE	40181	4.58	139020	5.77	57593	7.43
410-115936-4 RE	FB-01_022023 RE	37405	4.58	129777	5.77	53977	7.43

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1

SDG No.:

Sample No.: CCVIS 410-348434/2 Date Analyzed: 02/28/2023 03:46

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): NB0751.D Heated Purge: (Y/N) N

Calibration ID: 47415

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		93092	8.85	53496	11.52	50337	13.49
UPPER LIMIT		186184	9.35	106992	12.02	100674	13.99
LOWER LIMIT		46546	8.35	26748	11.02	25169	12.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-348351/1-A		74570	8.85	40423	11.52	35910	13.49
LCS 410-348351/2-A		79992	8.85	47337	11.52	40018	13.49
LCSD 410-348351/3-A		81225	8.85	49242	11.52	42565	13.49
410-115936-1 RE	FBS010_022023 RE	78129	8.85	45232	11.52	40495	13.49
410-115936-1 MS RE	FBS010-MS_022023 MS RE	72339	8.85	42031	11.52	37339	13.49
410-115936-1 MSD RE	FBS010-MSD_022023 MSD RE	73123	8.85	43516	11.51	38840	13.49
410-115936-2 RE	Dup-01_022023 RE	73661	8.84	41327	11.51	36780	13.49
410-115936-3 RE	FBW001_022023 RE	78059	8.84	44496	11.51	39166	13.49
410-115936-4 RE	FB-01_022023 RE	76037	8.84	41735	11.51	35503	13.48

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 I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010_022023
Lab Sample ID: 410-115936-1

Matrix: Water
Lab File ID: MB0807.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 249.1(mL)
Date Analyzed: 02/24/2023 06:22

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.: 347593
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	F1	0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.050
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	0.26	J B * + cn	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	cn	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.: 410-115936-1

SDG No.:

Client Sample ID: FBS010_022023 Lab Sample ID: 410-115936-1

Matrix: Water Lab File ID: MB0807.D

Analysis Method: 8270D SIM Date Collected: 02/16/2023 11:11

Extract. Method: 3510C Date Extracted: 02/23/2023 16:24

Sample wt/vol: 249.1(mL) Date Analyzed: 02/24/2023 06:22

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.: 347593 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	81		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	79		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\HP21585\20230224-77710.b\MB0807.D
Lims ID: 410-115936-B-1-A
Client ID: FBS010_022023
Sample Type: Client
Inject. Date: 24-Feb-2023 06:22:16 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-B-1-A
Misc. Info.: 410-0077710-008
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 24-Feb-2023 20:28:40 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:11:14

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	3 Bis(2-chloroethyl)ether	93	4.281	4.281	0.000	93	623	0.002376	7M
*	4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	86	78115	0.2500	
*	5 Naphthalene-d8	136	5.731	5.743	-0.012	91	242566	0.2500	
$	9 1-Methylnaphthalene-d10	152	6.470	6.470	0.000	96	102025	0.2029	
*	13 Acenaphthene-d10	164	7.396	7.396	0.000	90	135670	0.2500	
*	20 Phenanthrene-d10	188	8.802	8.809	-0.007	95	247417	0.2500	
	23 Di-n-butyl phthalate	149	9.372	9.372	-0.006	100	53867	0.0650	M
$	24 Fluoranthene-d10 (Surr)	212	9.936	9.936	-0.006	98	183962	0.1936	
*	29 Chrysene-d12	240	11.451	11.451	0.000	55	187928	0.2500	
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.253	13.253	-0.008	100	151103	0.1966	
*	38 Perylene-d12	264	13.368	13.376	-0.008	100	233616	0.2500	
	40 Indeno[1,2,3-cd]pyrene	276	14.958	14.958	-0.008	99	1285	0.001257	7M

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00033 Amount Added: 10.00 Units: uL Run Reagent

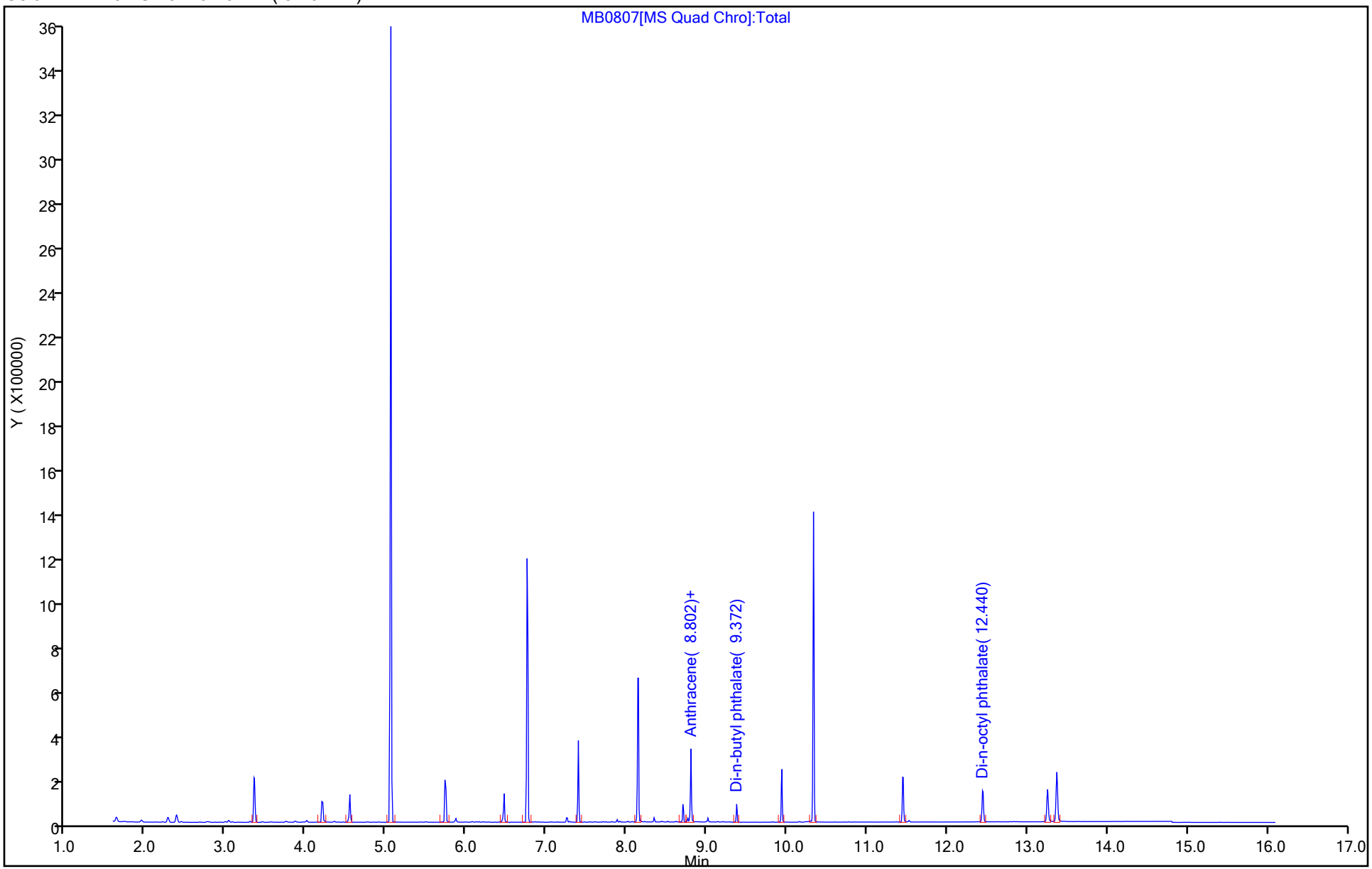
Report Date: 24-Feb-2023 20:28:59 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0807.D

Injection Date:	24-Feb-2023 06:22:16	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-115936-B-1-A	Lab Sample ID:	410-115936-1	Worklist Smp#:	8
Client ID:	FBS010_022023				
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\20230224-77710.b\MB0807.D				
Lims ID:	410-115936-B-1-A				
Client ID:	FBS010_022023				
Sample Type:	Client				
Inject. Date:	24-Feb-2023 06:22:16	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-B-1-A				
Misc. Info.:	410-0077710-008				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-Feb-2023 20:28:40	Calib Date:	26-Jan-2023 09:46:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:11:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2029	81.17
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1936	77.46
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1966	78.66

Report Date: 24-Feb-2023 20:28:59 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0807.D

Injection Date: 24-Feb-2023 06:22:16 Instrument ID: HP21585

Lims ID: 410-115936-B-1-A Lab Sample ID: 410-115936-1

Client ID: FBS010_022023

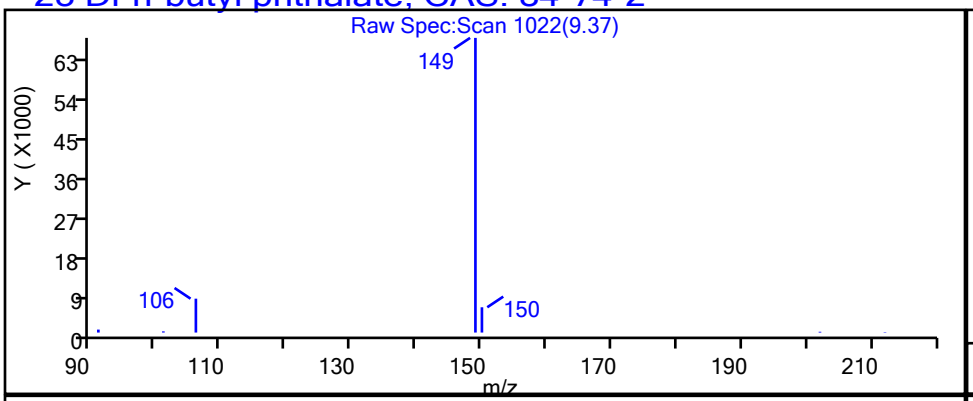
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 8

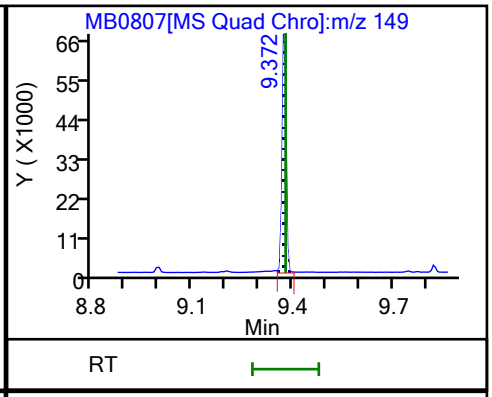
Injection Vol: 1.0 ul Dil. Factor: 1.0000

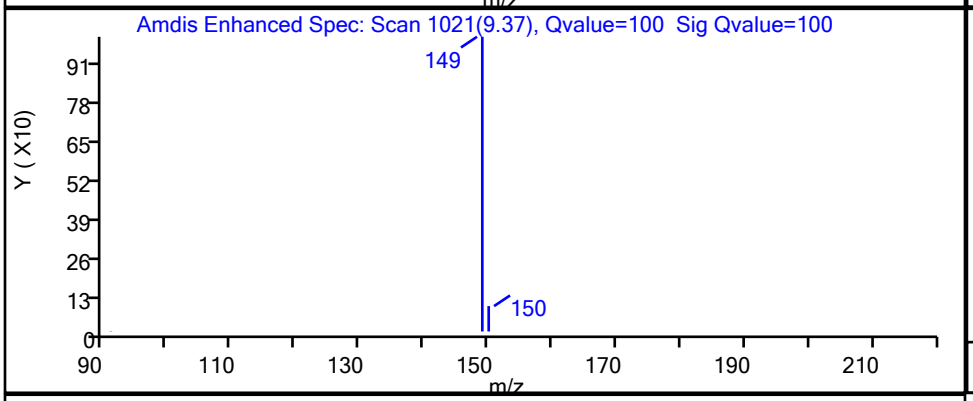
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

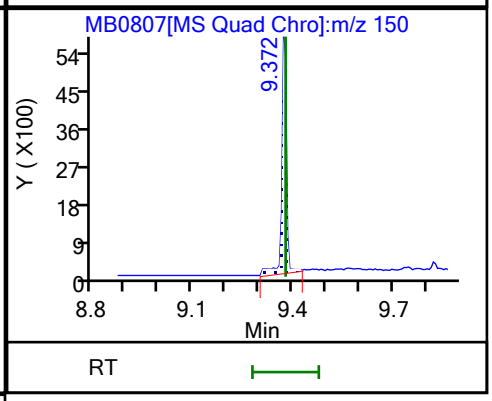
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

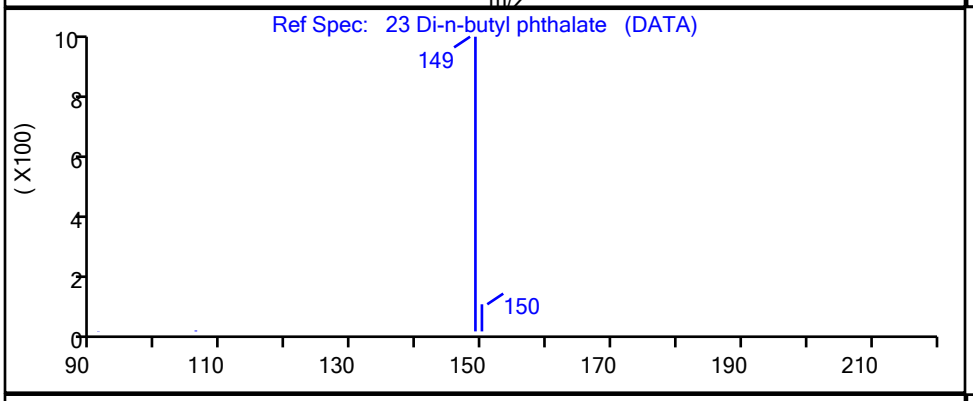
23 Di-n-butyl phthalate, CAS: 84-74-2

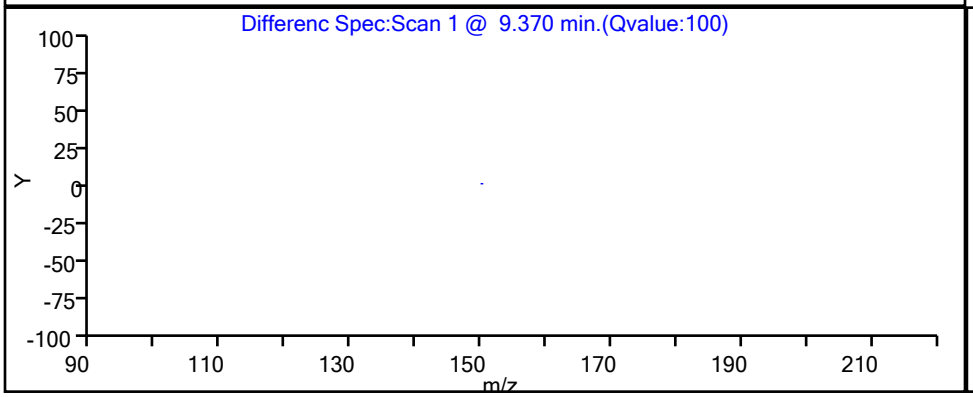


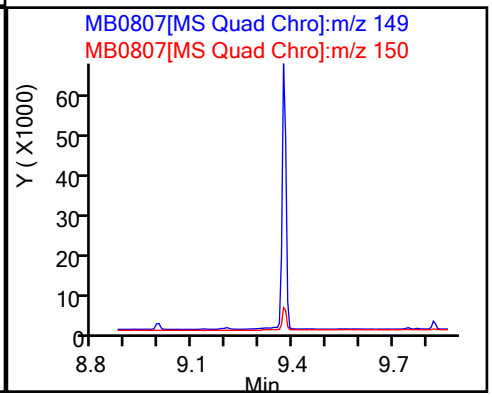












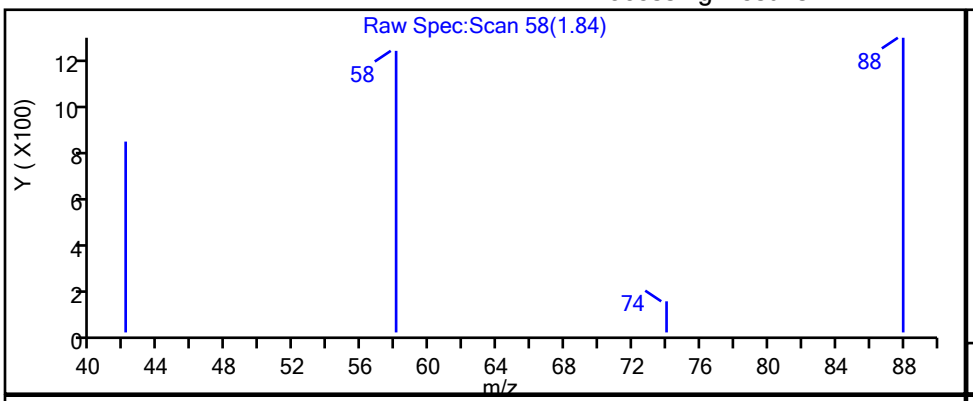
User Disabled Compound Report

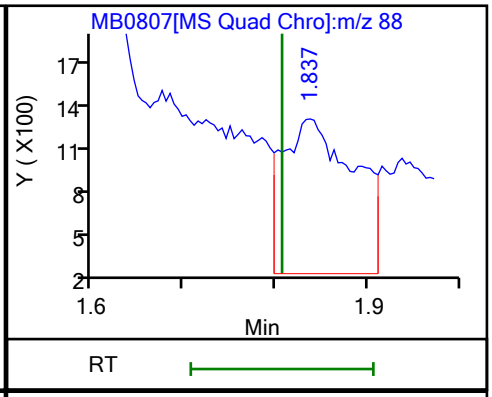
Eurofins Lancaster Laboratories Environment Testing, LLC

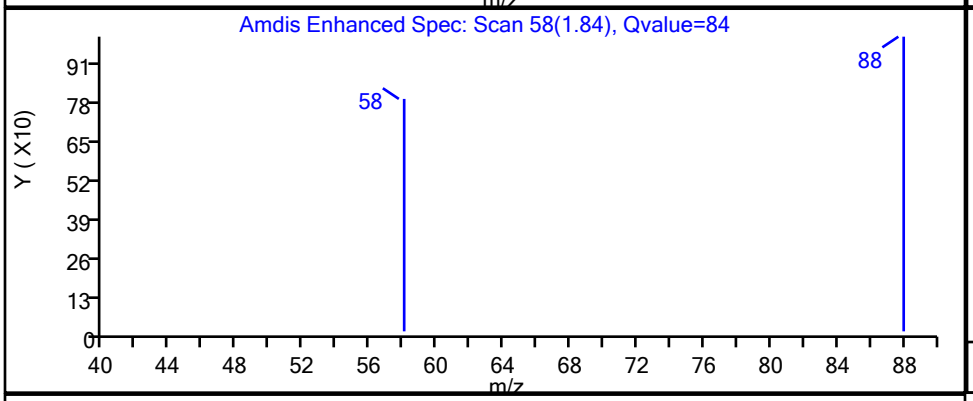
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0807.D				
Injection Date:	24-Feb-2023 06:22:16	Instrument ID:	HP21585		
Lims ID:	410-115936-B-1-A	Lab Sample ID:	410-115936-1		
Client ID:	FBS010_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	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		

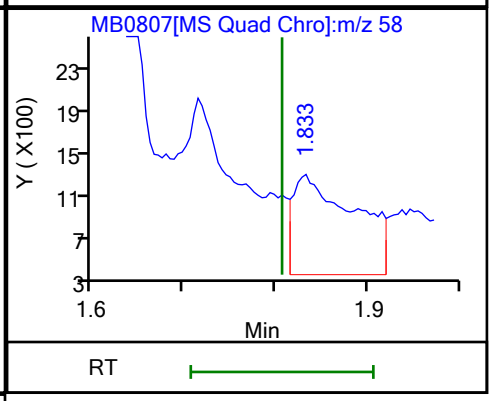
1 1,4-Dioxane, CAS: 123-91-1

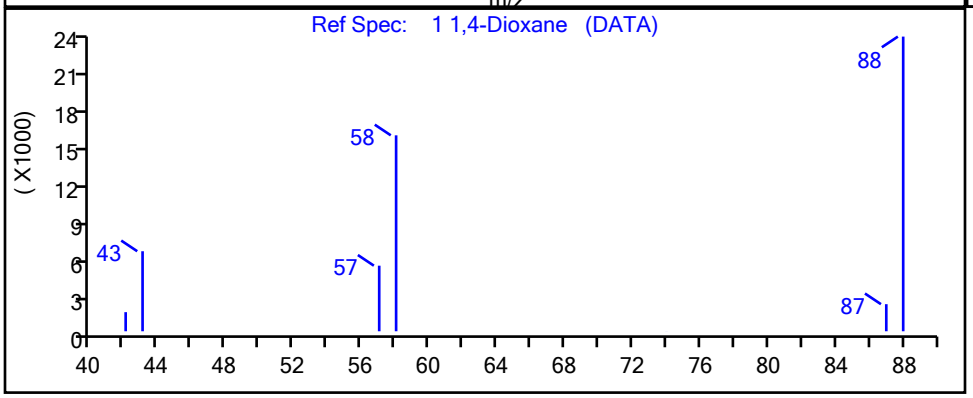
Processing Results











RT	Mass	Response	Amount
1.84	88.00	5661	0.042062
1.83	58.00	4357	

Reviewer: SJ89, 24-Feb-2023 18:08:50

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

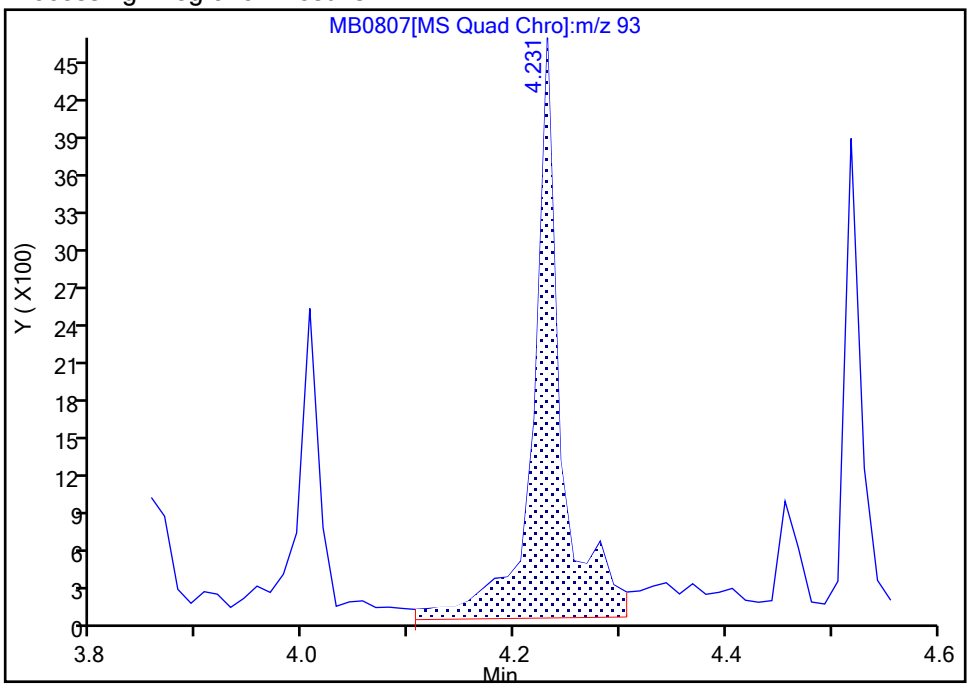
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0807.D				
Injection Date:	24-Feb-2023 06:22:16	Instrument ID:	HP21585		
Lims ID:	410-115936-B-1-A	Lab Sample ID:	410-115936-1		
Client ID:	FBS010_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	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		

3 Bis(2-chloroethyl)ether, CAS: 111-44-4

Signal: 1

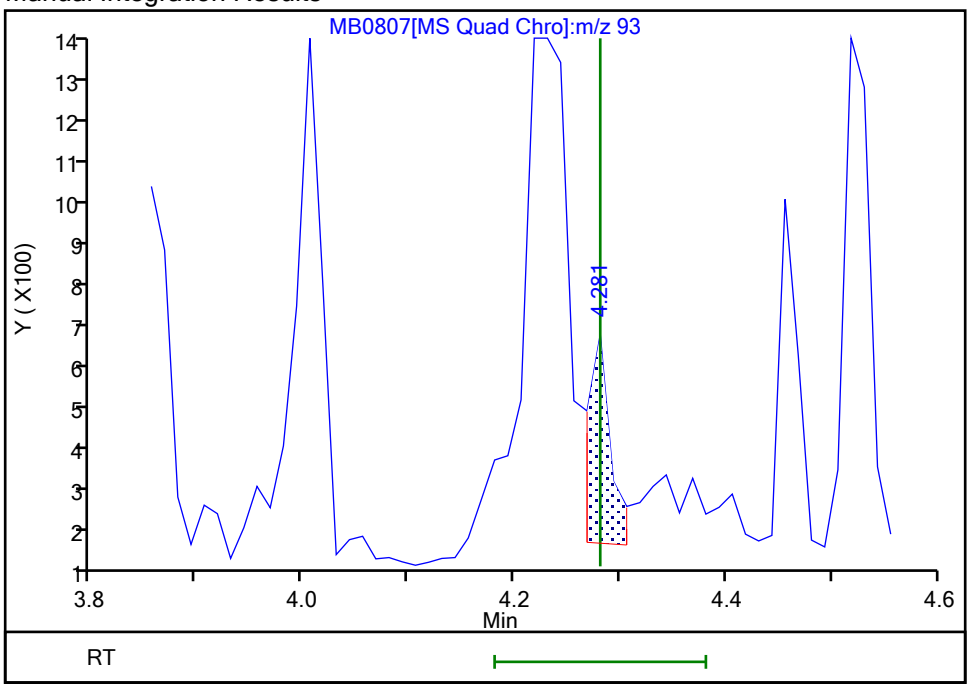
Processing Integration Results

RT: 4.23
Area: 8371
Amount: 0.031919
Amount Units: ug/ml



Manual Integration Results

RT: 4.28
Area: 623
Amount: 0.002376
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:08:57

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

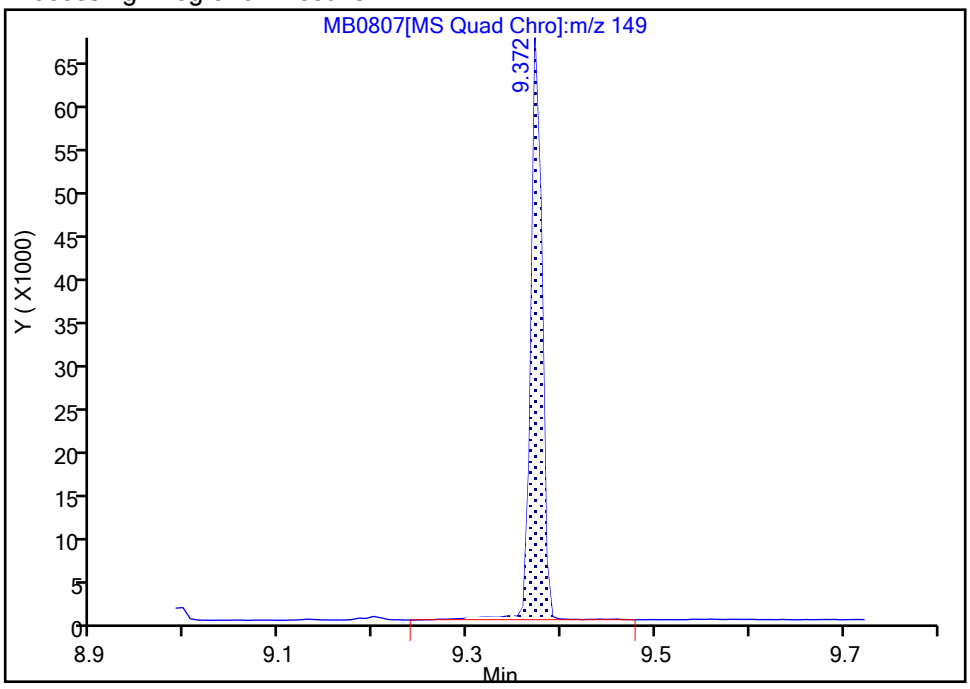
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0807.D				
Injection Date:	24-Feb-2023 06:22:16	Instrument ID:	HP21585		
Lims ID:	410-115936-B-1-A	Lab Sample ID:	410-115936-1		
Client ID:	FBS010_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	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		

23 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

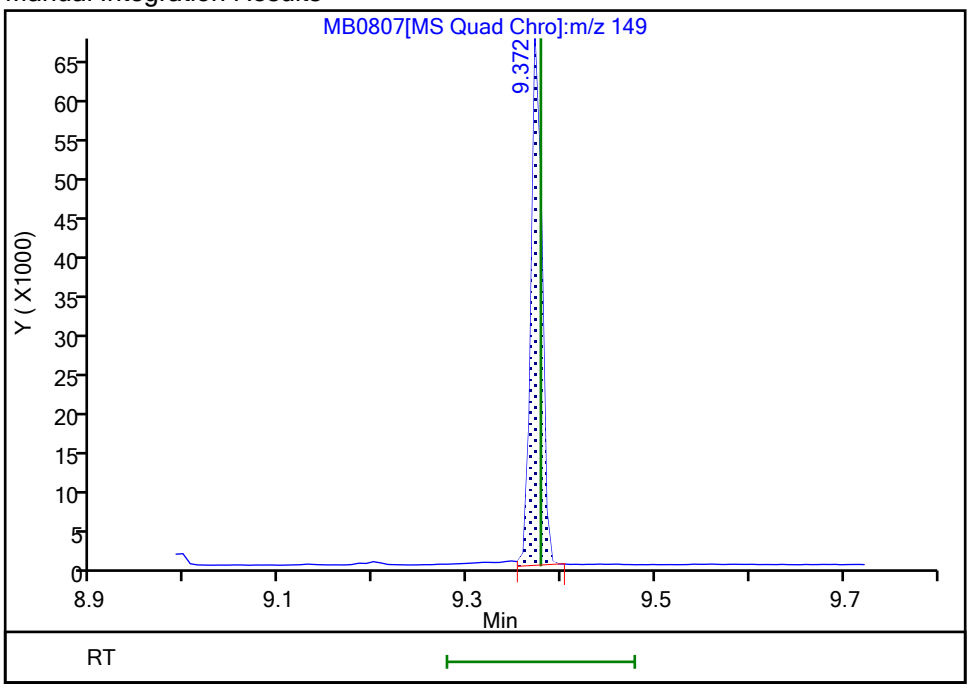
Processing Integration Results

RT: 9.37
Area: 55530
Amount: 0.067013
Amount Units: ug/ml



Manual Integration Results

RT: 9.37
Area: 53867
Amount: 0.065006
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:09:10

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

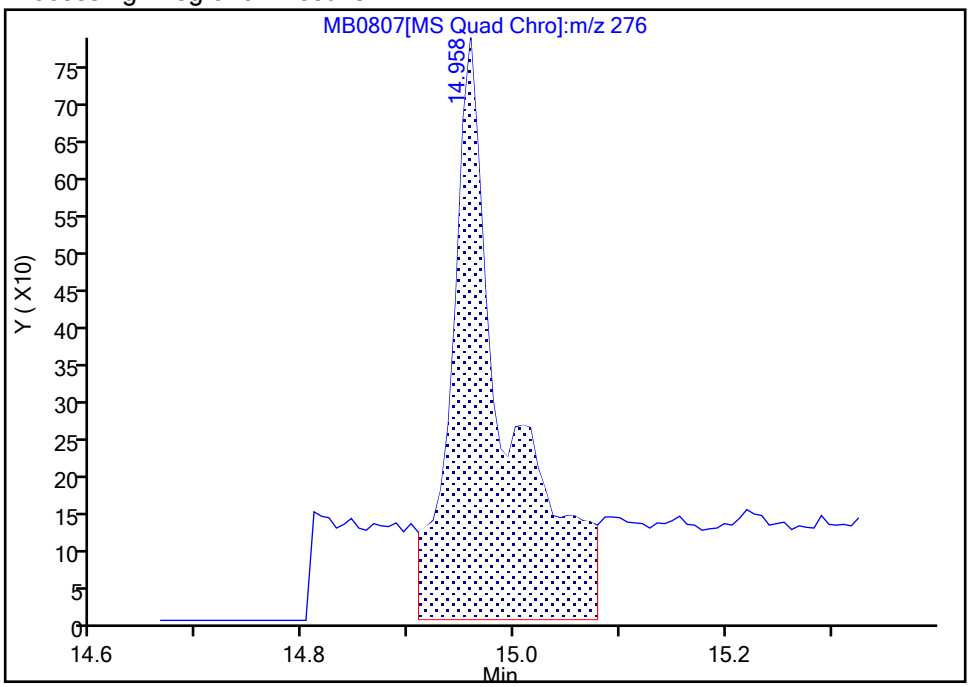
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0807.D				
Injection Date:	24-Feb-2023 06:22:16	Instrument ID:	HP21585		
Lims ID:	410-115936-B-1-A	Lab Sample ID:	410-115936-1		
Client ID:	FBS010_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	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

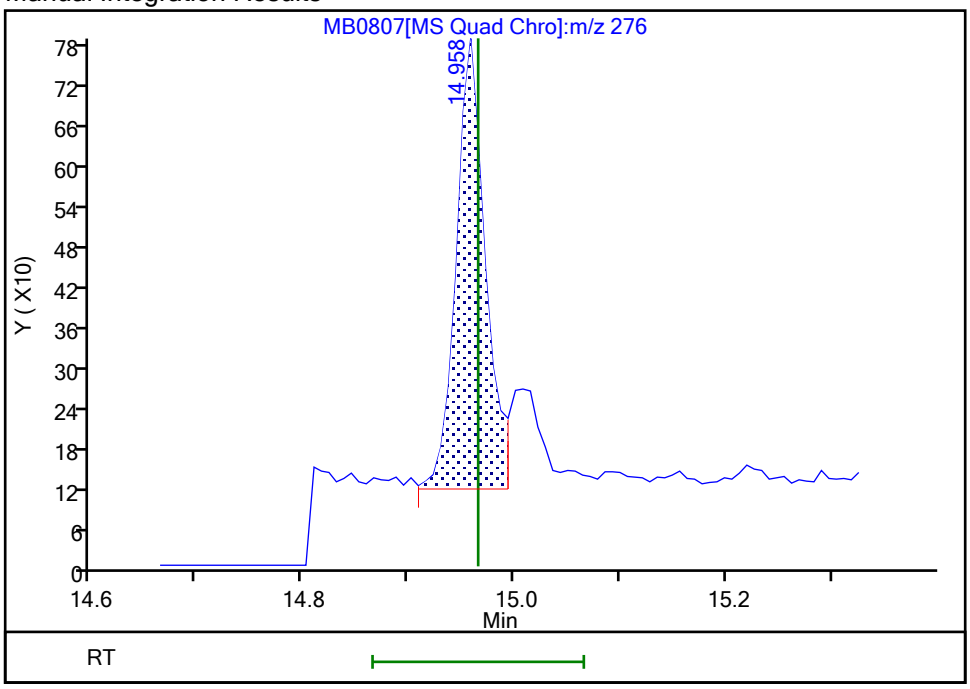
Processing Integration Results

RT: 14.96
Area: 2782
Amount: 0.002722
Amount Units: ug/ml



Manual Integration Results

RT: 14.96
Area: 1285
Amount: 0.001257
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:09:22

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.: 410-115936-1

SDG No.:

Client Sample ID: FBS010_022023 RE
Lab Sample ID: 410-115936-1 RE

Matrix: Water
Lab File ID: NB0755.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 247.2(mL)
Date Analyzed: 02/28/2023 05:22

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.: 348434
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND	H	0.30	0.10
90-12-0	1-Methylnaphthalene	ND	H	0.051	0.020
91-57-6	2-Methylnaphthalene	ND	H	0.051	0.020
83-32-9	Acenaphthene	ND	H	0.051	0.010
208-96-8	Acenaphthylene	ND	H	0.051	0.010
120-12-7	Anthracene	ND	H	0.051	0.010
56-55-3	Benzo[a]anthracene	ND	H	0.051	0.010
50-32-8	Benzo[a]pyrene	ND	H	0.051	0.010
205-99-2	Benzo[b]fluoranthene	ND	H	0.051	0.010
191-24-2	Benzo[g,h,i]perylene	ND	H	0.051	0.010
207-08-9	Benzo[k]fluoranthene	ND	H	0.051	0.010
111-44-4	Bis(2-chloroethyl)ether	ND	H	0.051	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	1.4	H B * + *1	1.0	0.051
85-68-7	Butylbenzylphthalate	ND	H	1.0	0.051
218-01-9	Chrysene	ND	H	0.051	0.010
53-70-3	Dibenz(a,h)anthracene	ND	H	0.051	0.020
132-64-9	Dibenzofuran	ND	H	0.051	0.010
84-66-2	Diethylphthalate	ND	H	1.0	0.051
131-11-3	Dimethylphthalate	ND	H	1.0	0.051
84-74-2	Di-n-butyl phthalate	0.98	J H B *+ *1 F1 F2	1.0	0.051
117-84-0	Di-n-octyl phthalate	ND	H	1.0	0.051
206-44-0	Fluoranthene	ND	H	0.051	0.010
86-73-7	Fluorene	ND	H	0.051	0.010
118-74-1	Hexachlorobenzene	ND	H	0.051	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	0.051	0.020
91-20-3	Naphthalene	ND	H	0.071	0.030
62-75-9	N-Nitrosodimethylamine	ND	H	0.051	0.020
85-01-8	Phenanthrene	ND	H	0.071	0.030
129-00-0	Pyrene	ND	H	0.051	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010_022023 RE
Lab Sample ID: 410-115936-1 RE

Matrix: Water
Lab File ID: NB0755.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 247.2(mL)
Date Analyzed: 02/28/2023 05:22

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.: 348434
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	89		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	80		10-110
93951-69-0	Fluoranthene-d10 (Surr)	89		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0755.D
Lims ID: 410-115936-C-1-A RE
Client ID: FBS010_022023
Sample Type: Client
Inject. Date: 28-Feb-2023 05:22:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-C-1-A
Misc. Info.: 410-0077901-006
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 28-Feb-2023 15:57:44 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: UJM0 Date: 28-Feb-2023 05:49:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.581	4.582	-0.001	97	41138	0.2500	
* 5 Naphthalene-d8	136	5.781	5.781	0.000	100	134916	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.509	6.493	0.002	100	52429	0.2233	
* 13 Acenaphthene-d10	164	7.430	7.438	-0.008	83	55011	0.2500	
* 20 Phenanthrene-d10	188	8.845	8.845	0.000	100	78129	0.2500	
23 Di-n-butyl phthalate	149	9.408	9.401	-0.001	100	73750	0.2427	
$ 24 Fluoranthene-d10 (Surr)	212	9.978	9.971	-0.001	97	56426	0.2235	
* 29 Chrysene-d12	240	11.517	11.519	-0.002	82	45232	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.579	11.571	-0.001	99	39280	0.3368	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.374	13.366	-0.001	98	27273	0.2007	
* 38 Perylene-d12	264	13.489	13.490	-0.001	98	40495	0.2500	

QC Flag Legend
Processing Flags

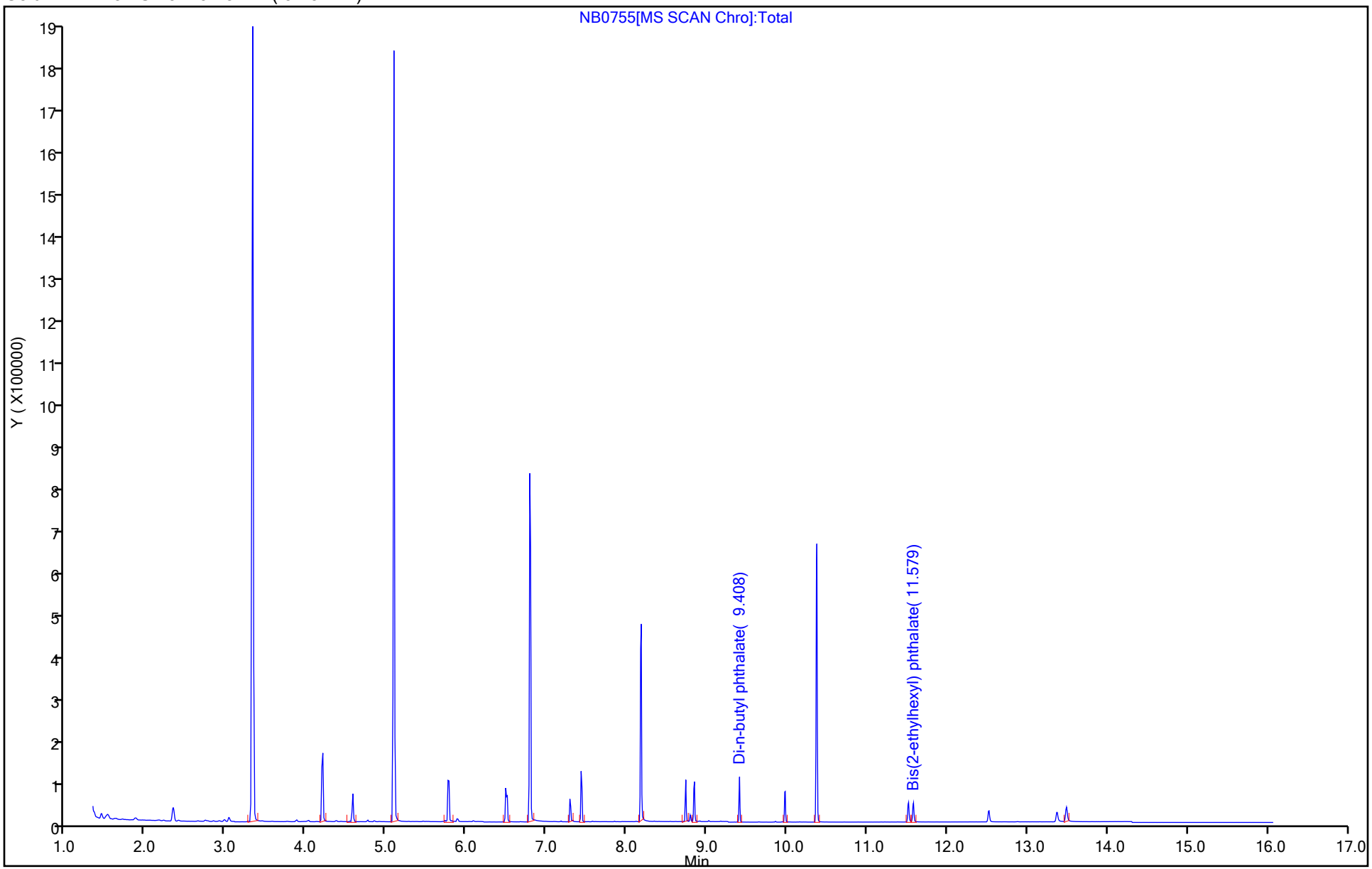
Reagents:
MSS_RVSIM_IS_00032 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 28-Feb-2023 15:57:58 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0755.D				
Injection Date:	28-Feb-2023 05:22:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-115936-C-1-A RE	Lab Sample ID:	410-115936-1	Worklist Smp#:	6
Client ID:	FBS010_022023				
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\20230228-77901.b\NB0755.D				
Lims ID:	410-115936-C-1-A RE				
Client ID:	FBS010_022023				
Sample Type:	Client				
Inject. Date:	28-Feb-2023 05:22:30	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-C-1-A				
Misc. Info.:	410-0077901-006				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	28-Feb-2023 15:57:44	Calib Date:	22-Feb-2023 01:02:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1680				

First Level Reviewer: UJM0 Date: 28-Feb-2023 05:49:14

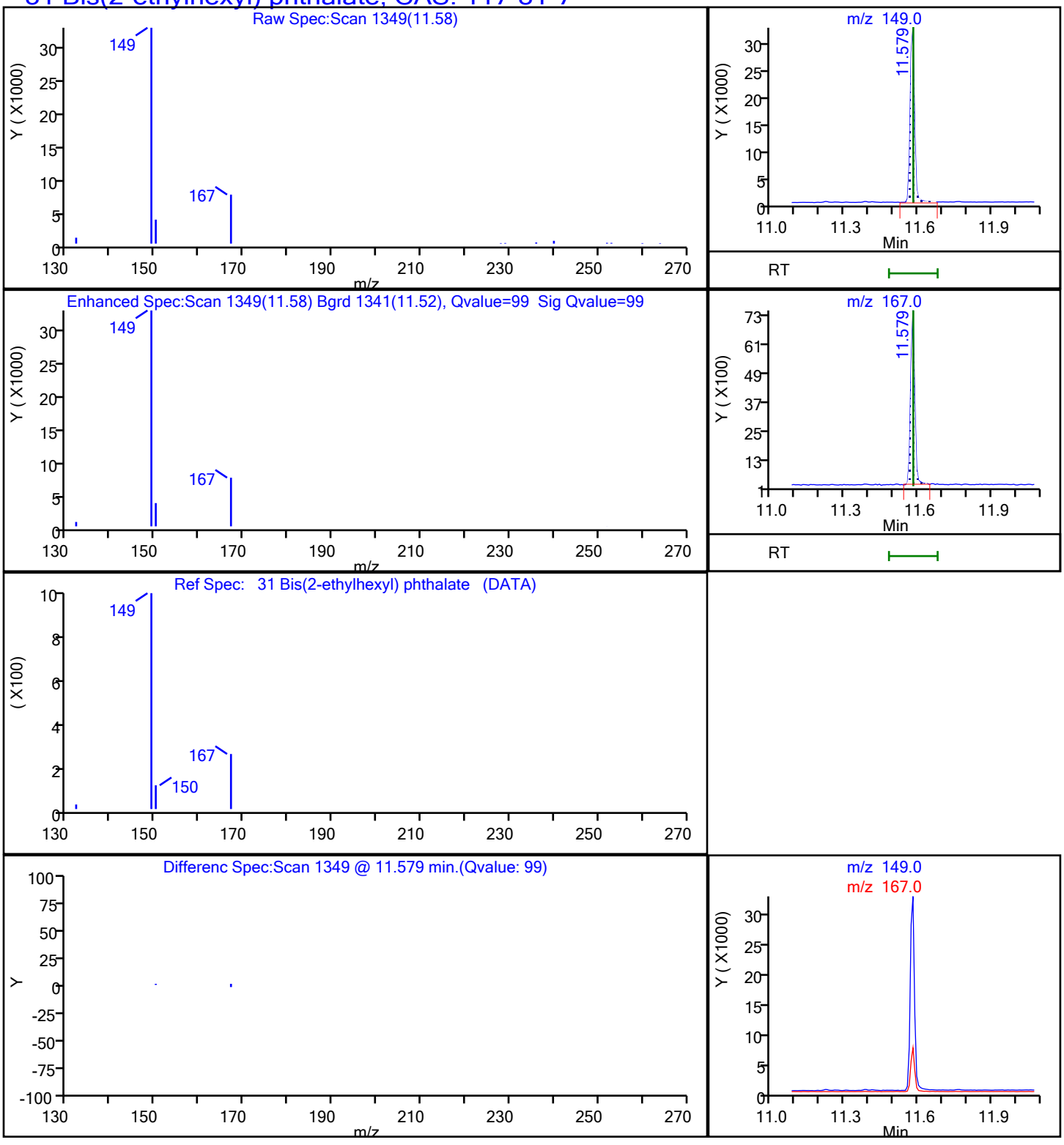
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2233	89.32
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2235	89.39
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2007	80.30

Report Date: 28-Feb-2023 15:57:58 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0755.D				
Injection Date:	28-Feb-2023 05:22:30	Instrument ID:	HP23263		
Lims ID:	410-115936-C-1-A RE	Lab Sample ID:	410-115936-1		
Client ID:	FBS010_022023				
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

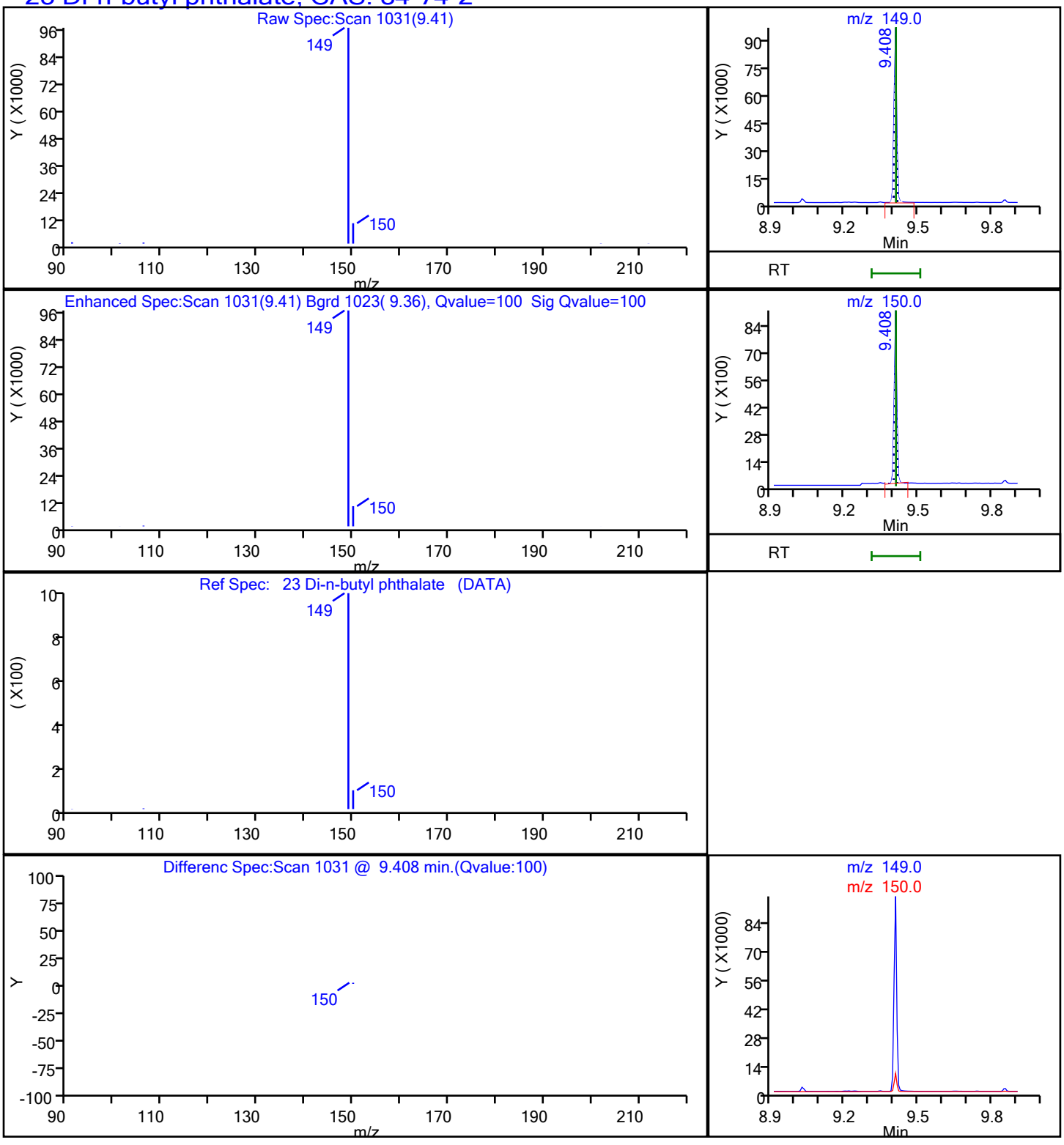


Report Date: 28-Feb-2023 15:57:58 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0755.D		
Injection Date:	28-Feb-2023 05:22:30	Instrument ID:	HP23263
Lims ID:	410-115936-C-1-A RE	Lab Sample ID:	410-115936-1
Client ID:	FBS010_022023		
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



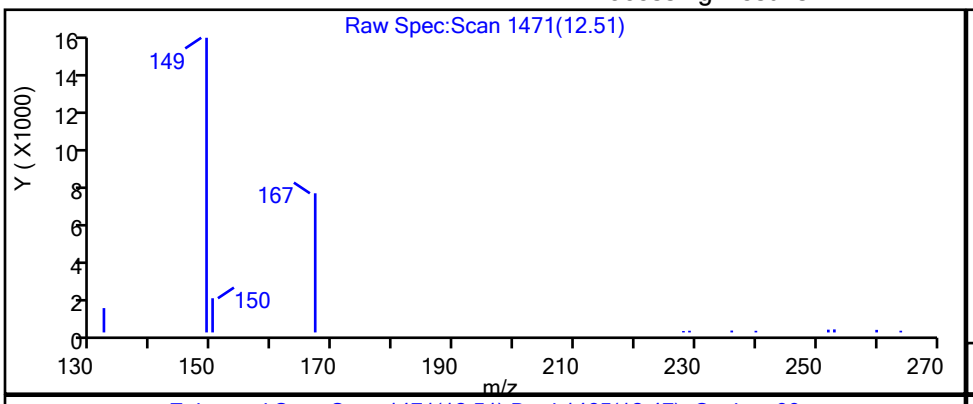
User Disabled Compound Report

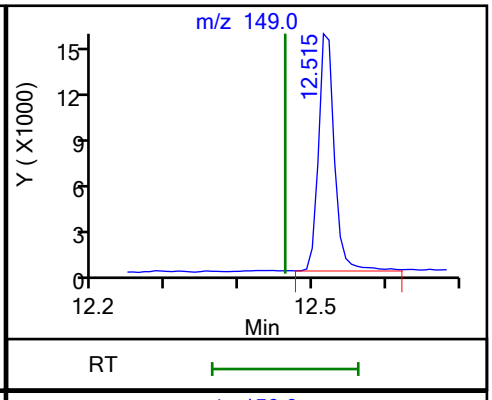
Eurofins Lancaster Laboratories Environment Testing, LLC

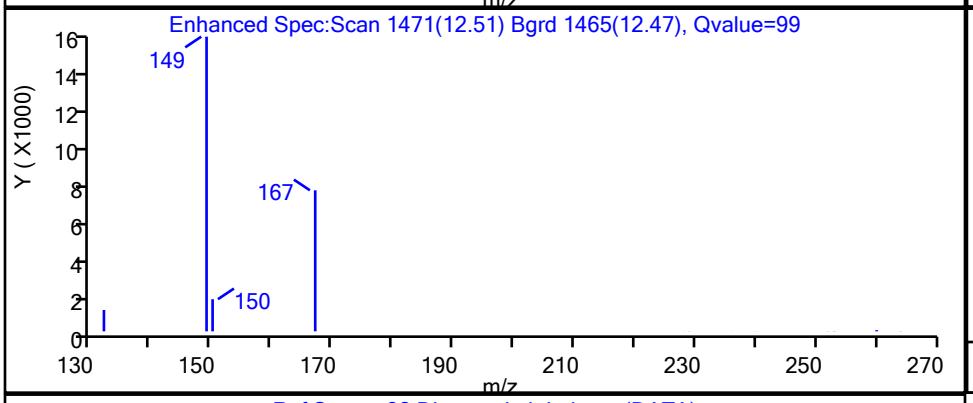
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0755.D				
Injection Date:	28-Feb-2023 05:22:30	Instrument ID:	HP23263		
Lims ID:	410-115936-C-1-A RE	Lab Sample ID:	410-115936-1		
Client ID:	FBS010_022023				
Operator ID:	jmg00346	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 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		

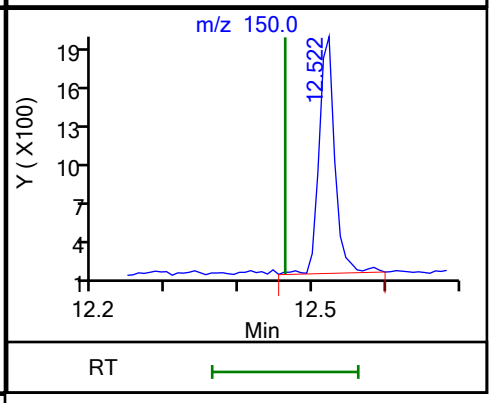
32 Di-n-octyl phthalate, CAS: 117-84-0

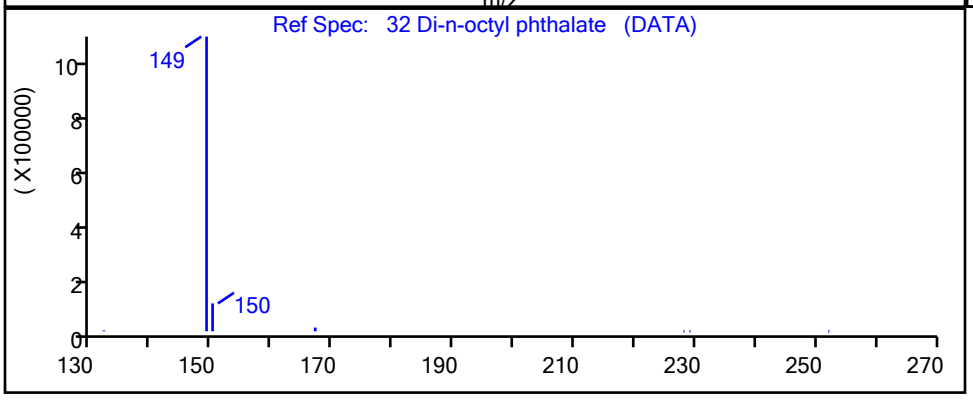
Processing Results











RT	Mass	Response	Amount
12.51	149.00	22593	0.126960
12.52	150.00	2721	

Reviewer: UJM0, 28-Feb-2023 05:49:03

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.: 410-115936-1

SDG No.:

Client Sample ID: Dup-01_022023
Lab Sample ID: 410-115936-2

Matrix: Water
Lab File ID: MB0810.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 12:00

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 248(mL)
Date Analyzed: 02/24/2023 07:26

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.: 347593
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	0.037	J	0.050	0.020
91-57-6	2-Methylnaphthalene	0.064		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	ND	cn	1.0	0.050
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	0.21	J B * + cn	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		0.071	0.030
62-75-9	N-Nitrosodimethylamine	ND	cn	0.050	0.020
85-01-8	Phenanthrene	ND		0.071	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.: 410-115936-1

SDG No.:

Client Sample ID: Dup-01_022023
Lab Sample ID: 410-115936-2

Matrix: Water
Lab File ID: MB0810.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 12:00

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 248(mL)
Date Analyzed: 02/24/2023 07:26

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.: 347593
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	80		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	75		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\HP21585\20230224-77710.b\MB0810.D
Lims ID: 410-115936-D-2-A
Client ID: Dup-01_022023
Sample Type: Client
Inject. Date: 24-Feb-2023 07:26:05 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-D-2-A
Misc. Info.: 410-0077710-011
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 24-Feb-2023 20:28:40 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: SJ89 Date: 24-Feb-2023 15:01:10

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	3 Bis(2-chloroethyl)ether	93	4.281	4.281	0.000	50	353	0.001179	7M
*	4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	85	89528	0.2500	
*	5 Naphthalene-d8	136	5.731	5.743	-0.012	91	277021	0.2500	
	8 2-Methylnaphthalene	142	6.411	6.411	0.000	94	12979	0.0160	
$	9 1-Methylnaphthalene-d10	152	6.470	6.470	0.000	96	115312	0.2008	
	10 1-Methylnaphthalene	142	6.500	6.500	0.000	100	6625	0.009146	
*	13 Acenaphthene-d10	164	7.396	7.396	0.000	89	157504	0.2500	
	16 Diethyl phthalate	149	7.810	7.810	-0.008	72	1245	0.001863	7M
*	20 Phenanthrene-d10	188	8.802	8.809	-0.007	95	278079	0.2500	
	23 Di-n-butyl phthalate	149	9.372	9.372	-0.006	100	48077	0.0516	
$	24 Fluoranthene-d10 (Surr)	212	9.936	9.936	-0.006	98	207585	0.1944	
*	29 Chrysene-d12	240	11.443	11.451	-0.008	55	212309	0.2500	
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.253	13.253	-0.008	100	159724	0.1864	
*	38 Perylene-d12	264	13.368	13.376	-0.008	100	260518	0.2500	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00033 Amount Added: 10.00 Units: uL Run Reagent

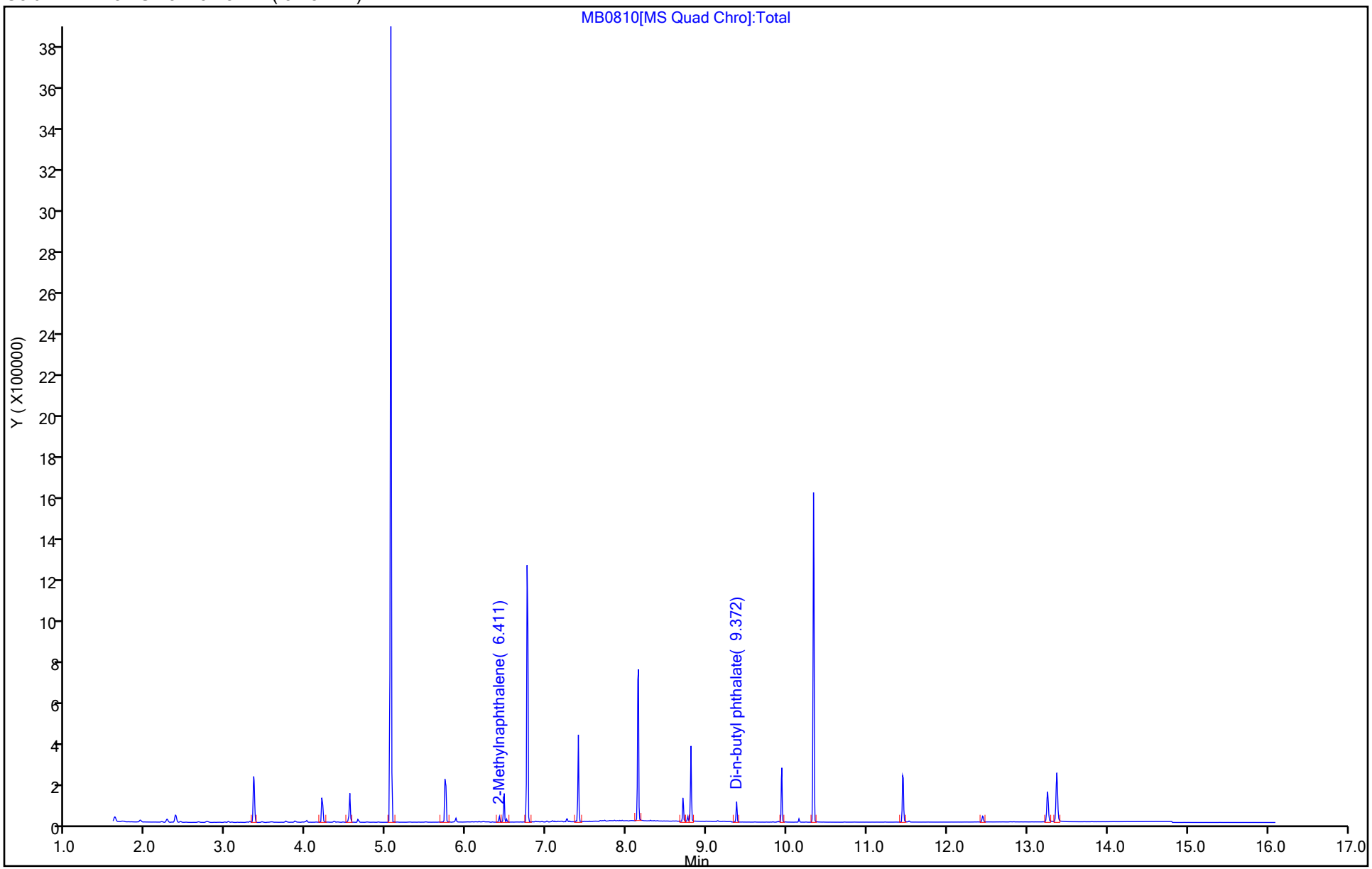
Report Date: 24-Feb-2023 20:29:03 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0810.D

Injection Date:	24-Feb-2023 07:26:05	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-115936-D-2-A	Lab Sample ID:	410-115936-2	Worklist Smp#:	11
Client ID:	Dup-01_022023				
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\20230224-77710.b\MB0810.D				
Lims ID:	410-115936-D-2-A				
Client ID:	Dup-01_022023				
Sample Type:	Client				
Inject. Date:	24-Feb-2023 07:26:05	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-D-2-A				
Misc. Info.:	410-0077710-011				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-Feb-2023 20:28:40	Calib Date:	26-Jan-2023 09:46:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: SJ89 Date: 24-Feb-2023 15:01:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2008	80.33
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1944	77.77
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1864	74.56

Report Date: 24-Feb-2023 20:29:03 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0810.D

Injection Date: 24-Feb-2023 07:26:05 Instrument ID: HP21585

Lims ID: 410-115936-D-2-A Lab Sample ID: 410-115936-2

Client ID: Dup-01_022023

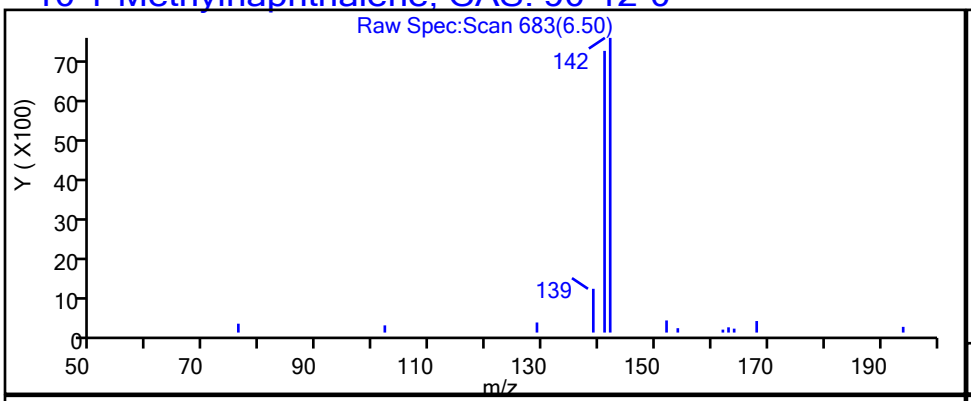
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 11

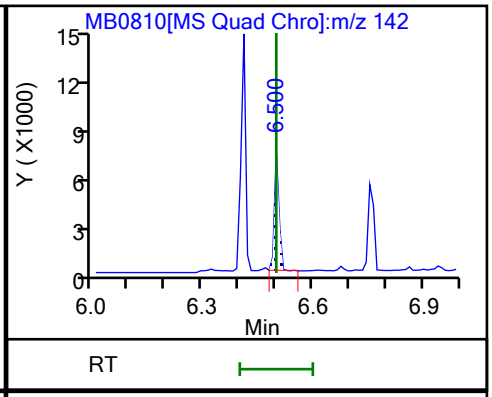
Injection Vol: 1.0 ul Dil. Factor: 1.0000

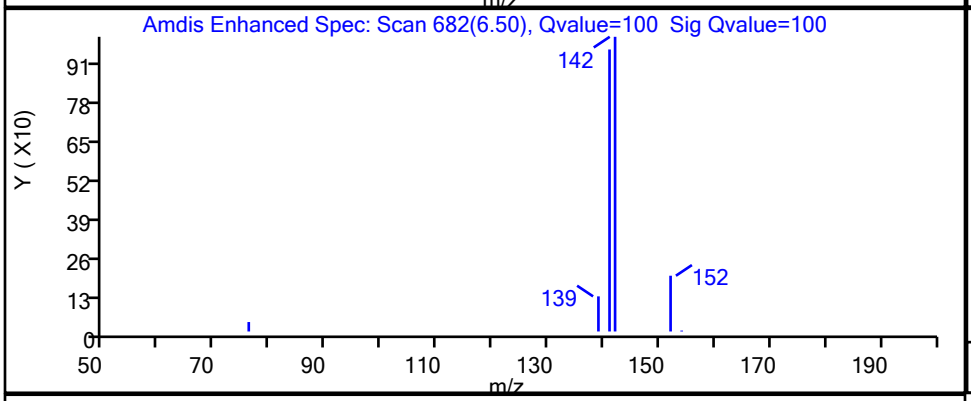
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

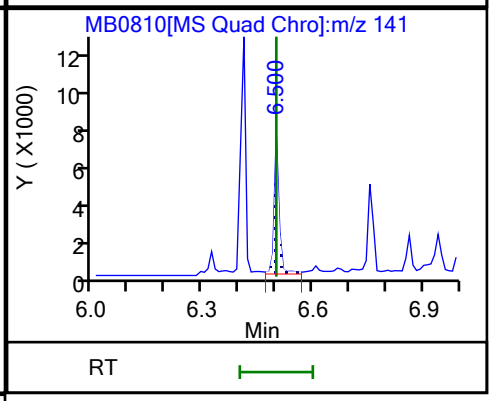
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

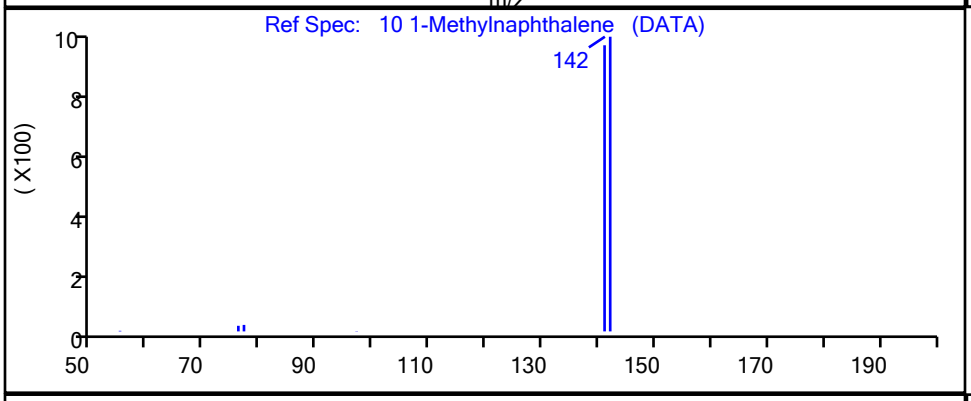
10 1-Methylnaphthalene, CAS: 90-12-0

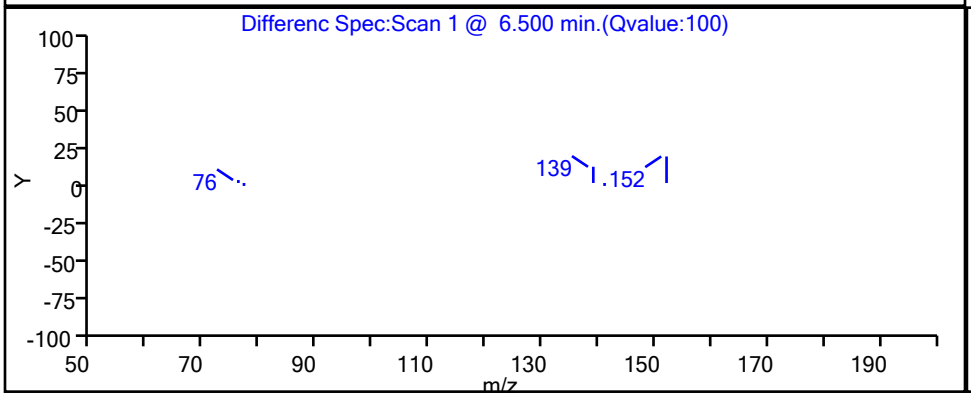


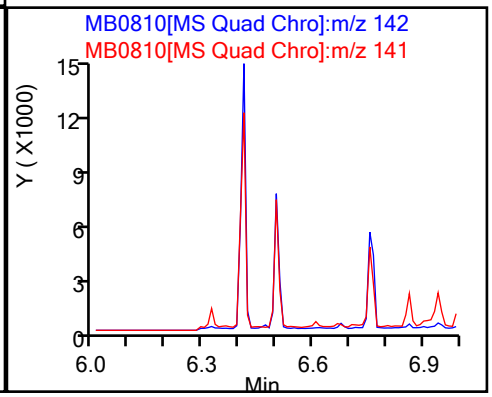












Report Date: 24-Feb-2023 20:29:03 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0810.D

Injection Date: 24-Feb-2023 07:26:05 Instrument ID: HP21585

Lims ID: 410-115936-D-2-A Lab Sample ID: 410-115936-2

Client ID: Dup-01_022023

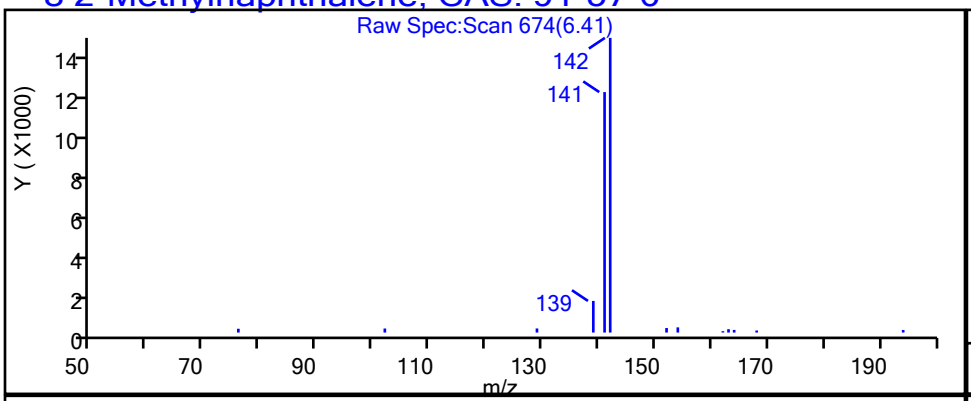
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 11

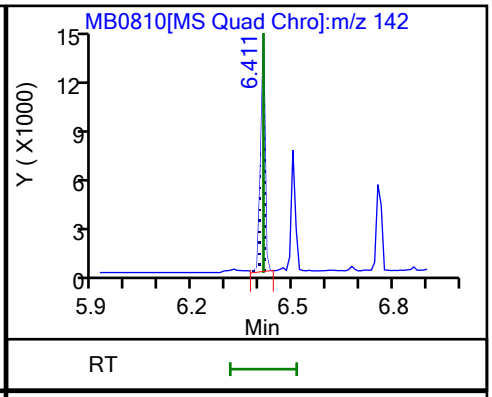
Injection Vol: 1.0 ul Dil. Factor: 1.0000

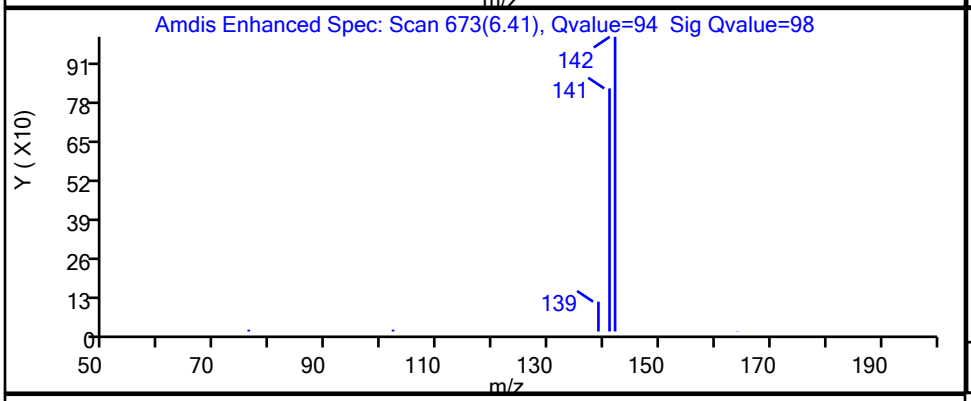
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

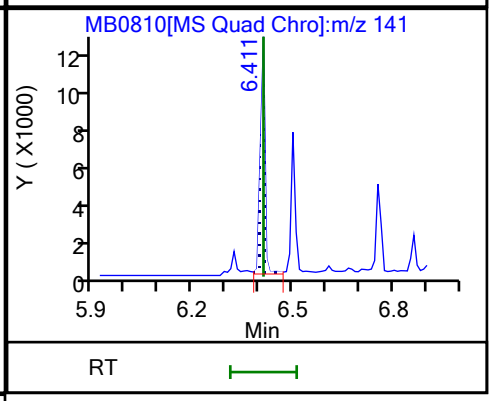
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

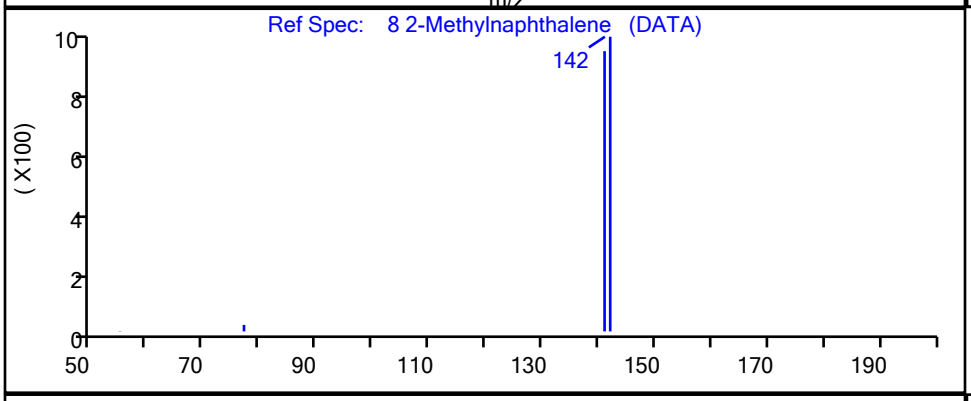
8 2-Methylnaphthalene, CAS: 91-57-6

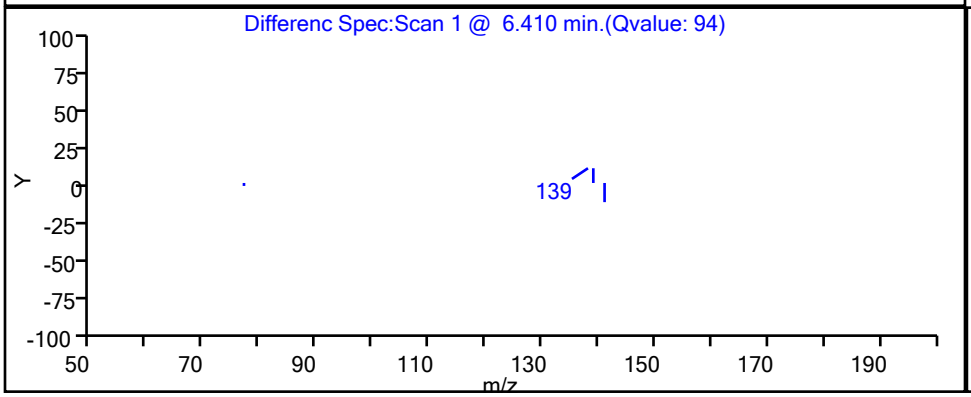


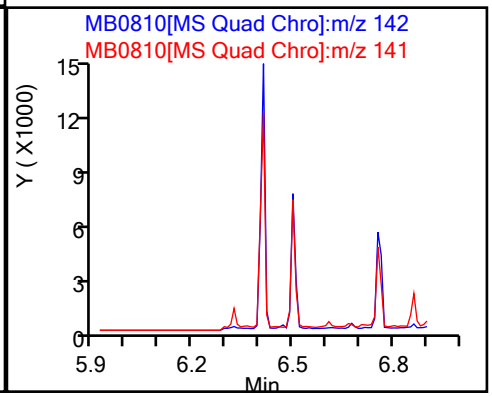










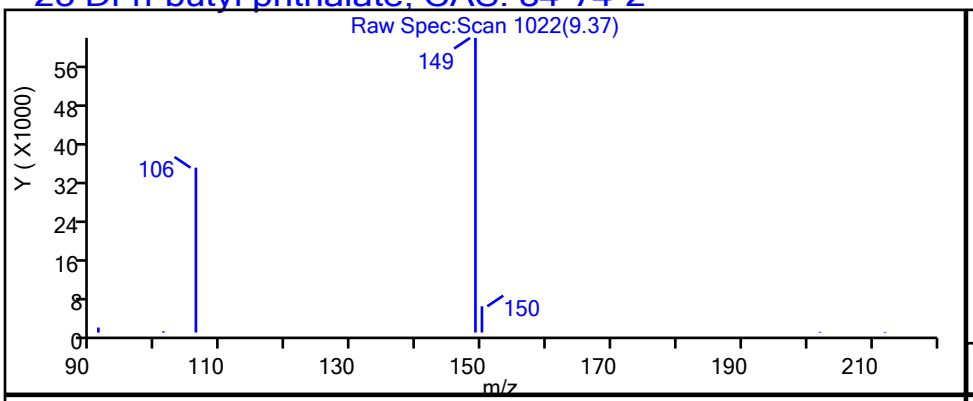


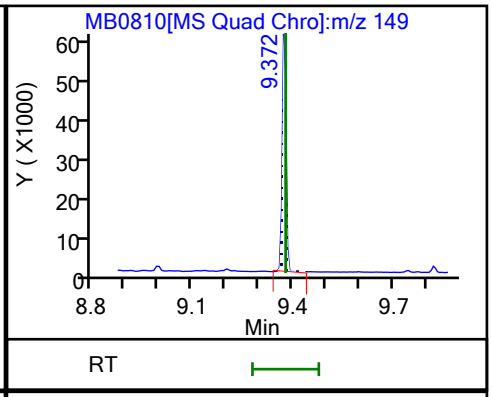
Report Date: 24-Feb-2023 20:29:03 Chrom Revision: 2.3 15-Feb-2023 20:44:50

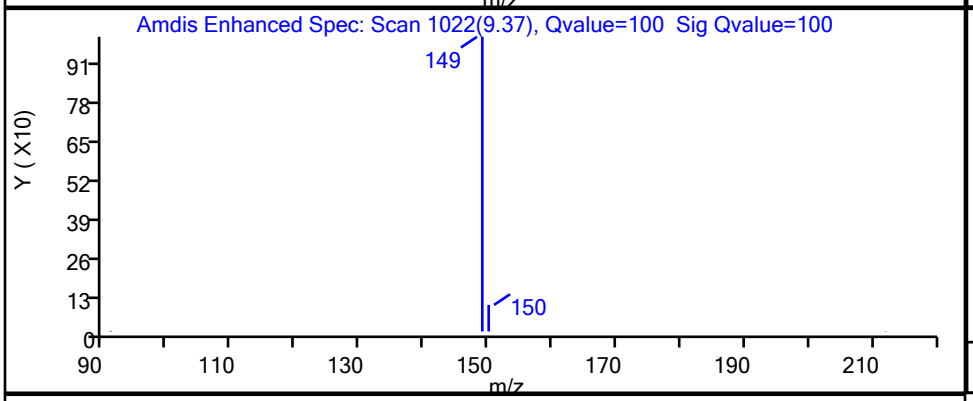
Eurofins Lancaster Laboratories Environment Testing, LLC

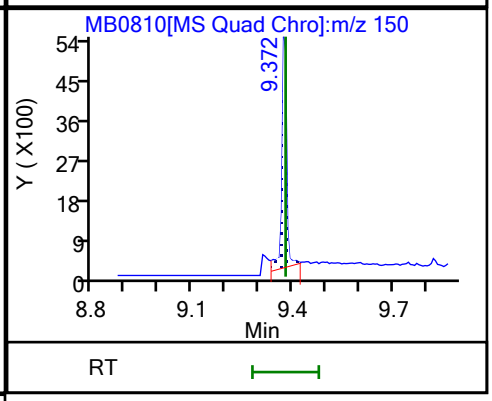
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0810.D		
Injection Date:	24-Feb-2023 07:26:05	Instrument ID:	HP21585
Lims ID:	410-115936-D-2-A	Lab Sample ID:	410-115936-2
Client ID:	Dup-01_022023		
Operator ID:	jmg00346	ALS Bottle#:	0 Worklist Smp#: 11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

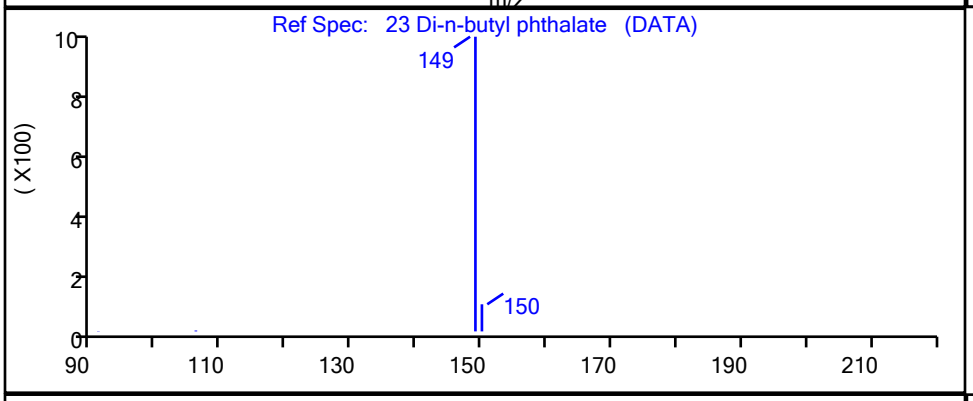
23 Di-n-butyl phthalate, CAS: 84-74-2

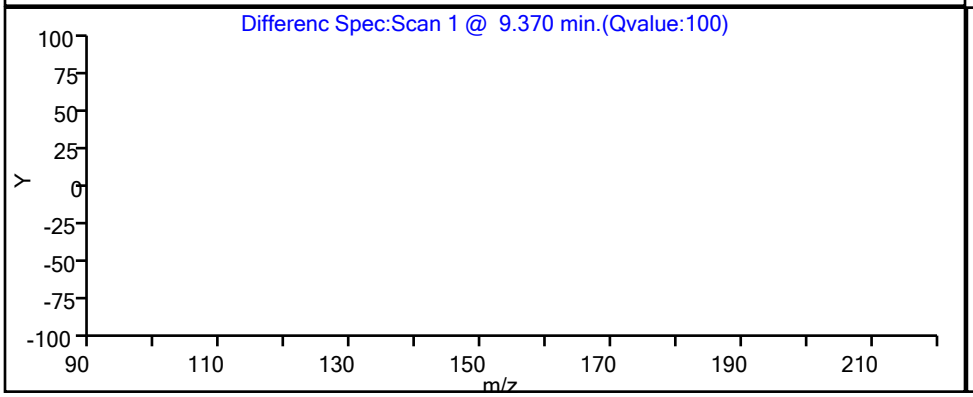


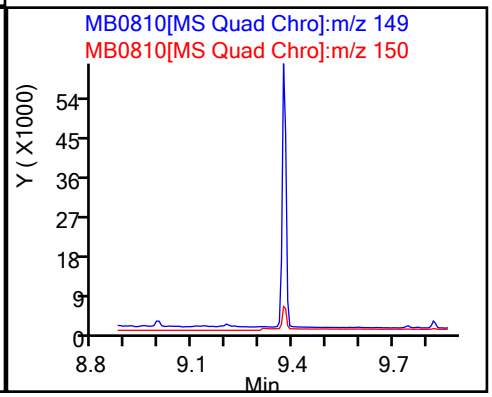












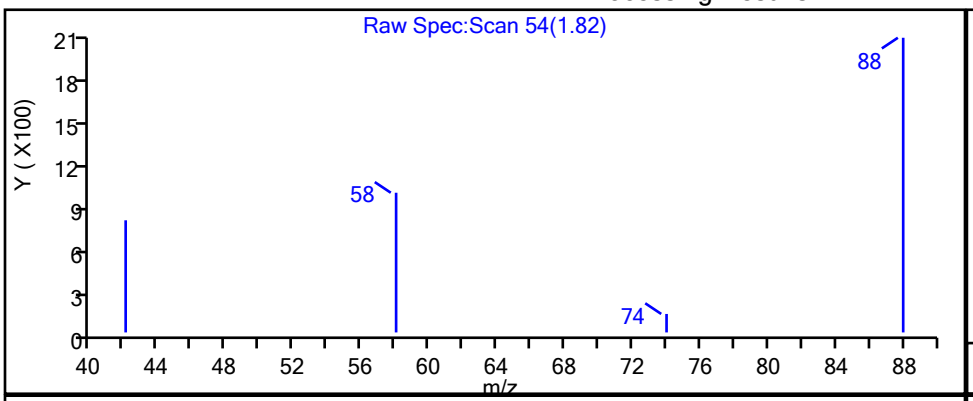
User Disabled Compound Report

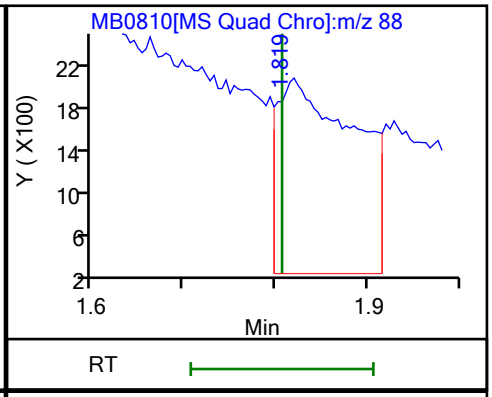
Eurofins Lancaster Laboratories Environment Testing, LLC

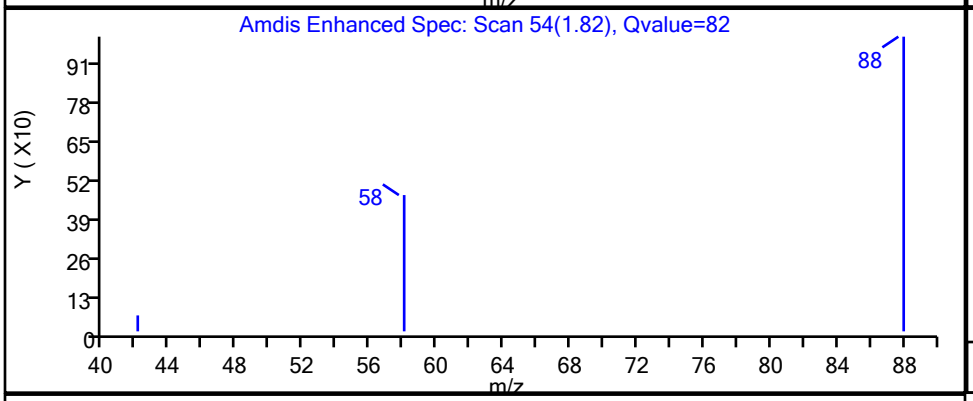
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0810.D				
Injection Date:	24-Feb-2023 07:26:05	Instrument ID:	HP21585		
Lims ID:	410-115936-D-2-A	Lab Sample ID:	410-115936-2		
Client ID:	Dup-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	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		

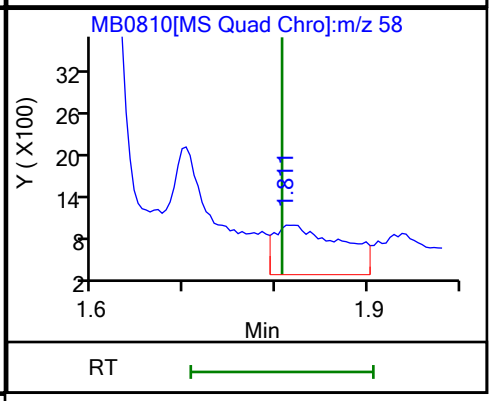
1 1,4-Dioxane, CAS: 123-91-1

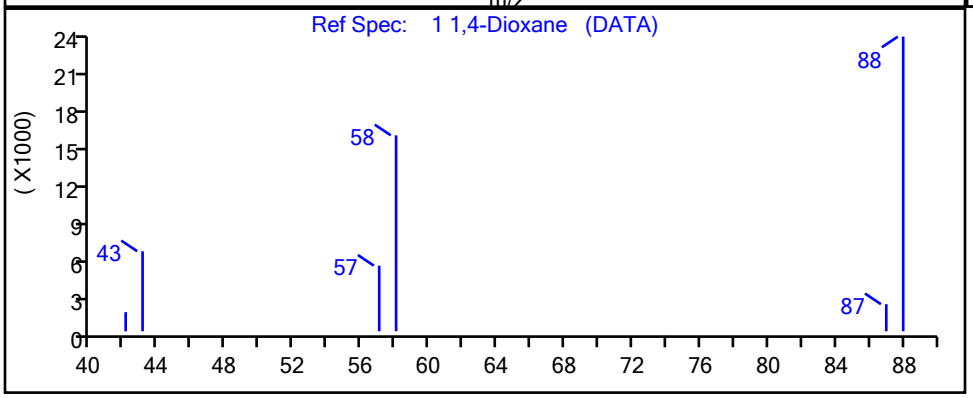
Processing Results











RT	Mass	Response	Amount
1.82	88.00	10229	0.066314
1.81	58.00	3645	

Reviewer: SJ89, 24-Feb-2023 18:14:40

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

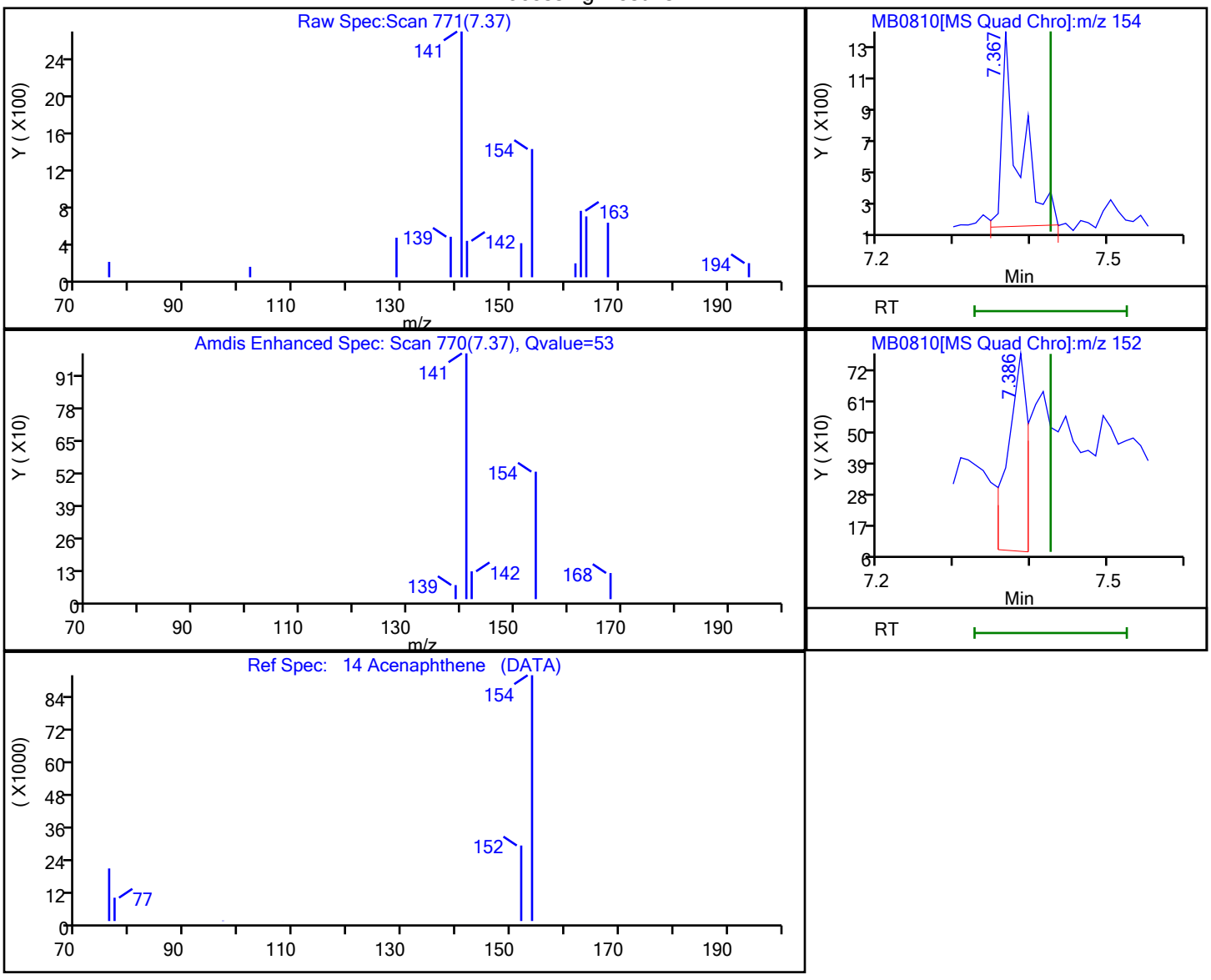
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0810.D				
Injection Date:	24-Feb-2023 07:26:05	Instrument ID:	HP21585		
Lims ID:	410-115936-D-2-A	Lab Sample ID:	410-115936-2		
Client ID:	Dup-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	11
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

Processing Results



RT	Mass	Response	Amount
7.37	154.00	1851	0.002643
7.39	152.00	1088	

Reviewer: SJ89, 24-Feb-2023 18:15:17

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

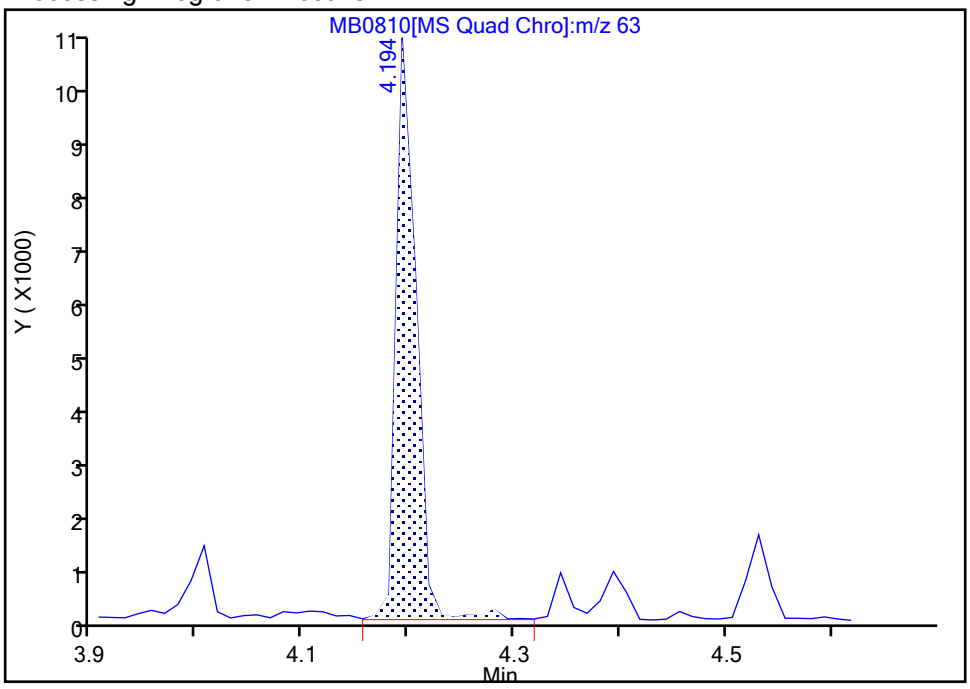
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0810.D				
Injection Date:	24-Feb-2023 07:26:05	Instrument ID:	HP21585		
Lims ID:	410-115936-D-2-A	Lab Sample ID:	410-115936-2		
Client ID:	Dup-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	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: 2

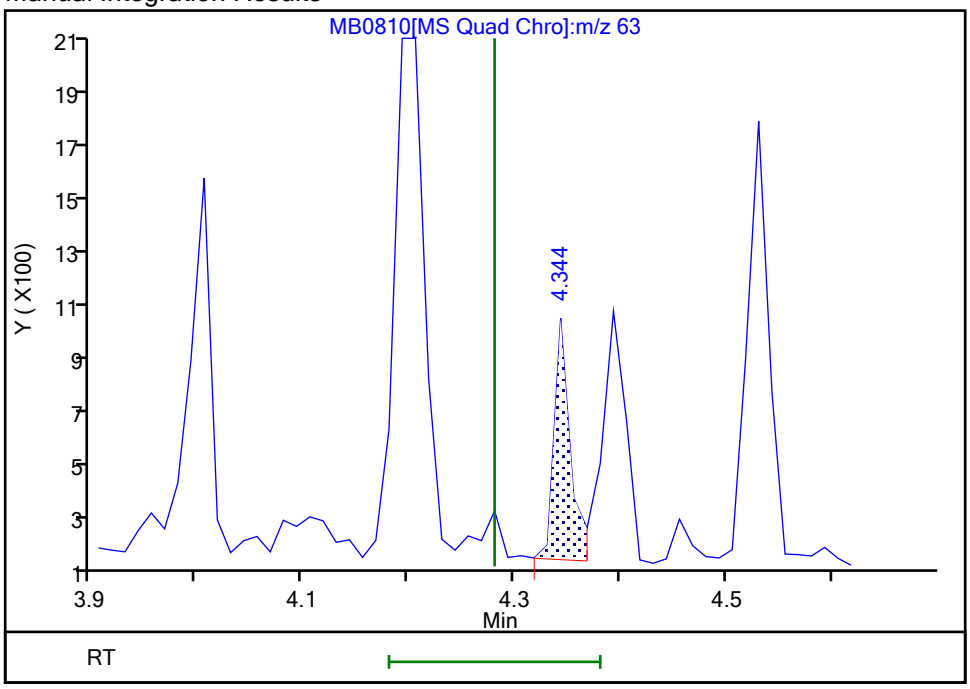
Processing Integration Results

RT: 4.19
Area: 14136
Amount: 0.005756
Amount Units: ug/ml



Manual Integration Results

RT: 4.34
Area: 896
Amount: 0.001179
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:14:46

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

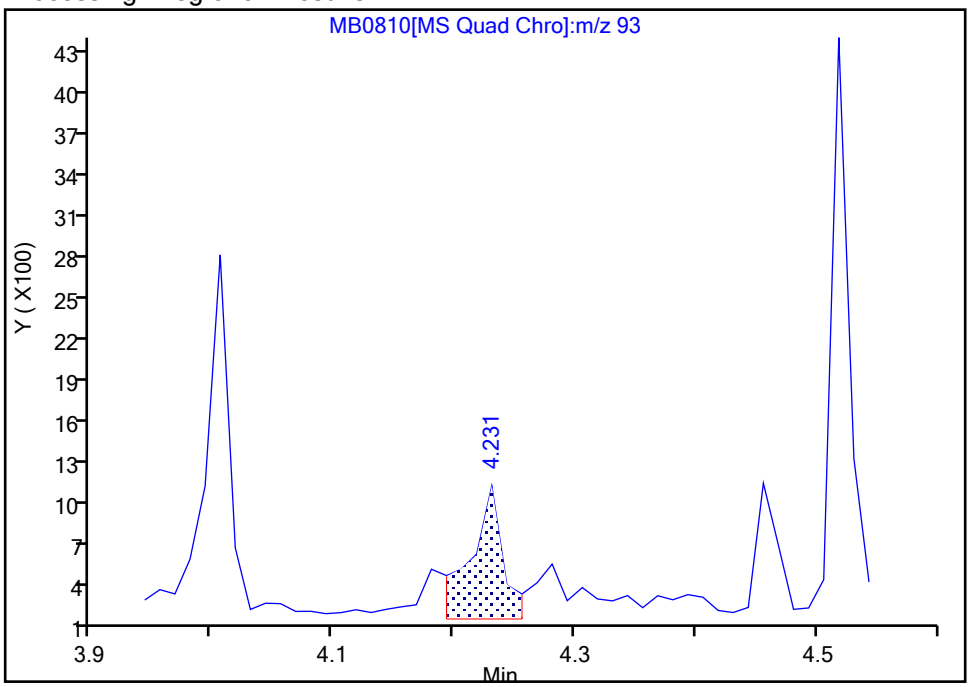
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0810.D				
Injection Date:	24-Feb-2023 07:26:05	Instrument ID:	HP21585		
Lims ID:	410-115936-D-2-A	Lab Sample ID:	410-115936-2		
Client ID:	Dup-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	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

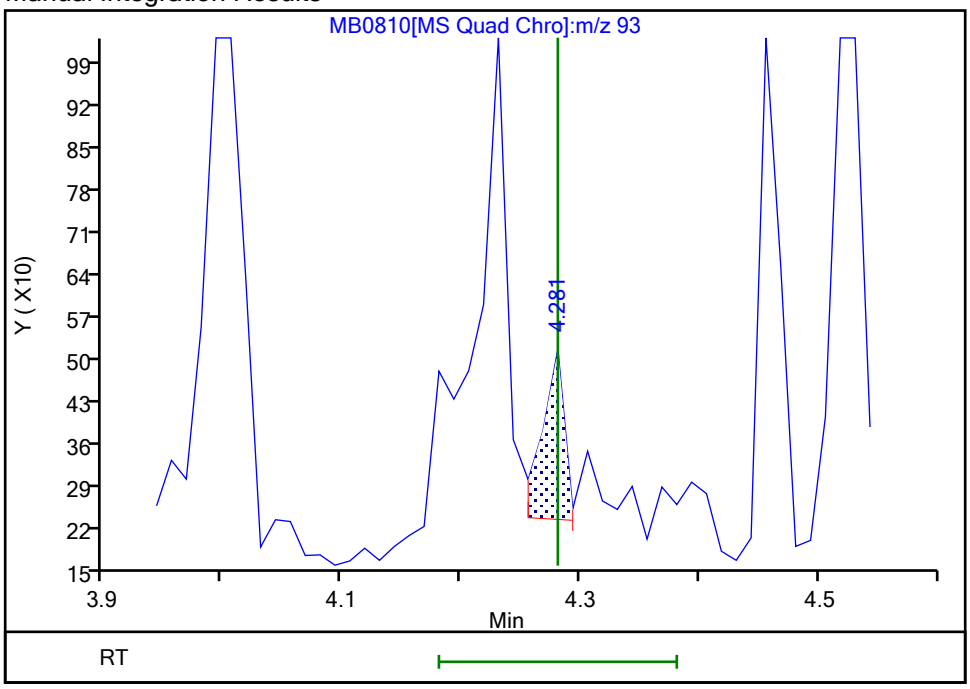
Processing Integration Results

RT: 4.23
Area: 1724
Amount: 0.005756
Amount Units: ug/ml



Manual Integration Results

RT: 4.28
Area: 353
Amount: 0.001179
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:14:56

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

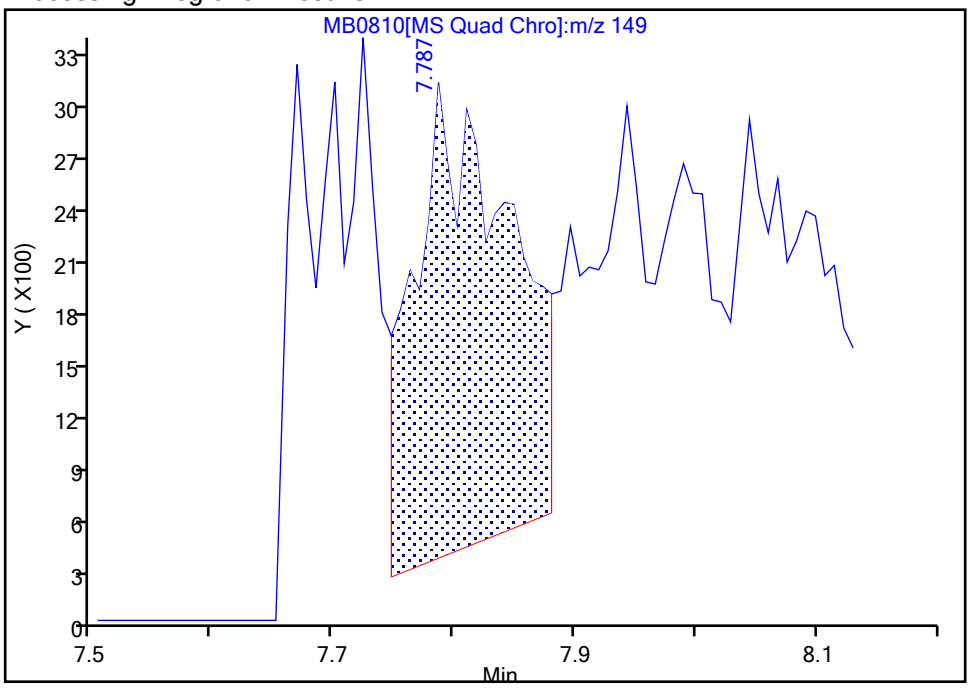
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0810.D				
Injection Date:	24-Feb-2023 07:26:05	Instrument ID:	HP21585		
Lims ID:	410-115936-D-2-A	Lab Sample ID:	410-115936-2		
Client ID:	Dup-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	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

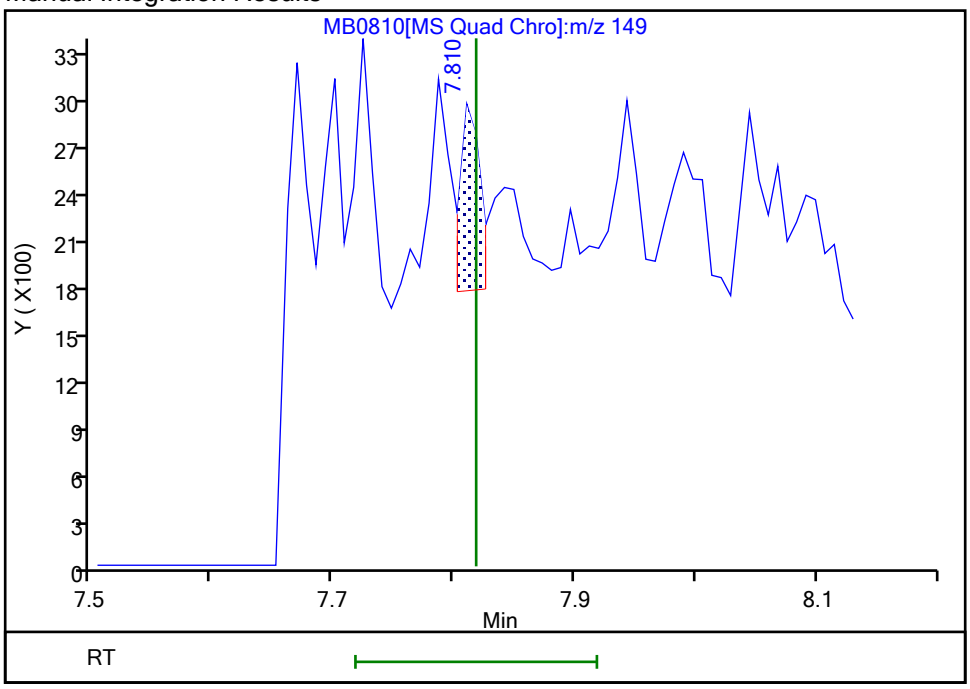
Processing Integration Results

RT: 7.79
Area: 14766
Amount: 0.022093
Amount Units: ug/ml



Manual Integration Results

RT: 7.81
Area: 1245
Amount: 0.001863
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:15:30

Audit Action: Manually Integrated Audit Reason: Baseline

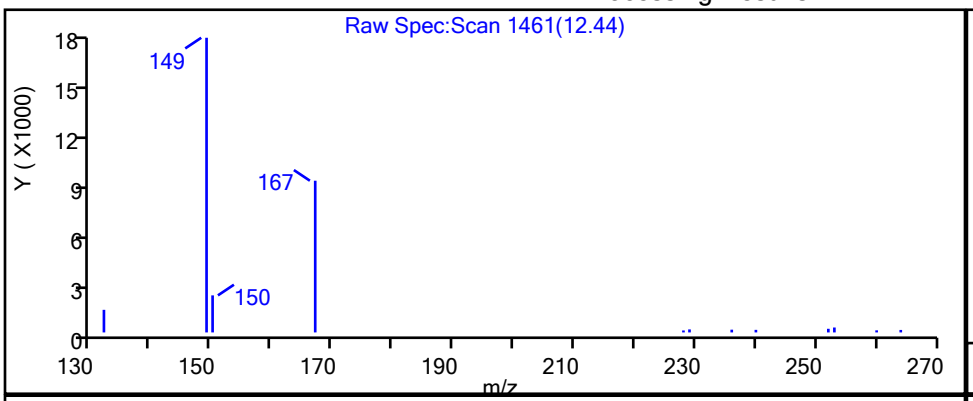
User Disabled Compound Report

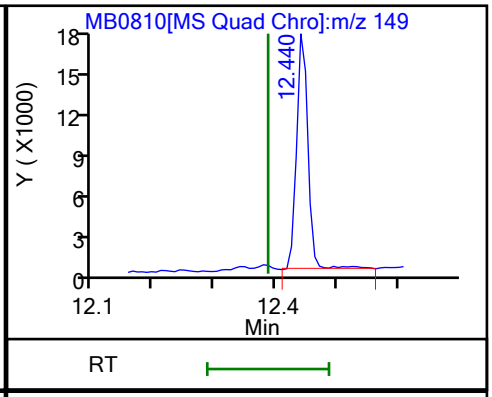
Eurofins Lancaster Laboratories Environment Testing, LLC

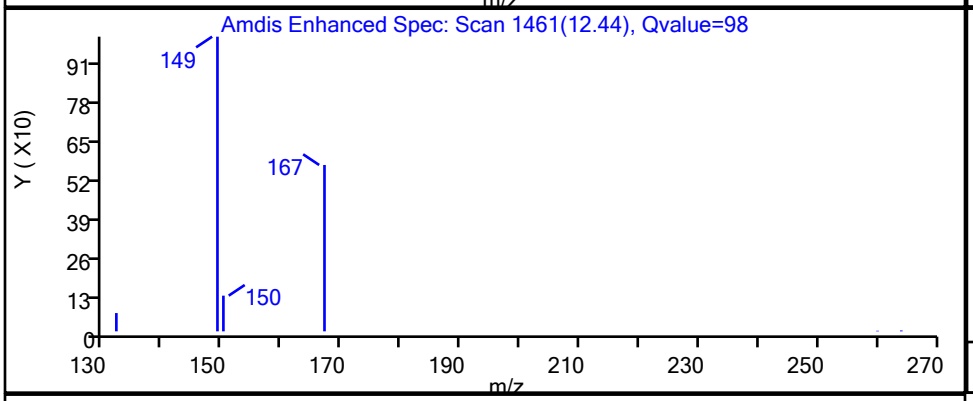
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0810.D				
Injection Date:	24-Feb-2023 07:26:05	Instrument ID:	HP21585		
Lims ID:	410-115936-D-2-A	Lab Sample ID:	410-115936-2		
Client ID:	Dup-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	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		

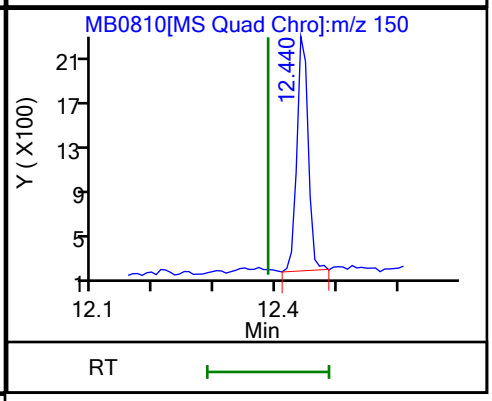
32 Di-n-octyl phthalate, CAS: 117-84-0

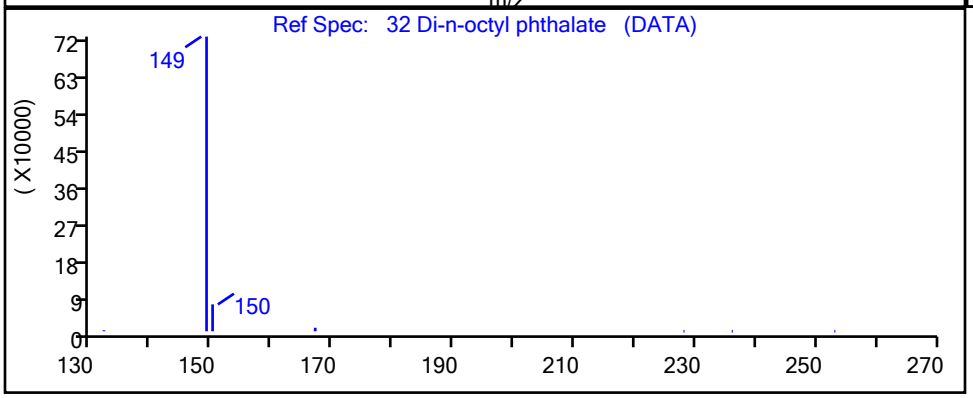
Processing Results











RT	Mass	Response	Amount
12.44	149.00	21916	0.027007
12.44	150.00	2578	

Reviewer: SJ89, 24-Feb-2023 18:15:40

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.: 410-115936-1

SDG No.:

Client Sample ID: Dup-01_022023 RE
Lab Sample ID: 410-115936-2 RE

Matrix: Water
Lab File ID: NB0761.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 12:00

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 248(mL)
Date Analyzed: 02/28/2023 07:33

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.: 348434
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND	H	0.30	0.10
90-12-0	1-Methylnaphthalene	ND	H	0.050	0.020
91-57-6	2-Methylnaphthalene	ND	H	0.050	0.020
83-32-9	Acenaphthene	ND	H	0.050	0.010
208-96-8	Acenaphthylene	ND	H	0.050	0.010
120-12-7	Anthracene	ND	H	0.050	0.010
56-55-3	Benzo[a]anthracene	ND	H	0.050	0.010
50-32-8	Benzo[a]pyrene	ND	H	0.050	0.010
205-99-2	Benzo[b]fluoranthene	ND	H	0.050	0.010
191-24-2	Benzo[g,h,i]perylene	ND	H	0.050	0.010
207-08-9	Benzo[k]fluoranthene	ND	H	0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	ND	H	0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	H B * + *1	1.0	0.050
85-68-7	Butylbenzylphthalate	ND	H	1.0	0.050
218-01-9	Chrysene	ND	H	0.050	0.010
53-70-3	Dibenz(a,h)anthracene	ND	H	0.050	0.020
132-64-9	Dibenzofuran	ND	H	0.050	0.010
84-66-2	Diethylphthalate	ND	H	1.0	0.050
131-11-3	Dimethylphthalate	ND	H	1.0	0.050
84-74-2	Di-n-butyl phthalate	0.67	J H B *+ *1	1.0	0.050
117-84-0	Di-n-octyl phthalate	ND	H	1.0	0.050
206-44-0	Fluoranthene	ND	H	0.050	0.010
86-73-7	Fluorene	ND	H	0.050	0.010
118-74-1	Hexachlorobenzene	ND	H	0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	0.050	0.020
91-20-3	Naphthalene	ND	H	0.071	0.030
62-75-9	N-Nitrosodimethylamine	ND	H	0.050	0.020
85-01-8	Phenanthrene	ND	H	0.071	0.030
129-00-0	Pyrene	ND	H	0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: Dup-01_022023 RE
Lab Sample ID: 410-115936-2 RE

Matrix: Water
Lab File ID: NB0761.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 12:00

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 248(mL)
Date Analyzed: 02/28/2023 07:33

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.: 348434
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	75		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	88		10-110
93951-69-0	Fluoranthene-d10 (Surr)	88		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0761.D				
Lims ID:	410-115936-E-2-A RE				
Client ID:	Dup-01_022023				
Sample Type:	Client				
Inject. Date:	28-Feb-2023 07:33:30	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-E-2-A				
Misc. Info.:	410-0077901-012				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	28-Feb-2023 15:57:44	Calib Date:	22-Feb-2023 01:02:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1680				
First Level Reviewer: UJM0		Date:	28-Feb-2023 07:54:38		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.582	4.582	0.000	99	37736	0.2500	
* 5 Naphthalene-d8	136	5.769	5.781	-0.012	99	129019	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.509	6.493	0.002	99	42252	0.1882	
* 13 Acenaphthene-d10	164	7.431	7.438	-0.008	88	52265	0.2500	
* 20 Phenanthrene-d10	188	8.837	8.845	-0.008	98	73661	0.2500	
23 Di-n-butyl phthalate	149	9.408	9.401	-0.001	100	47413	0.1655	
$ 24 Fluoranthene-d10 (Surr)	212	9.972	9.971	-0.007	100	52650	0.2212	
* 29 Chrysene-d12	240	11.510	11.519	-0.009	81	41327	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.571	11.571	-0.009	99	41067	0.3854	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.366	13.366	-0.009	99	27144	0.2200	
* 38 Perylene-d12	264	13.489	13.490	-0.001	96	36780	0.2500	

QC Flag Legend

Processing Flags

Reagents:

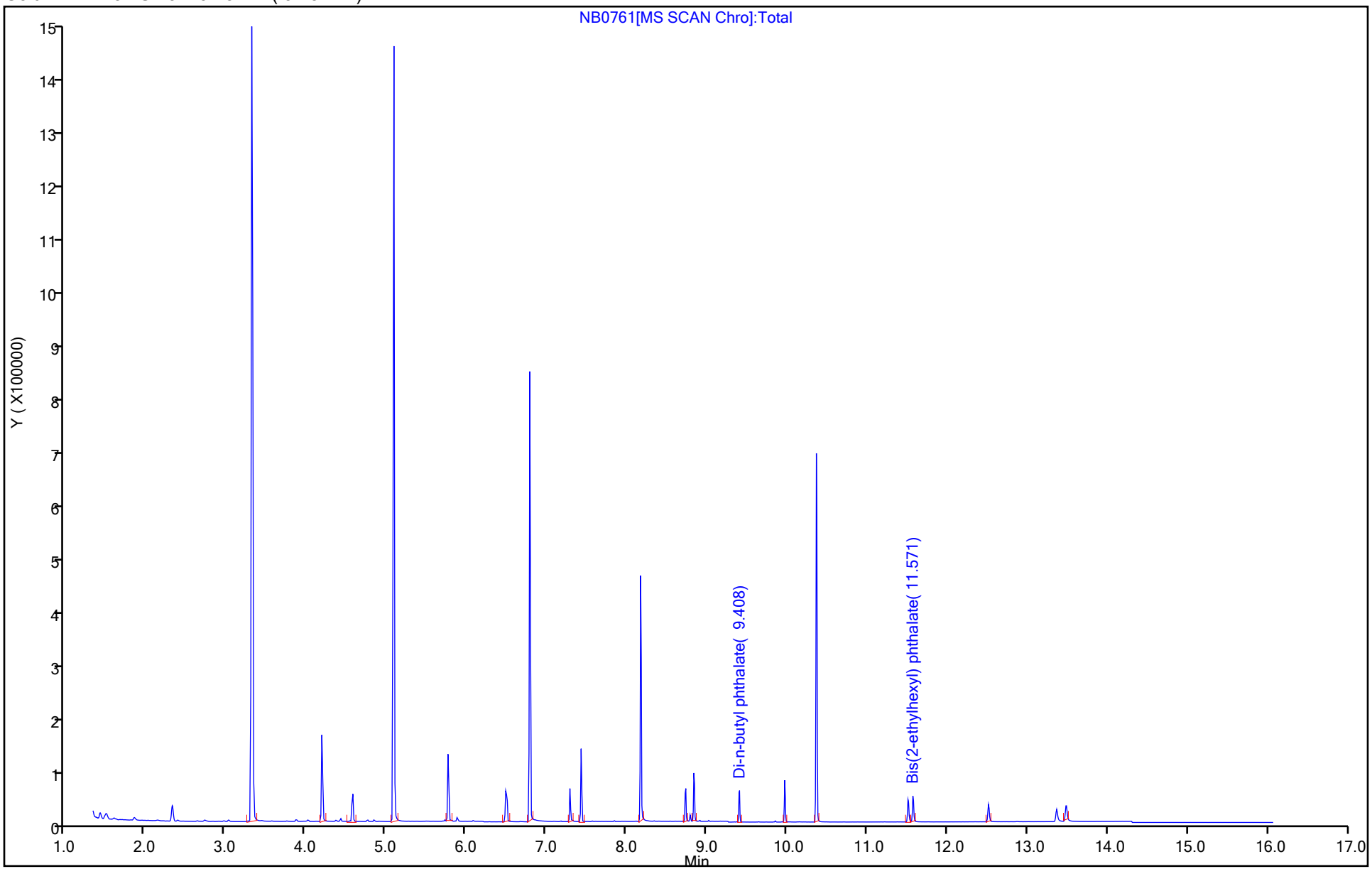
MSS_RVSIM_IS_00032 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 28-Feb-2023 15:58:03 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0761.D				
Injection Date:	28-Feb-2023 07:33:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-115936-E-2-A RE	Lab Sample ID:	410-115936-2	Worklist Smp#:	12
Client ID:	Dup-01_022023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
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\20230228-77901.b\NB0761.D				
Lims ID:	410-115936-E-2-A RE				
Client ID:	Dup-01_022023				
Sample Type:	Client				
Inject. Date:	28-Feb-2023 07:33:30	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-E-2-A				
Misc. Info.:	410-0077901-012				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	28-Feb-2023 15:57:44	Calib Date:	22-Feb-2023 01:02:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1680				

First Level Reviewer: UJM0 Date: 28-Feb-2023 07:54:38

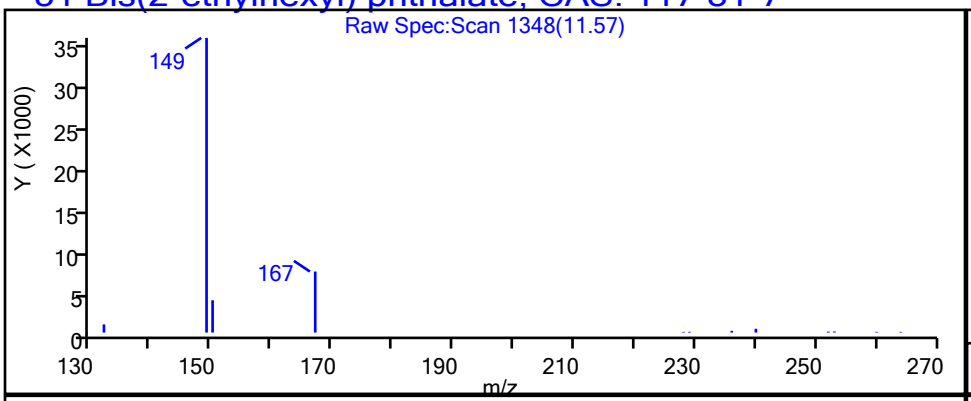
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1882	75.27
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2212	88.46
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2200	87.99

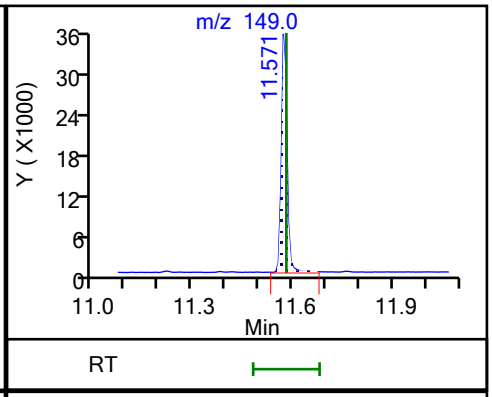
Report Date: 28-Feb-2023 15:58:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50

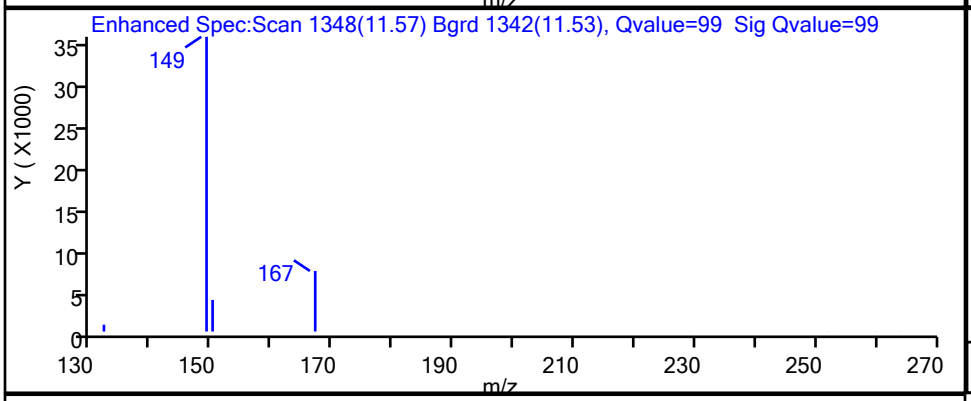
Eurofins Lancaster Laboratories Environment Testing, LLC

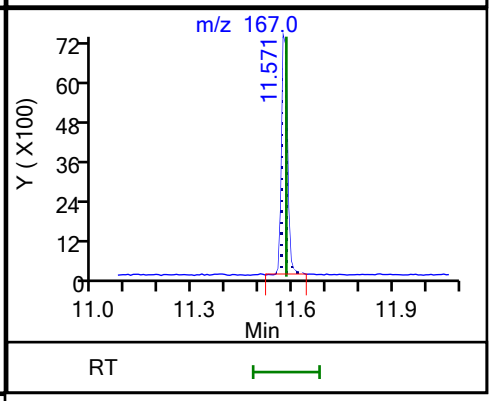
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0761.D				
Injection Date:	28-Feb-2023 07:33:30	Instrument ID:	HP23263		
Lims ID:	410-115936-E-2-A RE	Lab Sample ID:	410-115936-2		
Client ID:	Dup-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 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		

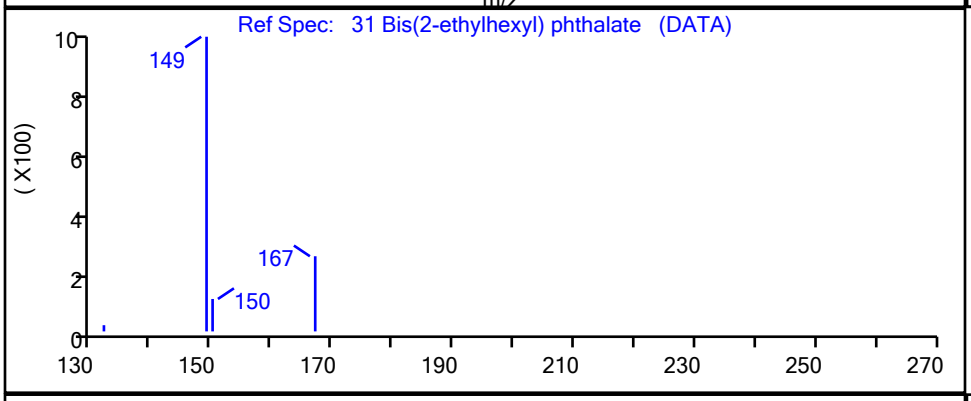
31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

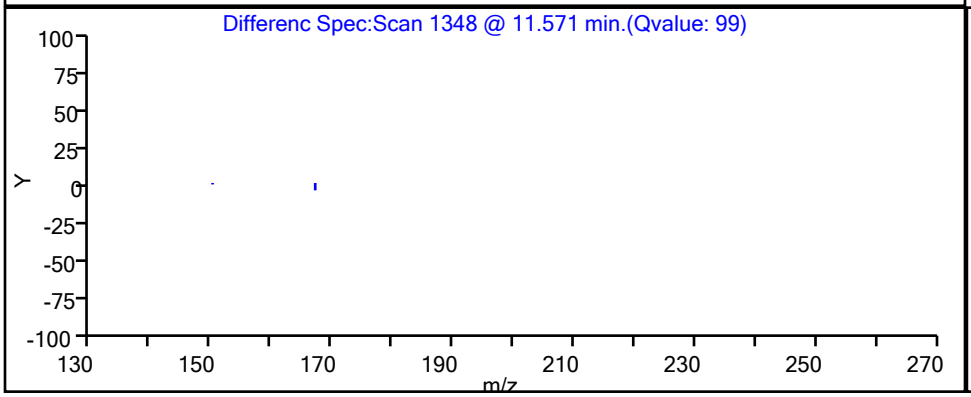


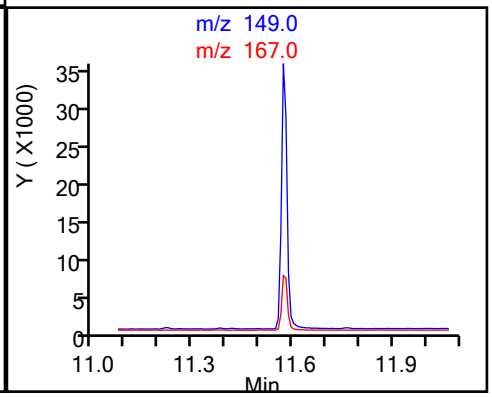










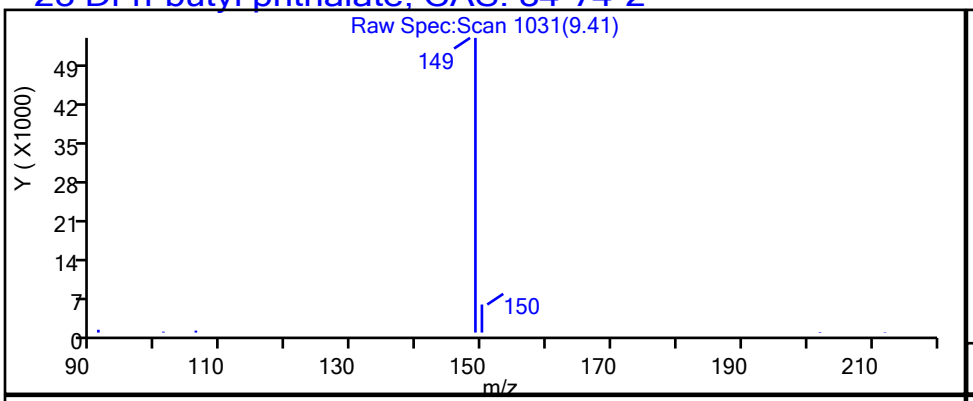


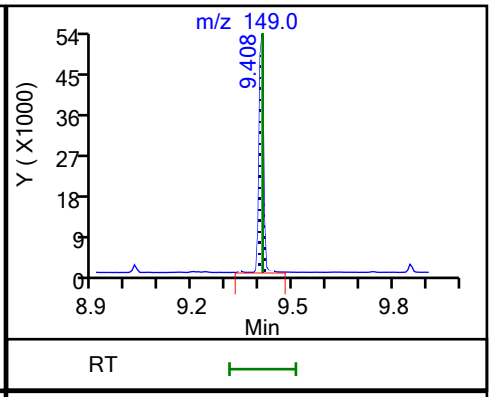
Report Date: 28-Feb-2023 15:58:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50

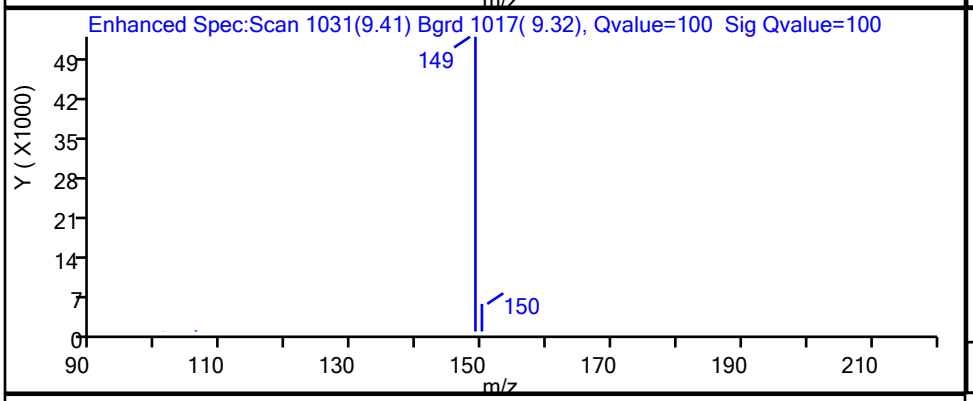
Eurofins Lancaster Laboratories Environment Testing, LLC

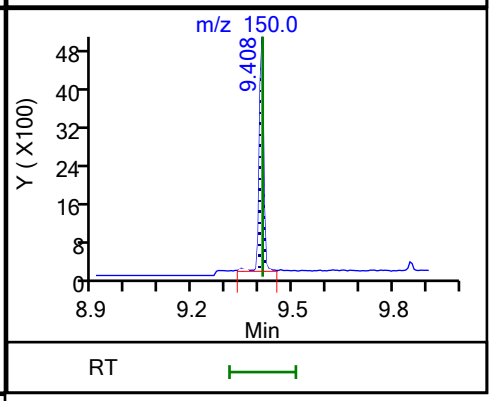
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0761.D				
Injection Date:	28-Feb-2023 07:33:30	Instrument ID:	HP23263		
Lims ID:	410-115936-E-2-A RE	Lab Sample ID:	410-115936-2		
Client ID:	Dup-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 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		

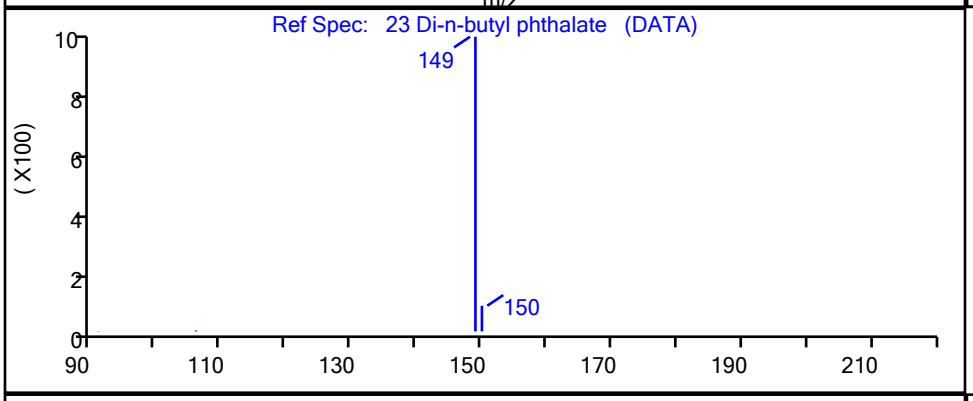
23 Di-n-butyl phthalate, CAS: 84-74-2

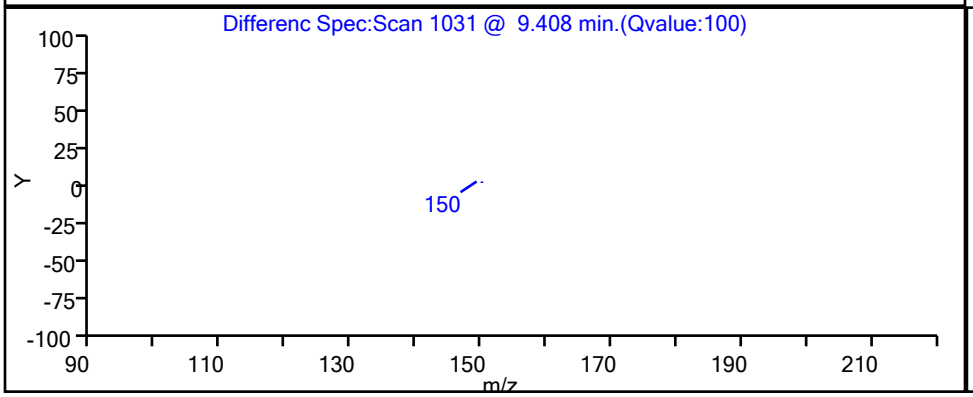


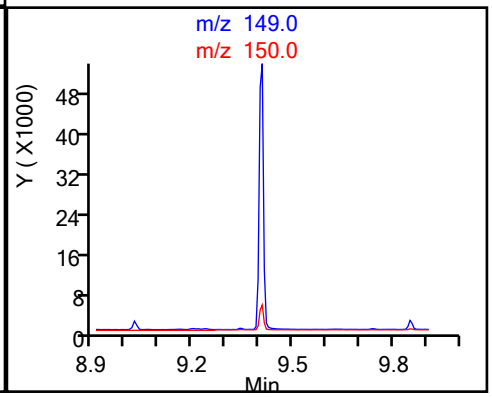












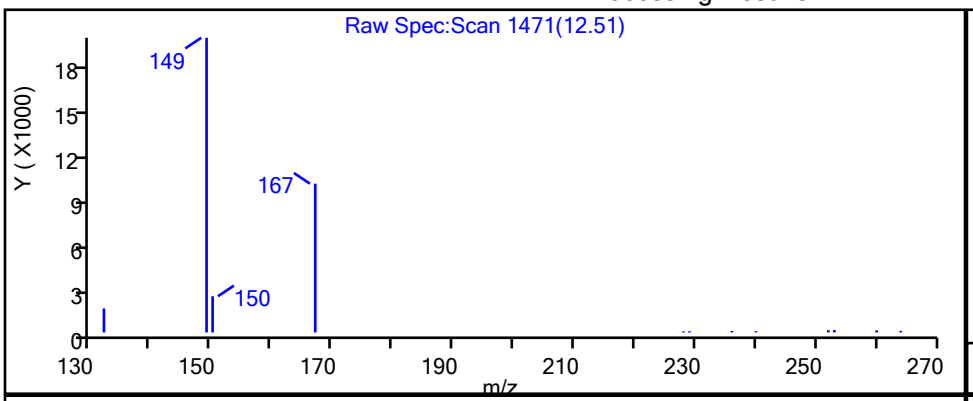
User Disabled Compound Report

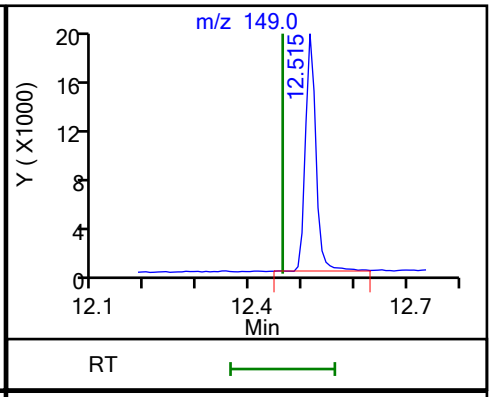
Eurofins Lancaster Laboratories Environment Testing, LLC

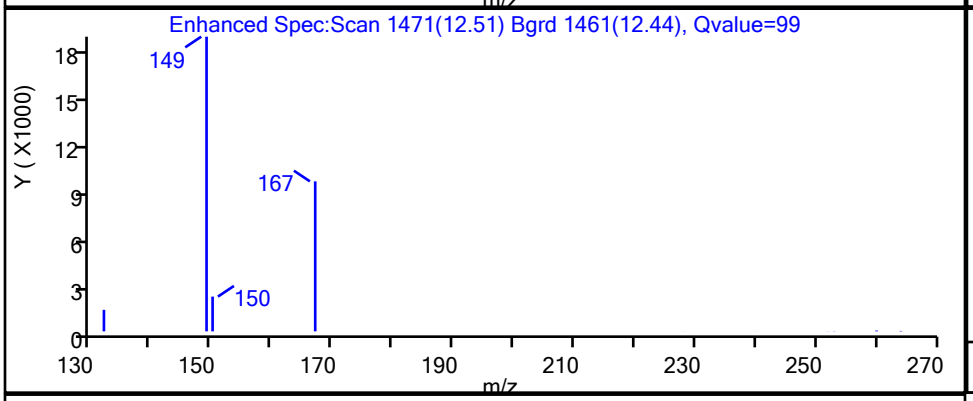
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0761.D				
Injection Date:	28-Feb-2023 07:33:30	Instrument ID:	HP23263		
Lims ID:	410-115936-E-2-A RE	Lab Sample ID:	410-115936-2		
Client ID:	Dup-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 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		

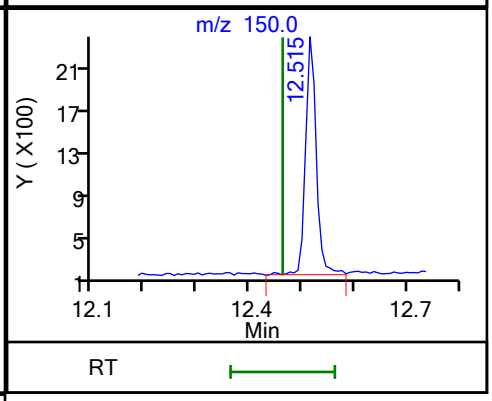
32 Di-n-octyl phthalate, CAS: 117-84-0

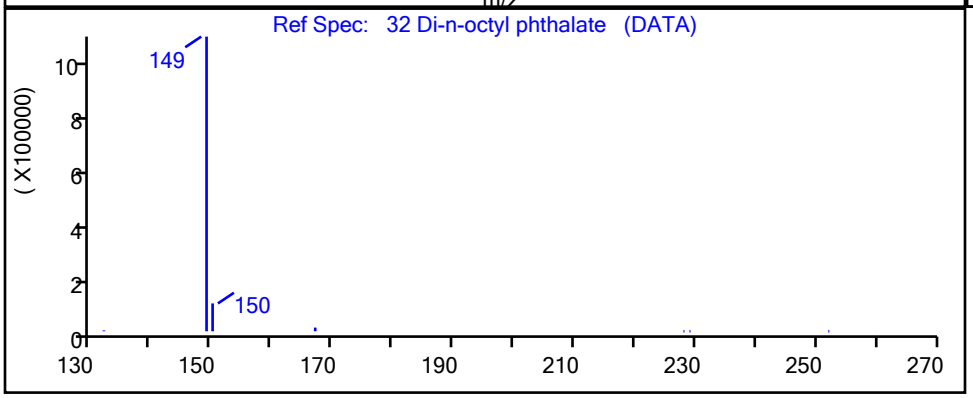
Processing Results











RT	Mass	Response	Amount
12.51	149.00	26142	0.161741
12.51	150.00	3149	

Reviewer: UJM0, 28-Feb-2023 07:54:28

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.: 410-115936-1

SDG No.:

Client Sample ID: FBW001_022023
Lab Sample ID: 410-115936-3

Matrix: Water
Lab File ID: MB0811.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 10:57

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 246.1(mL)
Date Analyzed: 02/24/2023 07:47

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.: 347593
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
117-81-7	Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051
85-68-7	Butylbenzylphthalate	ND		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	0.016	J	0.051	0.010
84-66-2	Diethylphthalate	ND		1.0	0.051
131-11-3	Dimethylphthalate	ND		1.0	0.051
84-74-2	Di-n-butyl phthalate	0.21	J B * + cn	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	0.014	J	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	cn	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.: 410-115936-1

SDG No.:

Client Sample ID: FBW001_022023
Lab Sample ID: 410-115936-3

Matrix: Water
Lab File ID: MB0811.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 10:57

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 246.1(mL)
Date Analyzed: 02/24/2023 07:47

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.: 347593
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	90		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	84		10-110
93951-69-0	Fluoranthene-d10 (Surr)	90		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0811.D				
Lims ID:	410-115936-D-3-A				
Client ID:	FBW001_022023				
Sample Type:	Client				
Inject. Date:	24-Feb-2023 07:47:16	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-D-3-A				
Misc. Info.:	410-0077710-012				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-Feb-2023 20:28:40	Calib Date:	26-Jan-2023 09:46:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				
First Level Reviewer: SJ89		Date:	24-Feb-2023 15:01:16		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.543	4.544	-0.001	86	76657	0.2500	
* 5 Naphthalene-d8	136	5.743	5.743	0.000	91	235667	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.470	6.470	0.000	96	109405	0.2240	
* 13 Acenaphthene-d10	164	7.396	7.396	0.000	90	128419	0.2500	
15 Dibenzofuran	168	7.593	7.593	0.000	89	3804	0.004034	
17 Fluorene	166	7.912	7.912	-0.008	93	2438	0.003473	
* 20 Phenanthrene-d10	188	8.801	8.809	-0.008	94	235216	0.2500	
23 Di-n-butyl phthalate	149	9.371	9.372	-0.007	100	39798	0.0505	
$ 24 Fluoranthene-d10 (Surr)	212	9.936	9.936	-0.006	98	202194	0.2239	
* 29 Chrysene-d12	240	11.443	11.451	-0.008	61	183895	0.2500	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.253	13.253	-0.008	100	159812	0.2111	
* 38 Perylene-d12	264	13.368	13.376	-0.008	100	230147	0.2500	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_IS_00033 Amount Added: 10.00 Units: uL Run Reagent

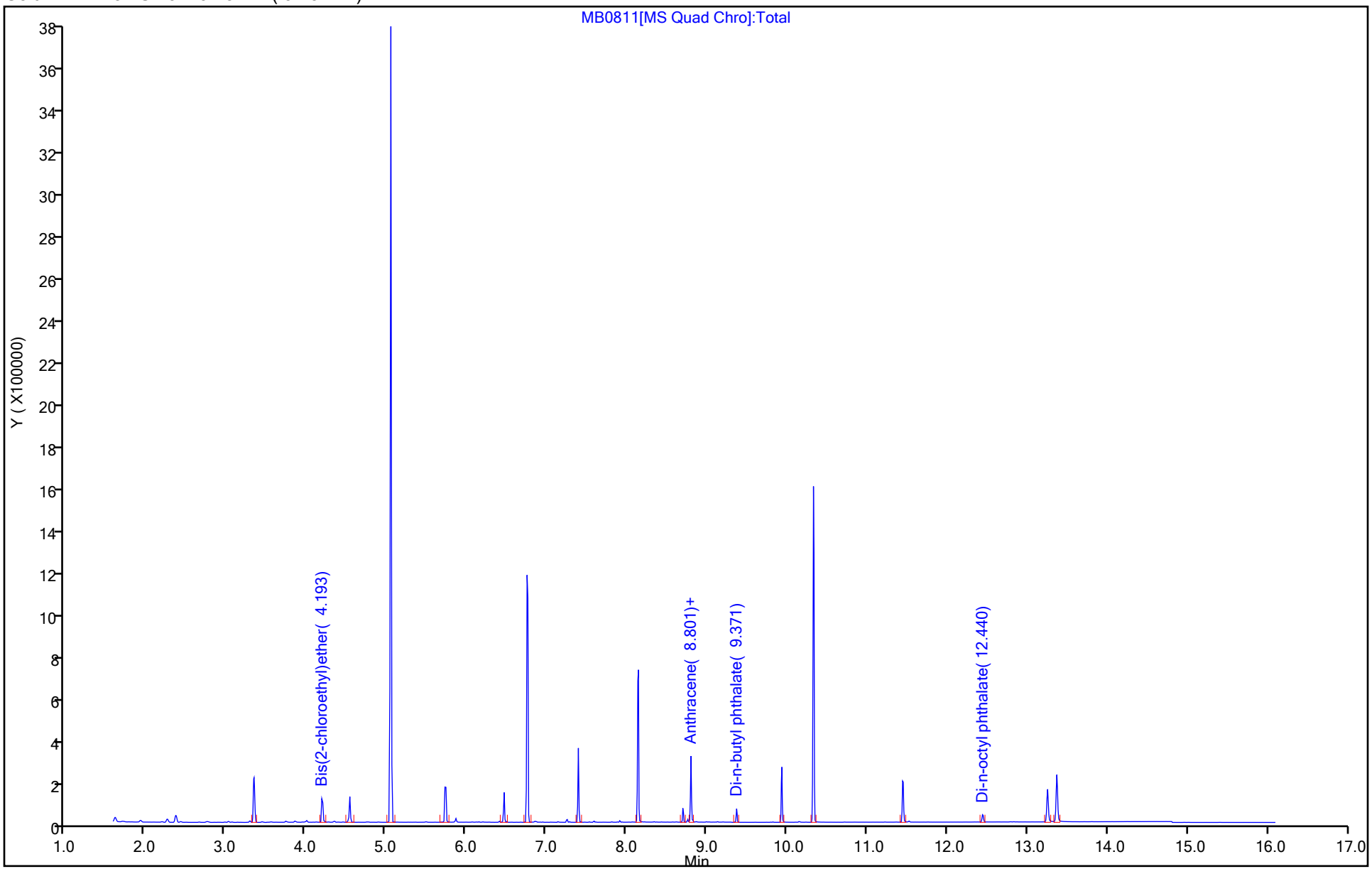
Report Date: 24-Feb-2023 20:29:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0811.D

Injection Date:	24-Feb-2023 07:47:16	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-115936-D-3-A	Lab Sample ID:	410-115936-3	Worklist Smp#:	12
Client ID:	FBW001_022023				
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\20230224-77710.b\MB0811.D				
Lims ID:	410-115936-D-3-A				
Client ID:	FBW001_022023				
Sample Type:	Client				
Inject. Date:	24-Feb-2023 07:47:16	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-D-3-A				
Misc. Info.:	410-0077710-012				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-Feb-2023 20:28:40	Calib Date:	26-Jan-2023 09:46:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: SJ89 Date: 24-Feb-2023 15:01:16

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2240	89.59
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2239	89.55
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2111	84.45

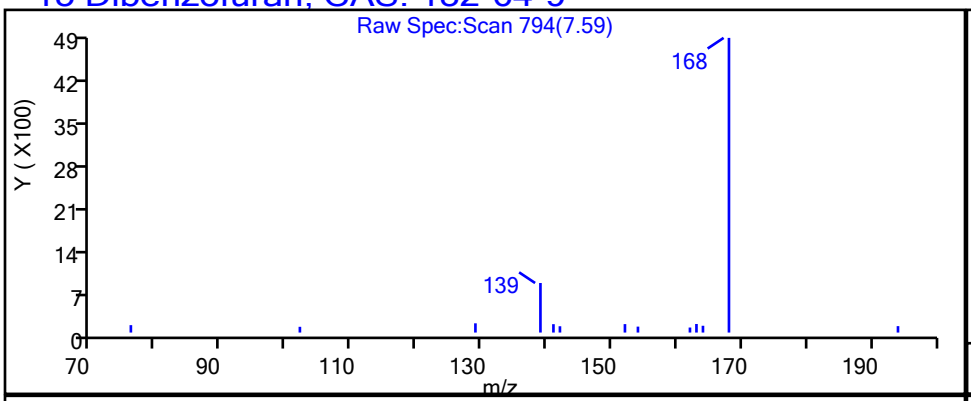
Report Date: 24-Feb-2023 20:29:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50

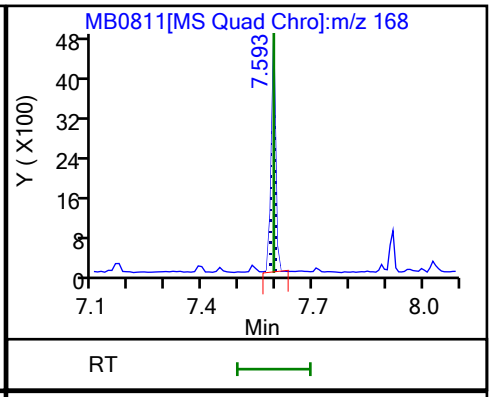
Eurofins Lancaster Laboratories Environment Testing, LLC

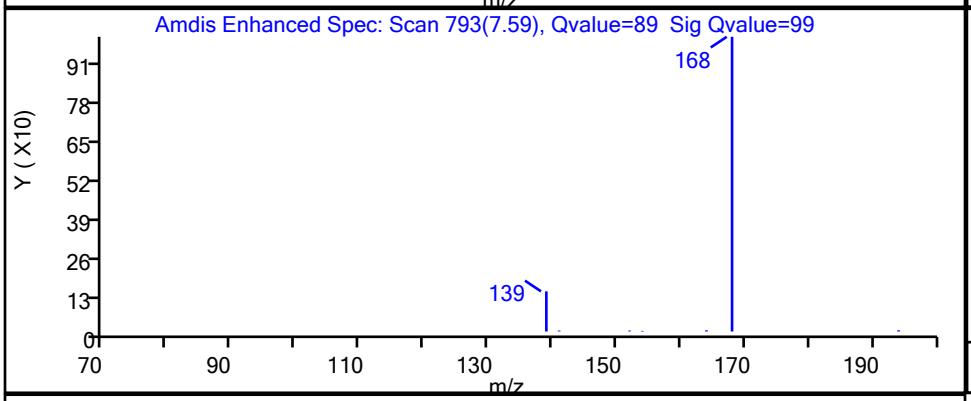
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0811.D

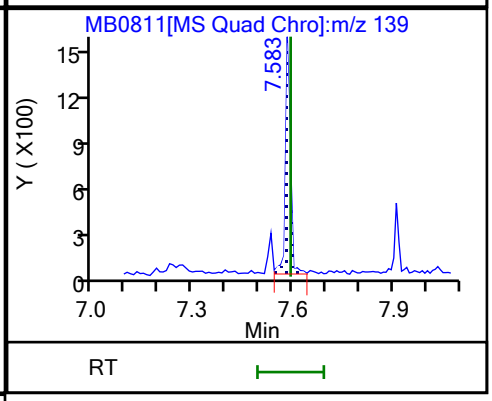
Injection Date:	24-Feb-2023 07:47:16	Instrument ID:	HP21585
Lims ID:	410-115936-D-3-A	Lab Sample ID:	410-115936-3
Client ID:	FBW001_022023		
Operator ID:	jmg00346	ALS Bottle#:	0 Worklist Smp#: 12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

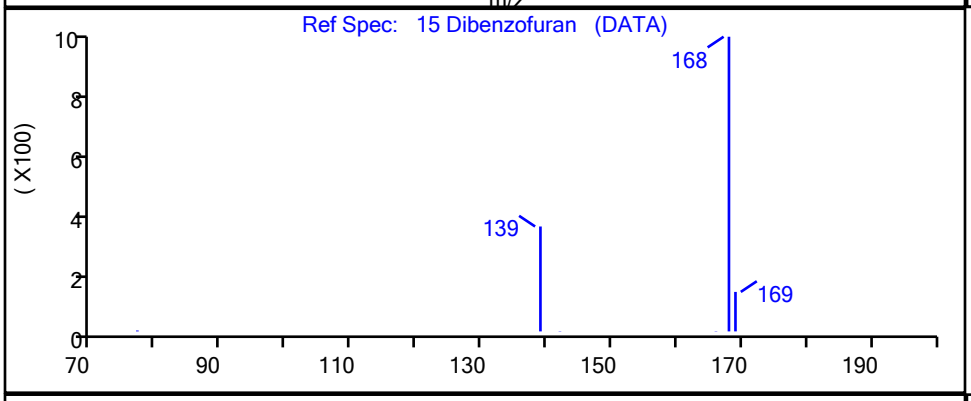
15 Dibenzofuran, CAS: 132-64-9

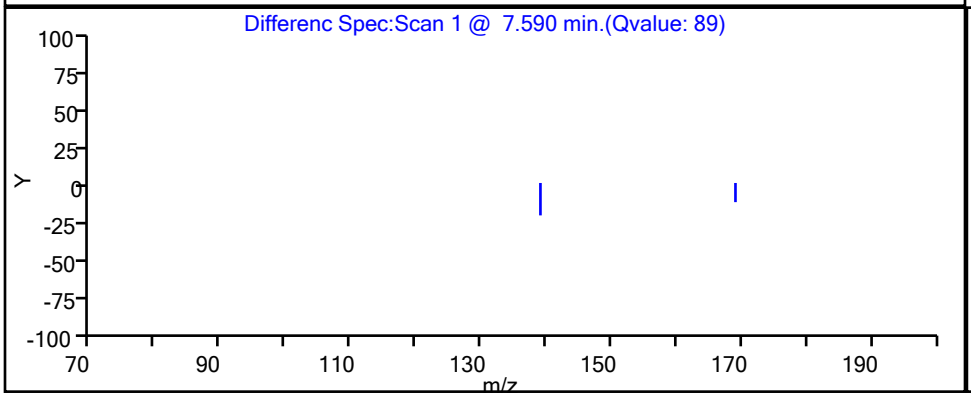


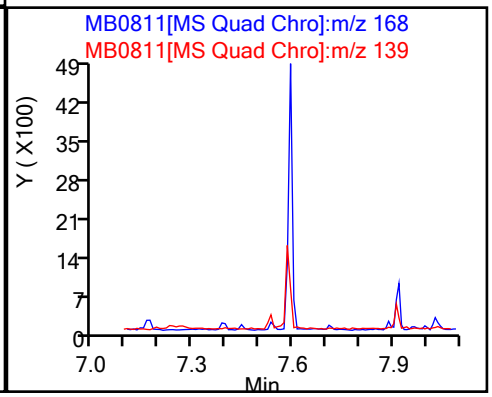










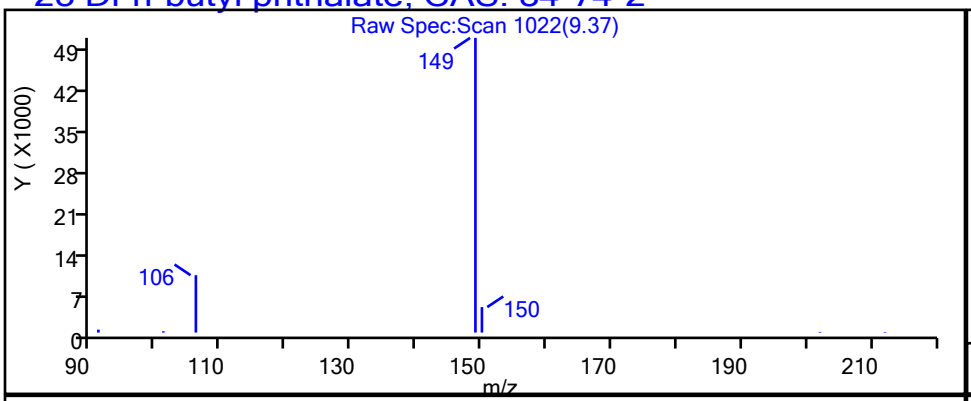


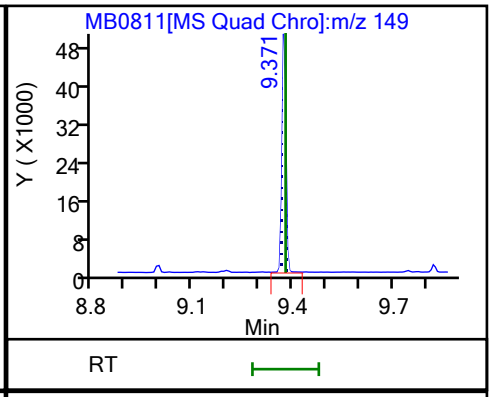
Report Date: 24-Feb-2023 20:29:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50

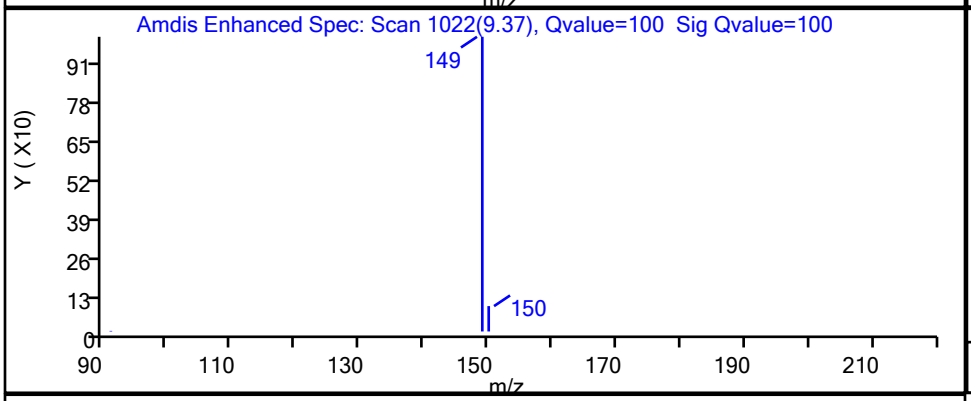
Eurofins Lancaster Laboratories Environment Testing, LLC

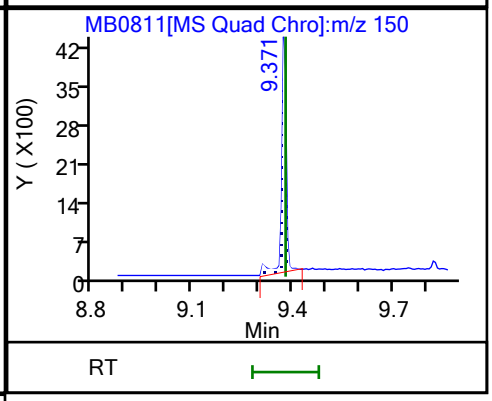
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0811.D				
Injection Date:	24-Feb-2023 07:47:16	Instrument ID:	HP21585		
Lims ID:	410-115936-D-3-A	Lab Sample ID:	410-115936-3		
Client ID:	FBW001_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	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		

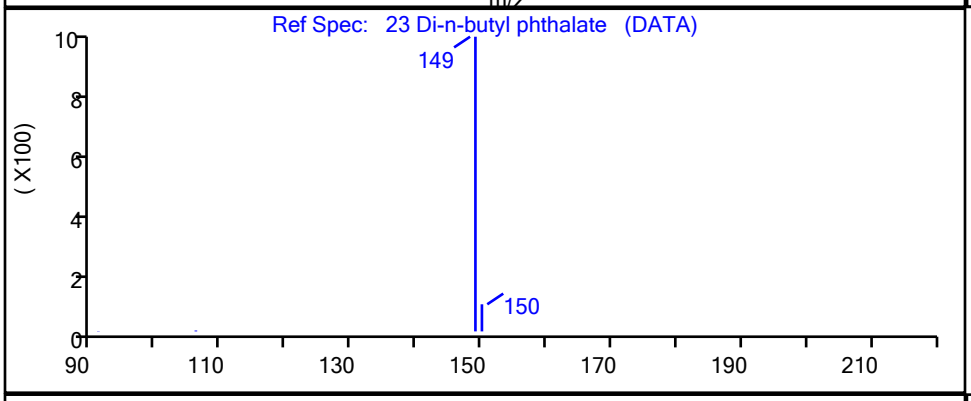
23 Di-n-butyl phthalate, CAS: 84-74-2

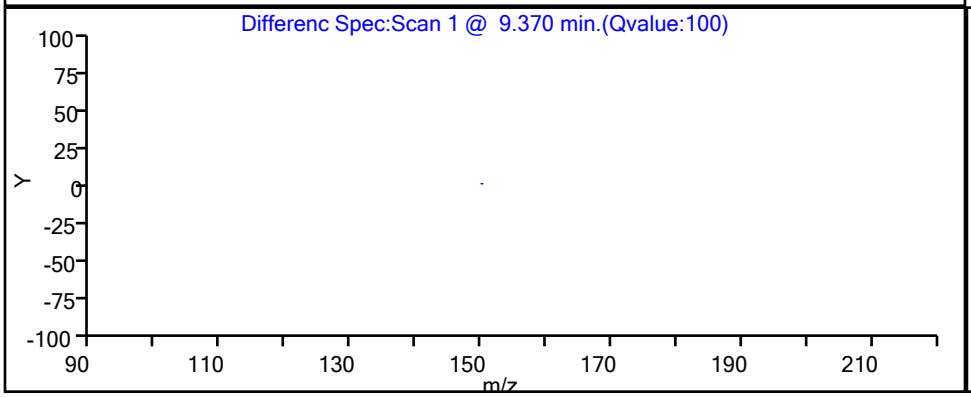


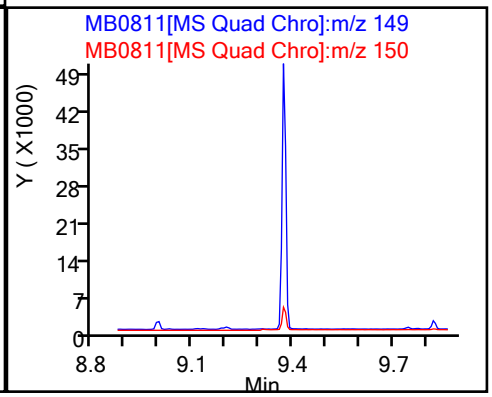










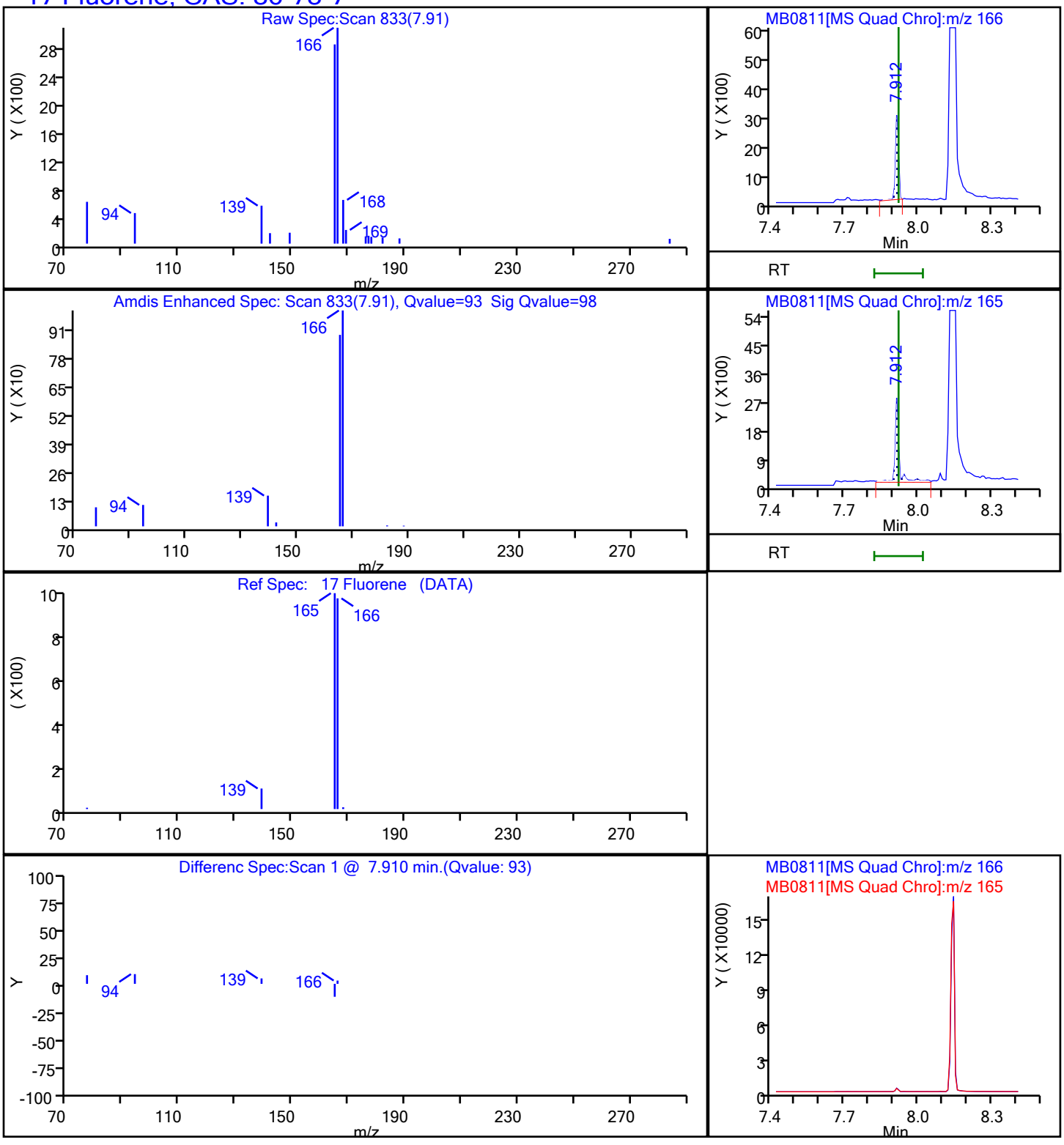


Report Date: 24-Feb-2023 20:29:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0811.D				
Injection Date:	24-Feb-2023 07:47:16	Instrument ID:	HP21585		
Lims ID:	410-115936-D-3-A	Lab Sample ID:	410-115936-3		
Client ID:	FBW001_022023				
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		

17 Fluorene, CAS: 86-73-7



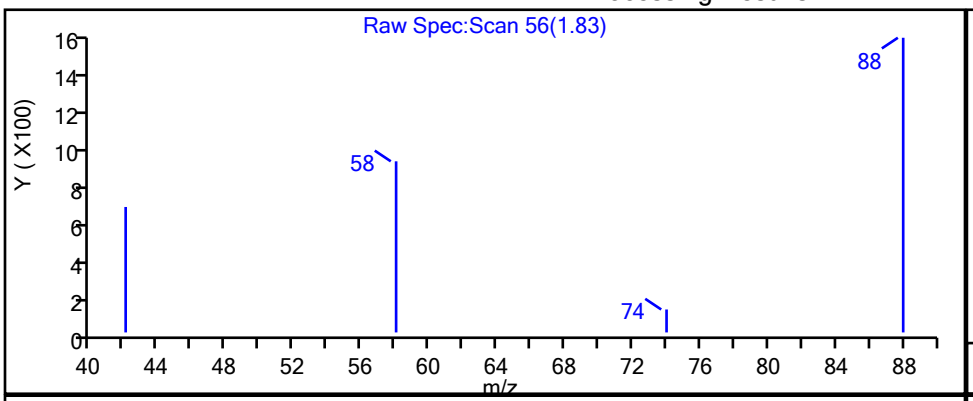
User Disabled Compound Report

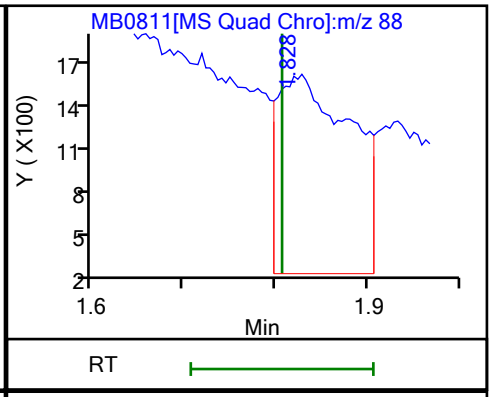
Eurofins Lancaster Laboratories Environment Testing, LLC

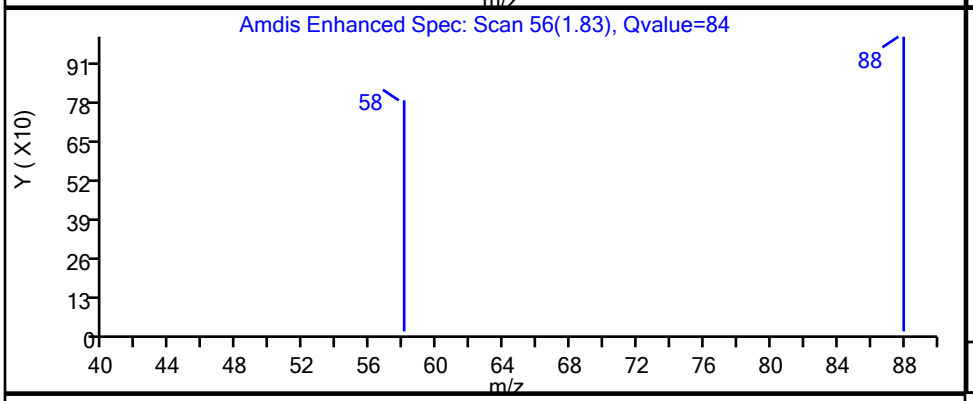
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0811.D				
Injection Date:	24-Feb-2023 07:47:16	Instrument ID:	HP21585		
Lims ID:	410-115936-D-3-A	Lab Sample ID:	410-115936-3		
Client ID:	FBW001_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	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		

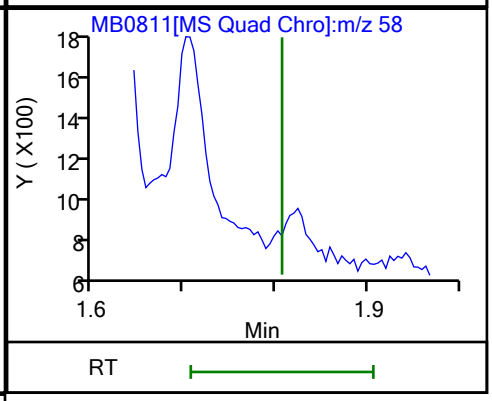
1 1,4-Dioxane, CAS: 123-91-1

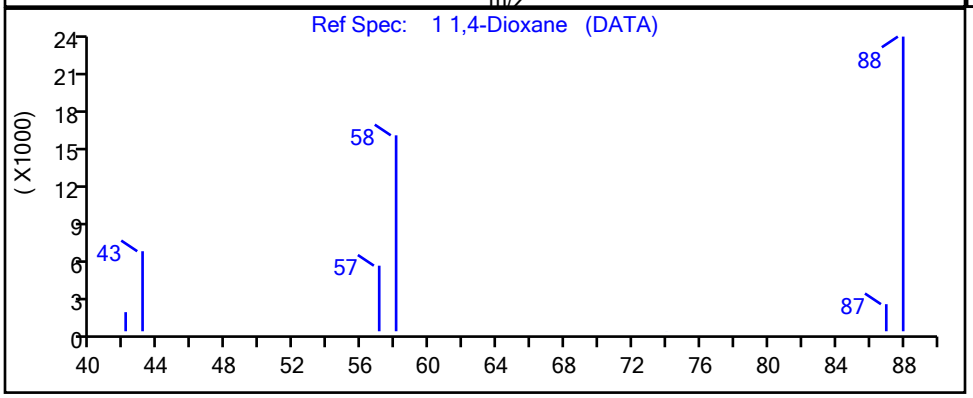
Processing Results











RT	Mass	Response	Amount
1.83	88.00	7204	0.054545
1.81	58.00	0	

Reviewer: SJ89, 24-Feb-2023 18:15:55

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.: 410-115936-1

SDG No.:

Client Sample ID: FBW001_022023 RE
Lab Sample ID: 410-115936-3 RE

Matrix: Water
Lab File ID: NB0762.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 10:57

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 238.6(mL)
Date Analyzed: 02/28/2023 07:55

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.: 348434
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	1.0	H B * + *1	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	0.82	J H B *+ *1	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	0.073	0.031
62-75-9	N-Nitrosodimethylamine	ND	H	0.052	0.021
85-01-8	Phenanthrene	ND	H	0.073	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.: 410-115936-1

SDG No.:

Client Sample ID: FBW001_022023 RE
Lab Sample ID: 410-115936-3 RE

Matrix: Water
Lab File ID: NB0762.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 10:57

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 238.6(mL)
Date Analyzed: 02/28/2023 07:55

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.: 348434
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	90		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	92		10-110
93951-69-0	Fluoranthene-d10 (Surr)	94		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0762.D				
Lims ID:	410-115936-E-3-A RE				
Client ID:	FBW001_022023				
Sample Type:	Client				
Inject. Date:	28-Feb-2023 07:55:30	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-E-3-A				
Misc. Info.:	410-0077901-013				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	28-Feb-2023 15:57:44	Calib Date:	22-Feb-2023 01:02:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1680				
First Level Reviewer: UJM0		Date:	28-Feb-2023 08:14:10		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.582	4.582	0.000	98	40181	0.2500	
* 5 Naphthalene-d8	136	5.769	5.781	-0.012	100	139020	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.509	6.493	0.002	98	54133	0.2238	
* 13 Acenaphthene-d10	164	7.431	7.438	-0.007	91	57593	0.2500	
* 20 Phenanthrene-d10	188	8.837	8.845	-0.008	99	78059	0.2500	
23 Di-n-butyl phthalate	149	9.401	9.401	-0.008	100	59251	0.1951	
$ 24 Fluoranthene-d10 (Surr)	212	9.972	9.971	-0.007	100	59283	0.2350	
* 29 Chrysene-d12	240	11.510	11.519	-0.009	81	44496	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.579	11.571	-0.001	100	27626	0.2408	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.366	13.366	-0.009	100	30209	0.2299	
* 38 Perylene-d12	264	13.489	13.490	-0.001	97	39166	0.2500	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_IS_00032 Amount Added: 10.00 Units: uL Run Reagent

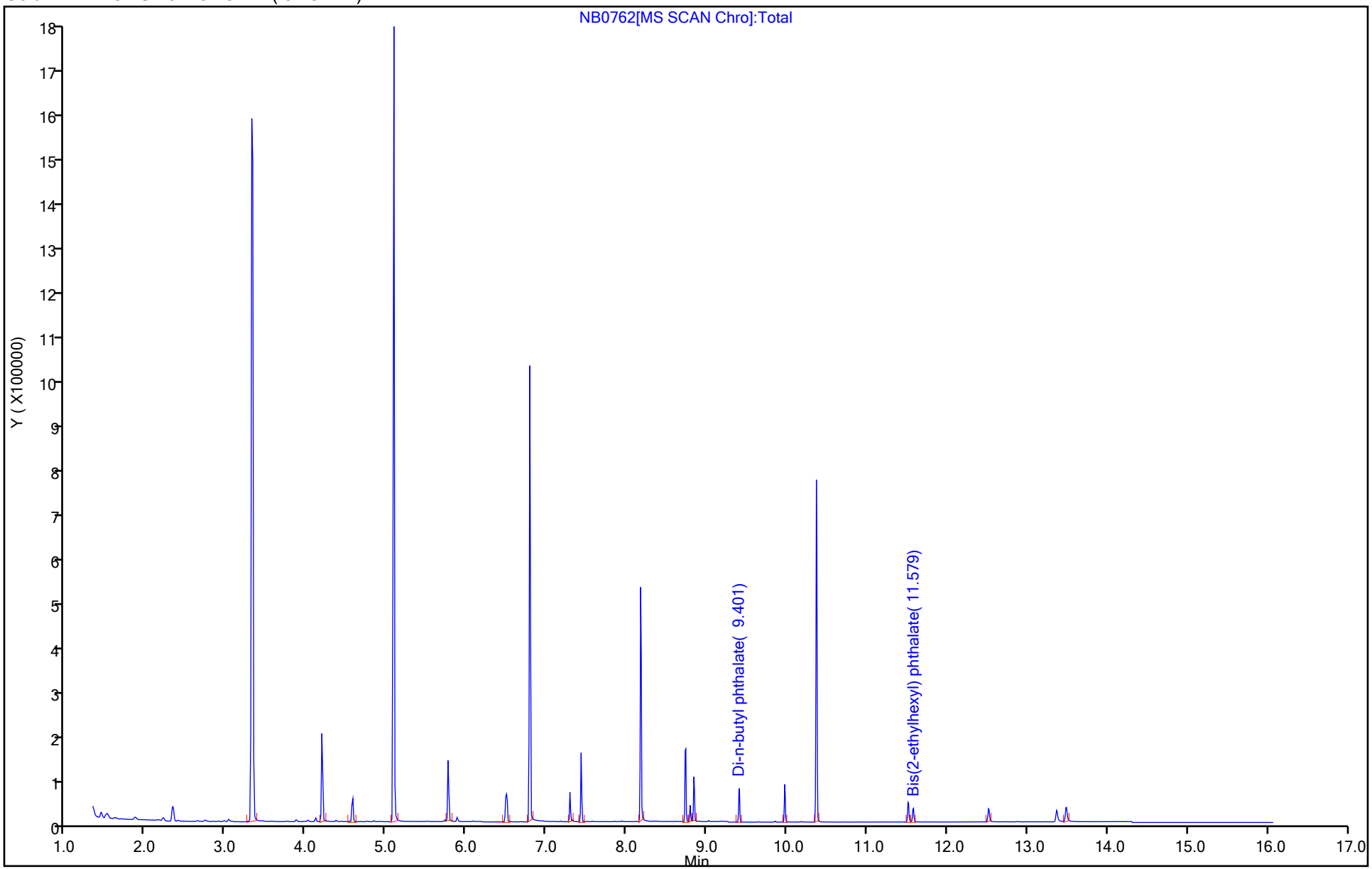
Report Date: 28-Feb-2023 15:58:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0762.D

Injection Date:	28-Feb-2023 07:55:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-115936-E-3-A RE	Lab Sample ID:	410-115936-3	Worklist Smp#:	13
Client ID:	FBW001_022023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
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\20230228-77901.b\NB0762.D				
Lims ID:	410-115936-E-3-A RE				
Client ID:	FBW001_022023				
Sample Type:	Client				
Inject. Date:	28-Feb-2023 07:55:30	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-E-3-A				
Misc. Info.:	410-0077901-013				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	28-Feb-2023 15:57:44	Calib Date:	22-Feb-2023 01:02:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1680				

First Level Reviewer: UJM0 Date: 28-Feb-2023 08:14:10

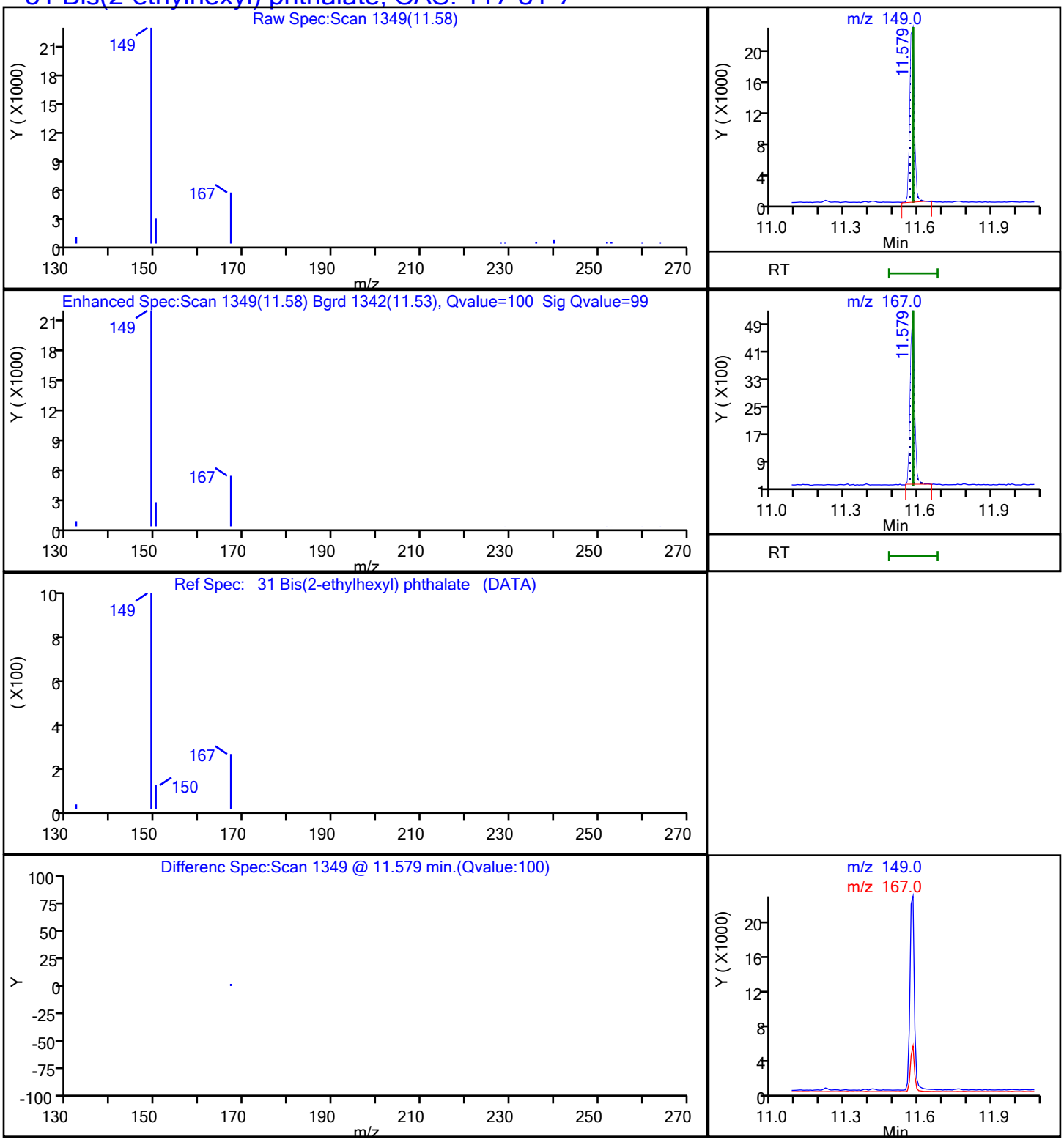
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2238	89.50
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2350	94.00
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2299	91.96

Report Date: 28-Feb-2023 15:58:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0762.D				
Injection Date:	28-Feb-2023 07:55:30	Instrument ID:	HP23263		
Lims ID:	410-115936-E-3-A RE	Lab Sample ID:	410-115936-3		
Client ID:	FBW001_022023				
Operator ID:	jmg00346	ALS Bottle#:	13	Worklist Smp#:	13
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

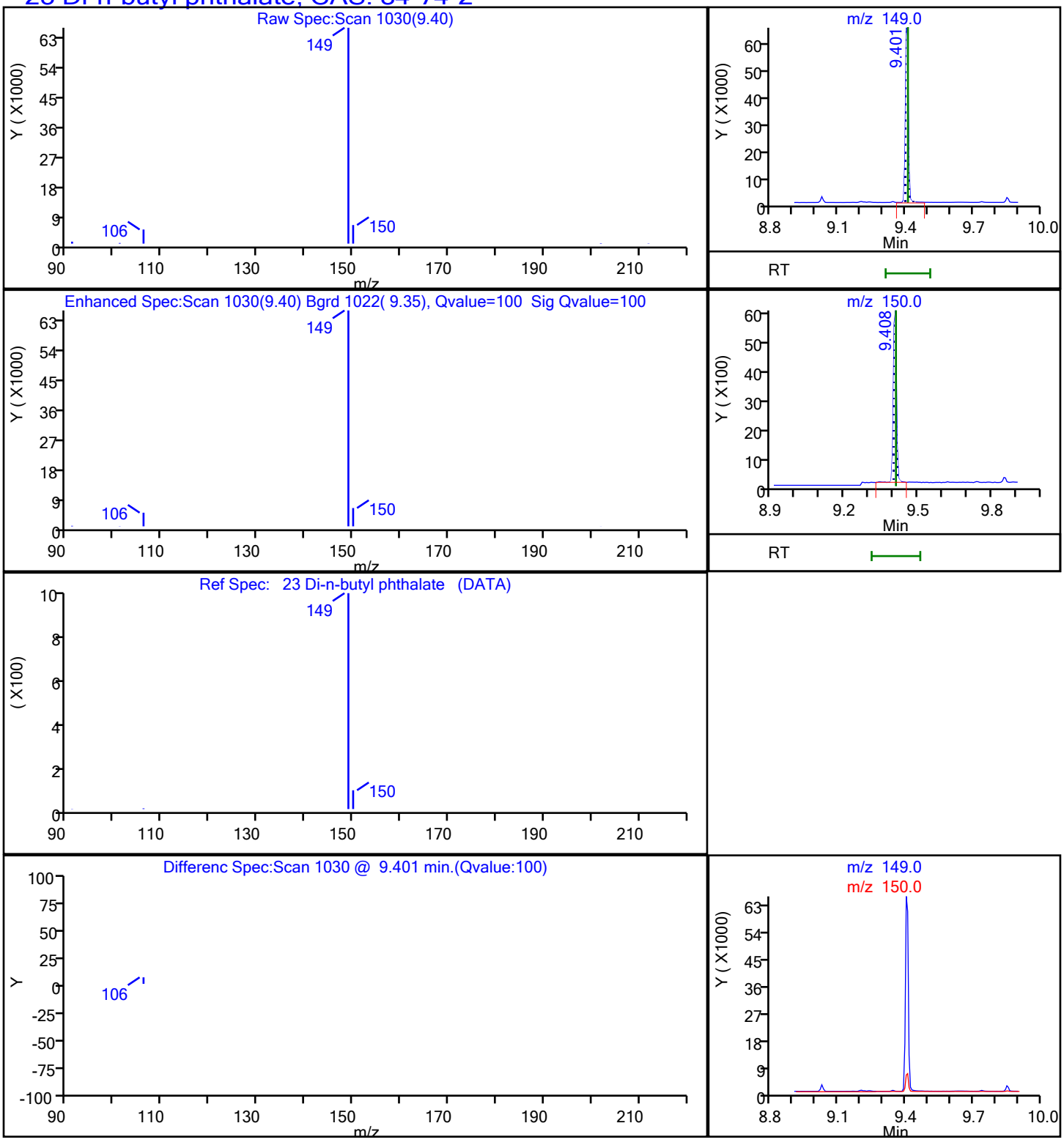


Report Date: 28-Feb-2023 15:58:04 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0762.D				
Injection Date:	28-Feb-2023 07:55:30	Instrument ID:	HP23263		
Lims ID:	410-115936-E-3-A RE	Lab Sample ID:	410-115936-3		
Client ID:	FBW001_022023				
Operator ID:	jmg00346	ALS Bottle#:	13	Worklist Smp#:	13
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



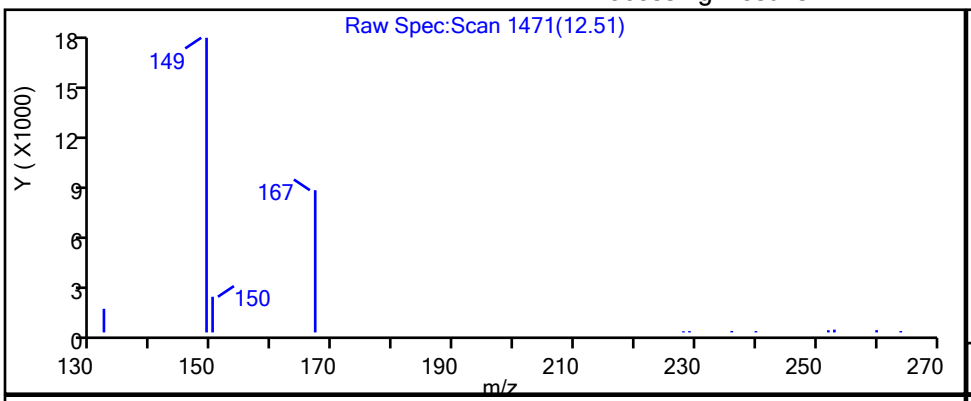
User Disabled Compound Report

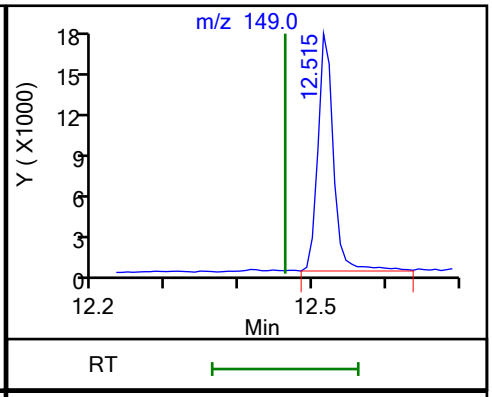
Eurofins Lancaster Laboratories Environment Testing, LLC

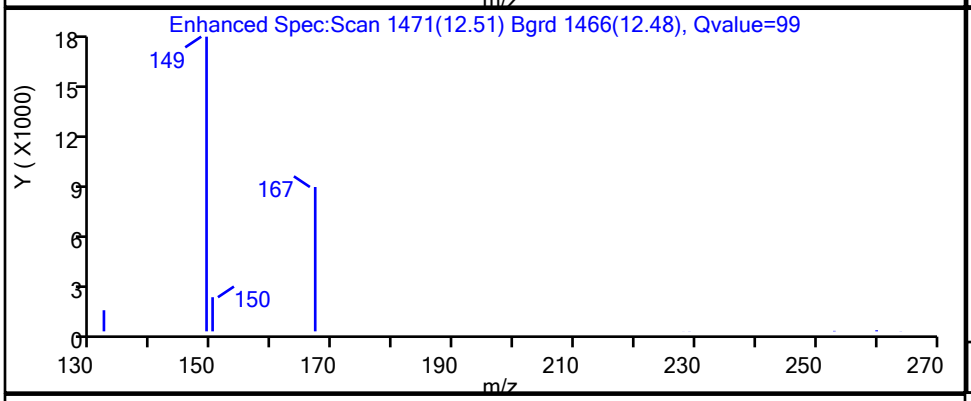
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0762.D				
Injection Date:	28-Feb-2023 07:55:30	Instrument ID:	HP23263		
Lims ID:	410-115936-E-3-A RE	Lab Sample ID:	410-115936-3		
Client ID:	FBW001_022023				
Operator ID:	jmg00346	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 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		

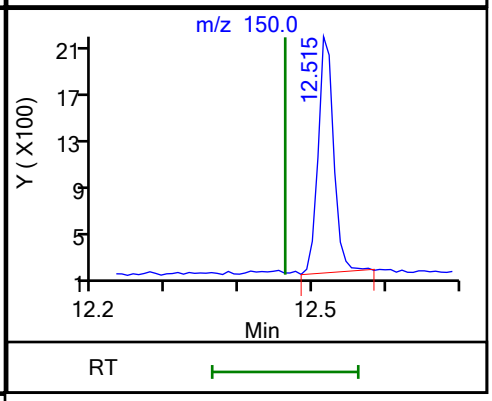
32 Di-n-octyl phthalate, CAS: 117-84-0

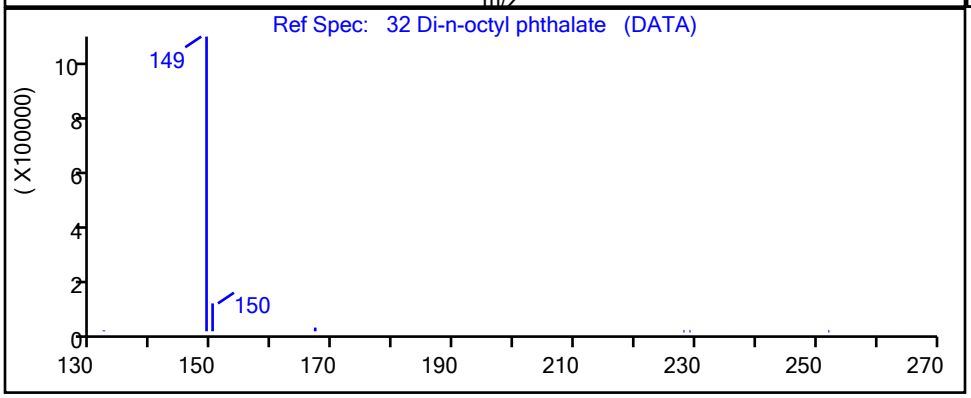
Processing Results











RT	Mass	Response	Amount
12.51	149.00	25368	0.147391
12.51	150.00	2961	

Reviewer: UJM0, 28-Feb-2023 08:14:00

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.: 410-115936-1

SDG No.:

Client Sample ID: FB-01_022023
Lab Sample ID: 410-115936-4

Matrix: Water
Lab File ID: MB0812.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 10:57

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 247(mL)
Date Analyzed: 02/24/2023 08:08

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.: 347593
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
117-81-7	Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051
85-68-7	Butylbenzylphthalate	ND		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	ND		1.0	0.051
131-11-3	Dimethylphthalate	ND		1.0	0.051
84-74-2	Di-n-butyl phthalate	0.32	J B * + cn	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	cn	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.: 410-115936-1

SDG No.:

Client Sample ID: FB-01_022023
Lab Sample ID: 410-115936-4

Matrix: Water
Lab File ID: MB0812.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 10:57

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 247(mL)
Date Analyzed: 02/24/2023 08:08

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.: 347593
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)	78		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\HP21585\20230224-77710.b\MB0812.D				
Lims ID:	410-115936-D-4-A				
Client ID:	FB-01_022023				
Sample Type:	Client				
Inject. Date:	24-Feb-2023 08:08:32	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-D-4-A				
Misc. Info.:	410-0077710-013				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-Feb-2023 20:28:40	Calib Date:	26-Jan-2023 09:46:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				
First Level Reviewer: SJ89		Date:	24-Feb-2023 15:01:25		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.543	4.544	-0.001	84	86414	0.2500	
* 5 Naphthalene-d8	136	5.731	5.743	-0.012	91	263306	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.470	6.470	0.000	96	82543	0.1512	
* 13 Acenaphthene-d10	164	7.396	7.396	0.000	91	141847	0.2500	
* 20 Phenanthrene-d10	188	8.801	8.809	-0.008	94	258089	0.2500	
23 Di-n-butyl phthalate	149	9.371	9.372	-0.007	100	68512	0.0793	
$ 24 Fluoranthene-d10 (Surr)	212	9.936	9.936	-0.006	98	185986	0.1877	
* 29 Chrysene-d12	240	11.451	11.451	0.000	67	195650	0.2500	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.253	13.253	-0.008	100	156097	0.1953	
* 38 Perylene-d12	264	13.368	13.376	-0.008	100	242991	0.2500	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_IS_00033 Amount Added: 10.00 Units: uL Run Reagent

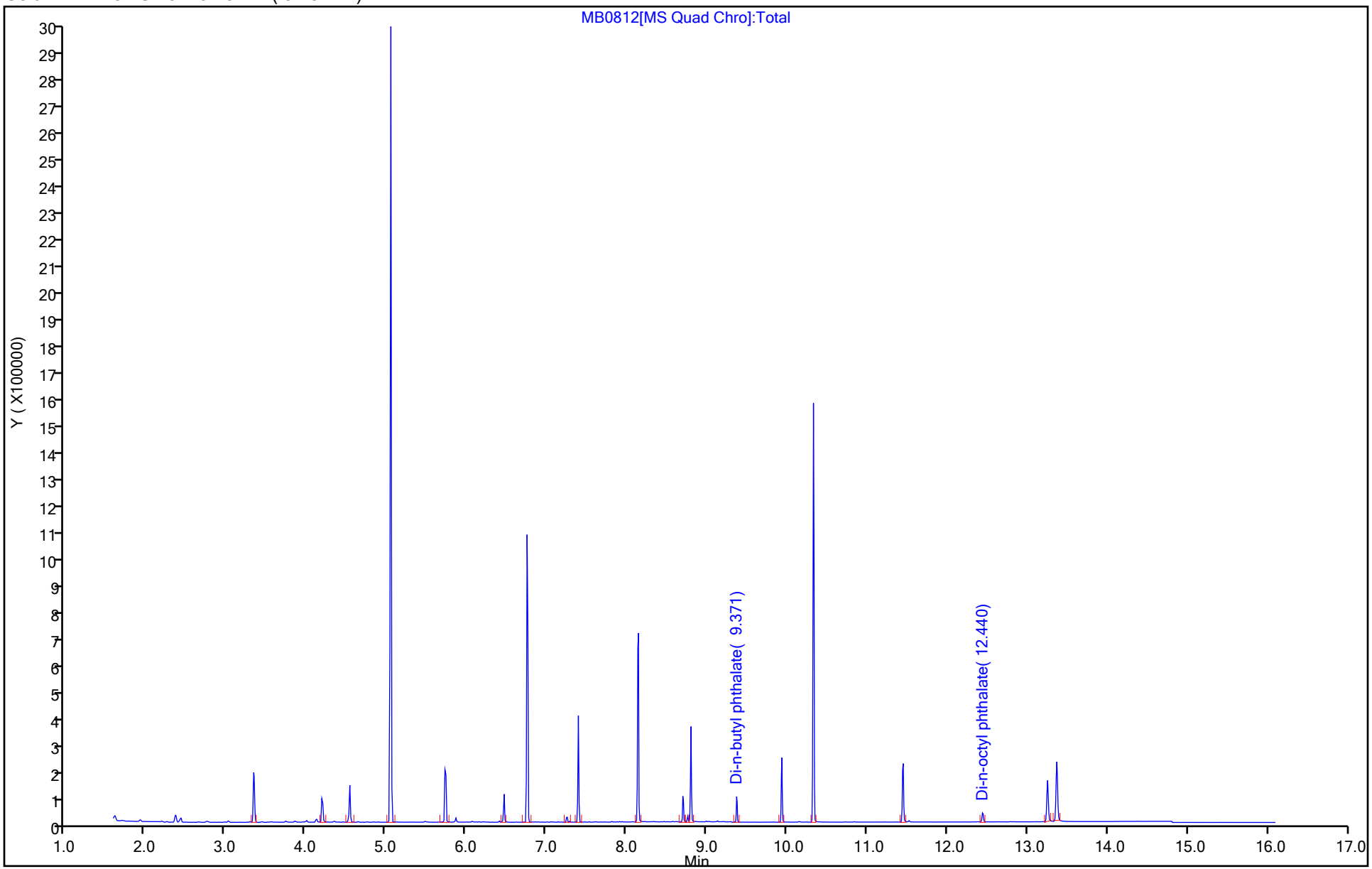
Report Date: 24-Feb-2023 20:29:05 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0812.D

Injection Date:	24-Feb-2023 08:08:32	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-115936-D-4-A	Lab Sample ID:	410-115936-4	Worklist Smp#:	13
Client ID:	FB-01_022023				
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\20230224-77710.b\MB0812.D				
Lims ID:	410-115936-D-4-A				
Client ID:	FB-01_022023				
Sample Type:	Client				
Inject. Date:	24-Feb-2023 08:08:32	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-D-4-A				
Misc. Info.:	410-0077710-013				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-Feb-2023 20:28:40	Calib Date:	26-Jan-2023 09:46:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: SJ89 Date: 24-Feb-2023 15:01:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1512	60.50
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1877	75.07
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1953	78.12

Report Date: 24-Feb-2023 20:29:05 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0812.D

Injection Date: 24-Feb-2023 08:08:32 Instrument ID: HP21585

Lims ID: 410-115936-D-4-A Lab Sample ID: 410-115936-4

Client ID: FB-01_022023

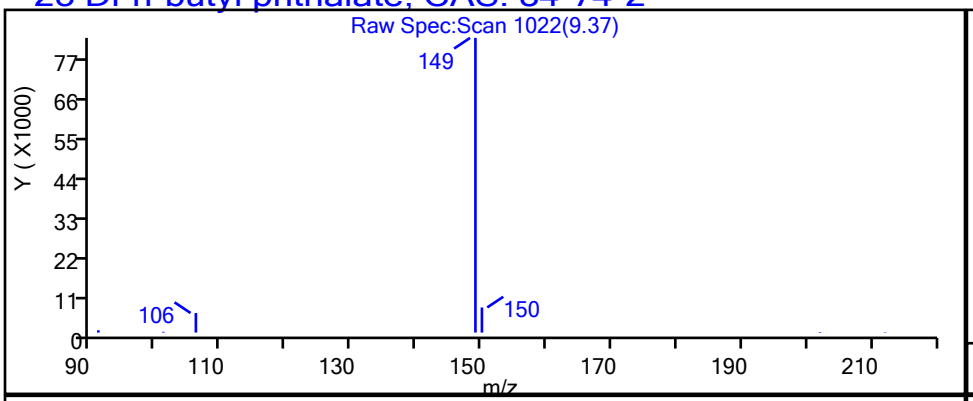
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 13

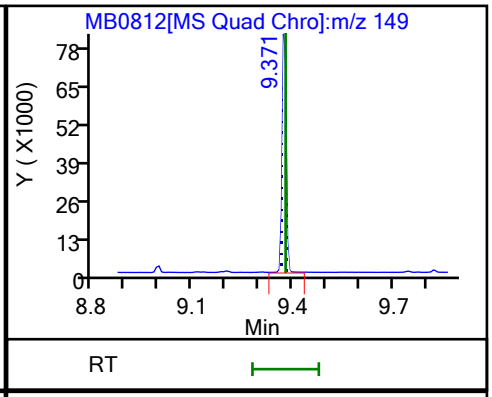
Injection Vol: 1.0 ul Dil. Factor: 1.0000

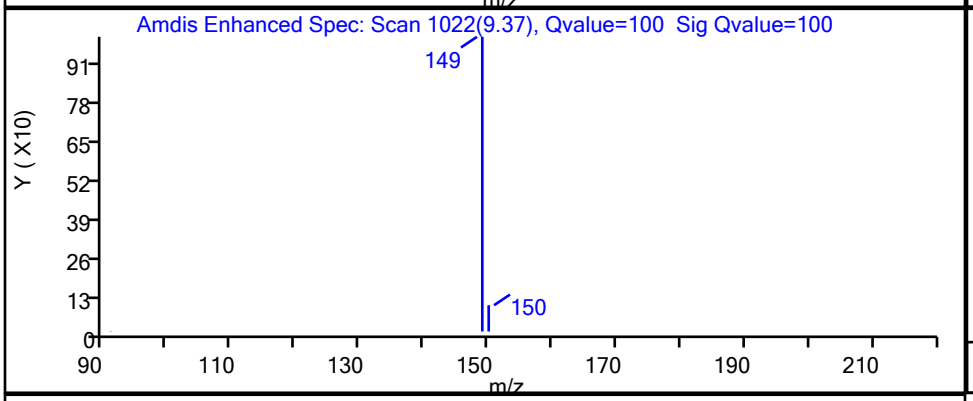
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

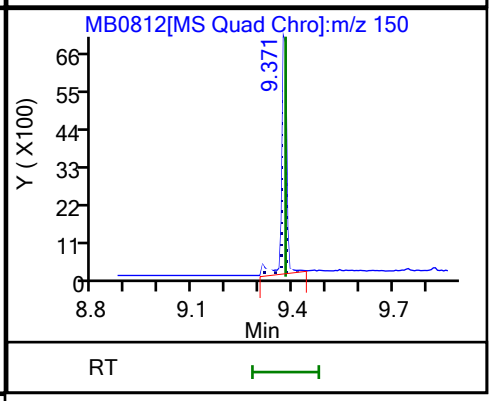
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

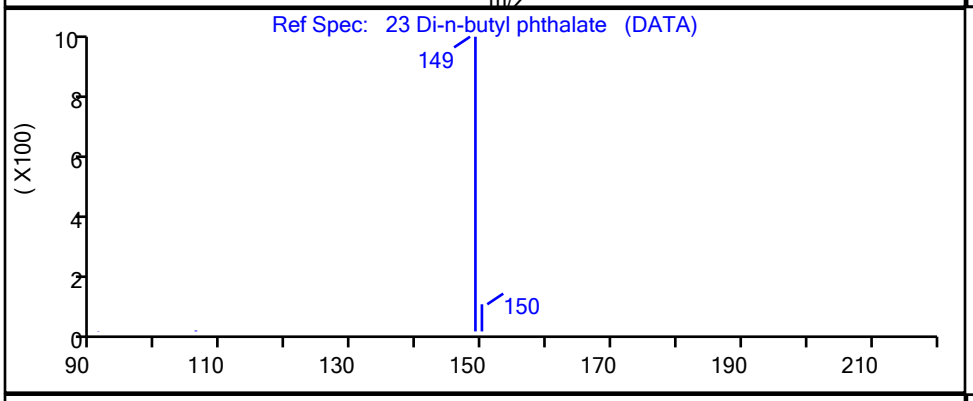
23 Di-n-butyl phthalate, CAS: 84-74-2

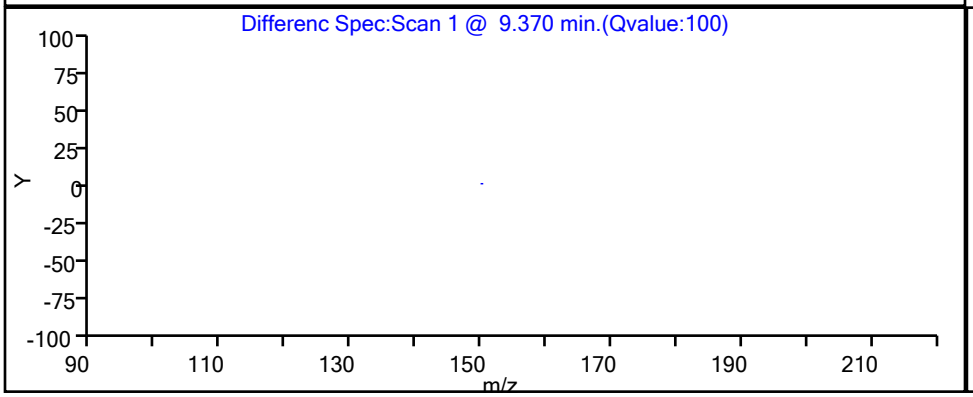


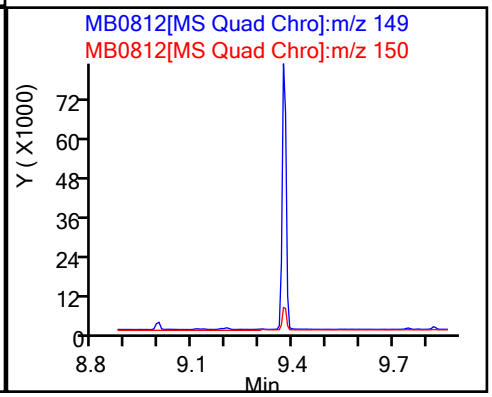












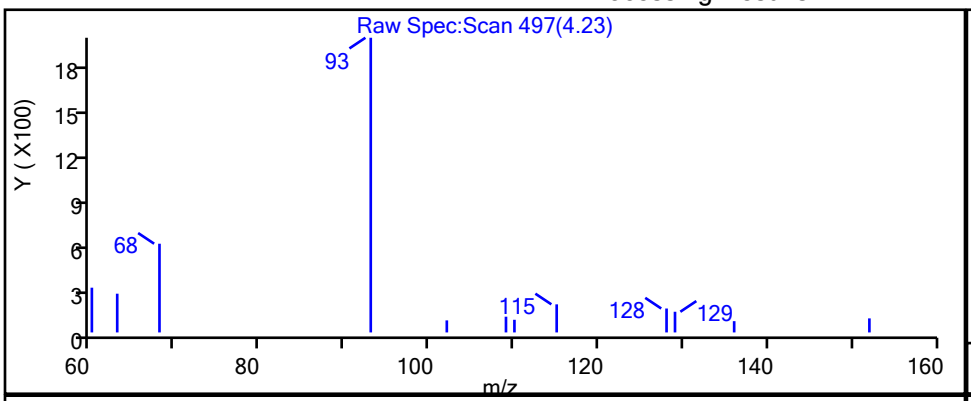
User Disabled Compound Report

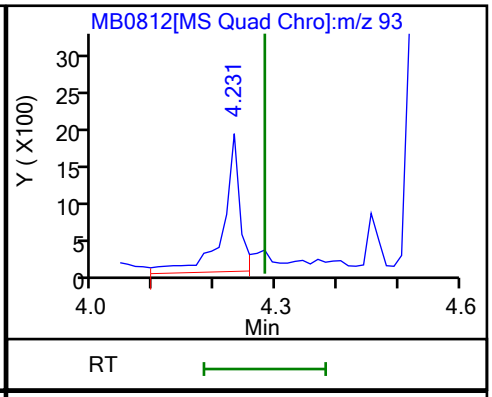
Eurofins Lancaster Laboratories Environment Testing, LLC

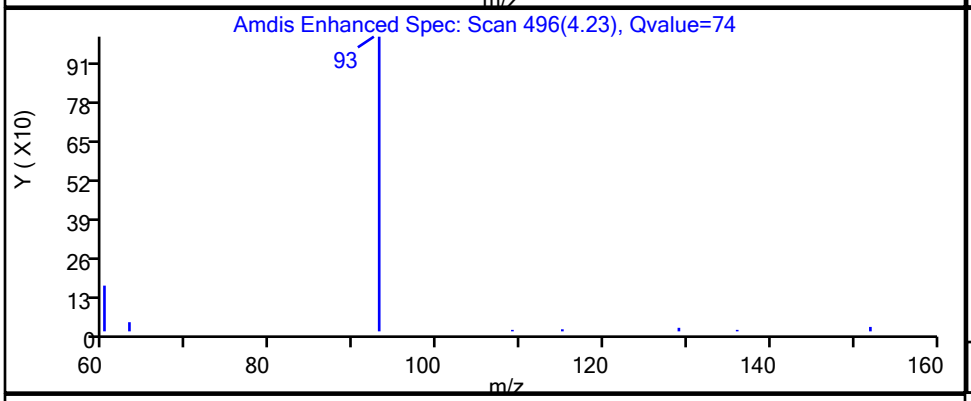
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0812.D				
Injection Date:	24-Feb-2023 08:08:32	Instrument ID:	HP21585		
Lims ID:	410-115936-D-4-A	Lab Sample ID:	410-115936-4		
Client ID:	FB-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	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		

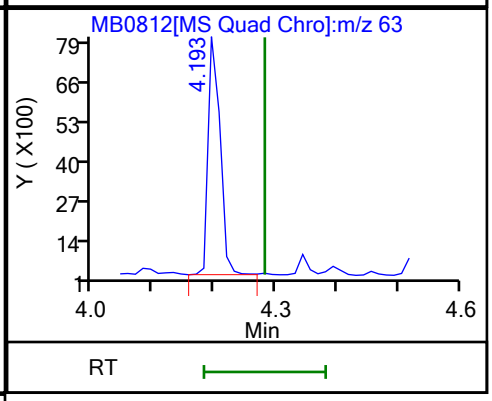
3 Bis(2-chloroethyl)ether, CAS: 111-44-4

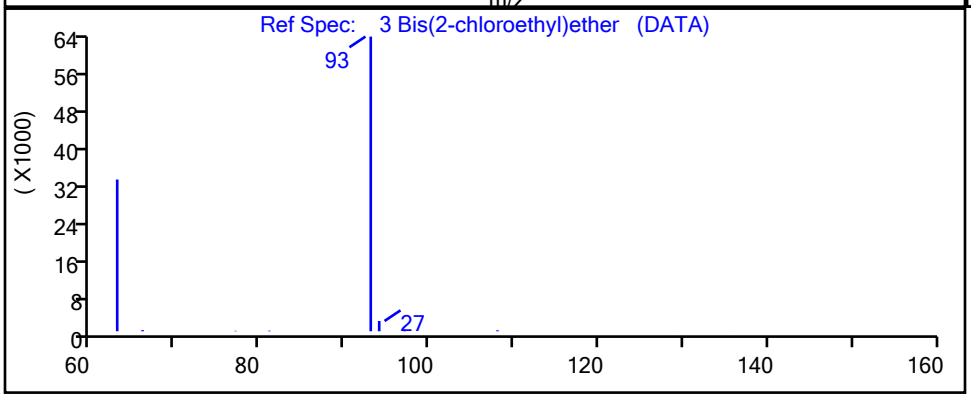
Processing Results











RT	Mass	Response	Amount
4.23	93.00	3376	0.011859
4.19	63.00	10677	

Reviewer: SJ89, 24-Feb-2023 18:16:22

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.: 410-115936-1

SDG No.:

Client Sample ID: FB-01_022023 RE
Lab Sample ID: 410-115936-4 RE

Matrix: Water
Lab File ID: NB0763.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 10:57

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 247.7(mL)
Date Analyzed: 02/28/2023 08:17

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.: 348434
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND	H	0.30	0.10
90-12-0	1-Methylnaphthalene	ND	H	0.050	0.020
91-57-6	2-Methylnaphthalene	ND	H	0.050	0.020
83-32-9	Acenaphthene	ND	H	0.050	0.010
208-96-8	Acenaphthylene	ND	H	0.050	0.010
120-12-7	Anthracene	ND	H	0.050	0.010
56-55-3	Benzo[a]anthracene	ND	H	0.050	0.010
50-32-8	Benzo[a]pyrene	ND	H	0.050	0.010
205-99-2	Benzo[b]fluoranthene	ND	H	0.050	0.010
191-24-2	Benzo[g,h,i]perylene	ND	H	0.050	0.010
207-08-9	Benzo[k]fluoranthene	ND	H	0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	ND	H	0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.96	J H B *+ *1	1.0	0.050
85-68-7	Butylbenzylphthalate	ND	H	1.0	0.050
218-01-9	Chrysene	ND	H	0.050	0.010
53-70-3	Dibenz(a,h)anthracene	ND	H	0.050	0.020
132-64-9	Dibenzofuran	ND	H	0.050	0.010
84-66-2	Diethylphthalate	ND	H	1.0	0.050
131-11-3	Dimethylphthalate	ND	H	1.0	0.050
84-74-2	Di-n-butyl phthalate	0.90	J H B *+ *1	1.0	0.050
117-84-0	Di-n-octyl phthalate	ND	H	1.0	0.050
206-44-0	Fluoranthene	ND	H	0.050	0.010
86-73-7	Fluorene	ND	H	0.050	0.010
118-74-1	Hexachlorobenzene	ND	H	0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	0.050	0.020
91-20-3	Naphthalene	ND	H	0.071	0.030
62-75-9	N-Nitrosodimethylamine	ND	H	0.050	0.020
85-01-8	Phenanthrene	ND	H	0.071	0.030
129-00-0	Pyrene	ND	H	0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FB-01_022023 RE
Lab Sample ID: 410-115936-4 RE

Matrix: Water
Lab File ID: NB0763.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 10:57

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 247.7(mL)
Date Analyzed: 02/28/2023 08:17

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.: 348434
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	89		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	99		10-110
93951-69-0	Fluoranthene-d10 (Surr)	90		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0763.D				
Lims ID:	410-115936-E-4-A RE				
Client ID:	FB-01_022023				
Sample Type:	Client				
Inject. Date:	28-Feb-2023 08:17:30	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-E-4-A				
Misc. Info.:	410-0077901-014				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	28-Feb-2023 15:57:44	Calib Date:	22-Feb-2023 01:02:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1680				
First Level Reviewer: UJM0		Date:	28-Feb-2023 08:40:16		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.581	4.582	-0.001	97	37405	0.2500	
* 5 Naphthalene-d8	136	5.769	5.781	-0.012	100	129777	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.506	6.493	-0.001	99	50209	0.2223	
* 13 Acenaphthene-d10	164	7.428	7.438	-0.010	84	53977	0.2500	
* 20 Phenanthrene-d10	188	8.837	8.845	-0.008	98	76037	0.2500	
23 Di-n-butyl phthalate	149	9.402	9.401	-0.007	100	65772	0.2224	
$ 24 Fluoranthene-d10 (Surr)	212	9.973	9.971	-0.006	99	55430	0.2256	
* 29 Chrysene-d12	240	11.511	11.519	-0.008	82	41735	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.572	11.571	-0.008	98	25551	0.2375	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.367	13.366	-0.008	98	29514	0.2478	
* 38 Perylene-d12	264	13.482	13.490	-0.008	99	35503	0.2500	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_IS_00032 Amount Added: 10.00 Units: uL Run Reagent

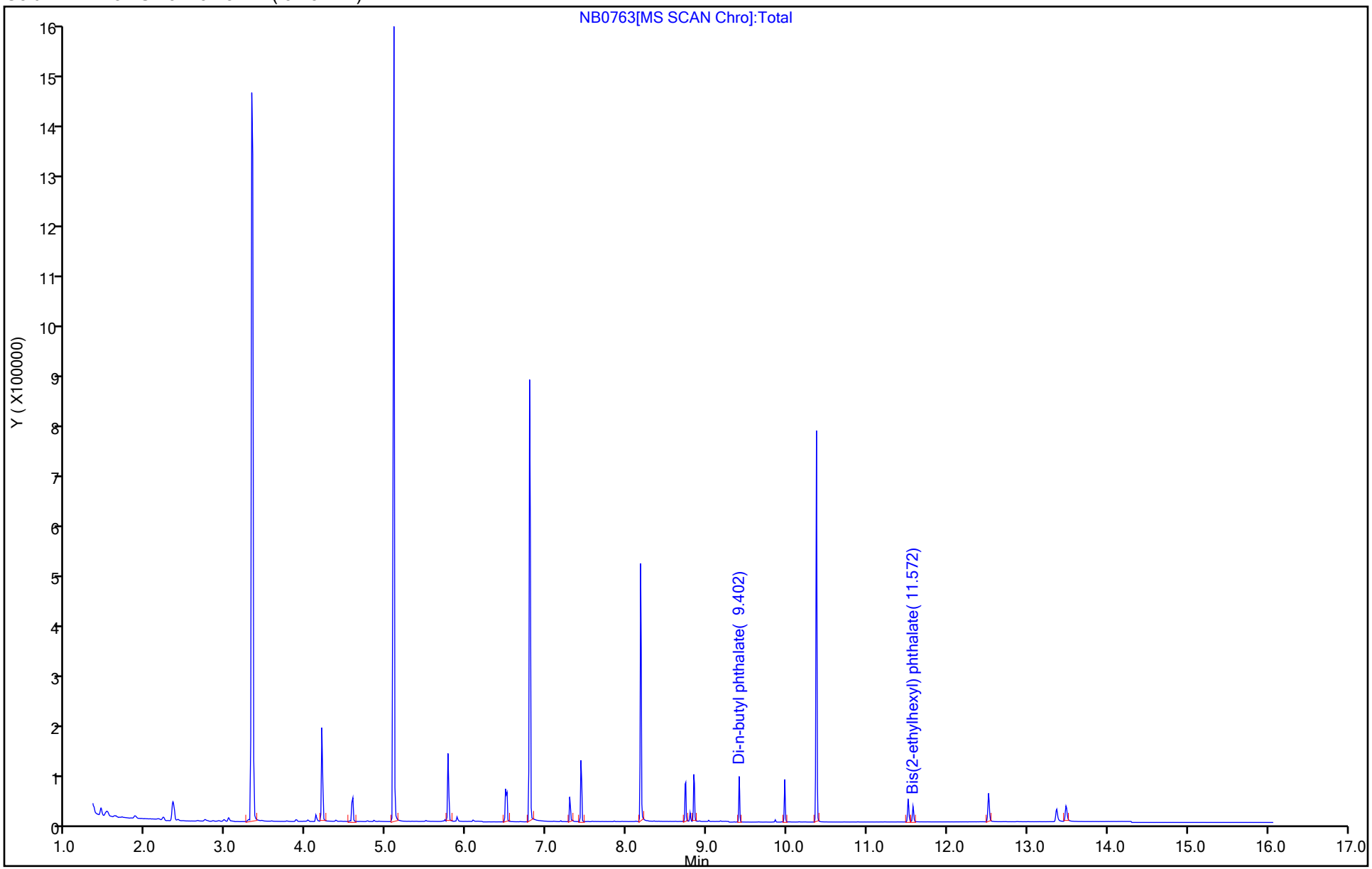
Report Date: 28-Feb-2023 15:58:05 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0763.D

Injection Date:	28-Feb-2023 08:17:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-115936-E-4-A RE	Lab Sample ID:	410-115936-4	Worklist Smp#:	14
Client ID:	FB-01_022023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
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\20230228-77901.b\NB0763.D				
Lims ID:	410-115936-E-4-A RE				
Client ID:	FB-01_022023				
Sample Type:	Client				
Inject. Date:	28-Feb-2023 08:17:30	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-E-4-A				
Misc. Info.:	410-0077901-014				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	28-Feb-2023 15:57:44	Calib Date:	22-Feb-2023 01:02:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1680				

First Level Reviewer: UJM0 Date: 28-Feb-2023 08:40:16

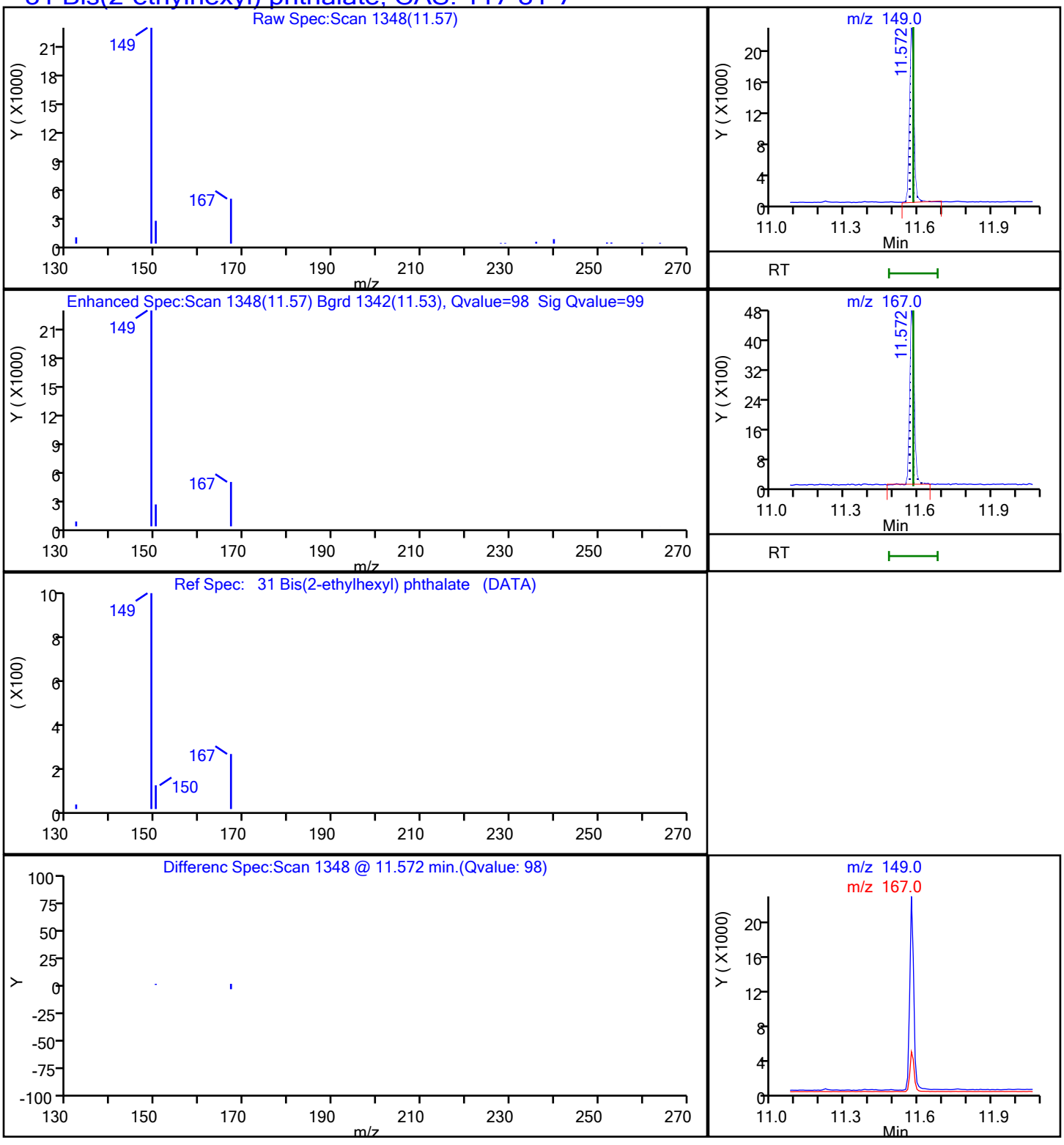
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2223	88.93
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2256	90.22
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2478	99.11

Report Date: 28-Feb-2023 15:58:05 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0763.D				
Injection Date:	28-Feb-2023 08:17:30	Instrument ID:	HP23263		
Lims ID:	410-115936-E-4-A RE	Lab Sample ID:	410-115936-4		
Client ID:	FB-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	14	Worklist Smp#:	14
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

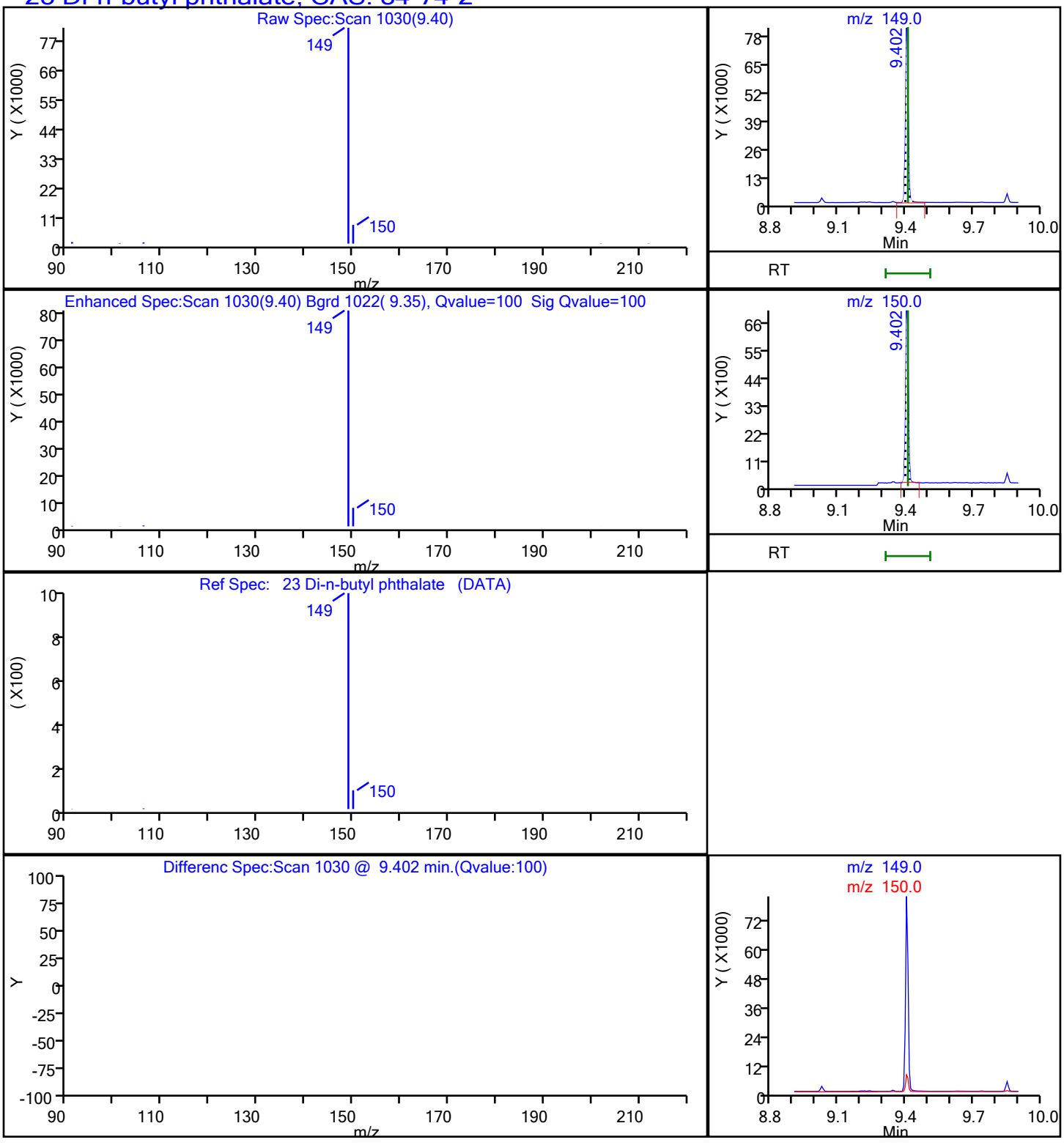


Report Date: 28-Feb-2023 15:58:05 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0763.D				
Injection Date:	28-Feb-2023 08:17:30	Instrument ID:	HP23263		
Lims ID:	410-115936-E-4-A RE	Lab Sample ID:	410-115936-4		
Client ID:	FB-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	14	Worklist Smp#:	14
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



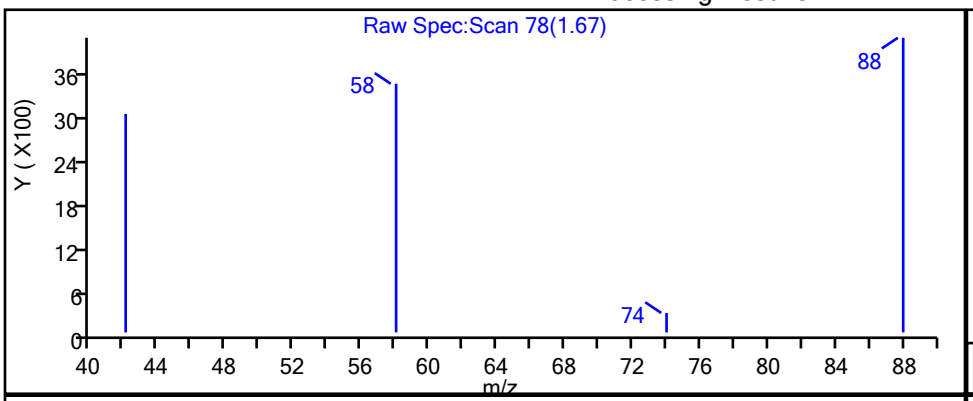
User Disabled Compound Report

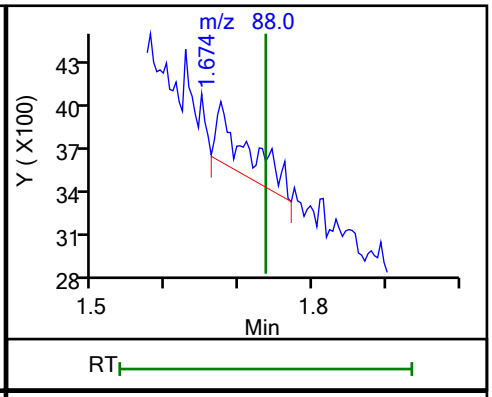
Eurofins Lancaster Laboratories Environment Testing, LLC

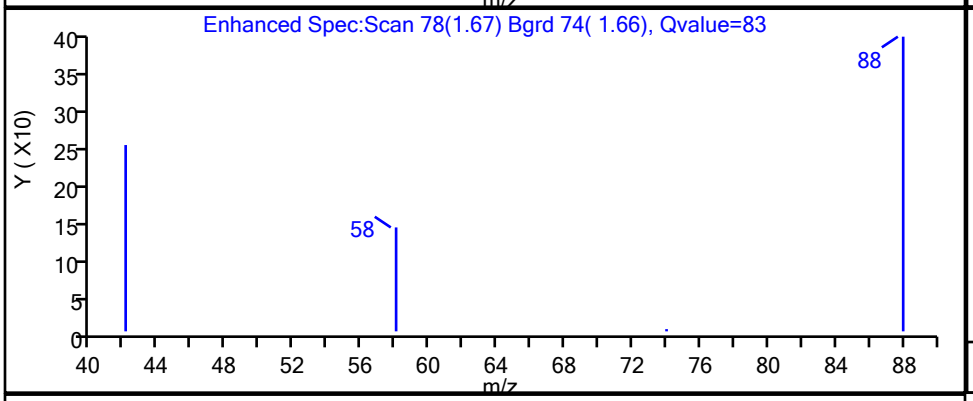
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0763.D				
Injection Date:	28-Feb-2023 08:17:30	Instrument ID:	HP23263		
Lims ID:	410-115936-E-4-A RE	Lab Sample ID:	410-115936-4		
Client ID:	FB-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 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		

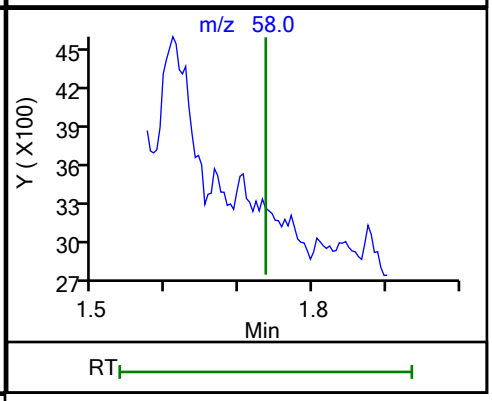
1 1,4-Dioxane, CAS: 123-91-1

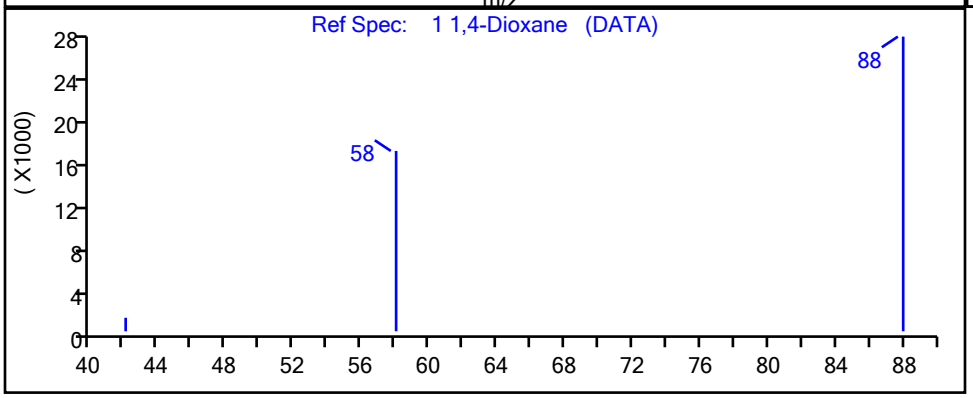
Processing Results











RT	Mass	Response	Amount
1.67	88.00	1179	0.014208
1.74	58.00	0	

Reviewer: UJM0, 28-Feb-2023 08:39:54

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

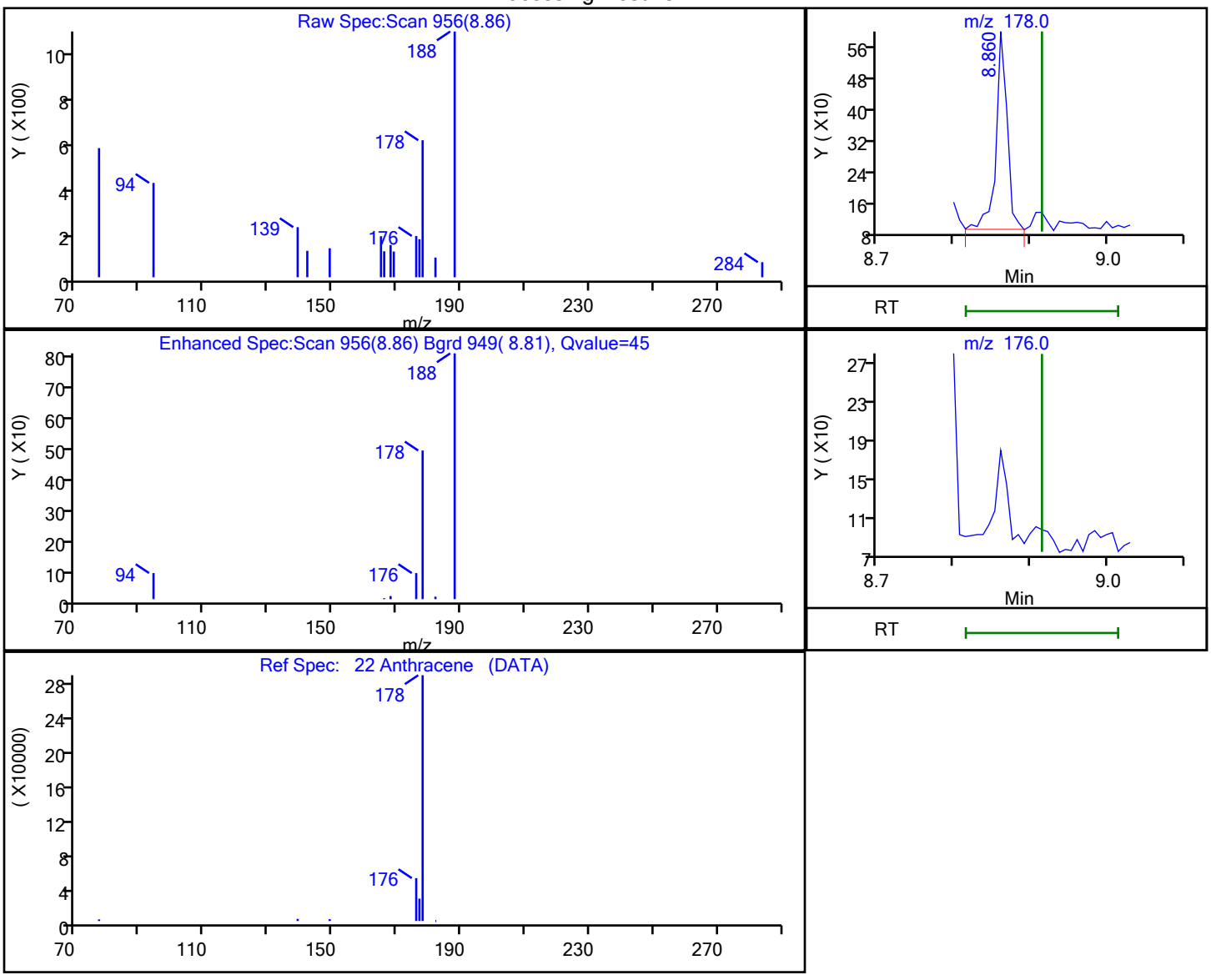
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0763.D		
Injection Date:	28-Feb-2023 08:17:30	Instrument ID:	HP23263
Lims ID:	410-115936-E-4-A RE	Lab Sample ID:	410-115936-4
Client ID:	FB-01_022023		
Operator ID:	jmg00346	ALS Bottle#:	14 Worklist Smp#: 14
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

22 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
8.86	178.00	507	0.001645
8.91	176.00	0	

Reviewer: UJM0, 28-Feb-2023 08:40:01

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

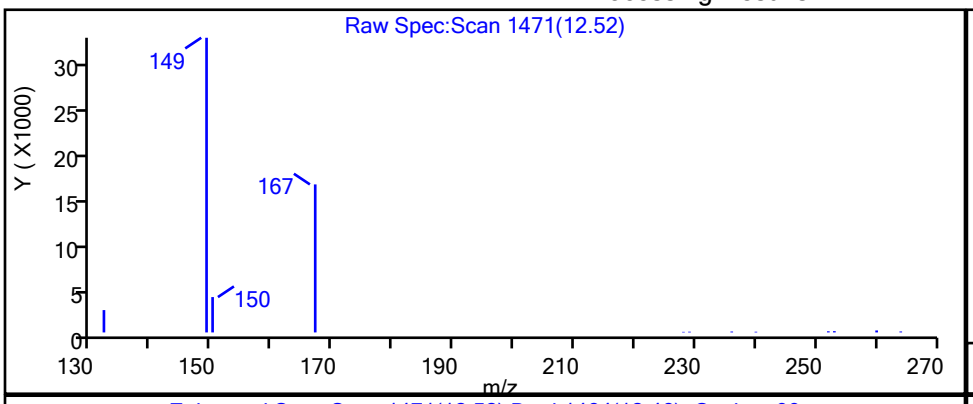
User Disabled Compound Report

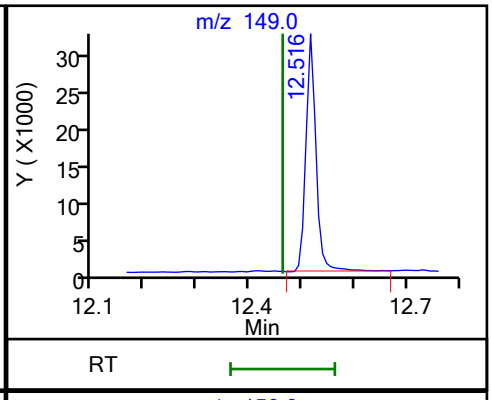
Eurofins Lancaster Laboratories Environment Testing, LLC

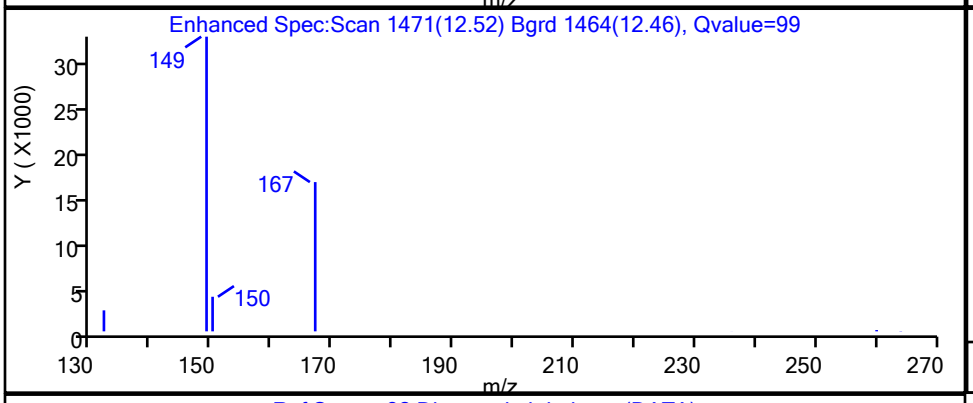
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0763.D				
Injection Date:	28-Feb-2023 08:17:30	Instrument ID:	HP23263		
Lims ID:	410-115936-E-4-A RE	Lab Sample ID:	410-115936-4		
Client ID:	FB-01_022023				
Operator ID:	jmg00346	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 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		

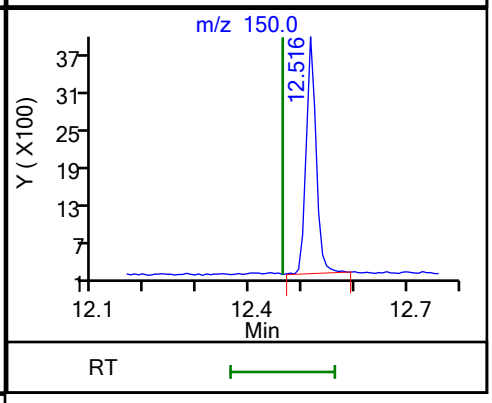
32 Di-n-octyl phthalate, CAS: 117-84-0

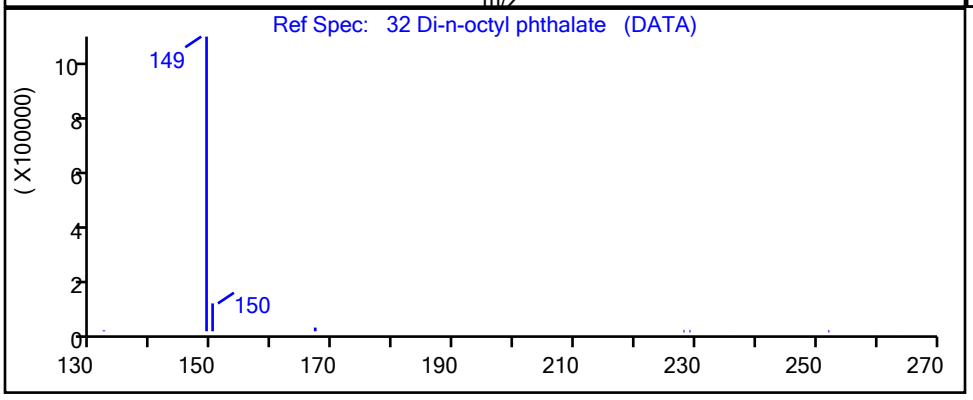
Processing Results











RT	Mass	Response	Amount
12.52	149.00	43706	0.280137
12.52	150.00	5016	

Reviewer: UJM0, 28-Feb-2023 08:40:09

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 338781

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/26/2023 07:56 Calibration End Date: 01/26/2023 09:46 Calibration ID: 46693

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338781/7	MA0406.D
Level 2	IC 410-338781/6	MA0405.D
Level 3	IC 410-338781/5	MA0404.D
Level 4	ICIS 410-338781/2	MA0401a.D
Level 5	IC 410-338781/4	MA0403.D
Level 6	IC 410-338781/3	MA0402.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.4389 0.4259	0.3838	0.4148	0.4856	0.4355	Ave		0.4307				7.8		20.4			
N-Nitrosodimethylamine	0.3901 0.4042	0.3667	0.3842	0.4317	0.3877	Ave		0.3941				5.6		20.4			
Bis(2-chloroethyl)ether	0.2887 0.2584	0.2592	0.2663	0.2936	0.2555	Ave		0.2703				6.2		20.4			
Naphthalene	2.3552 0.9622	1.1371	1.0511	1.1046	0.9284	Lin2	0.0139	0.9477							0.9930		0.9900
Quinoline	0.7778 0.5438	0.5204	0.5317	0.6200	0.5364	Ave		0.5883				16.9		20.4			
2-Methylnaphthalene	0.9886 0.6536	0.6781	0.6836	0.7483	0.6513	Ave		0.7339				17.7		20.4			
1-Methylnaphthalene	0.8085 0.6003	0.6064	0.6234	0.6892	0.5943	Ave		0.6537				12.8		20.4			
Dimethylphthalate	1.2264 1.0659	1.2557	1.3058	1.3273	1.1664	Ave		1.2246				7.9		20.4			
Acenaphthylene	1.8041 1.7623	1.5947	1.6825	1.8487	1.6886	Ave		1.7301				5.4		20.4			
Acenaphthene	1.4225 1.0145	1.0270	1.0747	1.1287	1.0012	Ave		1.1114				14.3		20.4			
Dibenzofuran	2.3040 1.6593	1.7541	1.7674	1.8683	1.6619	Ave		1.8358				13.2		20.4			
Diethylphthalate	1.0153 1.0034	1.0473	1.0902	1.1686	1.0402	Ave		1.0608				5.7		20.4			
Fluorene	1.7135 1.2766	1.2887	1.2988	1.3885	1.2342	Ave		1.3667				13.0		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 338781

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/26/2023 07:56 Calibration End Date: 01/26/2023 09:46 Calibration ID: 46693

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodiphenylamine	0.4564 0.3804	0.3941	0.4383	0.4490	0.4020	Ave		0.4200				7.6		20.4			
Hexachlorobenzene	0.3171 0.2664	0.2740	0.2883	0.2912	0.2640	Ave		0.2835				7.0		20.4			
Phenanthrene	1.8309 1.0019	1.1069	1.1067	1.1166	0.9899	Lin2	0.0081	1.0126							0.9970		0.9900
Anthracene	1.0984 0.9812	0.8955	0.9498	1.0405	0.9418	Ave		0.9845				7.5		20.4			
Di-n-butyl phthalate	0.8296 0.7172	0.7914	0.8534	0.9527	0.8795	Ave		0.8373				9.5		20.4			
Fluoranthene	1.4635 1.1466	1.0986	1.1480	1.2450	1.1143	Ave		1.2027				11.4		20.4			
Pyrene	1.8949 1.3552	1.4612	1.4652	1.5191	1.3512	Ave		1.5078				13.3		20.4			
Butylbenzylphthalate	0.3339 0.4223	0.3633	0.3998	0.4467	0.4187	Ave		0.3974				10.5		20.4			
Benzo[a]anthracene	1.3510 1.1924	1.1108	1.1540	1.2762	1.1708	Ave		1.2092				7.3		20.4			
Chrysene	1.5381 1.2550	1.3107	1.3559	1.3891	1.2424	Ave		1.3485				8.1		20.4			
Bis(2-ethylhexyl) phthalate	0.4361 0.5841	0.4733	0.5300	0.5896	0.5679	Ave		0.5302				11.9		20.4			
Di-n-octyl phthalate	0.6693 0.8186	0.7024	0.7771	0.8773	0.8277	Ave		0.7787				10.2		20.4			
Benzo[b]fluoranthene	1.4026 1.0746	1.1421	1.1572	1.2891	1.0791	Ave		1.1908				10.9		20.4			
Benzo[k]fluoranthene	1.3405 1.0756	1.1411	1.1983	1.2329	1.1310	Ave		1.1866				7.9		20.4			
Benzo[e]pyrene	1.3771 1.0529	1.1494	1.1581	1.2158	1.0762	Ave		1.1716				10.0		20.4			
Benzo[a]pyrene	1.0703 1.0382	0.9896	1.0474	1.1758	1.0517	Ave		1.0622				5.8		20.4			
Perylene	1.2793 1.0444	1.2022	1.2421	1.2165	1.0726	Ave		1.1762				8.1		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 338781

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/26/2023 07:56 Calibration End Date: 01/26/2023 09:46 Calibration ID: 46693

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Indeno[1,2,3-cd]pyrene	1.2162 1.0858	1.0315	1.0477	1.1551	1.0253	Ave		1.0936				7.0		20.4			
Dibenz(a,h)anthracene	1.3086 1.2163	1.1612	1.2096	1.2822	1.1660	Ave		1.2240				4.9		20.4			
Benzo[g,h,i]perylene	1.5163 1.2667	1.2825	1.3023	1.3512	1.2313	Ave		1.3250				7.7		20.4			
1-Methylnaphthalene-d10 (Surr)	0.5515 0.4946	0.4960	0.5142	0.5639	0.4888	Ave		0.5182				6.2		20.4			
Fluoranthene-d10 (Surr)	0.9877 0.9672	0.8843	0.9359	1.0421	0.9420	Ave		0.9599				5.5		20.4			
Benzo(a)pyrene-d12 (Surr)	0.8590 0.8090	0.7568	0.7896	0.9100	0.8092	Ave		0.8223				6.6		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1 Analy Batch No.: 338781

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/26/2023 07:56 Calibration End Date: 01/26/2023 09:46 Calibration ID: 46693

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338781/7	MA0406.D
Level 2	IC 410-338781/6	MA0405.D
Level 3	IC 410-338781/5	MA0404.D
Level 4	ICIS 410-338781/2	MA0401a.D
Level 5	IC 410-338781/4	MA0403.D
Level 6	IC 410-338781/3	MA0402.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	1251 362702	6843	14523	75068	146899	0.0100 2.50	0.0500	0.100	0.500	1.00
N-Nitrosodimethylamine	DCBd 4	Ave	1112 344199	6539	13453	66737	130772	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-chloroethyl)ether	NPT	Ave	2797 754229	15769	31446	151284	298017	0.0100 2.50	0.0500	0.100	0.500	1.00
Naphthalene	NPT	Lin2	22817 2808592	69173	124130	569113	1082785	0.0100 2.50	0.0500	0.100	0.500	1.00
Quinoline	NPT	Ave	7535 1587361	31654	62795	319445	625522	0.0100 2.50	0.0500	0.100	0.500	1.00
2-Methylnaphthalene	NPT	Ave	9578 1907838	41252	80735	385539	759539	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene	NPT	Ave	7833 1752319	36889	73617	355062	693098	0.0100 2.50	0.0500	0.100	0.500	1.00
Dimethylphthalate	ANT	Ave	159641 6784156	411582	830775	1918970	3753391	0.250 10.0	0.500	1.00	2.50	5.00
Acenaphthylene	ANT	Ave	9394 2804117	52271	107043	534551	1086698	0.0100 2.50	0.0500	0.100	0.500	1.00
Acenaphthene	ANT	Ave	7407 1614281	33664	68374	326369	644310	0.0100 2.50	0.0500	0.100	0.500	1.00
Dibenzofuran	ANT	Ave	11997 2640245	57496	112443	540222	1069542	0.0100 2.50	0.0500	0.100	0.500	1.00
Diethylphthalate	ANT	Ave	132169 6386583	343277	693586	1689522	3347239	0.250 10.0	0.500	1.00	2.50	5.00
Fluorene	ANT	Ave	8922	42240	82630	401483	794283	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 338781

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/26/2023 07:56 Calibration End Date: 01/26/2023 09:46 Calibration ID: 46693

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
			2031304					2.50				
N-Nitrosodiphenylamine	PHN	Ave	4255 1098401	22946	49685	237213	469100	0.0100 2.50	0.0500	0.100	0.500	1.00
Hexachlorobenzene	PHN	Ave	2956 769132	15954	32681	153851	308006	0.0100 2.50	0.0500	0.100	0.500	1.00
Phenanthrene	PHN	Lin2	17068 2893152	64444	125460	589985	1155029	0.0100 2.50	0.0500	0.100	0.500	1.00
Anthracene	PHN	Ave	10240 2833293	52136	107666	549771	1098861	0.0100 2.50	0.0500	0.100	0.500	1.00
Di-n-butyl phthalate	PHN	Ave	193349 8284458	460727	967388	2516784	5130902	0.250 10.0	0.500	1.00	2.50	5.00
Fluoranthene	PHN	Ave	13643 3310839	63958	130140	657807	1300223	0.0100 2.50	0.0500	0.100	0.500	1.00
Pyrene	CRY	Ave	13469 3427600	66134	132367	679602	1346349	0.0100 2.50	0.0500	0.100	0.500	1.00
Butylbenzylphthalate	CRY	Ave	59335 4272066	164417	361136	999179	2085995	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[a]anthracene	CRY	Ave	9603 3015803	50272	104247	570921	1166604	0.0100 2.50	0.0500	0.100	0.500	1.00
Chrysene	CRY	Ave	10933 3173997	59319	122487	621452	1237965	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	77493 5909053	214199	478823	1318930	2829338	0.250 10.0	0.500	1.00	2.50	5.00
Di-n-octyl phthalate	PRY	Ave	120443 10415777	346491	787911	2243773	4909429	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[b]fluoranthene	PRY	Ave	10096 3418229	56337	117323	659436	1280178	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[k]fluoranthene	PRY	Ave	9649 3421439	56290	121498	630690	1341726	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[e]pyrene	PRY	Ave	9912 3349150	56695	117416	621919	1276790	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[a]pyrene	PRY	Ave	7704 3302469	48817	106191	601484	1247637	0.0100 2.50	0.0500	0.100	0.500	1.00
Perylene	PRY	Ave	9208 3322062	59302	125931	622297	1272487	0.0100 2.50	0.0500	0.100	0.500	1.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	8754	50882	106224	590874	1216352	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 338781

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/26/2023 07:56 Calibration End Date: 01/26/2023 09:46 Calibration ID: 46693

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
			3453957					2.50				
Dibenz(a,h)anthracene	PRY	Ave	9419 3868921	57277	122643	655883	1383298	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[g,h,i]perylene	PRY	Ave	10914 4029415	63265	132036	691178	1460691	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene-d10 (Surr)	NPT	Ave	5343 1443681	30174	60730	290505	570055	0.0100 2.50	0.0500	0.100	0.500	1.00
Fluoranthene-d10 (Surr)	PHN	Ave	9208 2792955	51484	106096	550583	1099192	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo(a)pyrene-d12 (Surr)	PRY	Ave	6183 2573456	37332	80061	465485	960024	0.0100 2.50	0.0500	0.100	0.500	1.00

Curve Type Legend

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1 Analy Batch No.: 338781

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/26/2023 07:56 Calibration End Date: 01/26/2023 09:46 Calibration ID: 46693

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338781/7	MA0406.D
Level 2	IC 410-338781/6	MA0405.D
Level 3	IC 410-338781/5	MA0404.D
Level 4	ICIS 410-338781/2	MA0401a.D
Level 5	IC 410-338781/4	MA0403.D
Level 6	IC 410-338781/3	MA0402.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
Naphthalene	2.0	-9.3	-3.7	13.6	-3.5	0.9	50	30	30	30	30	30
Phenanthrene	1.1	-6.6	1.3	8.7	-3.0	-1.4	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0401a.D
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 26-Jan-2023 07:56:03 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L4
Misc. Info.: 410-0075813-002, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 27-Jan-2023 03:26:06 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: UJM0 Date: 26-Jan-2023 08:44:45

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	84	75068	0.5000	0.5636	
2 N-Nitrosodimethylamine	74	2.130	2.130	0.000	86	66737	0.5000	0.5477	
3 Bis(2-chloroethyl)ether	93	4.294	4.294	0.000	90	151284	0.5000	0.5432	
* 4 1,4-Dichlorobenzene-d4	152	4.556	4.556	0.000	99	77300	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.743	5.743	0.000	91	257606	0.2500	0.2500	
6 Naphthalene	128	5.768	5.768	0.000	92	569113	0.5000	0.5681	
7 Quinoline	129	6.081	6.081	0.000	98	319445	0.5000	0.5269	
8 2-Methylnaphthalene	142	6.417	6.417	0.000	96	385539	0.5000	0.5098	
$ 9 1-Methylnaphthalene-d10	152	6.476	6.476	0.000	97	290505	0.5000	0.5441	
10 1-Methylnaphthalene	142	6.506	6.506	0.000	100	355062	0.5000	0.5271	
11 Dimethyl phthalate	163	7.146	7.146	0.000	75	1918970	2.50	2.71	
12 Acenaphthylene	152	7.264	7.264	0.000	98	534551	0.5000	0.5343	
* 13 Acenaphthene-d10	164	7.402	7.402	0.000	91	144574	0.2500	0.2500	
14 Acenaphthene	154	7.432	7.432	0.000	89	326369	0.5000	0.5078	
15 Dibenzofuran	168	7.599	7.599	0.000	83	540222	0.5000	0.5088	
16 Diethyl phthalate	149	7.814	7.814	0.000	100	1689522	2.50	2.75	
17 Fluorene	166	7.916	7.916	0.000	100	401483	0.5000	0.5080	
18 N-Nitrosodiphenylamine	169	8.033	8.033	0.000	100	237213	0.5000	0.5344	
19 Hexachlorobenzene	284	8.447	8.447	0.000	88	153851	0.5000	0.5136	
* 20 Phenanthrene-d10	188	8.806	8.806	0.000	94	264177	0.2500	0.2500	
21 Phenanthrene	178	8.829	8.829	0.000	100	589985	0.5000	0.5434	
22 Anthracene	178	8.876	8.876	0.000	100	549771	0.5000	0.5284	
23 Di-n-butyl phthalate	149	9.380	9.380	0.000	100	2516784	2.50	2.84	
$ 24 Fluoranthene-d10 (Surr)	212	9.938	9.938	0.000	99	550583	0.5000	0.5428	
25 Fluoranthene	202	9.957	9.957	0.000	99	657807	0.5000	0.5176	
26 Pyrene	202	10.170	10.170	0.000	98	679602	0.5000	0.5037	
27 Butyl benzyl phthalate	149	10.849	10.849	0.000	100	999179	2.50	2.81	
28 Benzo[a]anthracene	228	11.447	11.447	0.000	100	570921	0.5000	0.5277	
* 29 Chrysene-d12	240	11.462	11.462	0.000	80	223686	0.2500	0.2500	
30 Chrysene	228	11.493	11.493	0.000	100	621452	0.5000	0.5151	

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	11.547	11.547	0.000	98	1318930	2.50	2.78	
32 Di-n-octyl phthalate	149	12.406	12.406	0.000	100	2243773	2.50	2.82	
33 Benzo[b]fluoranthene	252	12.858	12.858	0.000	100	659436	0.5000	0.5413	
34 Benzo[k]fluoranthene	252	12.897	12.897	0.000	100	630690	0.5000	0.5195	
35 Benzo[e]pyrene	252	13.242	13.242	0.000	100	621919	0.5000	0.5189	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.280	13.280	0.000	99	465485	0.5000	0.5533	
37 Benzo[a]pyrene	252	13.318	13.318	0.000	100	601484	0.5000	0.5535	
* 38 Perylene-d12	264	13.395	13.395	0.000	100	255768	0.2500	0.2500	
39 Perylene	252	13.433	13.433	0.000	100	622297	0.5000	0.5172	
40 Indeno[1,2,3-cd]pyrene	276	15.005	15.005	0.000	99	590874	0.5000	0.5281	M
41 Dibenz(a,h)anthracene	278	15.061	15.061	0.000	95	655883	0.5000	0.5238	
42 Benzo[g,h,i]perylene	276	15.457	15.457	0.000	96	691178	0.5000	0.5099	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00027 Amount Added: 1.00 Units: mL

Report Date: 27-Jan-2023 03:26:07 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0401a.D

Injection Date: 26-Jan-2023 07:56:03 Instrument ID: HP21585 Operator ID: jmg00346

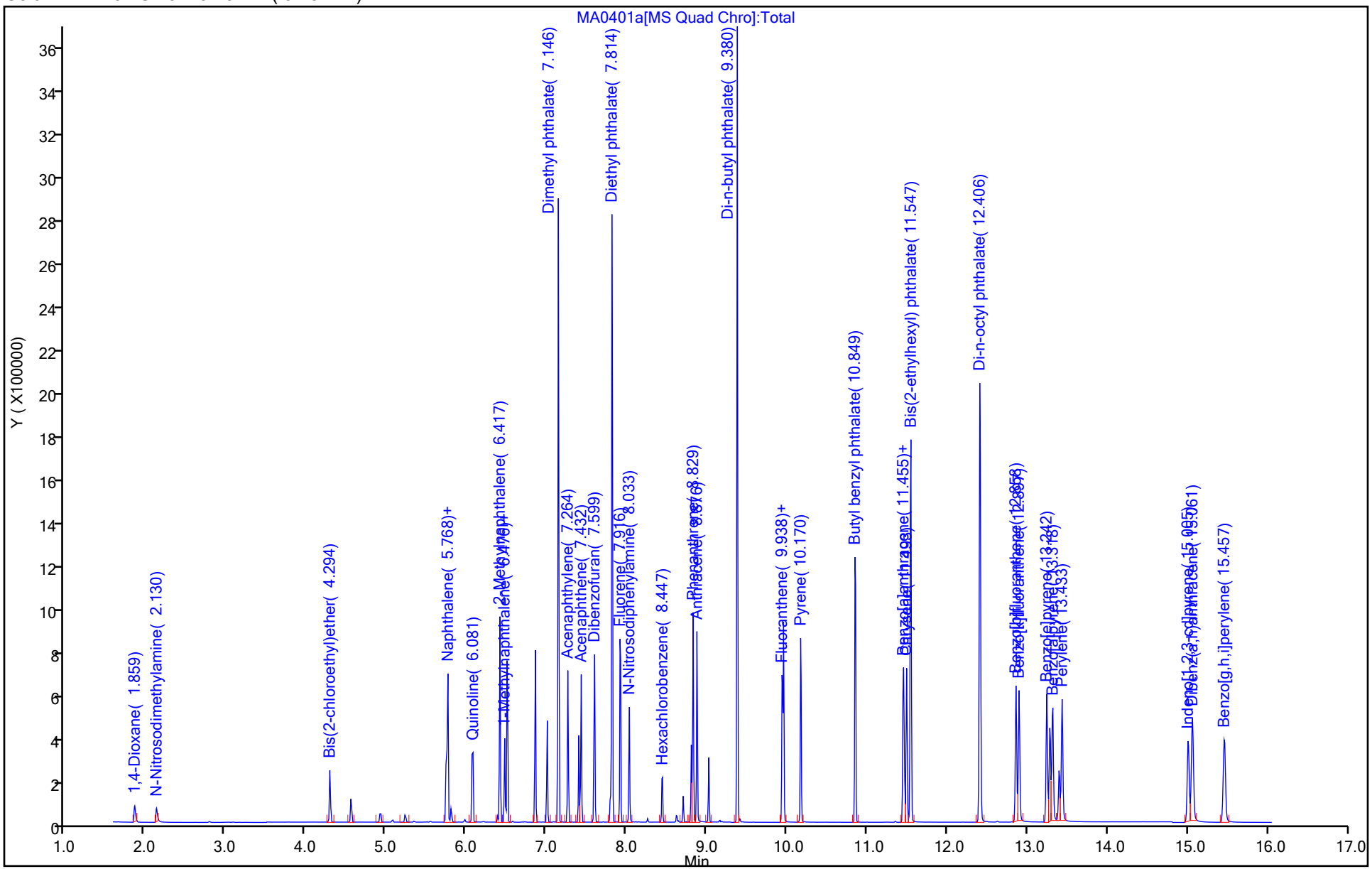
Lims ID: ICIS L4 Worklist Smp#: 2

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

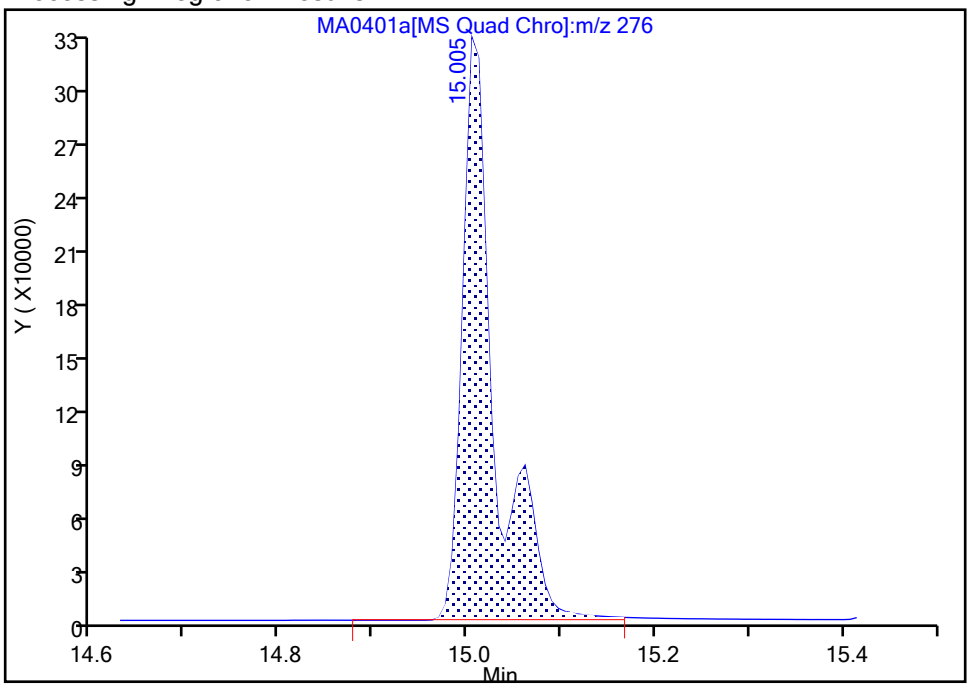
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0401a.D				
Injection Date:	26-Jan-2023 07:56:03	Instrument ID:	HP21585		
Lims ID:	ICIS L4				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

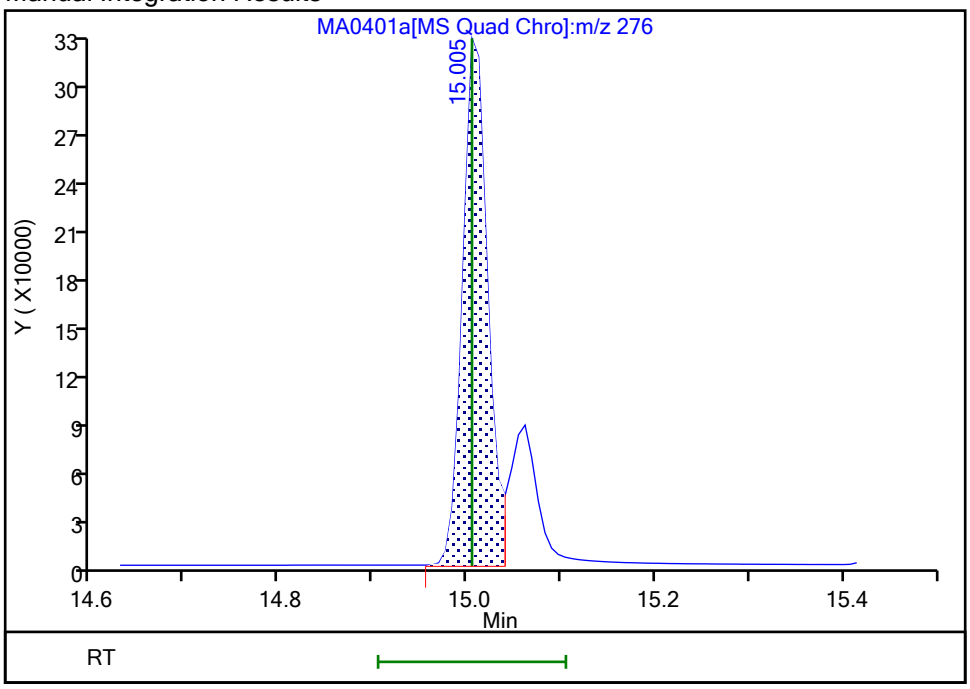
Processing Integration Results

RT: 15.00
Area: 767099
Amount: 0.500000
Amount Units: ug/ml



Manual Integration Results

RT: 15.00
Area: 590874
Amount: 0.528115
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 08:16:42

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0402.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 26-Jan-2023 08:20:21 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6
Misc. Info.: 410-0075741-003
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 27-Jan-2023 03:26:09 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: UJM0 Date: 26-Jan-2023 08:46:25

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	85	362702	2.50	2.47	
2 N-Nitrosodimethylamine	74	2.126	2.130	-0.004	85	344199	2.50	2.56	
3 Bis(2-chloroethyl)ether	93	4.293	4.294	-0.001	89	754229	2.50	2.39	
* 4 1,4-Dichlorobenzene-d4	152	4.556	4.556	0.000	88	85163	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.743	5.743	0.000	91	291905	0.2500	0.2500	
6 Naphthalene	128	5.768	5.768	0.000	92	2808592	2.50	2.52	
7 Quinoline	129	6.081	6.081	-0.001	97	1587361	2.50	2.31	
8 2-Methylnaphthalene	142	6.417	6.417	0.000	95	1907838	2.50	2.23	
$ 9 1-Methylnaphthalene-d10	152	6.476	6.476	0.000	97	1443681	2.50	2.39	
10 1-Methylnaphthalene	142	6.506	6.506	0.000	99	1752319	2.50	2.30	
11 Dimethyl phthalate	163	7.146	7.146	0.000	77	6784156	10.0	8.70	
12 Acenaphthylene	152	7.264	7.264	0.000	97	2804117	2.50	2.55	M
* 13 Acenaphthene-d10	164	7.402	7.402	0.000	90	159119	0.2500	0.2500	
14 Acenaphthene	154	7.432	7.432	0.000	86	1614281	2.50	2.28	
15 Dibenzofuran	168	7.599	7.599	0.000	83	2640245	2.50	2.26	
16 Diethyl phthalate	149	7.814	7.814	0.000	100	6386583	10.0	9.46	
17 Fluorene	166	7.916	7.916	0.000	100	2031304	2.50	2.34	
18 N-Nitrosodiphenylamine	169	8.033	8.033	0.000	97	1098401	2.50	2.26	
19 Hexachlorobenzene	284	8.446	8.447	-0.001	90	769132	2.50	2.35	
* 20 Phenanthrene-d10	188	8.806	8.806	0.000	95	288758	0.2500	0.2500	
21 Phenanthrene	178	8.829	8.829	0.000	100	2893152	2.50	2.47	
22 Anthracene	178	8.876	8.876	0.000	100	2833293	2.50	2.49	
23 Di-n-butyl phthalate	149	9.380	9.380	0.000	100	8284458	10.0	8.57	
$ 24 Fluoranthene-d10 (Surr)	212	9.938	9.938	0.000	97	2792955	2.50	2.52	
25 Fluoranthene	202	9.957	9.957	0.000	99	3310839	2.50	2.38	
26 Pyrene	202	10.170	10.170	0.000	98	3427600	2.50	2.25	
27 Butyl benzyl phthalate	149	10.855	10.849	0.006	100	4272066	10.0	10.6	
28 Benzo[a]anthracene	228	11.453	11.447	0.006	100	3015803	2.50	2.47	
* 29 Chrysene-d12	240	11.461	11.462	-0.001	66	252918	0.2500	0.2500	
30 Chrysene	228	11.492	11.493	-0.001	100	3173997	2.50	2.33	

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	11.545	11.547	-0.002	98	5909053	10.0	11.0	
32 Di-n-octyl phthalate	149	12.412	12.406	0.006	100	10415777	10.0	10.5	
33 Benzo[b]fluoranthene	252	12.857	12.858	-0.001	100	3418229	2.50	2.26	
34 Benzo[k]fluoranthene	252	12.895	12.897	-0.002	100	3421439	2.50	2.27	
35 Benzo[e]pyrene	252	13.240	13.242	-0.002	100	3349150	2.50	2.25	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.286	13.280	0.006	99	2573456	2.50	2.46	
37 Benzo[a]pyrene	252	13.317	13.318	-0.001	100	3302469	2.50	2.44	
* 38 Perylene-d12	264	13.401	13.395	0.006	100	318093	0.2500	0.2500	
39 Perylene	252	13.432	13.433	-0.001	100	3322062	2.50	2.22	
40 Indeno[1,2,3-cd]pyrene	276	15.010	15.005	0.005	100	3453957	2.50	2.48	M
41 Dibenz(a,h)anthracene	278	15.067	15.061	0.006	96	3868921	2.50	2.48	
42 Benzo[g,h,i]perylene	276	15.462	15.457	0.005	96	4029415	2.50	2.39	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_6_00017 Amount Added: 1.00 Units: mL

Report Date: 27-Jan-2023 03:26:09 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0402.D

Injection Date: 26-Jan-2023 08:20:21 Instrument ID: HP21585 Operator ID: jmg00346

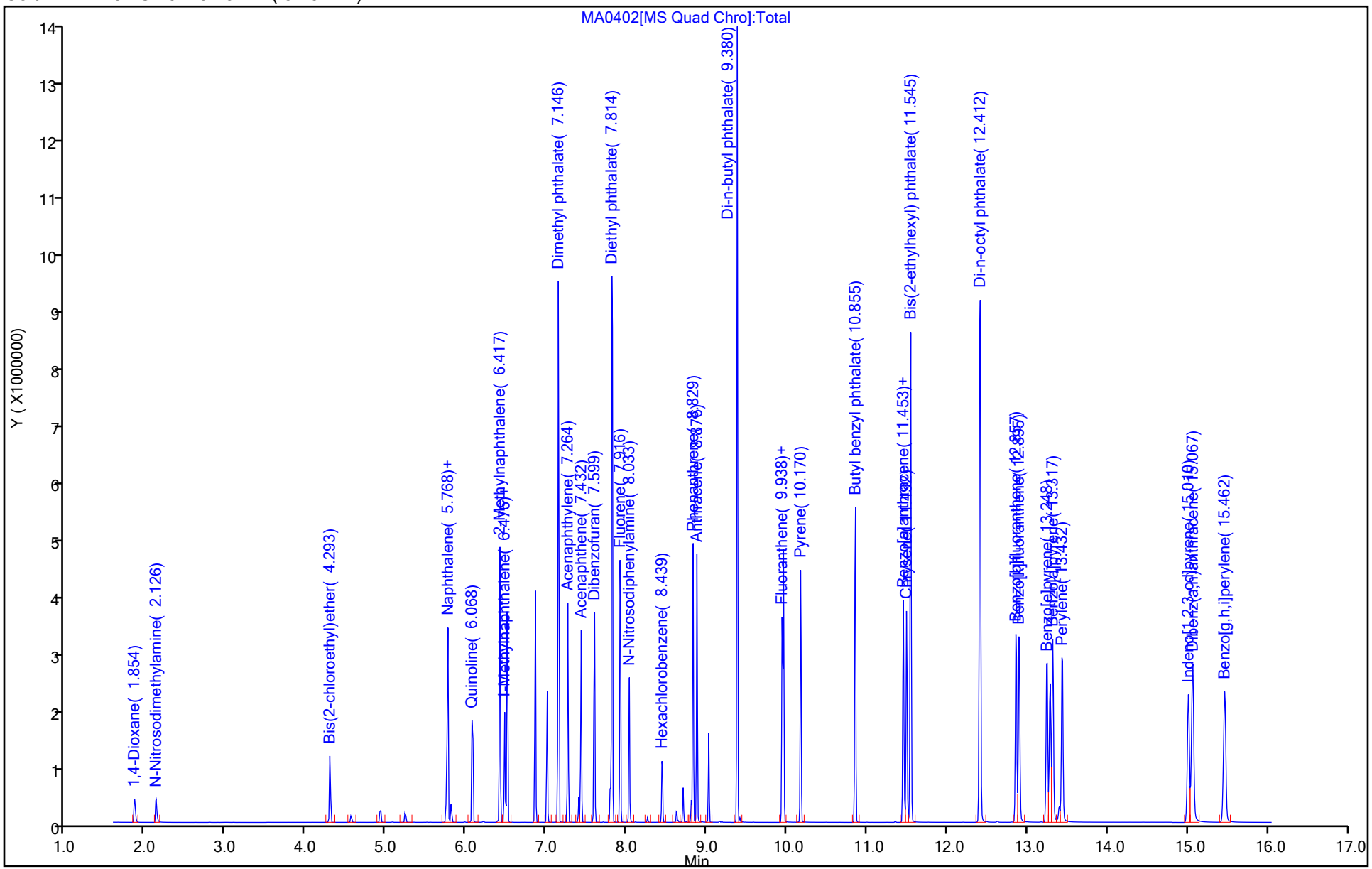
Lims ID: IC L6 Worklist Smp#: 3

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

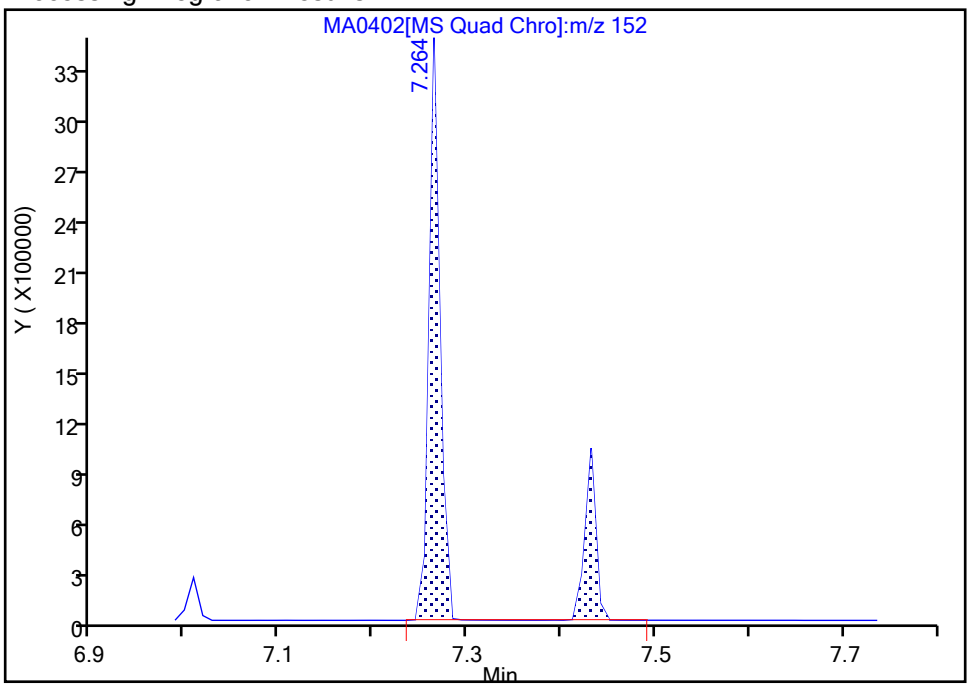
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0402.D		
Injection Date:	26-Jan-2023 08:20:21	Instrument ID:	HP21585
Lims ID:	IC L6		
Client ID:			
Operator ID:	jmg00346	ALS Bottle#:	0 Worklist Smp#: 3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

12 Acenaphthylene, CAS: 208-96-8

Signal: 1

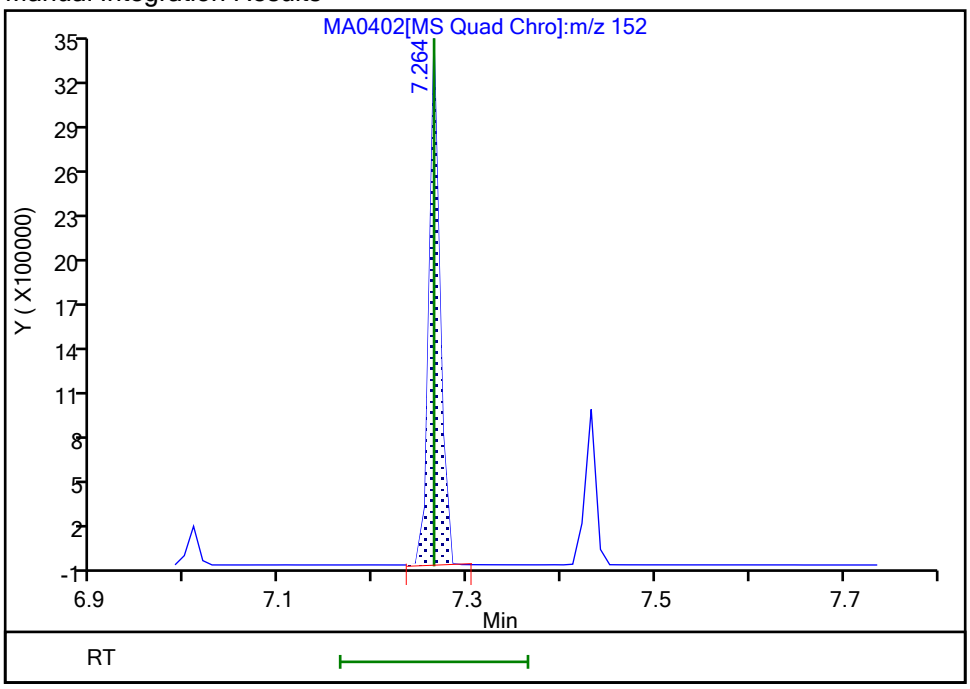
Processing Integration Results

RT: 7.26
Area: 3637062
Amount: 2.764266
Amount Units: ug/ml



Manual Integration Results

RT: 7.26
Area: 2804117
Amount: 2.546426
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 08:45:09
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

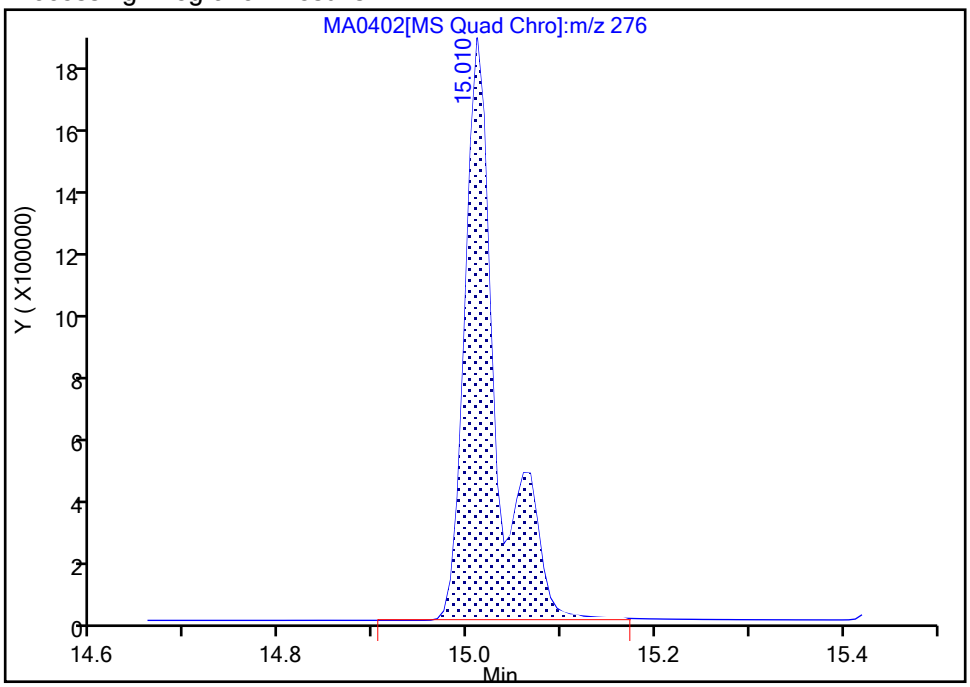
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0402.D				
Injection Date:	26-Jan-2023 08:20:21	Instrument ID:	HP21585		
Lims ID:	IC L6				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

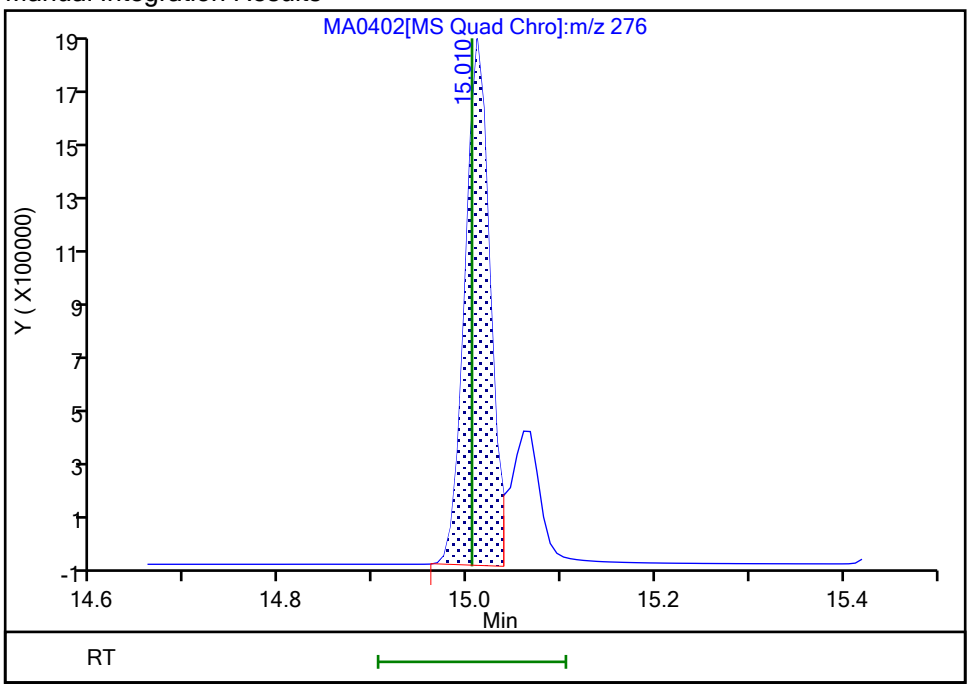
Processing Integration Results

RT: 15.01
Area: 4504491
Amount: 2.753769
Amount Units: ug/ml



Manual Integration Results

RT: 15.01
Area: 3453957
Amount: 2.482232
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 08:44:58

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0403.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Jan-2023 08:41:50 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0075741-004
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 27-Jan-2023 03:26:04 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: UJM0 Date: 27-Jan-2023 03:26:04

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	1.859	1.859	0.000	85	146899	1.00	1.01	
2 N-Nitrosodimethylamine	74	2.130	2.130	0.000	85	130772	1.00	0.9838	
3 Bis(2-chloroethyl)ether	93	4.294	4.294	0.000	90	298017	1.00	0.9454	
* 4 1,4-Dichlorobenzene-d4	152	4.556	4.556	0.000	100	84324	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.743	5.743	0.000	91	291561	0.2500	0.2500	
6 Naphthalene	128	5.768	5.768	0.000	92	1082785	1.00	0.9650	
7 Quinoline	129	6.068	6.081	-0.013	98	625522	1.00	0.9116	
8 2-Methylnaphthalene	142	6.417	6.417	0.000	95	759539	1.00	0.8874	
$ 9 1-Methylnaphthalene-d10	152	6.476	6.476	0.000	96	570055	1.00	0.9433	
10 1-Methylnaphthalene	142	6.506	6.506	0.000	99	693098	1.00	0.9092	
11 Dimethyl phthalate	163	7.146	7.146	0.000	75	3753391	5.00	4.76	
12 Acenaphthylene	152	7.264	7.264	0.000	97	1086698	1.00	0.9760	
* 13 Acenaphthene-d10	164	7.402	7.402	0.000	87	160891	0.2500	0.2500	
14 Acenaphthene	154	7.432	7.432	0.000	89	644310	1.00	0.9008	
15 Dibenzofuran	168	7.599	7.599	0.000	83	1069542	1.00	0.9053	
16 Diethyl phthalate	149	7.814	7.814	0.000	99	3347239	5.00	4.90	
17 Fluorene	166	7.916	7.916	0.000	99	794283	1.00	0.9030	
18 N-Nitrosodiphenylamine	169	8.033	8.033	0.000	98	469100	1.00	0.9571	
19 Hexachlorobenzene	284	8.439	8.447	-0.008	89	308006	1.00	0.9312	
* 20 Phenanthrene-d10	188	8.806	8.806	0.000	95	291703	0.2500	0.2500	
21 Phenanthrene	178	8.829	8.829	0.000	100	1155029	1.00	0.9696	
22 Anthracene	178	8.876	8.876	0.000	100	1098861	1.00	0.9566	
23 Di-n-butyl phthalate	149	9.374	9.380	-0.006	100	5130902	5.00	5.25	
$ 24 Fluoranthene-d10 (Surr)	212	9.938	9.938	0.000	99	1099192	1.00	0.9814	
25 Fluoranthene	202	9.951	9.957	-0.006	99	1300223	1.00	0.9266	
26 Pyrene	202	10.170	10.170	0.000	98	1346349	1.00	0.8961	
27 Butyl benzyl phthalate	149	10.849	10.849	0.000	100	2085995	5.00	5.27	
28 Benzo[a]anthracene	228	11.447	11.447	0.000	100	1166604	1.00	0.9683	
* 29 Chrysene-d12	240	11.462	11.462	0.000	73	249103	0.2500	0.2500	
30 Chrysene	228	11.493	11.493	0.000	100	1237965	1.00	0.9213	

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	11.539	11.547	-0.008	99	2829338	5.00	5.36	
32 Di-n-octyl phthalate	149	12.406	12.406	0.000	100	4909429	5.00	5.31	
33 Benzo[b]fluoranthene	252	12.858	12.858	0.000	100	1280178	1.00	0.9062	
34 Benzo[k]fluoranthene	252	12.897	12.897	0.000	100	1341726	1.00	0.9531	
35 Benzo[e]pyrene	252	13.242	13.242	0.000	100	1276790	1.00	0.9186	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.280	13.280	0.000	100	960024	1.00	0.9841	
37 Benzo[a]pyrene	252	13.311	13.318	-0.007	100	1247637	1.00	0.99	
* 38 Perylene-d12	264	13.395	13.395	0.000	100	296584	0.2500	0.2500	
39 Perylene	252	13.433	13.433	0.000	100	1272487	1.00	0.9120	
40 Indeno[1,2,3-cd]pyrene	276	15.005	15.005	0.000	100	1216352	1.00	0.9375	M
41 Dibenz(a,h)anthracene	278	15.061	15.061	0.000	96	1383298	1.00	0.9527	
42 Benzo[g,h,i]perylene	276	15.457	15.457	0.000	96	1460691	1.00	0.9292	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_5_00020 Amount Added: 1.00 Units: mL

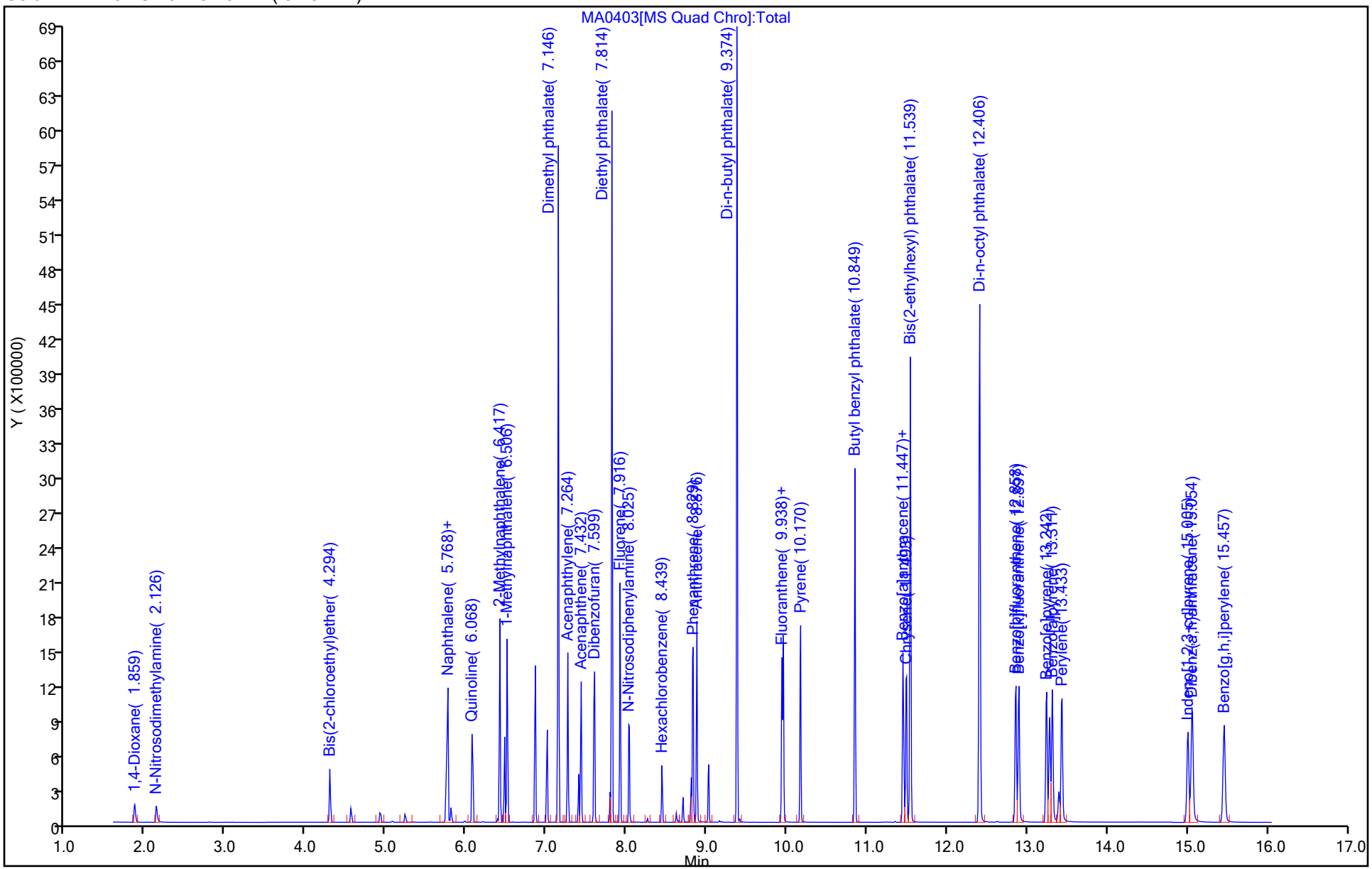
Report Date: 27-Jan-2023 03:26:04 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0403.D

Injection Date:	26-Jan-2023 08:41:50	Instrument ID:	HP21585	Operator ID:	jmg00346
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

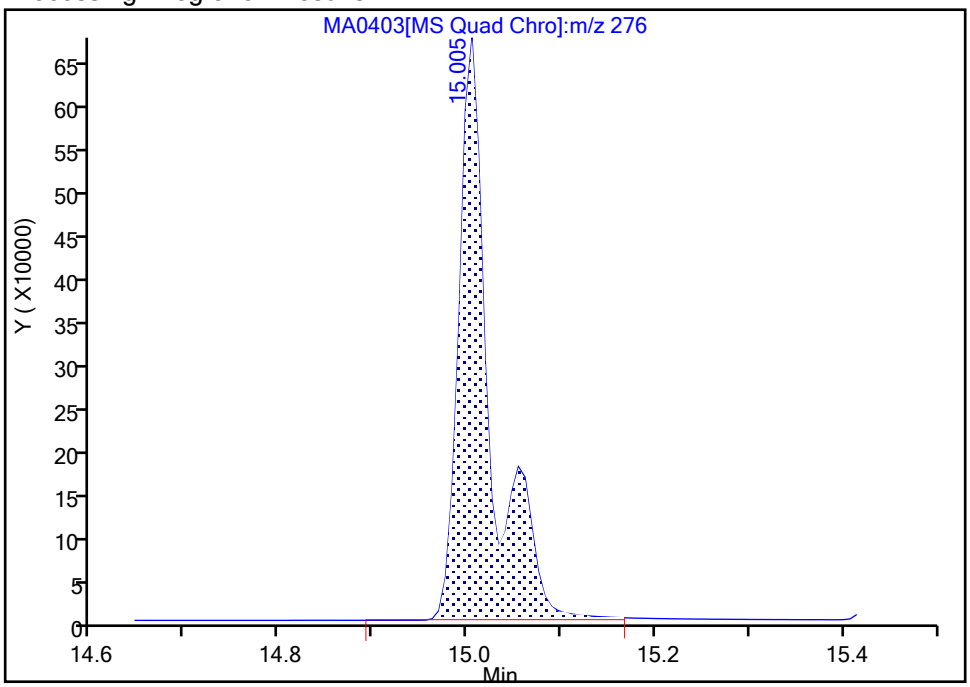
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0403.D				
Injection Date:	26-Jan-2023 08:41:50	Instrument ID:	HP21585		
Lims ID:	IC L5				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

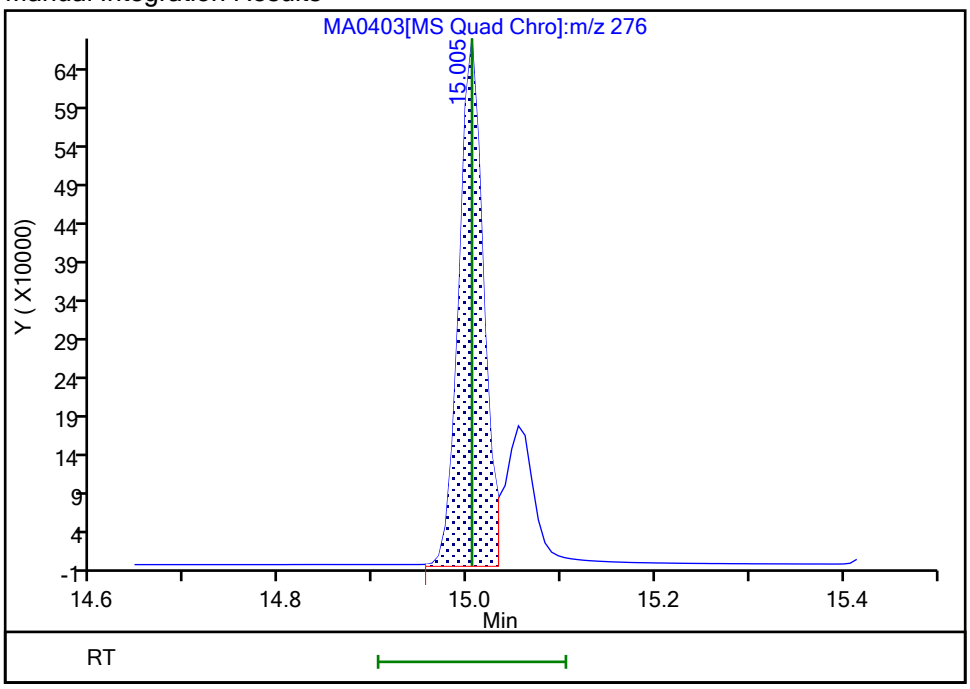
Processing Integration Results

RT: 15.00
Area: 1599912
Amount: 1.127120
Amount Units: ug/ml



Manual Integration Results

RT: 15.00
Area: 1216352
Amount: 0.937543
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 09:04:37

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0404.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Jan-2023 09:03:14 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0075813-005
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 27-Jan-2023 03:26:11 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: UJM0 Date: 26-Jan-2023 10:32:40

	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	1.863	1.859	0.004	84	14523	0.1000	0.0963	M
	2 N-Nitrosodimethylamine	74	2.143	2.130	0.013	85	13453	0.1000	0.0975	
	3 Bis(2-chloroethyl)ether	93	4.293	4.294	-0.001	91	31446	0.1000	0.0985	
*	4 1,4-Dichlorobenzene-d4	152	4.556	4.556	0.000	95	87537	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.743	5.743	0.000	91	295237	0.2500	0.2500	
	6 Naphthalene	128	5.768	5.768	0.000	91	124130	0.1000	0.0963	
	7 Quinoline	129	6.068	6.081	-0.013	64	62795	0.1000	0.0904	M
	8 2-Methylnaphthalene	142	6.417	6.417	0.000	95	80735	0.1000	0.0931	
$	9 1-Methylnaphthalene-d10	152	6.476	6.476	0.000	97	60730	0.1000	0.0992	
	10 1-Methylnaphthalene	142	6.506	6.506	0.000	99	73617	0.1000	0.0954	
	11 Dimethyl phthalate	163	7.146	7.146	0.000	75	830775	1.00	1.07	
	12 Acenaphthylene	152	7.264	7.264	0.000	97	107043	0.1000	0.0972	
*	13 Acenaphthene-d10	164	7.402	7.402	0.000	88	159054	0.2500	0.2500	
	14 Acenaphthene	154	7.432	7.432	0.000	87	68374	0.1000	0.0967	
	15 Dibenzofuran	168	7.599	7.599	0.000	83	112443	0.1000	0.0963	
	16 Diethyl phthalate	149	7.814	7.814	0.000	98	693586	1.00	1.03	
	17 Fluorene	166	7.916	7.916	0.000	98	82630	0.1000	0.0950	
	18 N-Nitrosodiphenylamine	169	8.033	8.033	0.000	98	49685	0.1000	0.1043	
	19 Hexachlorobenzene	284	8.439	8.447	-0.008	88	32681	0.1000	0.1017	
*	20 Phenanthrene-d10	188	8.805	8.806	-0.001	99	283400	0.2500	0.2500	
	21 Phenanthrene	178	8.829	8.829	0.000	100	125460	0.1000	0.1013	
	22 Anthracene	178	8.876	8.876	0.000	100	107666	0.1000	0.0965	
	23 Di-n-butyl phthalate	149	9.374	9.380	-0.006	100	967388	1.00	1.02	
$	24 Fluoranthene-d10 (Surr)	212	9.938	9.938	0.000	97	106096	0.1000	0.0975	
	25 Fluoranthene	202	9.951	9.957	-0.006	99	130140	0.1000	0.0955	
	26 Pyrene	202	10.170	10.170	0.000	98	132367	0.1000	0.0972	
	27 Butyl benzyl phthalate	149	10.847	10.849	-0.002	100	361136	1.00	1.01	
	28 Benzo[a]anthracene	228	11.445	11.447	-0.002	100	104247	0.1000	0.0954	
*	29 Chrysene-d12	240	11.461	11.462	-0.001	57	225848	0.2500	0.2500	
	30 Chrysene	228	11.491	11.493	-0.002	100	122487	0.1000	0.1005	

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	11.537	11.547	-0.010	99	478823	1.00	1.00	
32 Di-n-octyl phthalate	149	12.404	12.406	-0.002	100	787911	1.00	1.00	
33 Benzo[b]fluoranthene	252	12.857	12.858	-0.001	100	117323	0.1000	0.0972	
34 Benzo[k]fluoranthene	252	12.895	12.897	-0.002	100	121498	0.1000	0.1010	
35 Benzo[e]pyrene	252	13.232	13.242	-0.010	100	117416	0.1000	0.0988	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.278	13.280	-0.002	100	80061	0.1000	0.0960	
37 Benzo[a]pyrene	252	13.309	13.318	-0.009	100	106191	0.1000	0.0986	
* 38 Perylene-d12	264	13.393	13.395	-0.002	100	253471	0.2500	0.2500	
39 Perylene	252	13.432	13.433	-0.001	100	125931	0.1000	0.1056	
40 Indeno[1,2,3-cd]pyrene	276	15.003	15.005	-0.002	100	106224	0.1000	0.0958	M
41 Dibenz(a,h)anthracene	278	15.053	15.061	-0.008	94	122643	0.1000	0.0988	
42 Benzo[g,h,i]perylene	276	15.448	15.457	-0.009	96	132036	0.1000	0.0983	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_3_00020 Amount Added: 1.00 Units: mL

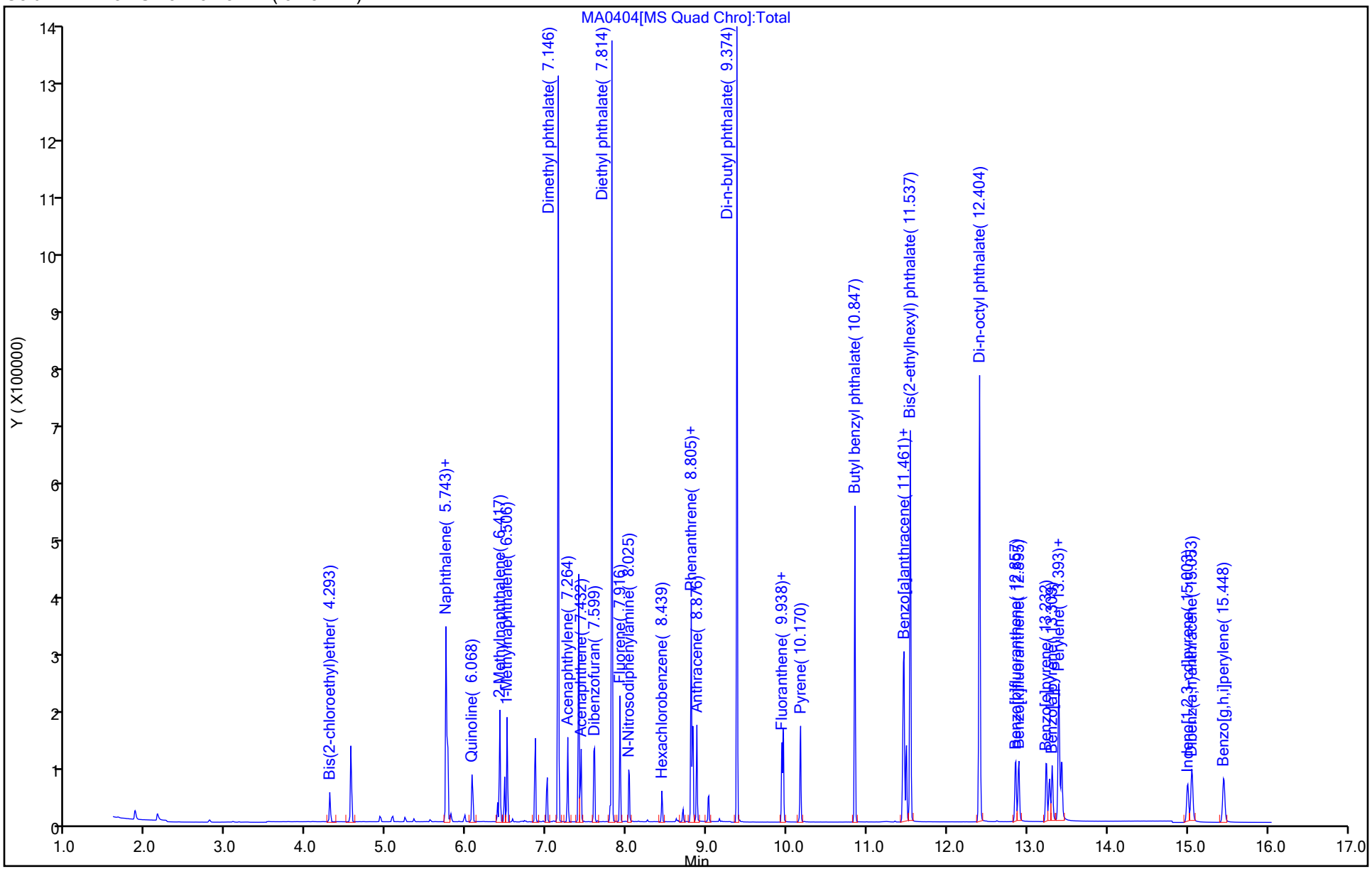
Report Date: 27-Jan-2023 03:26:12 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0404.D

Injection Date:	26-Jan-2023 09:03:14	Instrument ID:	HP21585	Operator ID:	jmg00346
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

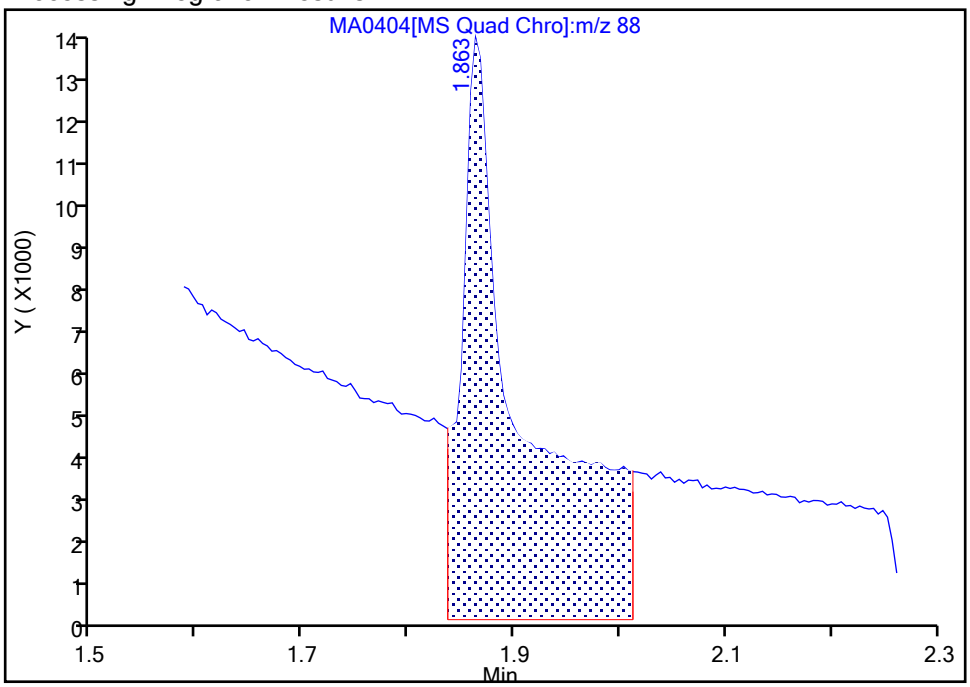
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0404.D				
Injection Date:	26-Jan-2023 09:03:14	Instrument ID:	HP21585		
Lims ID:	IC L3				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

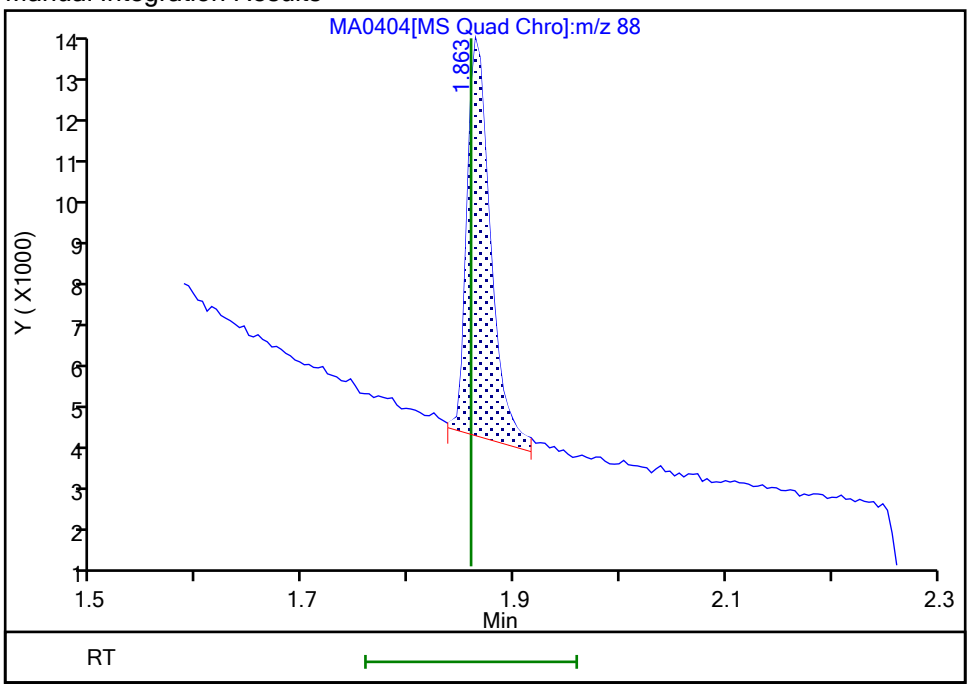
Processing Integration Results

RT: 1.86
Area: 55139
Amount: 0.215591
Amount Units: ug/ml



Manual Integration Results

RT: 1.86
Area: 14523
Amount: 0.096294
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 09:31:21
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

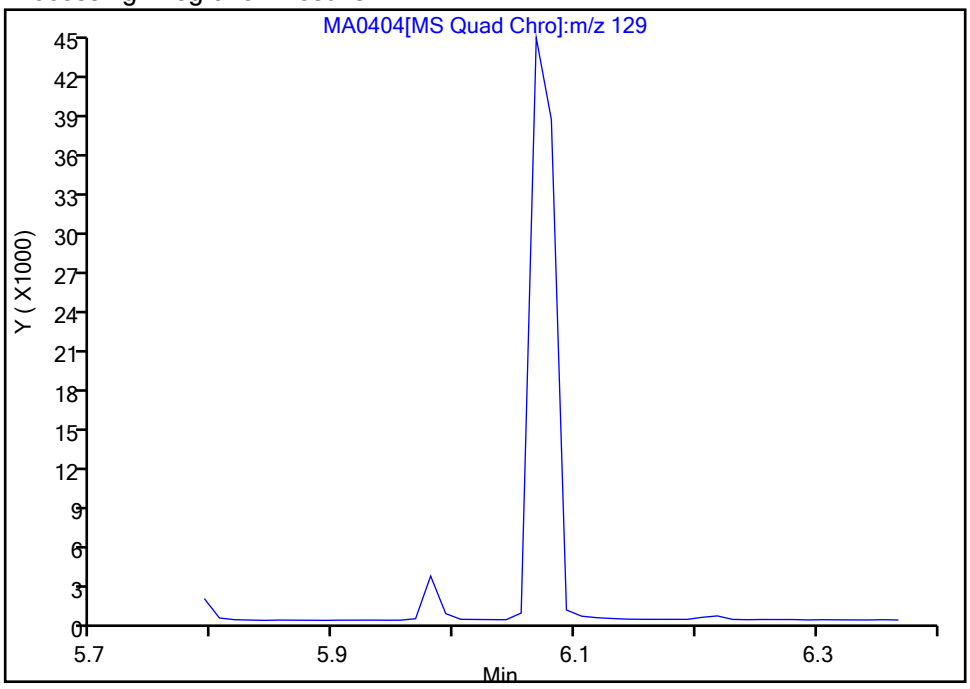
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0404.D				
Injection Date:	26-Jan-2023 09:03:14	Instrument ID:	HP21585		
Lims ID:	IC L3				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

7 Quinoline, CAS: 91-22-5

Signal: 1

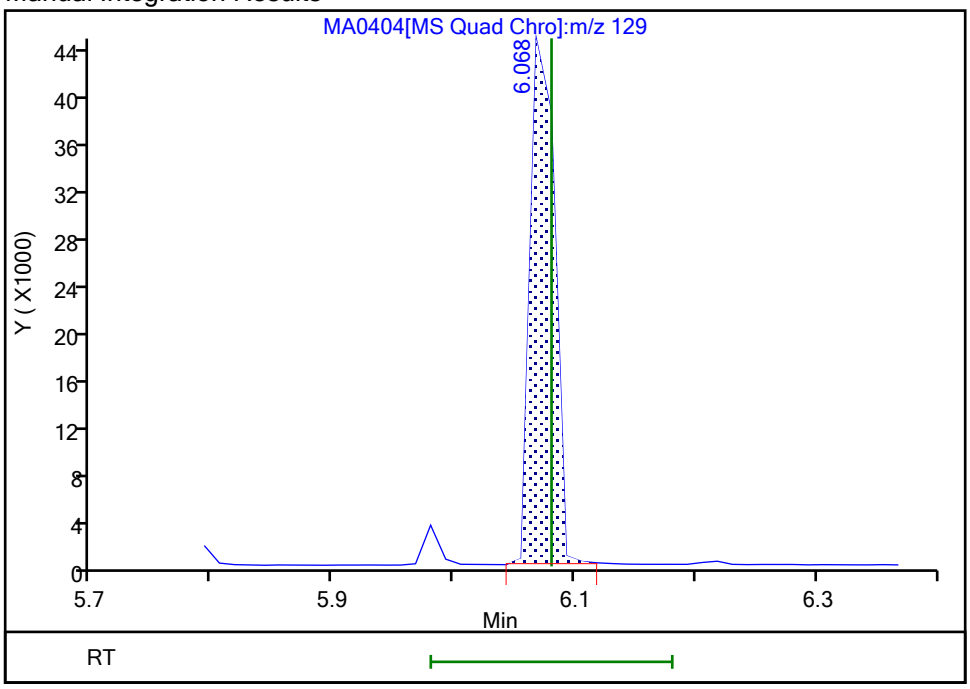
Not Detected
Expected RT: 6.08

Processing Integration Results



Manual Integration Results

RT: 6.07
Area: 62795
Amount: 0.090379
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 09:31:31
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

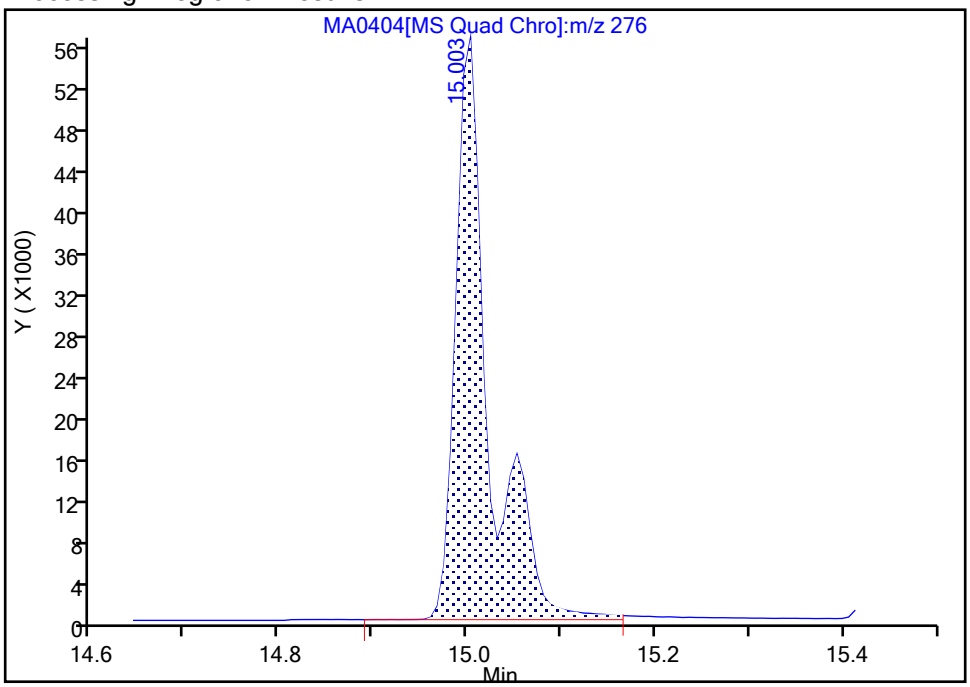
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0404.D				
Injection Date:	26-Jan-2023 09:03:14	Instrument ID:	HP21585		
Lims ID:	IC L3				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

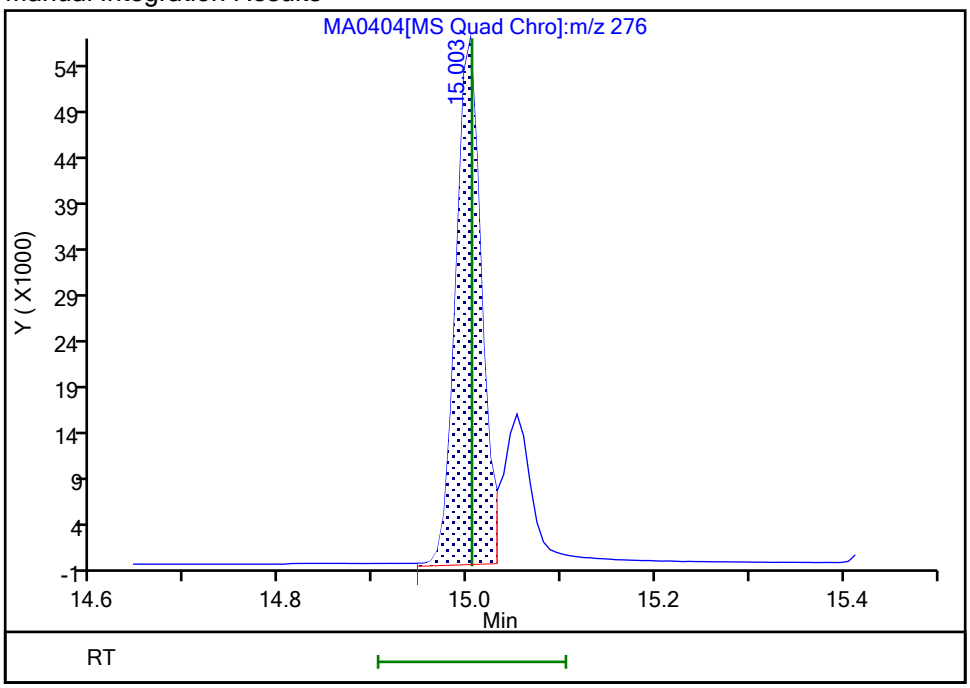
Processing Integration Results

RT: 15.00
Area: 141063
Amount: 0.119489
Amount Units: ug/ml



Manual Integration Results

RT: 15.00
Area: 106224
Amount: 0.095802
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 09:31:53
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0405.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Jan-2023 09:24:44 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0075813-006
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 27-Jan-2023 03:26:14 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: UJM0 Date: 26-Jan-2023 10:33:46

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	1.868	1.859	0.009	84	6843	0.0500	0.0446	M
2 N-Nitrosodimethylamine	74	2.148	2.130	0.018	84	6539	0.0500	0.0465	
3 Bis(2-chloroethyl)ether	93	4.294	4.294	0.000	91	15769	0.0500	0.0480	
* 4 1,4-Dichlorobenzene-d4	152	4.556	4.556	0.000	98	89152	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.743	5.743	0.000	91	304159	0.2500	0.2500	
6 Naphthalene	128	5.768	5.768	0.000	91	69173	0.0500	0.0453	
7 Quinoline	129	6.068	6.081	-0.013	97	31654	0.0500	0.0442	M
8 2-Methylnaphthalene	142	6.417	6.417	0.000	95	41252	0.0500	0.0462	
$ 9 1-Methylnaphthalene-d10	152	6.476	6.476	0.000	97	30174	0.0500	0.0479	
10 1-Methylnaphthalene	142	6.506	6.506	0.000	99	36889	0.0500	0.0464	
11 Dimethyl phthalate	163	7.146	7.146	0.000	75	411582	0.5000	0.5127	
12 Acenaphthylene	152	7.264	7.264	0.000	98	52271	0.0500	0.0461	
* 13 Acenaphthene-d10	164	7.402	7.402	0.000	86	163887	0.2500	0.2500	
14 Acenaphthene	154	7.432	7.432	0.000	86	33664	0.0500	0.0462	
15 Dibenzofuran	168	7.599	7.599	0.000	83	57496	0.0500	0.0478	
16 Diethyl phthalate	149	7.814	7.814	0.000	98	343277	0.5000	0.4936	
17 Fluorene	166	7.916	7.916	0.000	97	42240	0.0500	0.0471	
18 N-Nitrosodiphenylamine	169	8.025	8.033	-0.008	99	22946	0.0500	0.0469	M
19 Hexachlorobenzene	284	8.439	8.447	-0.008	87	15954	0.0500	0.0483	
* 20 Phenanthrene-d10	188	8.806	8.806	0.000	95	291092	0.2500	0.2500	
21 Phenanthrene	178	8.829	8.829	0.000	100	64444	0.0500	0.0467	
22 Anthracene	178	8.876	8.876	0.000	100	52136	0.0500	0.0455	
23 Di-n-butyl phthalate	149	9.374	9.380	-0.006	100	460727	0.5000	0.4726	
$ 24 Fluoranthene-d10 (Surr)	212	9.938	9.938	0.000	97	51484	0.0500	0.0461	
25 Fluoranthene	202	9.951	9.957	-0.006	99	63958	0.0500	0.0457	
26 Pyrene	202	10.170	10.170	0.000	98	66134	0.0500	0.0485	
27 Butyl benzyl phthalate	149	10.849	10.849	0.000	100	164417	0.5000	0.4570	
28 Benzo[a]anthracene	228	11.447	11.447	0.000	100	50272	0.0500	0.0459	
* 29 Chrysene-d12	240	11.462	11.462	0.000	56	226295	0.2500	0.2500	
30 Chrysene	228	11.485	11.493	-0.008	100	59319	0.0500	0.0486	

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	11.539	11.547	-0.008	99	214199	0.5000	0.4463	
32 Di-n-octyl phthalate	149	12.406	12.406	0.000	100	346491	0.5000	0.4510	
33 Benzo[b]fluoranthene	252	12.851	12.858	-0.007	100	56337	0.0500	0.0480	
34 Benzo[k]fluoranthene	252	12.889	12.897	-0.008	100	56290	0.0500	0.0481	
35 Benzo[e]pyrene	252	13.234	13.242	-0.008	100	56695	0.0500	0.0491	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.272	13.280	-0.008	99	37332	0.0500	0.0460	
37 Benzo[a]pyrene	252	13.311	13.318	-0.007	100	48817	0.0500	0.0466	
* 38 Perylene-d12	264	13.395	13.395	0.000	100	246638	0.2500	0.2500	
39 Perylene	252	13.426	13.433	-0.007	100	59302	0.0500	0.0511	
40 Indeno[1,2,3-cd]pyrene	276	15.004	15.005	-0.001	99	50882	0.0500	0.0472	M
41 Dibenz(a,h)anthracene	278	15.054	15.061	-0.007	94	57277	0.0500	0.0474	
42 Benzo[g,h,i]perylene	276	15.449	15.457	-0.008	96	63265	0.0500	0.0484	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_2_00020 Amount Added: 1.00 Units: mL

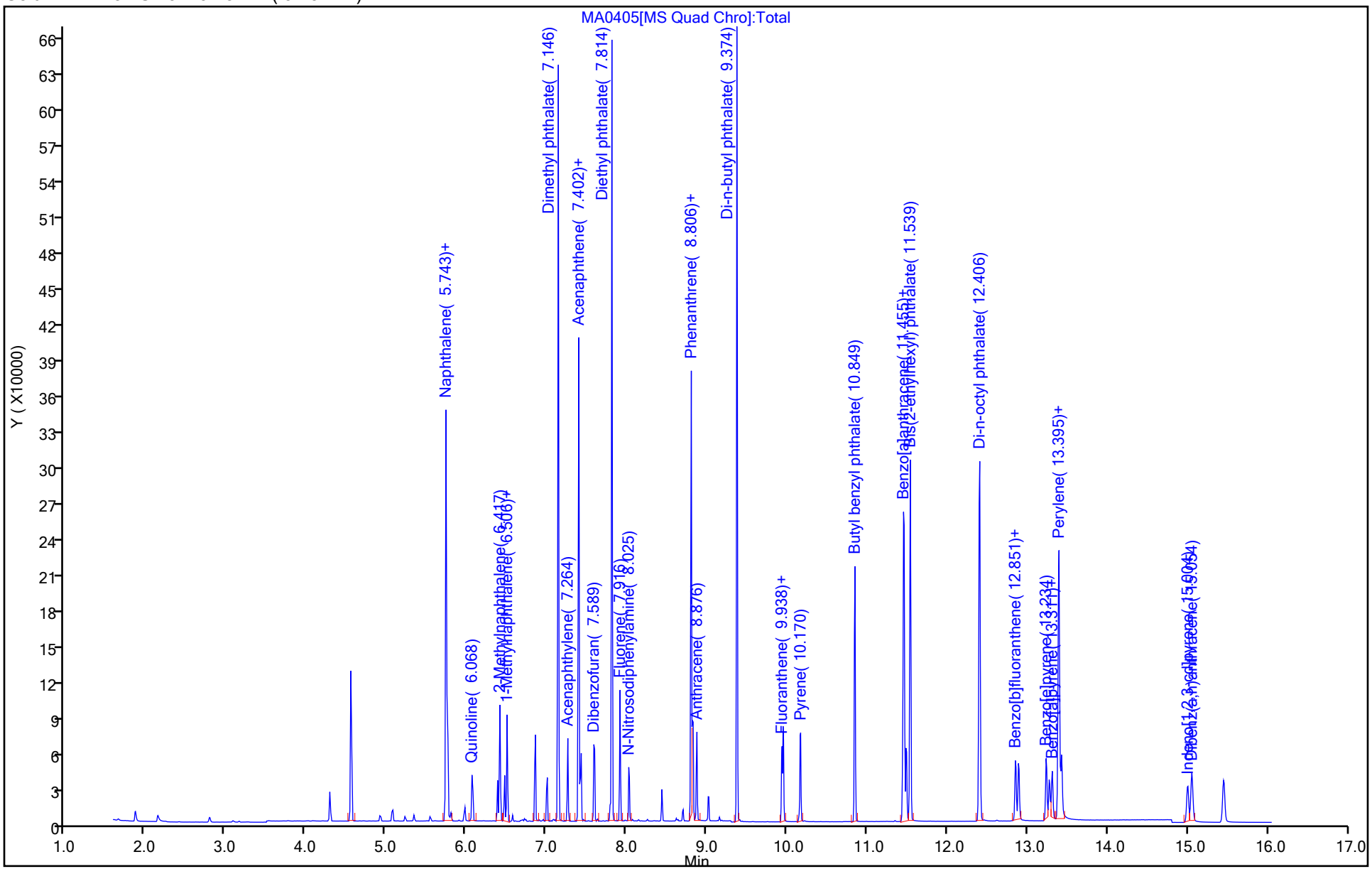
Report Date: 27-Jan-2023 03:26:15 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0405.D

Injection Date:	26-Jan-2023 09:24:44	Instrument ID:	HP21585	Operator ID:	jmg00346
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

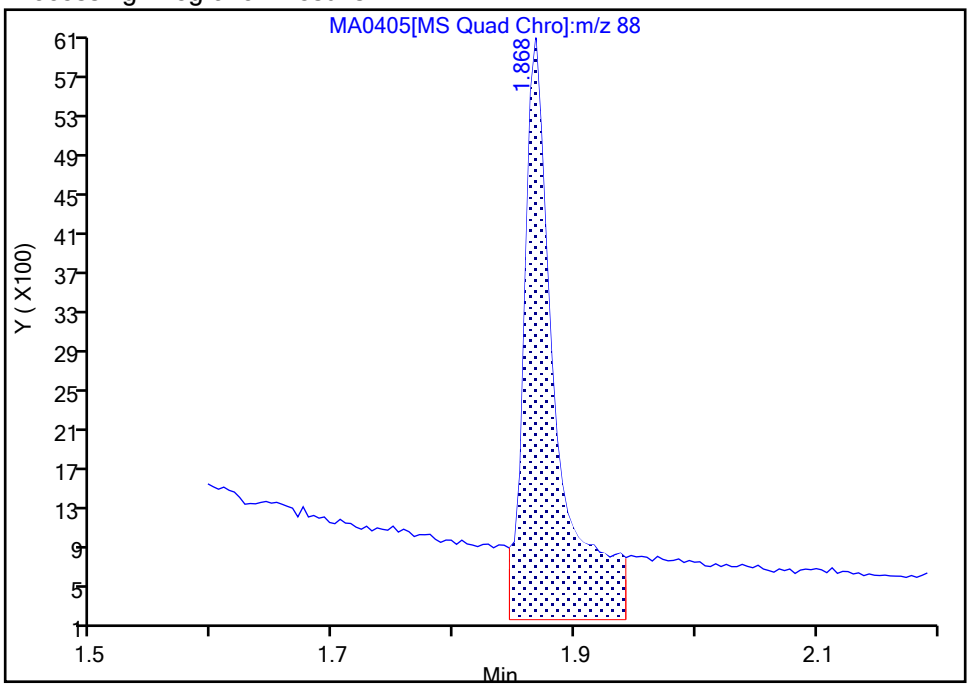
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0405.D
Injection Date: 26-Jan-2023 09:24:44 Instrument ID: HP21585
Lims ID: IC L2
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 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

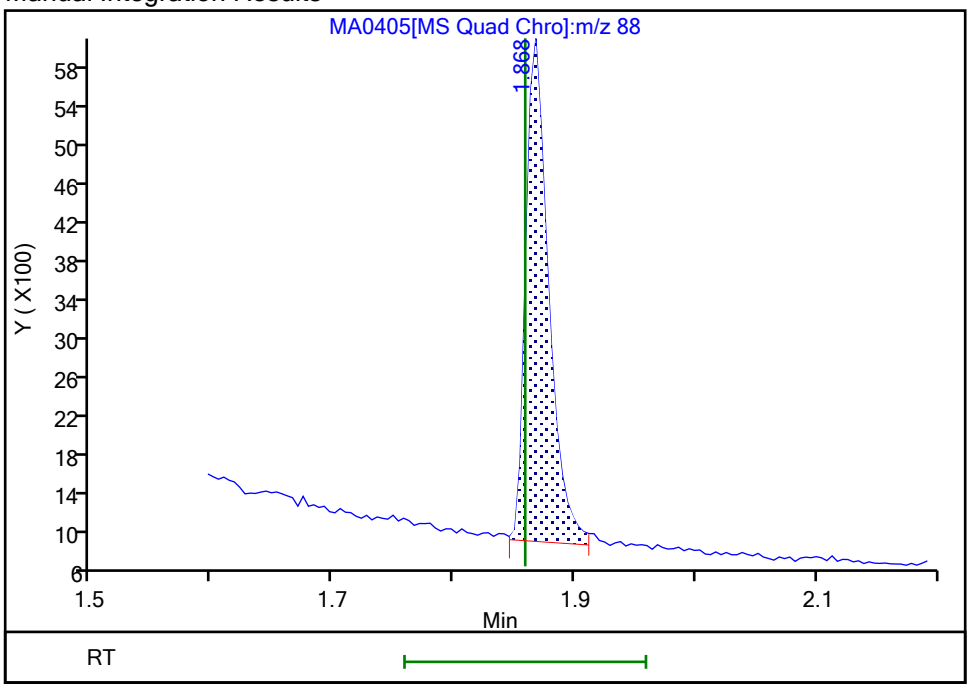
Processing Integration Results

RT: 1.87
Area: 10746
Amount: 0.063724
Amount Units: ug/ml



Manual Integration Results

RT: 1.87
Area: 6843
Amount: 0.044550
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 10:33:05
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

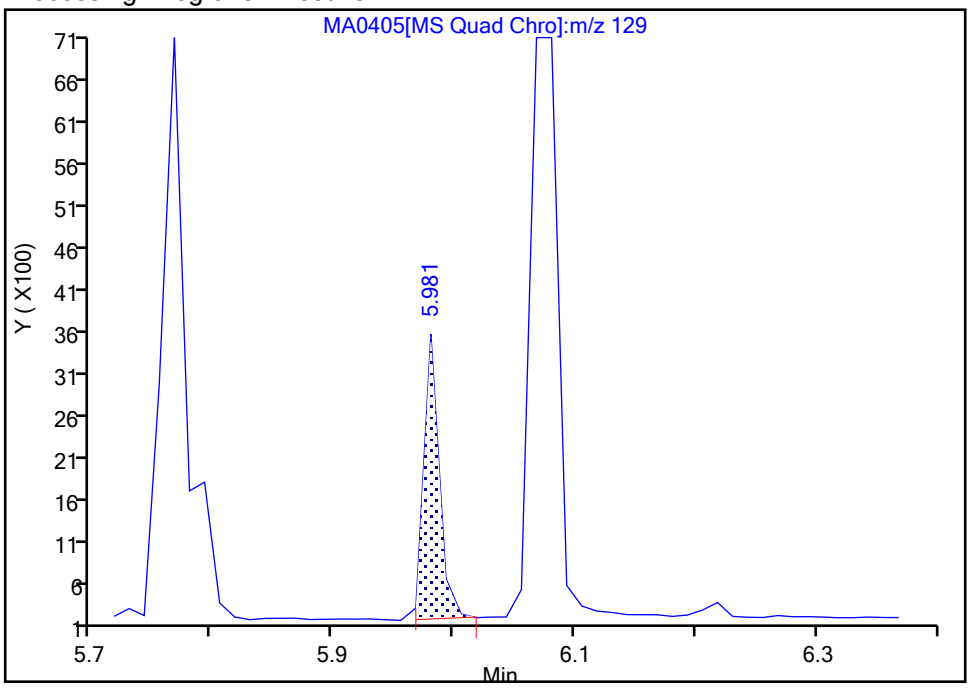
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0405.D		
Injection Date:	26-Jan-2023 09:24:44	Instrument ID:	HP21585
Lims ID:	IC L2		
Client ID:			
Operator ID:	jmg00346	ALS Bottle#:	0 Worklist Smp#: 6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

7 Quinoline, CAS: 91-22-5

Signal: 1

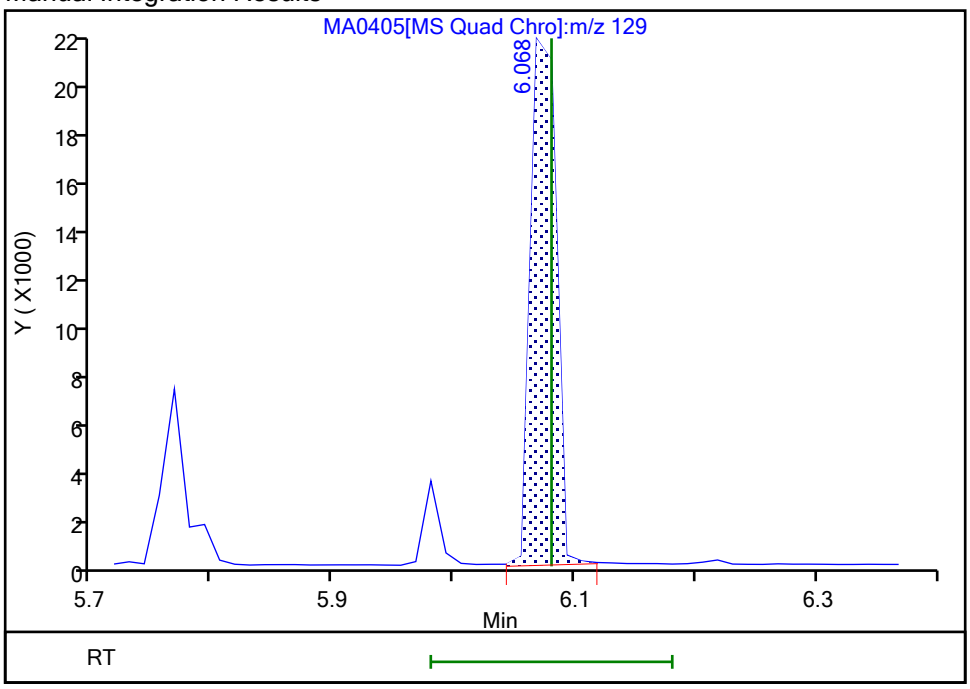
Processing Integration Results

RT: 5.98
Area: 2971
Amount: 0.033053
Amount Units: ug/ml



Manual Integration Results

RT: 6.07
Area: 31654
Amount: 0.044222
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 10:33:22
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

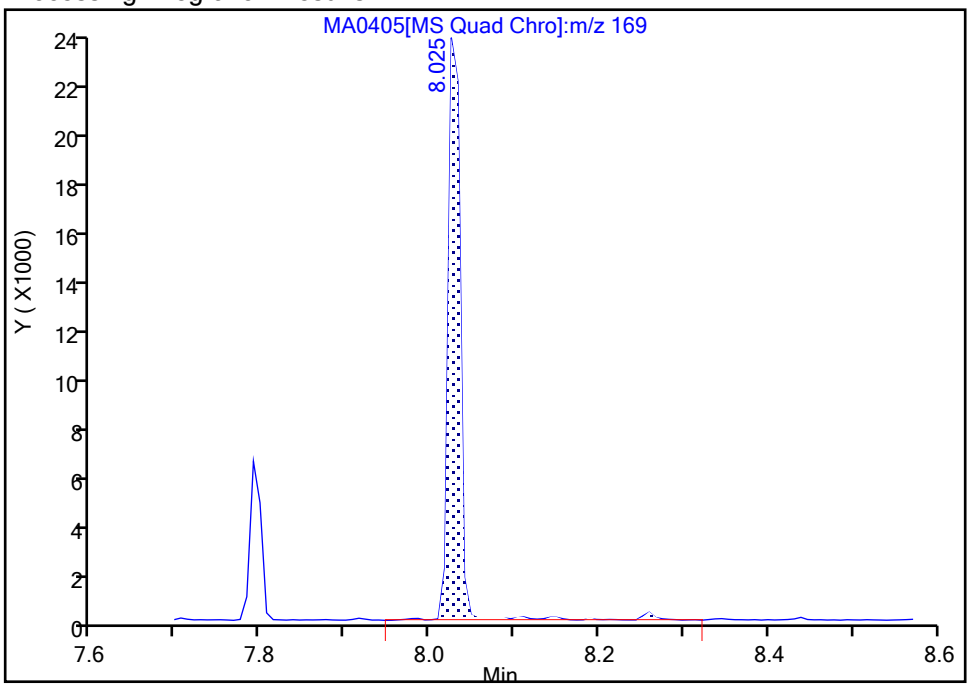
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0405.D				
Injection Date:	26-Jan-2023 09:24:44	Instrument ID:	HP21585		
Lims ID:	IC L2				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

18 N-Nitrosodiphenylamine, CAS: 86-30-6

Signal: 1

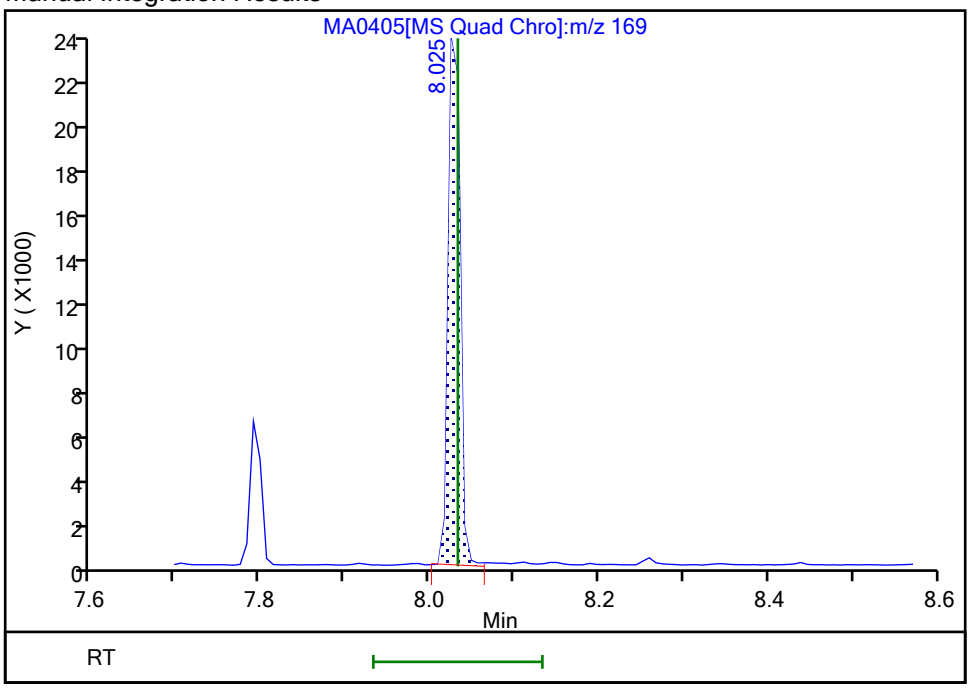
Processing Integration Results

RT: 8.03
Area: 24101
Amount: 0.049669
Amount Units: ug/ml



Manual Integration Results

RT: 8.03
Area: 22946
Amount: 0.046916
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 10:33:44
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

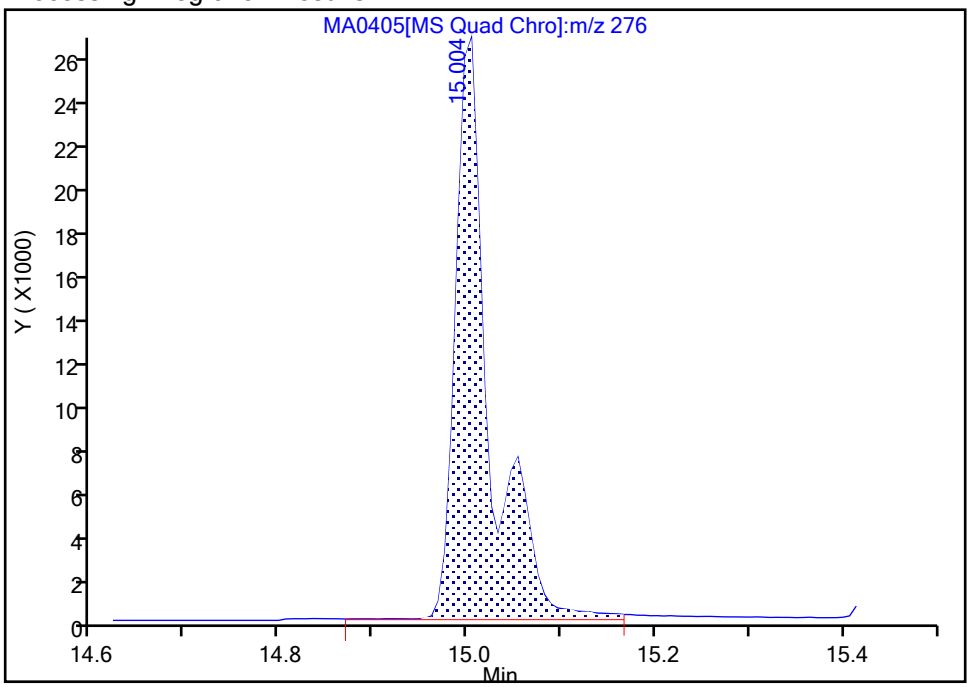
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0405.D				
Injection Date:	26-Jan-2023 09:24:44	Instrument ID:	HP21585		
Lims ID:	IC L2				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

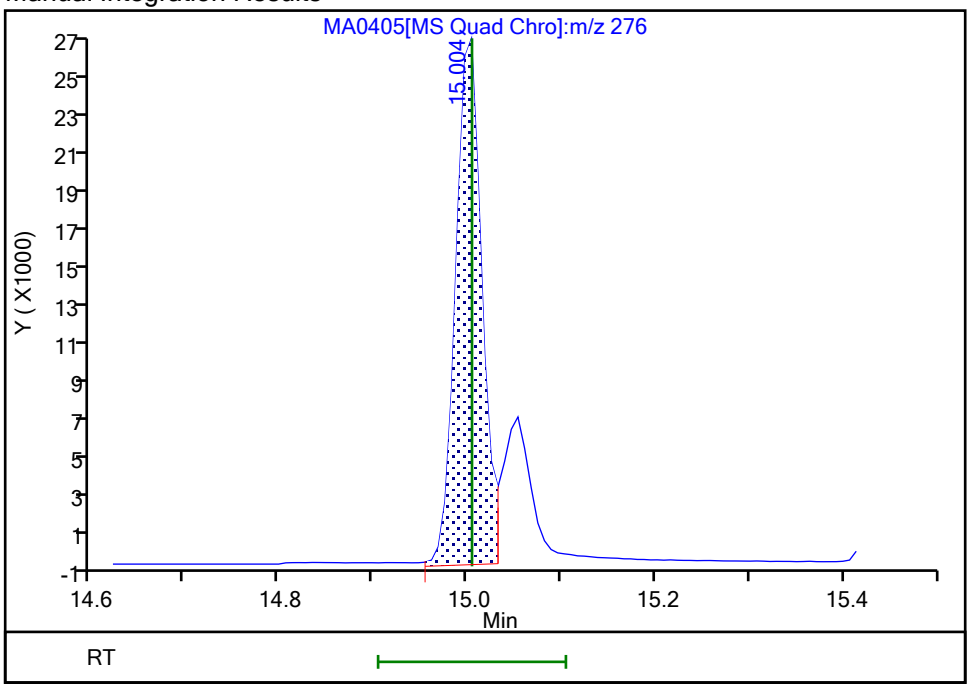
Processing Integration Results

RT: 15.00
Area: 67561
Amount: 0.060246
Amount Units: ug/ml



Manual Integration Results

RT: 15.00
Area: 50882
Amount: 0.047161
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 10:32:55

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Jan-2023 09:46:08 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0075813-007
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 27-Jan-2023 03:26:17 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: UJM0 Date: 26-Jan-2023 10:34:50

	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	1.876	1.876	0.000	86	1251	0.0100	0.0102	M
	2 N-Nitrosodimethylamine	74	2.161	2.161	0.000	87	1112	0.0100	0.009899	
	3 Bis(2-chloroethyl)ether	93	4.294	4.294	0.000	89	2797	0.0100	0.0107	
*	4 1,4-Dichlorobenzene-d4	152	4.556	4.556	0.000	99	71264	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.743	5.743	0.000	91	242202	0.2500	0.2500	
	6 Naphthalene	128	5.768	5.768	0.000	92	22817	0.0100	0.0102	
	7 Quinoline	129	6.068	6.068	0.000	97	7535	0.0100	0.0132	M
	8 2-Methylnaphthalene	142	6.417	6.417	0.000	94	9578	0.0100	0.0135	
$	9 1-Methylnaphthalene-d10	152	6.476	6.476	0.000	97	5343	0.0100	0.0106	
	10 1-Methylnaphthalene	142	6.506	6.506	0.000	97	7833	0.0100	0.0124	
	11 Dimethyl phthalate	163	7.146	7.146	0.000	75	159641	0.2500	0.2504	
	12 Acenaphthylene	152	7.264	7.264	0.000	97	9394	0.0100	0.0104	
*	13 Acenaphthene-d10	164	7.402	7.402	0.000	87	130175	0.2500	0.2500	
	14 Acenaphthene	154	7.432	7.432	0.000	86	7407	0.0100	0.0128	
	15 Dibenzofuran	168	7.599	7.599	0.000	83	11997	0.0100	0.0126	
	16 Diethyl phthalate	149	7.814	7.814	0.000	98	132169	0.2500	0.2393	
	17 Fluorene	166	7.916	7.916	0.000	97	8922	0.0100	0.0125	
	18 N-Nitrosodiphenylamine	169	8.025	8.025	0.000	100	4255	0.0100	0.0109	M
	19 Hexachlorobenzene	284	8.439	8.439	0.000	91	2956	0.0100	0.0112	
*	20 Phenanthrene-d10	188	8.806	8.806	0.000	95	233056	0.2500	0.2500	
	21 Phenanthrene	178	8.821	8.821	0.000	100	17068	0.0100	0.0101	
	22 Anthracene	178	8.876	8.876	0.000	100	10240	0.0100	0.0112	
	23 Di-n-butyl phthalate	149	9.374	9.374	0.000	100	193349	0.2500	0.2477	
$	24 Fluoranthene-d10 (Surr)	212	9.938	9.938	0.000	97	9208	0.0100	0.0103	
	25 Fluoranthene	202	9.951	9.951	0.000	99	13643	0.0100	0.0122	
	26 Pyrene	202	10.170	10.170	0.000	98	13469	0.0100	0.0126	
	27 Butyl benzyl phthalate	149	10.849	10.849	0.000	100	59335	0.2500	0.2100	
	28 Benzo[a]anthracene	228	11.447	11.447	0.000	100	9603	0.0100	0.0112	
*	29 Chrysene-d12	240	11.462	11.462	0.000	58	177703	0.2500	0.2500	
	30 Chrysene	228	11.485	11.485	0.000	100	10933	0.0100	0.0114	

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	11.539	11.539	0.000	99	77493	0.2500	0.2056	
32 Di-n-octyl phthalate	149	12.398	12.398	0.000	100	120443	0.2500	0.2149	
33 Benzo[b]fluoranthene	252	12.851	12.851	0.000	100	10096	0.0100	0.0118	
34 Benzo[k]fluoranthene	252	12.889	12.889	0.000	100	9649	0.0100	0.0113	
35 Benzo[e]pyrene	252	13.234	13.234	0.000	100	9912	0.0100	0.0118	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.272	13.272	0.000	99	6183	0.0100	0.0104	
37 Benzo[a]pyrene	252	13.311	13.311	0.000	100	7704	0.0100	0.0101	
* 38 Perylene-d12	264	13.395	13.395	0.000	100	179947	0.2500	0.2500	
39 Perylene	252	13.426	13.426	0.000	100	9208	0.0100	0.0109	M
40 Indeno[1,2,3-cd]pyrene	276	14.997	14.997	0.000	100	8754	0.0100	0.0111	M
41 Dibenz(a,h)anthracene	278	15.054	15.054	0.000	95	9419	0.0100	0.0107	
42 Benzo[g,h,i]perylene	276	15.449	15.449	0.000	96	10914	0.0100	0.0114	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_1_00020 Amount Added: 1.00 Units: mL

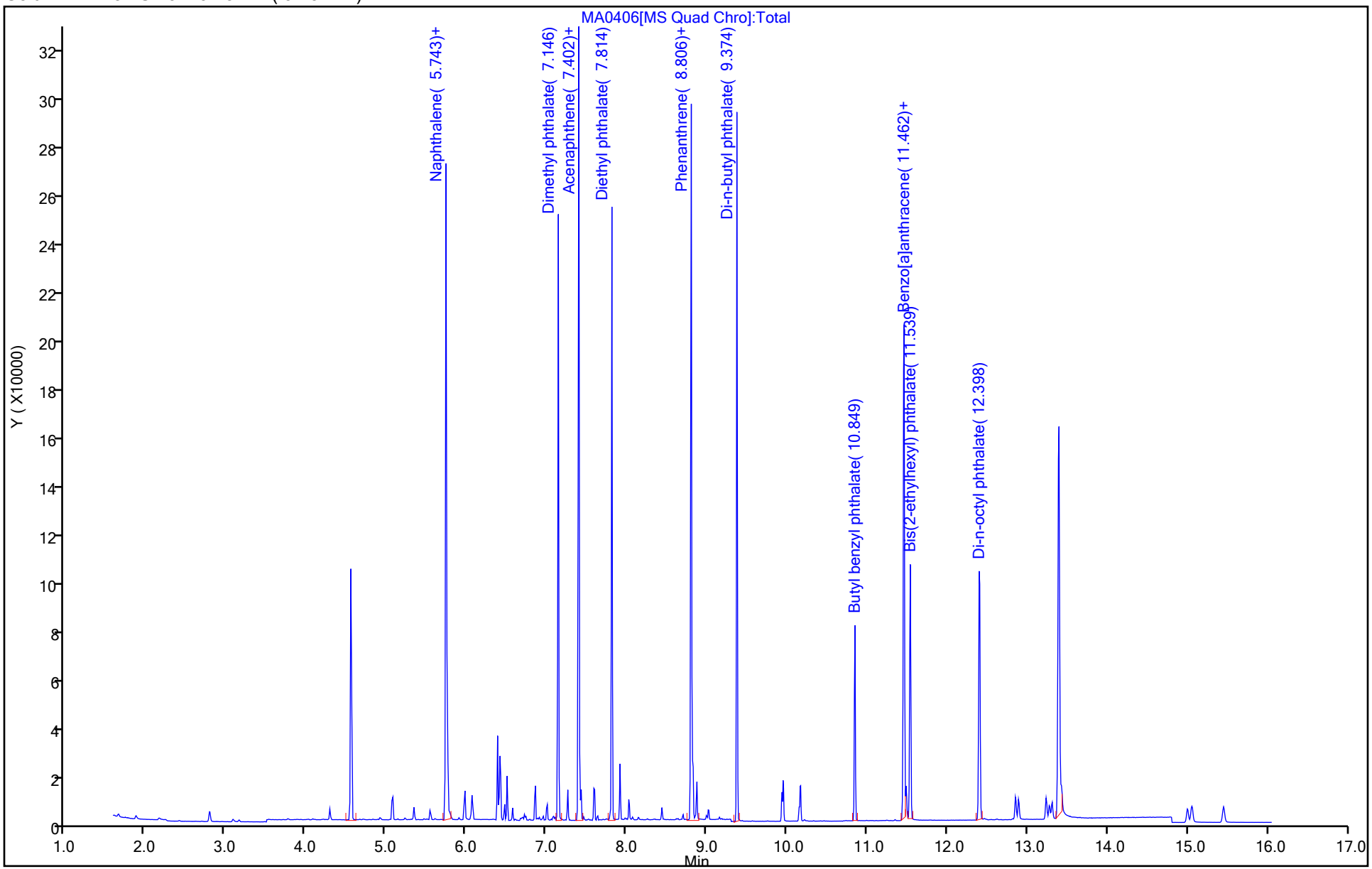
Report Date: 27-Jan-2023 03:26:18 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Injection Date:	26-Jan-2023 09:46:08	Instrument ID:	HP21585	Operator ID:	jmg00346
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

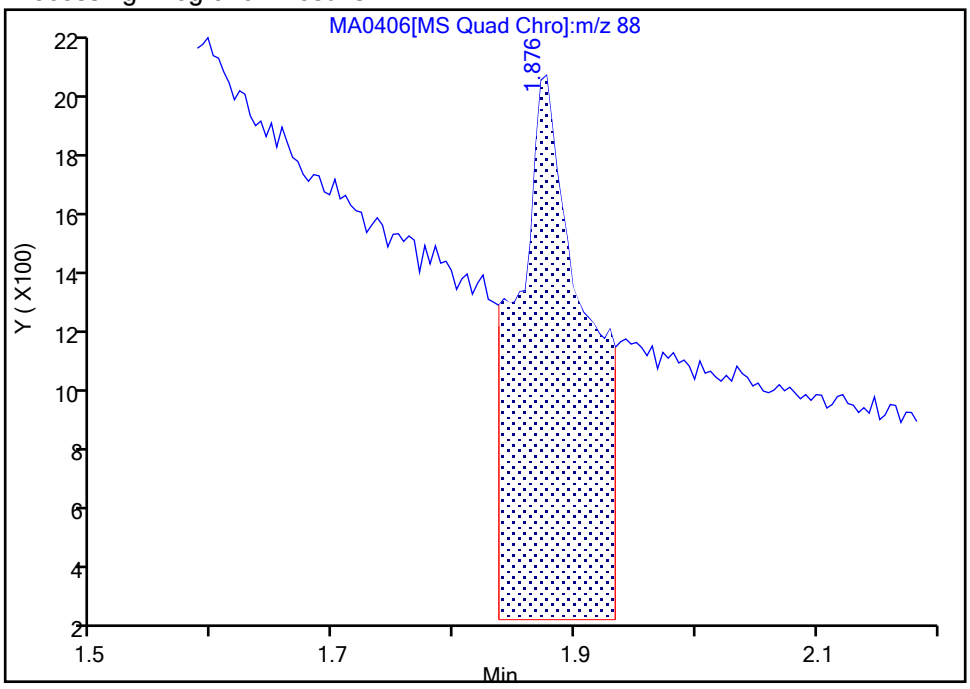
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D
Injection Date: 26-Jan-2023 09:46:08 Instrument ID: HP21585
Lims ID: IC L1
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 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

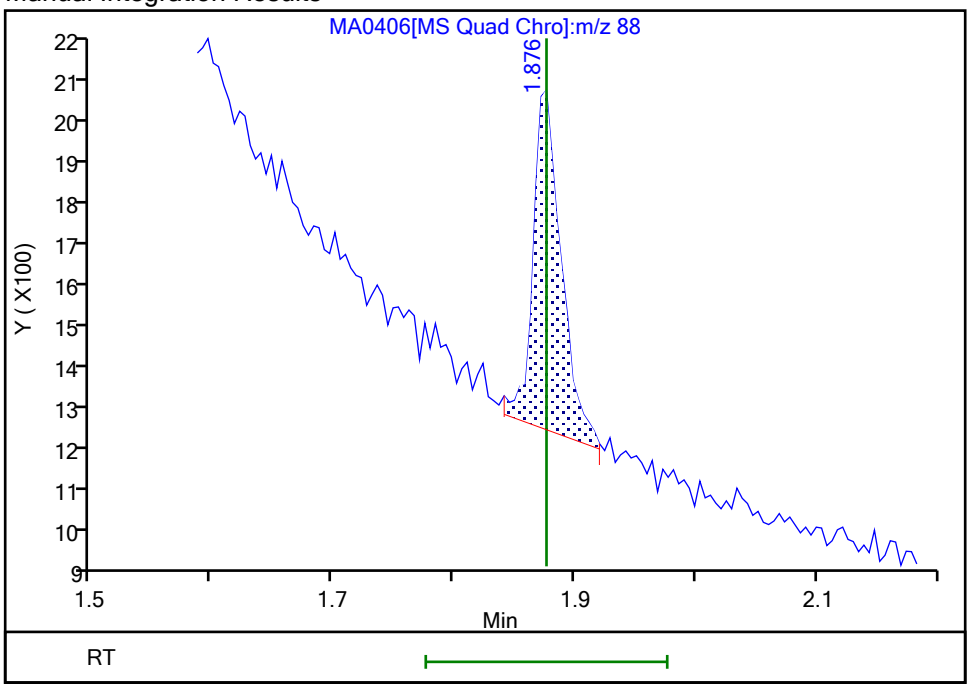
Processing Integration Results

RT: 1.88
Area: 6583
Amount: 0.031103
Amount Units: ug/ml



Manual Integration Results

RT: 1.88
Area: 1251
Amount: 0.010189
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 10:34:05
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

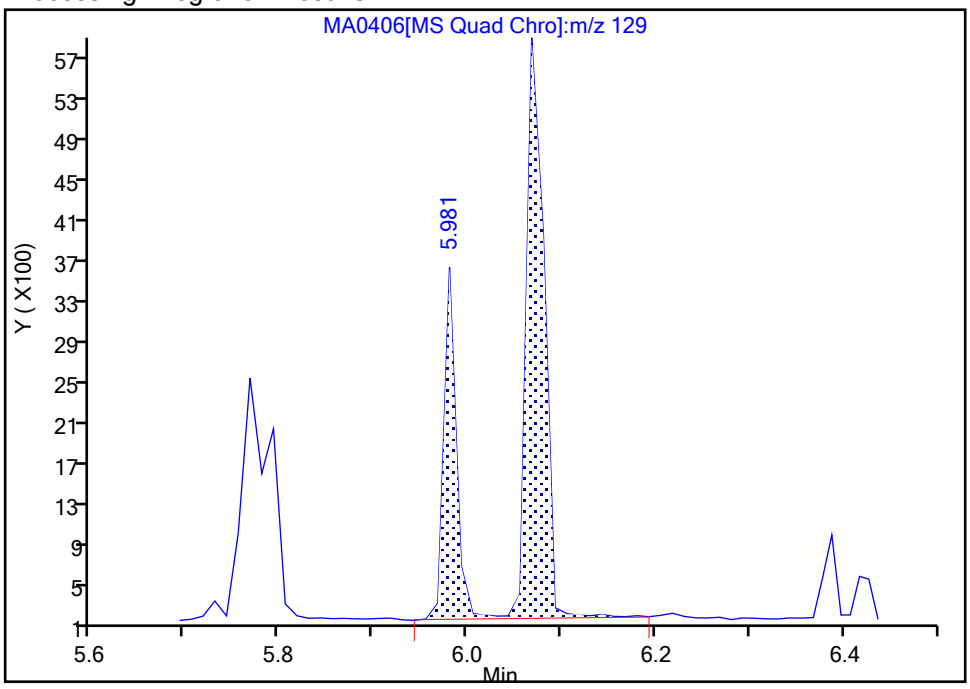
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Injection Date:	26-Jan-2023 09:46:08	Instrument ID:	HP21585		
Lims ID:	IC L1				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

7 Quinoline, CAS: 91-22-5

Signal: 1

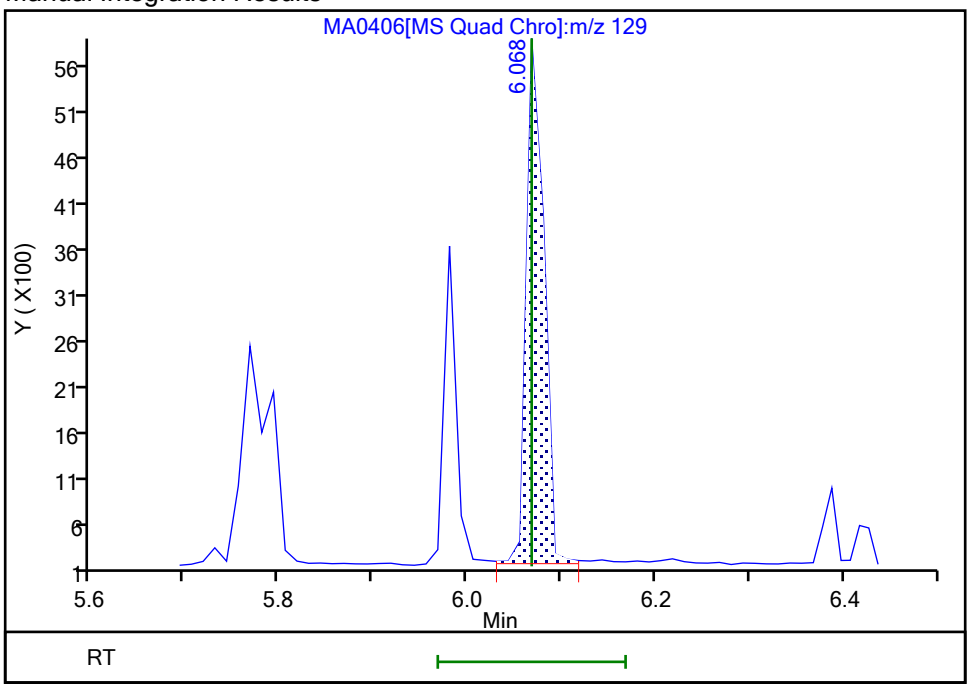
Processing Integration Results

RT: 5.98
Area: 10735
Amount: 0.012248
Amount Units: ug/ml



Manual Integration Results

RT: 6.07
Area: 7535
Amount: 0.013220
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 10:34:13
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

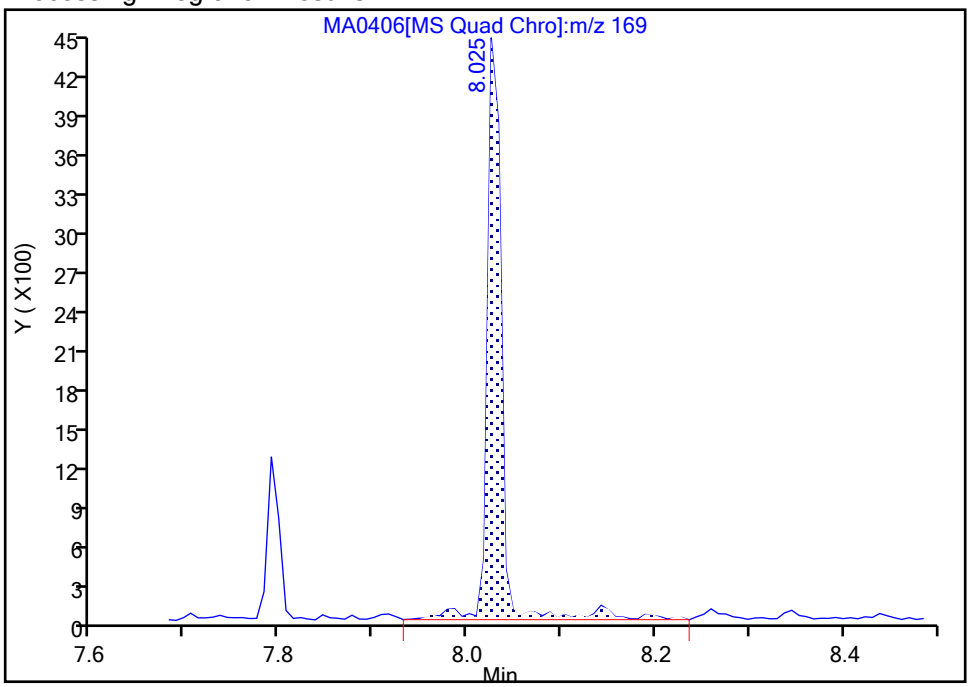
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D		
Injection Date:	26-Jan-2023 09:46:08	Instrument ID:	HP21585
Lims ID:	IC L1		
Client ID:			
Operator ID:	jmg00346	ALS Bottle#:	0 Worklist Smp#: 7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

18 N-Nitrosodiphenylamine, CAS: 86-30-6

Signal: 1

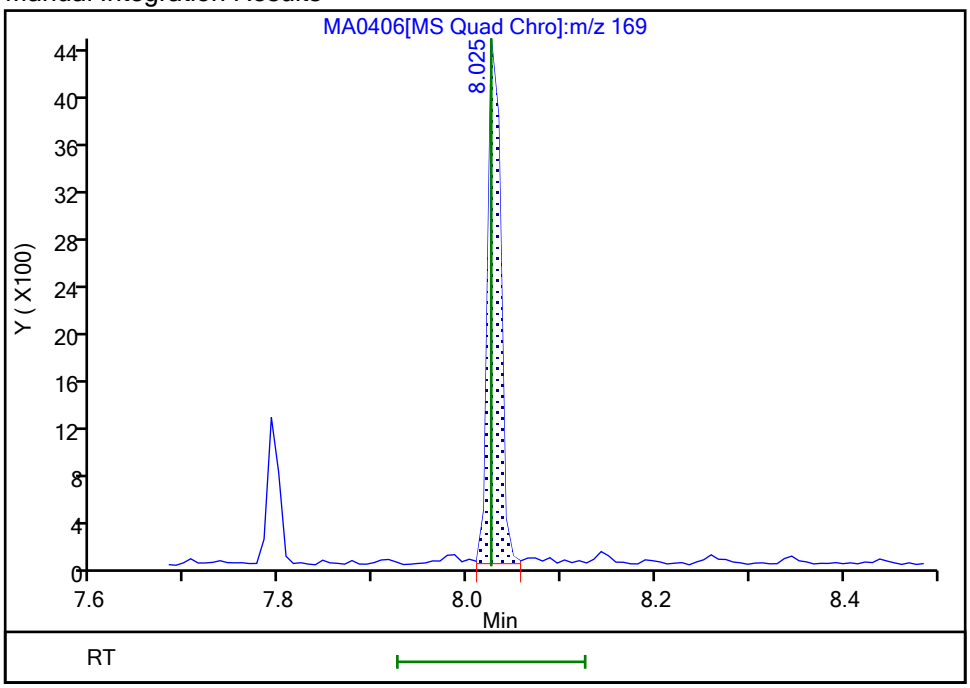
Processing Integration Results

RT: 8.03
Area: 4758
Amount: 0.011896
Amount Units: ug/ml



Manual Integration Results

RT: 8.03
Area: 4255
Amount: 0.010866
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 10:33:57
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

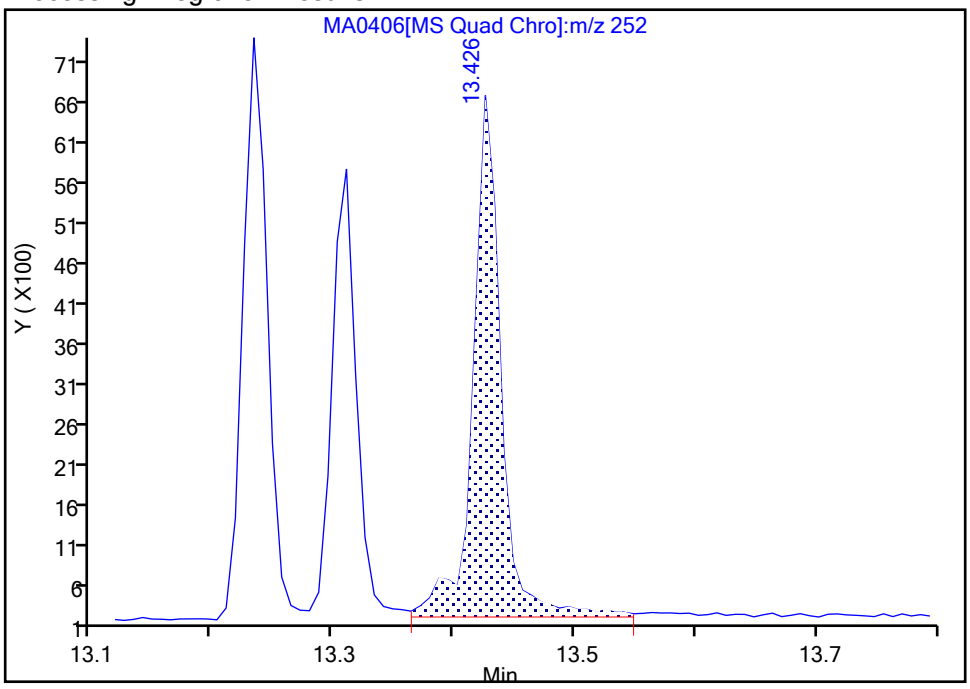
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D		
Injection Date:	26-Jan-2023 09:46:08	Instrument ID:	HP21585
Lims ID:	IC L1		
Client ID:			
Operator ID:	jmg00346	ALS Bottle#:	0 Worklist Smp#: 7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

39 Perylene, CAS: 198-55-0

Signal: 1

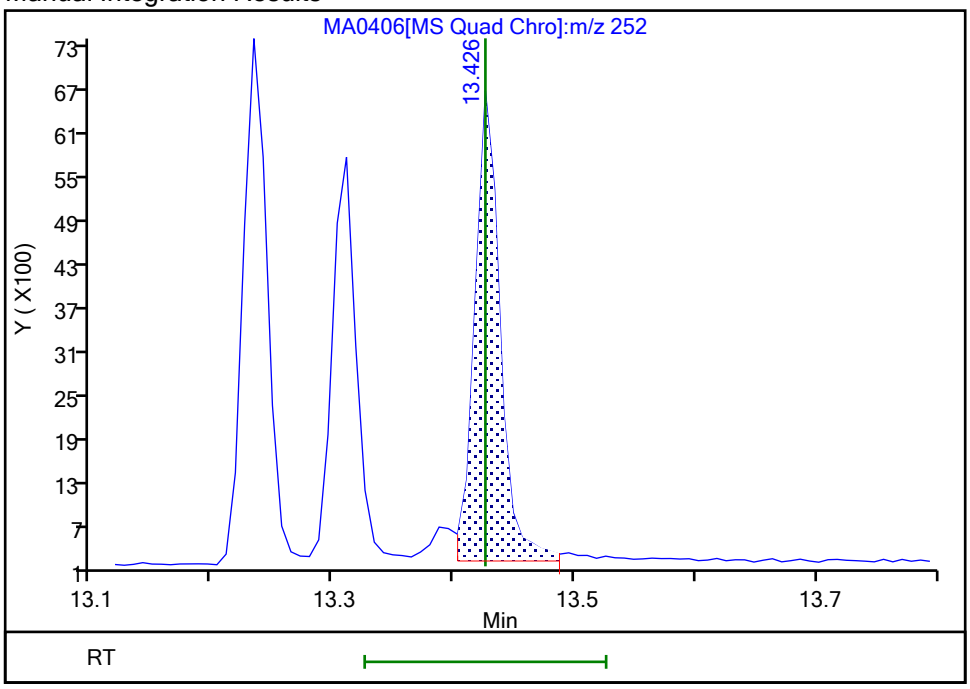
Processing Integration Results

RT: 13.43
Area: 10243
Amount: 0.011857
Amount Units: ug/ml



Manual Integration Results

RT: 13.43
Area: 9208
Amount: 0.010876
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 10:34:48
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

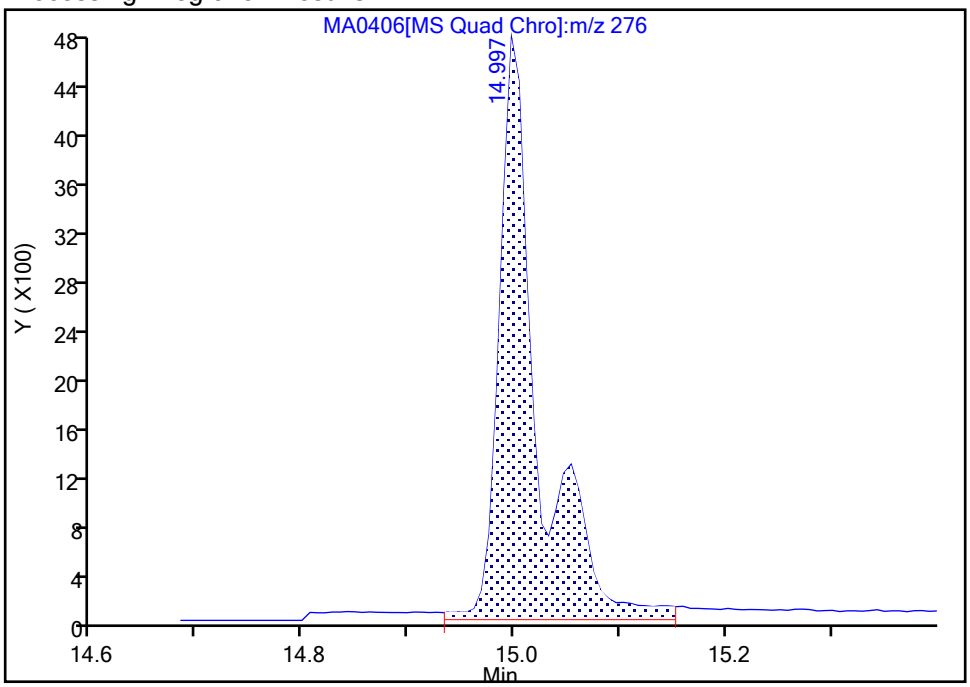
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Injection Date:	26-Jan-2023 09:46:08	Instrument ID:	HP21585		
Lims ID:	IC L1				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

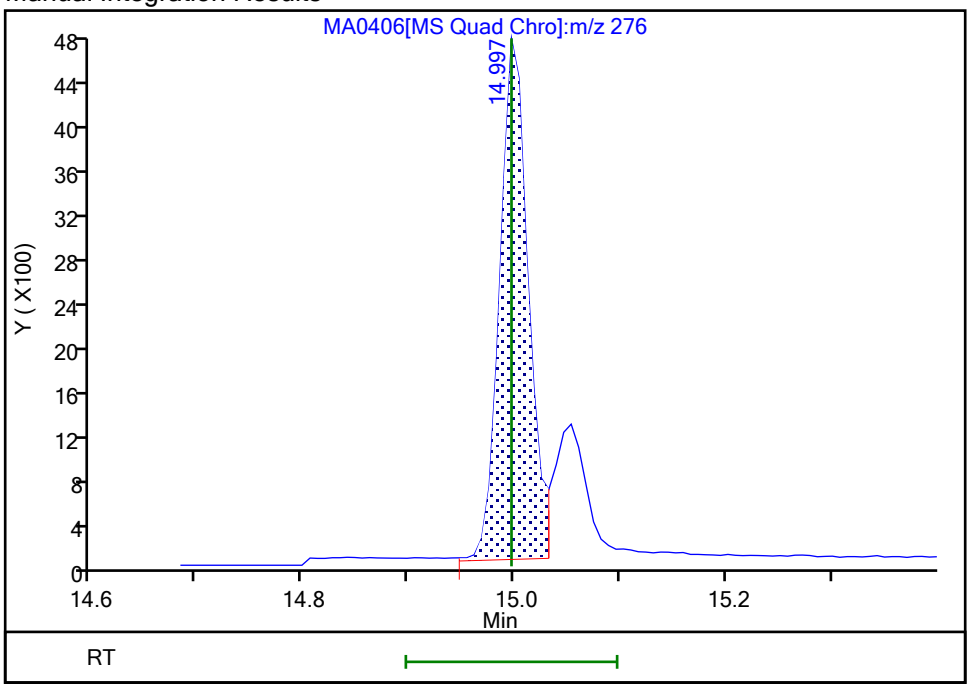
Processing Integration Results

RT: 15.00
Area: 12230
Amount: 0.010273
Amount Units: ug/ml



Manual Integration Results

RT: 15.00
Area: 8754
Amount: 0.011121
Amount Units: ug/ml



Reviewer: UJM0, 26-Jan-2023 10:34:35

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

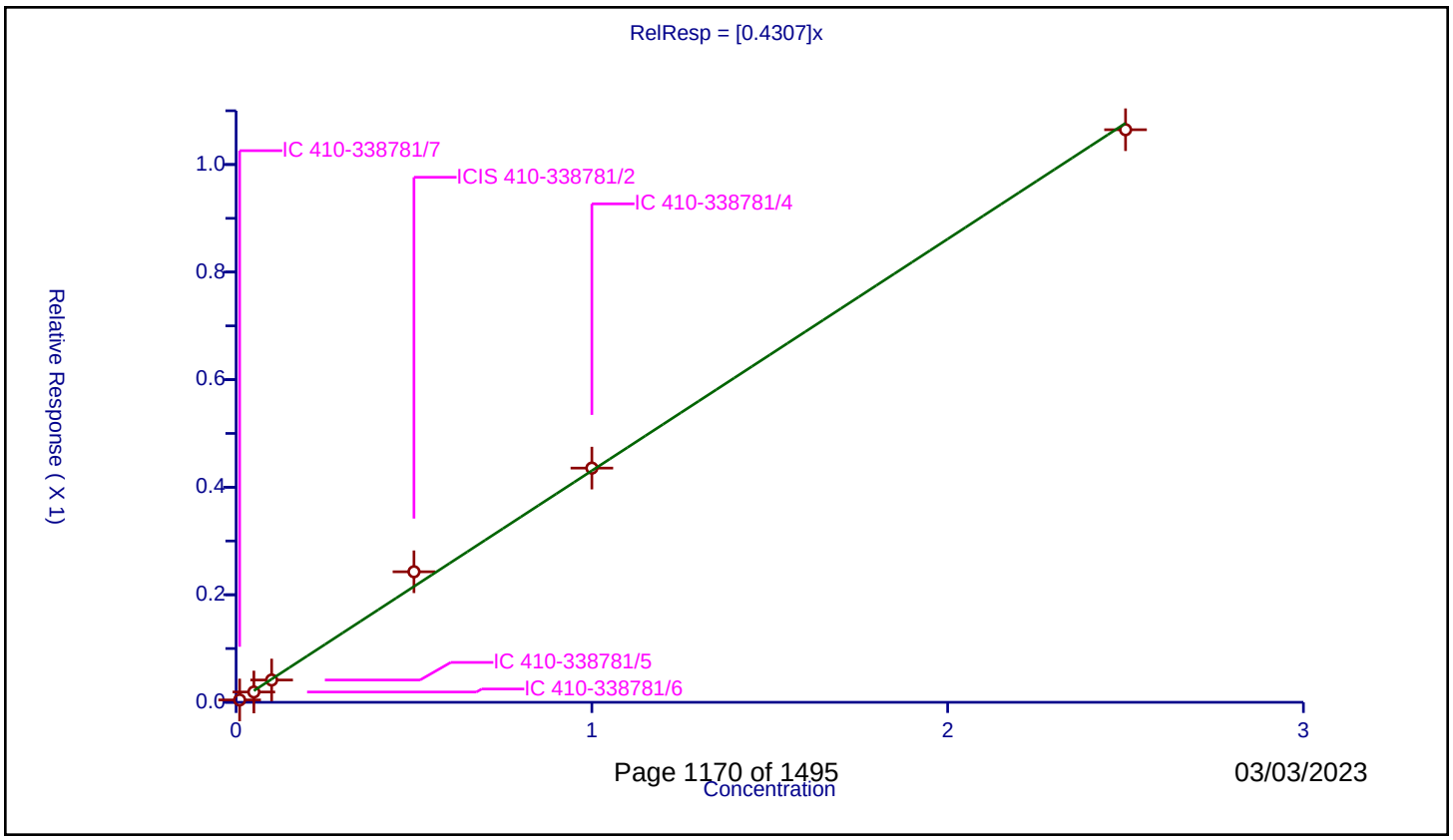
Curve Coefficients

Intercept:	0
Slope:	0.4307

Error Coefficients

Standard Error:	178000
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 410-338781/7	0.01	0.004389	0.25	71264.0	0.438861	Y
2	IC 410-338781/6	0.05	0.019189	0.25	89152.0	0.383783	Y
3	IC 410-338781/5	0.1	0.041477	0.25	87537.0	0.414767	Y
4	ICIS 410-338781/2	0.5	0.242781	0.25	77300.0	0.485563	Y
5	IC 410-338781/4	1.0	0.43552	0.25	84324.0	0.43552	Y
6	IC 410-338781/3	2.5	1.064729	0.25	85163.0	0.425892	Y



Calibration / N-Nitrosodimethylamine

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

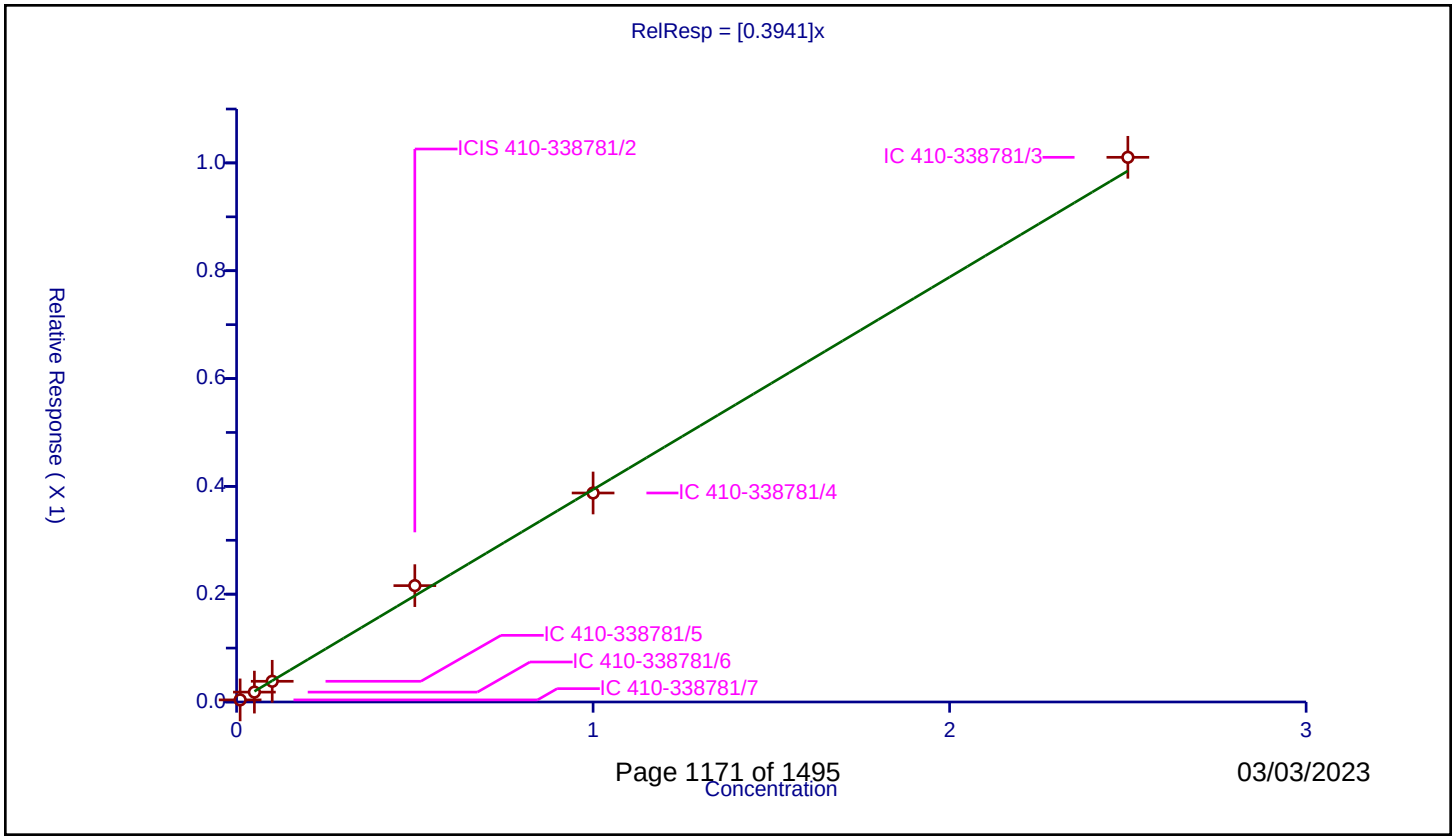
Curve Coefficients

Intercept:	0
Slope:	0.3941

Error Coefficients

Standard Error:	167000
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 410-338781/7	0.01	0.003901	0.25	71264.0	0.390099	Y
2	IC 410-338781/6	0.05	0.018337	0.25	89152.0	0.366733	Y
3	IC 410-338781/5	0.1	0.038421	0.25	87537.0	0.384209	Y
4	ICIS 410-338781/2	0.5	0.215838	0.25	77300.0	0.431675	Y
5	IC 410-338781/4	1.0	0.387707	0.25	84324.0	0.387707	Y
6	IC 410-338781/3	2.5	1.010412	0.25	85163.0	0.404165	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

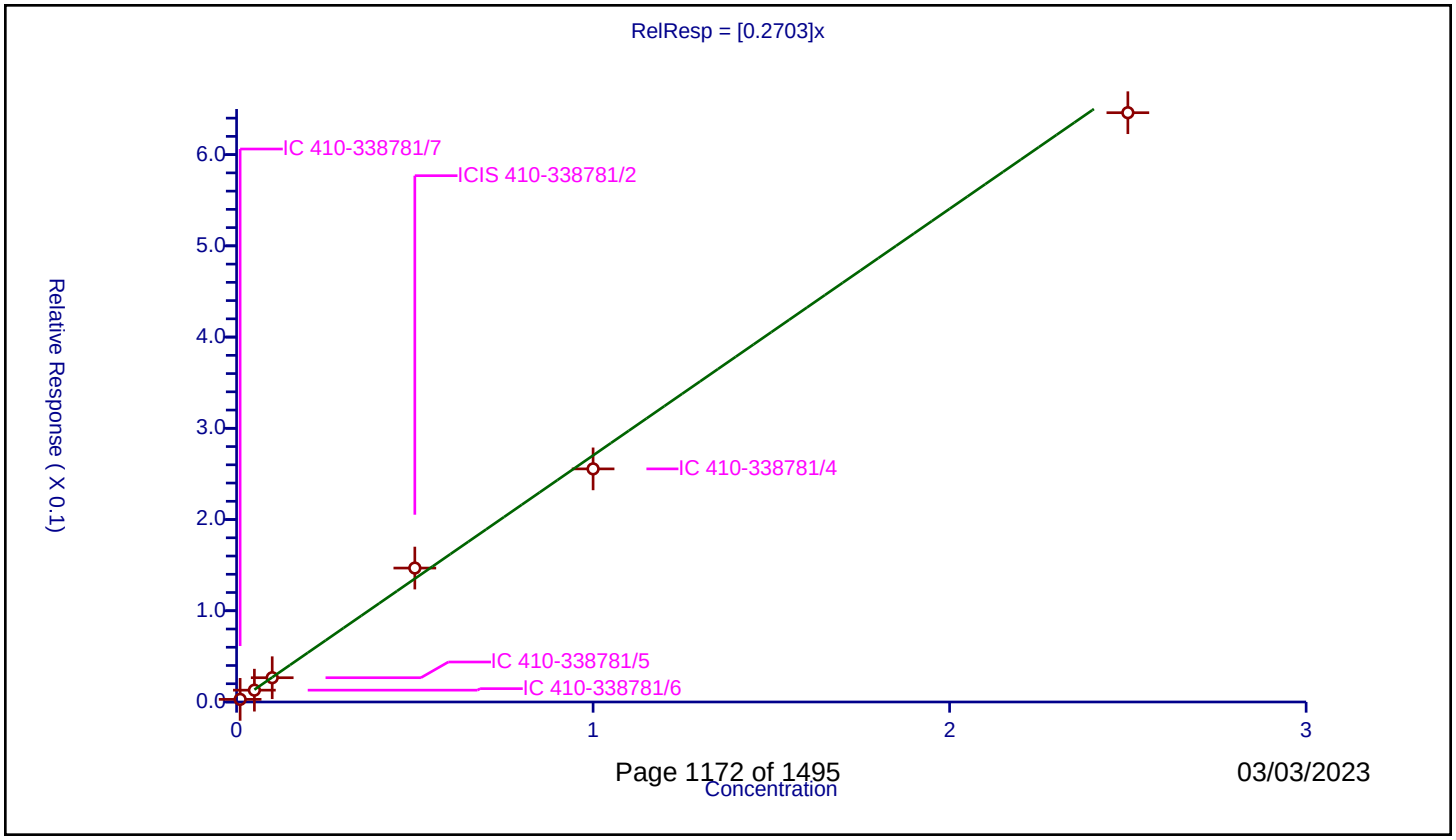
Curve Coefficients

Intercept:	0
Slope:	0.2703

Error Coefficients

Standard Error:	369000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.002887	0.25	242202.0	0.288705	Y
2	IC 410-338781/6	0.05	0.012961	0.25	304159.0	0.259223	Y
3	IC 410-338781/5	0.1	0.026628	0.25	295237.0	0.266278	Y
4	ICIS 410-338781/2	0.5	0.146817	0.25	257606.0	0.293634	Y
5	IC 410-338781/4	1.0	0.255536	0.25	291561.0	0.255536	Y
6	IC 410-338781/3	2.5	0.645954	0.25	291905.0	0.258382	Y



Calibration / Naphthalene

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

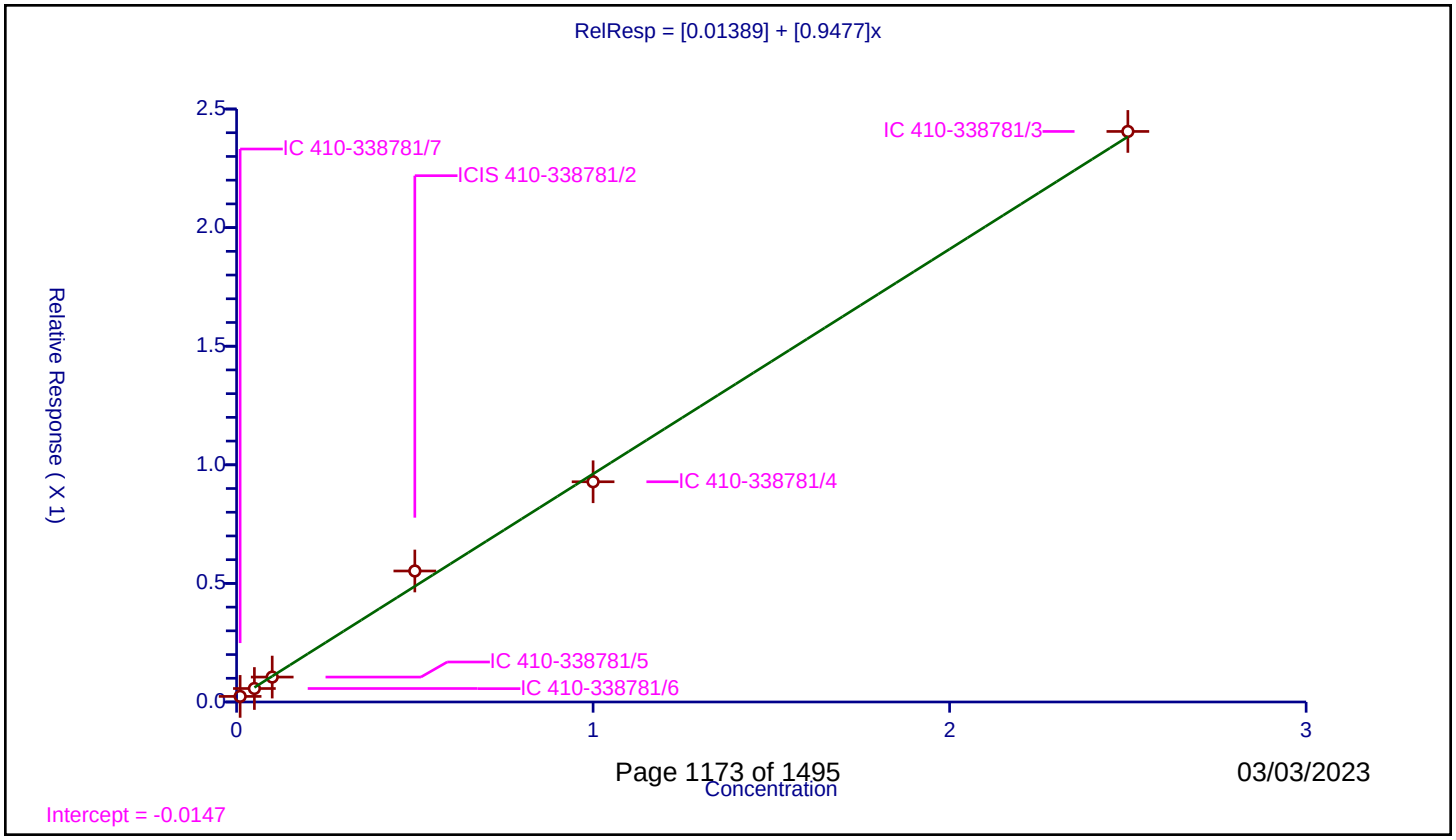
Curve Coefficients

Intercept:	0.01389
Slope:	0.9477

Error Coefficients

Standard Error:	1530000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.023552	0.25	242202.0	2.355162	Y
2	IC 410-338781/6	0.05	0.056856	0.25	304159.0	1.137119	Y
3	IC 410-338781/5	0.1	0.10511	0.25	295237.0	1.051105	Y
4	ICIS 410-338781/2	0.5	0.55231	0.25	257606.0	1.104619	Y
5	IC 410-338781/4	1.0	0.928438	0.25	291561.0	0.928438	Y
6	IC 410-338781/3	2.5	2.405399	0.25	291905.0	0.96216	Y



Calibration / Quinoline

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

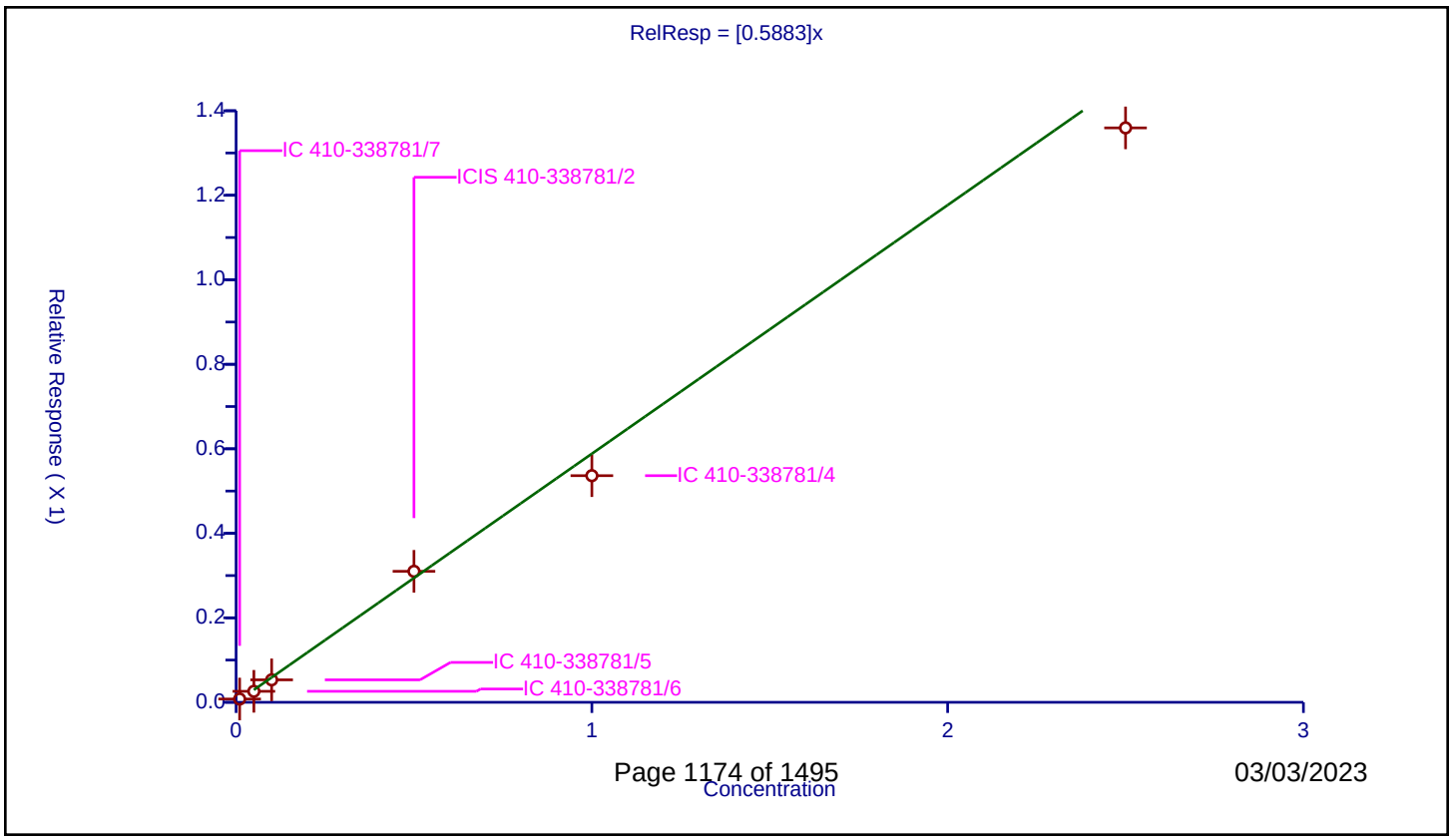
Curve Coefficients

Intercept:	0
Slope:	0.5883

Error Coefficients

Standard Error:	777000
Relative Standard Error:	16.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.007778	0.25	242202.0	0.77776	Y
2	IC 410-338781/6	0.05	0.026018	0.25	304159.0	0.520353	Y
3	IC 410-338781/5	0.1	0.053173	0.25	295237.0	0.531734	Y
4	ICIS 410-338781/2	0.5	0.310013	0.25	257606.0	0.620026	Y
5	IC 410-338781/4	1.0	0.536356	0.25	291561.0	0.536356	Y
6	IC 410-338781/3	2.5	1.359484	0.25	291905.0	0.543794	Y



Calibration / 2-Methylnaphthalene

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

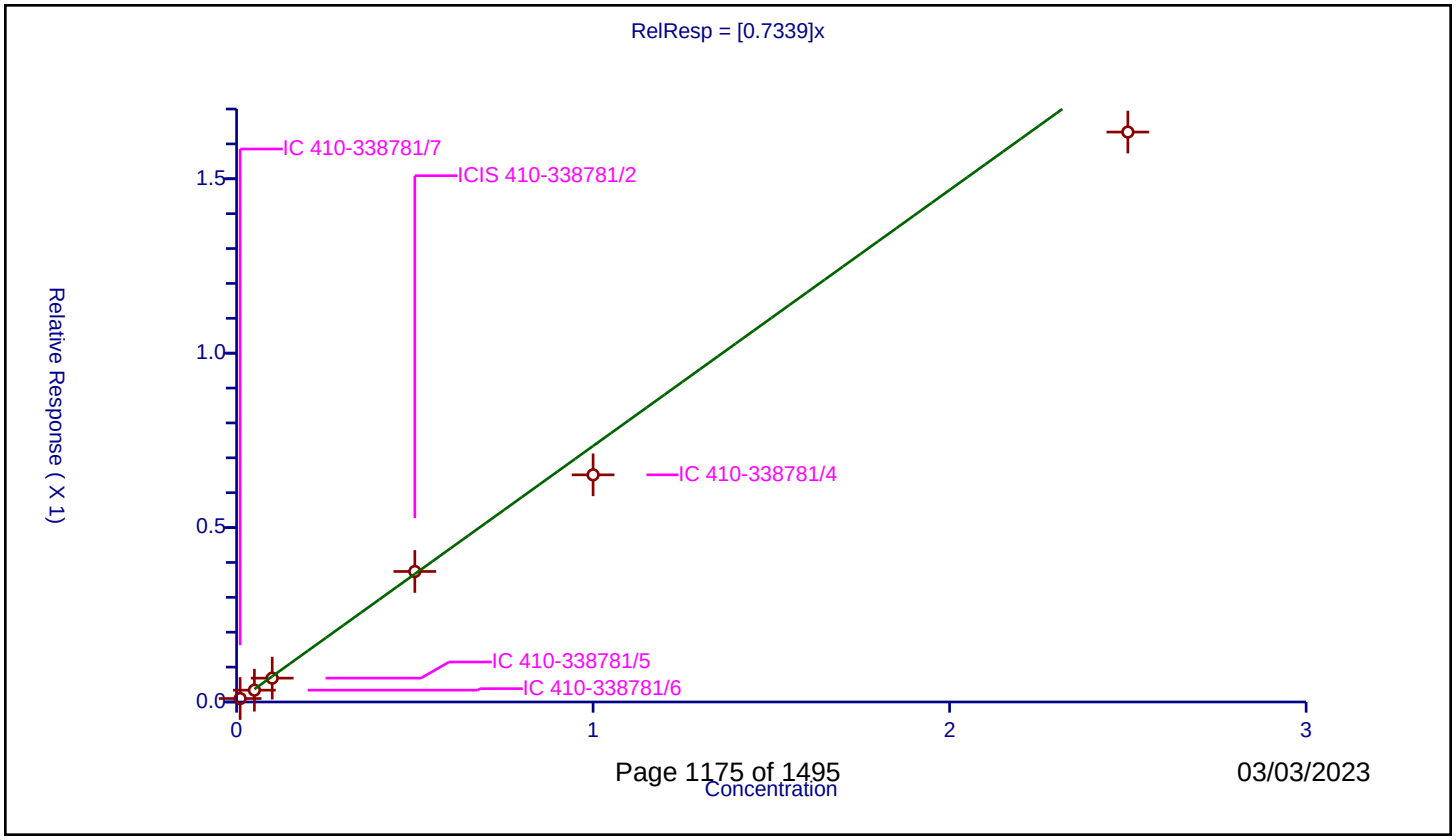
Curve Coefficients

Intercept:	0
Slope:	0.7339

Error Coefficients

Standard Error:	935000
Relative Standard Error:	17.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.009886	0.25	242202.0	0.988638	Y
2	IC 410-338781/6	0.05	0.033907	0.25	304159.0	0.678132	Y
3	IC 410-338781/5	0.1	0.068365	0.25	295237.0	0.683646	Y
4	ICIS 410-338781/2	0.5	0.374156	0.25	257606.0	0.748311	Y
5	IC 410-338781/4	1.0	0.651269	0.25	291561.0	0.651269	Y
6	IC 410-338781/3	2.5	1.633955	0.25	291905.0	0.653582	Y



Calibration / 1-Methylnaphthalene-d10

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

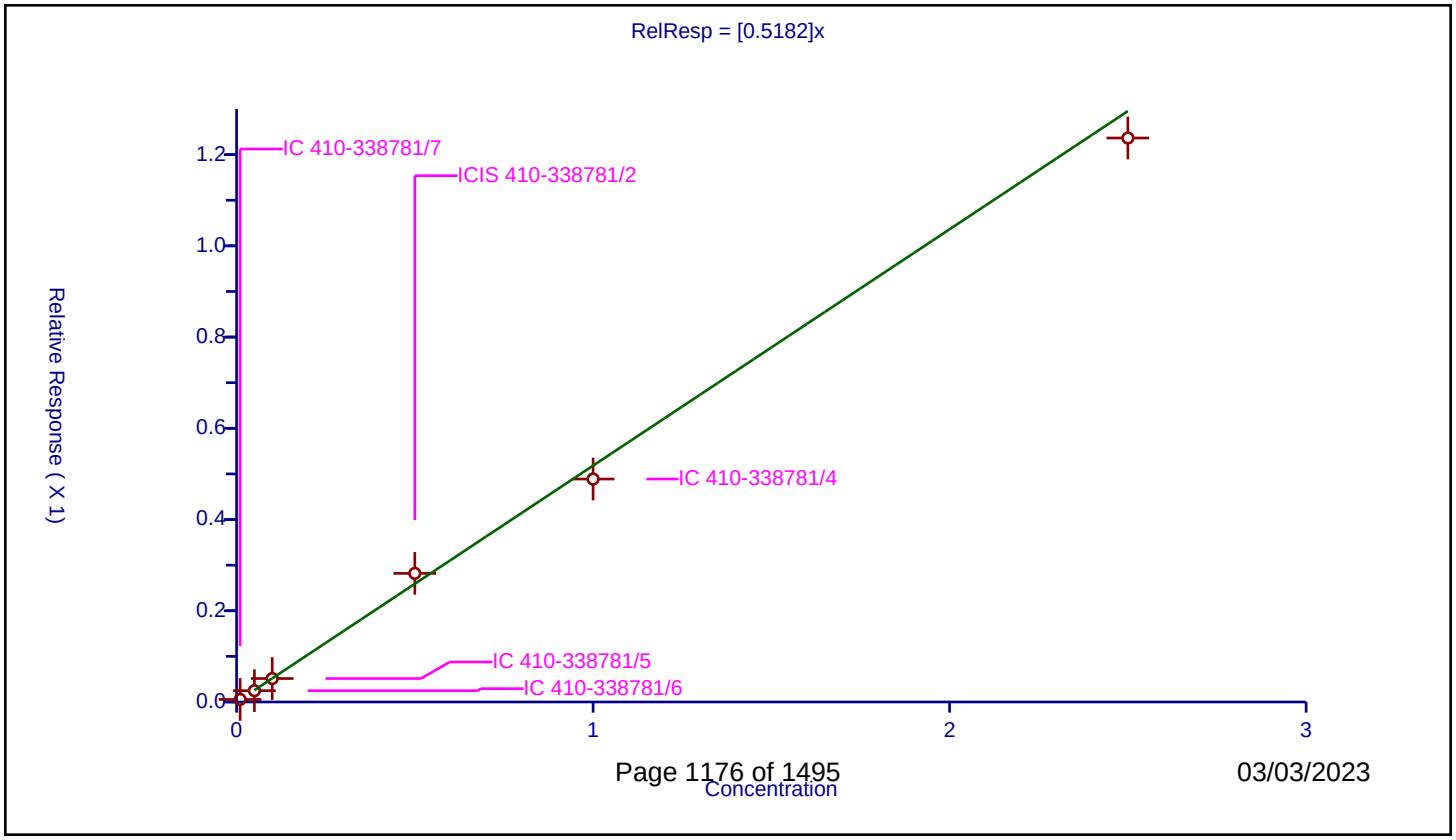
Curve Coefficients

Intercept:	0
Slope:	0.5182

Error Coefficients

Standard Error:	707000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.005515	0.25	242202.0	0.551502	Y
2	IC 410-338781/6	0.05	0.024801	0.25	304159.0	0.496023	Y
3	IC 410-338781/5	0.1	0.051425	0.25	295237.0	0.514248	Y
4	ICIS 410-338781/2	0.5	0.281928	0.25	257606.0	0.563855	Y
5	IC 410-338781/4	1.0	0.488796	0.25	291561.0	0.488796	Y
6	IC 410-338781/3	2.5	1.236431	0.25	291905.0	0.494572	Y



Calibration / 1-Methylnaphthalene

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

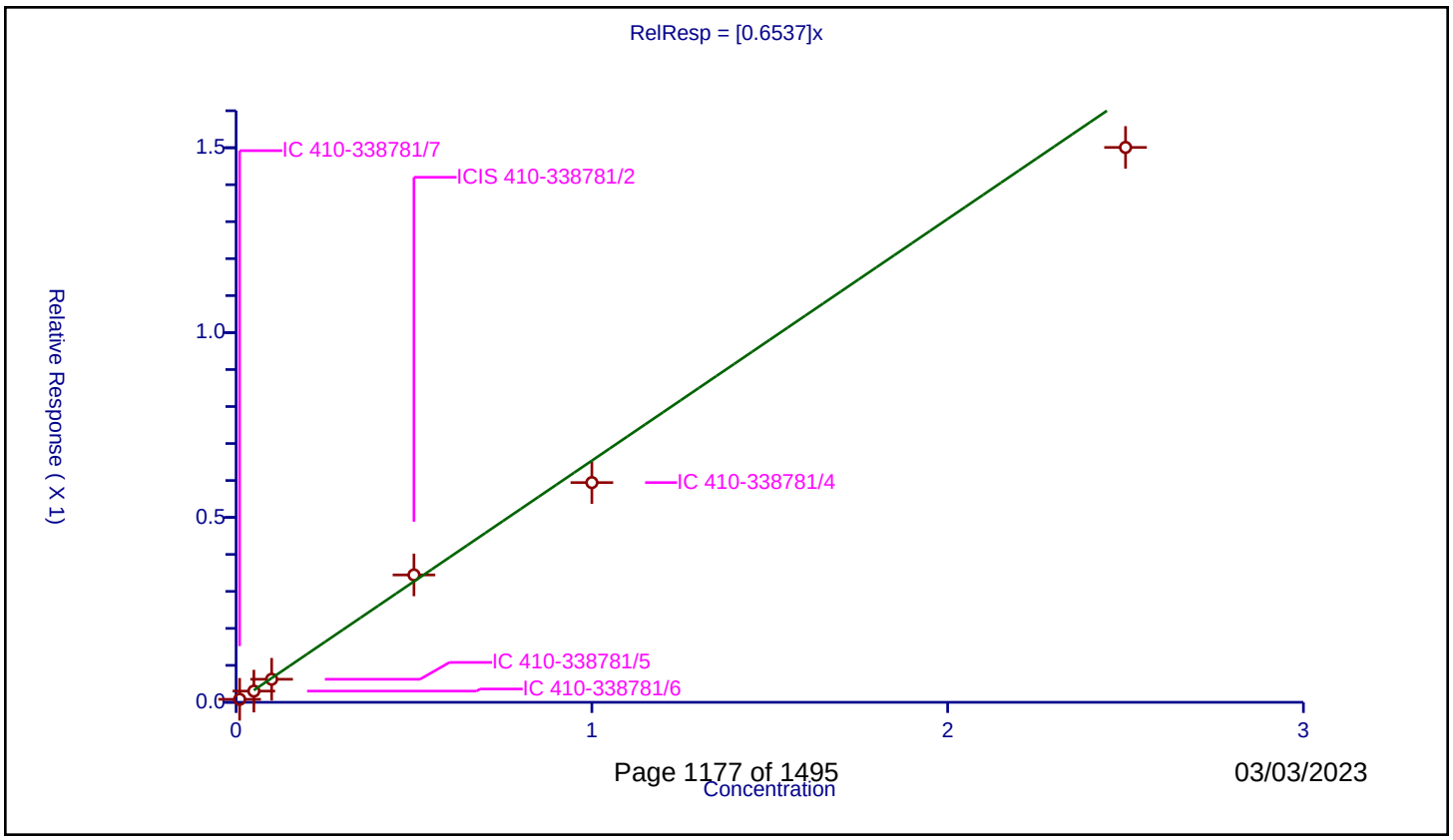
Curve Coefficients

Intercept:	0
Slope:	0.6537

Error Coefficients

Standard Error:	858000
Relative Standard Error:	12.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.008085	0.25	242202.0	0.808519	Y
2	IC 410-338781/6	0.05	0.03032	0.25	304159.0	0.60641	Y
3	IC 410-338781/5	0.1	0.062337	0.25	295237.0	0.623372	Y
4	ICIS 410-338781/2	0.5	0.344579	0.25	257606.0	0.689157	Y
5	IC 410-338781/4	1.0	0.594299	0.25	291561.0	0.594299	Y
6	IC 410-338781/3	2.5	1.500761	0.25	291905.0	0.600305	Y



Calibration / Dimethyl phthalate

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

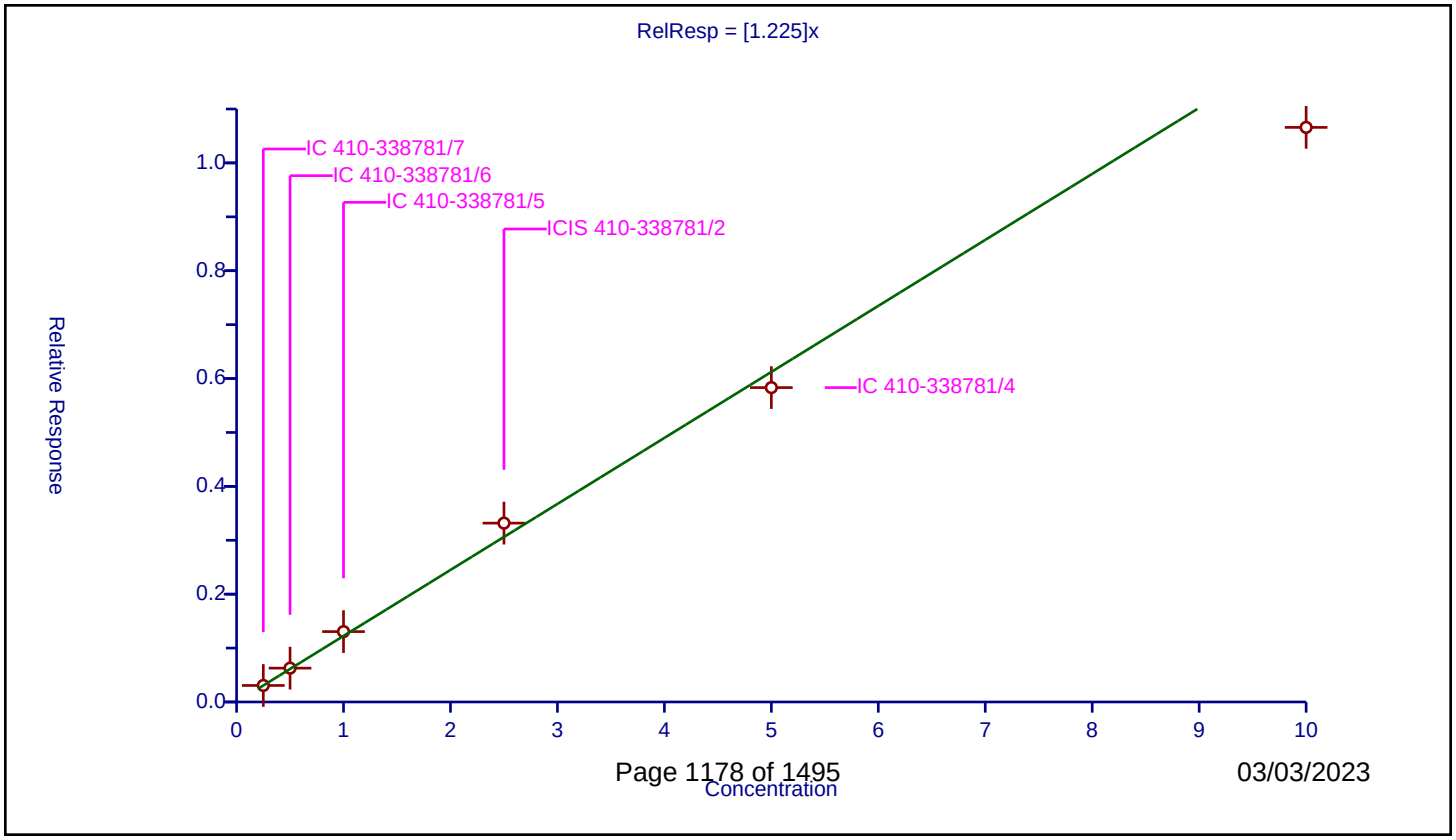
Curve Coefficients

Intercept:	0
Slope:	1.225

Error Coefficients

Standard Error:	3600000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.25	0.306589	0.25	130175.0	1.226357	Y
2	IC 410-338781/6	0.5	0.627844	0.25	163887.0	1.255688	Y
3	IC 410-338781/5	1.0	1.305807	0.25	159054.0	1.305807	Y
4	ICIS 410-338781/2	2.5	3.318318	0.25	144574.0	1.327327	Y
5	IC 410-338781/4	5.0	5.832195	0.25	160891.0	1.166439	Y
6	IC 410-338781/3	10.0	10.658935	0.25	159119.0	1.065893	Y



Calibration / Acenaphthylene

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

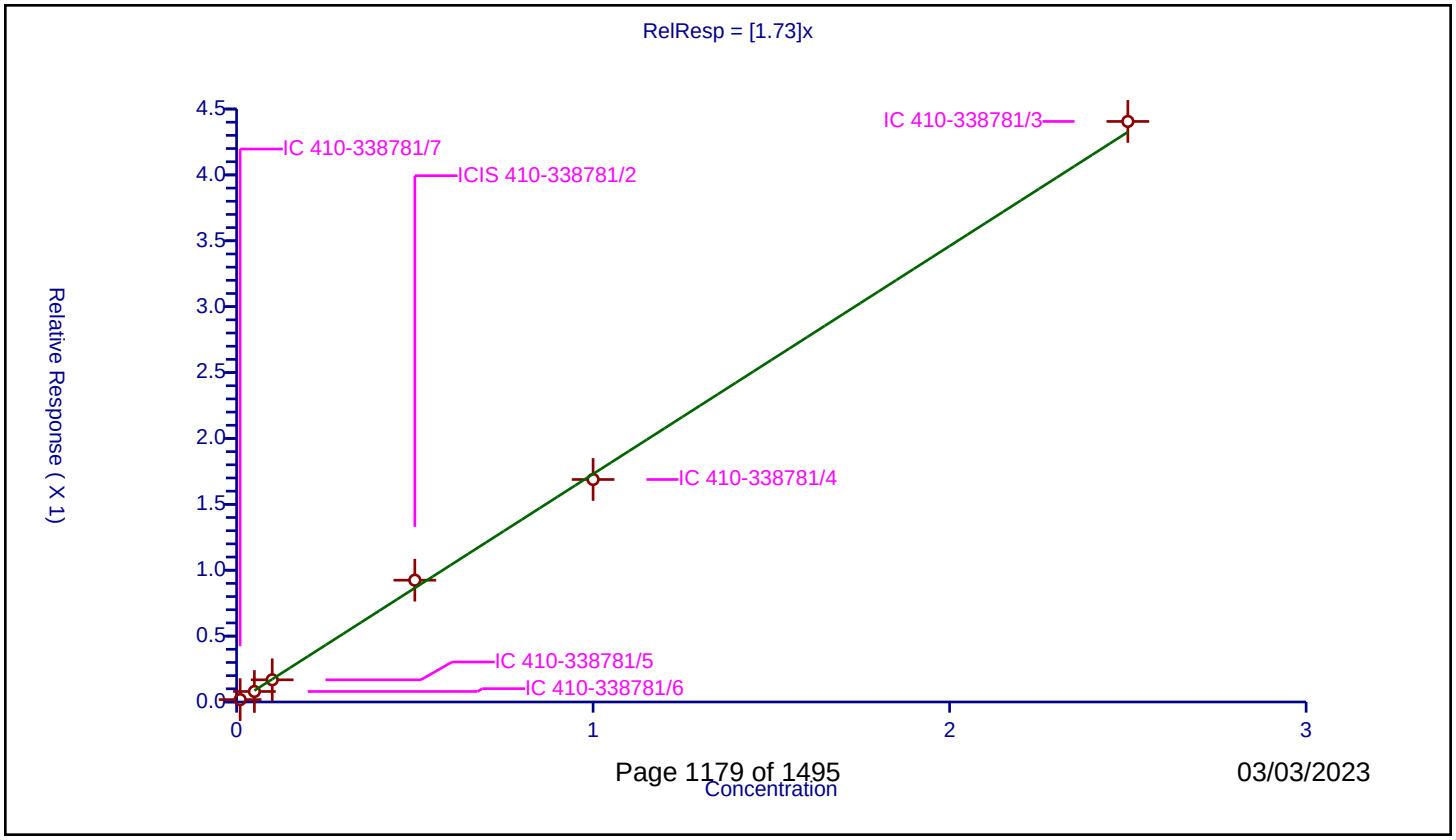
Curve Coefficients

Intercept:	0
Slope:	1.73

Error Coefficients

Standard Error:	1370000
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 410-338781/7	0.01	0.018041	0.25	130175.0	1.80411	Y
2	IC 410-338781/6	0.05	0.079736	0.25	163887.0	1.594727	Y
3	IC 410-338781/5	0.1	0.168249	0.25	159054.0	1.682495	Y
4	ICIS 410-338781/2	0.5	0.924355	0.25	144574.0	1.848711	Y
5	IC 410-338781/4	1.0	1.688562	0.25	160891.0	1.688562	Y
6	IC 410-338781/3	2.5	4.405692	0.25	159119.0	1.762277	Y



Calibration / Acenaphthene

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

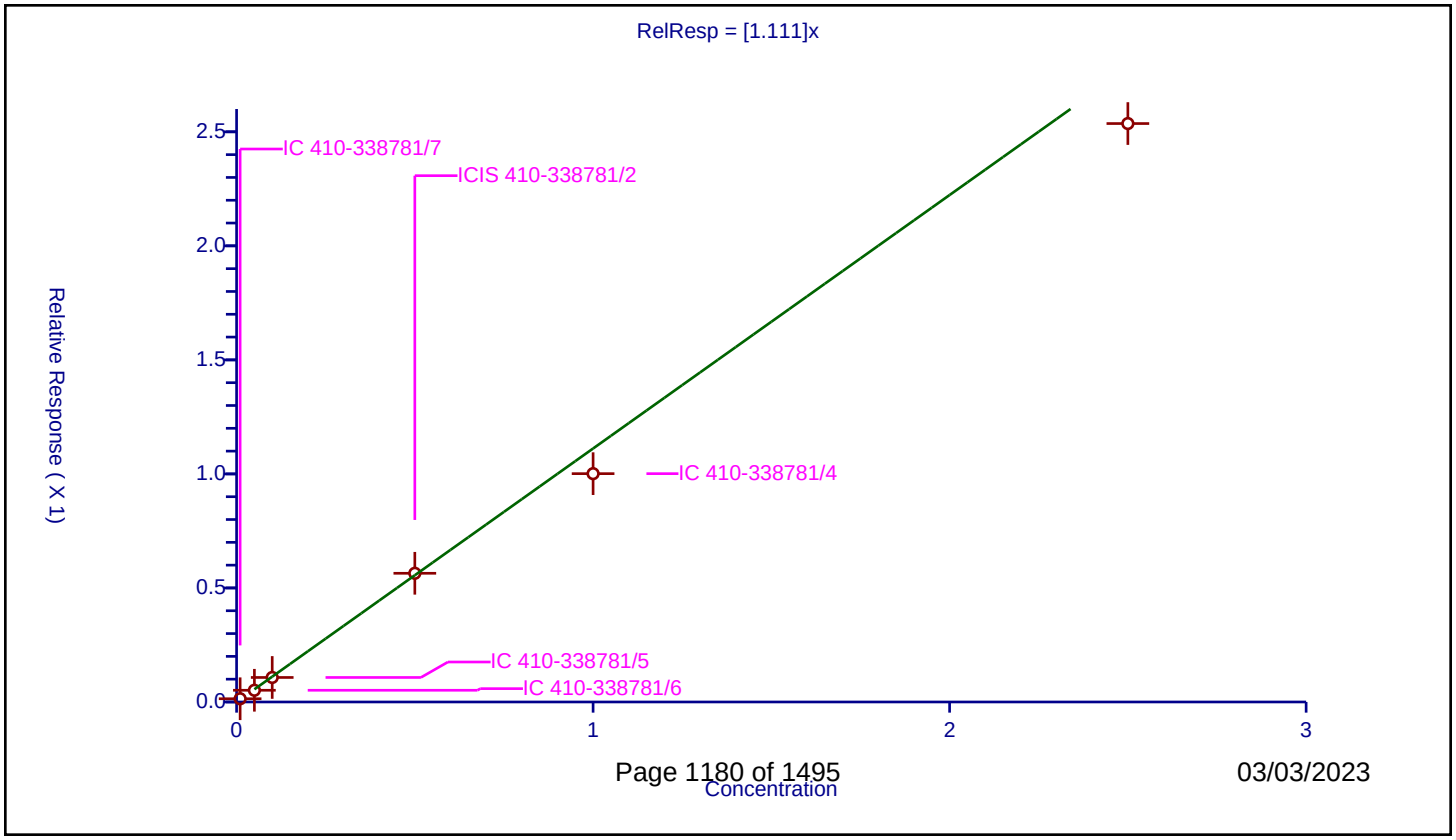
Curve Coefficients

Intercept:	0
Slope:	1.111

Error Coefficients

Standard Error:	792000
Relative Standard Error:	14.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.014225	0.25	130175.0	1.422508	Y
2	IC 410-338781/6	0.05	0.051352	0.25	163887.0	1.027049	Y
3	IC 410-338781/5	0.1	0.10747	0.25	159054.0	1.074698	Y
4	ICIS 410-338781/2	0.5	0.564363	0.25	144574.0	1.128726	Y
5	IC 410-338781/4	1.0	1.001159	0.25	160891.0	1.001159	Y
6	IC 410-338781/3	2.5	2.536279	0.25	159119.0	1.014512	Y



Calibration / Dibenzofuran

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

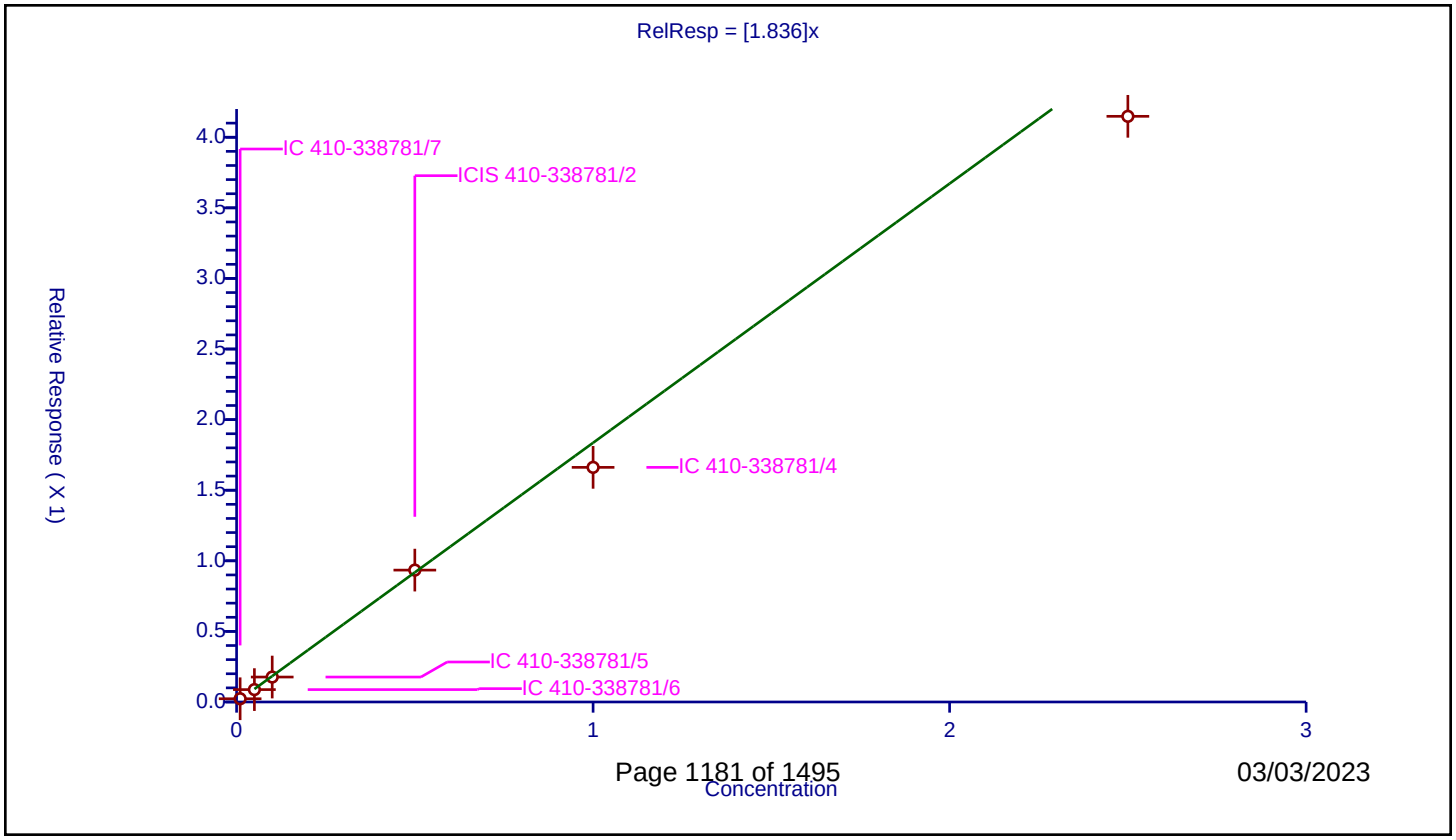
Curve Coefficients

Intercept:	0
Slope:	1.836

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	13.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.02304	0.25	130175.0	2.304014	Y
2	IC 410-338781/6	0.05	0.087707	0.25	163887.0	1.754135	Y
3	IC 410-338781/5	0.1	0.176737	0.25	159054.0	1.767371	Y
4	ICIS 410-338781/2	0.5	0.934162	0.25	144574.0	1.868323	Y
5	IC 410-338781/4	1.0	1.661905	0.25	160891.0	1.661905	Y
6	IC 410-338781/3	2.5	4.148224	0.25	159119.0	1.65929	Y



Calibration / Diethyl phthalate

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

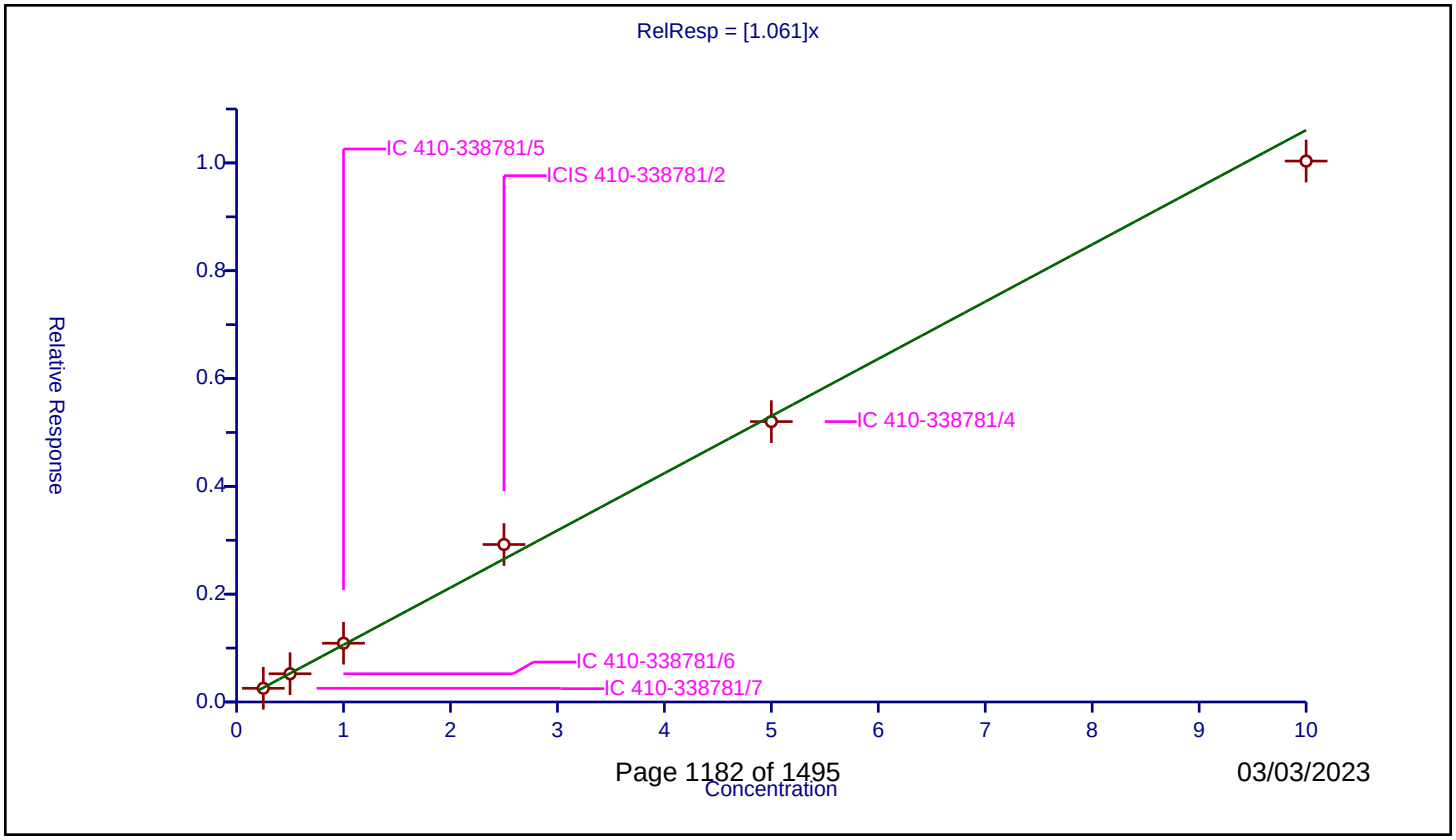
Curve Coefficients

Intercept:	0
Slope:	1.061

Error Coefficients

Standard Error:	3330000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.25	0.253829	0.25	130175.0	1.015318	Y
2	IC 410-338781/6	0.5	0.523649	0.25	163887.0	1.047298	Y
3	IC 410-338781/5	1.0	1.090174	0.25	159054.0	1.090174	Y
4	ICIS 410-338781/2	2.5	2.921552	0.25	144574.0	1.168621	Y
5	IC 410-338781/4	5.0	5.201097	0.25	160891.0	1.040219	Y
6	IC 410-338781/3	10.0	10.034287	0.25	159119.0	1.003429	Y



Calibration / Fluorene

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

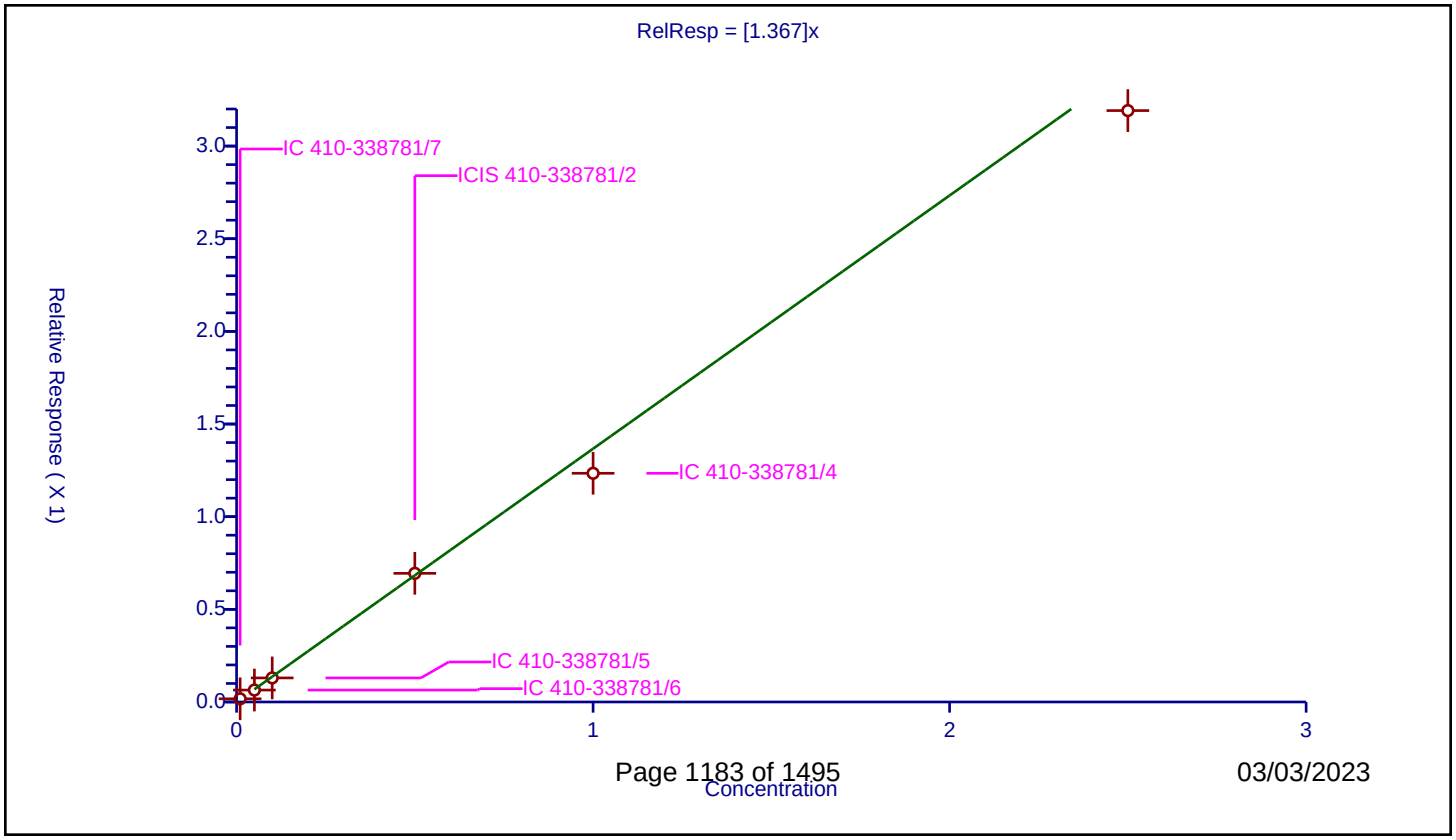
Curve Coefficients

Intercept:	0
Slope:	1.367

Error Coefficients

Standard Error:	993000
Relative Standard Error:	13.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.017135	0.25	130175.0	1.713463	Y
2	IC 410-338781/6	0.05	0.064435	0.25	163887.0	1.288693	Y
3	IC 410-338781/5	0.1	0.129877	0.25	159054.0	1.298773	Y
4	ICIS 410-338781/2	0.5	0.694252	0.25	144574.0	1.388503	Y
5	IC 410-338781/4	1.0	1.234194	0.25	160891.0	1.234194	Y
6	IC 410-338781/3	2.5	3.191486	0.25	159119.0	1.276594	Y



Calibration / N-Nitrosodiphenylamine

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

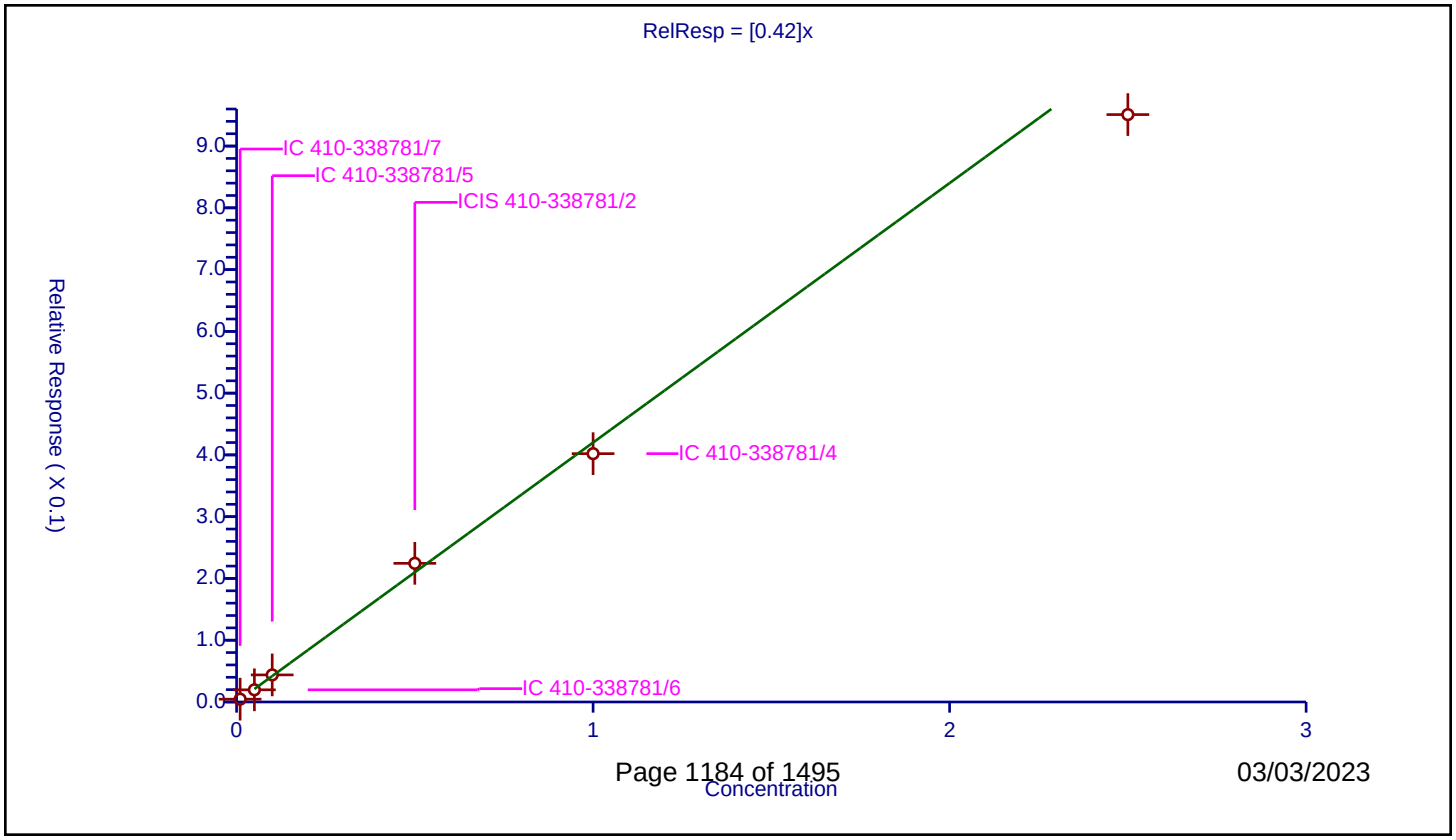
Curve Coefficients

Intercept:	0
Slope:	0.42

Error Coefficients

Standard Error:	545000
Relative Standard Error:	7.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.004564	0.25	233056.0	0.456435	Y
2	IC 410-338781/6	0.05	0.019707	0.25	291092.0	0.394137	Y
3	IC 410-338781/5	0.1	0.043829	0.25	283400.0	0.438294	Y
4	ICIS 410-338781/2	0.5	0.224483	0.25	264177.0	0.448966	Y
5	IC 410-338781/4	1.0	0.402036	0.25	291703.0	0.402036	Y
6	IC 410-338781/3	2.5	0.95097	0.25	288758.0	0.380388	Y



Calibration / Hexachlorobenzene

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

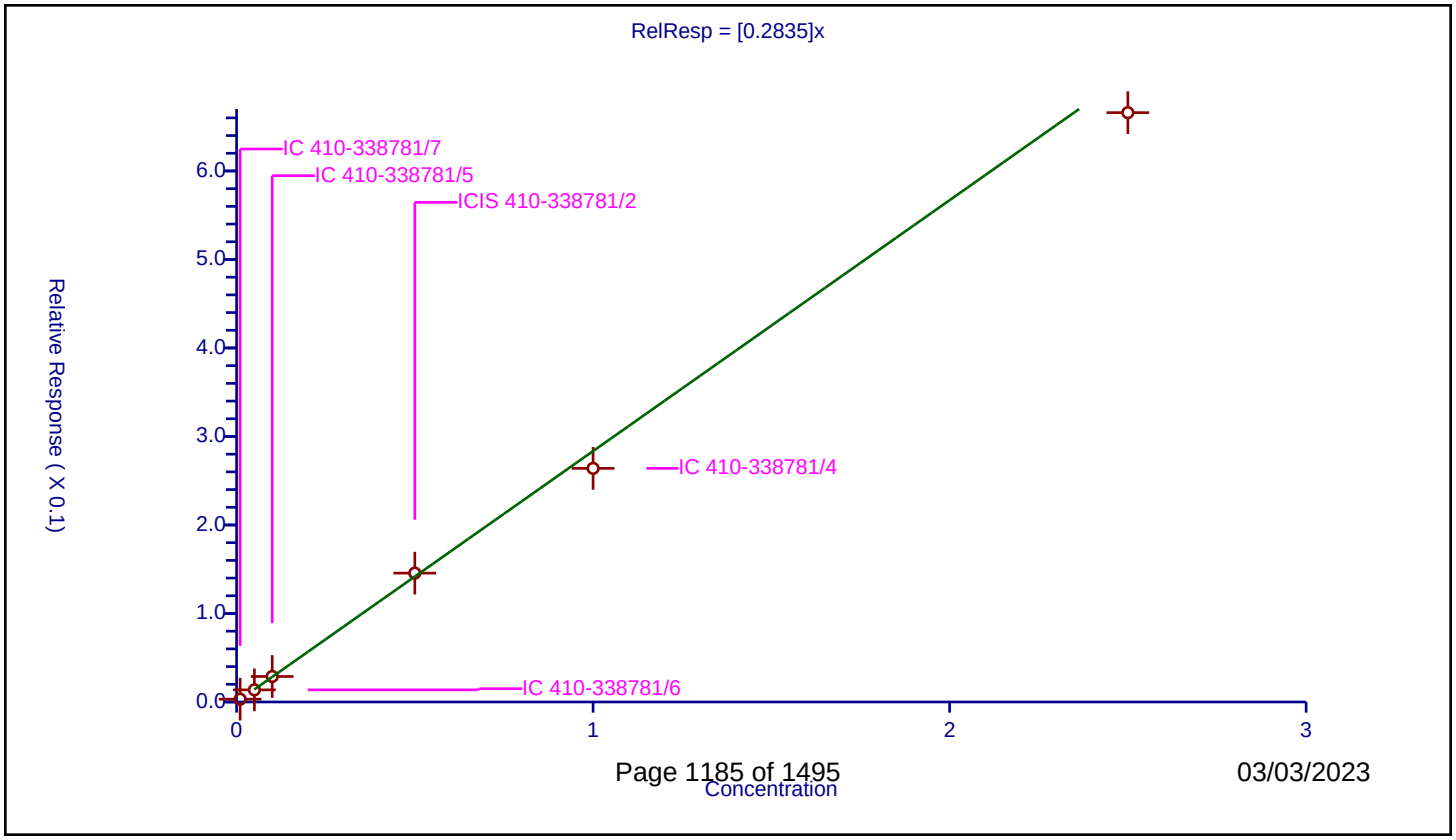
Curve Coefficients

Intercept:	0
Slope:	0.2835

Error Coefficients

Standard Error:	377000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.003171	0.25	233056.0	0.317091	Y
2	IC 410-338781/6	0.05	0.013702	0.25	291092.0	0.274037	Y
3	IC 410-338781/5	0.1	0.028829	0.25	283400.0	0.288294	Y
4	ICIS 410-338781/2	0.5	0.145595	0.25	264177.0	0.291189	Y
5	IC 410-338781/4	1.0	0.263972	0.25	291703.0	0.263972	Y
6	IC 410-338781/3	2.5	0.665897	0.25	288758.0	0.266359	Y



Calibration / Phenanthrene

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

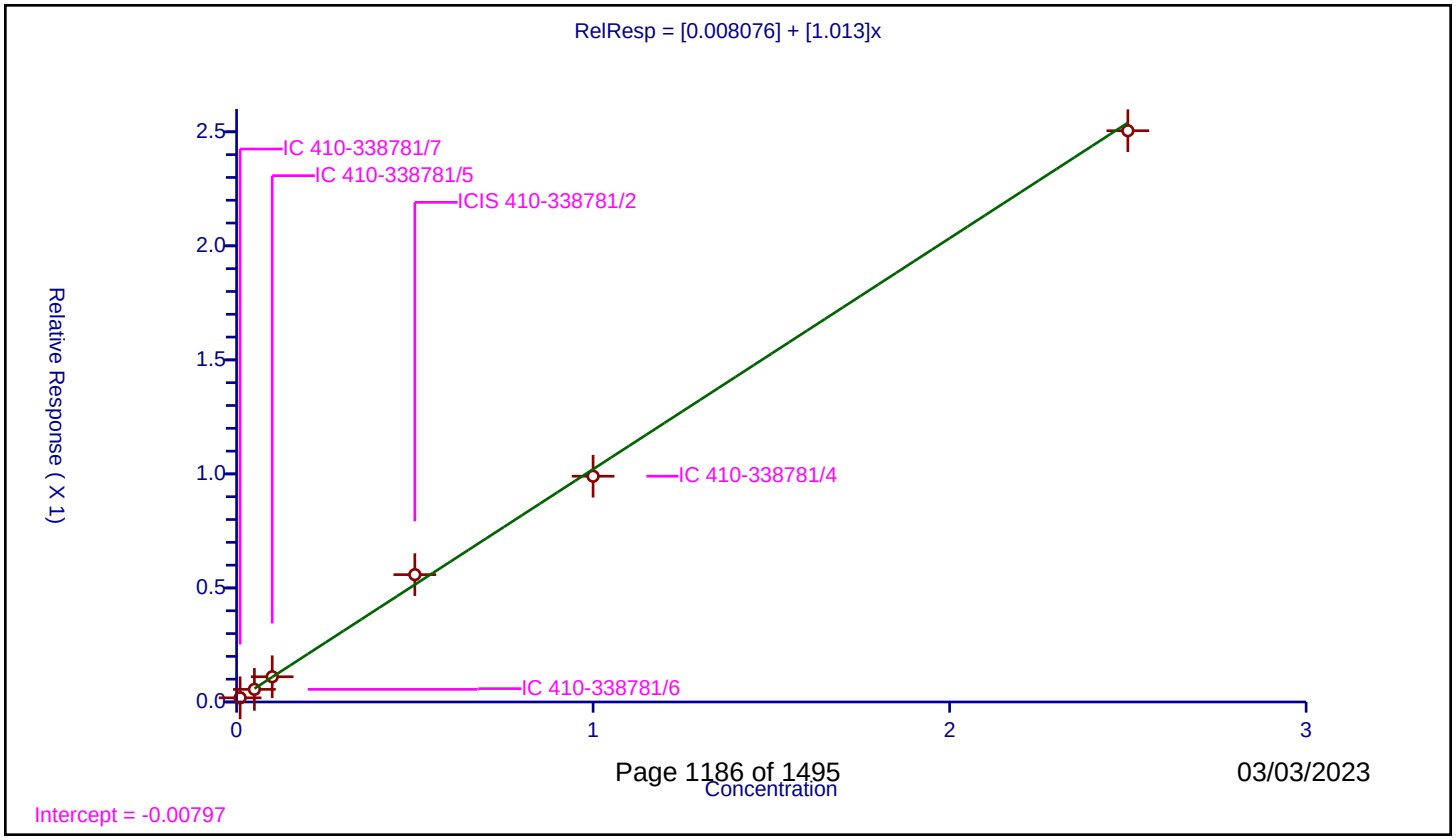
Curve Coefficients

Intercept:	0.008076
Slope:	1.013

Error Coefficients

Standard Error:	1590000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.018309	0.25	233056.0	1.83089	Y
2	IC 410-338781/6	0.05	0.055347	0.25	291092.0	1.106935	Y
3	IC 410-338781/5	0.1	0.110674	0.25	283400.0	1.10674	Y
4	ICIS 410-338781/2	0.5	0.558324	0.25	264177.0	1.116647	Y
5	IC 410-338781/4	1.0	0.989902	0.25	291703.0	0.989902	Y
6	IC 410-338781/3	2.5	2.504824	0.25	288758.0	1.00193	Y



Calibration / Anthracene

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

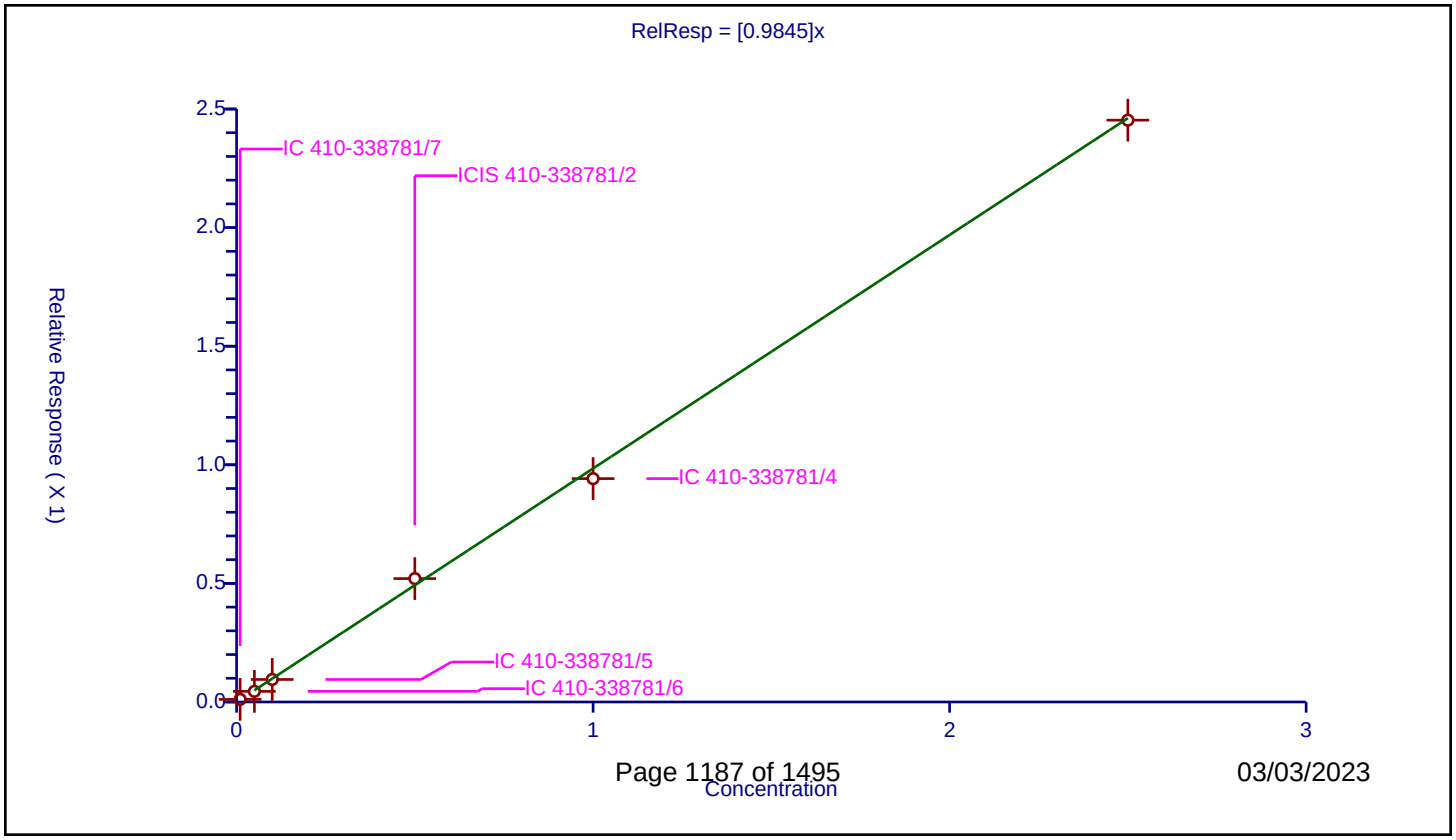
Curve Coefficients

Intercept:	0
Slope:	0.9845

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.010984	0.25	233056.0	1.098448	Y
2	IC 410-338781/6	0.05	0.044776	0.25	291092.0	0.895524	Y
3	IC 410-338781/5	0.1	0.094977	0.25	283400.0	0.949771	Y
4	ICIS 410-338781/2	0.5	0.520268	0.25	264177.0	1.040535	Y
5	IC 410-338781/4	1.0	0.941764	0.25	291703.0	0.941764	Y
6	IC 410-338781/3	2.5	2.453	0.25	288758.0	0.9812	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

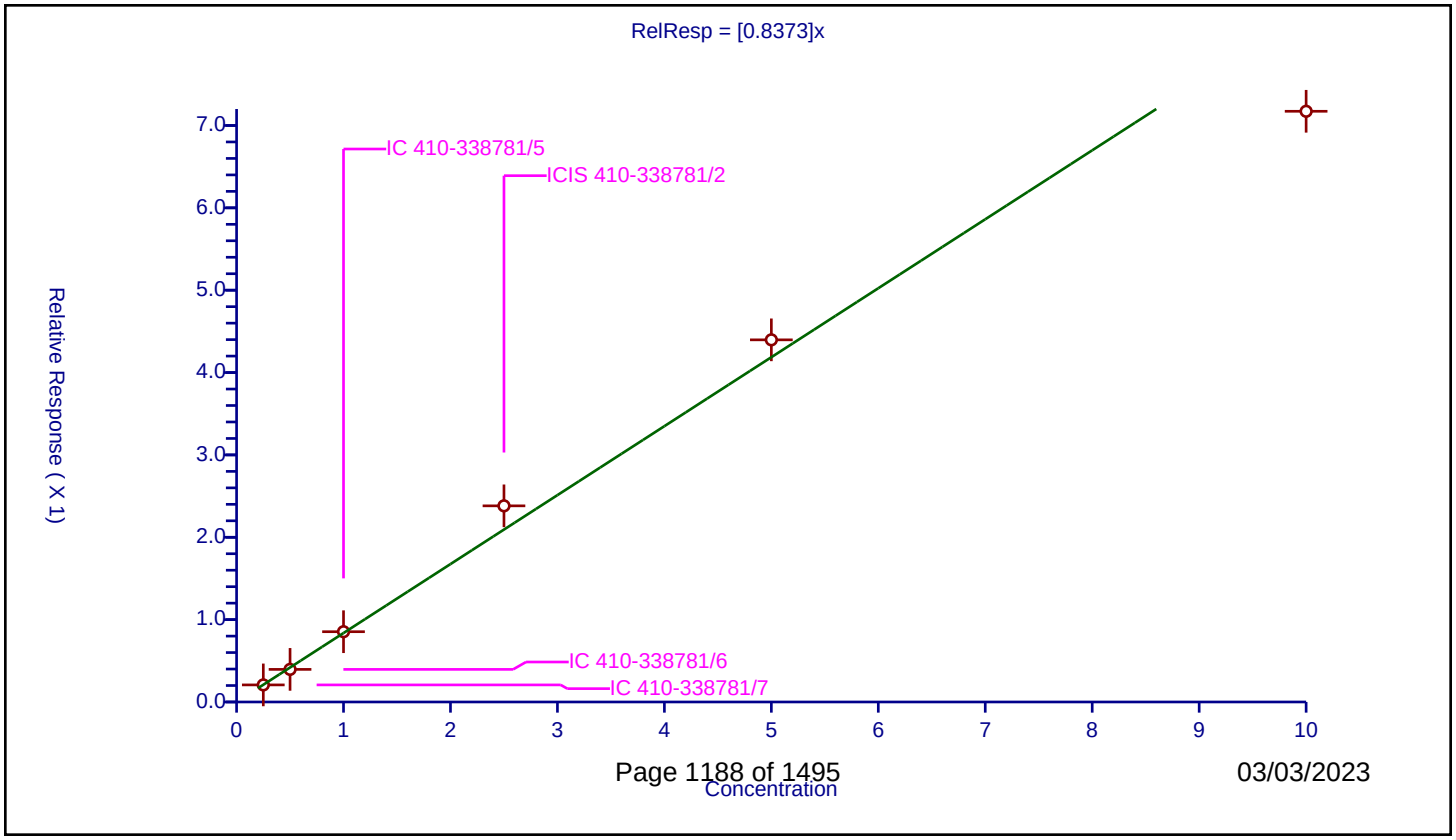
Curve Coefficients

Intercept:	0
Slope:	0.8373

Error Coefficients

Standard Error:	4530000
Relative Standard Error:	9.5
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.25	0.207406	0.25	233056.0	0.829625	Y
2	IC 410-338781/6	0.5	0.395688	0.25	291092.0	0.791377	Y
3	IC 410-338781/5	1.0	0.853377	0.25	283400.0	0.853377	Y
4	ICIS 410-338781/2	2.5	2.381721	0.25	264177.0	0.952689	Y
5	IC 410-338781/4	5.0	4.397368	0.25	291703.0	0.879474	Y
6	IC 410-338781/3	10.0	7.172492	0.25	288758.0	0.717249	Y



Calibration / Fluoranthene-d10 (Surr)

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

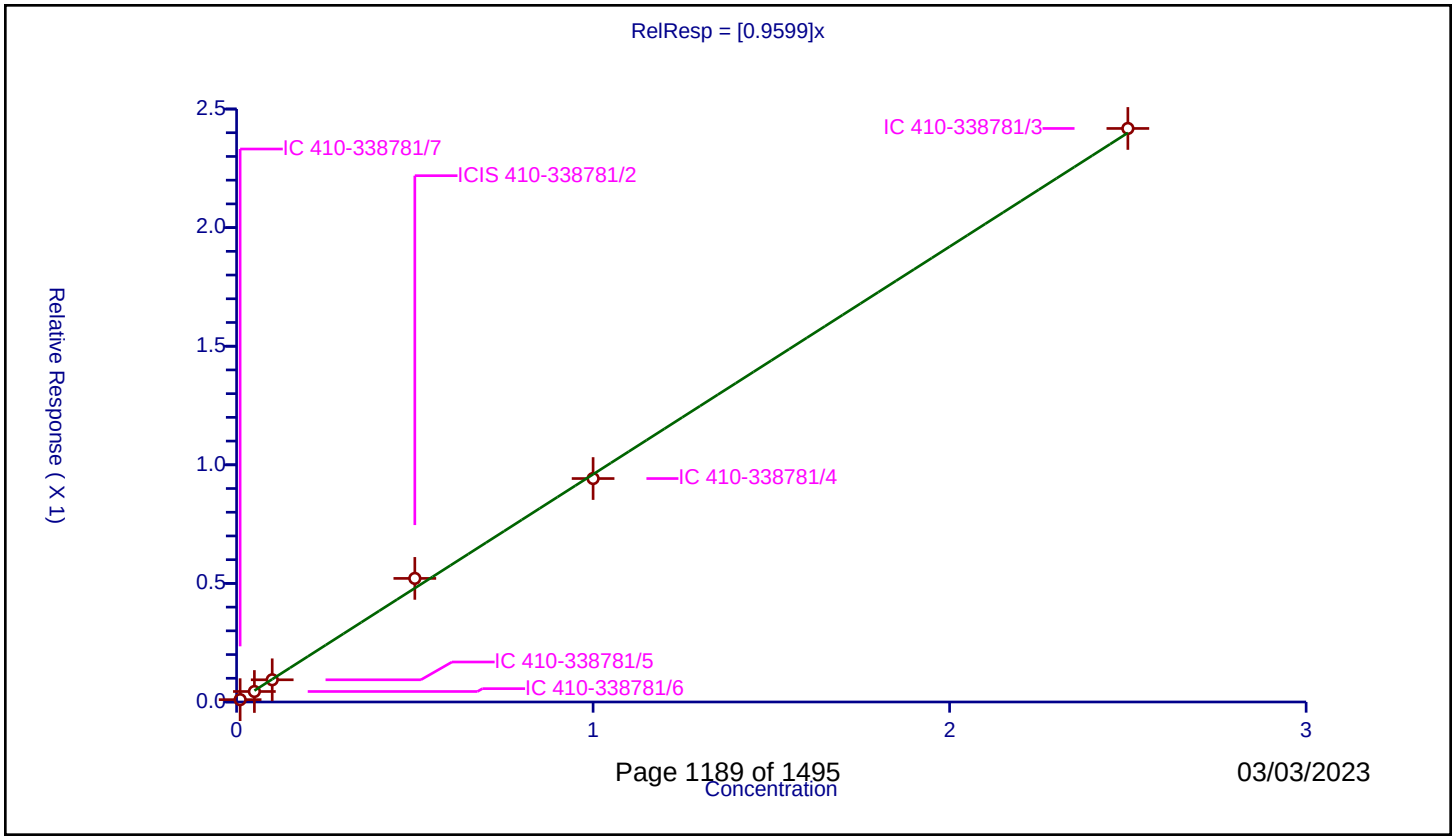
Curve Coefficients

Intercept:	0
Slope:	0.9599

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.009877	0.25	233056.0	0.987745	Y
2	IC 410-338781/6	0.05	0.044216	0.25	291092.0	0.884325	Y
3	IC 410-338781/5	0.1	0.093592	0.25	283400.0	0.935921	Y
4	ICIS 410-338781/2	0.5	0.521036	0.25	264177.0	1.042072	Y
5	IC 410-338781/4	1.0	0.942047	0.25	291703.0	0.942047	Y
6	IC 410-338781/3	2.5	2.418076	0.25	288758.0	0.96723	Y



Calibration / Fluoranthene

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

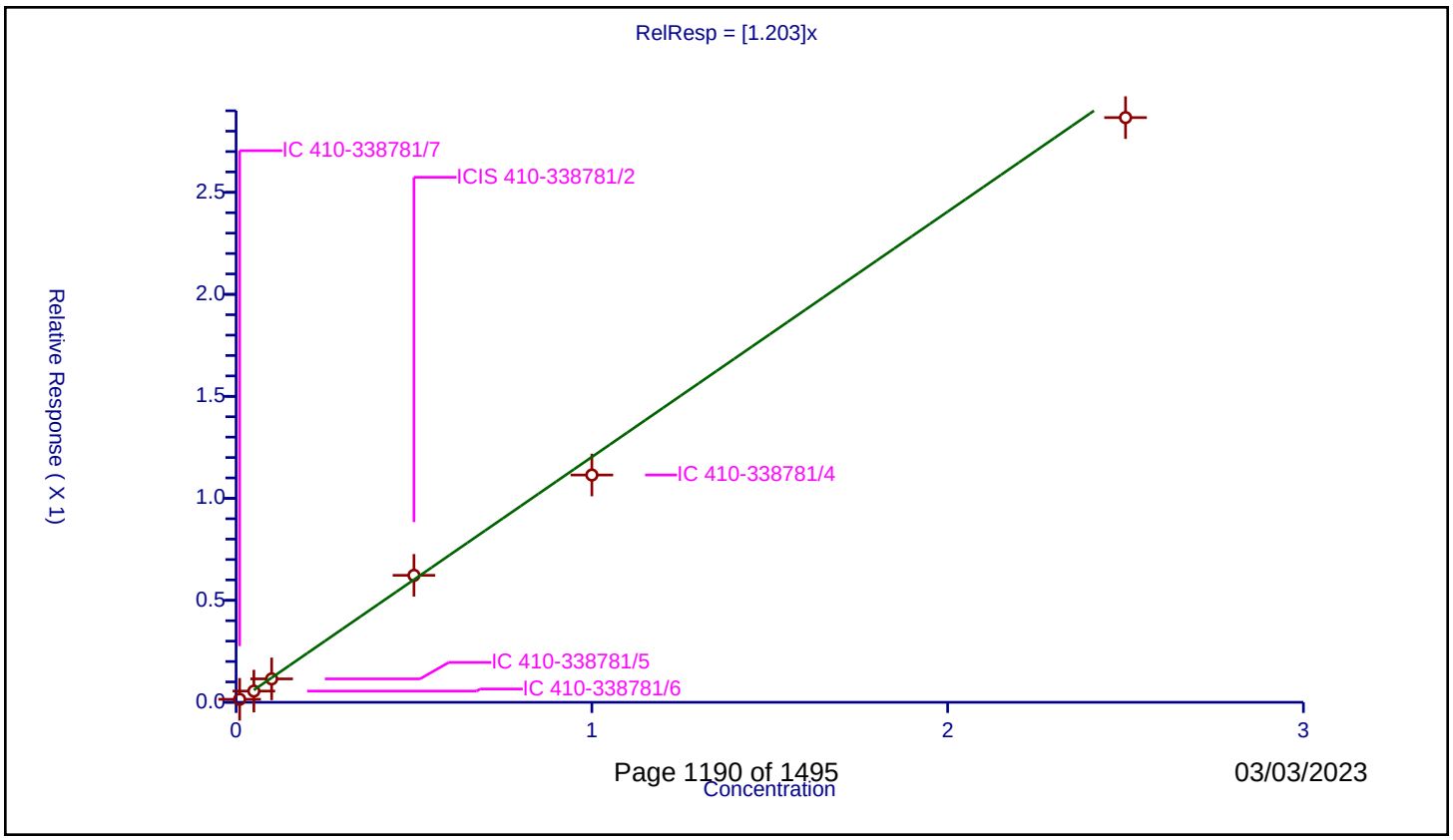
Curve Coefficients

Intercept:	0
Slope:	1.203

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.014635	0.25	233056.0	1.463489	Y
2	IC 410-338781/6	0.05	0.054929	0.25	291092.0	1.098587	Y
3	IC 410-338781/5	0.1	0.114802	0.25	283400.0	1.148024	Y
4	ICIS 410-338781/2	0.5	0.622506	0.25	264177.0	1.245012	Y
5	IC 410-338781/4	1.0	1.114338	0.25	291703.0	1.114338	Y
6	IC 410-338781/3	2.5	2.866448	0.25	288758.0	1.146579	Y



Calibration / Pyrene

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

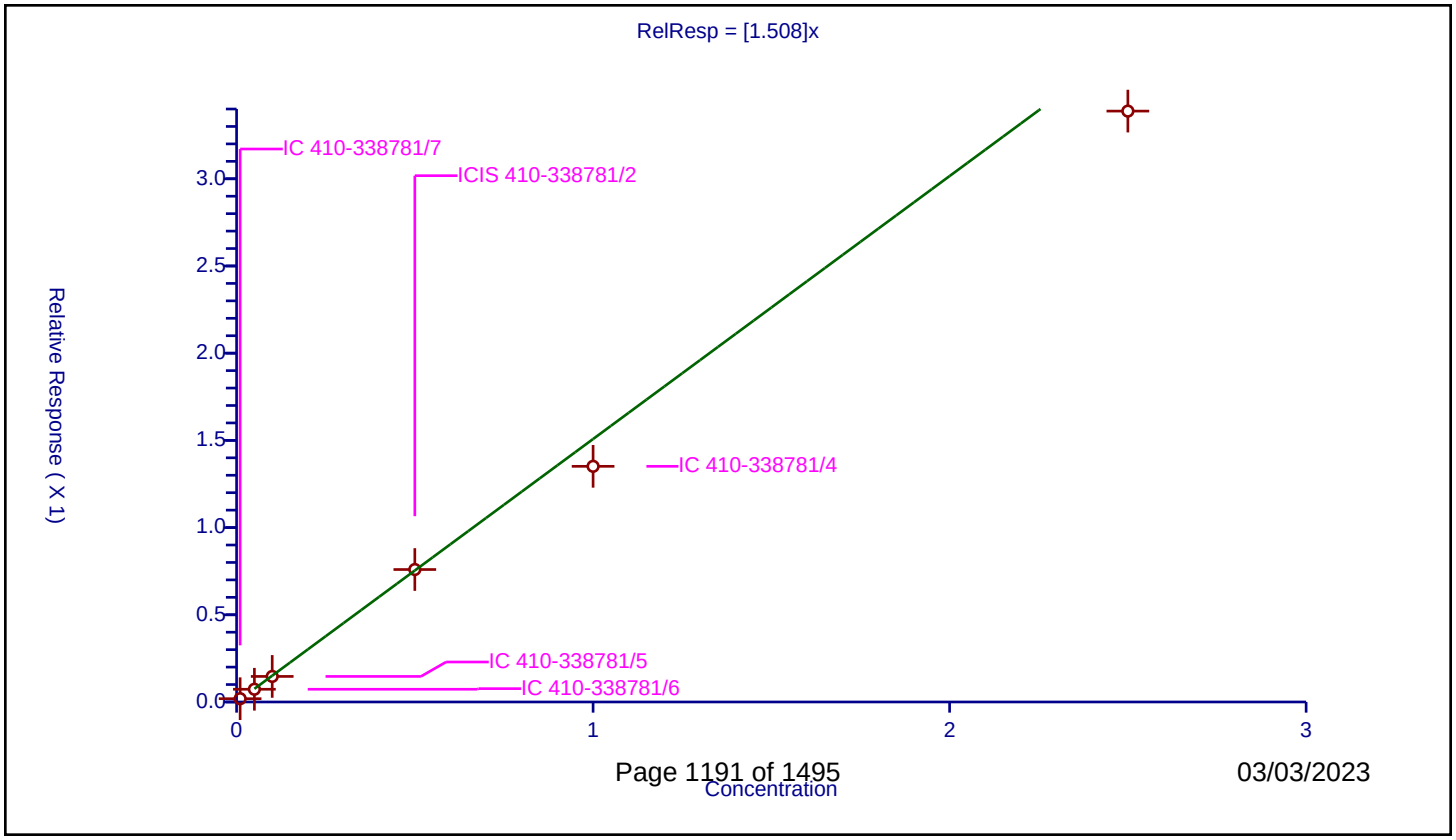
Curve Coefficients

Intercept:	0
Slope:	1.508

Error Coefficients

Standard Error:	1680000
Relative Standard Error:	13.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.018949	0.25	177703.0	1.894875	Y
2	IC 410-338781/6	0.05	0.073062	0.25	226295.0	1.461234	Y
3	IC 410-338781/5	0.1	0.146522	0.25	225848.0	1.465222	Y
4	ICIS 410-338781/2	0.5	0.759549	0.25	223686.0	1.519098	Y
5	IC 410-338781/4	1.0	1.351197	0.25	249103.0	1.351197	Y
6	IC 410-338781/3	2.5	3.388055	0.25	252918.0	1.355222	Y



Calibration / Butyl benzyl phthalate

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

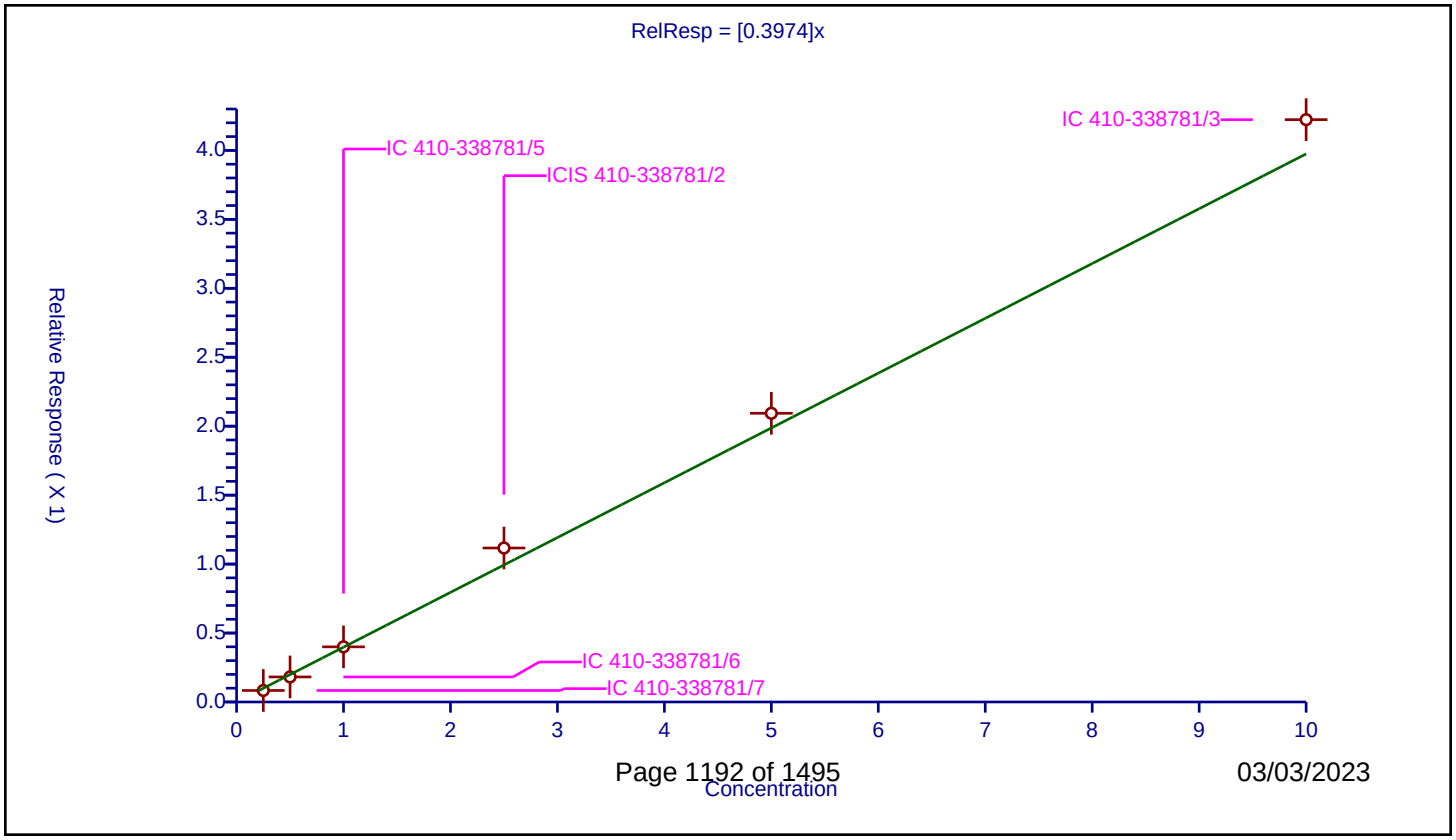
Curve Coefficients

Intercept:	0
Slope:	0.3974

Error Coefficients

Standard Error:	2180000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.25	0.083475	0.25	177703.0	0.3339	Y
2	IC 410-338781/6	0.5	0.18164	0.25	226295.0	0.36328	Y
3	IC 410-338781/5	1.0	0.399756	0.25	225848.0	0.399756	Y
4	ICIS 410-338781/2	2.5	1.116721	0.25	223686.0	0.446688	Y
5	IC 410-338781/4	5.0	2.093507	0.25	249103.0	0.418701	Y
6	IC 410-338781/3	10.0	4.222778	0.25	252918.0	0.422278	Y



Calibration / Benzo[a]anthracene

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

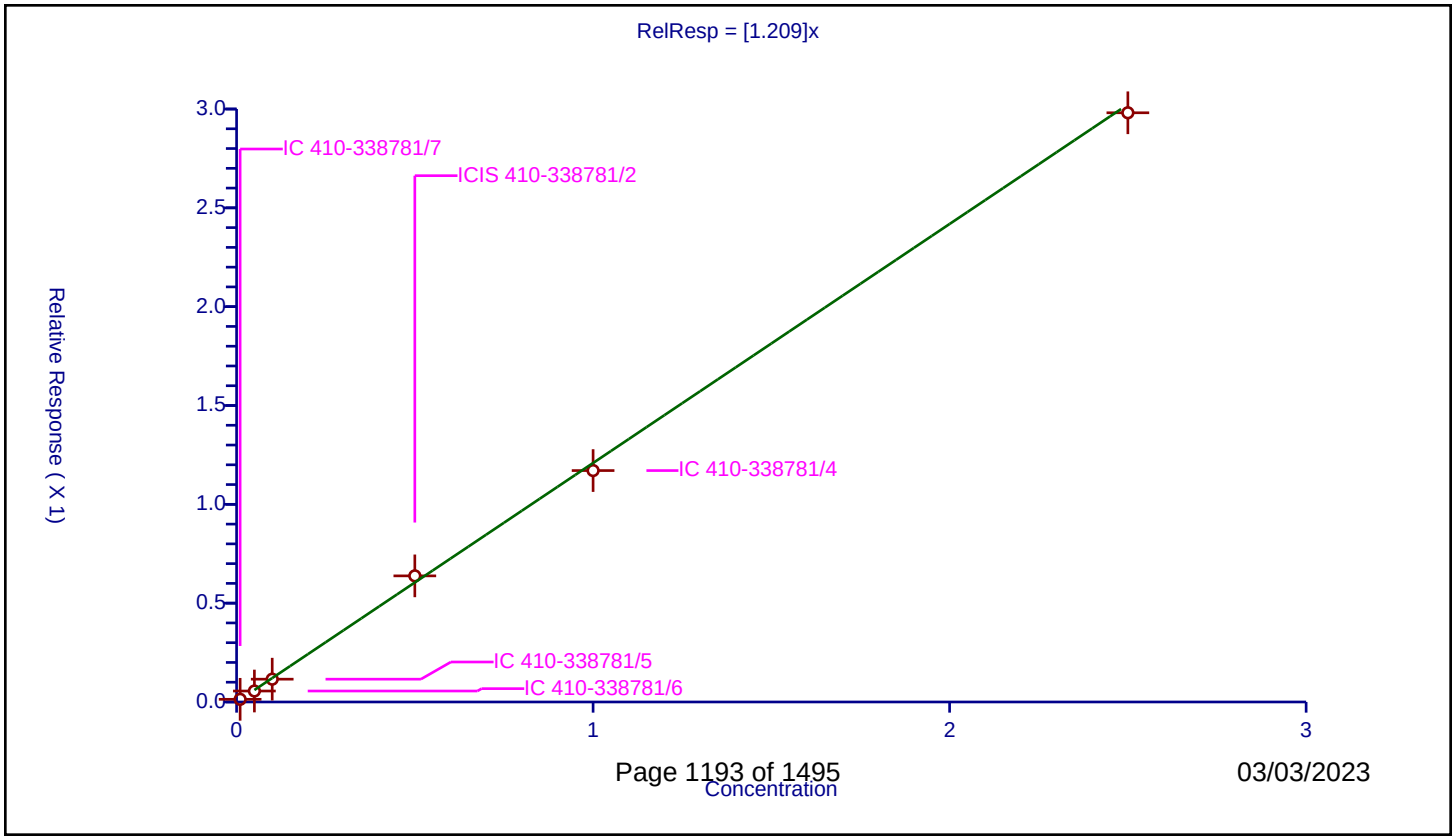
Curve Coefficients

Intercept:	0
Slope:	1.209

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.01351	0.25	177703.0	1.35099	Y
2	IC 410-338781/6	0.05	0.055538	0.25	226295.0	1.110763	Y
3	IC 410-338781/5	0.1	0.115395	0.25	225848.0	1.153951	Y
4	ICIS 410-338781/2	0.5	0.638083	0.25	223686.0	1.276166	Y
5	IC 410-338781/4	1.0	1.170805	0.25	249103.0	1.170805	Y
6	IC 410-338781/3	2.5	2.981009	0.25	252918.0	1.192403	Y



Calibration / Chrysene

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

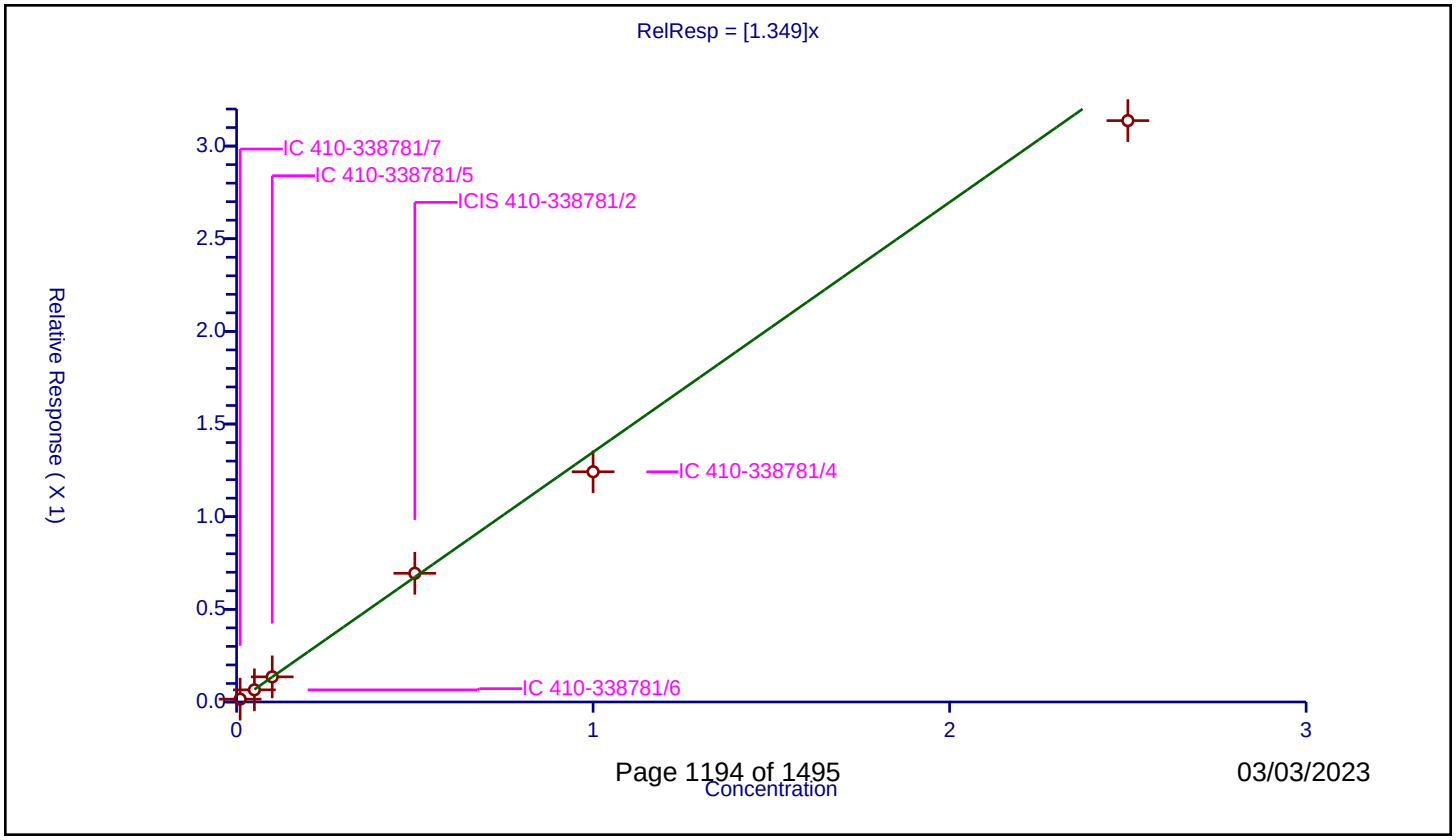
Curve Coefficients

Intercept:	0
Slope:	1.349

Error Coefficients

Standard Error:	1550000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.015381	0.25	177703.0	1.5381	Y
2	IC 410-338781/6	0.05	0.065533	0.25	226295.0	1.310656	Y
3	IC 410-338781/5	0.1	0.135586	0.25	225848.0	1.355857	Y
4	ICIS 410-338781/2	0.5	0.694558	0.25	223686.0	1.389117	Y
5	IC 410-338781/4	1.0	1.242423	0.25	249103.0	1.242423	Y
6	IC 410-338781/3	2.5	3.137378	0.25	252918.0	1.254951	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

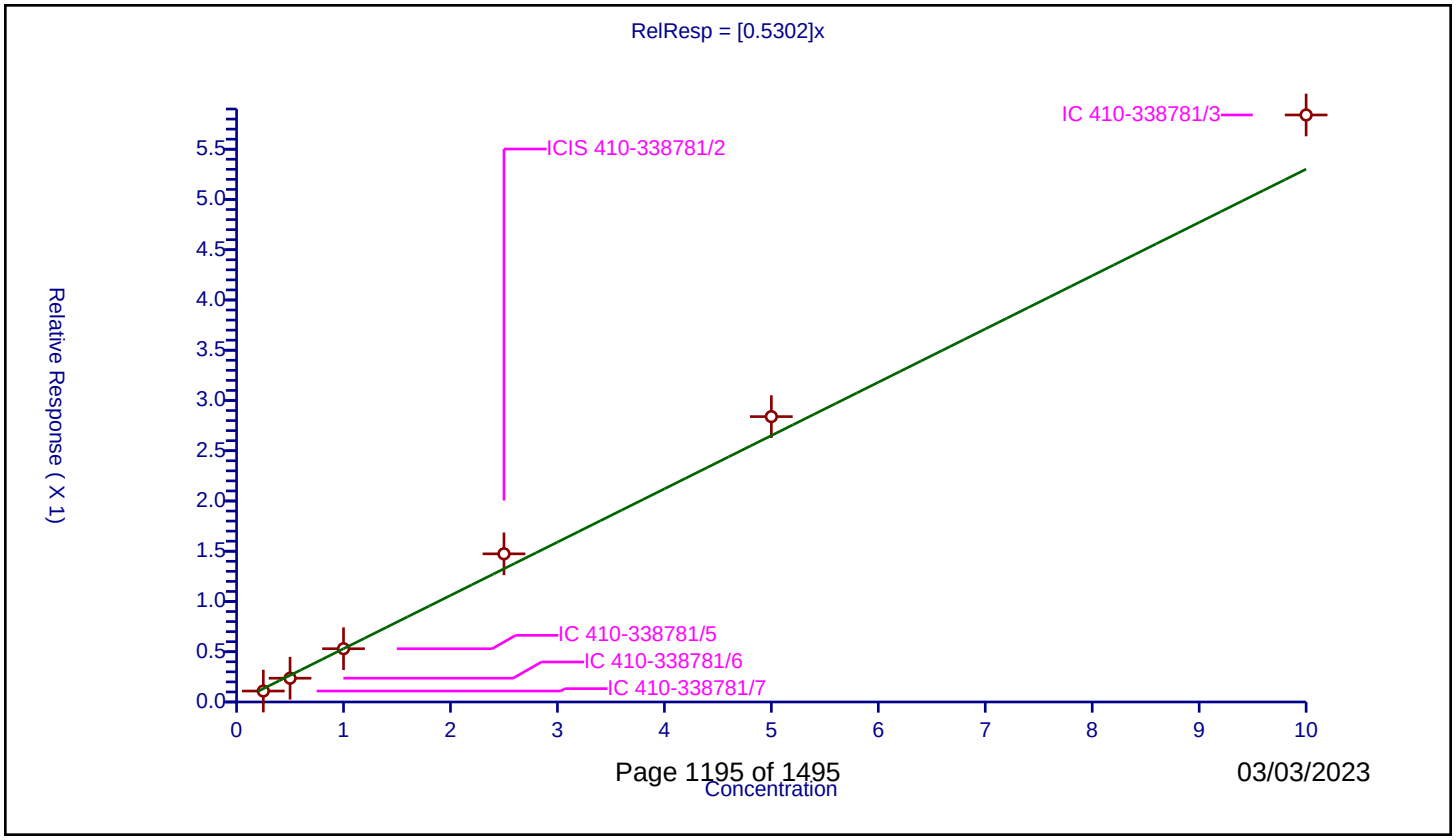
Curve Coefficients

Intercept:	0
Slope:	0.5302

Error Coefficients

Standard Error:	3000000
Relative Standard Error:	11.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.25	0.10902	0.25	177703.0	0.436082	Y
2	IC 410-338781/6	0.5	0.236637	0.25	226295.0	0.473274	Y
3	IC 410-338781/5	1.0	0.530028	0.25	225848.0	0.530028	Y
4	ICIS 410-338781/2	2.5	1.474086	0.25	223686.0	0.589635	Y
5	IC 410-338781/4	5.0	2.839526	0.25	249103.0	0.567905	Y
6	IC 410-338781/3	10.0	5.840878	0.25	252918.0	0.584088	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

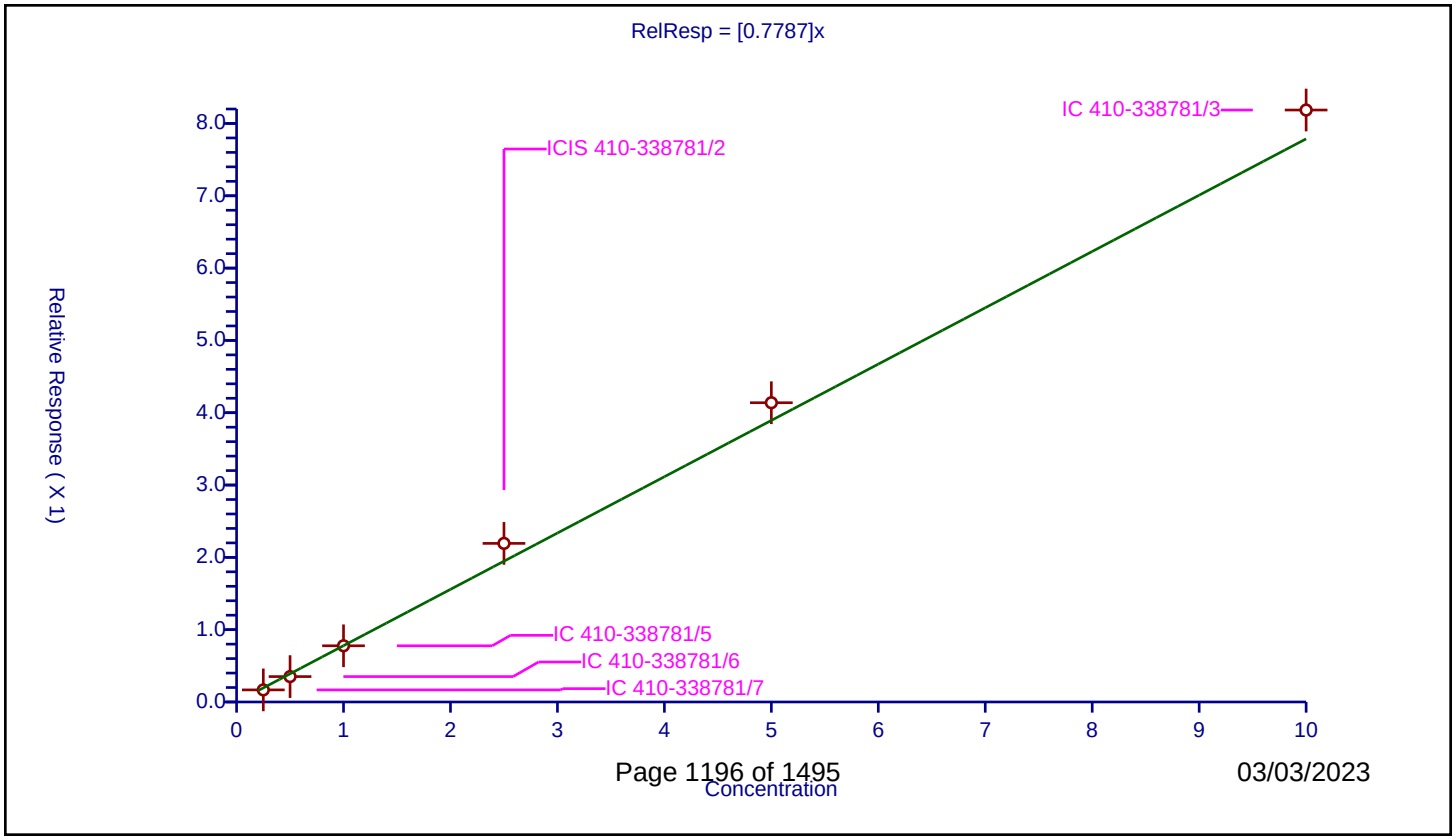
Curve Coefficients

Intercept:	0
Slope:	0.7787

Error Coefficients

Standard Error:	5260000
Relative Standard Error:	10.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.25	0.167331	0.25	179947.0	0.669325	Y
2	IC 410-338781/6	0.5	0.351214	0.25	246638.0	0.702428	Y
3	IC 410-338781/5	1.0	0.777121	0.25	253471.0	0.777121	Y
4	ICIS 410-338781/2	2.5	2.193172	0.25	255768.0	0.877269	Y
5	IC 410-338781/4	5.0	4.138312	0.25	296584.0	0.827662	Y
6	IC 410-338781/3	10.0	8.18611	0.25	318093.0	0.818611	Y



Calibration / Benzo[b]fluoranthene

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

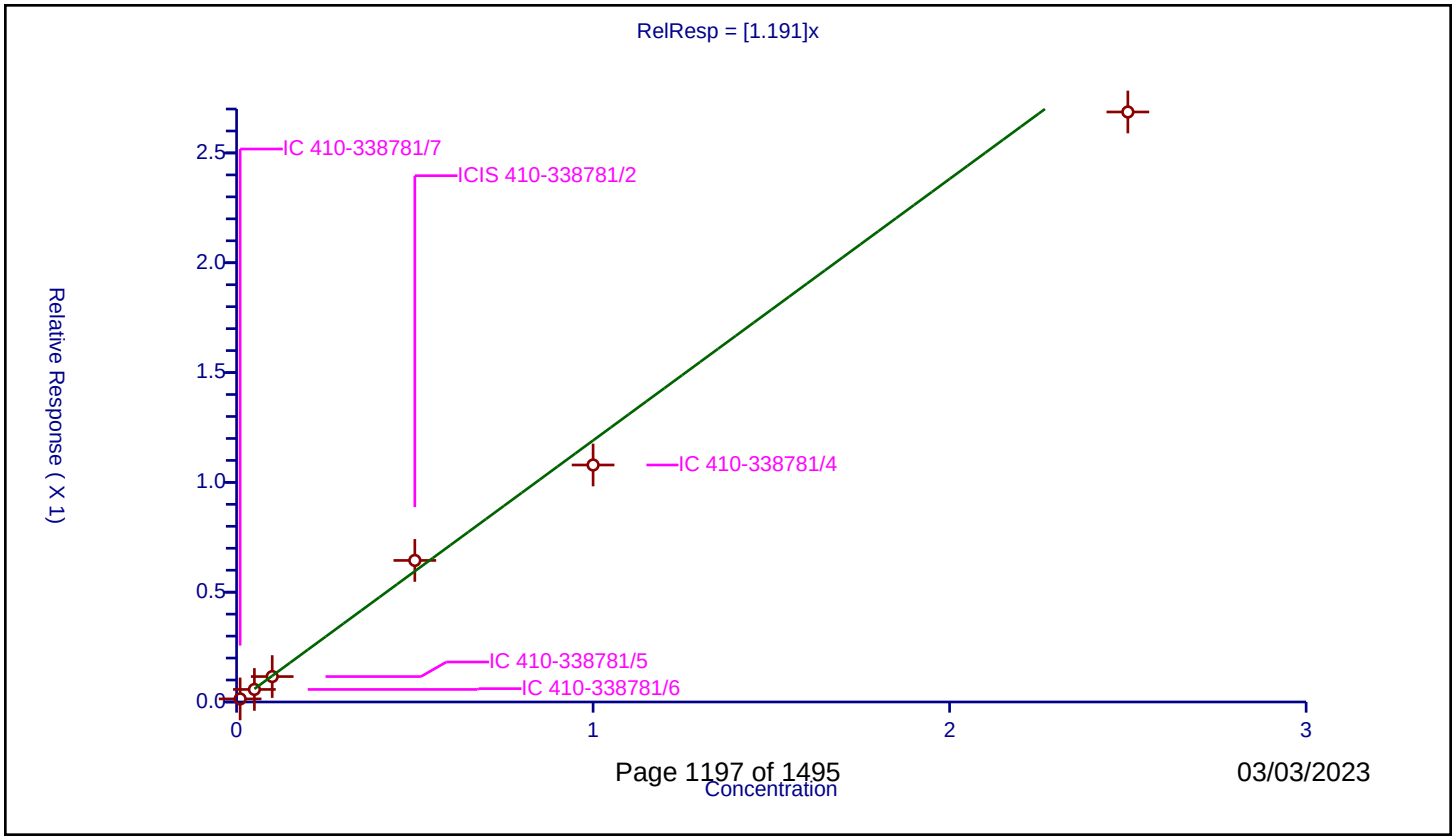
Curve Coefficients

Intercept:	0
Slope:	1.191

Error Coefficients

Standard Error:	1660000
Relative Standard Error:	10.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.014026	0.25	179947.0	1.402635	Y
2	IC 410-338781/6	0.05	0.057105	0.25	246638.0	1.142099	Y
3	IC 410-338781/5	0.1	0.115716	0.25	253471.0	1.157164	Y
4	ICIS 410-338781/2	0.5	0.644565	0.25	255768.0	1.289129	Y
5	IC 410-338781/4	1.0	1.079102	0.25	296584.0	1.079102	Y
6	IC 410-338781/3	2.5	2.686501	0.25	318093.0	1.074601	Y



Calibration / Benzo[k]fluoranthene

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

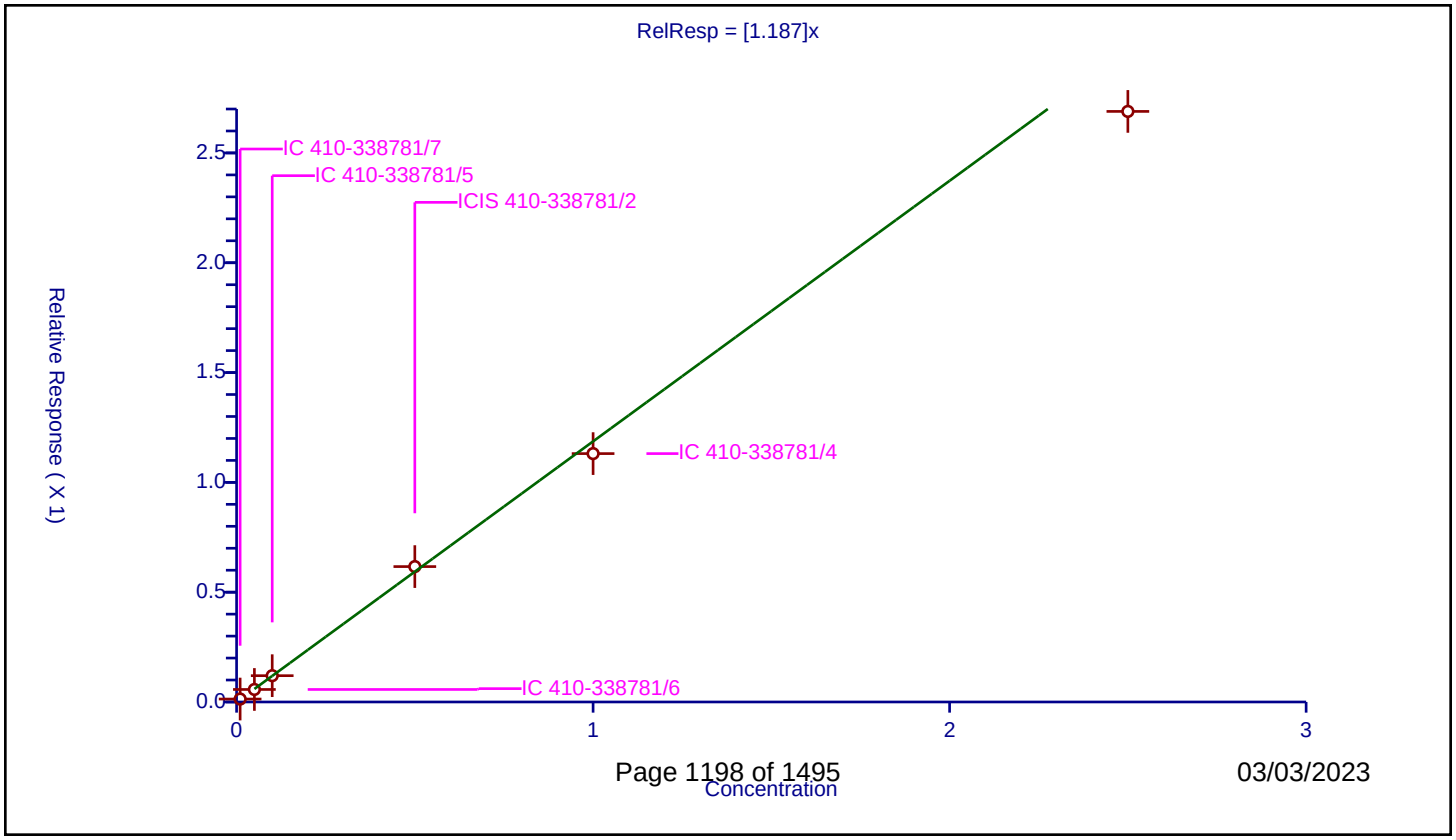
Curve Coefficients

Intercept:	0
Slope:	1.187

Error Coefficients

Standard Error:	1670000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.013405	0.25	179947.0	1.340534	Y
2	IC 410-338781/6	0.05	0.057057	0.25	246638.0	1.141146	Y
3	IC 410-338781/5	0.1	0.119834	0.25	253471.0	1.198342	Y
4	ICIS 410-338781/2	0.5	0.616467	0.25	255768.0	1.232934	Y
5	IC 410-338781/4	1.0	1.130983	0.25	296584.0	1.130983	Y
6	IC 410-338781/3	2.5	2.689024	0.25	318093.0	1.07561	Y



Calibration / Benzo[e]pyrene

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

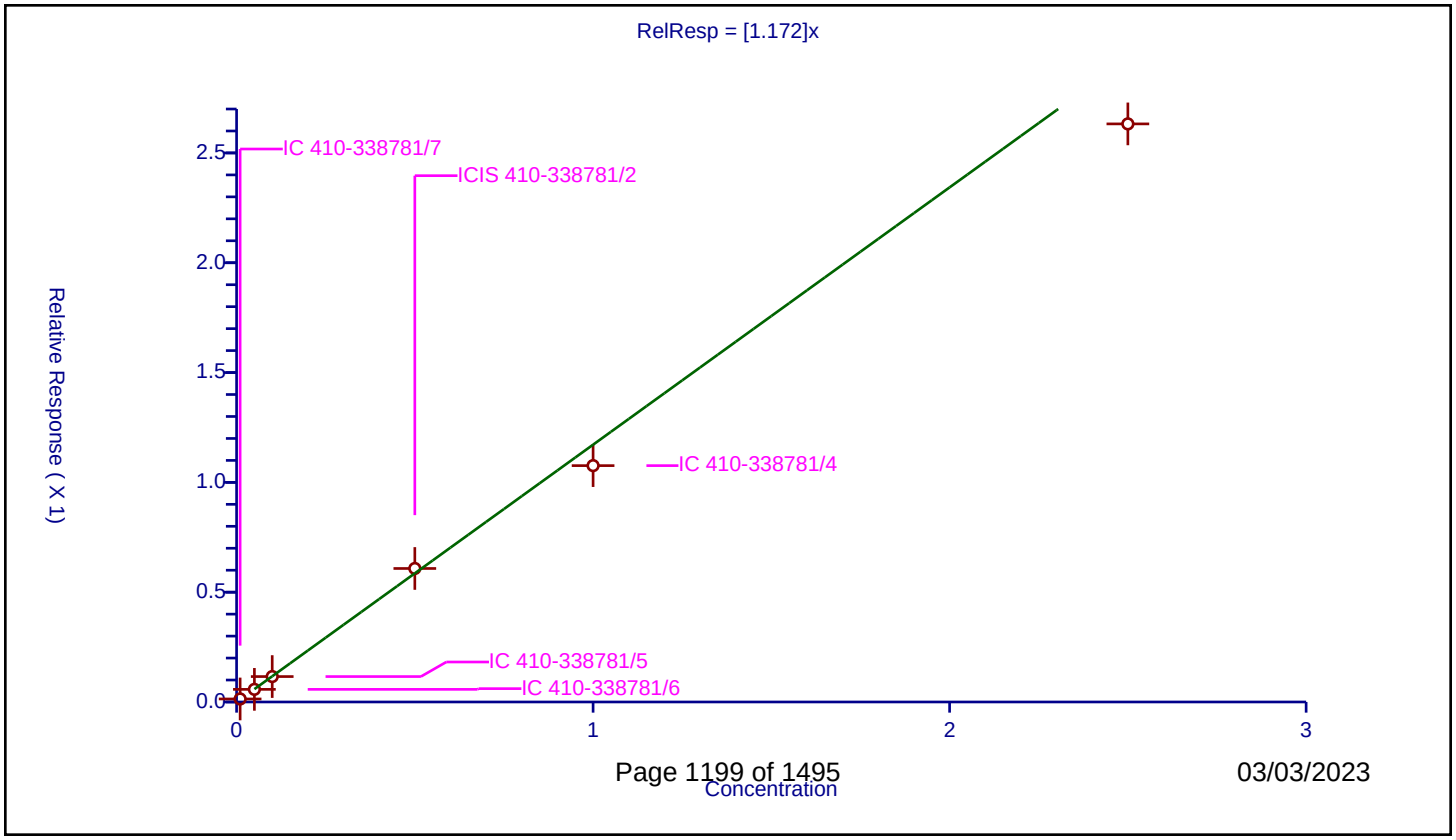
Curve Coefficients

Intercept:	0
Slope:	1.172

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	10.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.013771	0.25	179947.0	1.377072	Y
2	IC 410-338781/6	0.05	0.057468	0.25	246638.0	1.149357	Y
3	IC 410-338781/5	0.1	0.115808	0.25	253471.0	1.158081	Y
4	ICIS 410-338781/2	0.5	0.607894	0.25	255768.0	1.215787	Y
5	IC 410-338781/4	1.0	1.076247	0.25	296584.0	1.076247	Y
6	IC 410-338781/3	2.5	2.63221	0.25	318093.0	1.052884	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

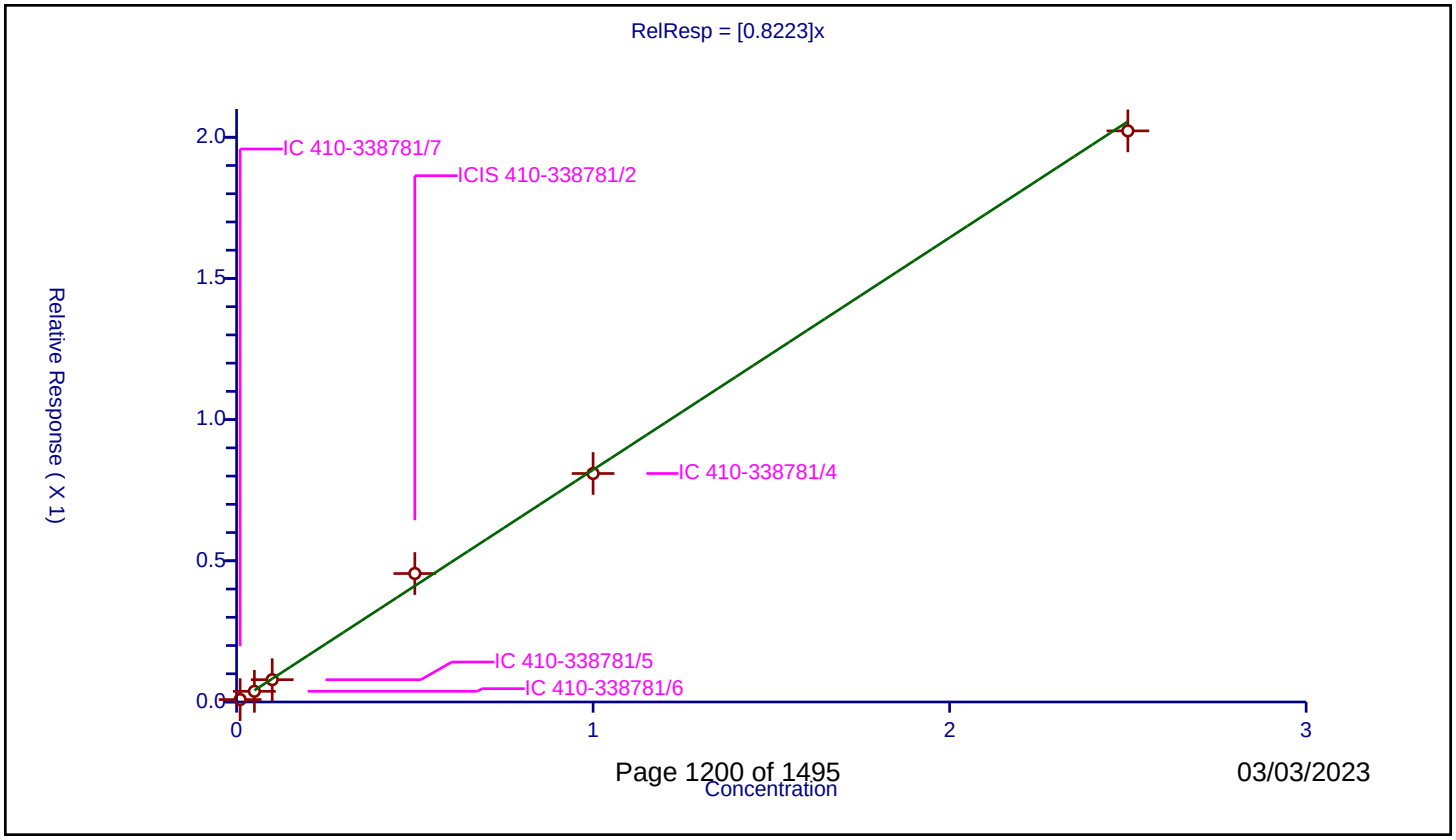
Curve Coefficients

Intercept:	0
Slope:	0.8223

Error Coefficients

Standard Error:	1250000
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 410-338781/7	0.01	0.00859	0.25	179947.0	0.859003	Y
2	IC 410-338781/6	0.05	0.037841	0.25	246638.0	0.756818	Y
3	IC 410-338781/5	0.1	0.078965	0.25	253471.0	0.789647	Y
4	ICIS 410-338781/2	0.5	0.454988	0.25	255768.0	0.909975	Y
5	IC 410-338781/4	1.0	0.809234	0.25	296584.0	0.809234	Y
6	IC 410-338781/3	2.5	2.022566	0.25	318093.0	0.809026	Y



Calibration / Benzo[a]pyrene

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

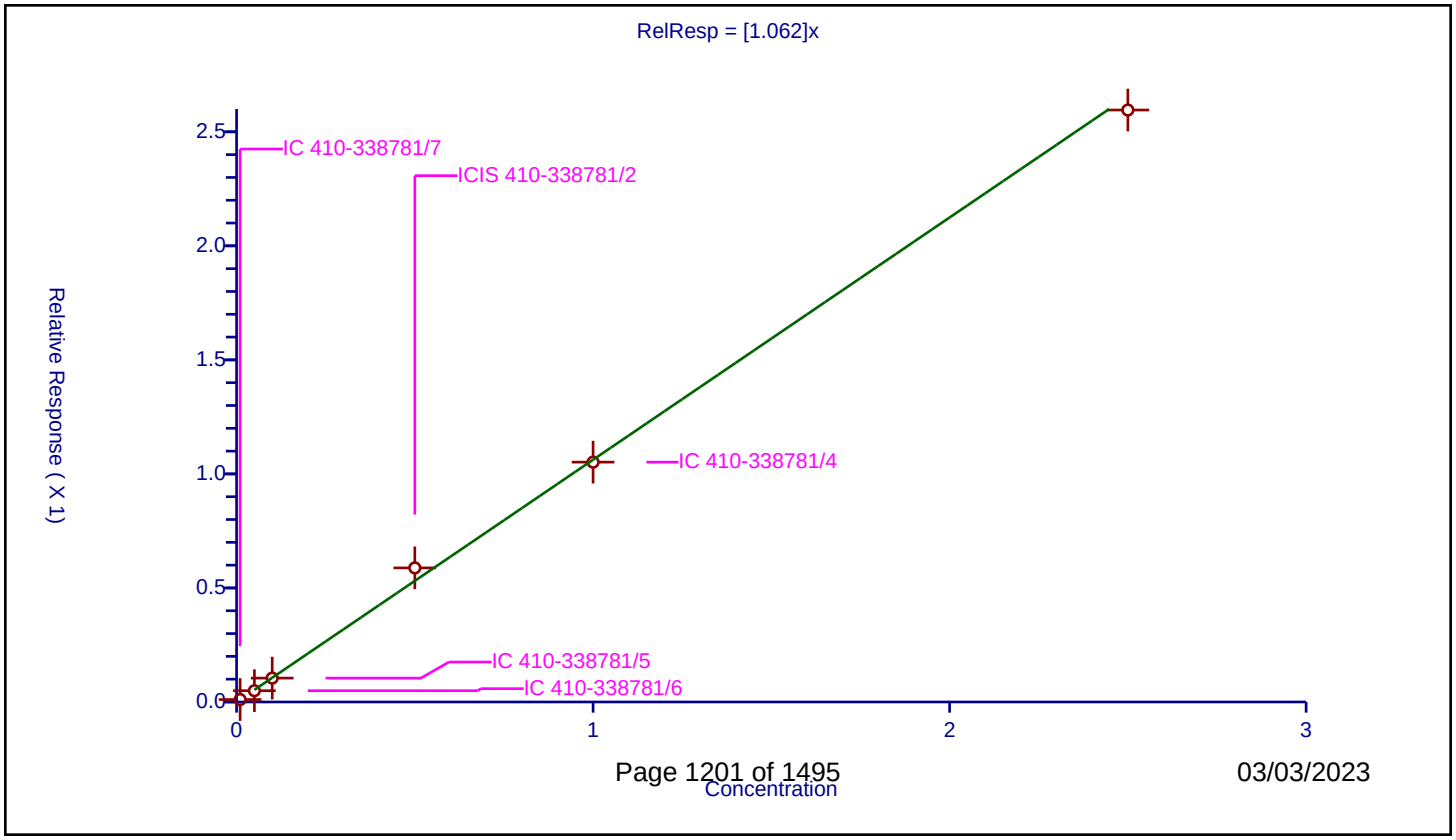
Curve Coefficients

Intercept:	0
Slope:	1.062

Error Coefficients

Standard Error:	1600000
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 410-338781/7	0.01	0.010703	0.25	179947.0	1.070315	Y
2	IC 410-338781/6	0.05	0.049482	0.25	246638.0	0.989649	Y
3	IC 410-338781/5	0.1	0.104737	0.25	253471.0	1.047368	Y
4	ICIS 410-338781/2	0.5	0.58792	0.25	255768.0	1.175839	Y
5	IC 410-338781/4	1.0	1.051673	0.25	296584.0	1.051673	Y
6	IC 410-338781/3	2.5	2.595522	0.25	318093.0	1.038209	Y



Calibration / Perylene

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

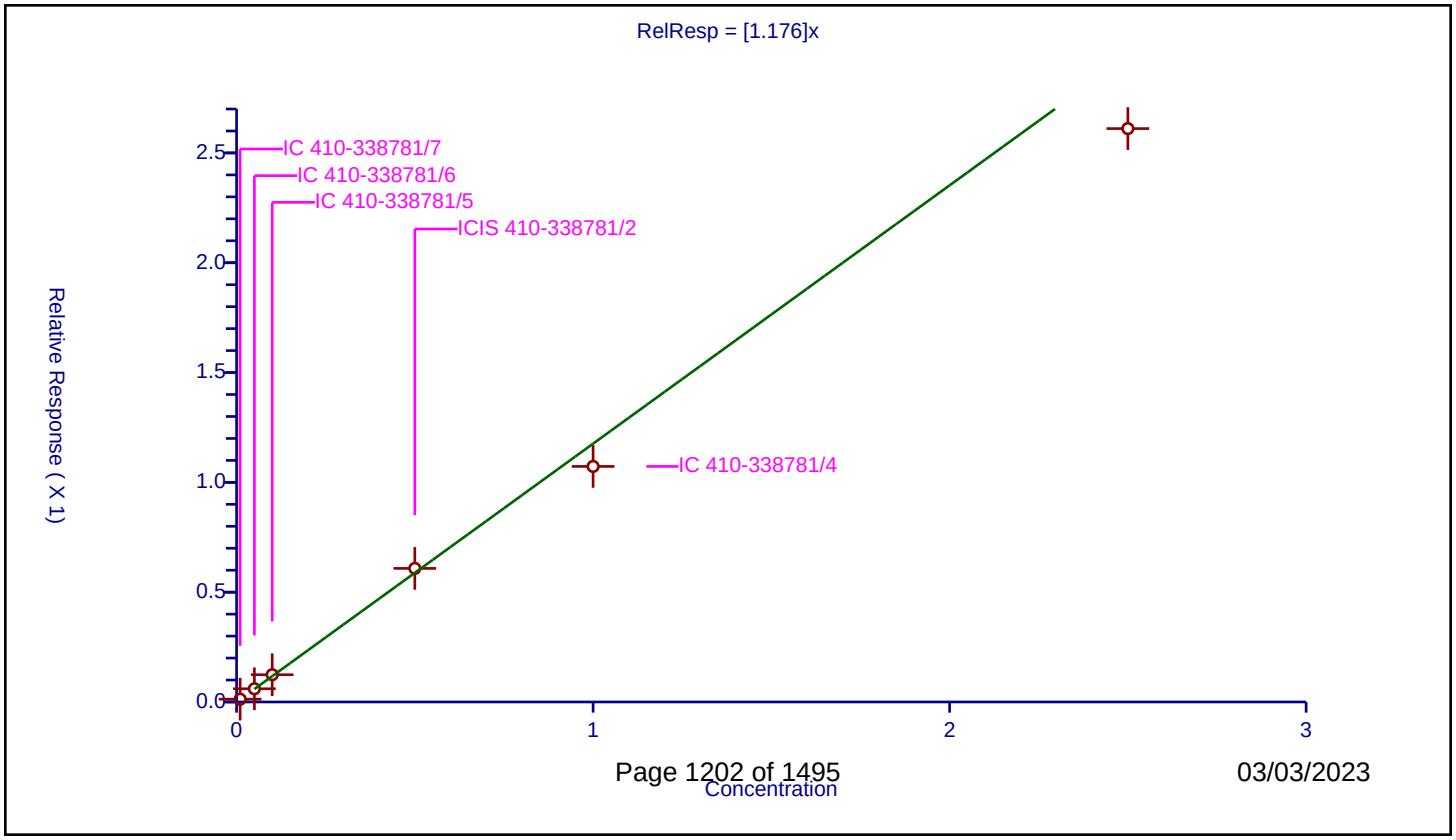
Curve Coefficients

Intercept:	0
Slope:	1.176

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.012793	0.25	179947.0	1.279266	Y
2	IC 410-338781/6	0.05	0.06011	0.25	246638.0	1.202207	Y
3	IC 410-338781/5	0.1	0.124207	0.25	253471.0	1.242065	Y
4	ICIS 410-338781/2	0.5	0.608263	0.25	255768.0	1.216526	Y
5	IC 410-338781/4	1.0	1.072619	0.25	296584.0	1.072619	Y
6	IC 410-338781/3	2.5	2.61092	0.25	318093.0	1.044368	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

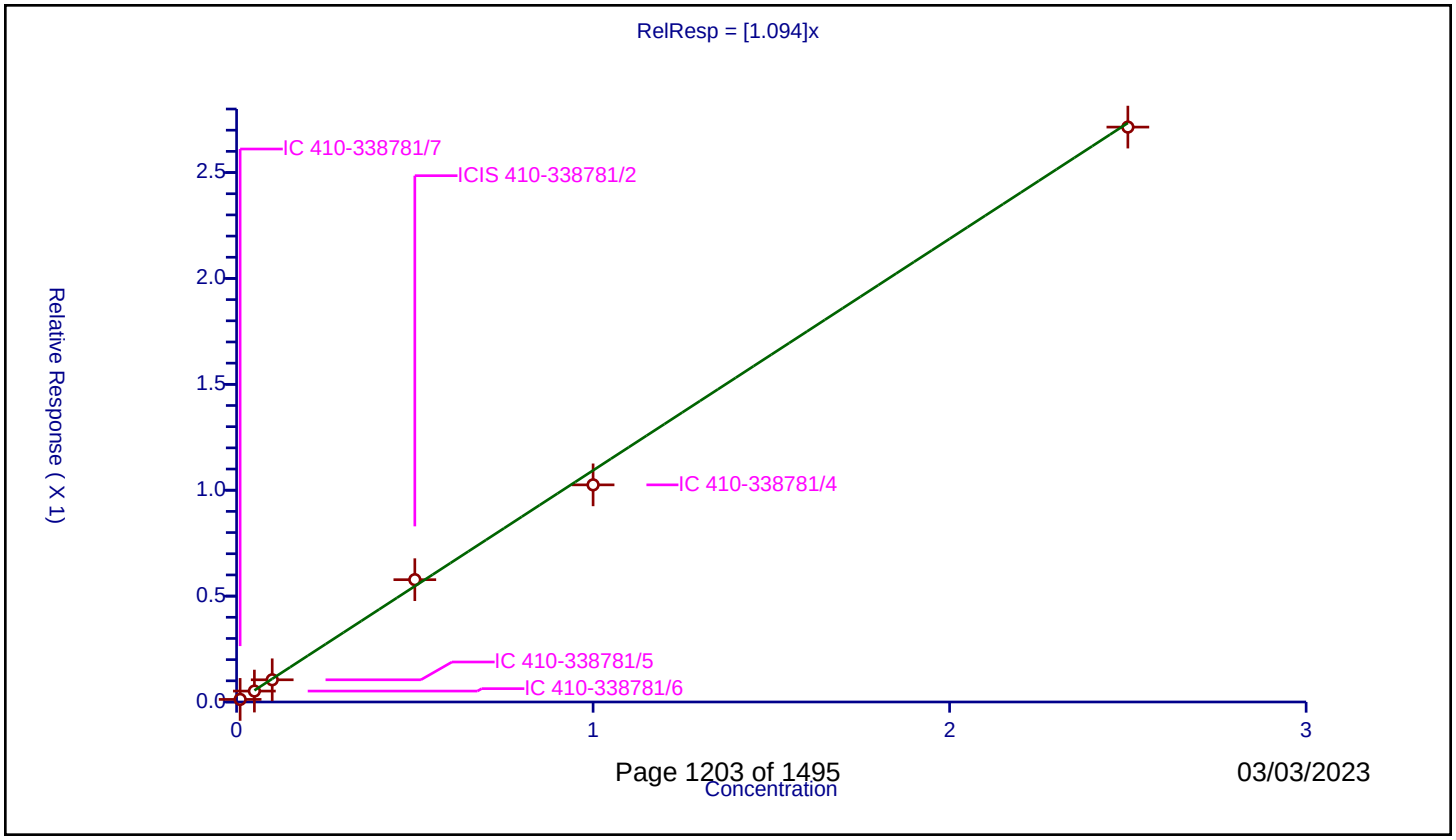
Curve Coefficients

Intercept:	0
Slope:	1.094

Error Coefficients

Standard Error:	1660000
Relative Standard Error:	7.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.012162	0.25	179947.0	1.216191	Y
2	IC 410-338781/6	0.05	0.051576	0.25	246638.0	1.031512	Y
3	IC 410-338781/5	0.1	0.104769	0.25	253471.0	1.047694	Y
4	ICIS 410-338781/2	0.5	0.577549	0.25	255768.0	1.155098	Y
5	IC 410-338781/4	1.0	1.025301	0.25	296584.0	1.025301	Y
6	IC 410-338781/3	2.5	2.714581	0.25	318093.0	1.085832	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

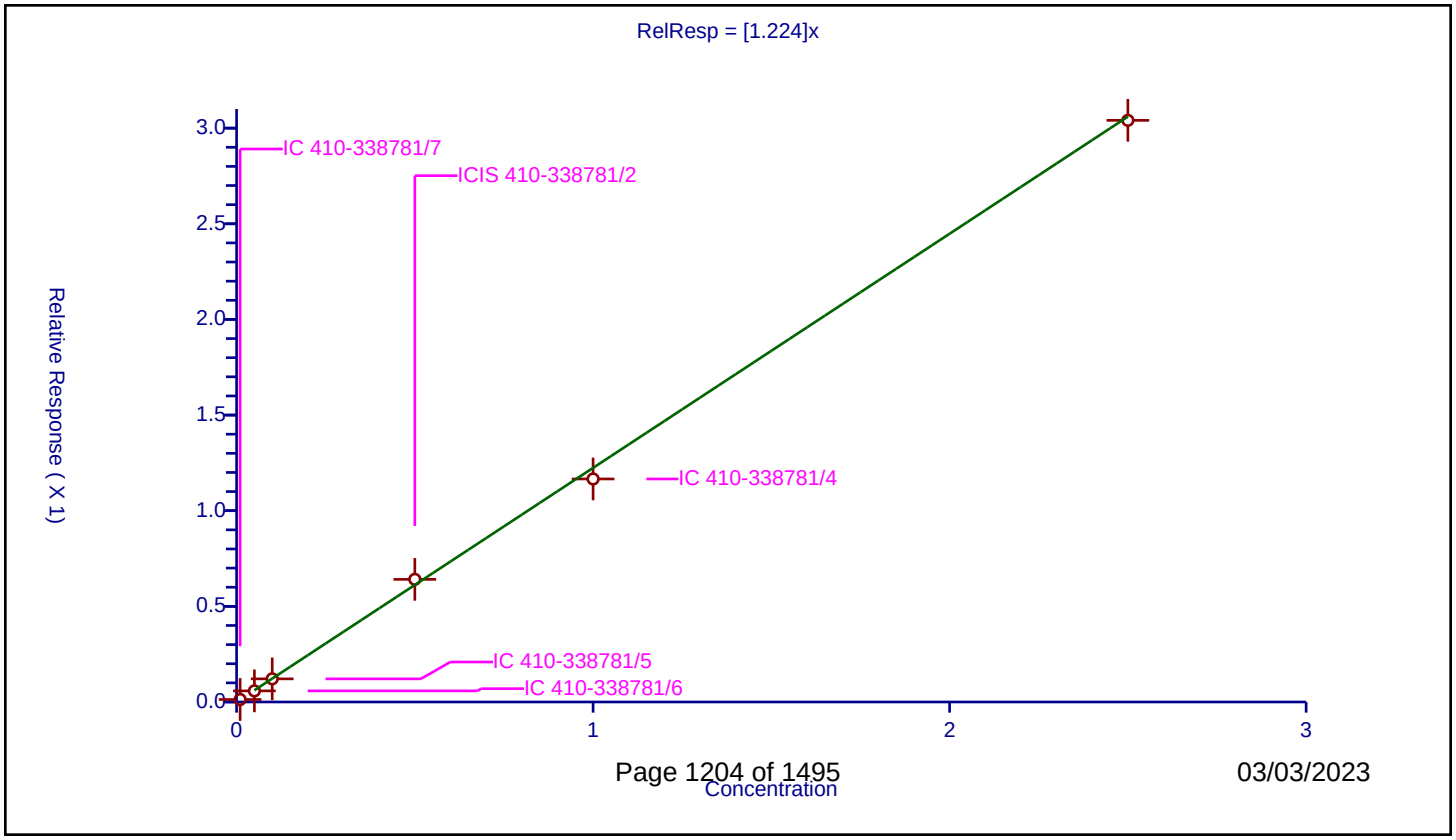
Curve Coefficients

Intercept:	0
Slope:	1.224

Error Coefficients

Standard Error:	1860000
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 410-338781/7	0.01	0.013086	0.25	179947.0	1.30858	Y
2	IC 410-338781/6	0.05	0.058058	0.25	246638.0	1.161155	Y
3	IC 410-338781/5	0.1	0.120964	0.25	253471.0	1.209635	Y
4	ICIS 410-338781/2	0.5	0.641092	0.25	255768.0	1.282183	Y
5	IC 410-338781/4	1.0	1.166025	0.25	296584.0	1.166025	Y
6	IC 410-338781/3	2.5	3.040715	0.25	318093.0	1.216286	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

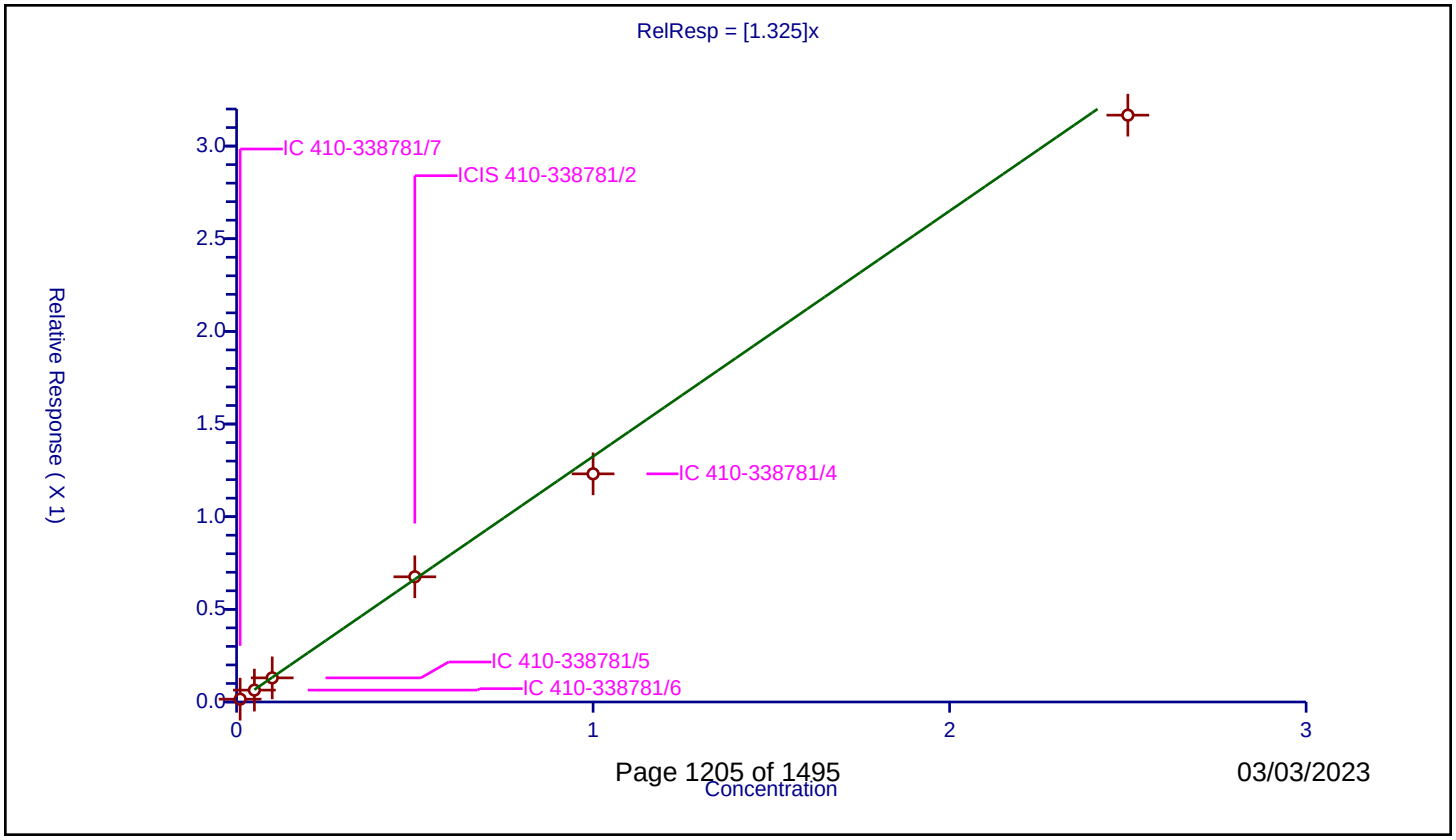
Curve Coefficients

Intercept:	0
Slope:	1.325

Error Coefficients

Standard Error:	1940000
Relative Standard Error:	7.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-338781/7	0.01	0.015163	0.25	179947.0	1.51628	Y
2	IC 410-338781/6	0.05	0.064127	0.25	246638.0	1.282548	Y
3	IC 410-338781/5	0.1	0.130228	0.25	253471.0	1.302279	Y
4	ICIS 410-338781/2	0.5	0.675591	0.25	255768.0	1.351182	Y
5	IC 410-338781/4	1.0	1.231262	0.25	296584.0	1.231262	Y
6	IC 410-338781/3	2.5	3.166853	0.25	318093.0	1.266741	Y



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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2023 22:48 Calibration End Date: 02/22/2023 01:02 Calibration ID: 47415

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-346701/7	NB0456.D
Level 2	IC 410-346701/6	NB0455.D
Level 3	IC 410-346701/5	NB0454.D
Level 4	ICIS 410-346701/2	NB0451a.D
Level 5	IC 410-346701/4	NB0453.D
Level 6	IC 410-346701/3	NB0452.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.5985 0.5125	0.5323	0.5780	0.5845	0.5219	Ave		0.5546				6.6		20.4			
N-Nitrosodimethylamine	0.4819 0.6717	0.6051	0.6195	0.7507	0.6898	Ave		0.6364				14.4		20.4			
Bis(2-chloroethyl)ether	0.4039 0.3238	0.3685	0.3686	0.3963	0.3479	Ave		0.3682				8.1		20.4			
Naphthalene	2.0393 0.7800	1.1850	1.0729	0.9790	0.8719	Lin2	0.0116	0.8968							0.9920		0.9900
Quinoline	0.7987 0.4808	0.5921	0.5862	0.5891	0.5081	Ave		0.5925				18.8		20.4			
2-Methylnaphthalene	0.8886 0.5088	0.6796	0.6608	0.6363	0.5583	Ave		0.6554				20.0		20.4			
1-Methylnaphthalene	0.6958 0.4557	0.5756	0.5707	0.5591	0.4965	Ave		0.5589				14.7		20.4			
Dimethylphthalate	1.1534 0.9626	1.1657	1.1419	1.1006	0.9527	Ave		1.0795				9.0		20.4			
Acenaphthylene	2.1167 1.6761	1.8659	1.9259	1.9658	1.7123	Ave		1.8771				8.8		20.4			
Acenaphthene	1.3703 0.9896	1.0656	1.1245	1.1060	0.9982	Ave		1.1090				12.6		20.4			
Dibenzofuran	2.1295 1.4727	1.7347	1.7847	1.7674	1.5122	Ave		1.7335				13.6		20.4			
Diethylphthalate	1.0621 0.9374	1.0931	1.1273	1.0817	0.9078	Ave		1.0349				8.7		20.4			
Fluorene	1.5272 1.1073	1.2227	1.2695	1.2495	1.1296	Ave		1.2510				12.0		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2023 22:48 Calibration End Date: 02/22/2023 01:02 Calibration ID: 47415

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodiphenylamine	0.5078 0.3724	0.4256	0.4460	0.4573	0.3876	Ave		0.4328				11.4		20.4			
Hexachlorobenzene	0.3201 0.2316	0.2670	0.2682	0.2743	0.2415	Ave		0.2671				11.6		20.4			
Phenanthrene	1.7114 0.9513	1.1389	1.1285	1.0945	0.9759	Lin2	0.0070	1.0101							0.9970		0.9900
Anthracene	1.1781 0.9276	0.9799	1.0087	1.0420	0.9440	Ave		1.0134				9.0		20.4			
Di-n-butyl phthalate	1.2995 0.8632	0.9316	0.9325	0.9539	0.8541	Ave		0.9725				17.0		20.4			
Fluoranthene	1.2882 0.8707	1.0159	1.0306	0.9821	0.8608	Ave		1.0080				15.4		20.4			
Pyrene	2.1946 1.4223	1.6774	1.7149	1.7564	1.5043	Ave		1.7117				15.7		20.4			
Butylbenzylphthalate	0.4264 0.5550	0.4833	0.5148	0.6279	0.5403	Ave		0.5246				13.0		20.4			
Benzo[a]anthracene	1.4332 1.1808	1.1698	1.2441	1.3834	1.1972	Ave		1.2681				8.9		20.4			
Chrysene	1.4201 1.1866	1.2380	1.2699	1.3647	1.1831	Ave		1.2771				7.6		20.4			
Bis(2-ethylhexyl) phthalate	0.5236 0.7111	0.5617	0.6399	0.7726	0.6584	Ave		0.6446				14.3		20.4			
Di-n-octyl phthalate	0.8609 1.1448	0.9767	1.1354	1.3371	1.1368	Ave		1.0986				14.9		20.4			
Benzo[b]fluoranthene	1.2790 1.0423	1.1337	1.2646	1.2545	1.1206	Ave		1.1825				8.2		20.4			
Benzo[k]fluoranthene	1.4391 1.1437	1.3864	1.3836	1.3791	1.1695	Ave		1.3169				9.6		20.4			
Benzo[e]pyrene	1.3499 1.0785	1.2108	1.2616	1.2885	1.1215	Ave		1.2185				8.5		20.4			
Benzo[a]pyrene	1.1260 0.9830	1.0989	1.1579	1.1995	1.0594	Ave		1.1041				6.9		20.4			
Perylene	1.1910 1.0133	1.1451	1.2452	1.2396	1.1028	Ave		1.1562				7.7		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-115936-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2023 22:48 Calibration End Date: 02/22/2023 01:02 Calibration ID: 47415

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Indeno[1,2,3-cd]pyrene	0.8488 0.8463	0.7755	0.8041	0.9350	0.8120	Ave		0.8370				6.6		20.4			
Dibenz(a,h)anthracene	0.8285 0.9144	0.8055	0.8894	0.9998	0.9089	Ave		0.8911				7.8		20.4			
Benzo[g,h,i]perylene	1.1635 1.0129	0.9817	1.0807	1.1586	1.0376	Ave		1.0725				7.1		20.4			
1-Methylnaphthalene-d10 (Surr)	0.4990 0.3638	0.4463	0.4429	0.4578	0.4005	Ave		0.4351				10.8		20.4			
Fluoranthene-d10 (Surr)	0.8958 0.7420	0.8068	0.8418	0.8294	0.7320	Ave		0.8080				7.7		20.4			
Benzo(a)pyrene-d12 (Surr)	0.8536 0.7837	0.8155	0.8640	0.9122	0.8034	Ave		0.8387				5.6		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2023 22:48 Calibration End Date: 02/22/2023 01:02 Calibration ID: 47415

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-346701/7	NB0456.D
Level 2	IC 410-346701/6	NB0455.D
Level 3	IC 410-346701/5	NB0454.D
Level 4	ICIS 410-346701/2	NB0451a.D
Level 5	IC 410-346701/4	NB0453.D
Level 6	IC 410-346701/3	NB0452.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	1371 263790	5830	12912	58081	114794	0.0100 2.50	0.0500	0.100	0.500	1.00
N-Nitrosodimethylamine	DCBd 4	Ave	1104 345741	6628	13840	74593	151720	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-chloroethyl)ether	NPT	Ave	3191 600803	13992	28263	135031	264036	0.0100 2.50	0.0500	0.100	0.500	1.00
Naphthalene	NPT	Lin2	16111 1447177	44996	82270	333590	661766	0.0100 2.50	0.0500	0.100	0.500	1.00
Quinoline	NPT	Ave	6310 892001	22483	44950	200752	385654	0.0100 2.50	0.0500	0.100	0.500	1.00
2-Methylnaphthalene	NPT	Ave	7020 944014	25808	50666	216820	423702	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene	NPT	Ave	5497 845418	21856	43758	190524	376809	0.0100 2.50	0.0500	0.100	0.500	1.00
Dimethylphthalate	ANT	Ave	99203 2793250	193589	374221	797176	1522750	0.250 10.0	0.500	1.00	2.50	5.00
Acenaphthylene	ANT	Ave	7282 1215977	30987	63111	284759	547359	0.0100 2.50	0.0500	0.100	0.500	1.00
Acenaphthene	ANT	Ave	4714 717915	17697	36851	160213	319085	0.0100 2.50	0.0500	0.100	0.500	1.00
Dibenzofuran	ANT	Ave	7326 1068394	28809	58484	256026	483389	0.0100 2.50	0.0500	0.100	0.500	1.00
Diethylphthalate	ANT	Ave	91346 2720303	181535	369409	783468	1450962	0.250 10.0	0.500	1.00	2.50	5.00
Fluorene	ANT	Ave	5254	20306	41601	180994	361098	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2023 22:48 Calibration End Date: 02/22/2023 01:02 Calibration ID: 47415

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
			803272					2.50				
N-Nitrosodiphenylamine	PHN	Ave	2608 429363	10993	23420	101679	188639	0.0100 2.50	0.0500	0.100	0.500	1.00
Hexachlorobenzene	PHN	Ave	1644 267069	6896	14081	60979	117517	0.0100 2.50	0.0500	0.100	0.500	1.00
Phenanthrene	PHN	Lin2	8790 1096869	29417	59252	243356	474972	0.0100 2.50	0.0500	0.100	0.500	1.00
Anthracene	PHN	Ave	6051 1069563	25312	52965	231672	459467	0.0100 2.50	0.0500	0.100	0.500	1.00
Di-n-butyl phthalate	PHN	Ave	166855 3981284	240629	489629	1060459	2078455	0.250 10.0	0.500	1.00	2.50	5.00
Fluoranthene	PHN	Ave	6616 1003924	26242	54113	218351	418943	0.0100 2.50	0.0500	0.100	0.500	1.00
Pyrene	CRY	Ave	6549 1086729	26479	56404	229902	449155	0.0100 2.50	0.0500	0.100	0.500	1.00
Butylbenzylphthalate	CRY	Ave	31812 1696215	76291	169328	410910	806652	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[a]anthracene	CRY	Ave	4277 902197	18466	40918	181084	357456	0.0100 2.50	0.0500	0.100	0.500	1.00
Chrysene	CRY	Ave	4238 906616	19543	41767	178632	353237	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	39066 2173348	88674	210453	505657	982915	0.250 10.0	0.500	1.00	2.50	5.00
Di-n-octyl phthalate	PRY	Ave	54035 3607351	130389	316439	821647	1589430	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[b]fluoranthene	PRY	Ave	3211 821097	15135	35243	154187	313358	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[k]fluoranthene	PRY	Ave	3613 901003	18509	38559	169503	327012	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[e]pyrene	PRY	Ave	3389 849626	16165	35160	158357	313598	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[a]pyrene	PRY	Ave	2827 774424	14671	32271	147419	296243	0.0100 2.50	0.0500	0.100	0.500	1.00
Perylene	PRY	Ave	2990 798265	15287	34703	152354	308368	0.0100 2.50	0.0500	0.100	0.500	1.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	2131	10353	22410	114921	227044	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 Envirc Job No.: 410-115936-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2023 22:48 Calibration End Date: 02/22/2023 01:02 Calibration ID: 47415

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
			666708					2.50				
Dibenz(a,h)anthracene	PRY	Ave	2080 720366	10753	24787	122877	254139	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[g,h,i]perylene	PRY	Ave	2921 797973	13106	30117	142399	290128	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene-d10 (Surr)	NPT	Ave	3942 674903	16949	33963	156012	303980	0.0100 2.50	0.0500	0.100	0.500	1.00
Fluoranthene-d10 (Surr)	PHN	Ave	4601 855511	20840	44199	184416	356275	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo(a)pyrene-d12 (Surr)	PRY	Ave	2143 617387	10887	24078	112119	224662	0.0100 2.50	0.0500	0.100	0.500	1.00

Curve Type Legend

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-115936-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2023 22:48 Calibration End Date: 02/22/2023 01:02 Calibration ID: 47415

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-346701/7	NB0456.D
Level 2	IC 410-346701/6	NB0455.D
Level 3	IC 410-346701/5	NB0454.D
Level 4	ICIS 410-346701/2	NB0451a.D
Level 5	IC 410-346701/4	NB0453.D
Level 6	IC 410-346701/3	NB0452.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
Naphthalene	-2.0	6.3	6.7	6.6	-4.1	-13.5	50	30	30	30	30	30
Phenanthrene	-0.3	-1.2	4.7	7.0	-4.1	-6.1	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0451a.D
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 21-Feb-2023 22:48:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L4
Misc. Info.: 410-0077517-002
Operator ID: kel10217 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Feb-2023 03:33:33 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: SJ89 Date: 21-Feb-2023 23:33:37

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	1.731	1.731	0.000	90	58081	0.5000	0.5270	
2 N-Nitrosodimethylamine	74	2.038	2.038	0.000	86	74593	0.5000	0.5897	
3 Bis(2-chloroethyl)ether	93	4.307	4.307	0.000	94	135031	0.5000	0.5382	
* 4 1,4-Dichlorobenzene-d4	152	4.569	4.569	0.000	95	49684	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.769	5.769	0.000	100	170375	0.2500	0.2500	M
6 Naphthalene	128	5.781	5.781	0.000	98	333590	0.5000	0.5329	
7 Quinoline	129	6.106	6.106	0.000	95	200752	0.5000	0.4972	
8 2-Methylnaphthalene	142	6.439	6.439	0.000	100	216820	0.5000	0.4854	
$ 9 1-Methylnaphthalene-d10	152	6.499	6.499	0.000	99	156012	0.5000	0.5262	
10 1-Methylnaphthalene	142	6.529	6.529	0.000	93	190524	0.5000	0.5002	
11 Dimethyl phthalate	163	7.170	7.170	0.000	97	797176	2.50	2.55	
12 Acenaphthylene	152	7.290	7.290	0.000	99	284759	0.5000	0.5236	
* 13 Acenaphthene-d10	164	7.430	7.430	0.000	95	72429	0.2500	0.2500	
14 Acenaphthene	154	7.461	7.461	0.000	95	160213	0.5000	0.4986	
15 Dibenzofuran	168	7.625	7.625	0.000	98	256026	0.5000	0.5098	
16 Diethyl phthalate	149	7.841	7.841	0.000	99	783468	2.50	2.61	
17 Fluorene	166	7.949	7.949	0.000	100	180994	0.5000	0.4994	
18 N-Nitrosodiphenylamine	169	8.065	8.065	0.000	96	101679	0.5000	0.5283	
19 Hexachlorobenzene	284	8.466	8.466	0.000	96	60979	0.5000	0.5134	
* 20 Phenanthrene-d10	188	8.837	8.837	0.000	98	111170	0.2500	0.2500	
21 Phenanthrene	178	8.860	8.860	0.000	100	243356	0.5000	0.5348	
22 Anthracene	178	8.914	8.914	0.000	100	231672	0.5000	0.5141	
23 Di-n-butyl phthalate	149	9.407	9.407	0.000	100	1060459	2.50	2.45	
$ 24 Fluoranthene-d10 (Surr)	212	9.972	9.972	0.000	99	184416	0.5000	0.5133	
25 Fluoranthene	202	9.990	9.990	0.000	100	218351	0.5000	0.4871	
26 Pyrene	202	10.210	10.210	0.000	97	229902	0.5000	0.5131	
27 Butyl benzyl phthalate	149	10.889	10.889	0.000	100	410910	2.50	2.99	
28 Benzo[a]anthracene	228	11.502	11.502	0.000	99	181084	0.5000	0.5455	
* 29 Chrysene-d12	240	11.517	11.517	0.000	100	65447	0.2500	0.2500	
30 Chrysene	228	11.548	11.548	0.000	100	178632	0.5000	0.5343	

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	11.579	11.579	0.000	99	505657	2.50	3.00	
32 Di-n-octyl phthalate	149	12.468	12.468	0.000	100	821647	2.50	3.04	
33 Benzo[b]fluoranthene	252	12.936	12.936	0.000	100	154187	0.5000	0.5305	
34 Benzo[k]fluoranthene	252	12.982	12.982	0.000	100	169503	0.5000	0.5236	
35 Benzo[e]pyrene	252	13.335	13.335	0.000	100	158357	0.5000	0.5287	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.373	13.373	0.000	99	112119	0.5000	0.5438	
37 Benzo[a]pyrene	252	13.412	13.412	0.000	100	147419	0.5000	0.5432	
* 38 Perylene-d12	264	13.496	13.496	0.000	96	61452	0.2500	0.2500	
39 Perylene	252	13.527	13.527	0.000	100	152354	0.5000	0.5361	
40 Indeno[1,2,3-cd]pyrene	276	15.150	15.150	0.000	97	114921	0.5000	0.5586	
41 Dibenz(a,h)anthracene	278	15.206	15.206	0.000	98	122877	0.5000	0.5610	
42 Benzo[g,h,i]perylene	276	15.616	15.616	0.000	100	142399	0.5000	0.5402	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00027 Amount Added: 1.00 Units: mL

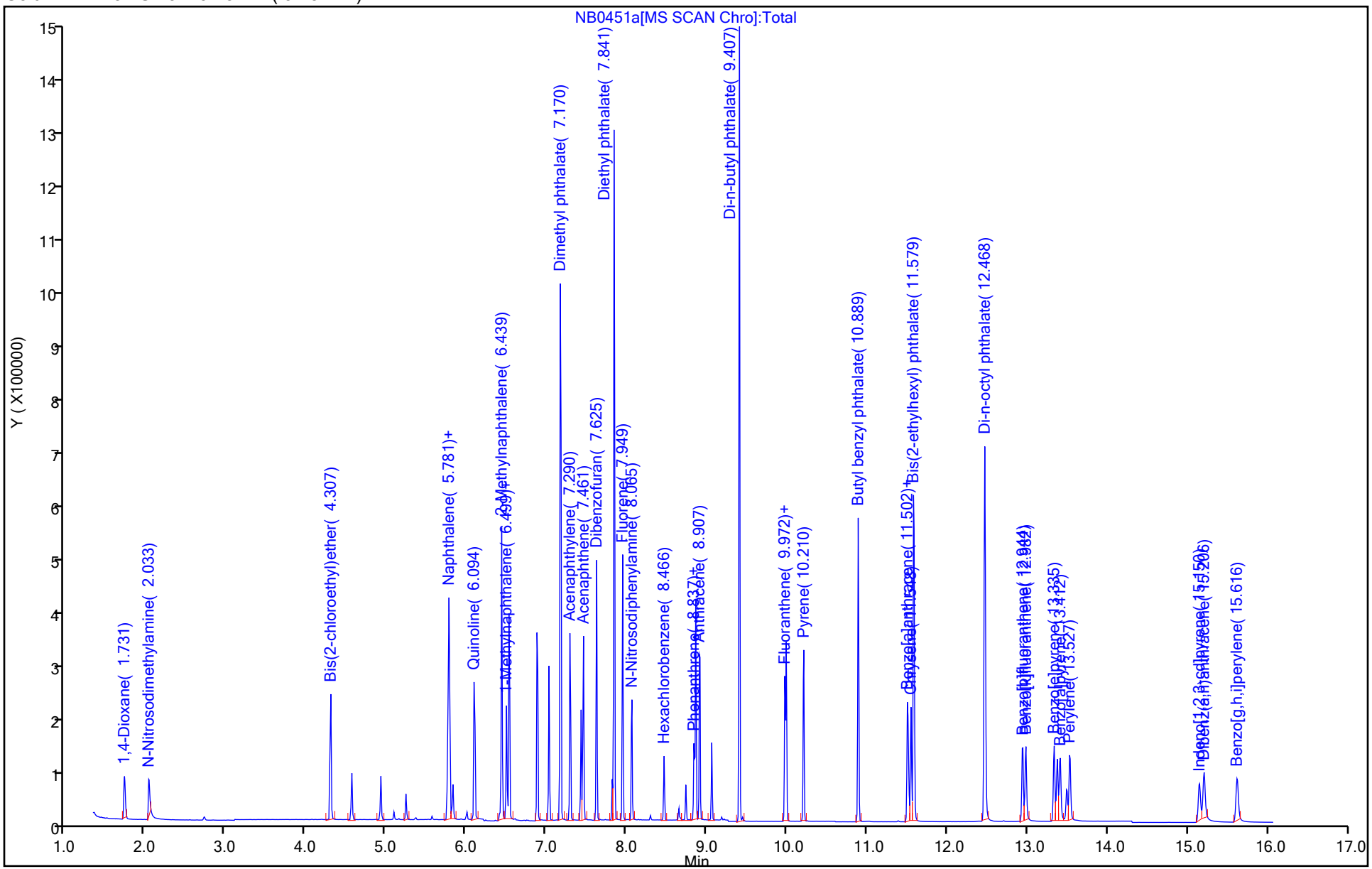
Report Date: 22-Feb-2023 03:33:34 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0451a.D

Injection Date:	21-Feb-2023 22:48:30	Instrument ID:	HP23263	Operator ID:	kel10217
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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

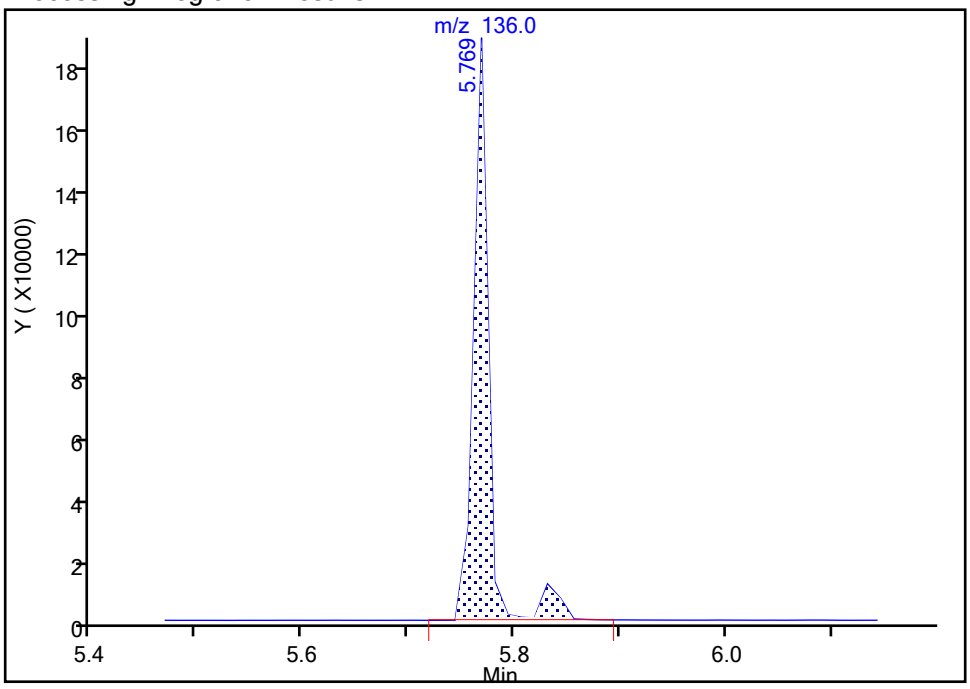
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0451a.D				
Injection Date:	21-Feb-2023 22:48:30	Instrument ID:	HP23263		
Lims ID:	ICIS L4				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	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

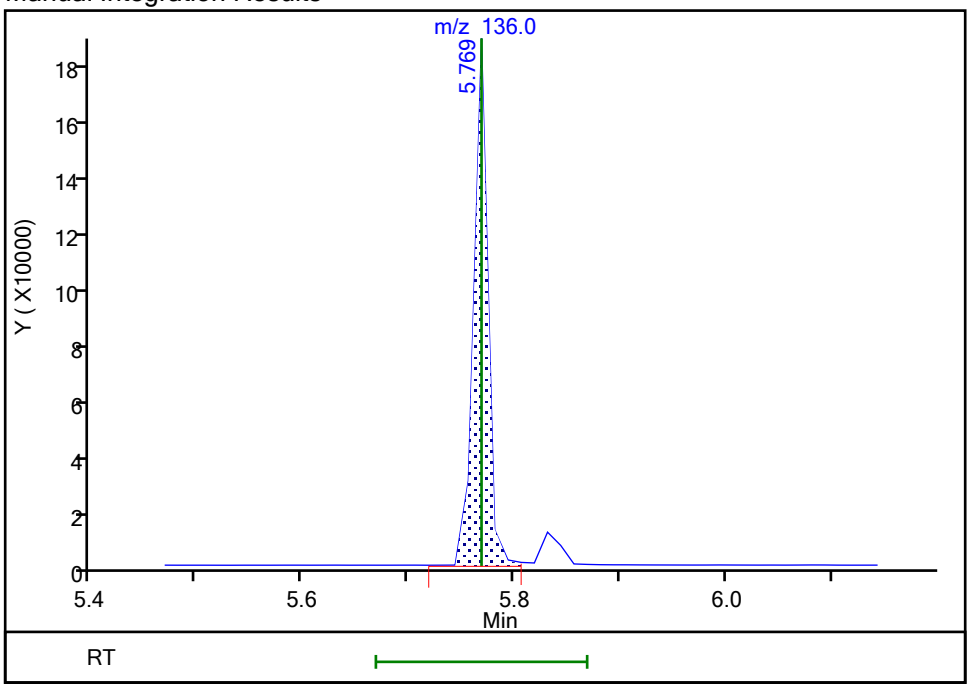
Processing Integration Results

RT: 5.77
Area: 185299
Amount: 0.250000
Amount Units: ug/ml



Manual Integration Results

RT: 5.77
Area: 170375
Amount: 0.250000
Amount Units: ug/ml



Reviewer: SJ89, 21-Feb-2023 23:27:44

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\HP23263\20230221-77517.b\NB0452.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Feb-2023 23:35:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6
Misc. Info.: 410-0077517-003
Operator ID: kel10217 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Feb-2023 03:33:36 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: UJM0 Date: 22-Feb-2023 03:18:30

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	1.727	1.731	-0.004	90	263790	2.50	2.31	
2 N-Nitrosodimethylamine	74	2.025	2.038	-0.013	83	345741	2.50	2.64	
3 Bis(2-chloroethyl)ether	93	4.306	4.307	-0.001	95	600803	2.50	2.20	
* 4 1,4-Dichlorobenzene-d4	152	4.569	4.569	0.000	95	51473	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.769	5.769	0.000	100	185528	0.2500	0.2500	
6 Naphthalene	128	5.781	5.781	0.000	98	1447177	2.50	2.16	
7 Quinoline	129	6.106	6.106	0.000	95	892001	2.50	2.03	
8 2-Methylnaphthalene	142	6.436	6.439	-0.003	98	944014	2.50	1.94	
$ 9 1-Methylnaphthalene-d10	152	6.497	6.499	-0.003	99	674903	2.50	2.09	
10 1-Methylnaphthalene	142	6.537	6.529	0.008	96	845418	2.50	2.04	
11 Dimethyl phthalate	163	7.178	7.170	0.008	98	2793250	10.0	8.92	
12 Acenaphthylene	152	7.298	7.290	0.008	98	1215977	2.50	2.23	
* 13 Acenaphthene-d10	164	7.428	7.430	-0.002	87	72546	0.2500	0.2500	
14 Acenaphthene	154	7.458	7.461	-0.002	100	717915	2.50	2.23	
15 Dibenzofuran	168	7.625	7.625	-0.001	99	1068394	2.50	2.12	
16 Diethyl phthalate	149	7.841	7.841	0.000	99	2720303	10.0	9.06	
17 Fluorene	166	7.949	7.949	0.000	100	803272	2.50	2.21	
18 N-Nitrosodiphenylamine	169	8.065	8.065	0.000	96	429363	2.50	2.15	
19 Hexachlorobenzene	284	8.466	8.466	0.000	100	267069	2.50	2.17	
* 20 Phenanthrene-d10	188	8.845	8.837	0.008	100	115305	0.2500	0.2500	
21 Phenanthrene	178	8.860	8.860	0.000	100	1096869	2.50	2.35	
22 Anthracene	178	8.914	8.914	0.000	100	1069563	2.50	2.29	
23 Di-n-butyl phthalate	149	9.409	9.407	0.002	100	3981284	10.0	8.88	
$ 24 Fluoranthene-d10 (Surr)	212	9.979	9.972	0.007	98	855511	2.50	2.30	
25 Fluoranthene	202	9.992	9.990	0.002	100	1003924	2.50	2.16	
26 Pyrene	202	10.211	10.210	0.001	98	1086729	2.50	2.08	
27 Butyl benzyl phthalate	149	10.890	10.889	0.001	100	1696215	10.0	10.6	
28 Benzo[a]anthracene	228	11.503	11.502	0.001	98	902197	2.50	2.33	
* 29 Chrysene-d12	240	11.519	11.517	0.002	49	76404	0.2500	0.2500	
30 Chrysene	228	11.549	11.548	0.001	100	906616	2.50	2.32	

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	11.580	11.579	0.001	99	2173348	10.0	11.0	
32 Di-n-octyl phthalate	149	12.470	12.468	0.002	100	3607351	10.0	10.4	
33 Benzo[b]fluoranthene	252	12.945	12.936	0.009	99	821097	2.50	2.20	
34 Benzo[k]fluoranthene	252	12.984	12.982	0.002	100	901003	2.50	2.17	
35 Benzo[e]pyrene	252	13.336	13.335	0.001	100	849626	2.50	2.21	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.375	13.373	0.002	99	617387	2.50	2.34	
37 Benzo[a]pyrene	252	13.413	13.412	0.001	100	774424	2.50	2.23	
* 38 Perylene-d12	264	13.497	13.496	0.001	97	78779	0.2500	0.2500	
39 Perylene	252	13.536	13.527	0.009	100	798265	2.50	2.19	
40 Indeno[1,2,3-cd]pyrene	276	15.150	15.150	0.000	98	666708	2.50	2.53	
41 Dibenz(a,h)anthracene	278	15.207	15.206	0.001	99	720366	2.50	2.57	
42 Benzo[g,h,i]perylene	276	15.624	15.616	0.008	100	797973	2.50	2.36	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_6_00017 Amount Added: 1.00 Units: mL

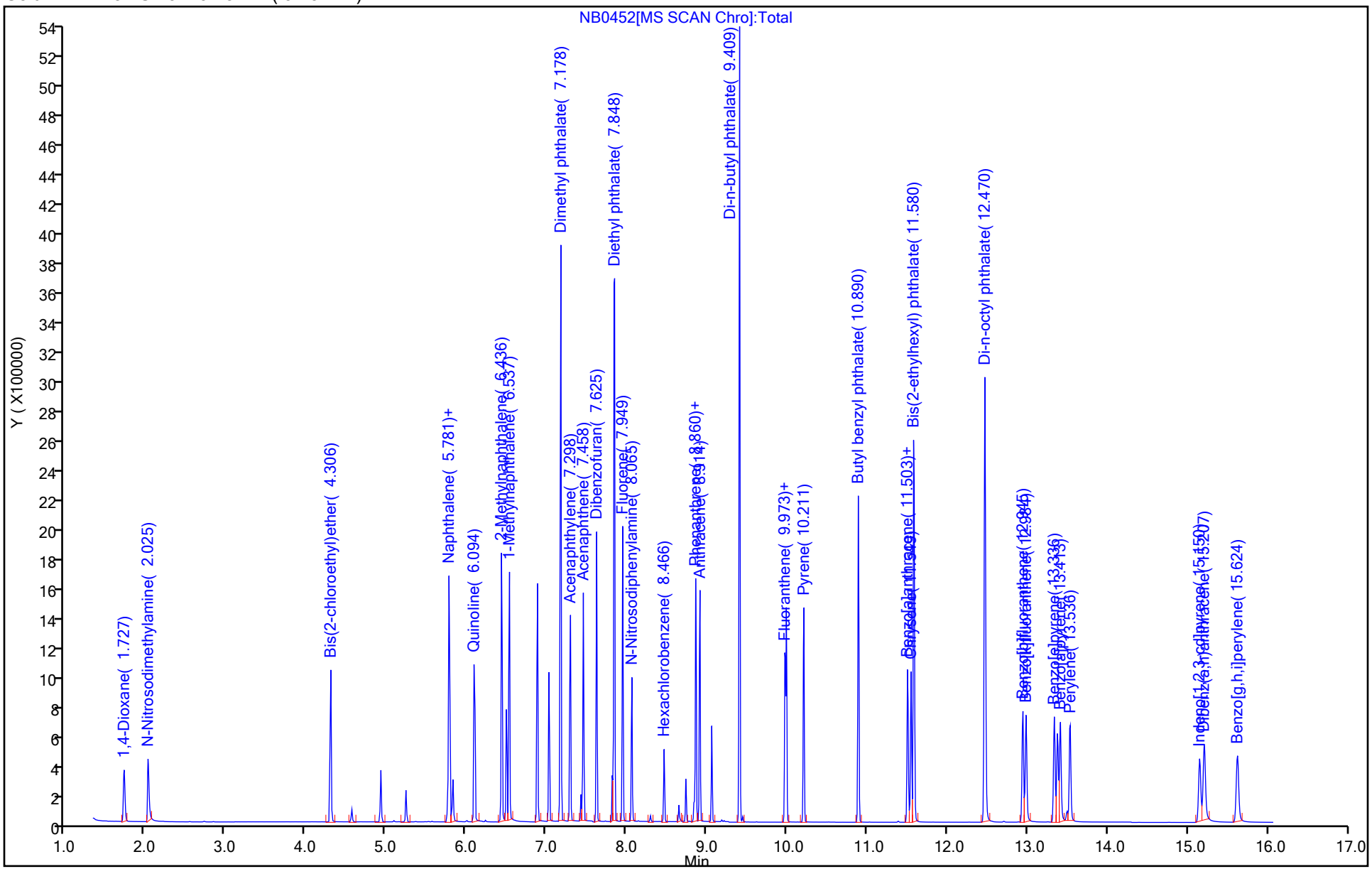
Report Date: 22-Feb-2023 03:33:36 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0452.D

Injection Date:	21-Feb-2023 23:35:30	Instrument ID:	HP23263	Operator ID:	kel10217
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)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0453.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Feb-2023 23:57:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0077517-004
Operator ID: kel10217 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Feb-2023 03:33:39 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: UJM0 Date: 22-Feb-2023 03:19:14

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	1.727	1.731	-0.004	88	114794	1.00	0.9410	
2 N-Nitrosodimethylamine	74	2.029	2.038	-0.009	83	151720	1.00	1.08	
3 Bis(2-chloroethyl)ether	93	4.307	4.307	0.000	93	264036	1.00	0.9449	
* 4 1,4-Dichlorobenzene-d4	152	4.569	4.569	0.000	97	54990	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.769	5.769	0.000	100	189739	0.2500	0.2500	
6 Naphthalene	128	5.781	5.781	0.000	99	661766	1.00	0.9594	
7 Quinoline	129	6.094	6.106	-0.012	90	385654	1.00	0.8576	Ma
8 2-Methylnaphthalene	142	6.439	6.439	0.000	99	423702	1.00	0.8518	
$ 9 1-Methylnaphthalene-d10	152	6.499	6.499	0.000	100	303980	1.00	0.9206	
10 1-Methylnaphthalene	142	6.529	6.529	0.000	96	376809	1.00	0.8883	
11 Dimethyl phthalate	163	7.170	7.170	0.000	98	1522750	5.00	4.41	
12 Acenaphthylene	152	7.290	7.290	0.000	99	547359	1.00	0.9122	
* 13 Acenaphthene-d10	164	7.431	7.430	0.001	98	79916	0.2500	0.2500	
14 Acenaphthene	154	7.461	7.461	0.001	93	319085	1.00	0.9001	
15 Dibenzofuran	168	7.625	7.625	0.000	97	483389	1.00	0.8723	
16 Diethyl phthalate	149	7.841	7.841	0.000	100	1450962	5.00	4.39	
17 Fluorene	166	7.949	7.949	0.000	99	361098	1.00	0.9030	
18 N-Nitrosodiphenylamine	169	8.065	8.065	0.000	95	188639	1.00	0.8956	
19 Hexachlorobenzene	284	8.467	8.466	0.001	94	117517	1.00	0.9040	
* 20 Phenanthrene-d10	188	8.837	8.837	0.000	99	121675	0.2500	0.2500	
21 Phenanthrene	178	8.860	8.860	0.000	100	474972	1.00	0.9591	
22 Anthracene	178	8.907	8.914	-0.007	99	459467	1.00	0.9316	
23 Di-n-butyl phthalate	149	9.408	9.407	0.001	100	2078455	5.00	4.39	
$ 24 Fluoranthene-d10 (Surr)	212	9.972	9.972	0.000	99	356275	1.00	0.9060	
25 Fluoranthene	202	9.991	9.990	0.001	100	418943	1.00	0.8539	
26 Pyrene	202	10.210	10.210	0.000	97	449155	1.00	0.8789	
27 Butyl benzyl phthalate	149	10.889	10.889	0.000	100	806652	5.00	5.15	
28 Benzo[a]anthracene	228	11.502	11.502	0.000	99	357456	1.00	0.9441	
* 29 Chrysene-d12	240	11.518	11.517	0.001	98	74645	0.2500	0.2500	
30 Chrysene	228	11.548	11.548	0.000	100	353237	1.00	0.9264	

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	11.579	11.579	0.000	99	982915	5.00	5.11	
32 Di-n-octyl phthalate	149	12.469	12.468	0.001	100	1589430	5.00	5.17	
33 Benzo[b]fluoranthene	252	12.937	12.936	0.001	100	313358	1.00	0.9477	
34 Benzo[k]fluoranthene	252	12.983	12.982	0.001	100	327012	1.00	0.8880	
35 Benzo[e]pyrene	252	13.335	13.335	0.000	100	313598	1.00	0.9204	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.374	13.373	0.001	99	224662	1.00	0.9579	
37 Benzo[a]pyrene	252	13.404	13.412	-0.008	100	296243	1.00	0.9595	
* 38 Perylene-d12	264	13.489	13.496	-0.007	99	69906	0.2500	0.2500	
39 Perylene	252	13.527	13.527	0.000	100	308368	1.00	0.9538	
40 Indeno[1,2,3-cd]pyrene	276	15.150	15.150	0.000	98	227044	1.00	0.9701	
41 Dibenz(a,h)anthracene	278	15.206	15.206	0.000	98	254139	1.00	1.02	
42 Benzo[g,h,i]perylene	276	15.616	15.616	0.000	99	290128	1.00	0.9674	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RVSIM_5_00020 Amount Added: 1.00 Units: mL

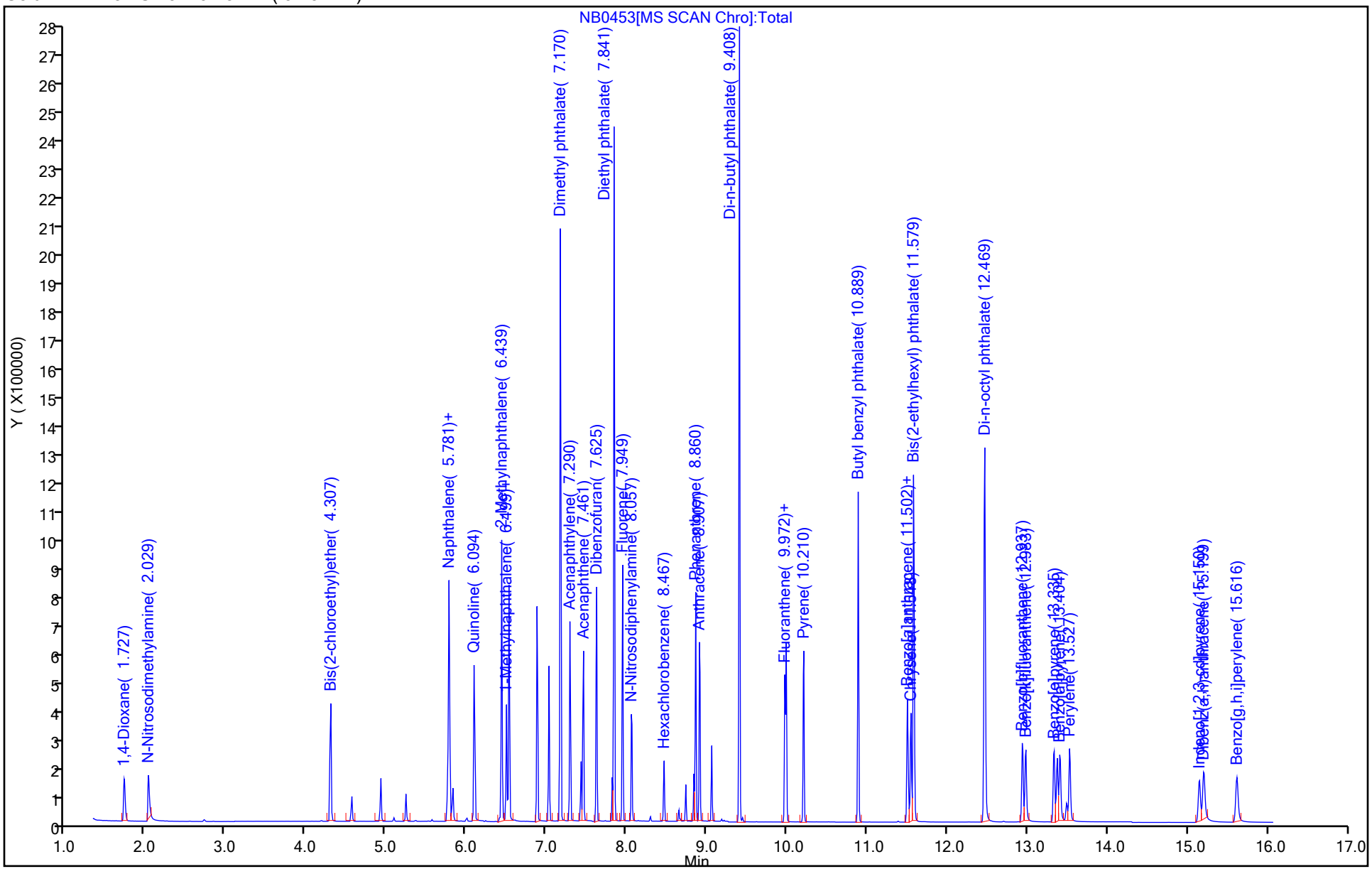
Report Date: 22-Feb-2023 03:33:39 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0453.D

Injection Date:	21-Feb-2023 23:57:30	Instrument ID:	HP23263	Operator ID:	kel10217
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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

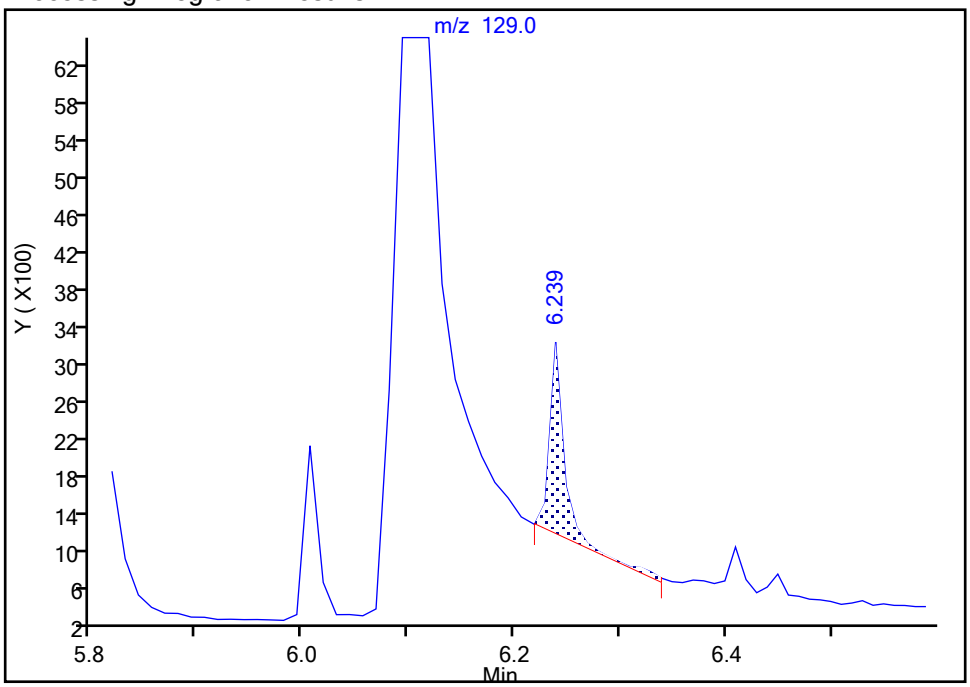
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0453.D				
Injection Date:	21-Feb-2023 23:57:30	Instrument ID:	HP23263		
Lims ID:	IC L5				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

7 Quinoline, CAS: 91-22-5

Signal: 1

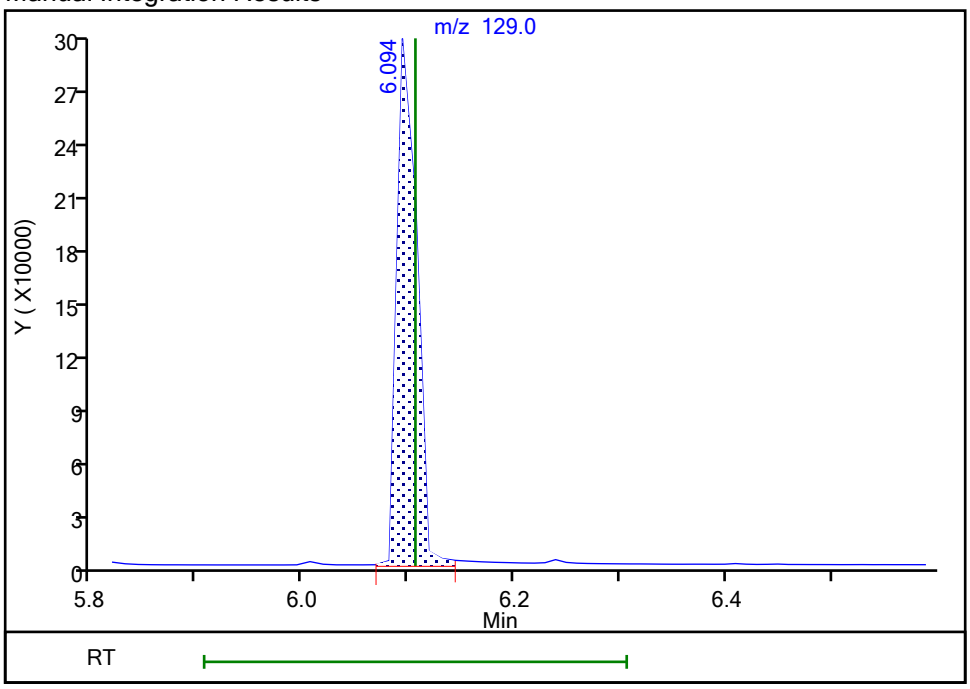
Processing Integration Results

RT: 6.24
Area: 2049
Amount: 0.008306
Amount Units: ug/ml



Manual Integration Results

RT: 6.09
Area: 385654
Amount: 0.857597
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:18:52
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0454.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Feb-2023 00:19:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0077517-005
Operator ID: kel10217 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Feb-2023 03:33:41 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: UJM0 Date: 22-Feb-2023 03:20:14

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	1.735	1.731	0.004	90	12912	0.1000	0.1042	
2 N-Nitrosodimethylamine	74	2.055	2.038	0.017	82	13840	0.1000	0.0973	
3 Bis(2-chloroethyl)ether	93	4.307	4.307	0.000	94	28263	0.1000	0.1001	
* 4 1,4-Dichlorobenzene-d4	152	4.569	4.569	0.000	100	55847	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.769	5.769	0.000	100	191695	0.2500	0.2500	M
6 Naphthalene	128	5.781	5.781	0.000	99	82270	0.1000	0.1067	
7 Quinoline	129	6.094	6.106	-0.012	89	44950	0.1000	0.0989	M
8 2-Methylnaphthalene	142	6.436	6.439	-0.003	98	50666	0.1000	0.1008	
$ 9 1-Methylnaphthalene-d10	152	6.497	6.499	-0.002	99	33963	0.1000	0.1018	
10 1-Methylnaphthalene	142	6.537	6.529	0.008	95	43758	0.1000	0.1021	
11 Dimethyl phthalate	163	7.168	7.170	-0.002	97	374221	1.00	1.06	
12 Acenaphthylene	152	7.288	7.290	-0.002	97	63111	0.1000	0.1026	
* 13 Acenaphthene-d10	164	7.428	7.430	-0.002	92	81926	0.2500	0.2500	
14 Acenaphthene	154	7.458	7.461	-0.002	95	36851	0.1000	0.1014	
15 Dibenzofuran	168	7.625	7.625	0.000	96	58484	0.1000	0.1029	
16 Diethyl phthalate	149	7.841	7.841	0.000	100	369409	1.00	1.09	
17 Fluorene	166	7.949	7.949	0.000	100	41601	0.1000	0.1015	
18 N-Nitrosodiphenylamine	169	8.065	8.065	0.000	96	23420	0.1000	0.1031	
19 Hexachlorobenzene	284	8.466	8.466	0.000	92	14081	0.1000	0.1004	
* 20 Phenanthrene-d10	188	8.837	8.837	0.000	100	131266	0.2500	0.2500	
21 Phenanthrene	178	8.860	8.860	0.000	100	59252	0.1000	0.1047	
22 Anthracene	178	8.906	8.914	-0.008	99	52965	0.1000	0.0995	
23 Di-n-butyl phthalate	149	9.402	9.407	-0.005	100	489629	1.00	0.9589	
$ 24 Fluoranthene-d10 (Surr)	212	9.973	9.972	0.001	100	44199	0.1000	0.1042	
25 Fluoranthene	202	9.992	9.990	0.002	98	54113	0.1000	0.1022	
26 Pyrene	202	10.205	10.210	-0.005	100	56404	0.1000	0.1002	
27 Butyl benzyl phthalate	149	10.890	10.889	0.001	100	169328	1.00	0.9813	
28 Benzo[a]anthracene	228	11.503	11.502	0.001	93	40918	0.1000	0.0981	
* 29 Chrysene-d12	240	11.519	11.517	0.002	83	82226	0.2500	0.2500	
30 Chrysene	228	11.549	11.548	0.001	100	41767	0.1000	0.0994	

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	11.580	11.579	0.001	99	210453	1.00	0.99	
32 Di-n-octyl phthalate	149	12.462	12.468	-0.006	100	316439	1.00	1.03	
33 Benzo[b]fluoranthene	252	12.938	12.936	0.002	100	35243	0.1000	0.1069	
34 Benzo[k]fluoranthene	252	12.976	12.982	-0.006	100	38559	0.1000	0.1051	
35 Benzo[e]pyrene	252	13.329	13.335	-0.006	100	35160	0.1000	0.1035	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.375	13.373	0.002	98	24078	0.1000	0.1030	
37 Benzo[a]pyrene	252	13.405	13.412	-0.007	100	32271	0.1000	0.1049	
* 38 Perylene-d12	264	13.490	13.496	-0.006	98	69673	0.2500	0.2500	
39 Perylene	252	13.528	13.527	0.001	99	34703	0.1000	0.1077	
40 Indeno[1,2,3-cd]pyrene	276	15.143	15.150	-0.007	98	22410	0.1000	0.0961	
41 Dibenz(a,h)anthracene	278	15.200	15.206	-0.006	98	24787	0.1000	0.0998	
42 Benzo[g,h,i]perylene	276	15.617	15.616	0.001	99	30117	0.1000	0.1008	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_3_00020 Amount Added: 1.00 Units: mL

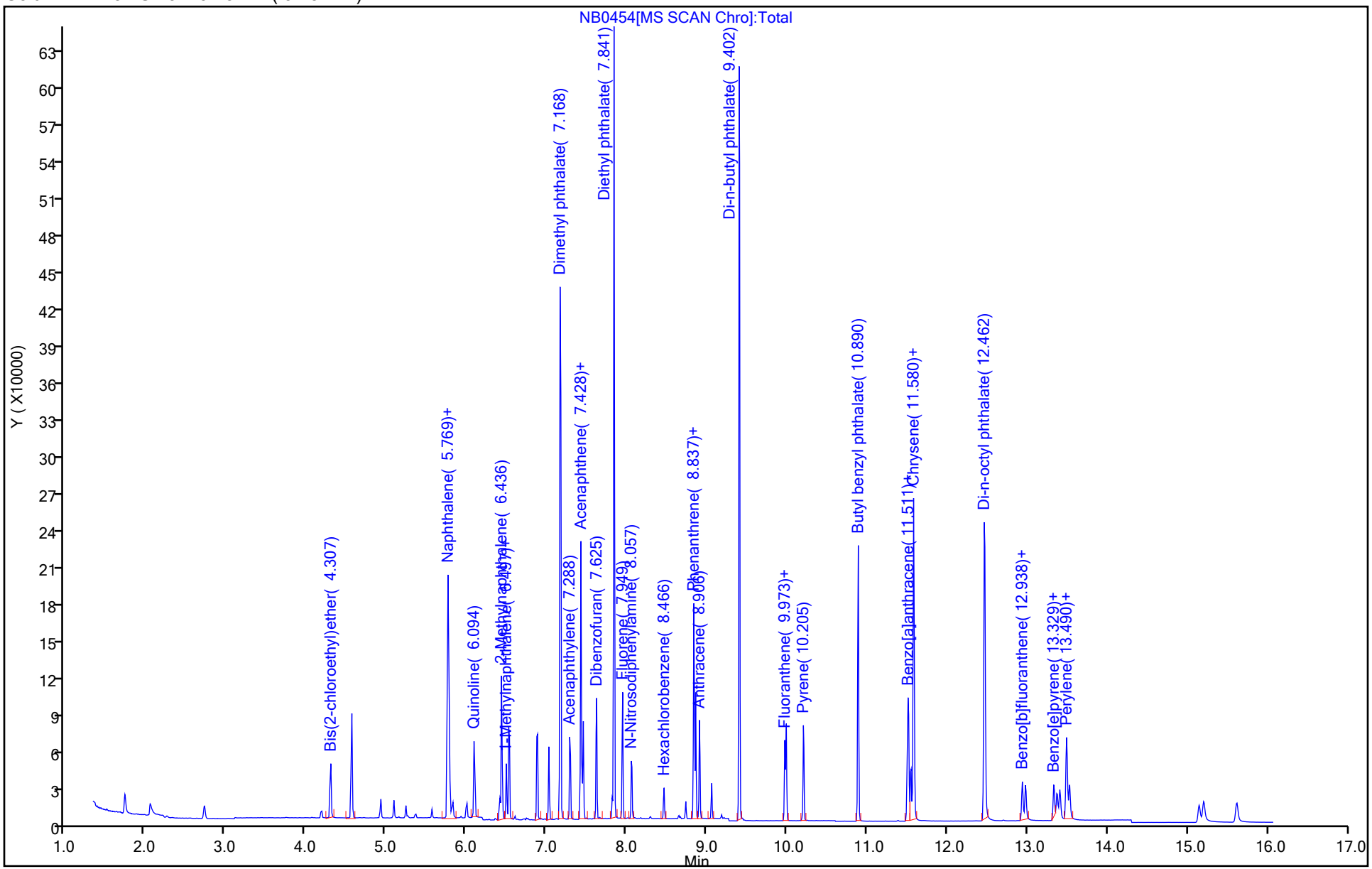
Report Date: 22-Feb-2023 03:33:42 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0454.D

Injection Date:	22-Feb-2023 00:19:30	Instrument ID:	HP23263	Operator ID:	kel10217
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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

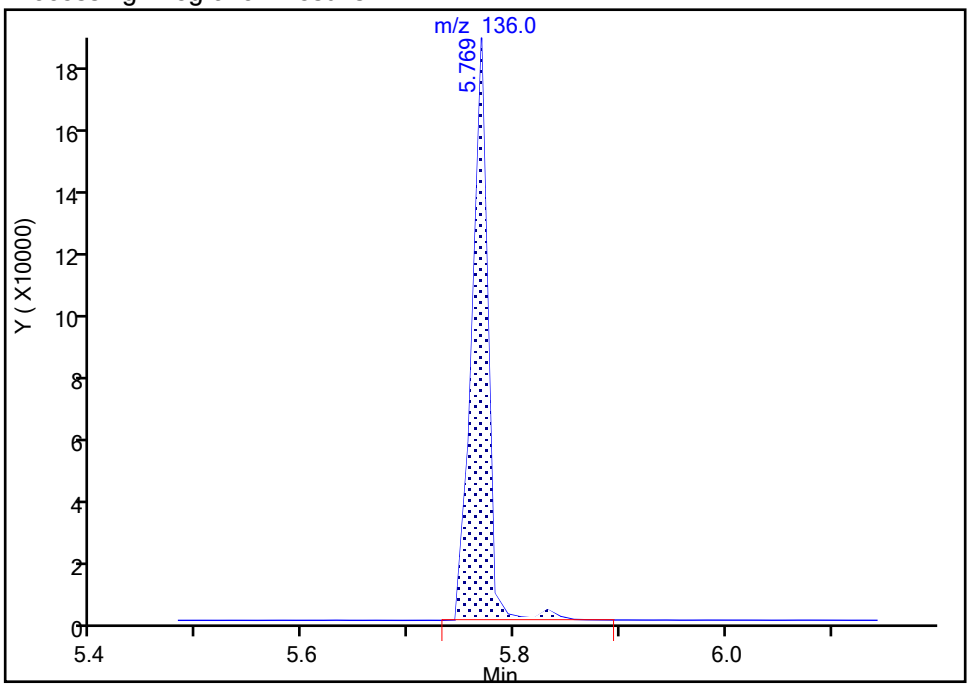
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0454.D				
Injection Date:	22-Feb-2023 00:19:30	Instrument ID:	HP23263		
Lims ID:	IC L3				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 5 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

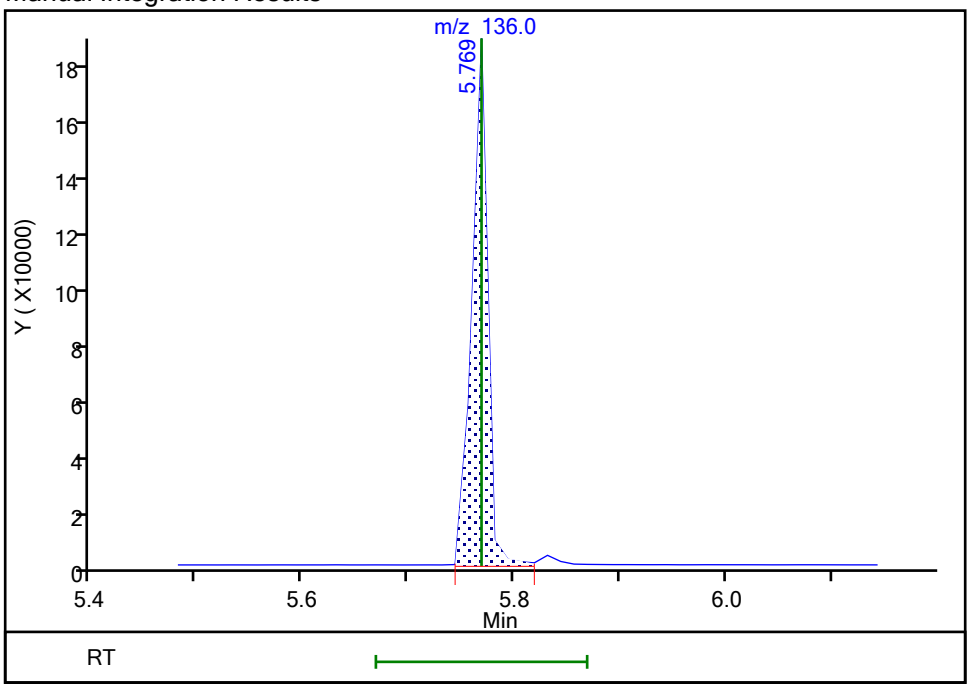
Processing Integration Results

RT: 5.77
Area: 195009
Amount: 0.250000
Amount Units: ug/ml



Manual Integration Results

RT: 5.77
Area: 191695
Amount: 0.250000
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:19:42
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

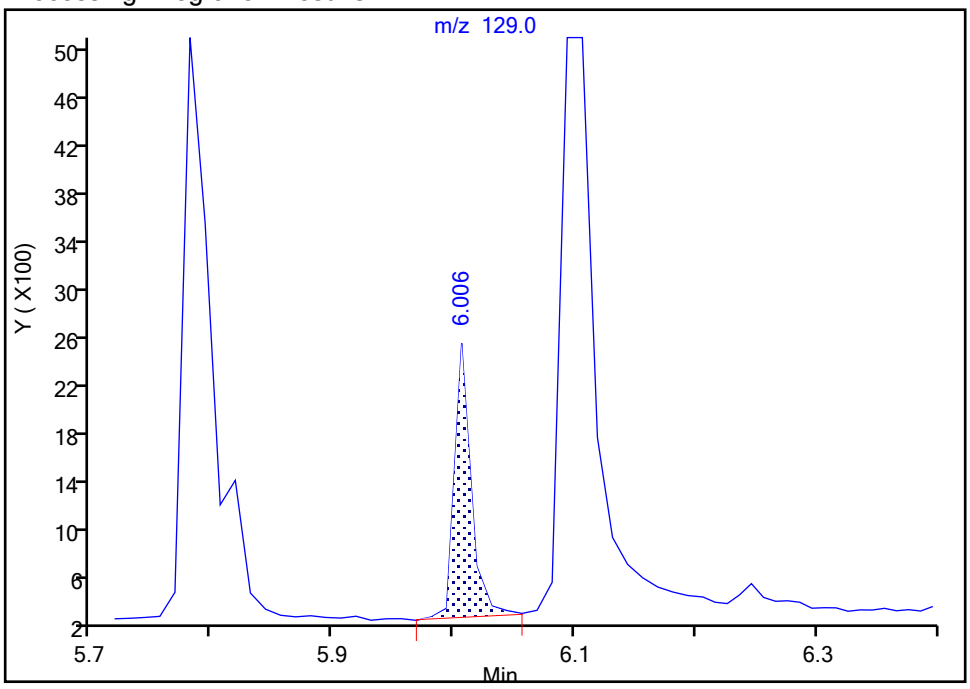
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0454.D				
Injection Date:	22-Feb-2023 00:19:30	Instrument ID:	HP23263		
Lims ID:	IC L3				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

7 Quinoline, CAS: 91-22-5

Signal: 1

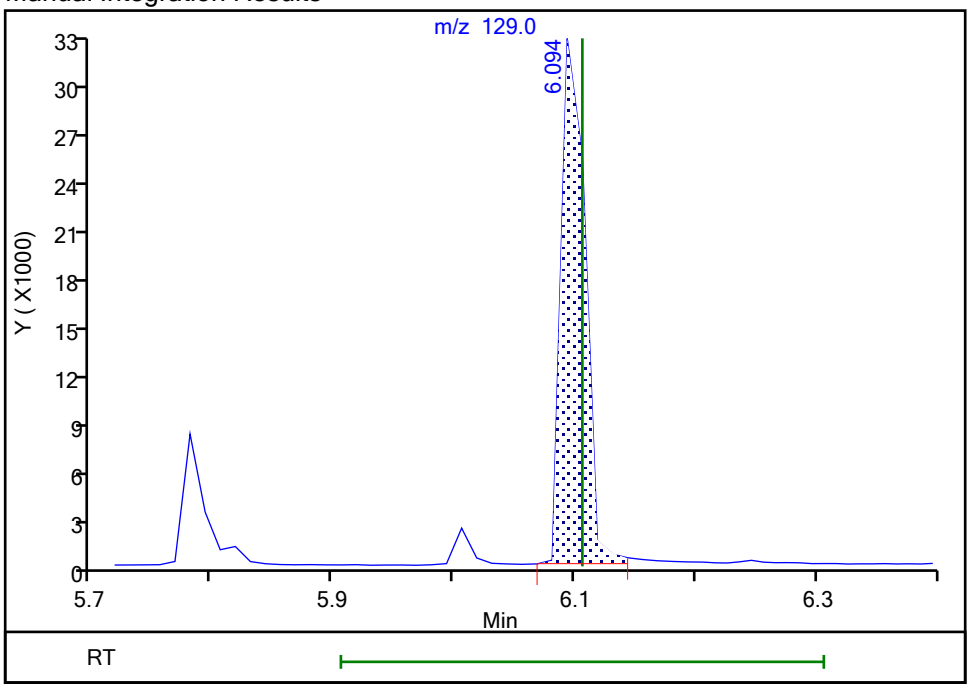
Processing Integration Results

RT: 6.01
Area: 2160
Amount: 0.006882
Amount Units: ug/ml



Manual Integration Results

RT: 6.09
Area: 44950
Amount: 0.098937
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:19:49

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0455.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Feb-2023 00:40:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0077517-006
Operator ID: kel10217 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Feb-2023 03:33:44 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: UJM0 Date: 22-Feb-2023 03:22:04

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	1.736	1.731	0.005	87	5830	0.0500	0.0480	M
2 N-Nitrosodimethylamine	74	2.060	2.038	0.022	78	6628	0.0500	0.0475	M
3 Bis(2-chloroethyl)ether	93	4.307	4.307	0.000	96	13992	0.0500	0.0500	
* 4 1,4-Dichlorobenzene-d4	152	4.569	4.569	0.000	100	54767	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.769	5.769	0.000	100	189864	0.2500	0.2500	M
6 Naphthalene	128	5.781	5.781	0.000	99	44996	0.0500	0.0531	
7 Quinoline	129	6.094	6.106	-0.012	88	22483	0.0500	0.0500	M
8 2-Methylnaphthalene	142	6.439	6.439	0.000	97	25808	0.0500	0.0518	
$ 9 1-Methylnaphthalene-d10	152	6.499	6.499	0.000	98	16949	0.0500	0.0513	
10 1-Methylnaphthalene	142	6.529	6.529	0.000	94	21856	0.0500	0.0515	
11 Dimethyl phthalate	163	7.170	7.170	0.000	100	193589	0.5000	0.5399	
12 Acenaphthylene	152	7.290	7.290	0.000	99	30987	0.0500	0.0497	
* 13 Acenaphthene-d10	164	7.431	7.430	0.000	97	83037	0.2500	0.2500	
14 Acenaphthene	154	7.461	7.461	0.001	92	17697	0.0500	0.0480	
15 Dibenzofuran	168	7.625	7.625	0.000	97	28809	0.0500	0.0500	
16 Diethyl phthalate	149	7.841	7.841	0.000	100	181535	0.5000	0.5281	
17 Fluorene	166	7.949	7.949	0.000	100	20306	0.0500	0.0489	
18 N-Nitrosodiphenylamine	169	8.065	8.065	0.000	97	10993	0.0500	0.0492	
19 Hexachlorobenzene	284	8.467	8.466	0.001	93	6896	0.0500	0.0500	
* 20 Phenanthrene-d10	188	8.837	8.837	0.000	99	129151	0.2500	0.2500	
21 Phenanthrene	178	8.860	8.860	0.000	100	29417	0.0500	0.0494	
22 Anthracene	178	8.907	8.914	-0.007	99	25312	0.0500	0.0483	
23 Di-n-butyl phthalate	149	9.408	9.407	0.001	100	240629	0.5000	0.4790	
$ 24 Fluoranthene-d10 (Surr)	212	9.972	9.972	0.000	99	20840	0.0500	0.0499	
25 Fluoranthene	202	9.991	9.990	0.001	100	26242	0.0500	0.0504	
26 Pyrene	202	10.210	10.210	0.000	97	26479	0.0500	0.0490	
27 Butyl benzyl phthalate	149	10.889	10.889	0.000	100	76291	0.5000	0.4606	
28 Benzo[a]anthracene	228	11.502	11.502	0.000	98	18466	0.0500	0.0461	
* 29 Chrysene-d12	240	11.518	11.517	0.001	83	78928	0.2500	0.2500	
30 Chrysene	228	11.548	11.548	0.000	100	19543	0.0500	0.0485	

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	11.579	11.579	0.000	98	88674	0.5000	0.4358	
32 Di-n-octyl phthalate	149	12.469	12.468	0.001	100	130389	0.5000	0.4445	
33 Benzo[b]fluoranthene	252	12.936	12.936	0.000	100	15135	0.0500	0.0479	
34 Benzo[k]fluoranthene	252	12.982	12.982	0.000	100	18509	0.0500	0.0526	
35 Benzo[e]pyrene	252	13.335	13.335	0.000	100	16165	0.0500	0.0497	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.374	13.373	0.001	99	10887	0.0500	0.0486	
37 Benzo[a]pyrene	252	13.404	13.412	-0.008	100	14671	0.0500	0.0498	
* 38 Perylene-d12	264	13.496	13.496	0.000	96	66751	0.2500	0.2500	
39 Perylene	252	13.527	13.527	0.000	99	15287	0.0500	0.0495	
40 Indeno[1,2,3-cd]pyrene	276	15.143	15.150	-0.007	98	10353	0.0500	0.0463	
41 Dibenz(a,h)anthracene	278	15.206	15.206	0.000	98	10753	0.0500	0.0452	
42 Benzo[g,h,i]perylene	276	15.616	15.616	0.000	100	13106	0.0500	0.0458	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_2_00020 Amount Added: 1.00 Units: mL

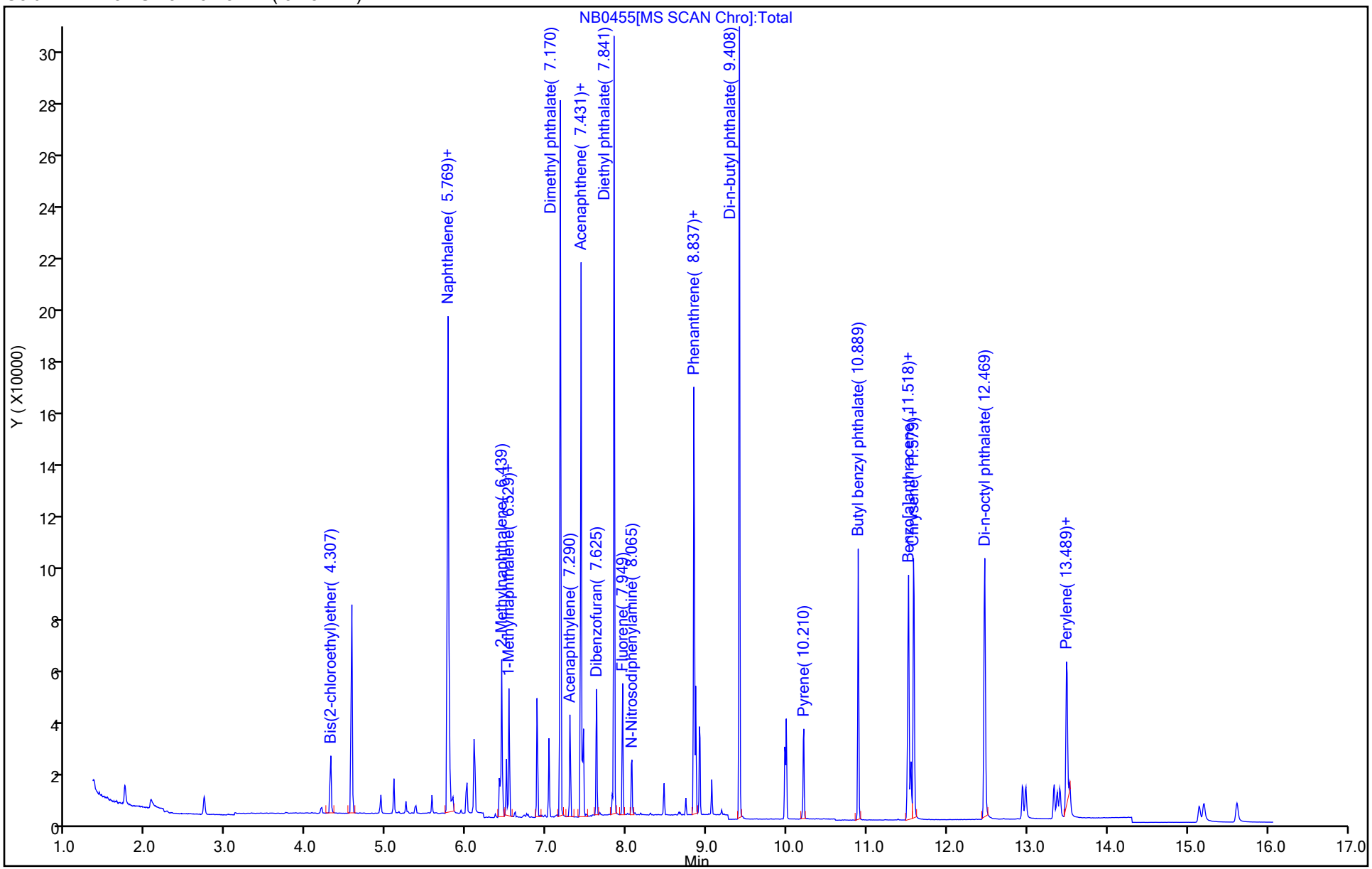
Report Date: 22-Feb-2023 03:33:44 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0455.D

Injection Date:	22-Feb-2023 00:40:30	Instrument ID:	HP23263	Operator ID:	kel10217
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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

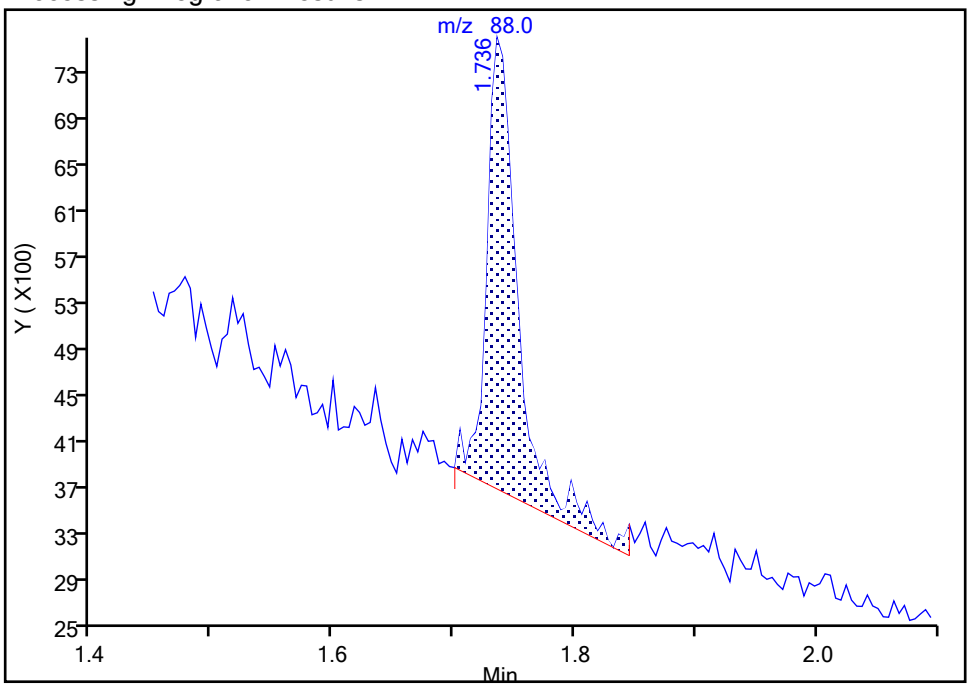
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0455.D				
Injection Date:	22-Feb-2023 00:40:30	Instrument ID:	HP23263		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

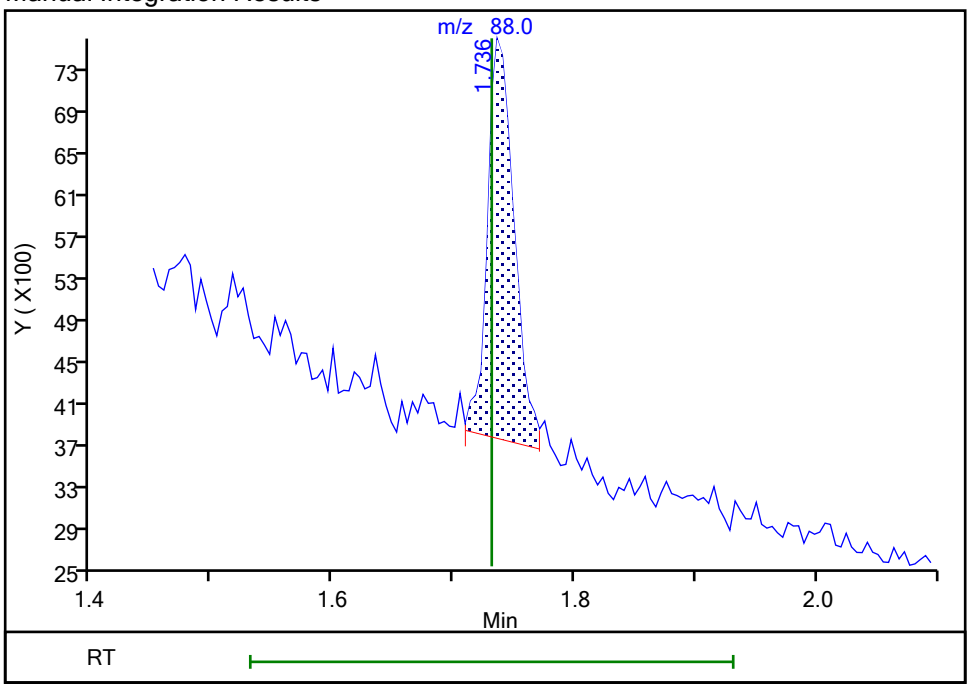
Processing Integration Results

RT: 1.74
Area: 7053
Amount: 0.052534
Amount Units: ug/ml



Manual Integration Results

RT: 1.74
Area: 5830
Amount: 0.047986
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:21:10
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

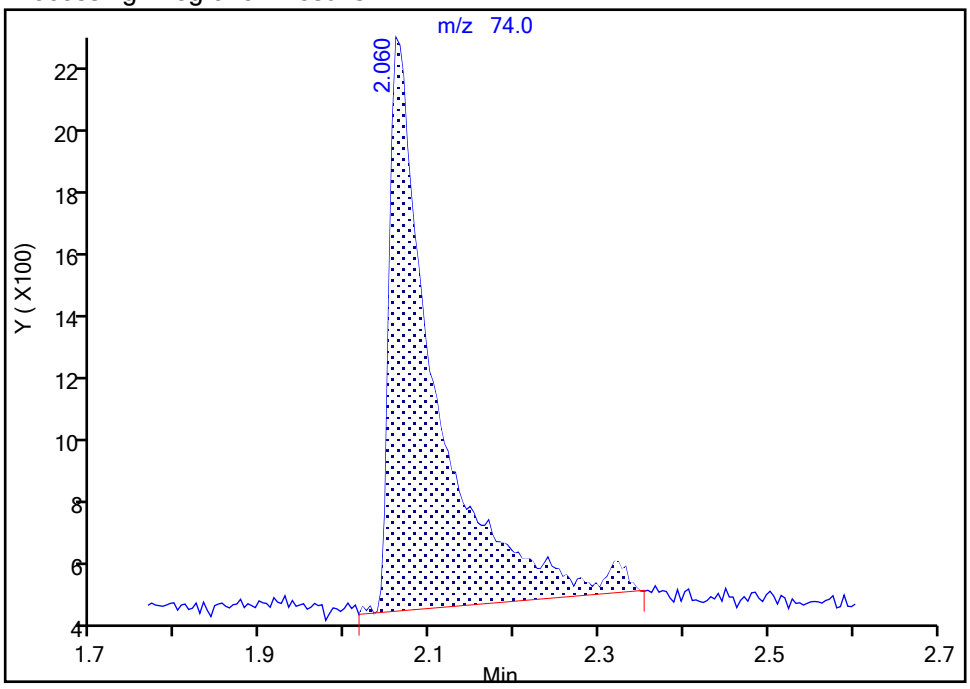
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0455.D				
Injection Date:	22-Feb-2023 00:40:30	Instrument ID:	HP23263		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

2 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

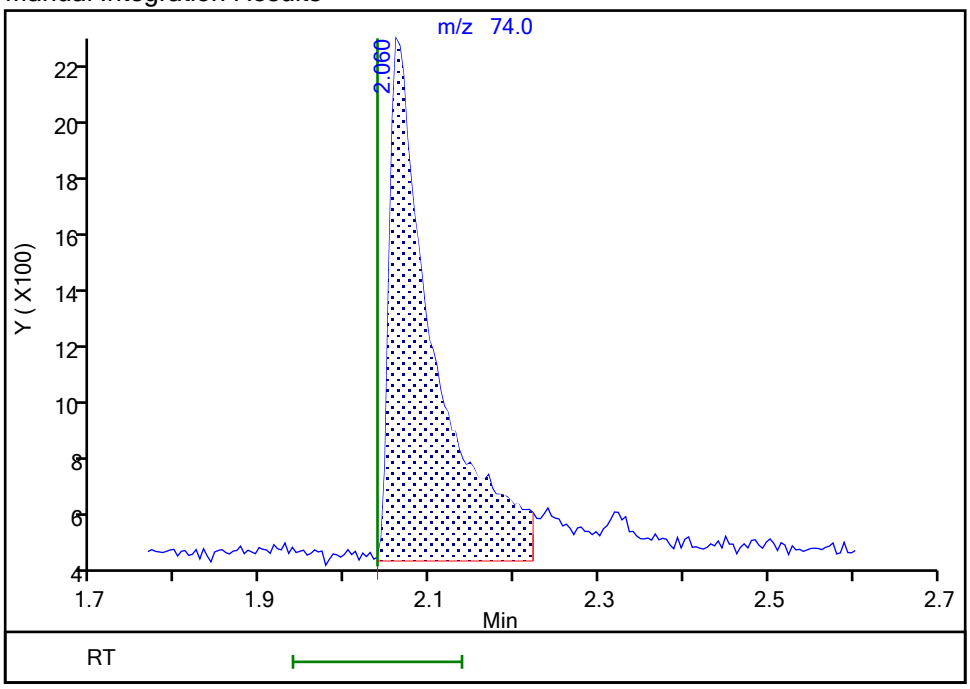
Processing Integration Results

RT: 2.06
Area: 6814
Amount: 0.049271
Amount Units: ug/ml



Manual Integration Results

RT: 2.06
Area: 6628
Amount: 0.047538
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:21:18
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

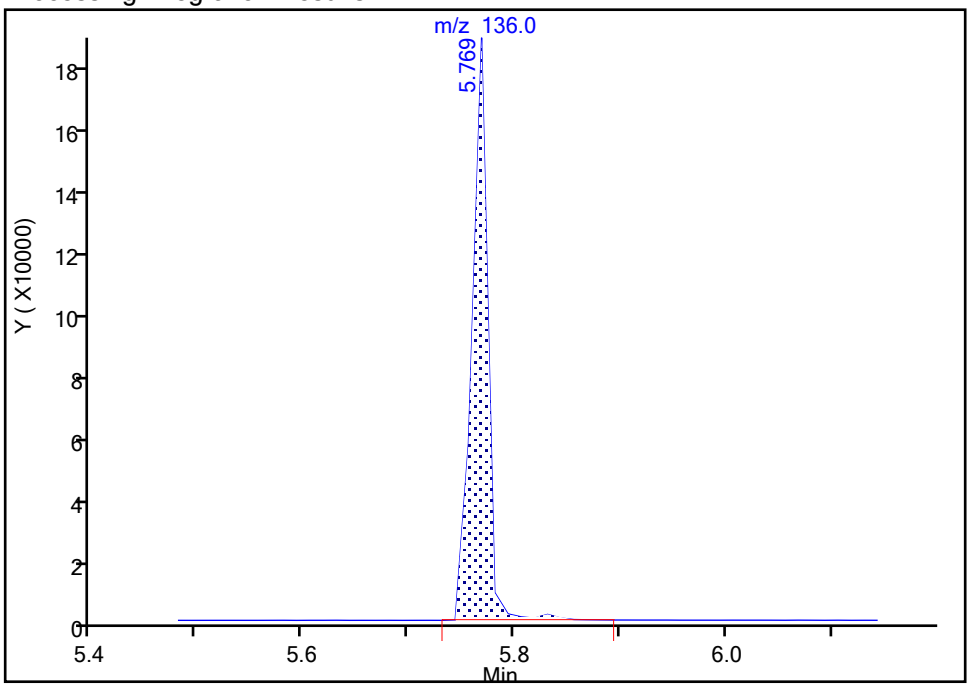
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0455.D				
Injection Date:	22-Feb-2023 00:40:30	Instrument ID:	HP23263		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 5 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

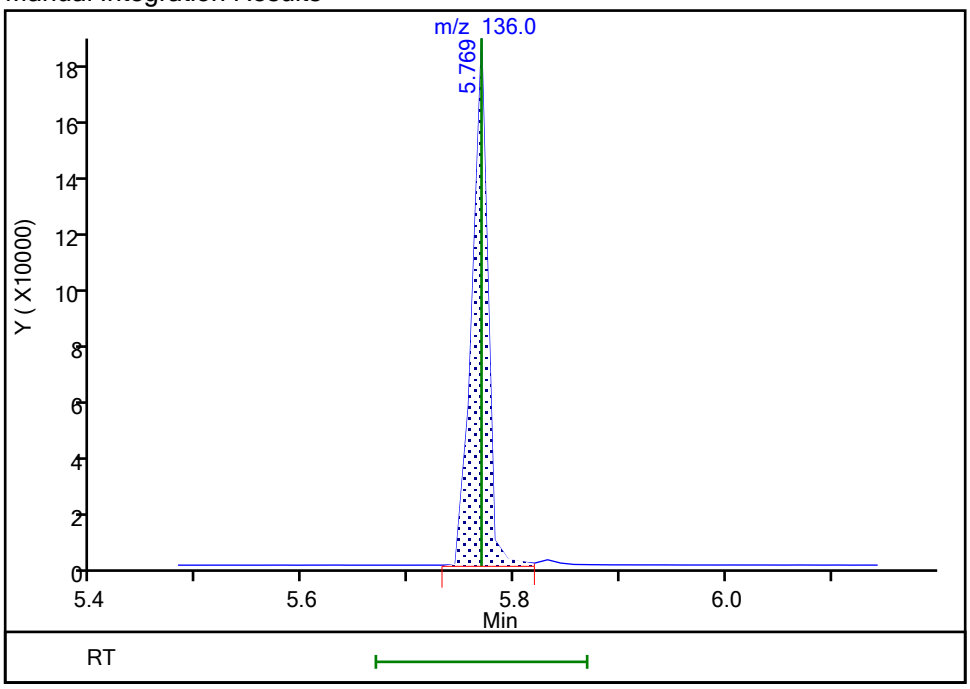
Processing Integration Results

RT: 5.77
Area: 191933
Amount: 0.250000
Amount Units: ug/ml



Manual Integration Results

RT: 5.77
Area: 189864
Amount: 0.250000
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:21:42
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

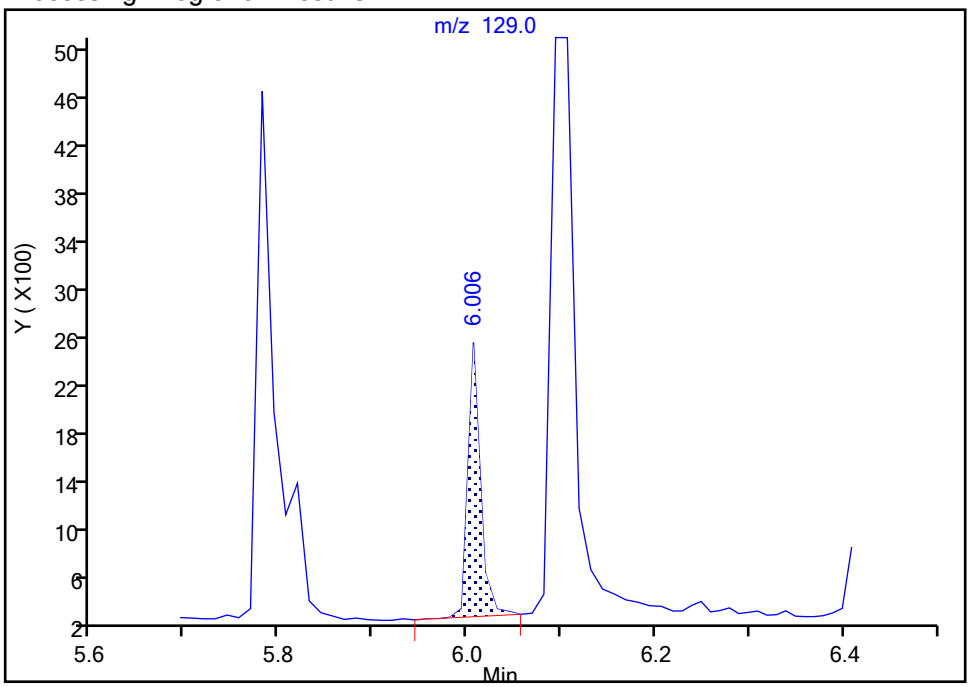
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0455.D				
Injection Date:	22-Feb-2023 00:40:30	Instrument ID:	HP23263		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

7 Quinoline, CAS: 91-22-5

Signal: 1

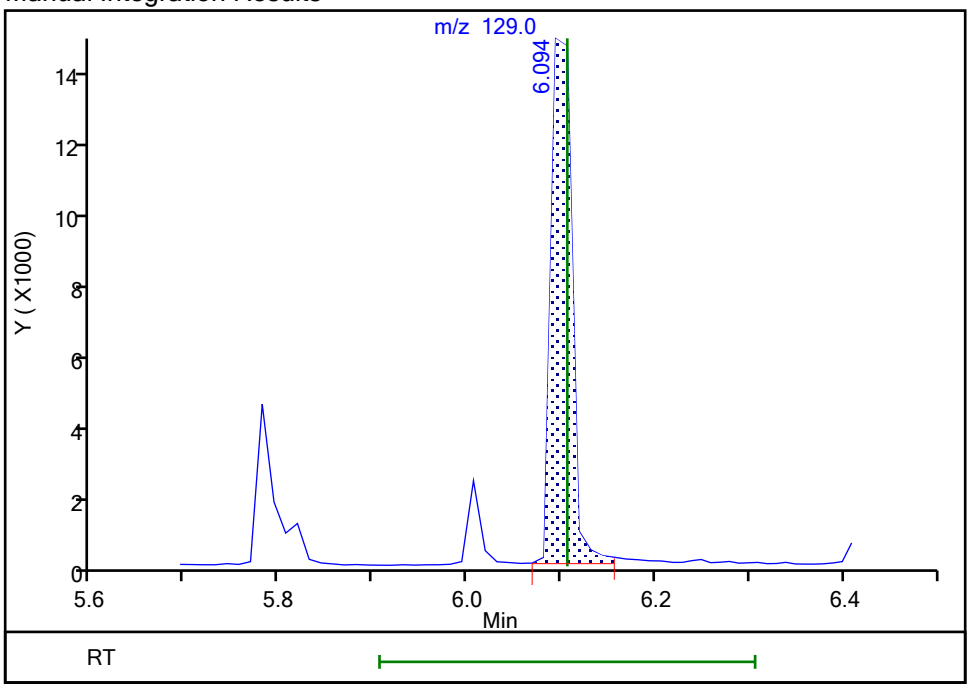
Processing Integration Results

RT: 6.01
Area: 2105
Amount: 0.005458
Amount Units: ug/ml



Manual Integration Results

RT: 6.09
Area: 22483
Amount: 0.049964
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:21:31
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Feb-2023 01:02:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0077517-007
Operator ID: kel10217 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Feb-2023 03:33:47 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: UJM0 Date: 22-Feb-2023 03:25:09

	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	1.744	1.744	0.000	92	1371	0.0100	0.0108	M
	2 N-Nitrosodimethylamine	74	2.082	2.082	0.000	96	1104	0.0100	0.007572	M
	3 Bis(2-chloroethyl)ether	93	4.307	4.307	0.000	95	3191	0.0100	0.0110	
*	4 1,4-Dichlorobenzene-d4	152	4.569	4.569	0.000	100	57272	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.769	5.769	0.000	100	197507	0.2500	0.2500	M
	6 Naphthalene	128	5.781	5.781	0.000	98	16111	0.0100	0.009804	
	7 Quinoline	129	6.106	6.106	0.000	95	6310	0.0100	0.0135	
	8 2-Methylnaphthalene	142	6.439	6.439	0.000	97	7020	0.0100	0.0136	
$	9 1-Methylnaphthalene-d10	152	6.499	6.499	0.000	98	3942	0.0100	0.0115	
	10 1-Methylnaphthalene	142	6.529	6.529	0.000	92	5497	0.0100	0.0124	
	11 Dimethyl phthalate	163	7.170	7.170	0.000	100	99203	0.2500	0.2671	
	12 Acenaphthylene	152	7.290	7.290	0.000	100	7282	0.0100	0.0113	
*	13 Acenaphthene-d10	164	7.431	7.431	0.000	99	86006	0.2500	0.2500	
	14 Acenaphthene	154	7.461	7.461	0.000	69	4714	0.0100	0.0124	
	15 Dibenzofuran	168	7.625	7.625	0.000	98	7326	0.0100	0.0123	
	16 Diethyl phthalate	149	7.841	7.841	0.000	100	91346	0.2500	0.2566	
	17 Fluorene	166	7.949	7.949	0.000	100	5254	0.0100	0.0122	
	18 N-Nitrosodiphenylamine	169	8.065	8.065	0.000	96	2608	0.0100	0.0117	
	19 Hexachlorobenzene	284	8.467	8.467	0.000	93	1644	0.0100	0.0120	
*	20 Phenanthrene-d10	188	8.837	8.837	0.000	99	128401	0.2500	0.2500	
	21 Phenanthrene	178	8.860	8.860	0.000	100	8790	0.0100	0.0100	
	22 Anthracene	178	8.907	8.907	0.000	99	6051	0.0100	0.0116	
	23 Di-n-butyl phthalate	149	9.408	9.408	0.000	100	166855	0.2500	0.3341	
$	24 Fluoranthene-d10 (Surr)	212	9.972	9.972	0.000	99	4601	0.0100	0.0111	
	25 Fluoranthene	202	9.991	9.991	0.000	99	6616	0.0100	0.0128	
	26 Pyrene	202	10.210	10.210	0.000	97	6549	0.0100	0.0128	
	27 Butyl benzyl phthalate	149	10.889	10.889	0.000	100	31812	0.2500	0.2032	
	28 Benzo[a]anthracene	228	11.502	11.502	0.000	47	4277	0.0100	0.0113	M
*	29 Chrysene-d12	240	11.518	11.518	0.000	81	74605	0.2500	0.2500	M
	30 Chrysene	228	11.548	11.548	0.000	100	4238	0.0100	0.0111	

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	11.579	11.579	0.000	99	39066	0.2500	0.2031	
32 Di-n-octyl phthalate	149	12.469	12.469	0.000	100	54035	0.2500	0.1959	
33 Benzo[b]fluoranthene	252	12.936	12.936	0.000	99	3211	0.0100	0.0108	
34 Benzo[k]fluoranthene	252	12.975	12.975	0.000	100	3613	0.0100	0.0109	M
35 Benzo[e]pyrene	252	13.328	13.328	0.000	100	3389	0.0100	0.0111	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.374	13.374	0.000	98	2143	0.0100	0.0102	
37 Benzo[a]pyrene	252	13.404	13.404	0.000	100	2827	0.0100	0.0102	
* 38 Perylene-d12	264	13.489	13.489	0.000	98	62765	0.2500	0.2500	
39 Perylene	252	13.527	13.527	0.000	100	2990	0.0100	0.0103	
40 Indeno[1,2,3-cd]pyrene	276	15.143	15.143	0.000	98	2131	0.0100	0.0101	M
41 Dibenz(a,h)anthracene	278	15.206	15.206	0.000	97	2080	0.0100	0.009298	M
42 Benzo[g,h,i]perylene	276	15.616	15.616	0.000	99	2921	0.0100	0.0108	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_1_00020 Amount Added: 1.00 Units: mL

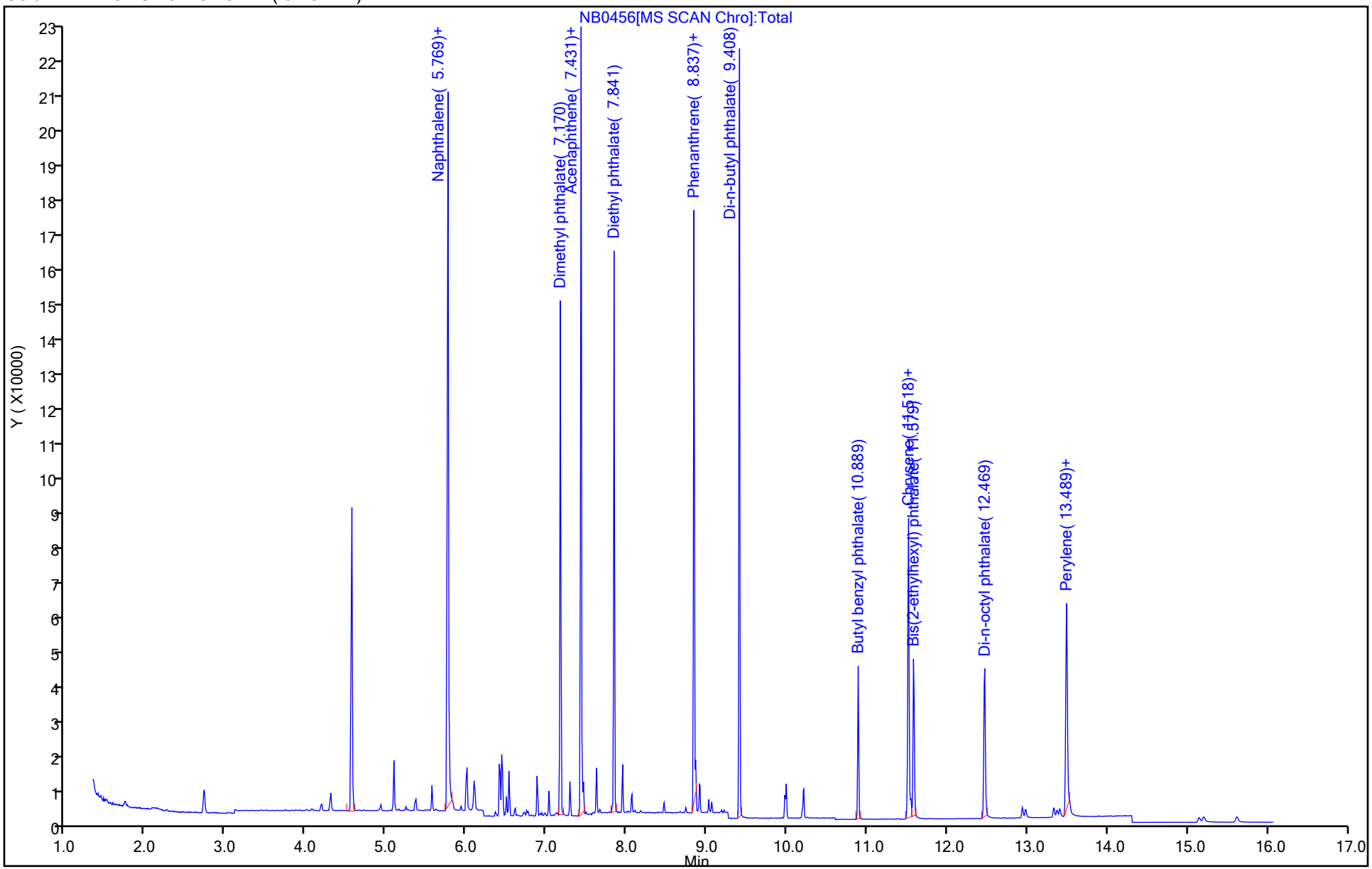
Report Date: 22-Feb-2023 03:33:47 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263	Operator ID:	kel10217
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

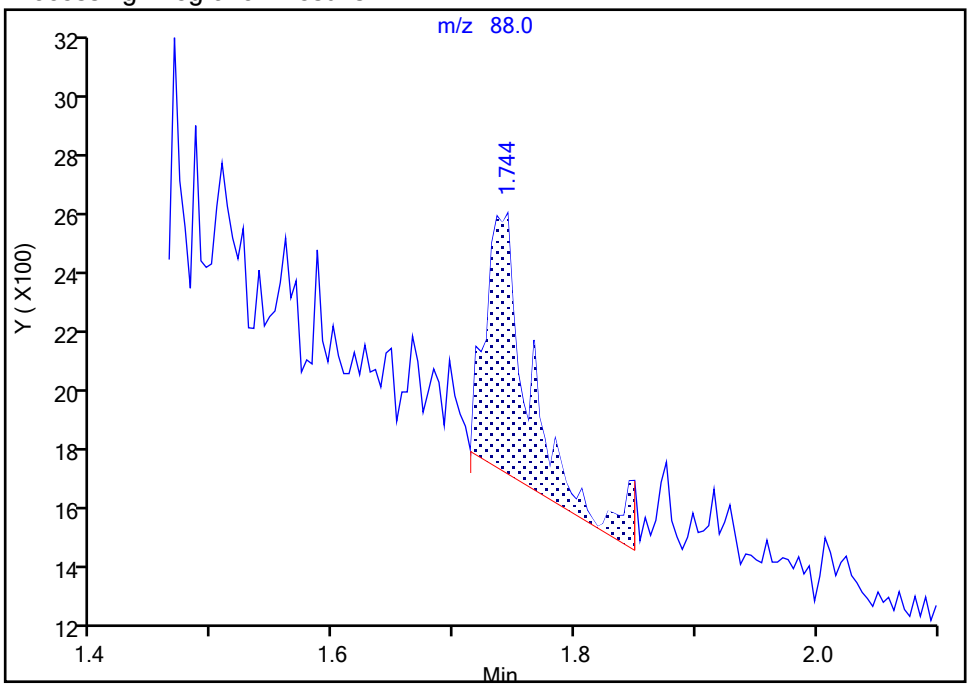
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

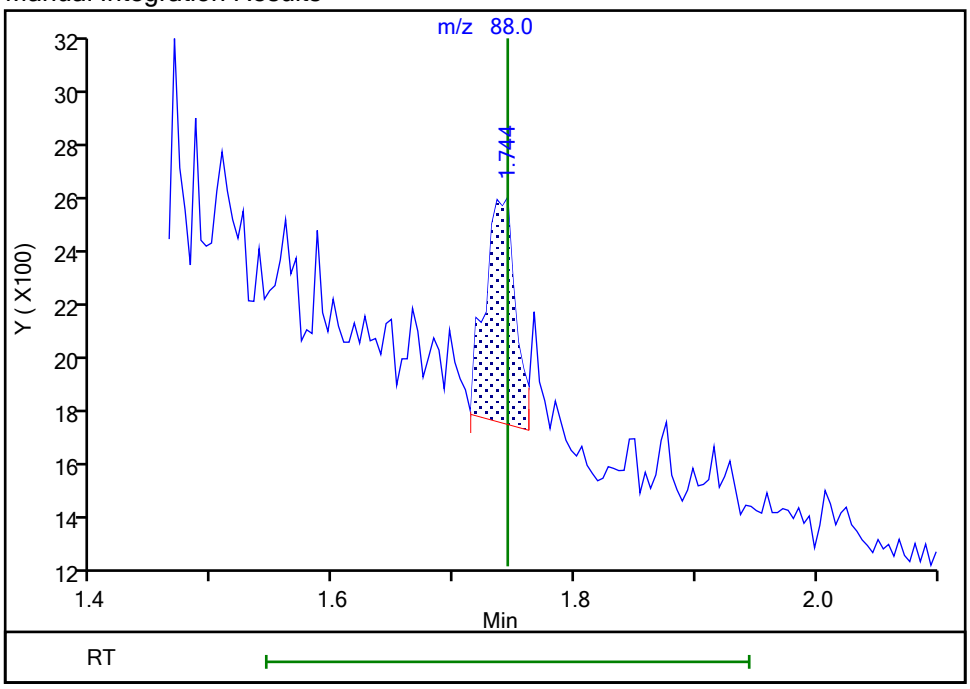
Processing Integration Results

RT: 1.74
Area: 2079
Amount: 0.010198
Amount Units: ug/ml



Manual Integration Results

RT: 1.74
Area: 1371
Amount: 0.010791
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:22:15

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

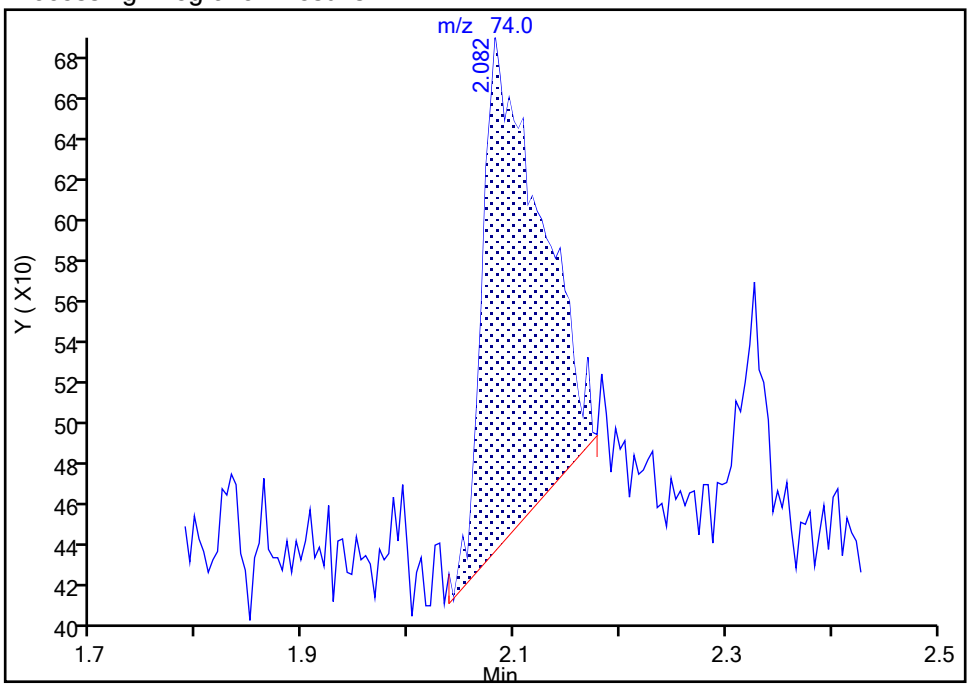
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

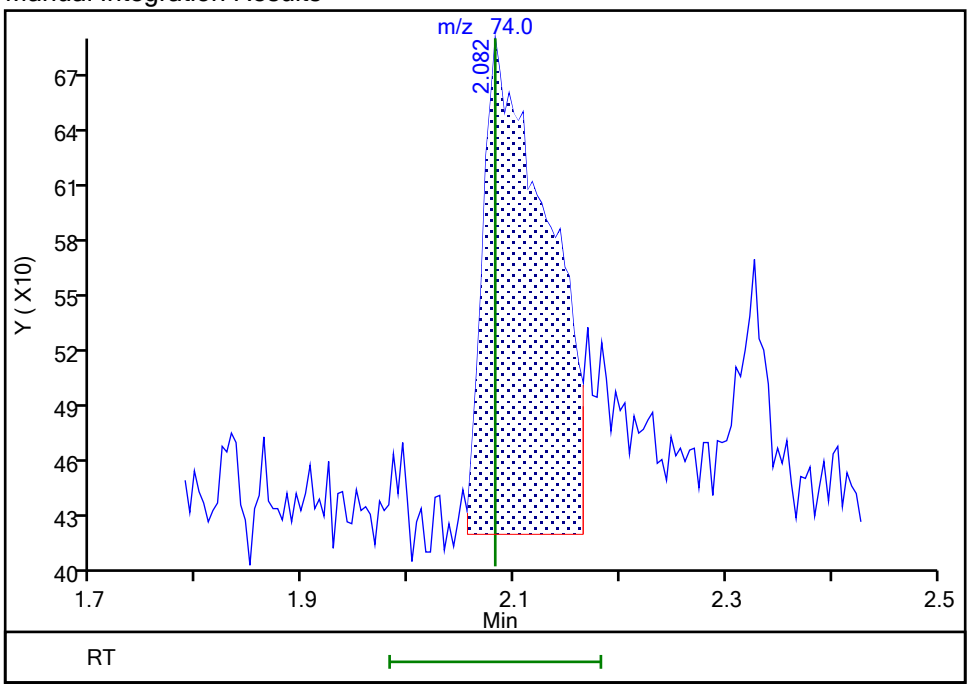
Processing Integration Results

RT: 2.08
Area: 915
Amount: 0.010108
Amount Units: ug/ml



Manual Integration Results

RT: 2.08
Area: 1104
Amount: 0.007572
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:22:23

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

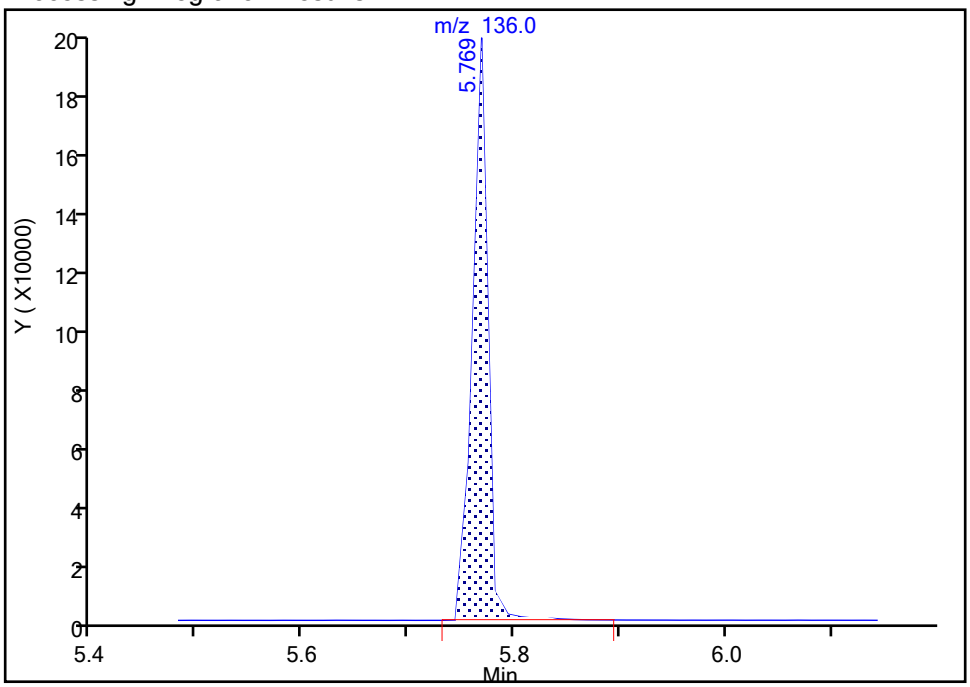
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D
Injection Date: 22-Feb-2023 01:02:30 Instrument ID: HP23263
Lims ID: IC L1
Client ID:
Operator ID: kel10217 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

* 5 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

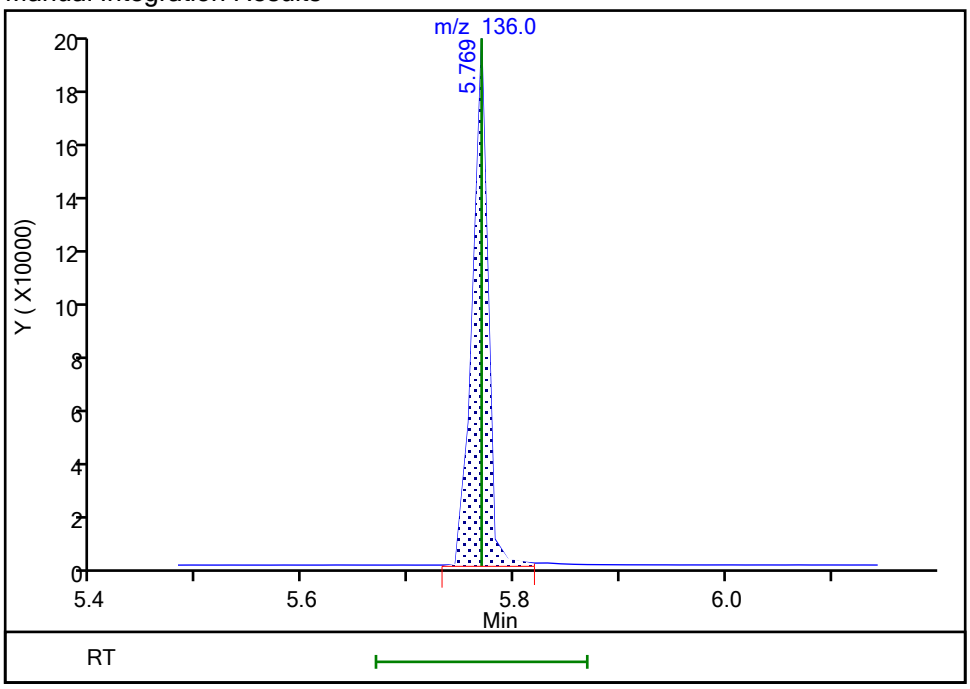
Processing Integration Results

RT: 5.77
Area: 198430
Amount: 0.250000
Amount Units: ug/ml



Manual Integration Results

RT: 5.77
Area: 197507
Amount: 0.250000
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:22:37
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

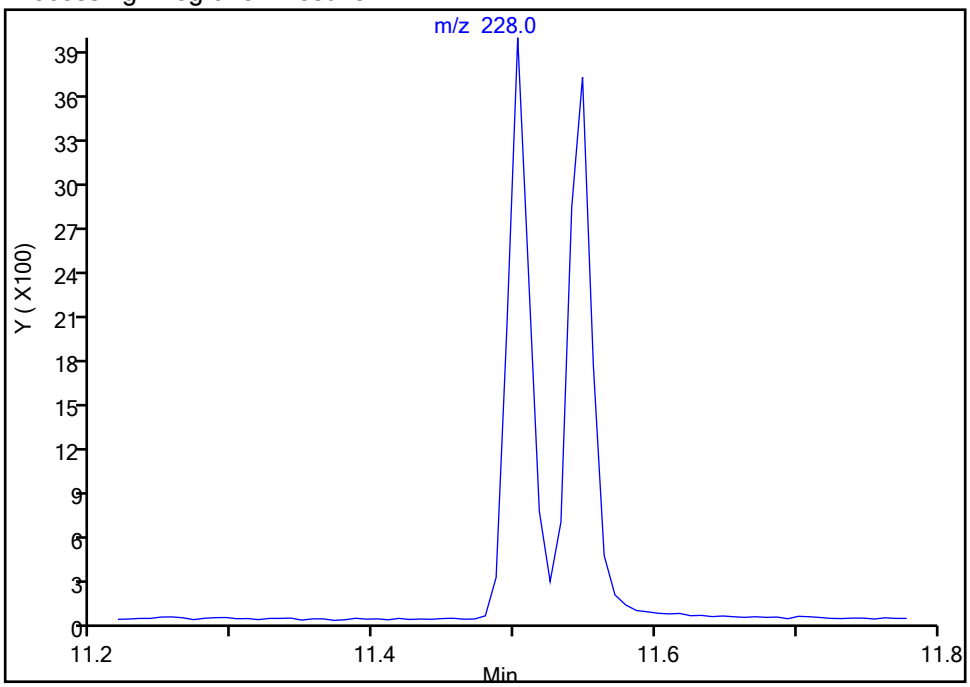
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

28 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

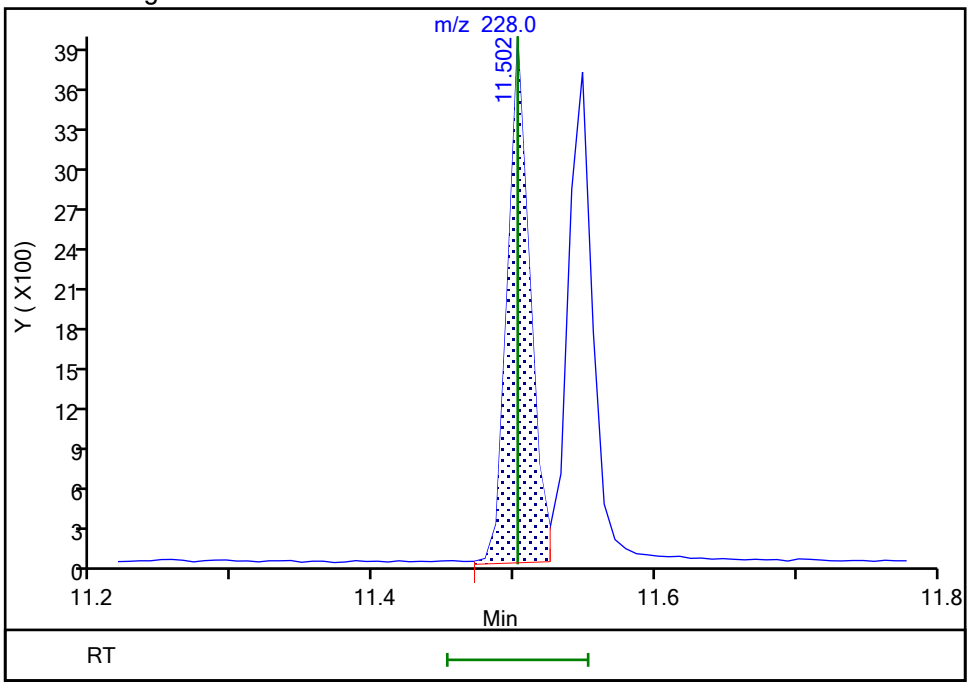
Not Detected
Expected RT: 11.50

Processing Integration Results



Manual Integration Results

RT: 11.50
Area: 4277
Amount: 0.011302
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:22:59
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

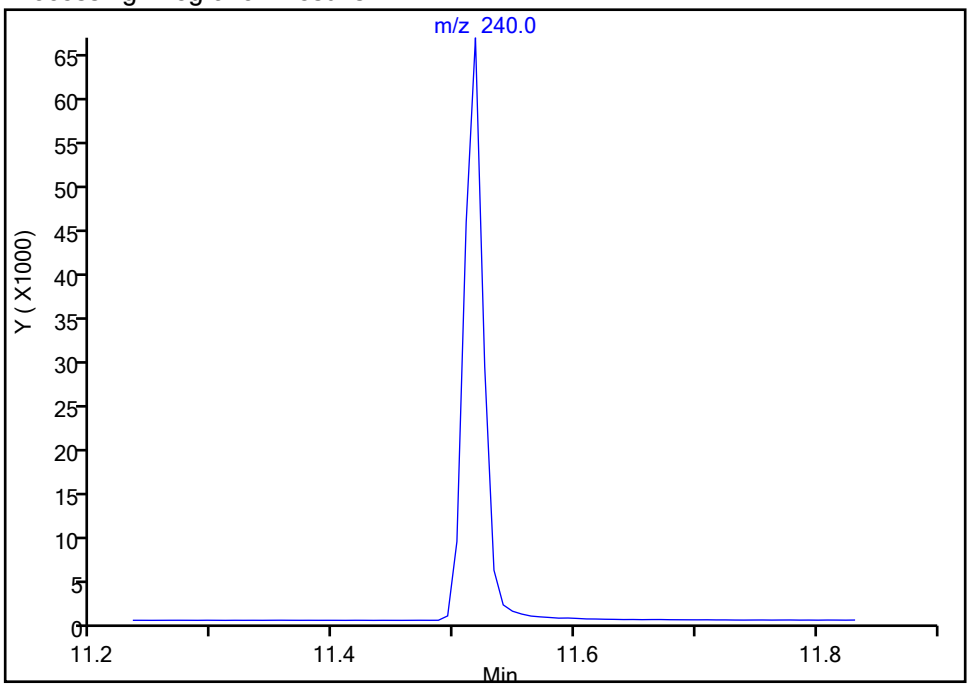
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 29 Chrysene-d12, CAS: 1719-03-5

Signal: 1

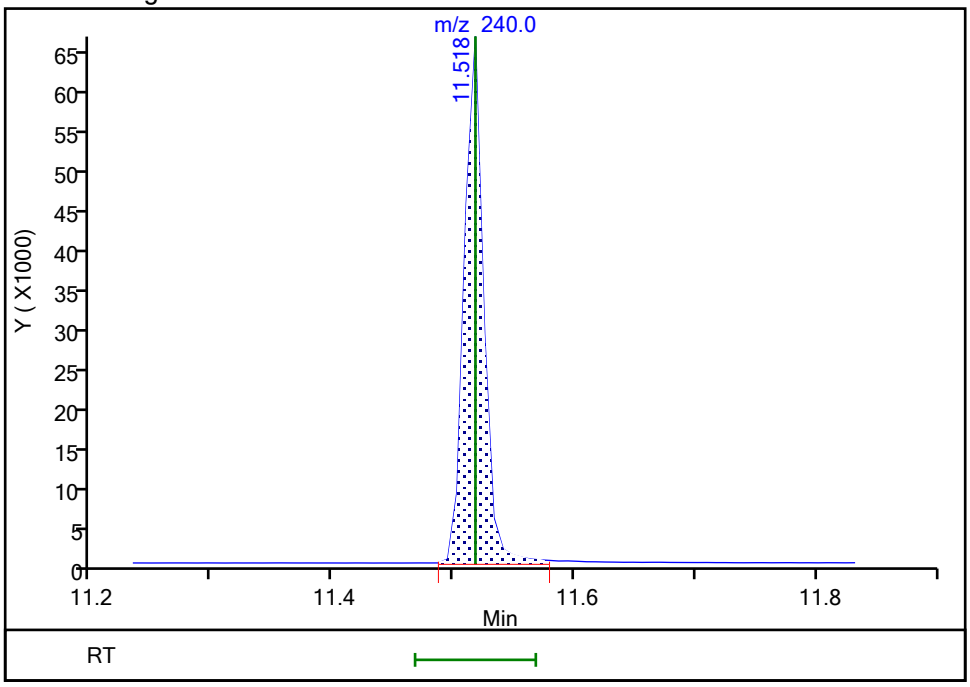
Not Detected
Expected RT: 11.52

Processing Integration Results



Manual Integration Results

RT: 11.52
Area: 74605
Amount: 0.250000
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:23:06
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

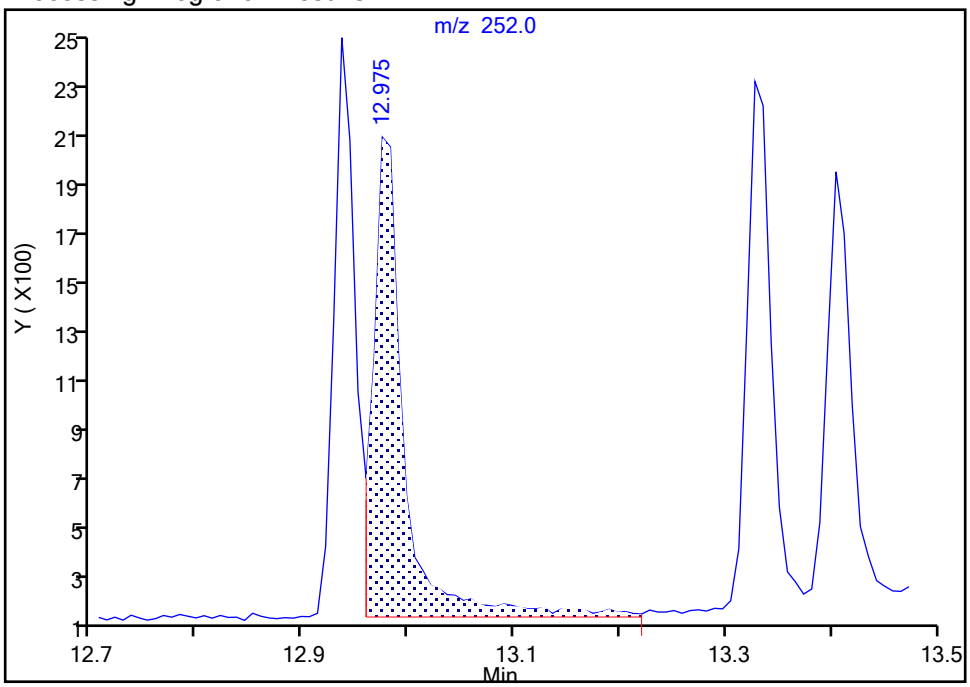
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

34 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

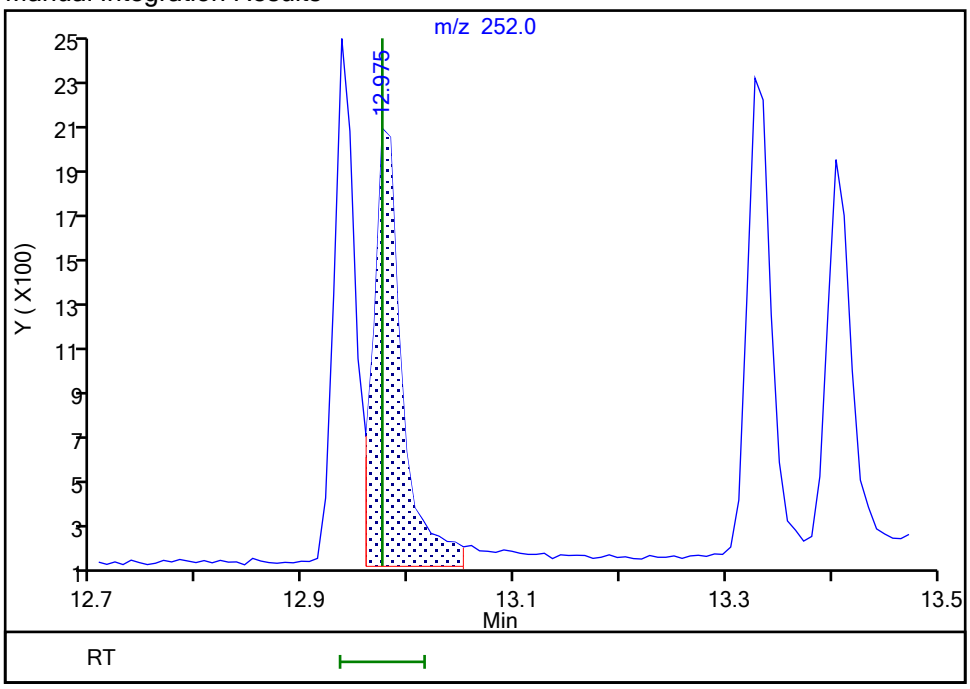
Processing Integration Results

RT: 12.97
Area: 3875
Amount: 0.011568
Amount Units: ug/ml



Manual Integration Results

RT: 12.97
Area: 3613
Amount: 0.010928
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:23:18

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

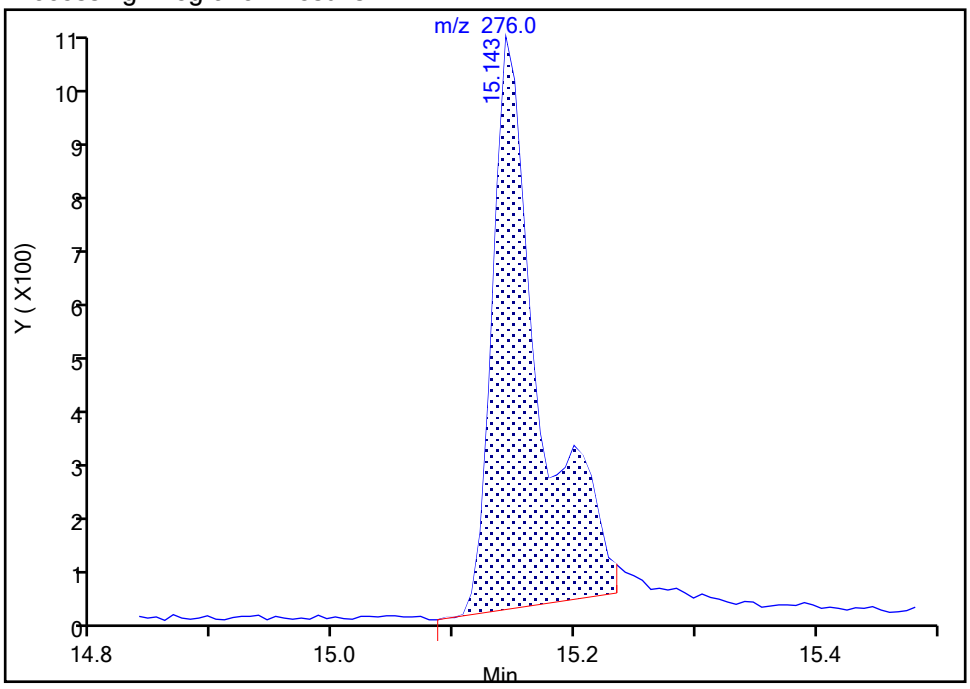
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

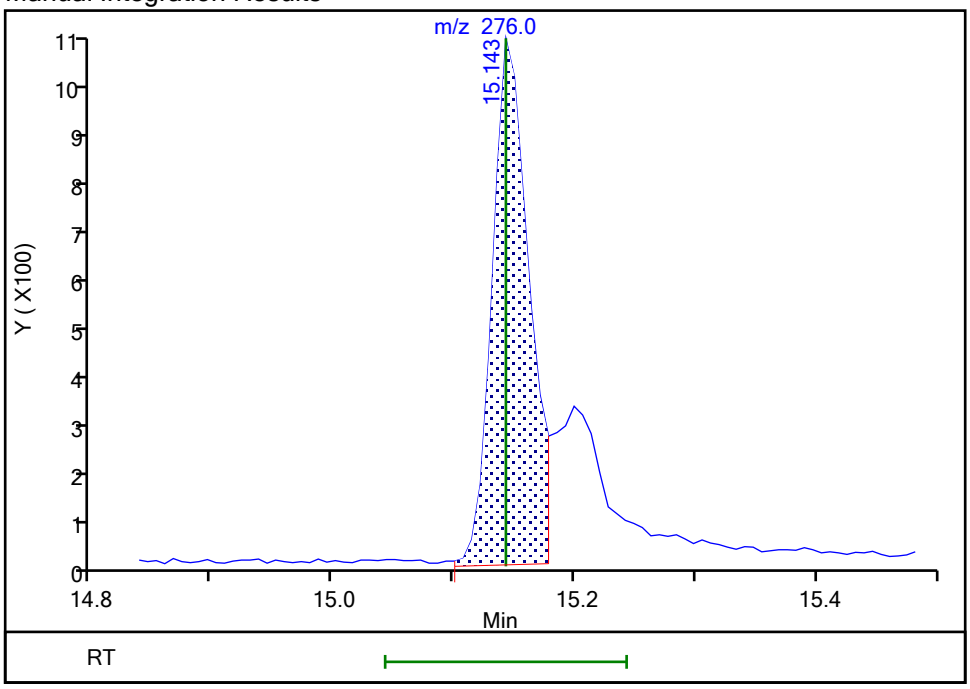
Processing Integration Results

RT: 15.14
Area: 2676
Amount: 0.012208
Amount Units: ug/ml



Manual Integration Results

RT: 15.14
Area: 2131
Amount: 0.010142
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:23:28

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

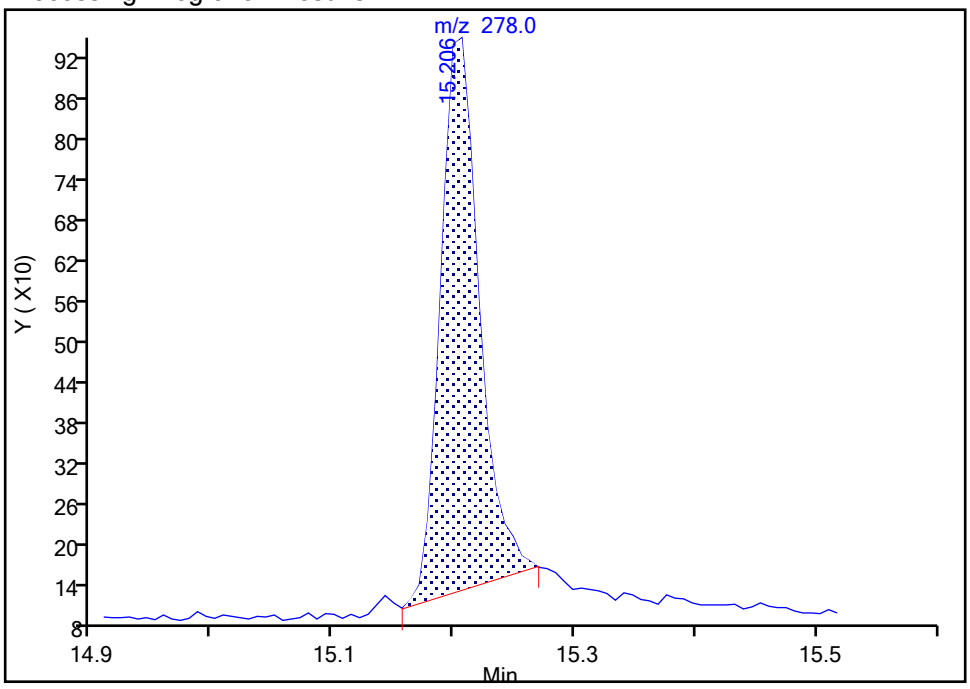
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

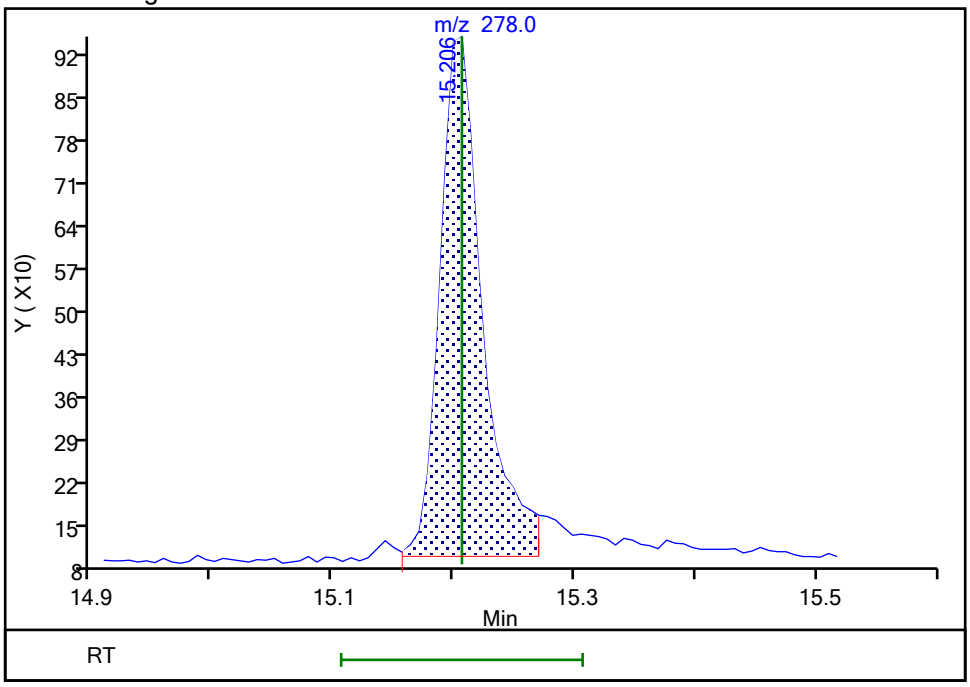
Processing Integration Results

RT: 15.21
Area: 1839
Amount: 0.008371
Amount Units: ug/ml



Manual Integration Results

RT: 15.21
Area: 2080
Amount: 0.009298
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:23:35

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

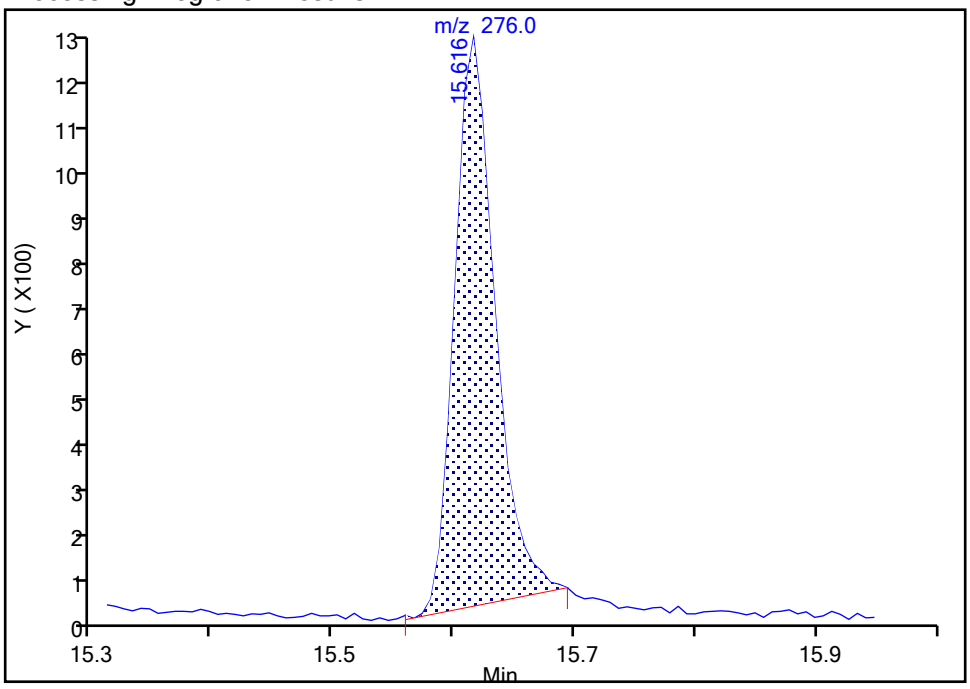
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

42 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

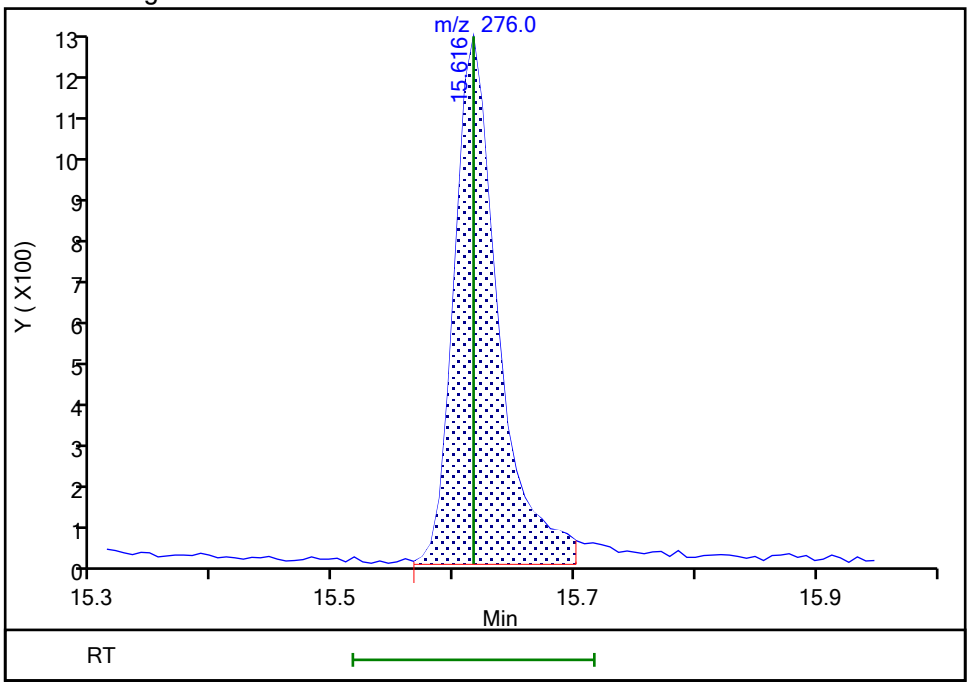
Processing Integration Results

RT: 15.62
Area: 2638
Amount: 0.009972
Amount Units: ug/ml



Manual Integration Results

RT: 15.62
Area: 2921
Amount: 0.010848
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:23:42

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

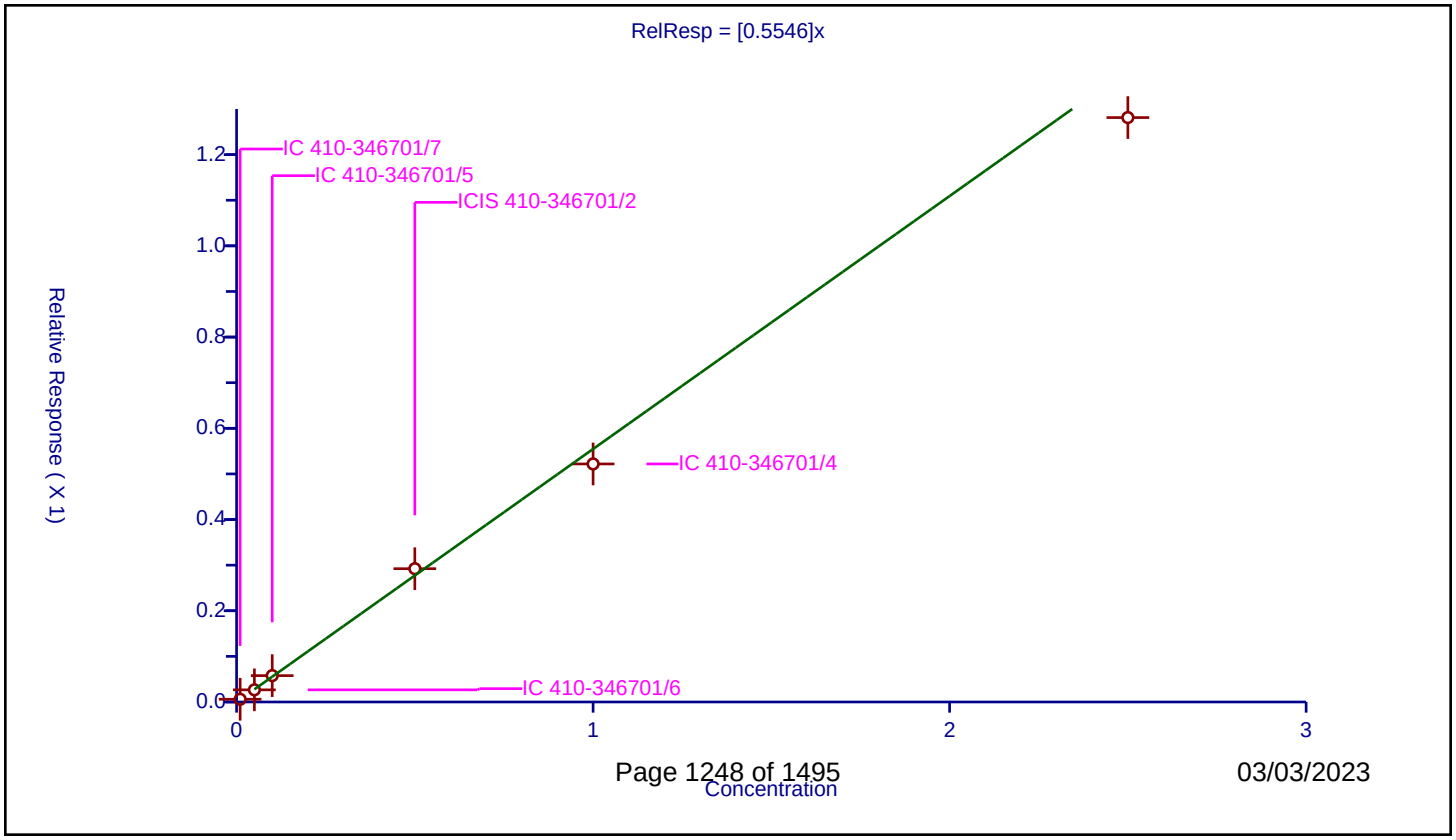
Curve Coefficients

Intercept:	0
Slope:	0.5546

Error Coefficients

Standard Error:	131000
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 410-346701/7	0.01	0.005985	0.25	57272.0	0.59846	Y
2	IC 410-346701/6	0.05	0.026613	0.25	54767.0	0.532255	Y
3	IC 410-346701/5	0.1	0.057801	0.25	55847.0	0.578008	Y
4	ICIS 410-346701/2	0.5	0.292252	0.25	49684.0	0.584504	Y
5	IC 410-346701/4	1.0	0.521886	0.25	54990.0	0.521886	Y
6	IC 410-346701/3	2.5	1.281206	0.25	51473.0	0.512482	Y



Calibration / N-Nitrosodimethylamine

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

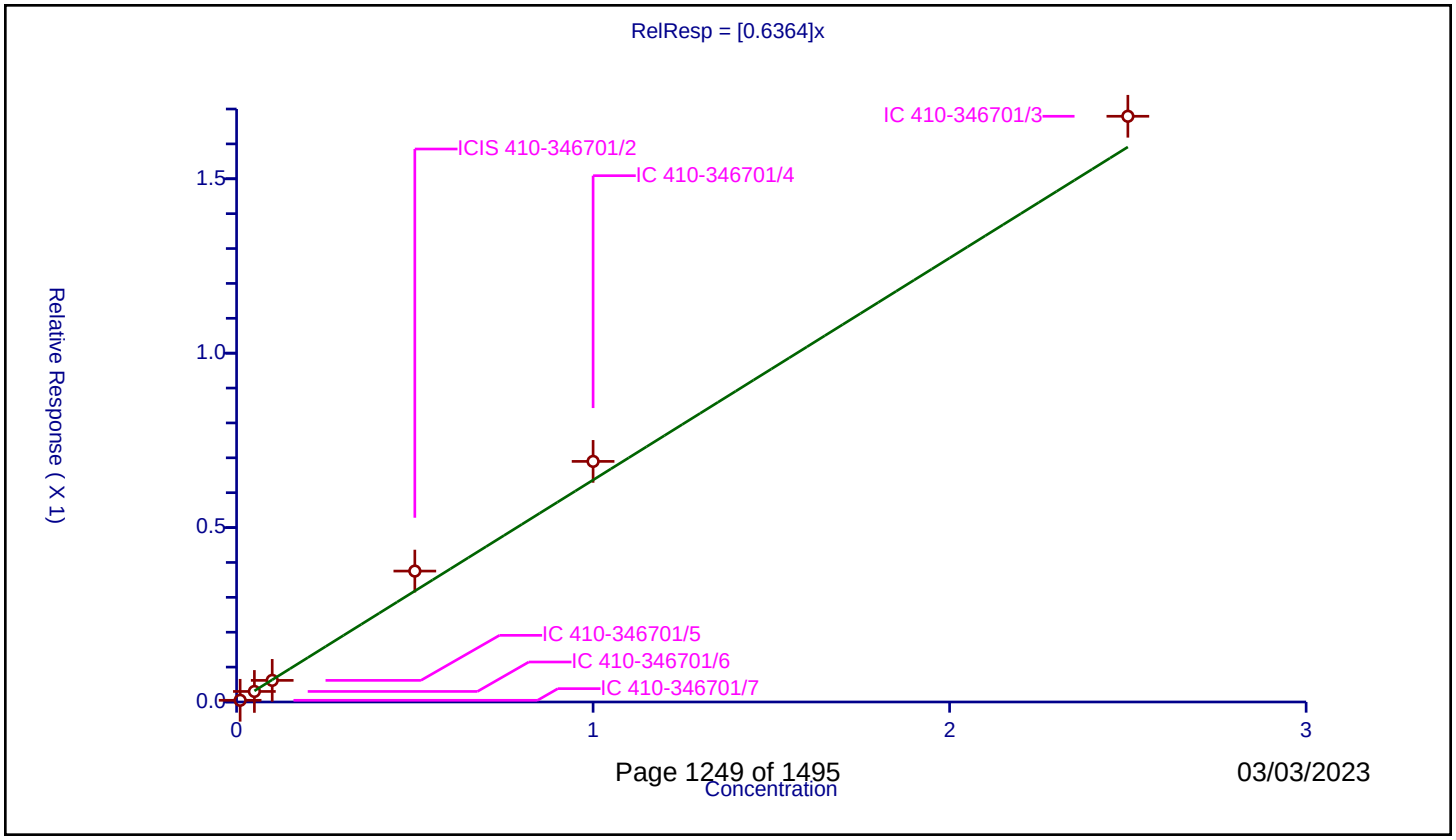
Curve Coefficients

Intercept:	0
Slope:	0.6364

Error Coefficients

Standard Error:	172000
Relative Standard Error:	14.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.004819	0.25	57272.0	0.481911	Y
2	IC 410-346701/6	0.05	0.030255	0.25	54767.0	0.605109	Y
3	IC 410-346701/5	0.1	0.061955	0.25	55847.0	0.61955	Y
4	ICIS 410-346701/2	0.5	0.375337	0.25	49684.0	0.750674	Y
5	IC 410-346701/4	1.0	0.689762	0.25	54990.0	0.689762	Y
6	IC 410-346701/3	2.5	1.679235	0.25	51473.0	0.671694	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

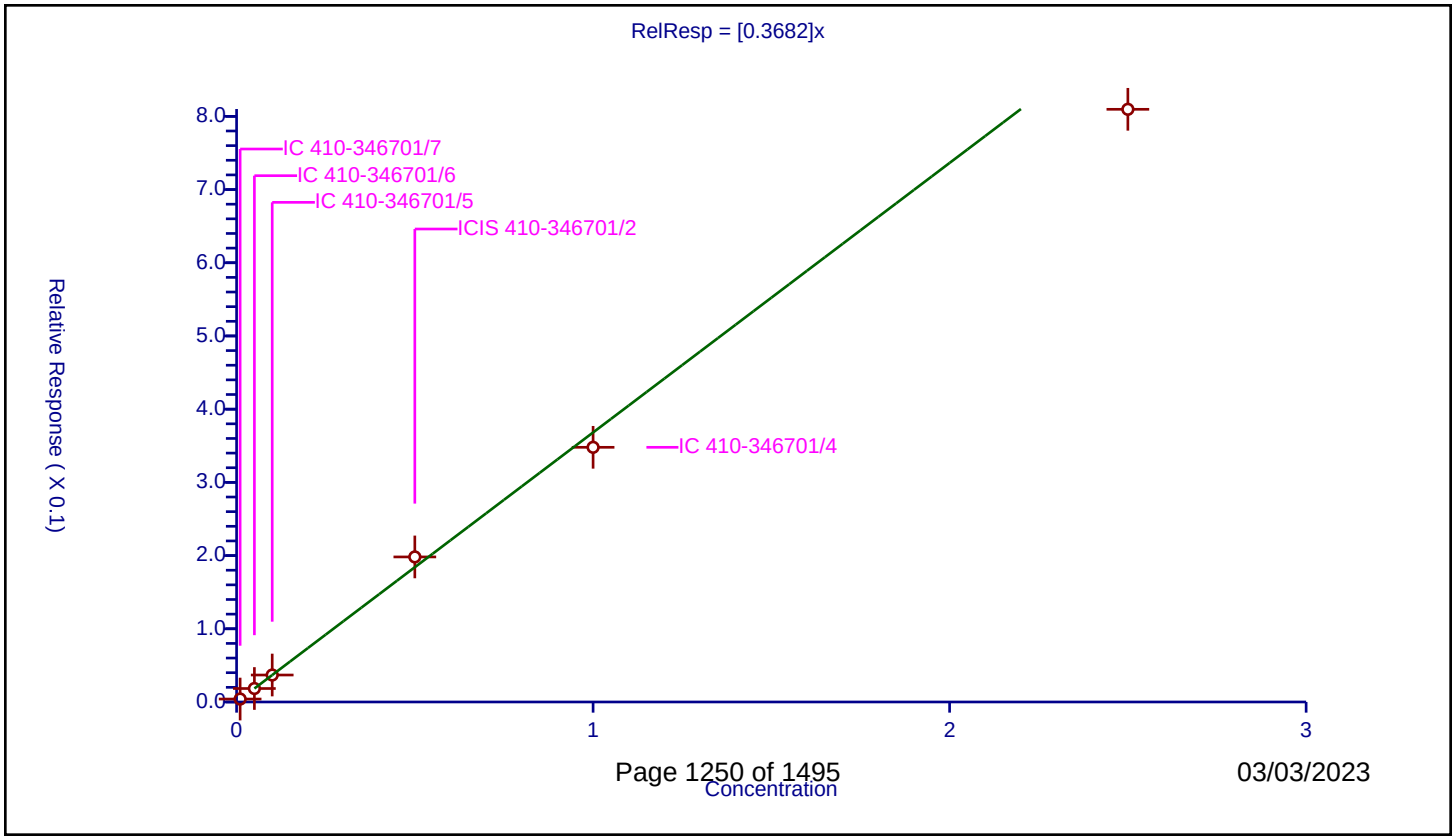
Curve Coefficients

Intercept:	0
Slope:	0.3682

Error Coefficients

Standard Error:	300000
Relative Standard Error:	8.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.004039	0.25	197507.0	0.40391	Y
2	IC 410-346701/6	0.05	0.018424	0.25	189864.0	0.368474	Y
3	IC 410-346701/5	0.1	0.036859	0.25	191695.0	0.368593	Y
4	ICIS 410-346701/2	0.5	0.198138	0.25	170375.0	0.396276	Y
5	IC 410-346701/4	1.0	0.347894	0.25	189739.0	0.347894	Y
6	IC 410-346701/3	2.5	0.809585	0.25	185528.0	0.323834	Y



Calibration / Naphthalene

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

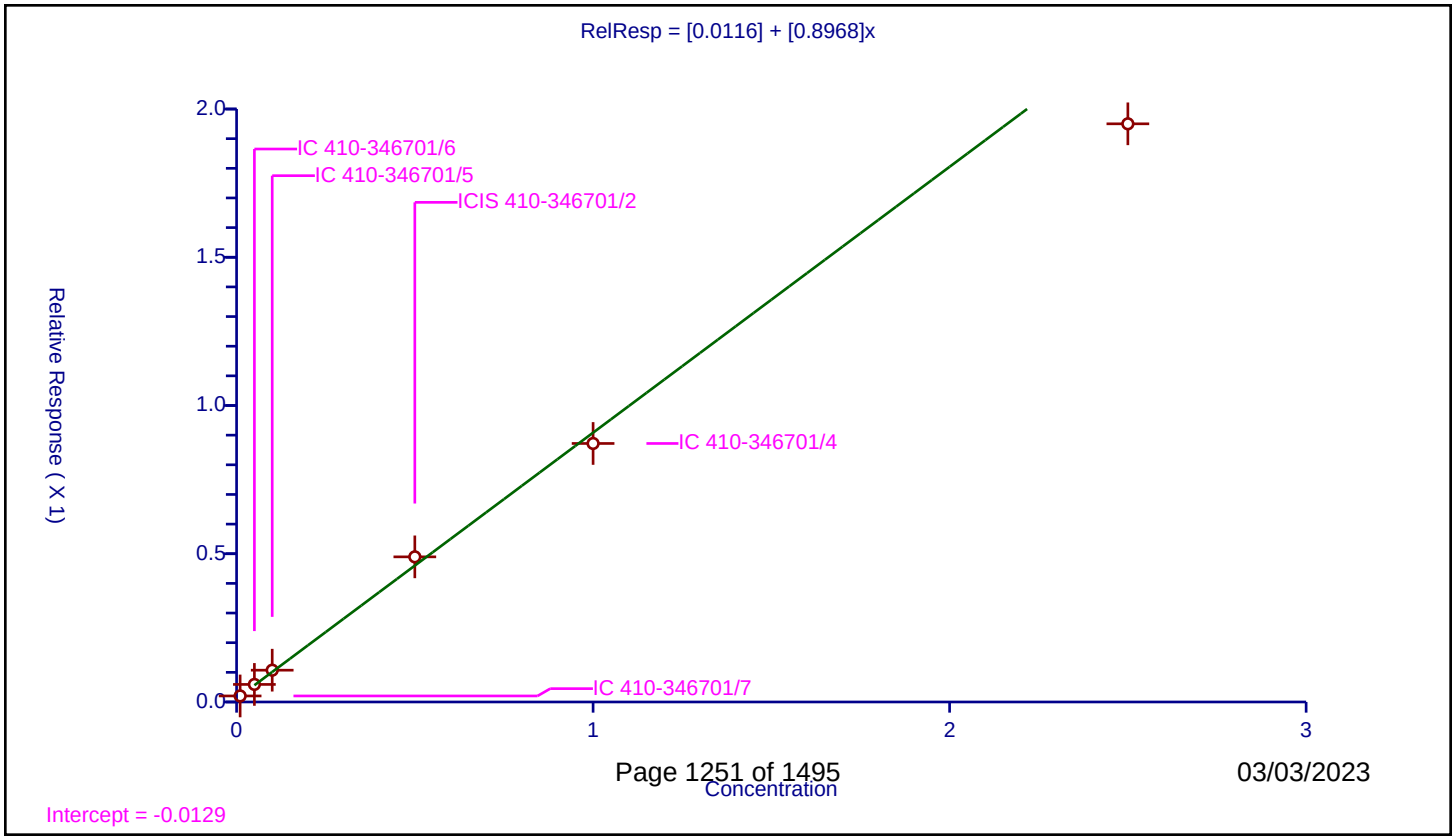
Curve Coefficients

Intercept:	0.0116
Slope:	0.8968

Error Coefficients

Standard Error:	814000
Relative Standard Error:	9.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.020393	0.25	197507.0	2.039295	Y
2	IC 410-346701/6	0.05	0.059248	0.25	189864.0	1.184953	Y
3	IC 410-346701/5	0.1	0.107293	0.25	191695.0	1.072928	Y
4	ICIS 410-346701/2	0.5	0.489494	0.25	170375.0	0.978988	Y
5	IC 410-346701/4	1.0	0.871943	0.25	189739.0	0.871943	Y
6	IC 410-346701/3	2.5	1.950079	0.25	185528.0	0.780032	Y



Calibration / Quinoline

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

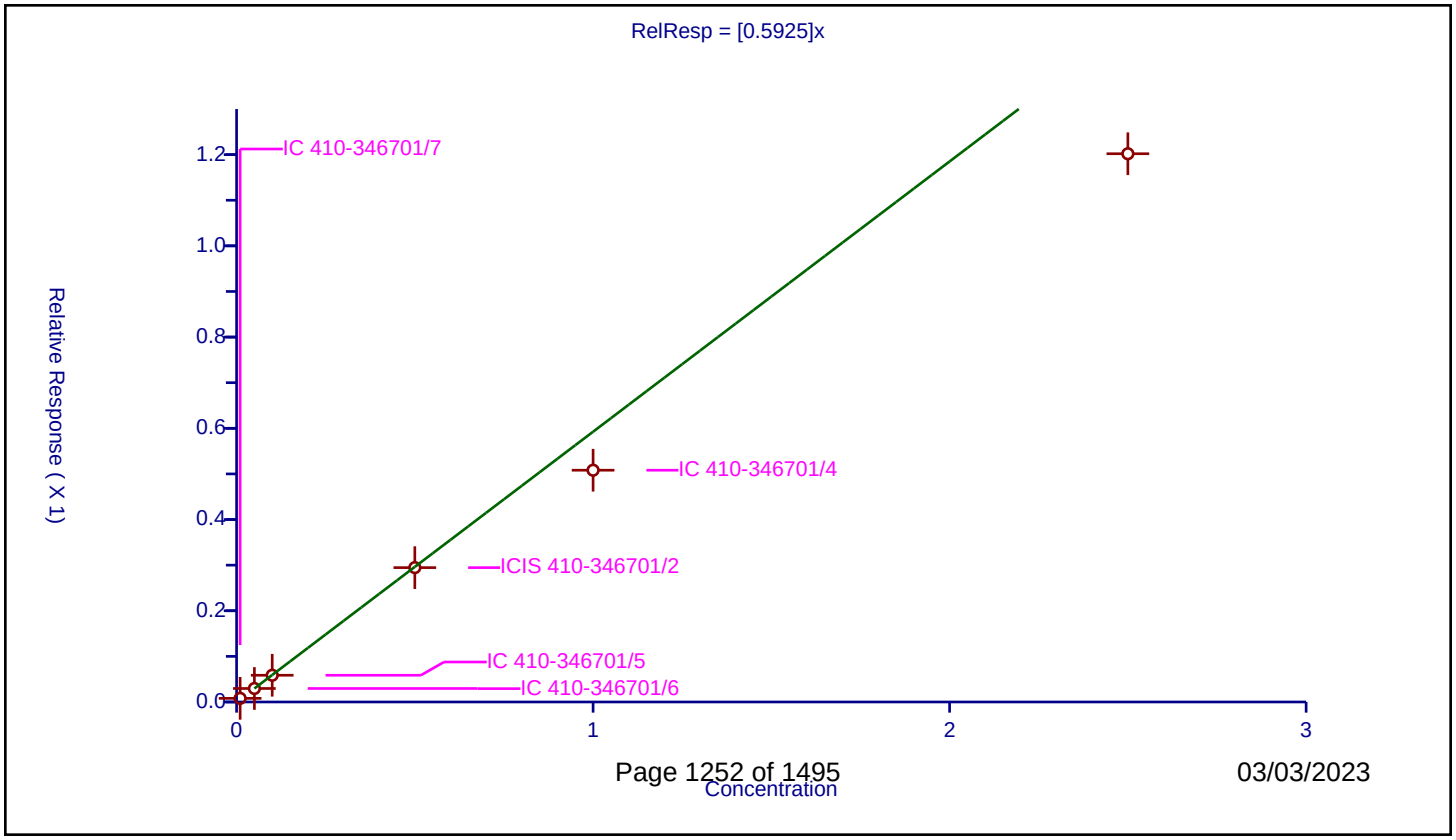
Curve Coefficients

Intercept:	0
Slope:	0.5925

Error Coefficients

Standard Error:	444000
Relative Standard Error:	18.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.949

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.007987	0.25	197507.0	0.798706	Y
2	IC 410-346701/6	0.05	0.029604	0.25	189864.0	0.592082	Y
3	IC 410-346701/5	0.1	0.058622	0.25	191695.0	0.586218	Y
4	ICIS 410-346701/2	0.5	0.294574	0.25	170375.0	0.589147	Y
5	IC 410-346701/4	1.0	0.508137	0.25	189739.0	0.508137	Y
6	IC 410-346701/3	2.5	1.201976	0.25	185528.0	0.480791	Y



Calibration / 2-Methylnaphthalene

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

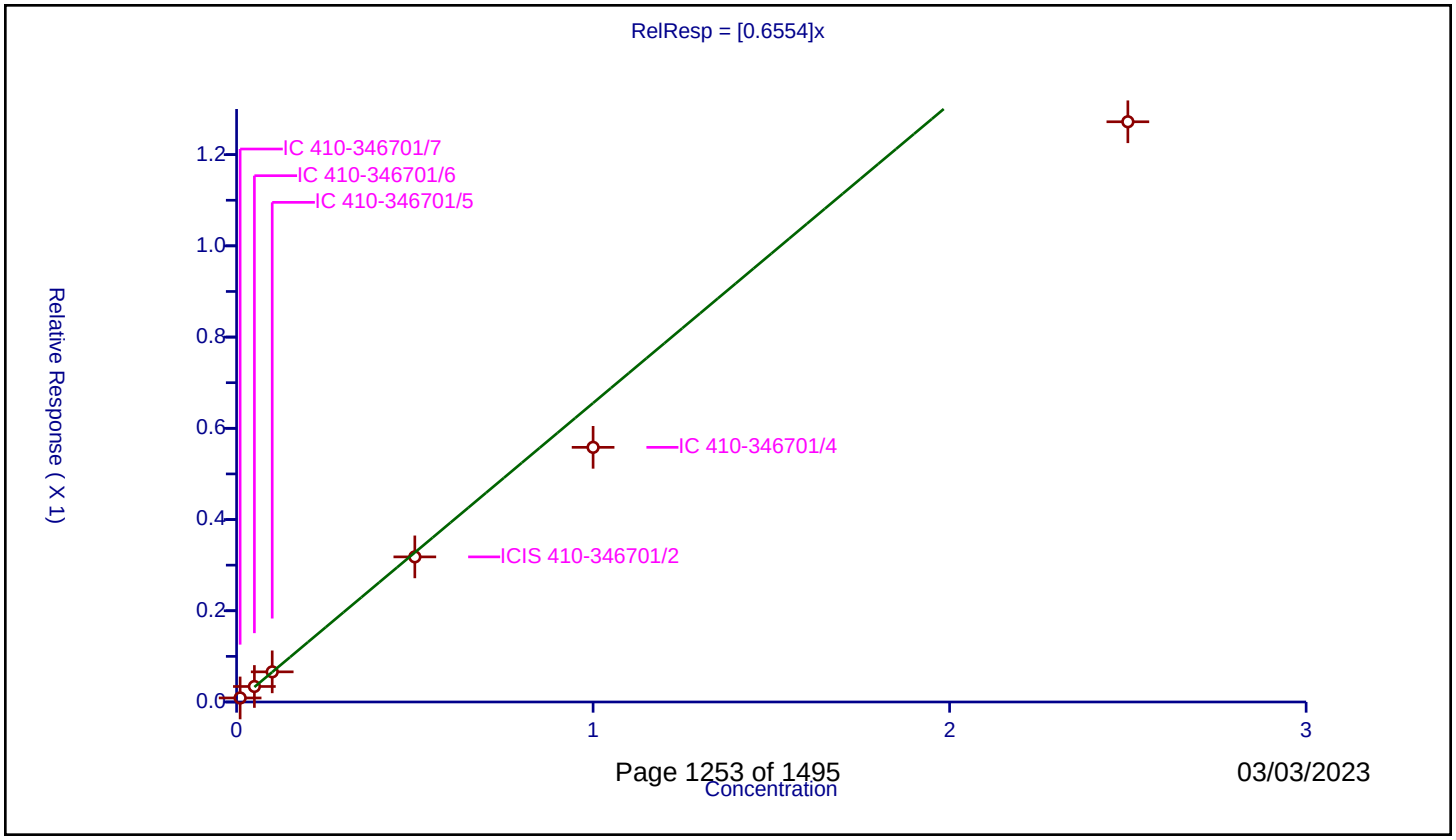
Curve Coefficients

Intercept:	0
Slope:	0.6554

Error Coefficients

Standard Error:	473000
Relative Standard Error:	20.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.942

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.008886	0.25	197507.0	0.888576	Y
2	IC 410-346701/6	0.05	0.033982	0.25	189864.0	0.679644	Y
3	IC 410-346701/5	0.1	0.066076	0.25	191695.0	0.660763	Y
4	ICIS 410-346701/2	0.5	0.318151	0.25	170375.0	0.636302	Y
5	IC 410-346701/4	1.0	0.55827	0.25	189739.0	0.55827	Y
6	IC 410-346701/3	2.5	1.272064	0.25	185528.0	0.508826	Y



Calibration / 1-Methylnaphthalene-d10

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

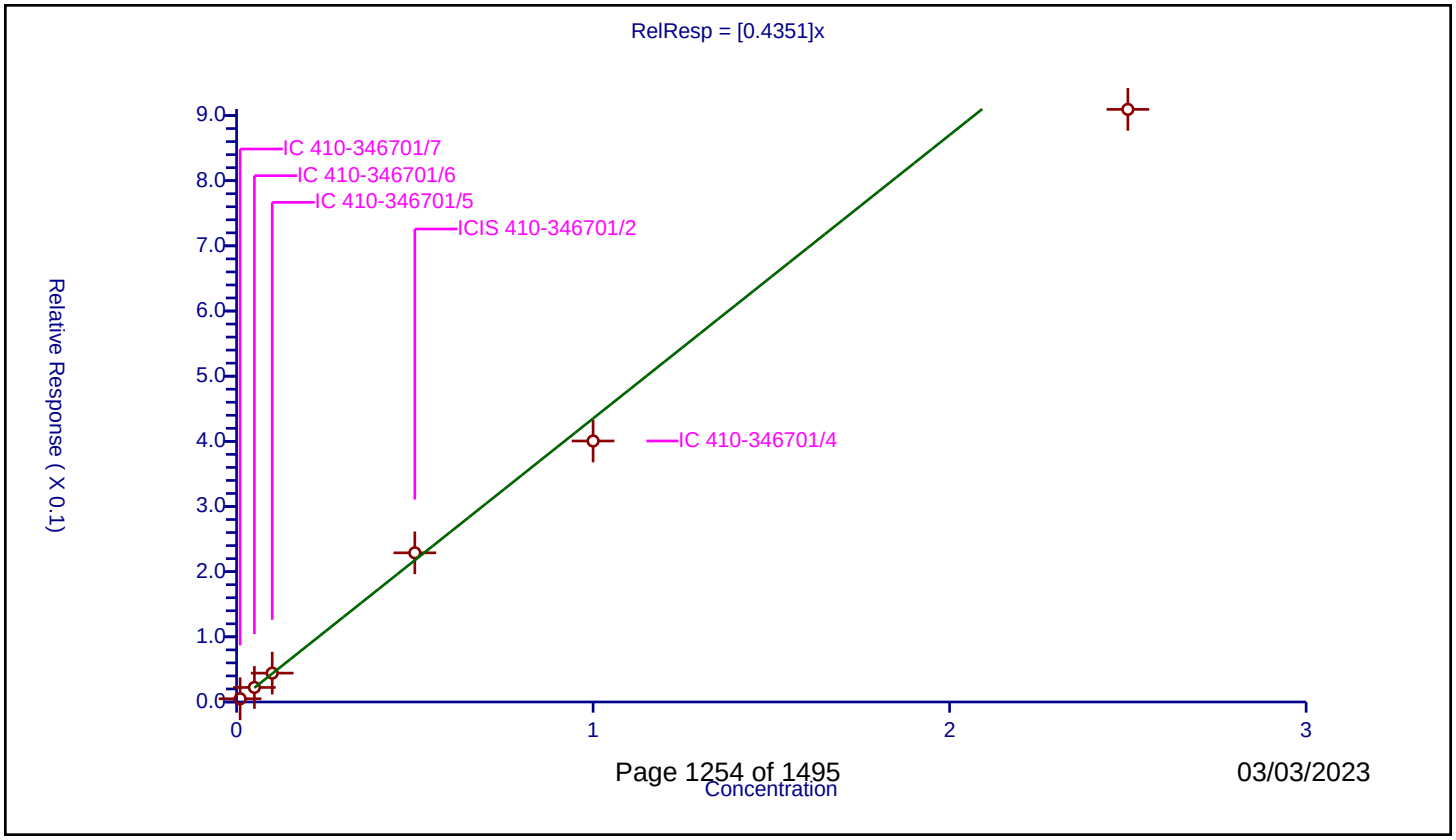
Curve Coefficients

Intercept:	0
Slope:	0.4351

Error Coefficients

Standard Error:	339000
Relative Standard Error:	10.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.00499	0.25	197507.0	0.49897	Y
2	IC 410-346701/6	0.05	0.022317	0.25	189864.0	0.446346	Y
3	IC 410-346701/5	0.1	0.044293	0.25	191695.0	0.44293	Y
4	ICIS 410-346701/2	0.5	0.228924	0.25	170375.0	0.457849	Y
5	IC 410-346701/4	1.0	0.400524	0.25	189739.0	0.400524	Y
6	IC 410-346701/3	2.5	0.909436	0.25	185528.0	0.363774	Y



Calibration / 1-Methylnaphthalene

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

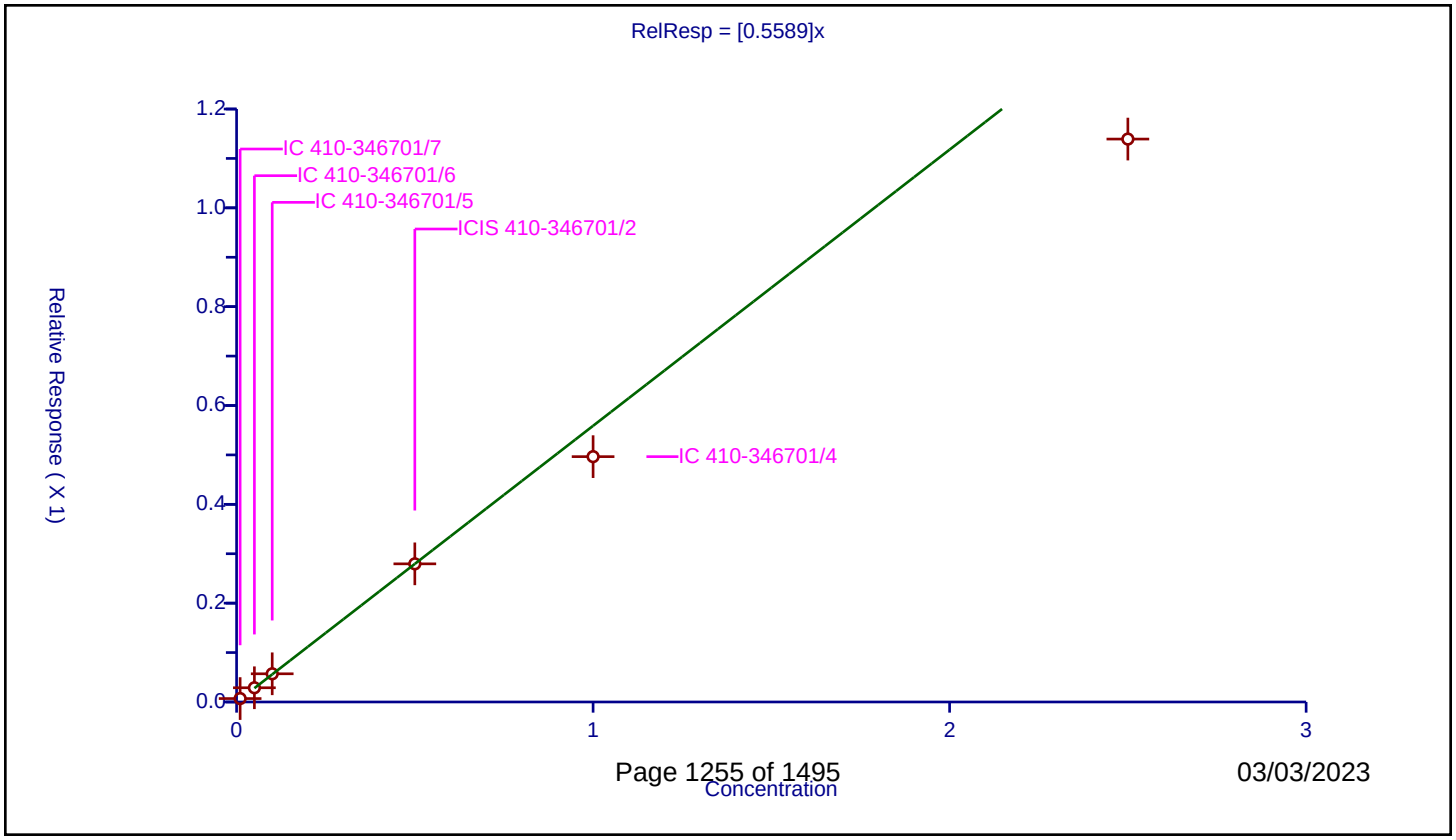
Curve Coefficients

Intercept:	0
Slope:	0.5589

Error Coefficients

Standard Error:	423000
Relative Standard Error:	14.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.006958	0.25	197507.0	0.695798	Y
2	IC 410-346701/6	0.05	0.028778	0.25	189864.0	0.57557	Y
3	IC 410-346701/5	0.1	0.057067	0.25	191695.0	0.570672	Y
4	ICIS 410-346701/2	0.5	0.279566	0.25	170375.0	0.559131	Y
5	IC 410-346701/4	1.0	0.496483	0.25	189739.0	0.496483	Y
6	IC 410-346701/3	2.5	1.139205	0.25	185528.0	0.455682	Y



Calibration / Dimethyl phthalate

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

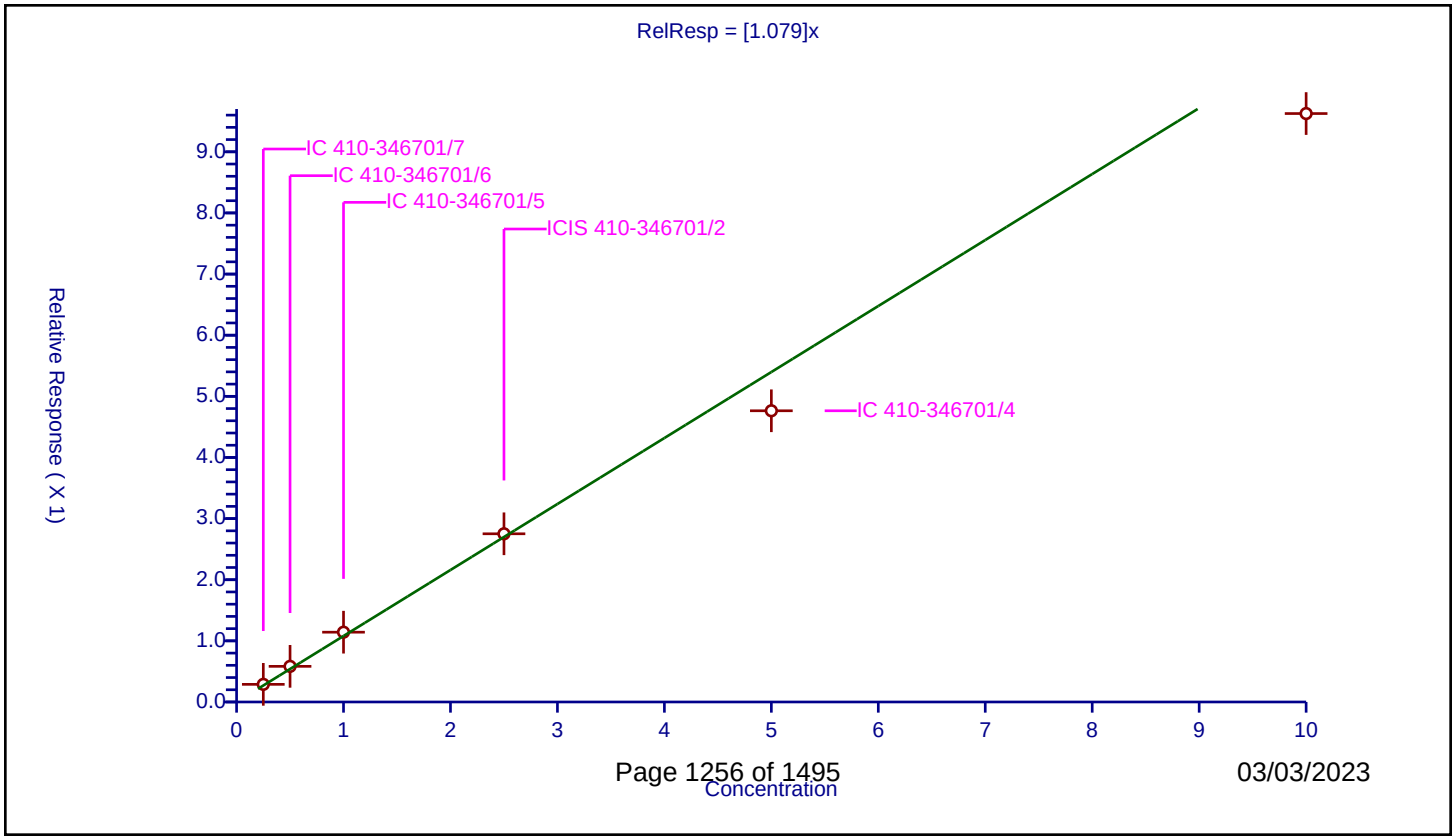
Curve Coefficients

Intercept:	0
Slope:	1.079

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	9.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.25	0.288361	0.25	86006.0	1.153443	Y
2	IC 410-346701/6	0.5	0.58284	0.25	83037.0	1.165679	Y
3	IC 410-346701/5	1.0	1.141948	0.25	81926.0	1.141948	Y
4	ICIS 410-346701/2	2.5	2.751577	0.25	72429.0	1.100631	Y
5	IC 410-346701/4	5.0	4.763596	0.25	79916.0	0.952719	Y
6	IC 410-346701/3	10.0	9.625789	0.25	72546.0	0.962579	Y



Calibration / Acenaphthylene

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

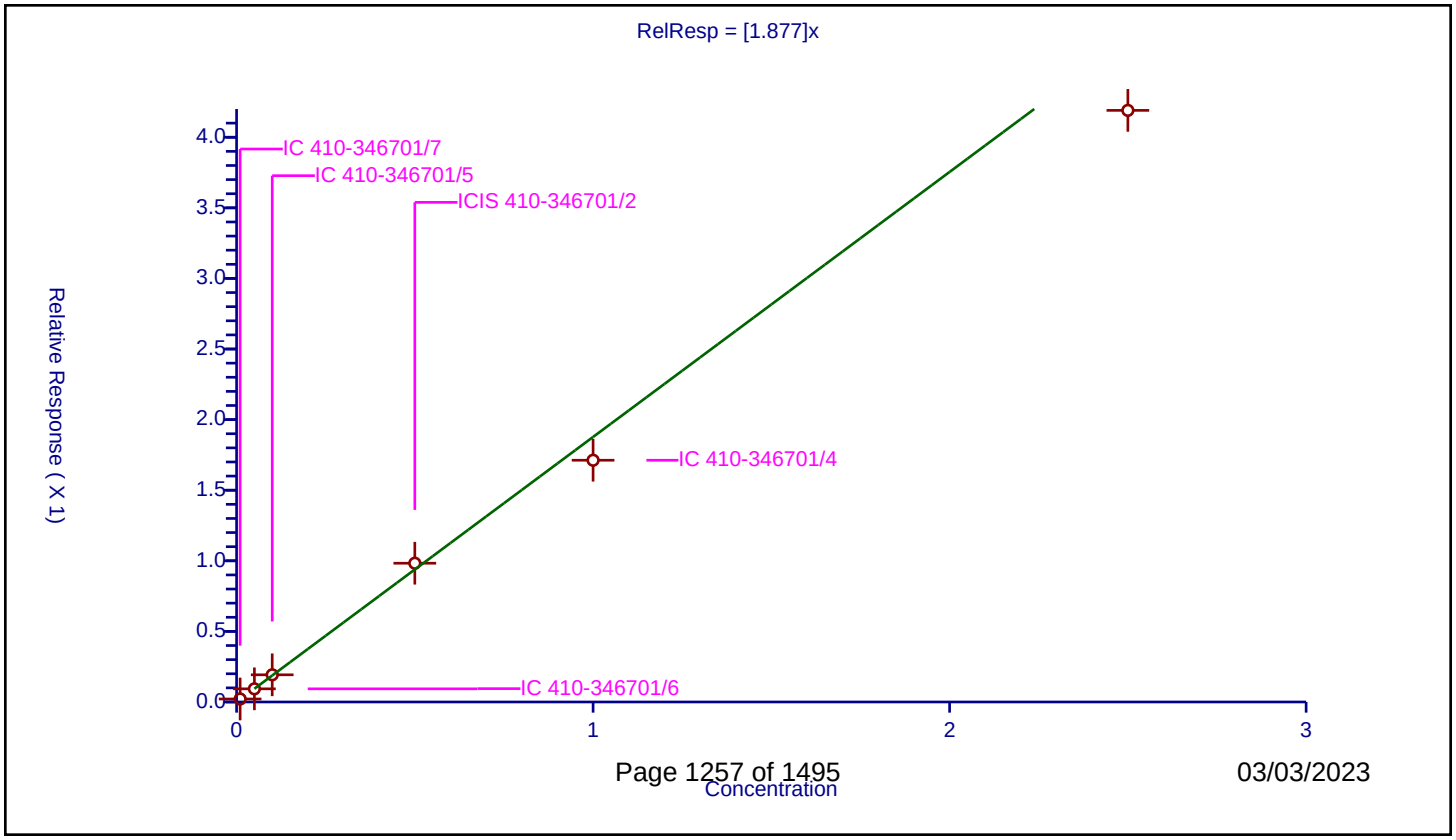
Curve Coefficients

Intercept:	0
Slope:	1.877

Error Coefficients

Standard Error:	611000
Relative Standard Error:	8.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.021167	0.25	86006.0	2.116713	Y
2	IC 410-346701/6	0.05	0.093293	0.25	83037.0	1.865855	Y
3	IC 410-346701/5	0.1	0.192585	0.25	81926.0	1.925854	Y
4	ICIS 410-346701/2	0.5	0.98289	0.25	72429.0	1.96578	Y
5	IC 410-346701/4	1.0	1.712295	0.25	79916.0	1.712295	Y
6	IC 410-346701/3	2.5	4.190365	0.25	72546.0	1.676146	Y



Calibration / Acenaphthene

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

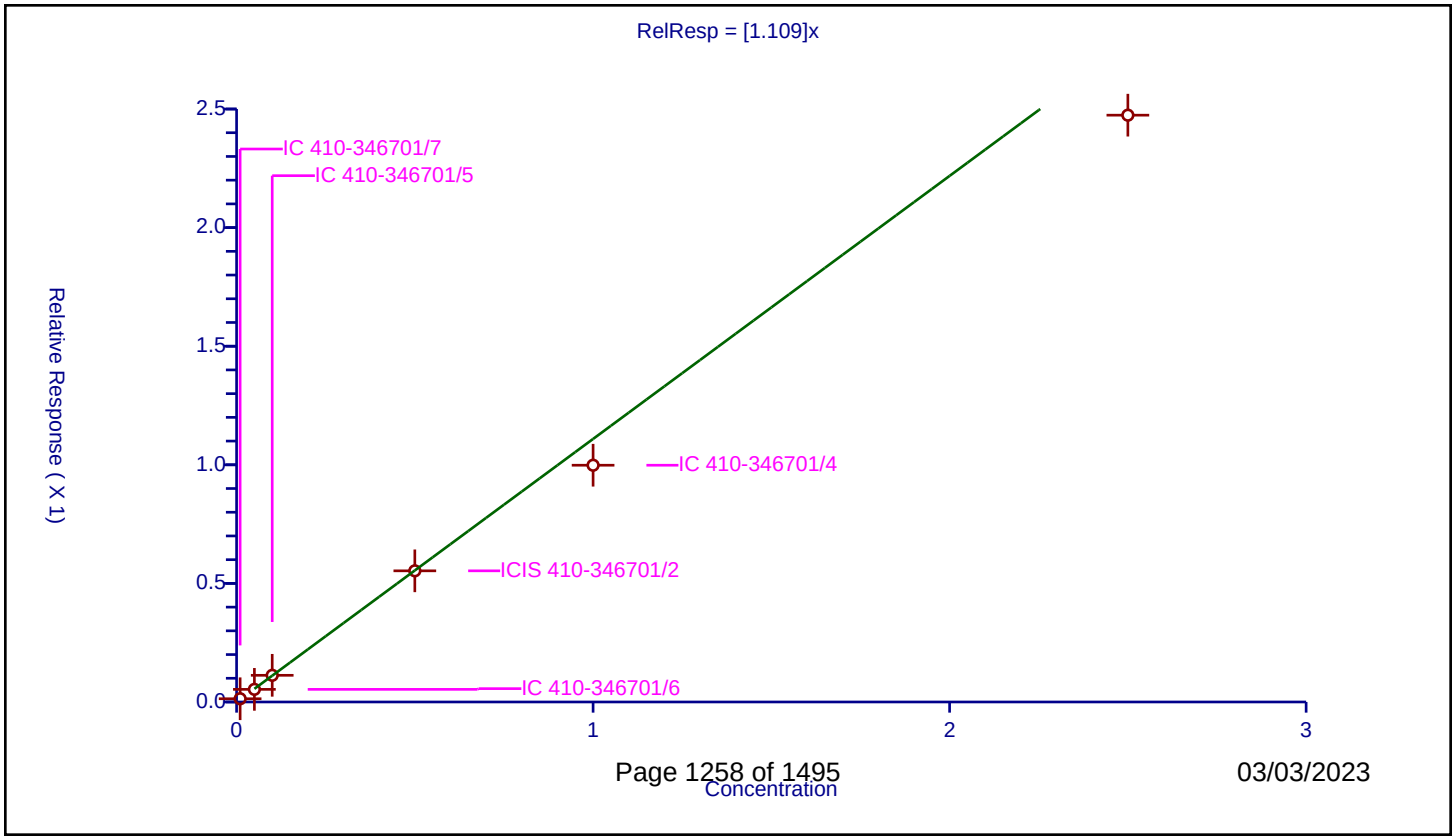
Curve Coefficients

Intercept:	0
Slope:	1.109

Error Coefficients

Standard Error:	359000
Relative Standard Error:	12.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.013703	0.25	86006.0	1.370253	Y
2	IC 410-346701/6	0.05	0.05328	0.25	83037.0	1.065609	Y
3	IC 410-346701/5	0.1	0.112452	0.25	81926.0	1.124521	Y
4	ICIS 410-346701/2	0.5	0.553	0.25	72429.0	1.106	Y
5	IC 410-346701/4	1.0	0.998189	0.25	79916.0	0.998189	Y
6	IC 410-346701/3	2.5	2.473999	0.25	72546.0	0.9896	Y



Calibration / Dibenzofuran

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

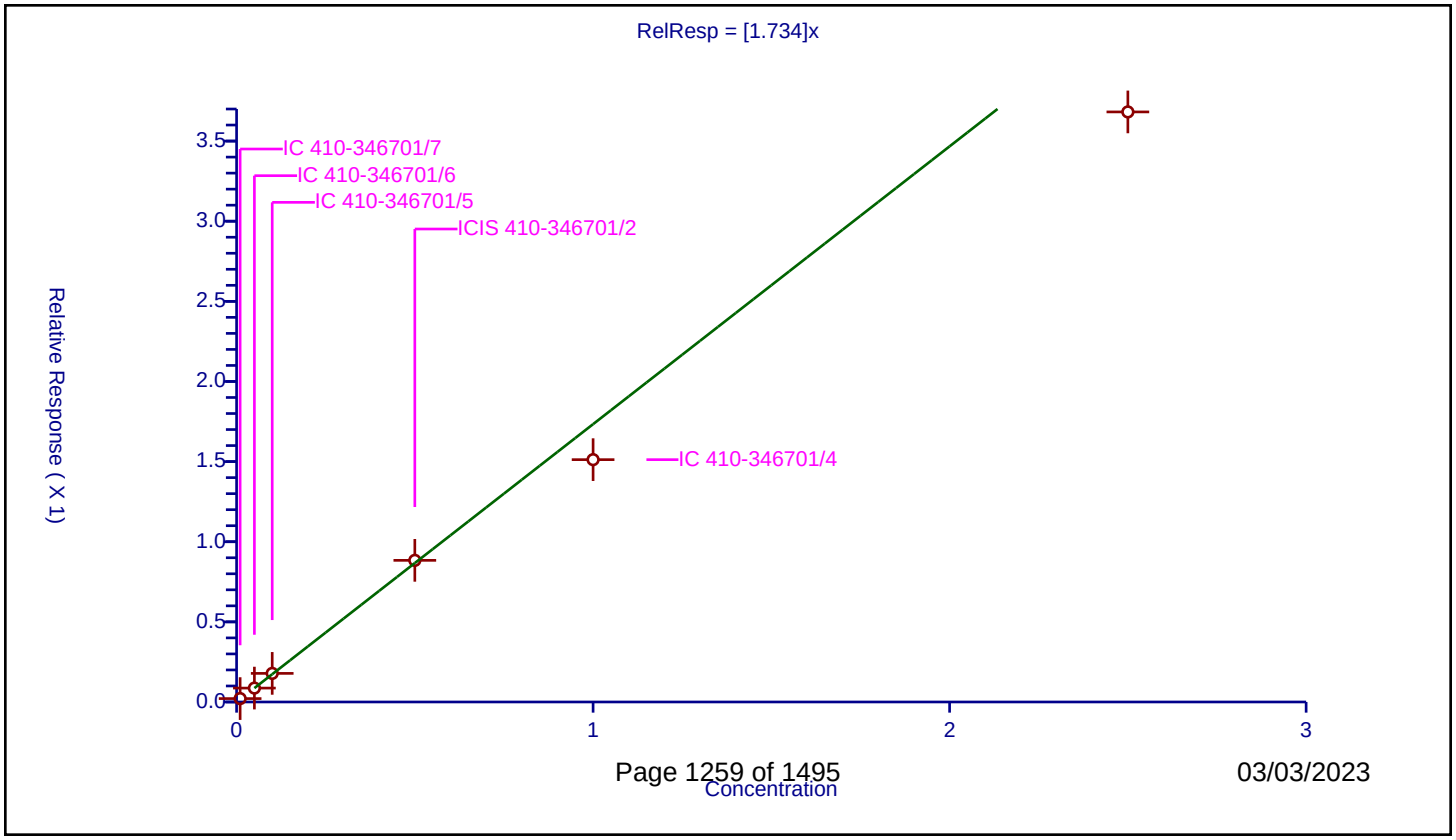
Curve Coefficients

Intercept:	0
Slope:	1.734

Error Coefficients

Standard Error:	538000
Relative Standard Error:	13.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.021295	0.25	86006.0	2.129503	Y
2	IC 410-346701/6	0.05	0.086735	0.25	83037.0	1.734709	Y
3	IC 410-346701/5	0.1	0.178466	0.25	81926.0	1.784659	Y
4	ICIS 410-346701/2	0.5	0.883714	0.25	72429.0	1.767427	Y
5	IC 410-346701/4	1.0	1.512178	0.25	79916.0	1.512178	Y
6	IC 410-346701/3	2.5	3.681781	0.25	72546.0	1.472712	Y



Calibration / Diethyl phthalate

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

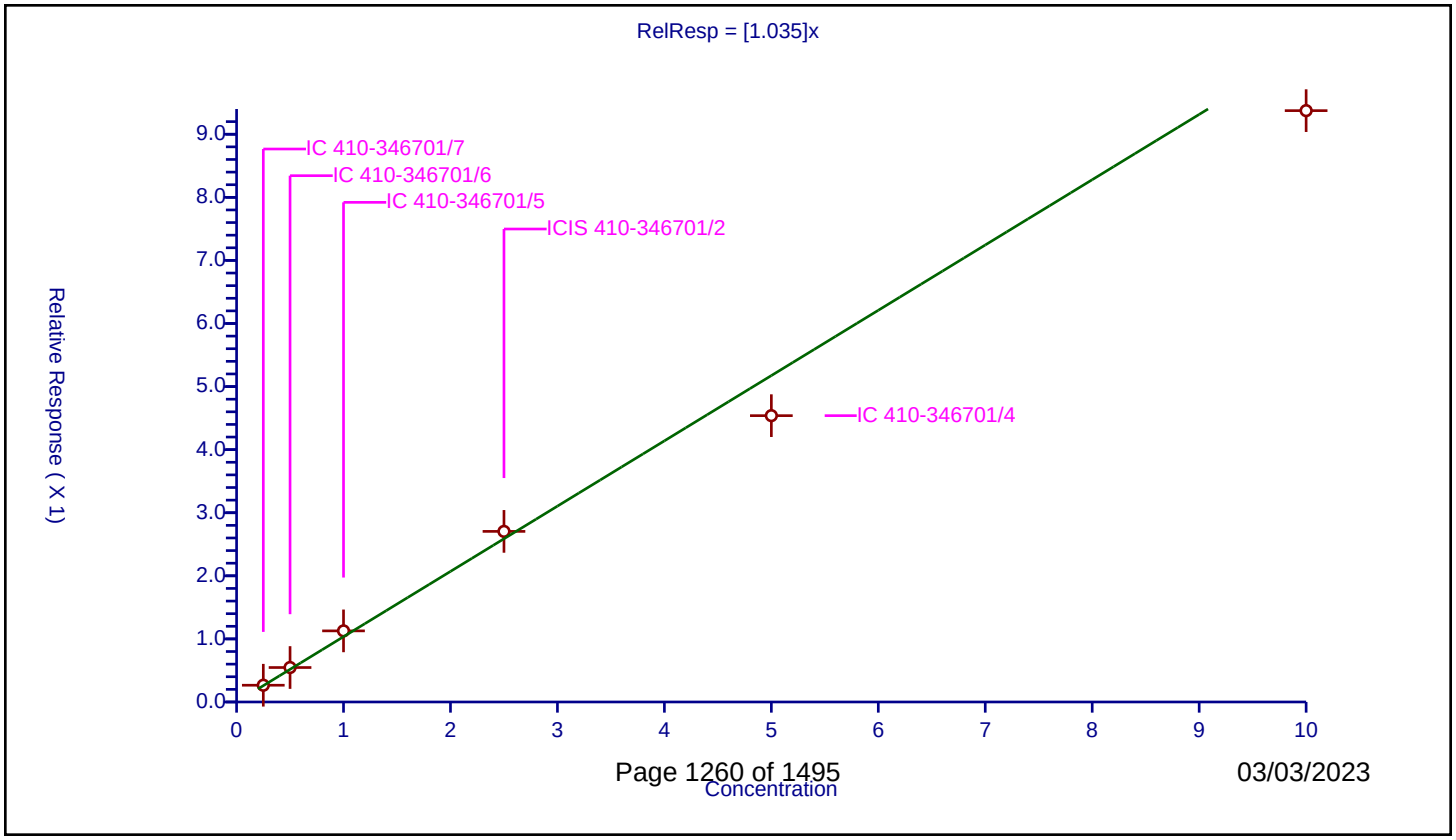
Curve Coefficients

Intercept:	0
Slope:	1.035

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	8.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.25	0.265522	0.25	86006.0	1.062089	Y
2	IC 410-346701/6	0.5	0.546549	0.25	83037.0	1.093097	Y
3	IC 410-346701/5	1.0	1.127264	0.25	81926.0	1.127264	Y
4	ICIS 410-346701/2	2.5	2.704262	0.25	72429.0	1.081705	Y
5	IC 410-346701/4	5.0	4.539022	0.25	79916.0	0.907804	Y
6	IC 410-346701/3	10.0	9.374407	0.25	72546.0	0.937441	Y



Calibration / Fluorene

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

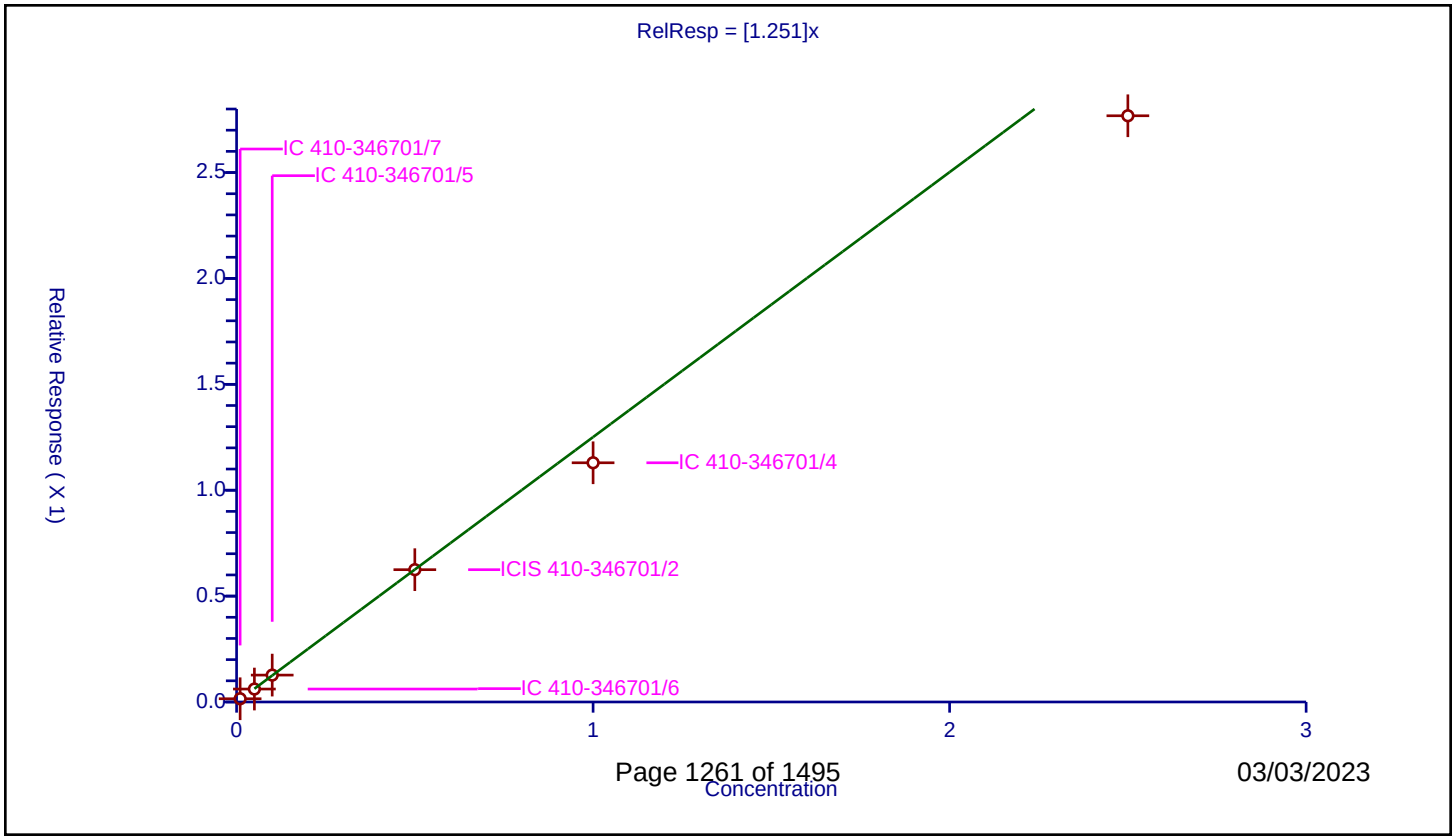
Curve Coefficients

Intercept:	0
Slope:	1.251

Error Coefficients

Standard Error:	403000
Relative Standard Error:	12.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.015272	0.25	86006.0	1.527219	Y
2	IC 410-346701/6	0.05	0.061135	0.25	83037.0	1.222708	Y
3	IC 410-346701/5	0.1	0.126947	0.25	81926.0	1.269469	Y
4	ICIS 410-346701/2	0.5	0.624729	0.25	72429.0	1.249458	Y
5	IC 410-346701/4	1.0	1.129617	0.25	79916.0	1.129617	Y
6	IC 410-346701/3	2.5	2.768147	0.25	72546.0	1.107259	Y



Calibration / N-Nitrosodiphenylamine

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

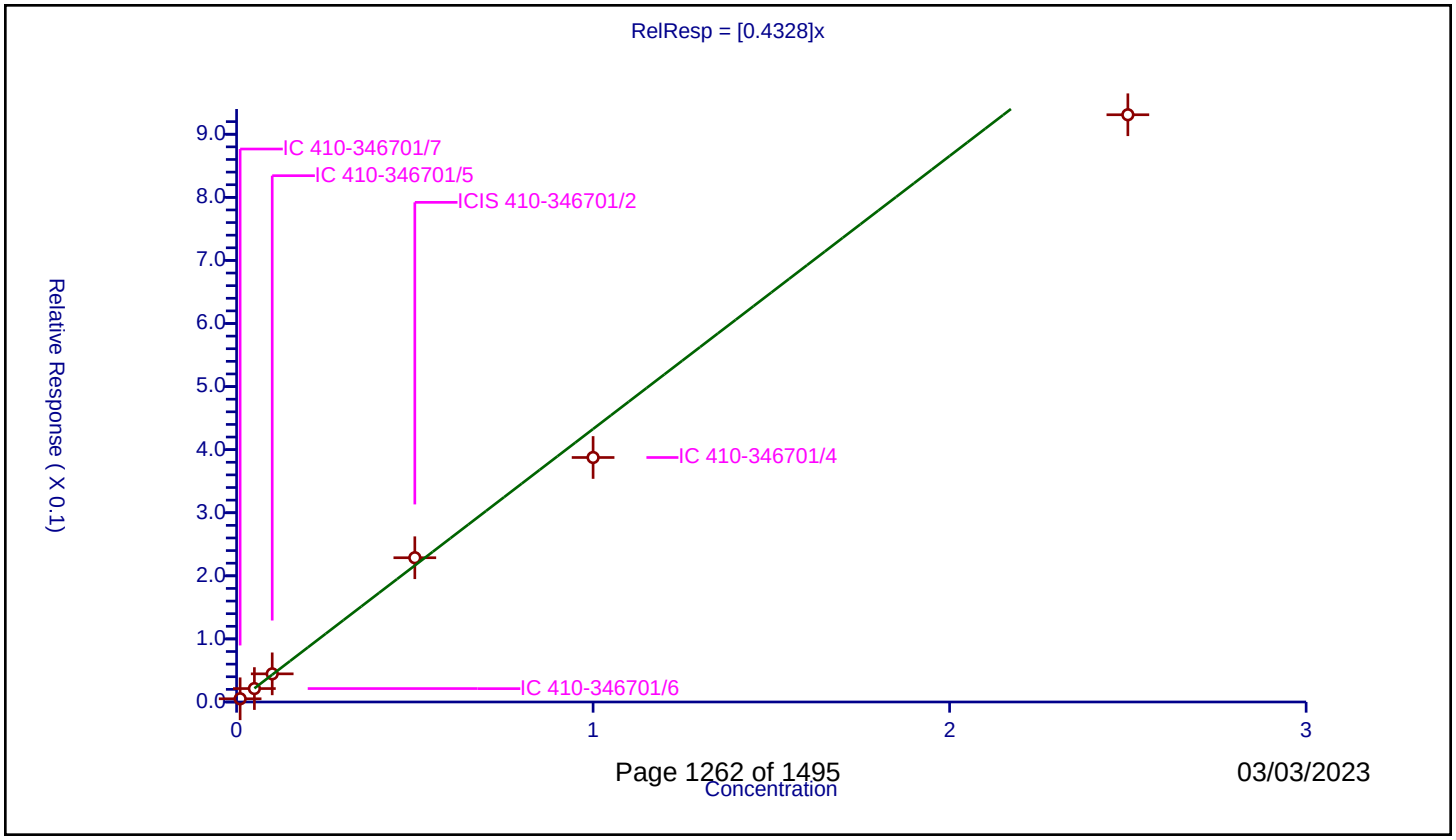
Curve Coefficients

Intercept:	0
Slope:	0.4328

Error Coefficients

Standard Error:	215000
Relative Standard Error:	11.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.005078	0.25	128401.0	0.507784	Y
2	IC 410-346701/6	0.05	0.021279	0.25	129151.0	0.425587	Y
3	IC 410-346701/5	0.1	0.044604	0.25	131266.0	0.446041	Y
4	ICIS 410-346701/2	0.5	0.228657	0.25	111170.0	0.457313	Y
5	IC 410-346701/4	1.0	0.387588	0.25	121675.0	0.387588	Y
6	IC 410-346701/3	2.5	0.930929	0.25	115305.0	0.372372	Y



Calibration / Hexachlorobenzene

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

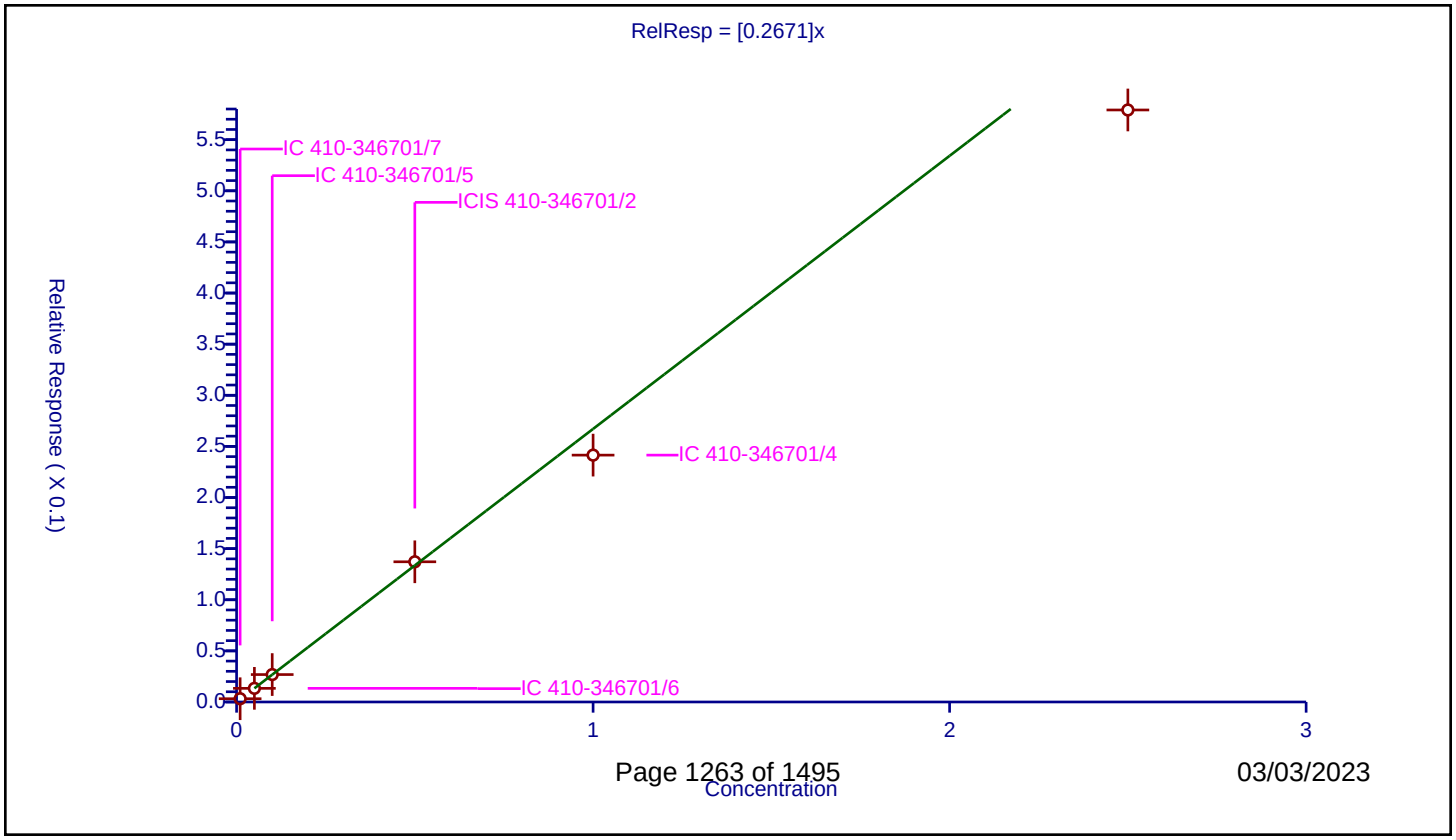
Curve Coefficients

Intercept:	0
Slope:	0.2671

Error Coefficients

Standard Error:	133000
Relative Standard Error:	11.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.003201	0.25	128401.0	0.320091	Y
2	IC 410-346701/6	0.05	0.013349	0.25	129151.0	0.266974	Y
3	IC 410-346701/5	0.1	0.026818	0.25	131266.0	0.268177	Y
4	ICIS 410-346701/2	0.5	0.13713	0.25	111170.0	0.27426	Y
5	IC 410-346701/4	1.0	0.241457	0.25	121675.0	0.241457	Y
6	IC 410-346701/3	2.5	0.579049	0.25	115305.0	0.23162	Y



Calibration / Phenanthrene

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

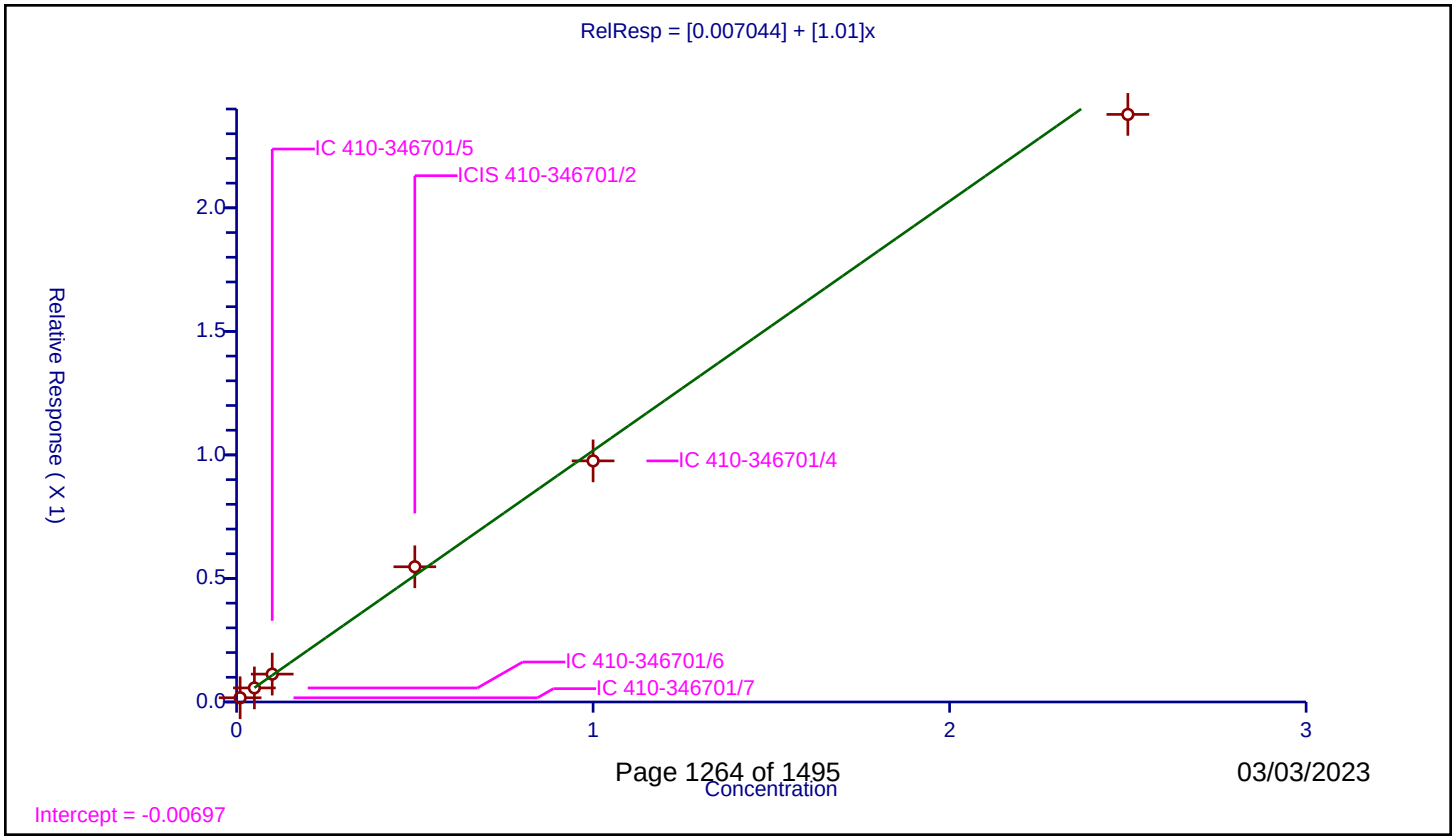
Curve Coefficients

Intercept:	0.007044
Slope:	1.01

Error Coefficients

Standard Error:	611000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.017114	0.25	128401.0	1.711435	Y
2	IC 410-346701/6	0.05	0.056943	0.25	129151.0	1.138861	Y
3	IC 410-346701/5	0.1	0.112847	0.25	131266.0	1.128472	Y
4	ICIS 410-346701/2	0.5	0.547261	0.25	111170.0	1.094522	Y
5	IC 410-346701/4	1.0	0.975903	0.25	121675.0	0.975903	Y
6	IC 410-346701/3	2.5	2.37819	0.25	115305.0	0.951276	Y



Calibration / Anthracene

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

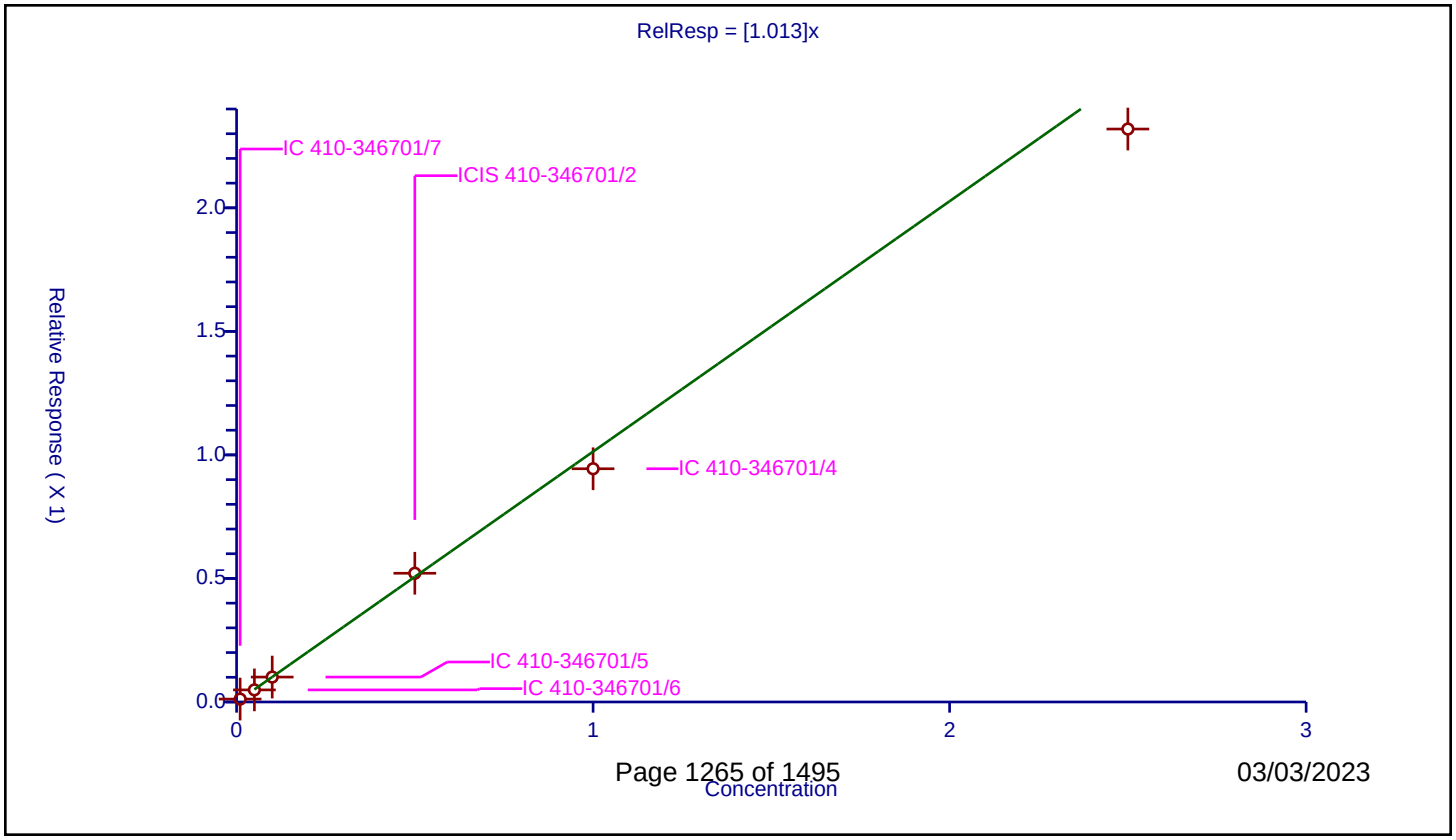
Curve Coefficients

Intercept:	0
Slope:	1.013

Error Coefficients

Standard Error:	531000
Relative Standard Error:	9.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.011781	0.25	128401.0	1.178145	Y
2	IC 410-346701/6	0.05	0.048997	0.25	129151.0	0.979938	Y
3	IC 410-346701/5	0.1	0.100873	0.25	131266.0	1.008734	Y
4	ICIS 410-346701/2	0.5	0.520986	0.25	111170.0	1.041972	Y
5	IC 410-346701/4	1.0	0.944046	0.25	121675.0	0.944046	Y
6	IC 410-346701/3	2.5	2.318987	0.25	115305.0	0.927595	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

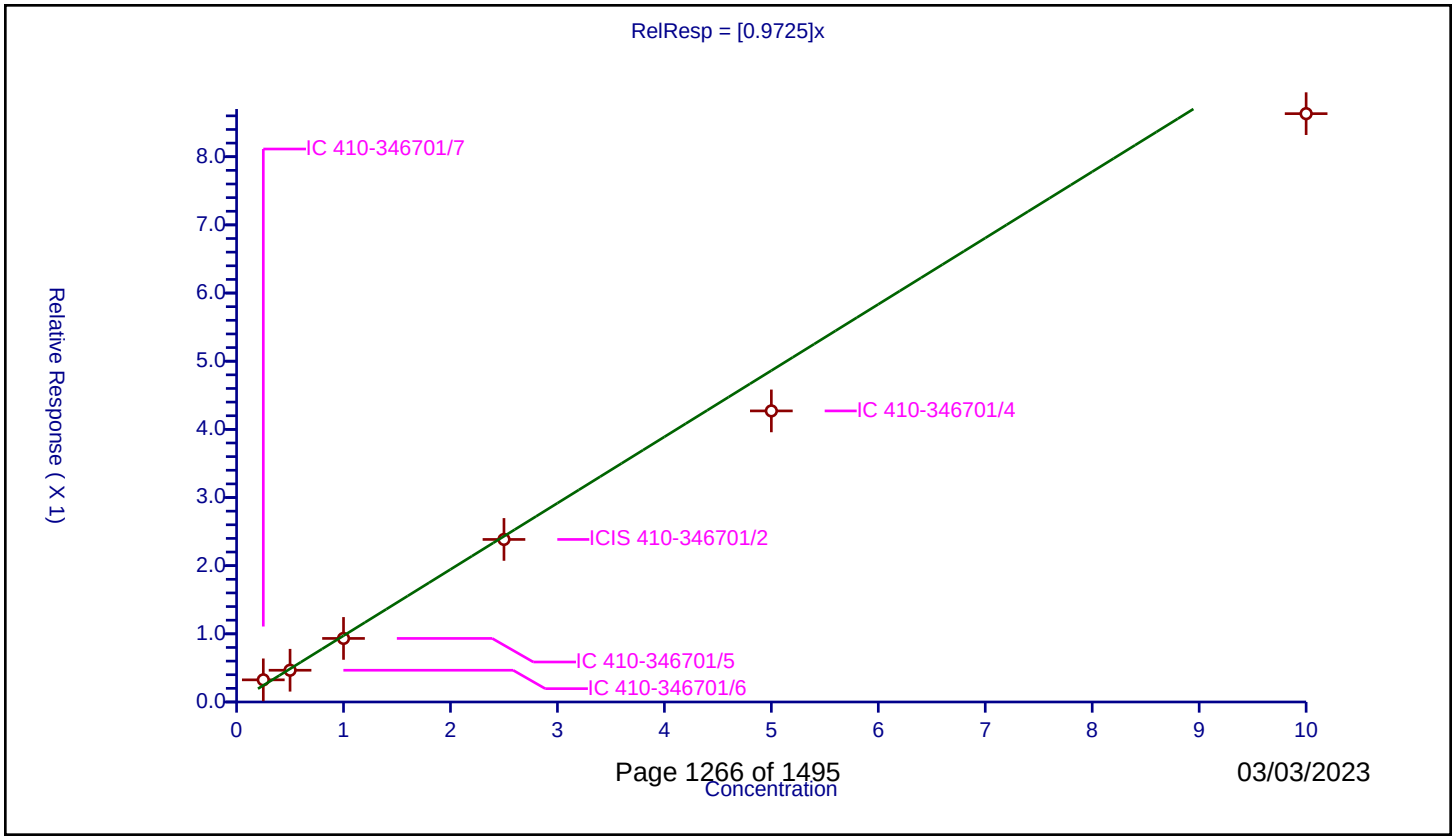
Curve Coefficients

Intercept:	0
Slope:	0.9725

Error Coefficients

Standard Error:	2080000
Relative Standard Error:	17.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.941

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.25	0.324871	0.25	128401.0	1.299484	Y
2	IC 410-346701/6	0.5	0.46579	0.25	129151.0	0.93158	Y
3	IC 410-346701/5	1.0	0.932513	0.25	131266.0	0.932513	Y
4	ICIS 410-346701/2	2.5	2.384769	0.25	111170.0	0.953908	Y
5	IC 410-346701/4	5.0	4.270505	0.25	121675.0	0.854101	Y
6	IC 410-346701/3	10.0	8.632071	0.25	115305.0	0.863207	Y



Calibration / Fluoranthene-d10 (Surr)

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

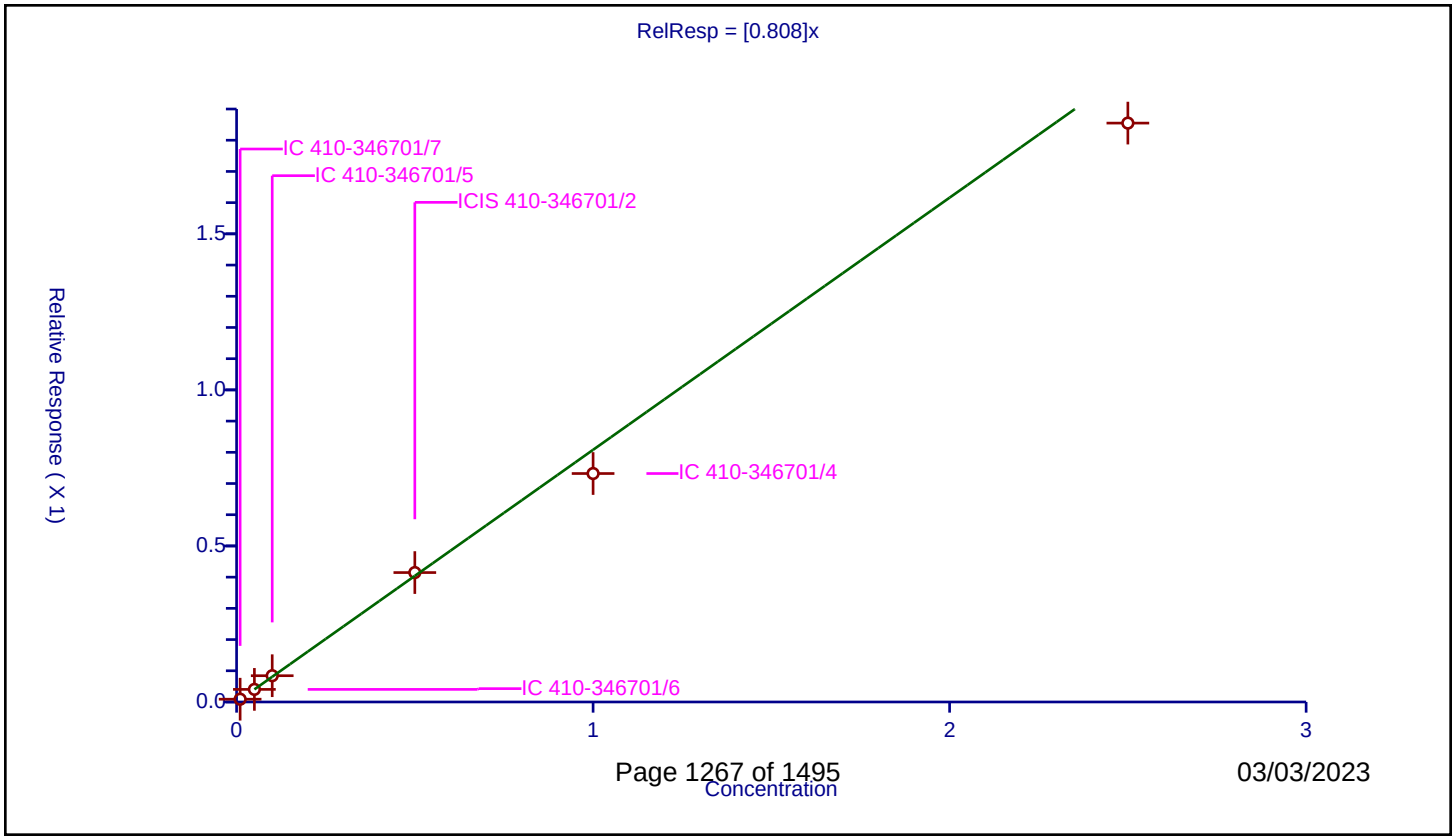
Curve Coefficients

Intercept:	0
Slope:	0.808

Error Coefficients

Standard Error:	423000
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 410-346701/7	0.01	0.008958	0.25	128401.0	0.895826	Y
2	IC 410-346701/6	0.05	0.04034	0.25	129151.0	0.806808	Y
3	IC 410-346701/5	0.1	0.084178	0.25	131266.0	0.841783	Y
4	ICIS 410-346701/2	0.5	0.414716	0.25	111170.0	0.829432	Y
5	IC 410-346701/4	1.0	0.732022	0.25	121675.0	0.732022	Y
6	IC 410-346701/3	2.5	1.854887	0.25	115305.0	0.741955	Y



Calibration / Fluoranthene

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

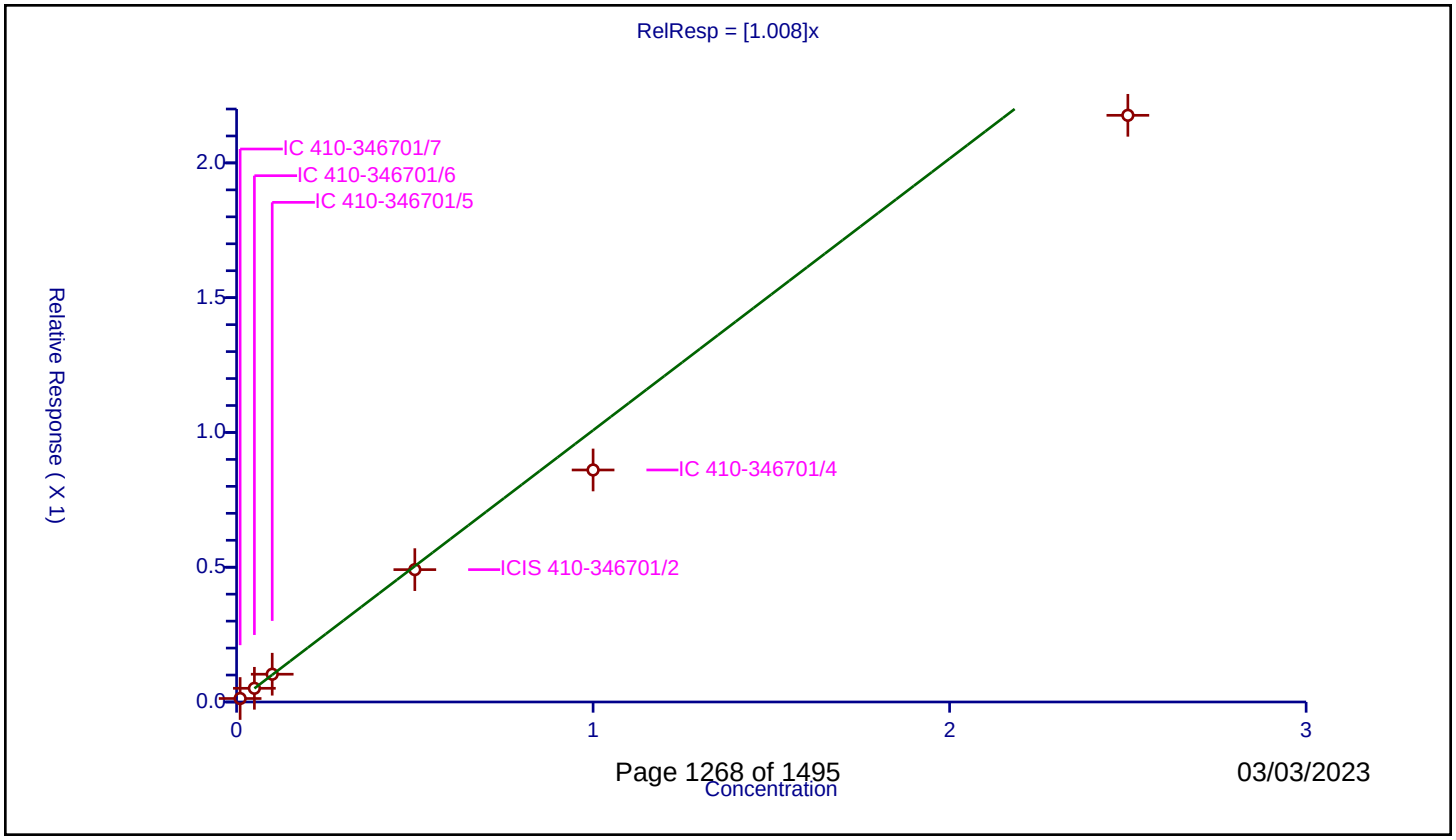
Curve Coefficients

Intercept:	0
Slope:	1.008

Error Coefficients

Standard Error:	497000
Relative Standard Error:	15.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.012882	0.25	128401.0	1.288152	Y
2	IC 410-346701/6	0.05	0.050797	0.25	129151.0	1.015943	Y
3	IC 410-346701/5	0.1	0.10306	0.25	131266.0	1.030598	Y
4	ICIS 410-346701/2	0.5	0.49103	0.25	111170.0	0.982059	Y
5	IC 410-346701/4	1.0	0.860783	0.25	121675.0	0.860783	Y
6	IC 410-346701/3	2.5	2.176671	0.25	115305.0	0.870668	Y



Calibration / Pyrene

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

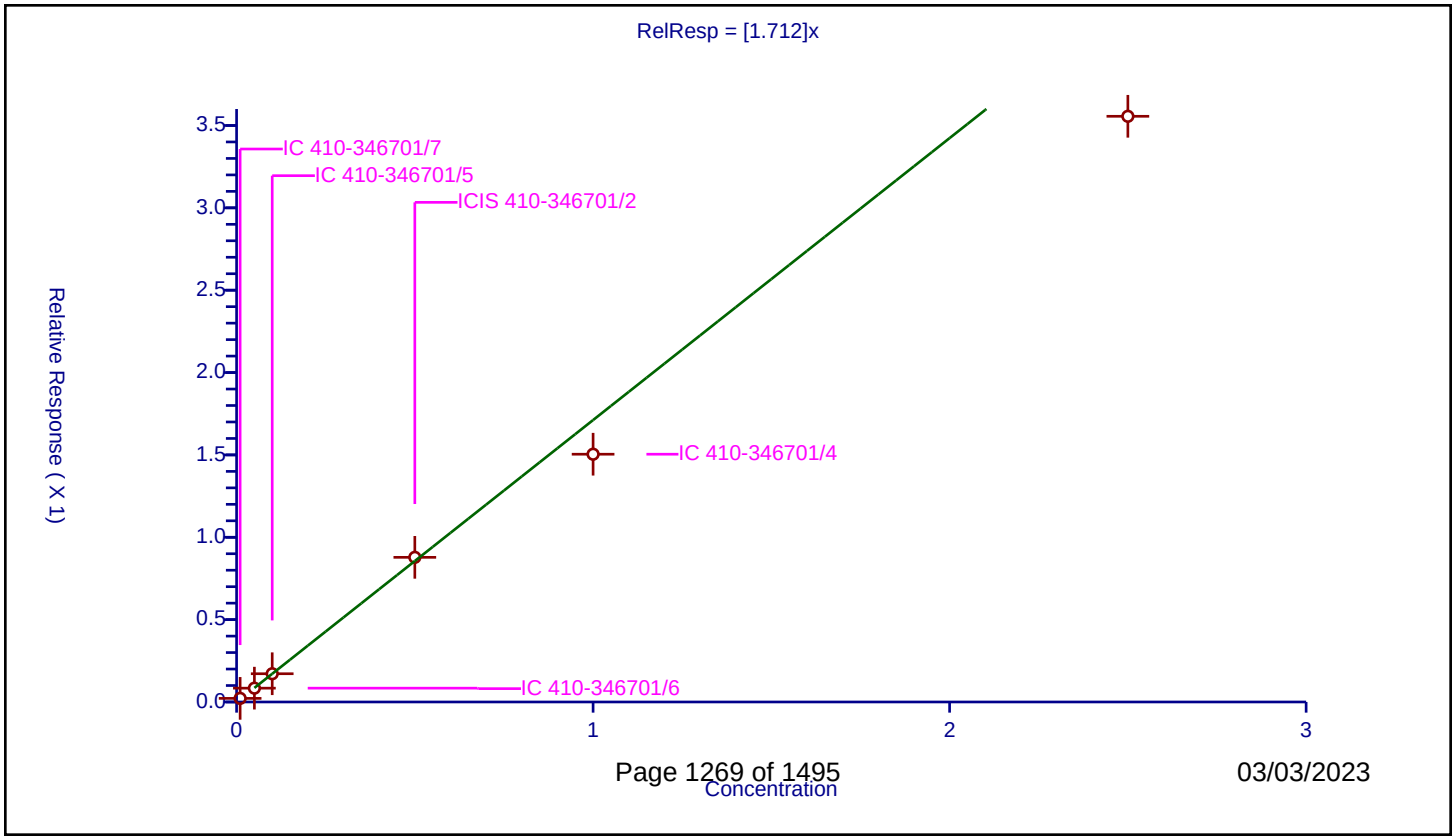
Curve Coefficients

Intercept:	0
Slope:	1.712

Error Coefficients

Standard Error:	537000
Relative Standard Error:	15.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.021946	0.25	74605.0	2.194558	Y
2	IC 410-346701/6	0.05	0.083871	0.25	78928.0	1.677415	Y
3	IC 410-346701/5	0.1	0.171491	0.25	82226.0	1.714908	Y
4	ICIS 410-346701/2	0.5	0.878199	0.25	65447.0	1.756398	Y
5	IC 410-346701/4	1.0	1.504304	0.25	74645.0	1.504304	Y
6	IC 410-346701/3	2.5	3.555864	0.25	76404.0	1.422346	Y



Calibration / Butyl benzyl phthalate

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

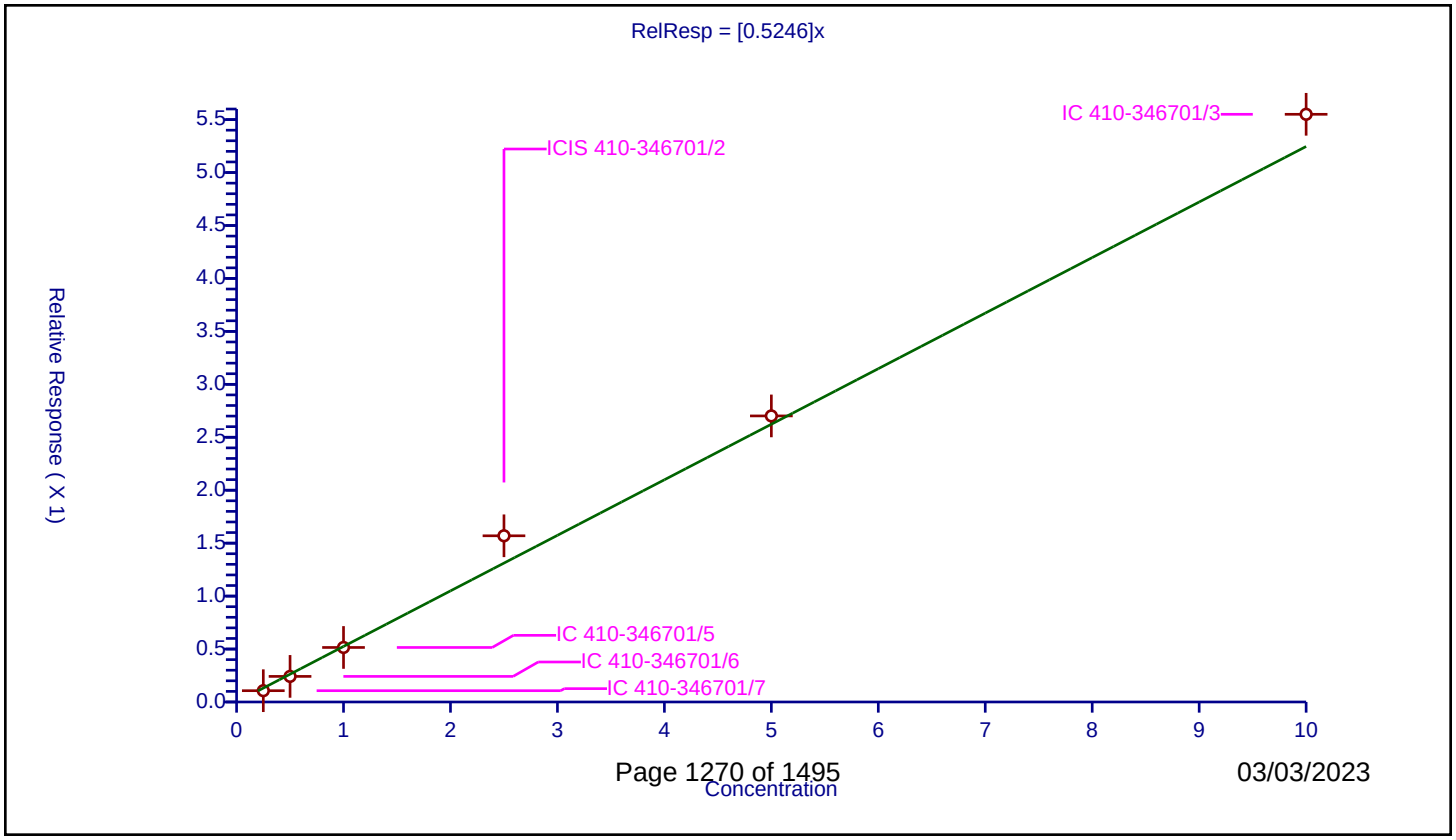
Curve Coefficients

Intercept:	0
Slope:	0.5246

Error Coefficients

Standard Error:	864000
Relative Standard Error:	13.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.25	0.106601	0.25	74605.0	0.426406	Y
2	IC 410-346701/6	0.5	0.241647	0.25	78928.0	0.483295	Y
3	IC 410-346701/5	1.0	0.514825	0.25	82226.0	0.514825	Y
4	ICIS 410-346701/2	2.5	1.569629	0.25	65447.0	0.627852	Y
5	IC 410-346701/4	5.0	2.701628	0.25	74645.0	0.540326	Y
6	IC 410-346701/3	10.0	5.550151	0.25	76404.0	0.555015	Y



Calibration / Benzo[a]anthracene

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

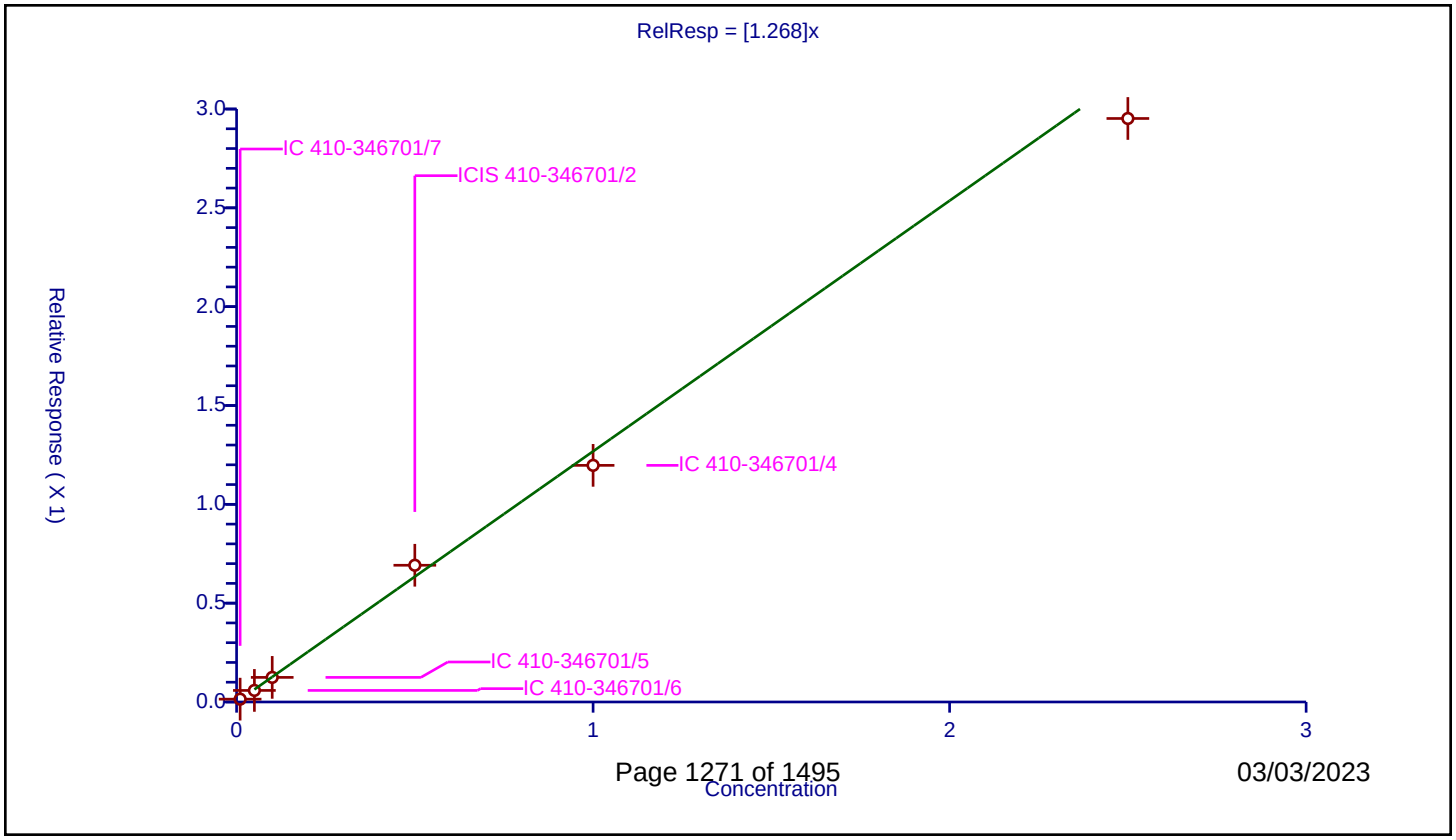
Curve Coefficients

Intercept:	0
Slope:	1.268

Error Coefficients

Standard Error:	442000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.014332	0.25	74605.0	1.433215	Y
2	IC 410-346701/6	0.05	0.05849	0.25	78928.0	1.1698	Y
3	IC 410-346701/5	0.1	0.124407	0.25	82226.0	1.244071	Y
4	ICIS 410-346701/2	0.5	0.69172	0.25	65447.0	1.38344	Y
5	IC 410-346701/4	1.0	1.197187	0.25	74645.0	1.197187	Y
6	IC 410-346701/3	2.5	2.952061	0.25	76404.0	1.180824	Y



Calibration / Chrysene

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

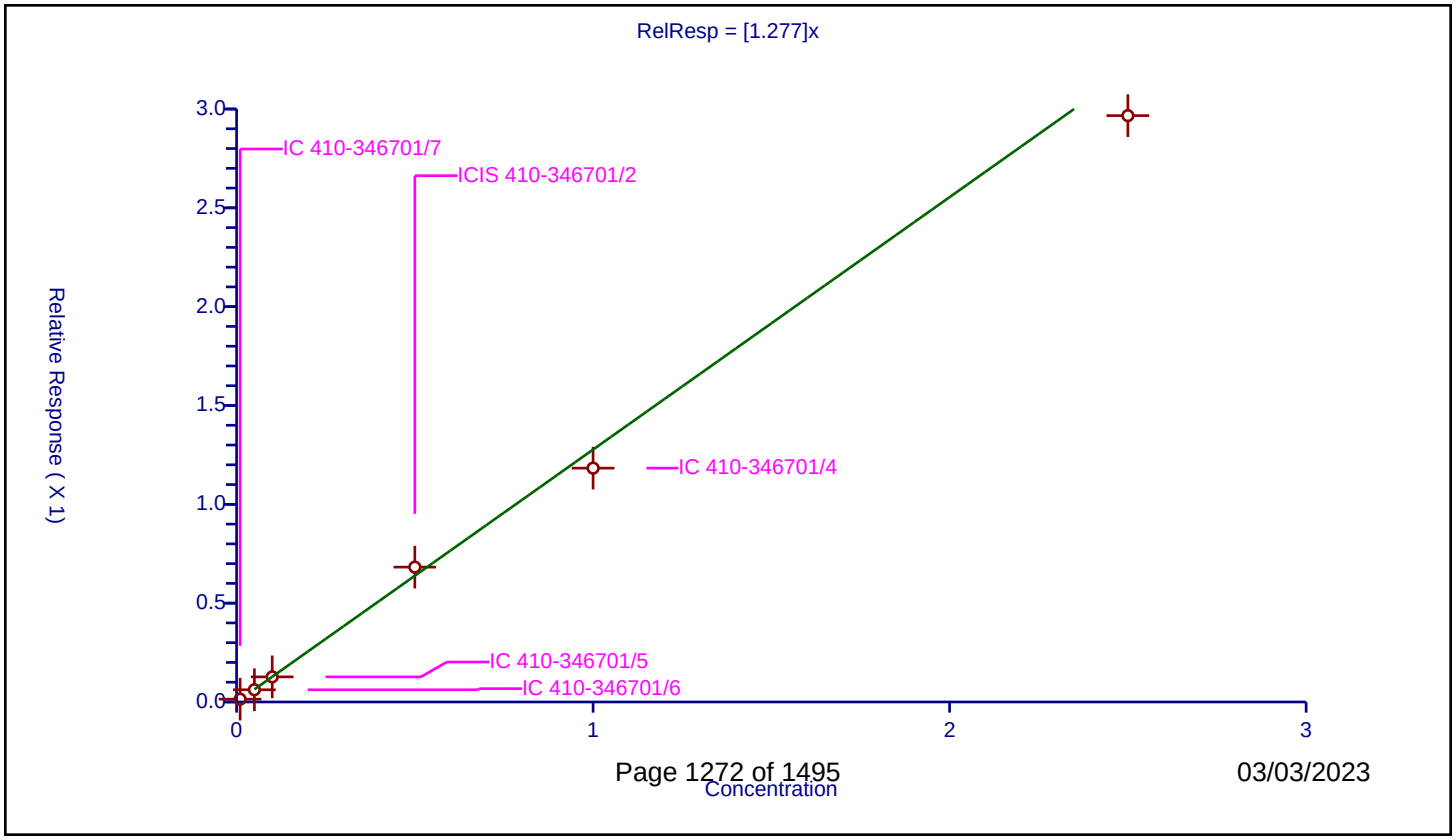
Curve Coefficients

Intercept:	0
Slope:	1.277

Error Coefficients

Standard Error:	443000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.014201	0.25	74605.0	1.420146	Y
2	IC 410-346701/6	0.05	0.061901	0.25	78928.0	1.238027	Y
3	IC 410-346701/5	0.1	0.126988	0.25	82226.0	1.269884	Y
4	ICIS 410-346701/2	0.5	0.682354	0.25	65447.0	1.364707	Y
5	IC 410-346701/4	1.0	1.183056	0.25	74645.0	1.183056	Y
6	IC 410-346701/3	2.5	2.96652	0.25	76404.0	1.186608	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

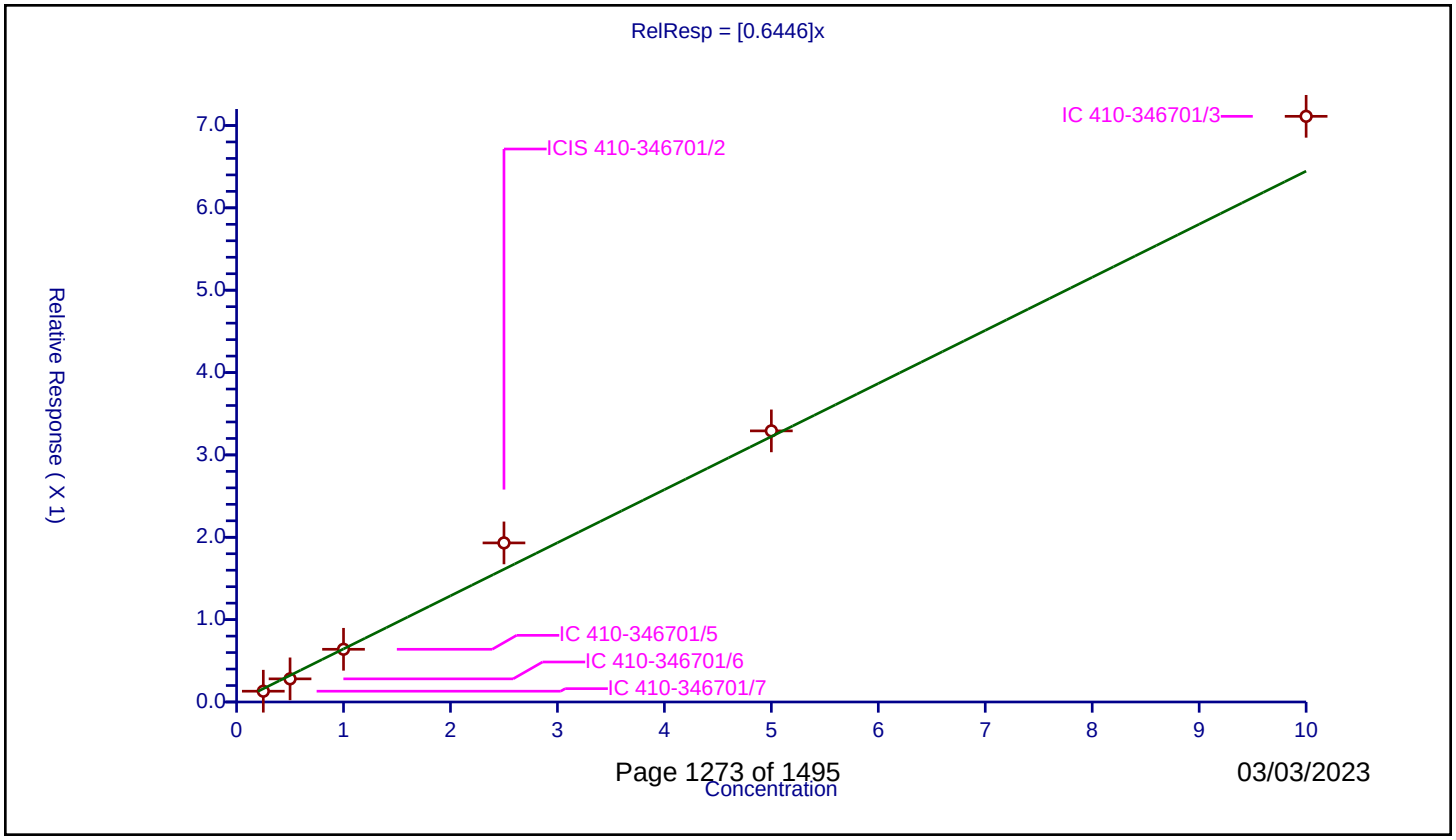
Curve Coefficients

Intercept:	0
Slope:	0.6446

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	14.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.25	0.130909	0.25	74605.0	0.523638	Y
2	IC 410-346701/6	0.5	0.28087	0.25	78928.0	0.56174	Y
3	IC 410-346701/5	1.0	0.639861	0.25	82226.0	0.639861	Y
4	ICIS 410-346701/2	2.5	1.931551	0.25	65447.0	0.772621	Y
5	IC 410-346701/4	5.0	3.291965	0.25	74645.0	0.658393	Y
6	IC 410-346701/3	10.0	7.111369	0.25	76404.0	0.711137	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

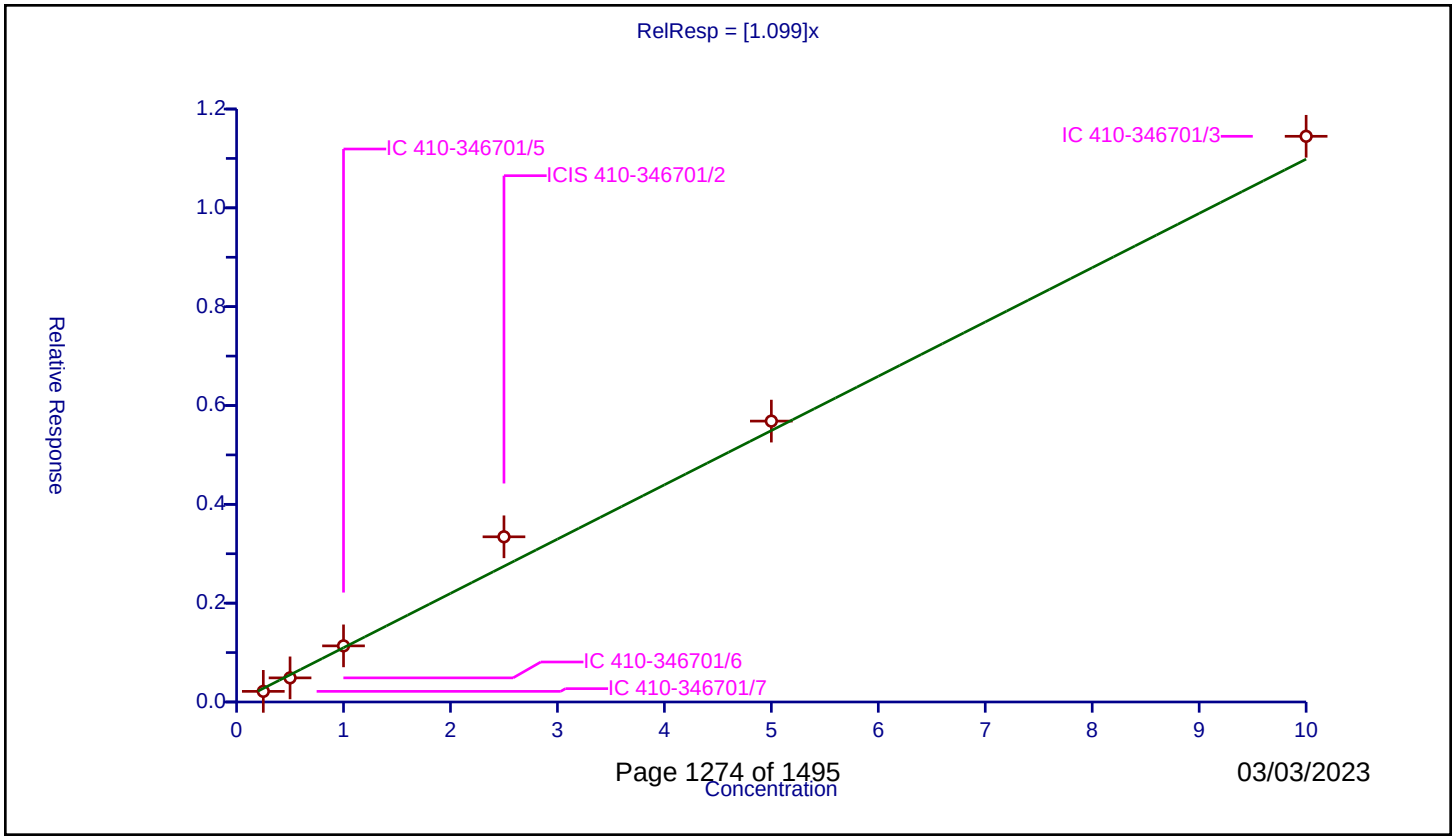
Curve Coefficients

Intercept:	0
Slope:	1.099

Error Coefficients

Standard Error:	1810000
Relative Standard Error:	14.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.25	0.215227	0.25	62765.0	0.86091	Y
2	IC 410-346701/6	0.5	0.488341	0.25	66751.0	0.976682	Y
3	IC 410-346701/5	1.0	1.135443	0.25	69673.0	1.135443	Y
4	ICIS 410-346701/2	2.5	3.342637	0.25	61452.0	1.337055	Y
5	IC 410-346701/4	5.0	5.684169	0.25	69906.0	1.136834	Y
6	IC 410-346701/3	10.0	11.447692	0.25	78779.0	1.144769	Y



Calibration / Benzo[b]fluoranthene

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

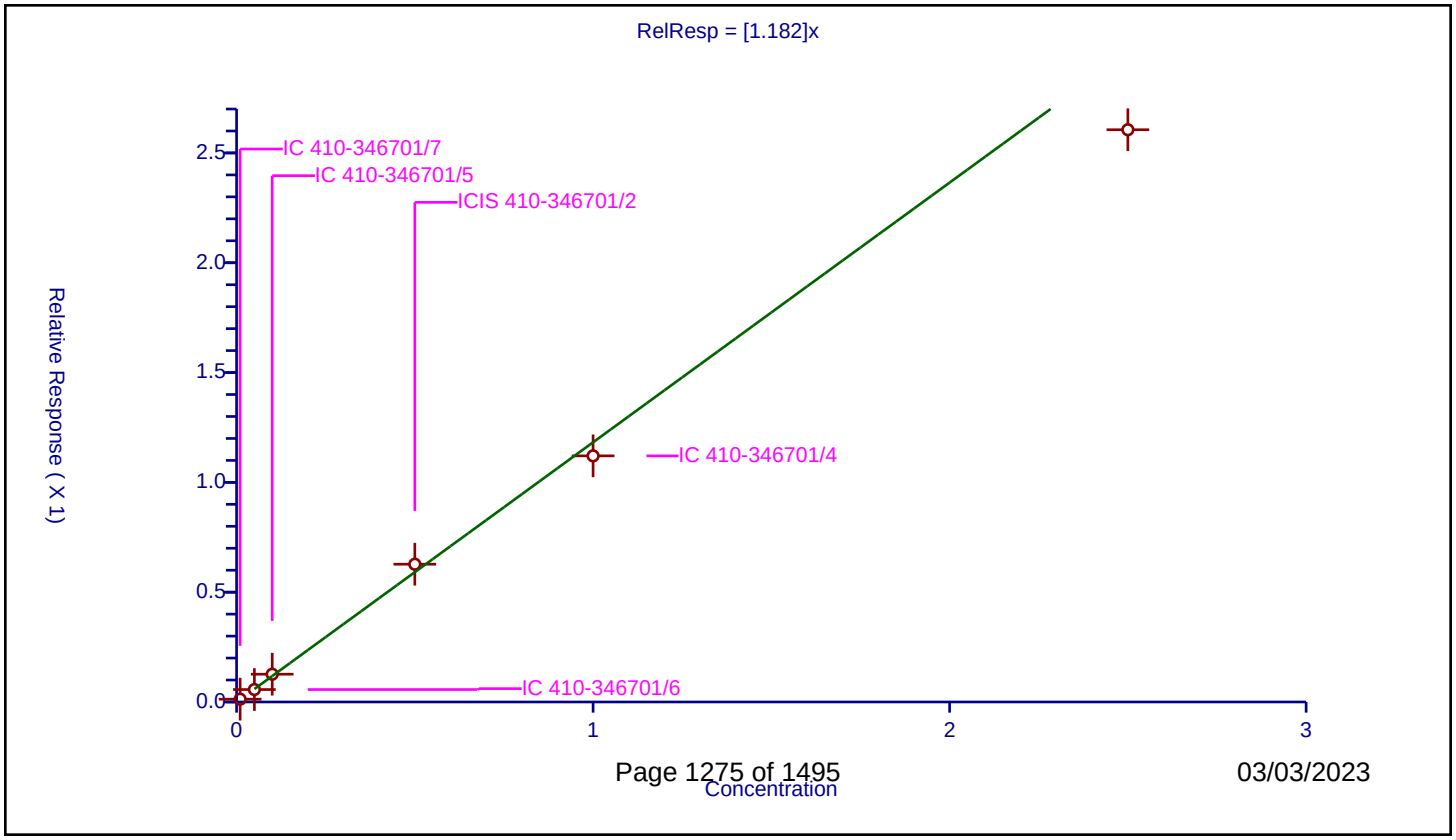
Curve Coefficients

Intercept:	0
Slope:	1.182

Error Coefficients

Standard Error:	399000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.01279	0.25	62765.0	1.278977	Y
2	IC 410-346701/6	0.05	0.056685	0.25	66751.0	1.133691	Y
3	IC 410-346701/5	0.1	0.126459	0.25	69673.0	1.264586	Y
4	ICIS 410-346701/2	0.5	0.627266	0.25	61452.0	1.254532	Y
5	IC 410-346701/4	1.0	1.120641	0.25	69906.0	1.120641	Y
6	IC 410-346701/3	2.5	2.605698	0.25	78779.0	1.042279	Y



Calibration / Benzo[k]fluoranthene

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

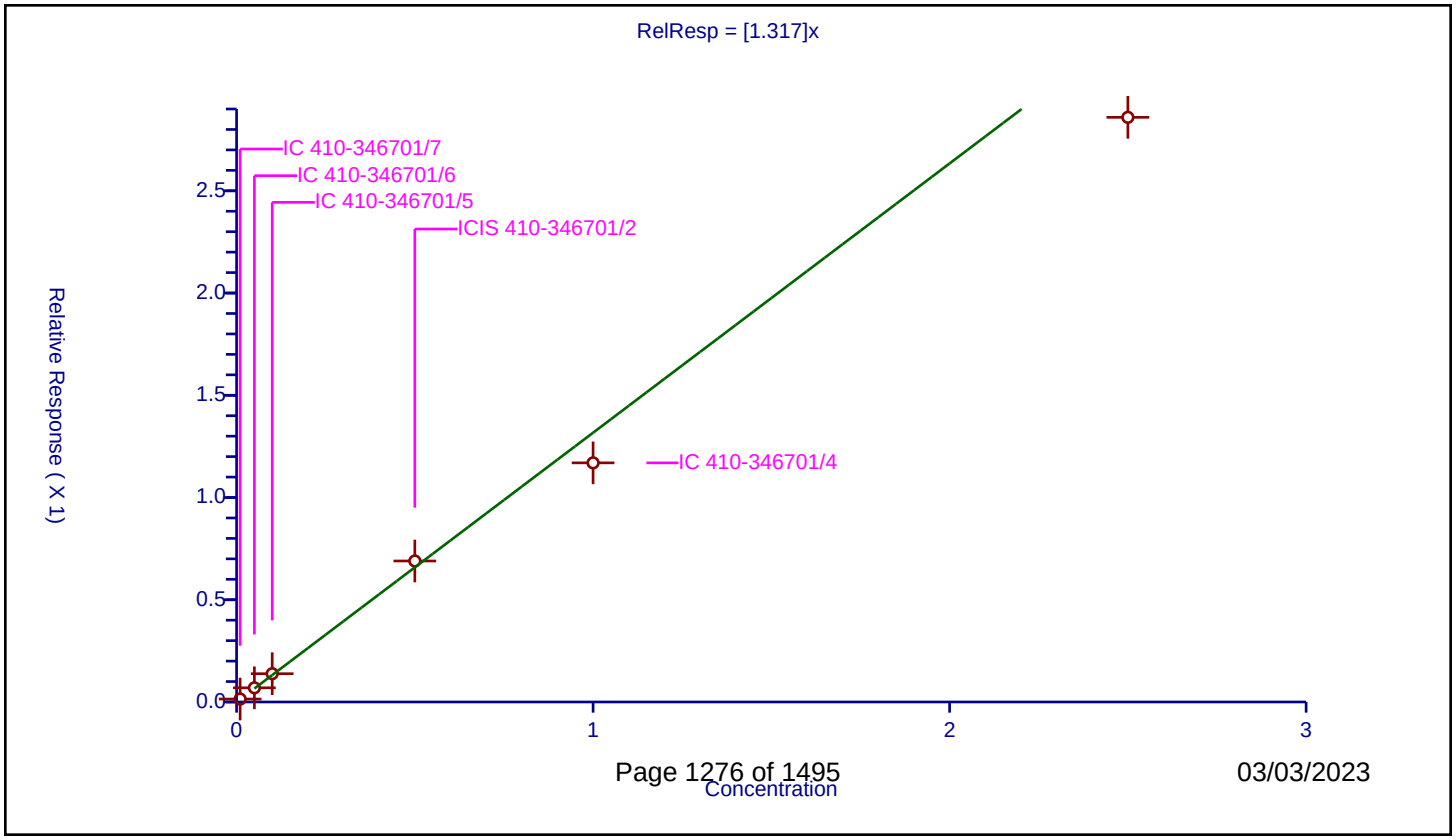
Curve Coefficients

Intercept:	0
Slope:	1.317

Error Coefficients

Standard Error:	436000
Relative Standard Error:	9.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.014391	0.25	62765.0	1.439098	Y
2	IC 410-346701/6	0.05	0.069321	0.25	66751.0	1.386421	Y
3	IC 410-346701/5	0.1	0.138357	0.25	69673.0	1.38357	Y
4	ICIS 410-346701/2	0.5	0.689575	0.25	61452.0	1.37915	Y
5	IC 410-346701/4	1.0	1.16947	0.25	69906.0	1.16947	Y
6	IC 410-346701/3	2.5	2.859274	0.25	78779.0	1.14371	Y



Calibration / Benzo[e]pyrene

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

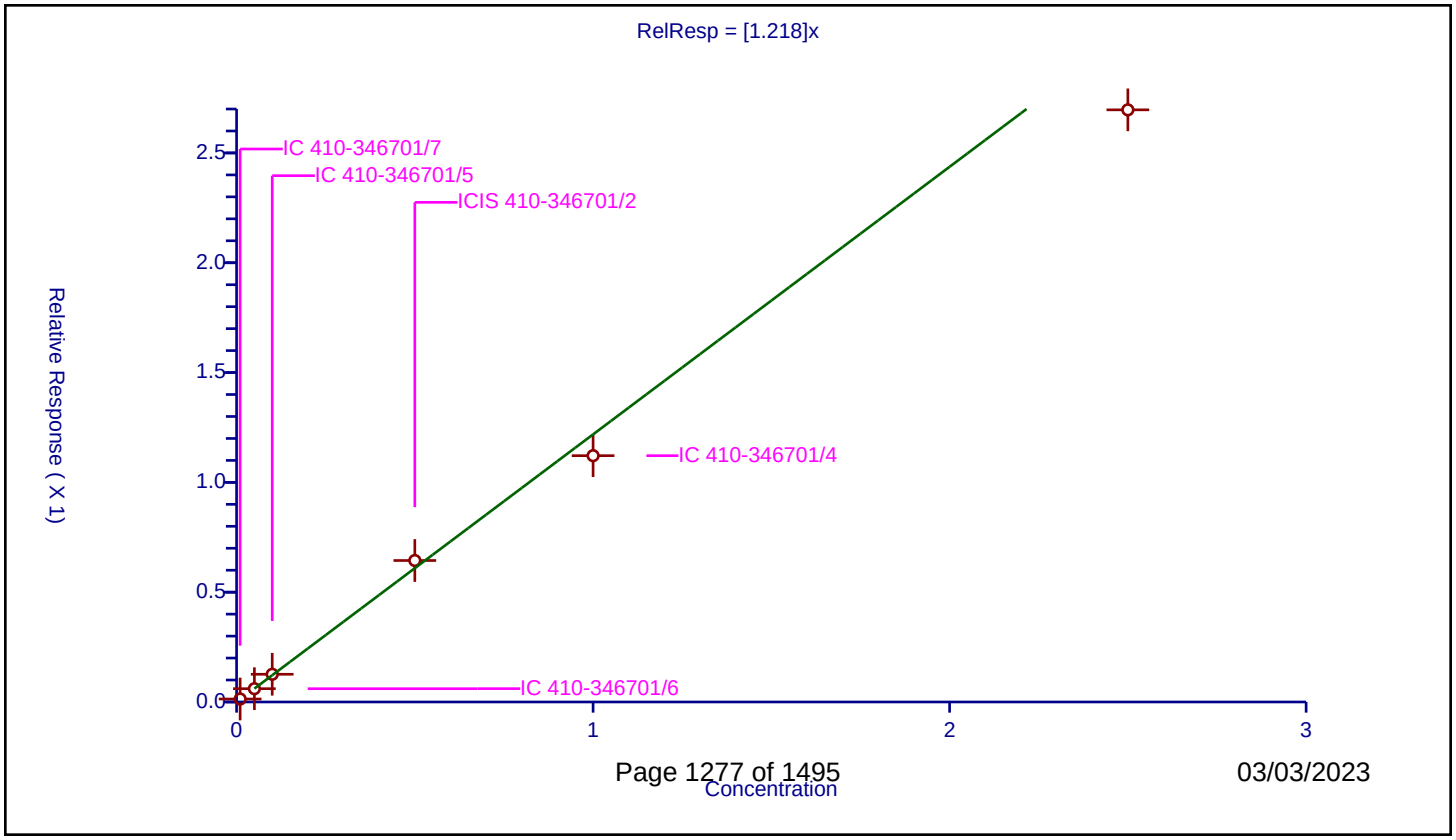
Curve Coefficients

Intercept:	0
Slope:	1.218

Error Coefficients

Standard Error:	412000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.013499	0.25	62765.0	1.349877	Y
2	IC 410-346701/6	0.05	0.060542	0.25	66751.0	1.210843	Y
3	IC 410-346701/5	0.1	0.126161	0.25	69673.0	1.261608	Y
4	ICIS 410-346701/2	0.5	0.64423	0.25	61452.0	1.288461	Y
5	IC 410-346701/4	1.0	1.121499	0.25	69906.0	1.121499	Y
6	IC 410-346701/3	2.5	2.696232	0.25	78779.0	1.078493	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

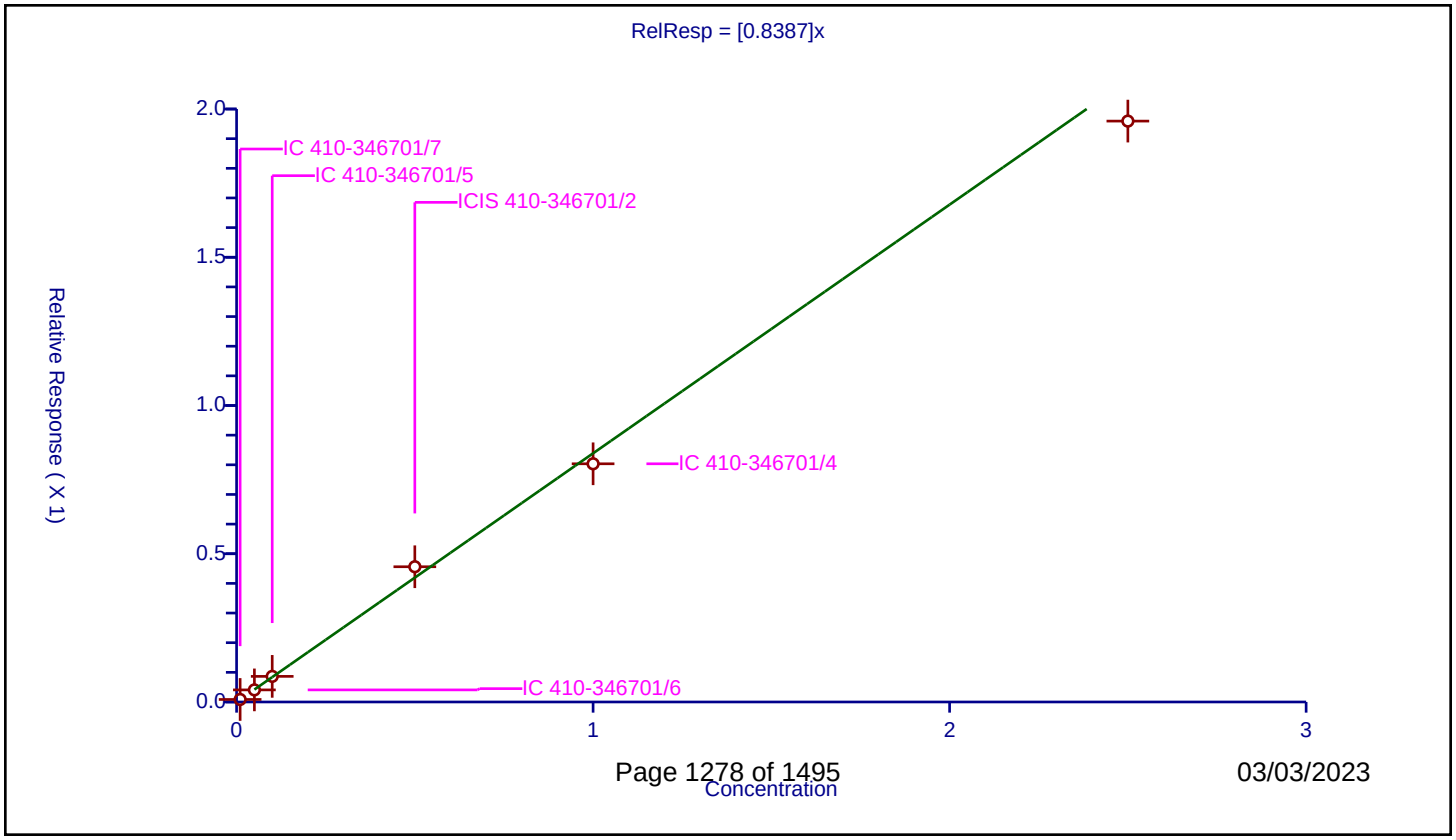
Curve Coefficients

Intercept:	0
Slope:	0.8387

Error Coefficients

Standard Error:	298000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.008536	0.25	62765.0	0.853581	Y
2	IC 410-346701/6	0.05	0.040775	0.25	66751.0	0.815493	Y
3	IC 410-346701/5	0.1	0.086396	0.25	69673.0	0.863965	Y
4	ICIS 410-346701/2	0.5	0.456124	0.25	61452.0	0.912249	Y
5	IC 410-346701/4	1.0	0.803443	0.25	69906.0	0.803443	Y
6	IC 410-346701/3	2.5	1.959237	0.25	78779.0	0.783695	Y



Calibration / Benzo[a]pyrene

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

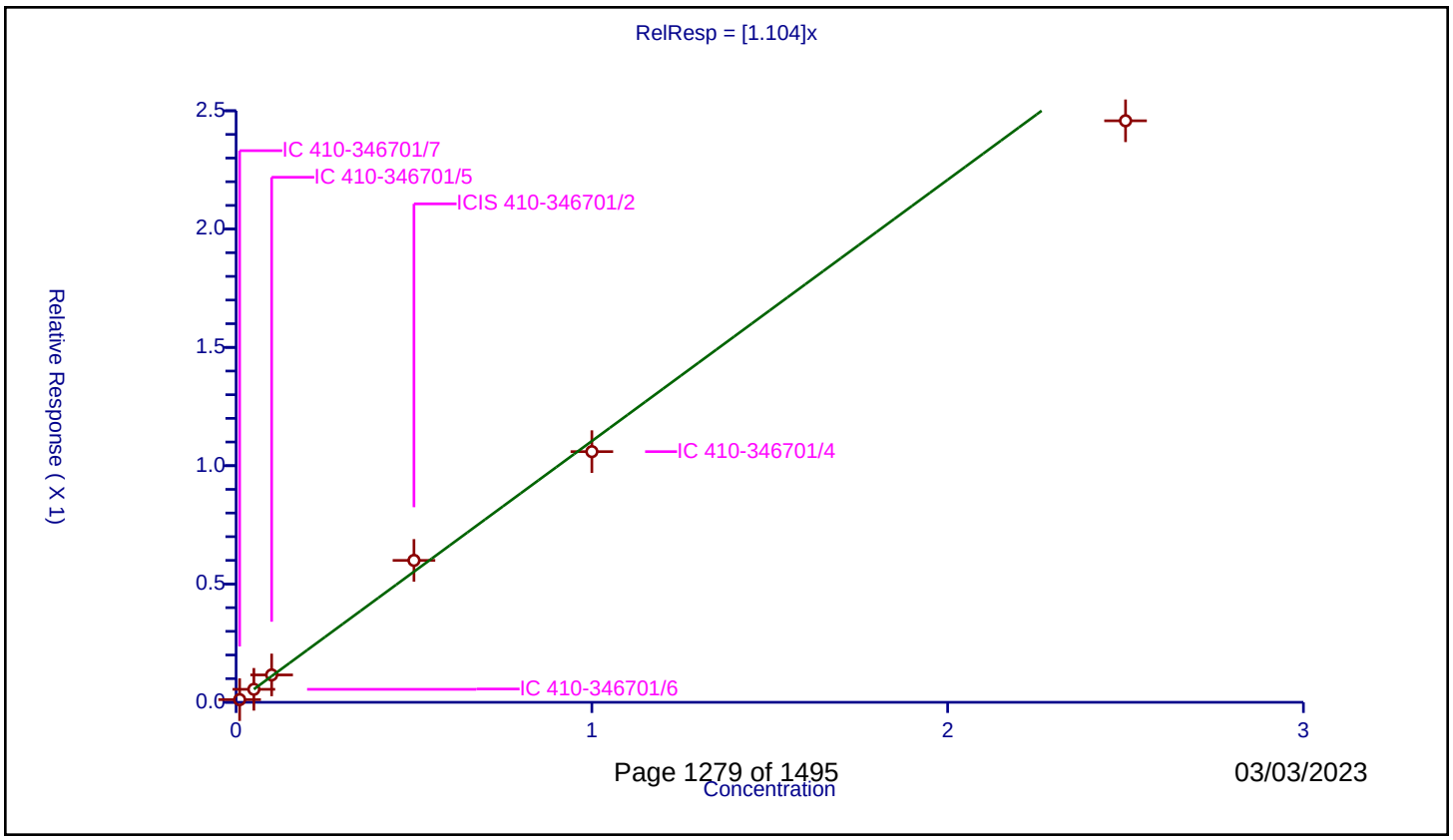
Curve Coefficients

Intercept:	0
Slope:	1.104

Error Coefficients

Standard Error:	377000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.01126	0.25	62765.0	1.126026	Y
2	IC 410-346701/6	0.05	0.054947	0.25	66751.0	1.098935	Y
3	IC 410-346701/5	0.1	0.115794	0.25	69673.0	1.157945	Y
4	ICIS 410-346701/2	0.5	0.599732	0.25	61452.0	1.199465	Y
5	IC 410-346701/4	1.0	1.059433	0.25	69906.0	1.059433	Y
6	IC 410-346701/3	2.5	2.457584	0.25	78779.0	0.983034	Y



Calibration / Perylene

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

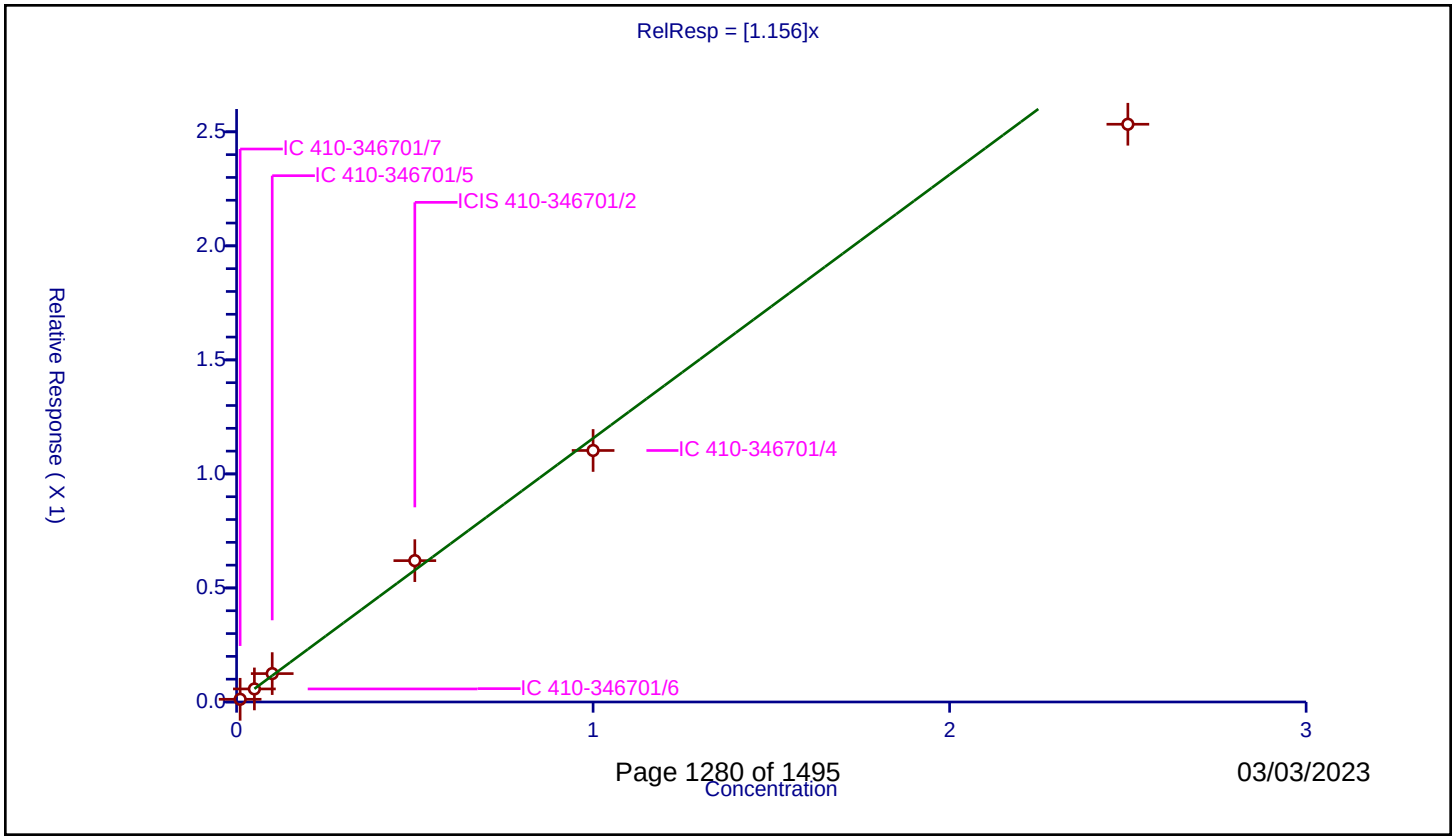
Curve Coefficients

Intercept:	0
Slope:	1.156

Error Coefficients

Standard Error:	389000
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 410-346701/7	0.01	0.01191	0.25	62765.0	1.19095	Y
2	IC 410-346701/6	0.05	0.057254	0.25	66751.0	1.145076	Y
3	IC 410-346701/5	0.1	0.124521	0.25	69673.0	1.24521	Y
4	ICIS 410-346701/2	0.5	0.619809	0.25	61452.0	1.239618	Y
5	IC 410-346701/4	1.0	1.102795	0.25	69906.0	1.102795	Y
6	IC 410-346701/3	2.5	2.533242	0.25	78779.0	1.013297	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

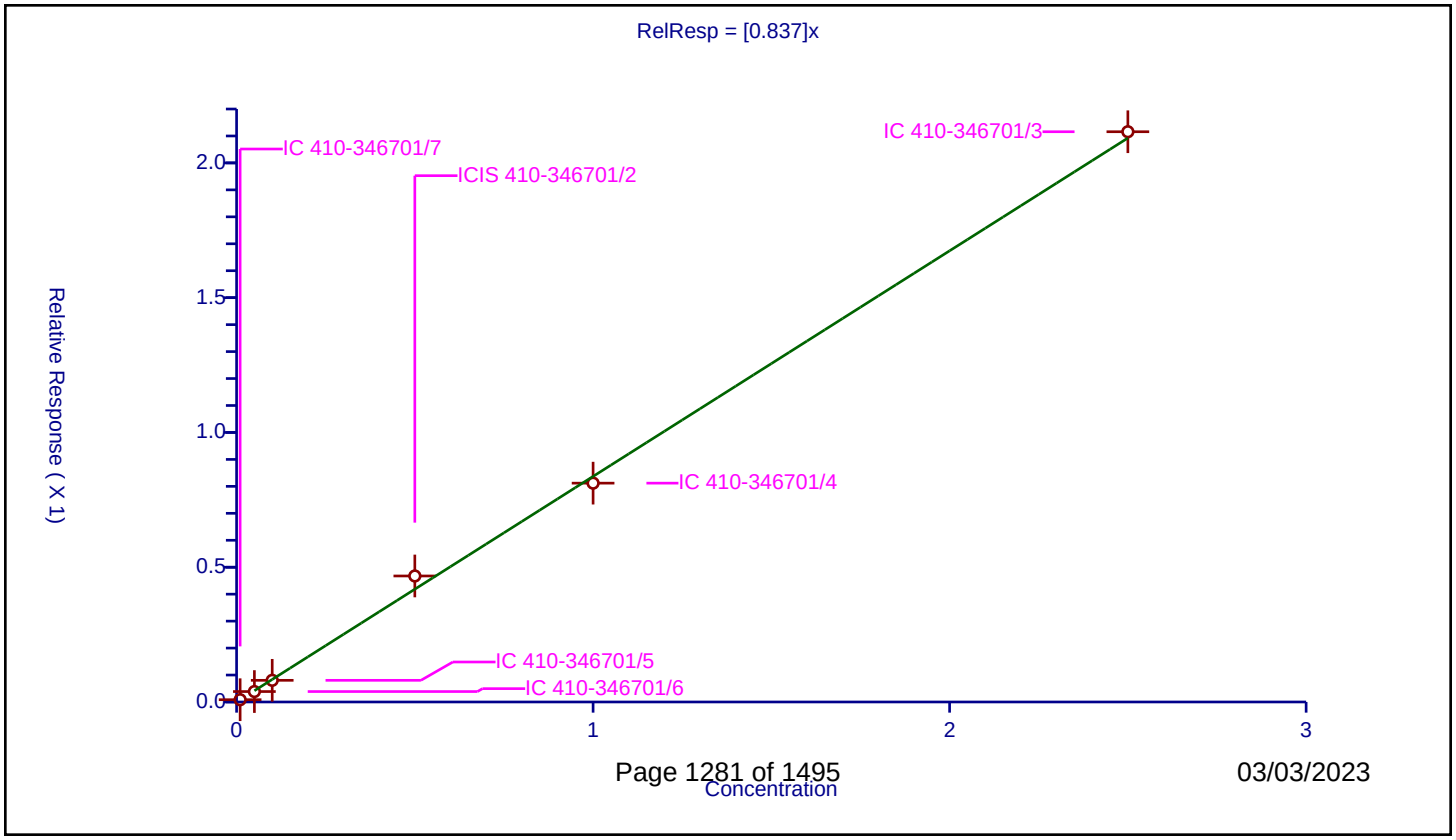
Curve Coefficients

Intercept:	0
Slope:	0.837

Error Coefficients

Standard Error:	319000
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 410-346701/7	0.01	0.008488	0.25	62765.0	0.848801	Y
2	IC 410-346701/6	0.05	0.038775	0.25	66751.0	0.775494	Y
3	IC 410-346701/5	0.1	0.080411	0.25	69673.0	0.804114	Y
4	ICIS 410-346701/2	0.5	0.467523	0.25	61452.0	0.935047	Y
5	IC 410-346701/4	1.0	0.811962	0.25	69906.0	0.811962	Y
6	IC 410-346701/3	2.5	2.115754	0.25	78779.0	0.846302	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

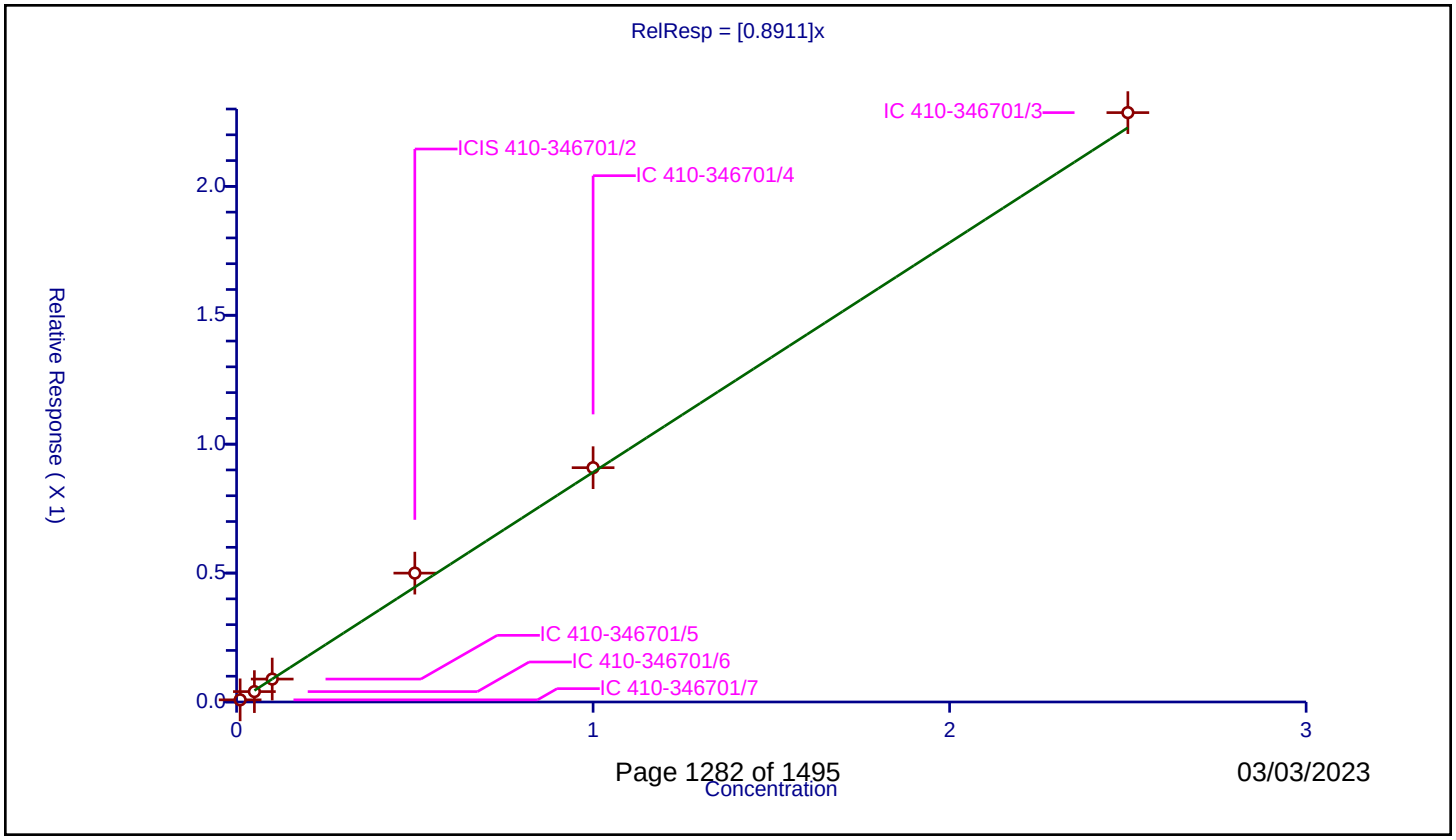
Curve Coefficients

Intercept:	0
Slope:	0.8911

Error Coefficients

Standard Error:	346000
Relative Standard Error:	7.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-346701/7	0.01	0.008285	0.25	62765.0	0.828487	Y
2	IC 410-346701/6	0.05	0.040273	0.25	66751.0	0.805456	Y
3	IC 410-346701/5	0.1	0.08894	0.25	69673.0	0.889405	Y
4	ICIS 410-346701/2	0.5	0.49989	0.25	61452.0	0.99978	Y
5	IC 410-346701/4	1.0	0.90886	0.25	69906.0	0.90886	Y
6	IC 410-346701/3	2.5	2.286034	0.25	78779.0	0.914414	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

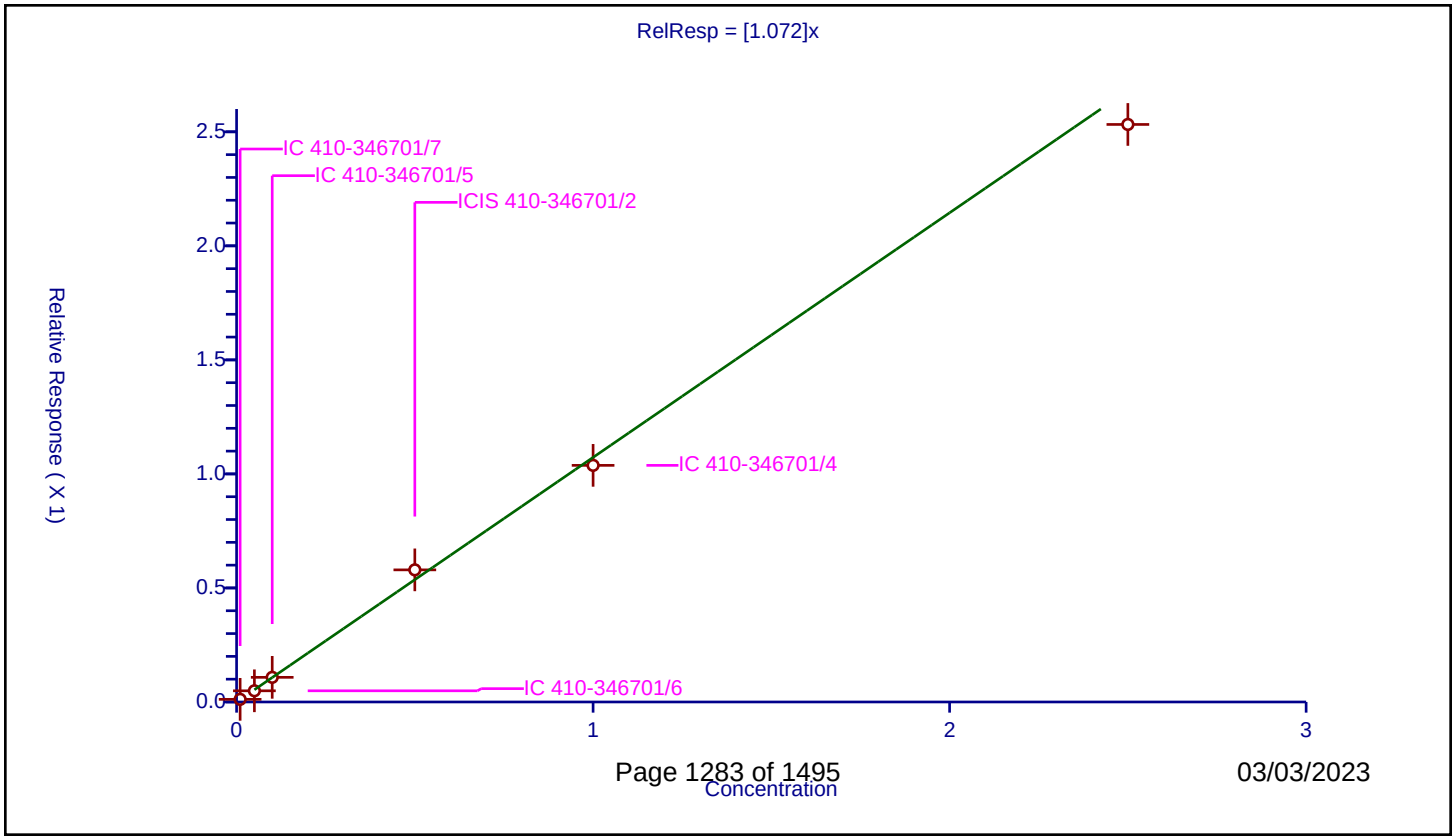
Curve Coefficients

Intercept:	0
Slope:	1.072

Error Coefficients

Standard Error:	385000
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 410-346701/7	0.01	0.011635	0.25	62765.0	1.163467	Y
2	IC 410-346701/6	0.05	0.049085	0.25	66751.0	0.981708	Y
3	IC 410-346701/5	0.1	0.108066	0.25	69673.0	1.080655	Y
4	ICIS 410-346701/2	0.5	0.57931	0.25	61452.0	1.15862	Y
5	IC 410-346701/4	1.0	1.037565	0.25	69906.0	1.037565	Y
6	IC 410-346701/3	2.5	2.532315	0.25	78779.0	1.012926	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories En Job No.: 410-115936-1

SDG No.:

Lab Sample ID (1): ICIS 410-338781/2 Instrument ID (1): HP21585

GC Column (1): DB-5MS 30m 0.2 ID: 0.25(mm) Date Analyzed (1): 01/26/2023 07:56

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.86	20.90

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0401a.D				
Injection Date:	26-Jan-2023 07:56:03	Instrument ID:	HP21585		
Lims ID:	ICIS L4				
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		

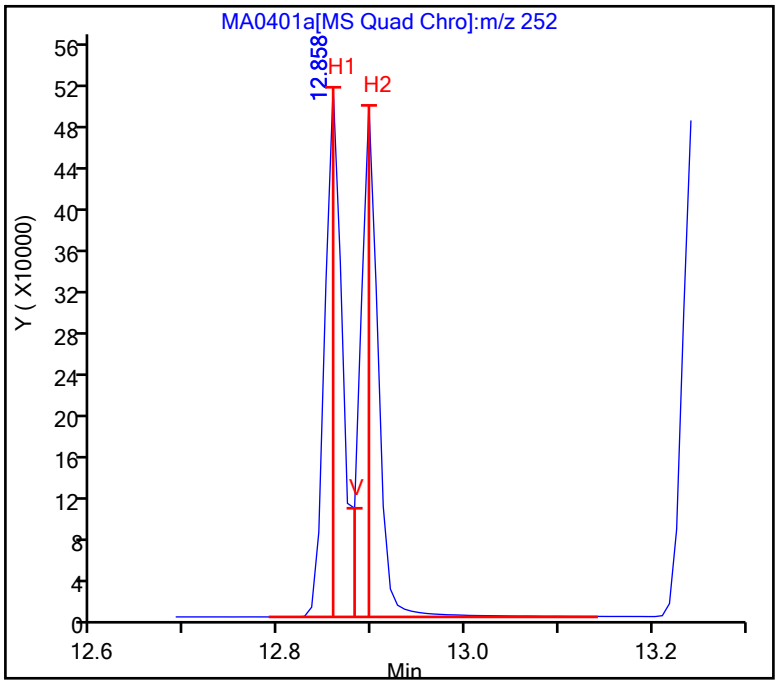
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 104935
H1(33 Benzo[b]fluoranthen) = 511301
H2(34 Benzo[k]fluoranthen) = 493820

Version D: %R = 20.9 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories En Job No.: 410-115936-1

SDG No.:

Lab Sample ID (1): ICIS 410-346701/2 Instrument ID (1): HP23263

GC Column (1): DB-5MS 30m 0.2 ID: 0.25(mm) Date Analyzed (1): 02/21/2023 22:48

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.94	20.90

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0451a.D				
Injection Date:	21-Feb-2023 22:48:30	Instrument ID:	HP23263		
Lims ID:	ICIS L4				
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		

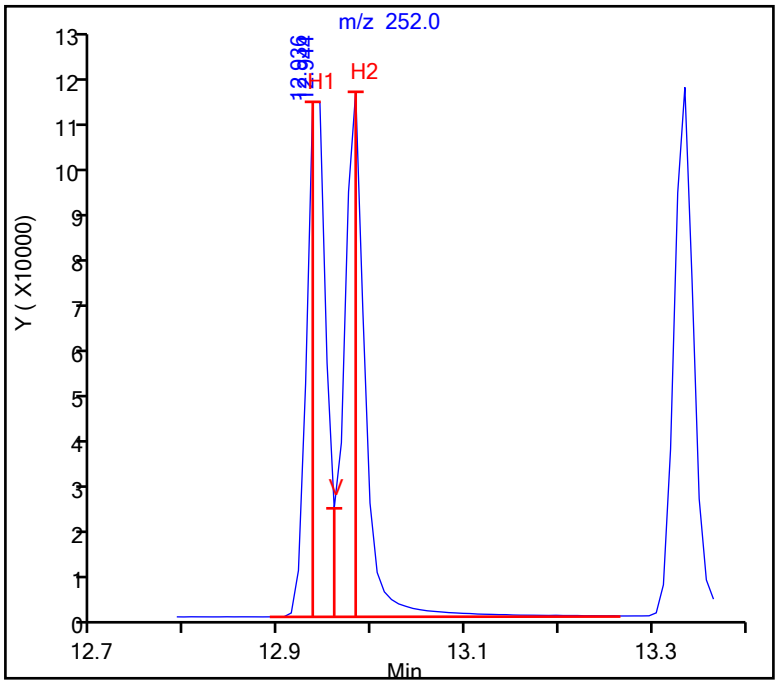
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 22450
H1(33 Benzo[b]fluoranthen) = 106534
H2(34 Benzo[k]fluoranthen) = 108597

Version D: %R = 20.9 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories En Job No.: 410-115936-1

SDG No.:

Lab Sample ID (1): CCVIS 410-347593/2 Instrument ID (1): HP21585

GC Column (1): DB-5MS 30m 0.2 ID: 0.25(mm) Date Analyzed (1): 02/24/2023 04:03

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.84	17.80

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0801.D				
Injection Date:	24-Feb-2023 04:03:16	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		

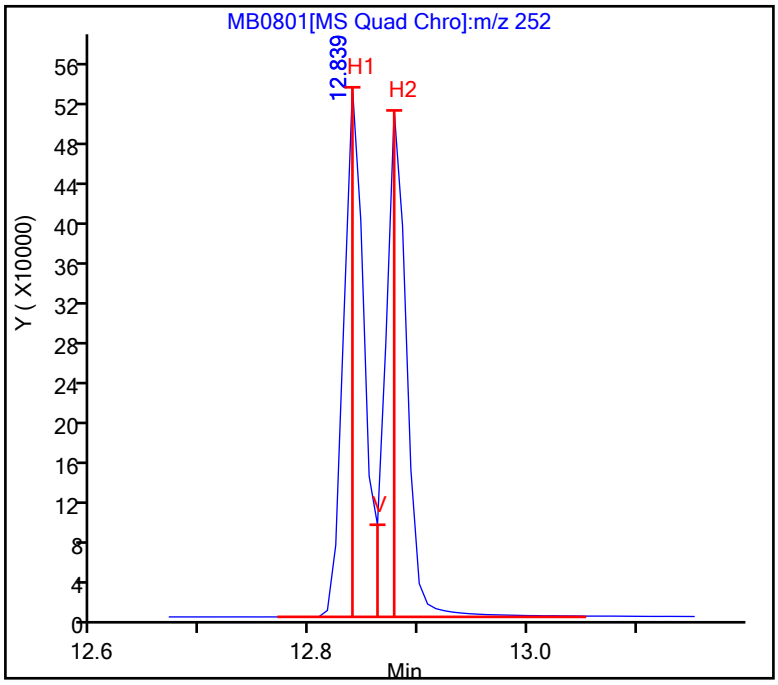
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 93107
H1(33 Benzo[b]fluoranthen) = 534648
H2(34 Benzo[k]fluoranthen) = 511294

Version D: %R = 17.8 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories En Job No.: 410-115936-1

SDG No.:

Lab Sample ID (1): CCVIS 410-348434/2 Instrument ID (1): HP23263

GC Column (1): DB-5MS 30m 0.2 ID: 0.25(mm) Date Analyzed (1): 02/28/2023 03:46

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.94	25.50

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0751.D
Injection Date: 28-Feb-2023 03:46:30 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

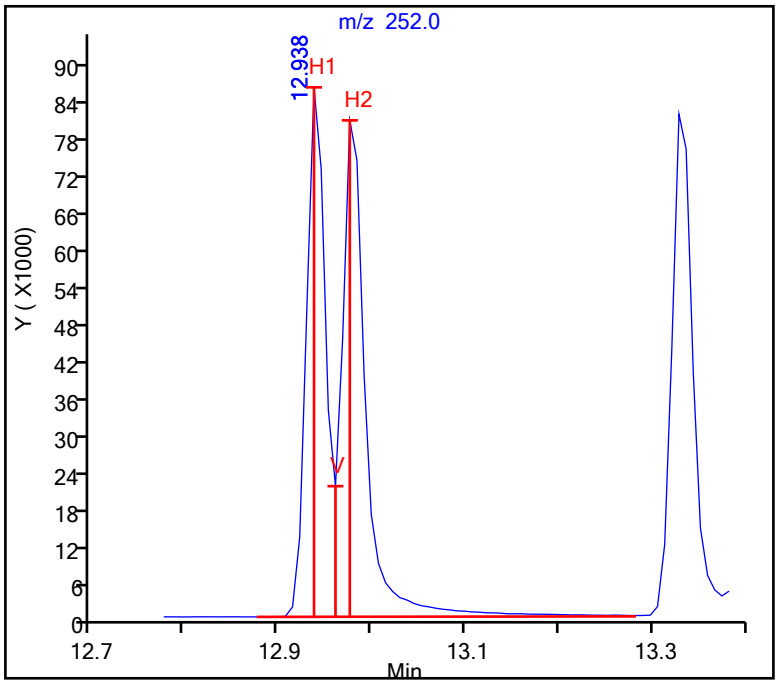
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 21211
H1(33 Benzo[b]fluoranthen) = 85984
H2(34 Benzo[k]fluoranthen) = 80608

Version D: %R = 25.5 <= 50.0
Passed



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-338781/9 Calibration Date: 01/26/2023 10:29

Instrument ID: HP21585 Calib Start Date: 01/26/2023 07:56

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 01/26/2023 09:46

Lab File ID: MA0408.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4307	0.4762		0.553	0.500	10.6	30.0
N-Nitrosodimethylamine	Ave	0.3941	0.6004		0.762	0.500	52.4*	30.0
Bis(2-chloroethyl)ether	Ave	0.2703	0.2809		0.520	0.500	3.9	30.0
Naphthalene	Lin2		0.8605		0.439	0.500	-12.1	30.0
2-Methylnaphthalene	Ave	0.7339	0.5707		0.389	0.500	-22.2	30.0
1-Methylnaphthalene	Ave	0.6537	0.5323		0.407	0.500	-18.6	30.0
Dimethylphthalate	Ave	1.225	1.333		0.544	0.500	8.9	30.0
Acenaphthylene	Ave	1.730	1.705		0.493	0.500	-1.4	30.0
Acenaphthene	Ave	1.111	1.190		0.535	0.500	7.1	30.0
Dibenzofuran	Ave	1.836	1.771		0.482	0.500	-3.5	30.0
Diethylphthalate	Ave	1.061	1.155		0.544	0.500	8.8	30.0
Fluorene	Ave	1.367	1.356		0.496	0.500	-0.8	30.0
N-Nitrosodiphenylamine	Ave	0.4200	0.6106		0.618	0.425	45.4*	30.0
Hexachlorobenzene	Ave	0.2835	0.2835		0.500	0.500	-0.0	30.0
Phenanthrene	Lin2		1.101		0.536	0.500	7.1	30.0
Anthracene	Ave	0.9845	1.072		0.544	0.500	8.9	30.0
Di-n-butyl phthalate	Ave	0.8373	0.8624		0.515	0.500	3.0	30.0
Fluoranthene	Ave	1.203	1.174		0.488	0.500	-2.3	30.0
Pyrene	Ave	1.508	1.459		0.484	0.500	-3.3	30.0
Butylbenzylphthalate	Ave	0.3974	0.3705		0.466	0.500	-6.8	30.0
Benzo[a]anthracene	Ave	1.209	1.235		0.511	0.500	2.1	30.0
Chrysene	Ave	1.349	1.289		0.478	0.500	-4.4	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.5302	0.5188		0.489	0.500	-2.1	30.0
Di-n-octyl phthalate	Ave	0.7787	0.7294		0.468	0.500	-6.3	30.0
Benzo[b]fluoranthene	Ave	1.191	1.303		0.547	0.500	9.4	30.0
Benzo[k]fluoranthene	Ave	1.187	1.434		0.604	0.500	20.8	30.0
Benzo[a]pyrene	Ave	1.062	1.149		0.541	0.500	8.1	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.094	1.203		0.550	0.500	10.0	30.0
Dibenz(a,h)anthracene	Ave	1.224	1.359		0.555	0.500	11.0	30.0
Benzo[g,h,i]perylene	Ave	1.325	1.430		0.540	0.500	7.9	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0408.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jan-2023 10:29:04 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0075813-009
Operator ID: jmg00346 Instrument ID: HP21585
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 27-Jan-2023 03:26:17 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: UJM0 Date: 27-Jan-2023 03:06:58

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	1.995	1.876	0.119	85	75895	0.5000	0.5528	Ma
2 N-Nitrosodimethylamine	74	2.240	2.161	0.079	85	95700	0.5000	0.7618	a
3 Bis(2-chloroethyl)ether	93	4.306	4.294	0.012	91	179599	0.5000	0.5196	
* 4 1,4-Dichlorobenzene-d4	152	4.569	4.556	0.012	80	79692	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.743	5.743	0.000	91	319699	0.2500	0.2500	
6 Naphthalene	128	5.756	5.768	-0.012	1	550208	0.5000	0.4393	M
8 2-Methylnaphthalene	142	6.417	6.417	0.000	95	364902	0.5000	0.3888	
10 1-Methylnaphthalene	142	6.506	6.506	0.000	97	340330	0.5000	0.4071	
11 Dimethyl phthalate	163	7.146	7.146	0.000	79	410365	0.5000	0.5445	
12 Acenaphthylene	152	7.264	7.264	0.000	98	524762	0.5000	0.4928	
* 13 Acenaphthene-d10	164	7.402	7.402	0.000	94	153873	0.2500	0.2500	
14 Acenaphthene	154	7.432	7.432	0.000	91	366298	0.5000	0.5355	
15 Dibenzofuran	168	7.589	7.599	-0.010	89	545111	0.5000	0.4824	
16 Diethyl phthalate	149	7.814	7.814	0.000	98	355357	0.5000	0.5442	
17 Fluorene	166	7.916	7.916	0.000	97	417199	0.5000	0.4960	
18 N-Nitrosodiphenylamine	169	8.025	8.025	0.000	86	285683	0.4250	0.6178	M
19 Hexachlorobenzene	284	8.439	8.439	0.000	91	156037	0.5000	0.5000	
* 20 Phenanthrene-d10	188	8.806	8.806	0.000	96	275225	0.2500	0.2500	
21 Phenanthrene	178	8.821	8.821	0.000	100	605879	0.5000	0.5355	
22 Anthracene	178	8.876	8.876	0.000	100	589972	0.5000	0.5443	
23 Di-n-butyl phthalate	149	9.374	9.374	0.000	100	474703	0.5000	0.5150	
25 Fluoranthene	202	9.957	9.951	0.006	99	646465	0.5000	0.4883	
26 Pyrene	202	10.170	10.170	0.000	98	673724	0.5000	0.4837	
27 Butyl benzyl phthalate	149	10.849	10.849	0.000	100	171113	0.5000	0.4661	
28 Benzo[a]anthracene	228	11.447	11.447	0.000	100	570510	0.5000	0.5107	
* 29 Chrysene-d12	240	11.462	11.462	0.000	64	230945	0.2500	0.2500	
30 Chrysene	228	11.485	11.485	0.000	100	595535	0.5000	0.4781	
31 Bis(2-ethylhexyl) phthalate	149	11.539	11.539	0.000	99	239625	0.5000	0.4893	
32 Di-n-octyl phthalate	149	12.406	12.398	0.008	100	335460	0.5000	0.4683	
33 Benzo[b]fluoranthene	252	12.851	12.851	0.000	100	599243	0.5000	0.5471	

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	12.889	12.889	0.000	100	659339	0.5000	0.6041	
37 Benzo[a]pyrene	252	13.311	13.311	0.000	100	528186	0.5000	0.5406	
* 38 Perylene-d12	264	13.395	13.395	0.000	100	229944	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.004	14.997	0.007	99	553313	0.5000	0.5501	M
41 Dibenz(a,h)anthracene	278	15.054	15.054	0.000	96	624966	0.5000	0.5551	
42 Benzo[g,h,i]perylene	276	15.449	15.449	0.000	96	657686	0.5000	0.5396	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RVSIM_ICV_00036 Amount Added: 1.00 Units: mL

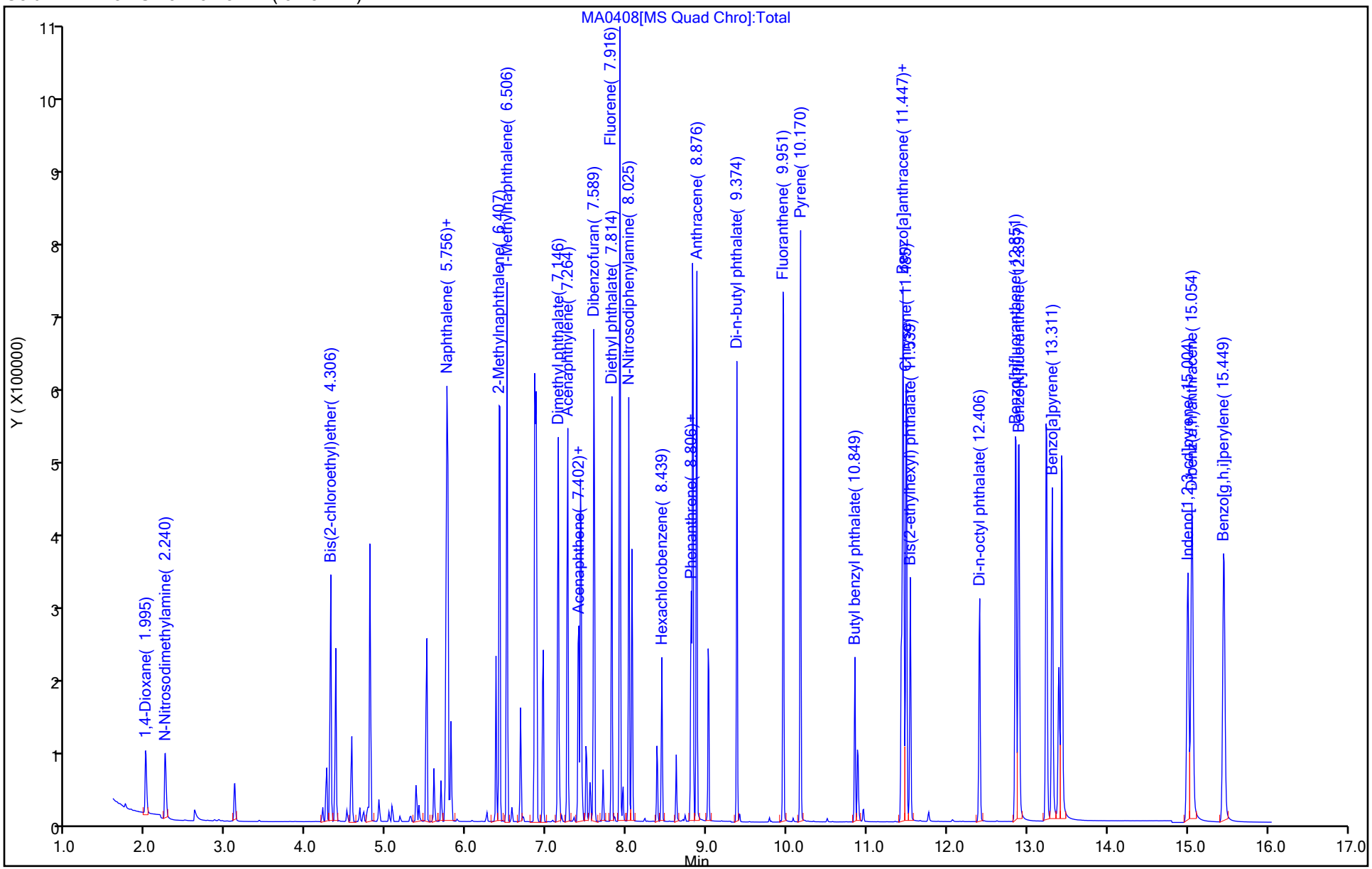
Report Date: 27-Jan-2023 03:30:09 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0408.D

Injection Date:	26-Jan-2023 10:29:04	Instrument ID:	HP21585	Operator ID:	jmg00346
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

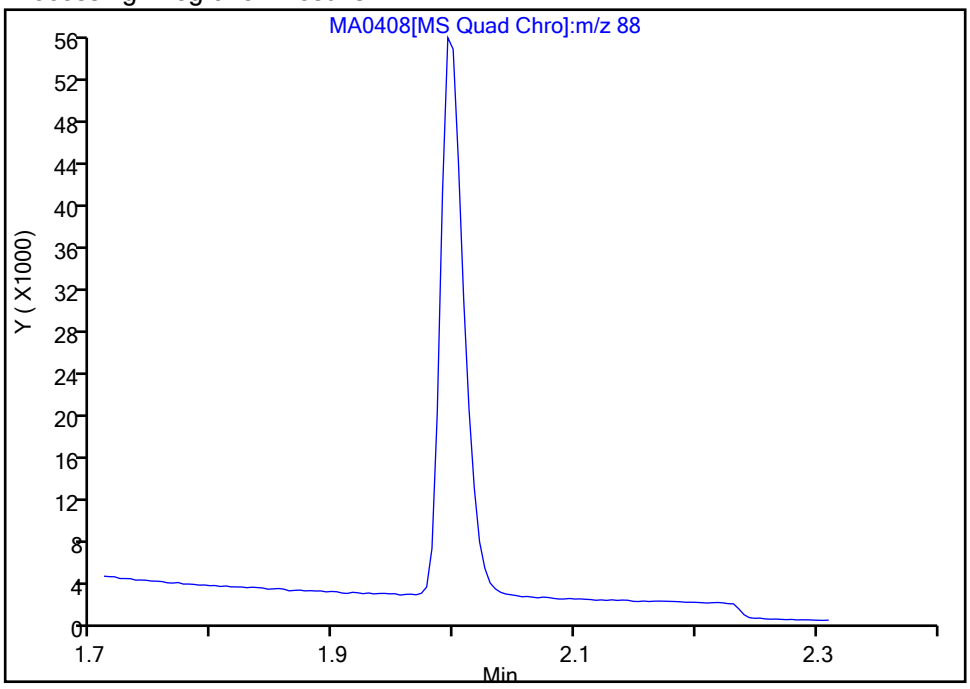
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0408.D		
Injection Date:	26-Jan-2023 10:29:04	Instrument ID:	HP21585
Lims ID:	ICV FULL		
Client ID:			
Operator ID:	jmg00346	ALS Bottle#:	0 Worklist Smp#: 9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	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

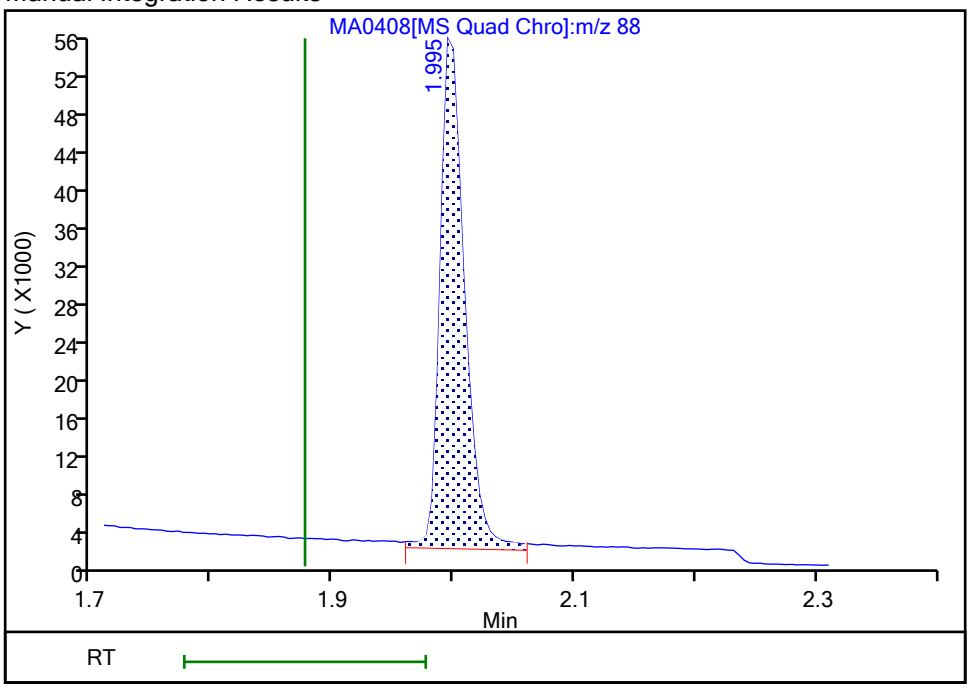
Not Detected
Expected RT: 1.88

Processing Integration Results



Manual Integration Results

RT: 1.99
Area: 75895
Amount: 0.552755
Amount Units: ug/ml



Reviewer: UJM0, 27-Jan-2023 03:05:31
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

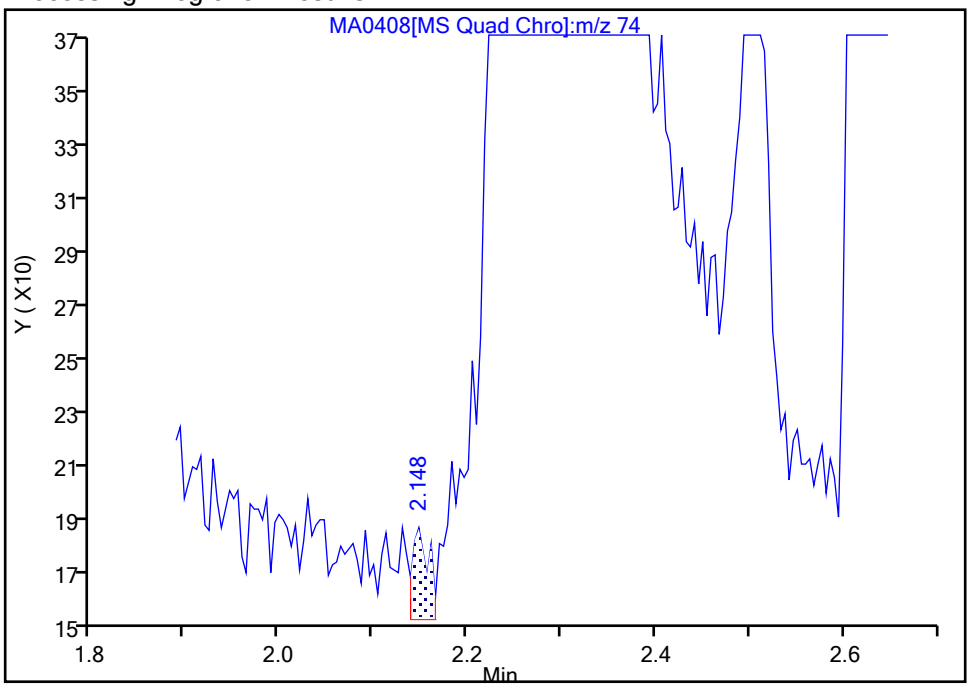
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0408.D
Injection Date: 26-Jan-2023 10:29:04 Instrument ID: HP21585
Lims ID: ICV FULL
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

2 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

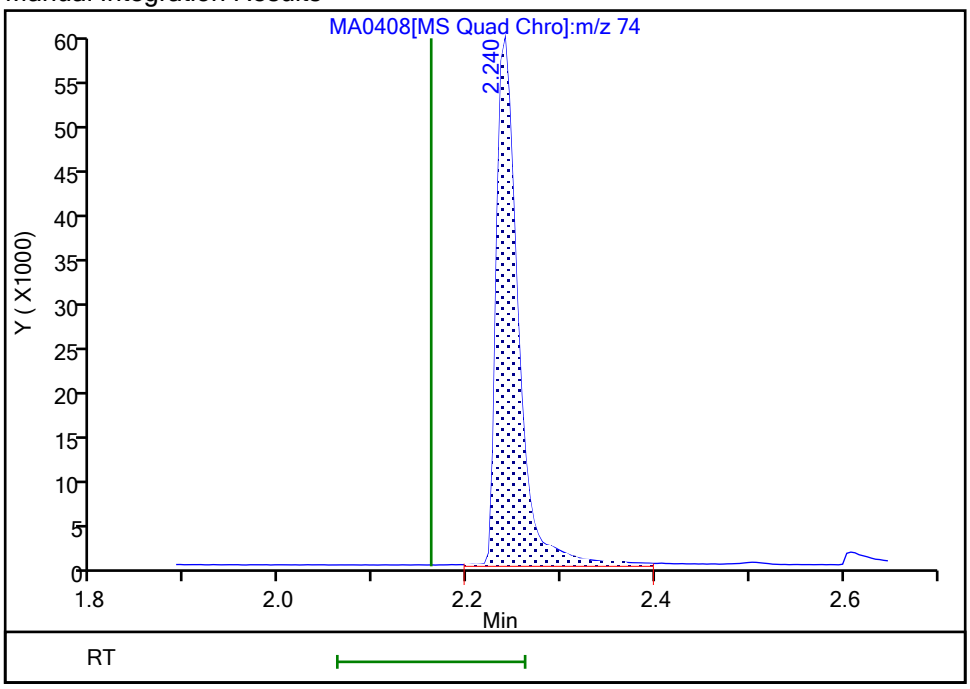
Processing Integration Results

RT: 2.15
Area: 39
Amount: 0.000310
Amount Units: ug/ml



Manual Integration Results

RT: 2.24
Area: 95700
Amount: 0.761786
Amount Units: ug/ml



Reviewer: UJM0, 27-Jan-2023 03:05:37
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

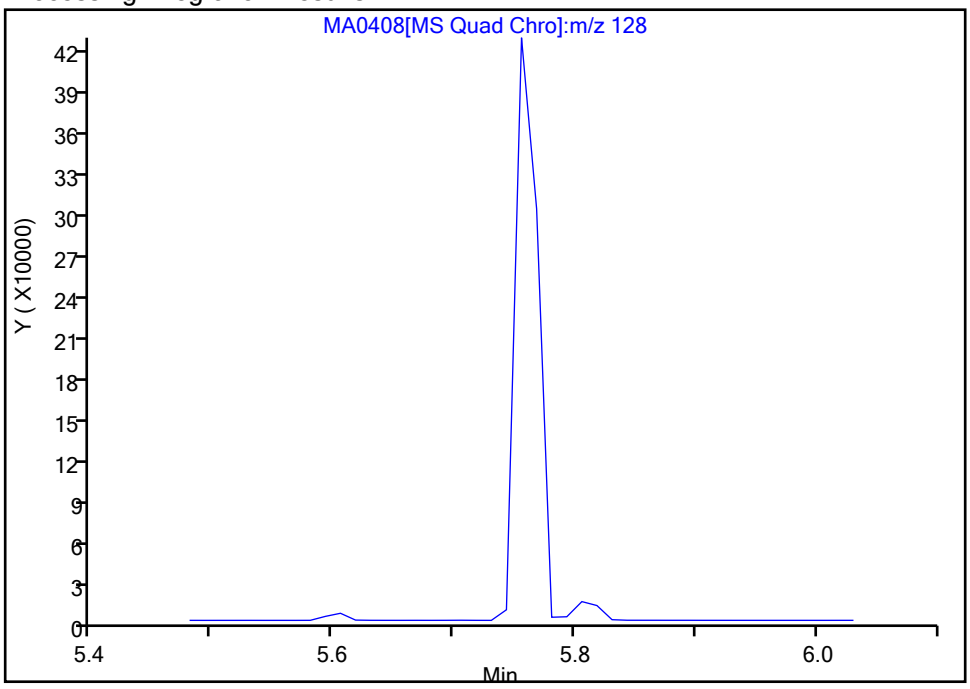
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0408.D				
Injection Date:	26-Jan-2023 10:29:04	Instrument ID:	HP21585		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Naphthalene, CAS: 91-20-3

Signal: 1

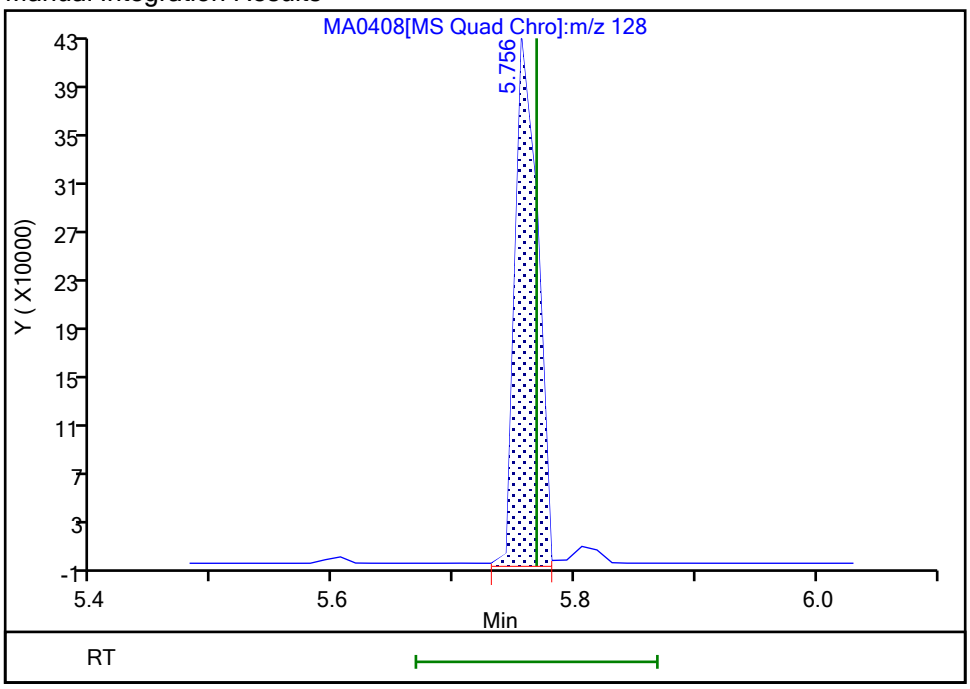
Not Detected
Expected RT: 5.77

Processing Integration Results



Manual Integration Results

RT: 5.76
Area: 550208
Amount: 0.439339
Amount Units: ug/ml



Reviewer: UJM0, 27-Jan-2023 03:05:51
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

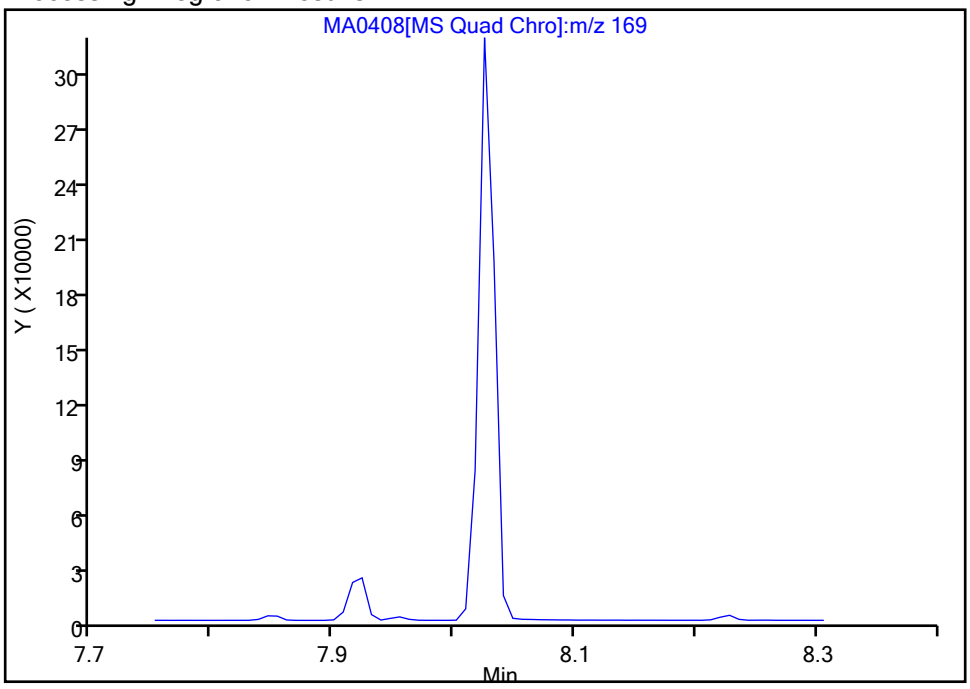
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0408.D				
Injection Date:	26-Jan-2023 10:29:04	Instrument ID:	HP21585		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

18 N-Nitrosodiphenylamine, CAS: 86-30-6

Signal: 1

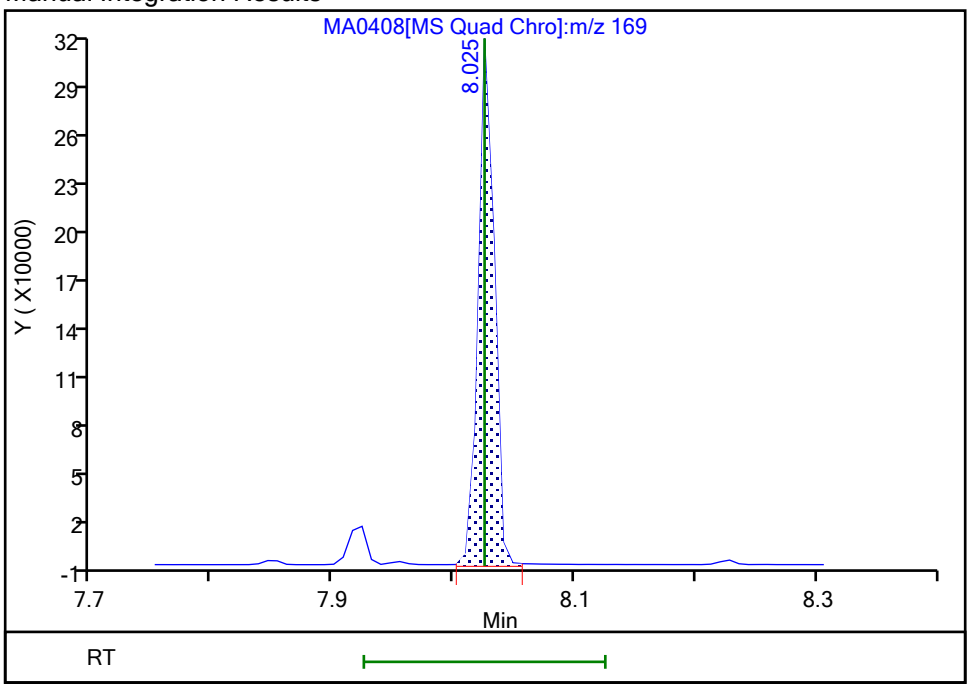
Processing Integration Results

Not Detected
Expected RT: 8.03



Manual Integration Results

RT: 8.03
Area: 285683
Amount: 0.617793
Amount Units: ug/ml



Reviewer: UJM0, 27-Jan-2023 03:06:08
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

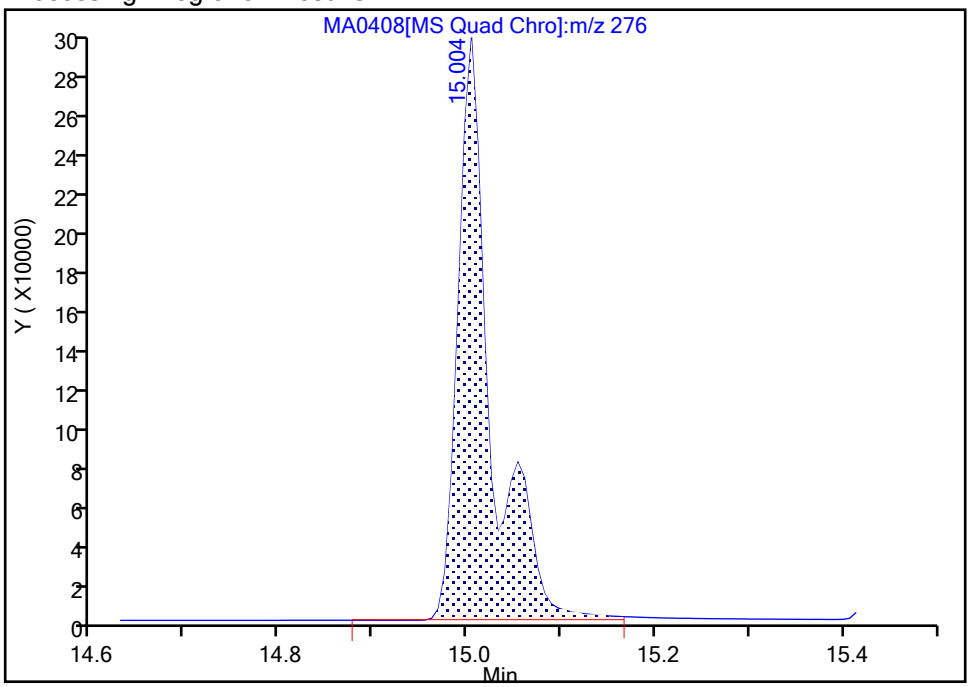
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0408.D		
Injection Date:	26-Jan-2023 10:29:04	Instrument ID:	HP21585
Lims ID:	ICV FULL		
Client ID:			
Operator ID:	jmg00346	ALS Bottle#:	0 Worklist Smp#: 9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	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

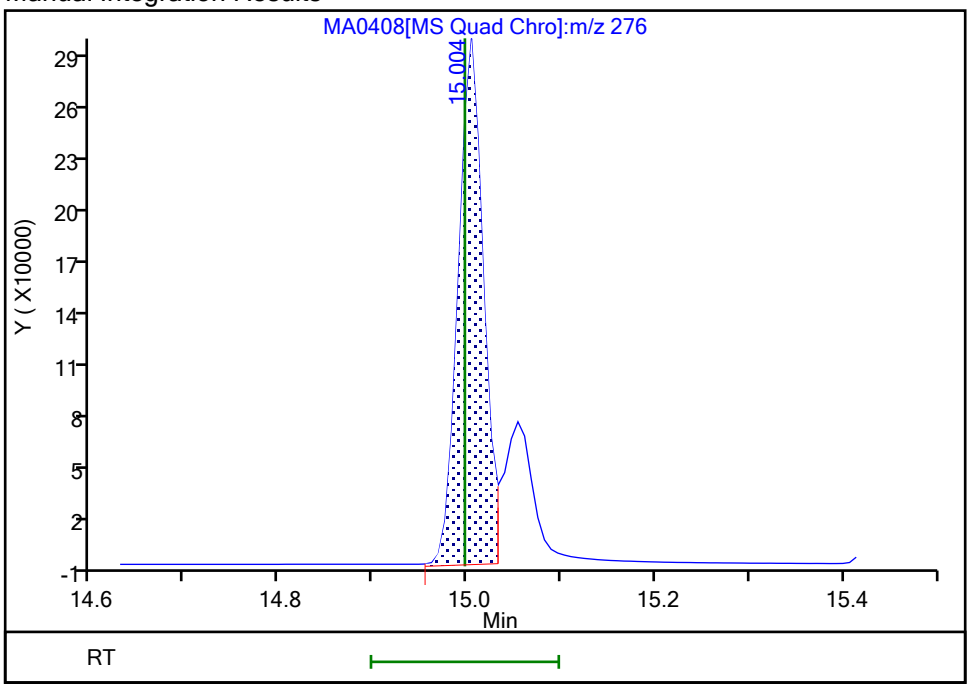
Processing Integration Results

RT: 15.00
Area: 736046
Amount: 0.731750
Amount Units: ug/ml



Manual Integration Results

RT: 15.00
Area: 553313
Amount: 0.550083
Amount Units: ug/ml



Reviewer: UJM0, 27-Jan-2023 03:06:26

Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-339982/3 Calibration Date: 01/31/2023 07:23

Instrument ID: HP21585 Calib Start Date: 01/26/2023 07:56

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 01/26/2023 09:46

Lab File ID: MA0602a.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Methylnaphthalene	Ave	0.7339	0.7176		0.244	0.250	-2.2	30.0
Dimethylphthalate	Ave	1.225	1.337		0.273	0.250	9.2	30.0
Diethylphthalate	Ave	1.061	1.134		0.267	0.250	6.9	30.0
N-Nitrosodiphenylamine	Ave	0.4200	0.5994		0.303	0.213	42.7*	30.0
Di-n-octyl phthalate	Ave	0.7787	0.5778		0.185	0.250	-25.8	30.0
Benzo[k]fluoranthene	Ave	1.187	1.367		0.288	0.250	15.2	30.0
1,4-Dioxane	Ave	0.4307				0.250		
1-Methylnaphthalene	Ave	0.6537				0.250		
Acenaphthene	Ave	1.111				0.250		
Acenaphthylene	Ave	1.730				0.250		
Anthracene	Ave	0.9845				0.250		
Benzo[a]anthracene	Ave	1.209				0.250		
Benzo[a]pyrene	Ave	1.062				0.250		
Benzo[b]fluoranthene	Ave	1.191				0.250		
Benzo[g,h,i]perylene	Ave	1.325				0.250		
Bis(2-chloroethyl)ether	Ave	0.2703				0.250		
Bis(2-ethylhexyl) phthalate	Ave	0.5302				0.250		
Butylbenzylphthalate	Ave	0.3974				0.250		
Chrysene	Ave	1.349				0.250		
Dibenz(a,h)anthracene	Ave	1.224				0.250		
Dibenzofuran	Ave	1.836				0.250		
Di-n-butyl phthalate	Ave	0.8373				0.250		
Fluoranthene	Ave	1.203				0.250		
Fluorene	Ave	1.367				0.250		
Hexachlorobenzene	Ave	0.2835				0.250		
Indeno[1,2,3-cd]pyrene	Ave	1.094				0.250		
Naphthalene	Lin2					0.250	-100.0*	30.0
N-Nitrosodimethylamine	Ave	0.3941				0.250		
Phenanthrene	Lin2					0.250	-100.0*	30.0
Pyrene	Ave	1.508				0.250		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 31-Jan-2023 07:23:14 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 410-0076087-003
Operator ID: jmg00346 Instrument ID: HP21585
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 01-Feb-2023 09:25:44 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1626

First Level Reviewer: UCA2 Date: 01-Feb-2023 09:25:44

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	4.556	4.568	-0.012	95	109440	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.743	5.743	0.000	91	356573	0.2500	0.2500	
8 2-Methylnaphthalene	142	6.417	6.417	0.000	96	255889	0.2500	0.2444	
11 Dimethyl phthalate	163	7.146	7.146	0.000	75	266419	0.2500	0.2730	
* 13 Acenaphthene-d10	164	7.402	7.402	0.000	91	199208	0.2500	0.2500	
16 Diethyl phthalate	149	7.814	7.814	0.000	100	225812	0.2500	0.2671	
18 N-Nitrosodiphenylamine	169	8.033	8.033	0.000	100	187178	0.2125	0.3032	
* 20 Phenanthrene-d10	188	8.806	8.805	0.001	97	367379	0.2500	0.2500	
* 29 Chrysene-d12	240	11.461	11.461	0.000	70	329781	0.2500	0.2500	
32 Di-n-octyl phthalate	149	12.404	12.406	0.000	100	195171	0.2500	0.1855	
34 Benzo[k]fluoranthene	252	12.895	12.895	0.000	100	461885	0.2500	0.2881	
* 38 Perylene-d12	264	13.394	13.394	0.000	100	337792	0.2500	0.2500	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_ICV_00037 Amount Added: 1.00 Units: mL

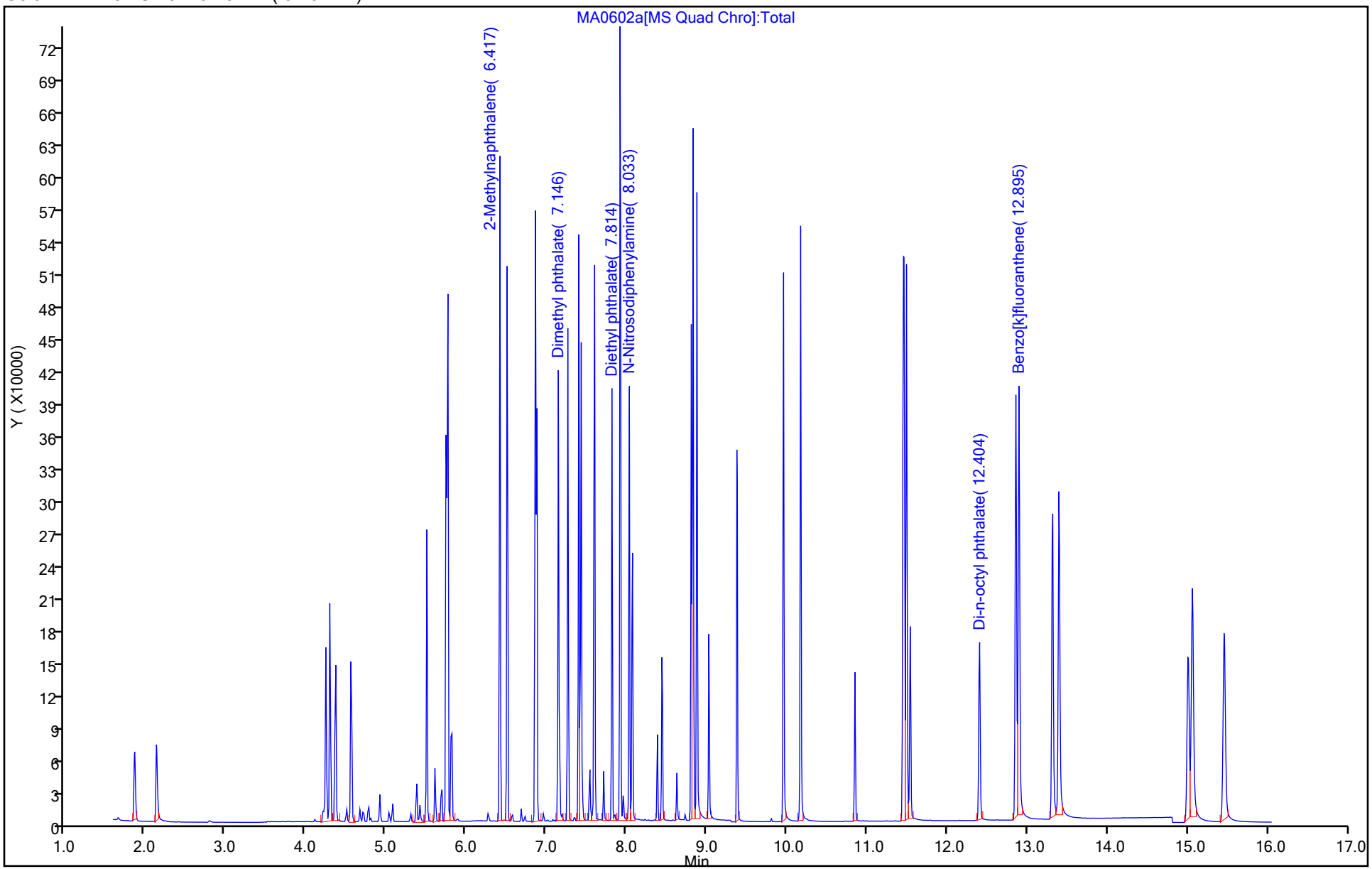
Report Date: 01-Feb-2023 09:25:57 Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D

Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	ICV			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)



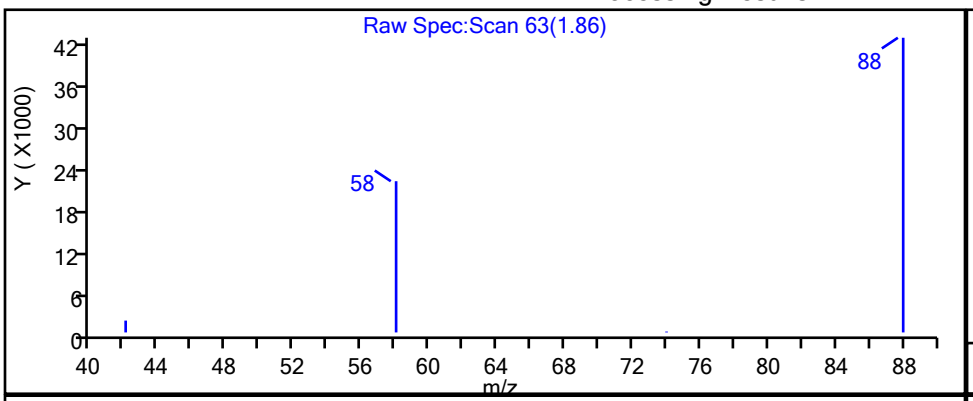
User Disabled Compound Report

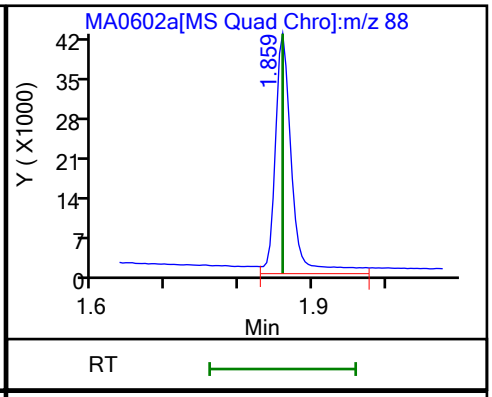
Eurofins Lancaster Laboratories Environment Testing, LLC

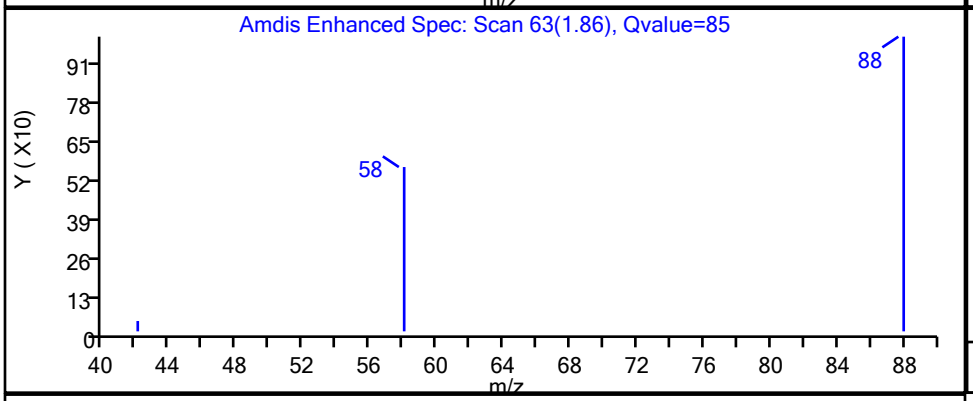
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

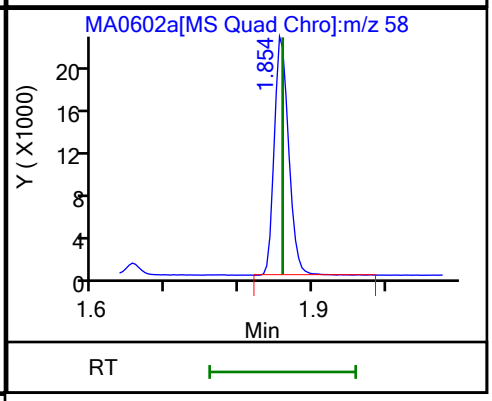
1 1,4-Dioxane, CAS: 123-91-1

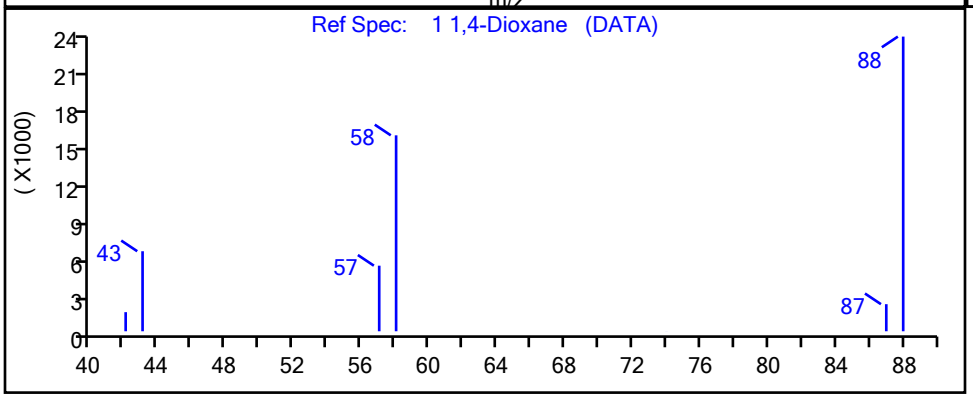
Processing Results











RT	Mass	Response	Amount
1.86	88.00	64474	0.341934
1.85	58.00	31448	

Reviewer: UCA2, 01-Feb-2023 09:25:07

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

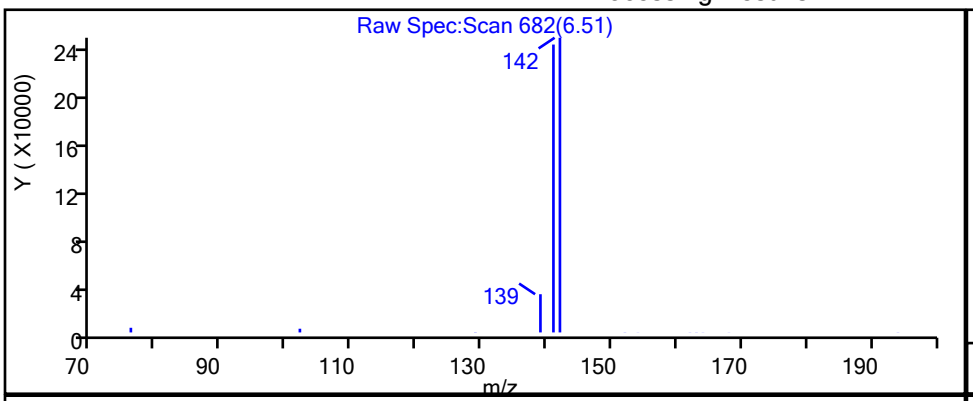
User Disabled Compound Report

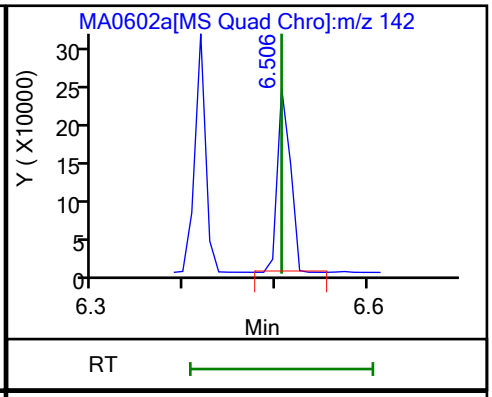
Eurofins Lancaster Laboratories Environment Testing, LLC

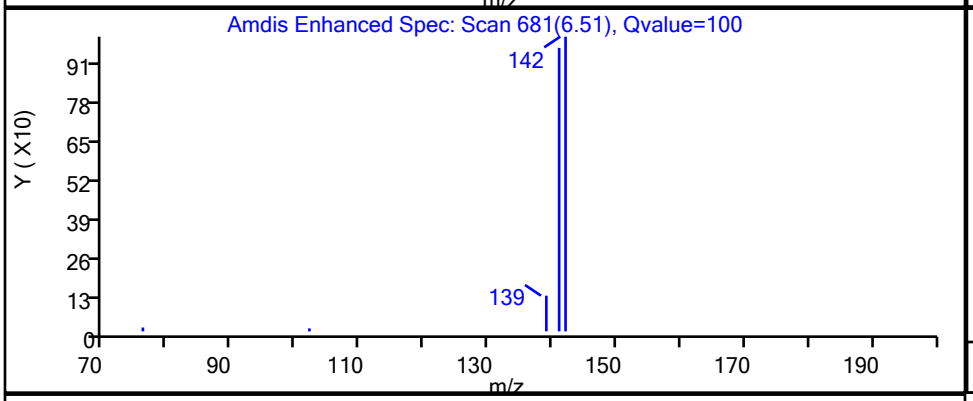
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

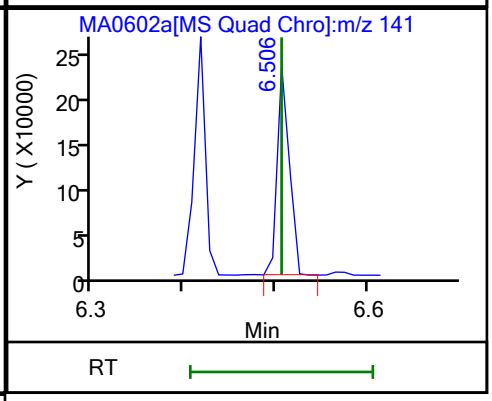
10 1-Methylnaphthalene, CAS: 90-12-0

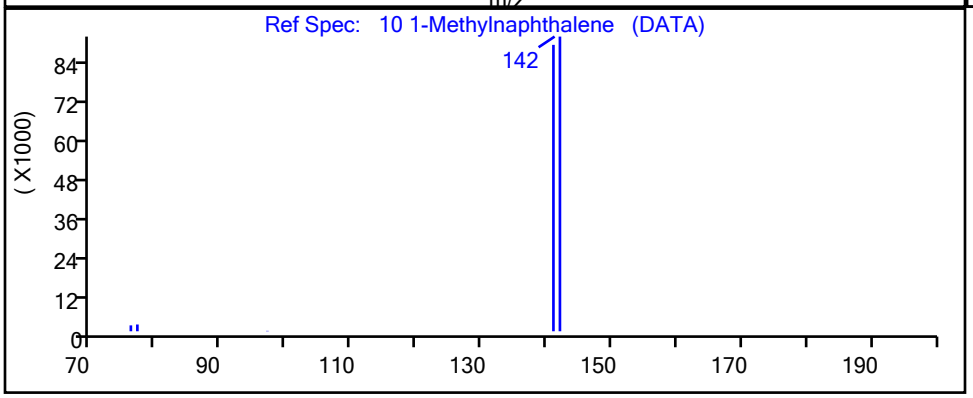
Processing Results











RT	Mass	Response	Amount
6.51	142.00	237509	0.254747
6.51	141.00	216903	

Reviewer: UCA2, 01-Feb-2023 09:25:17

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

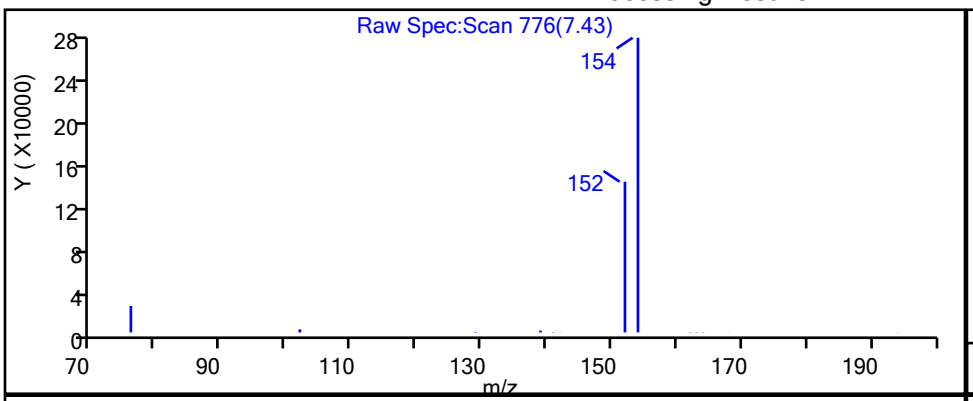
User Disabled Compound Report

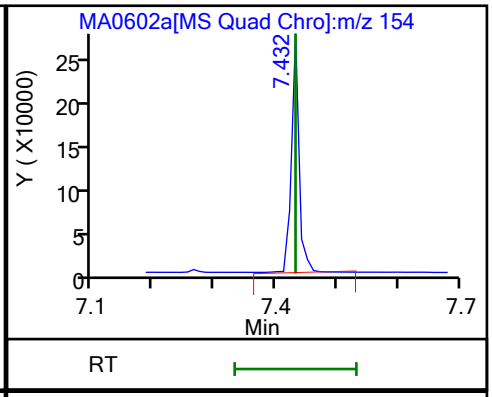
Eurofins Lancaster Laboratories Environment Testing, LLC

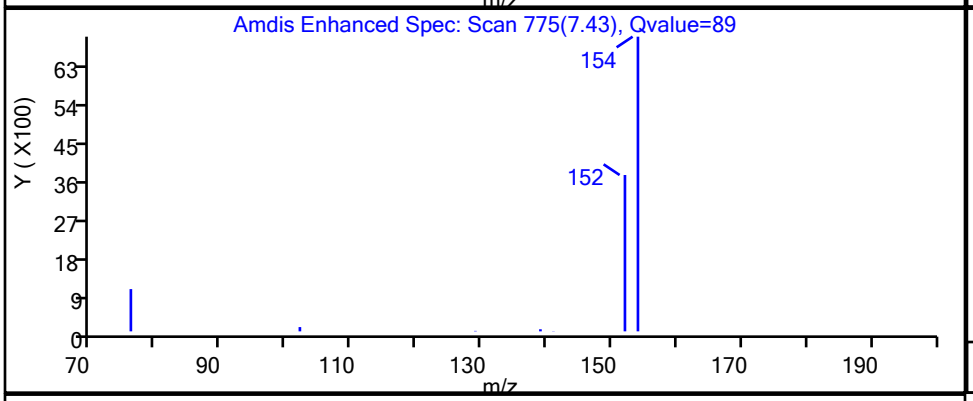
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

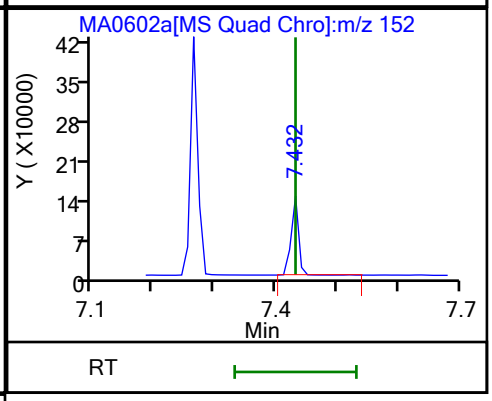
14 Acenaphthene, CAS: 83-32-9

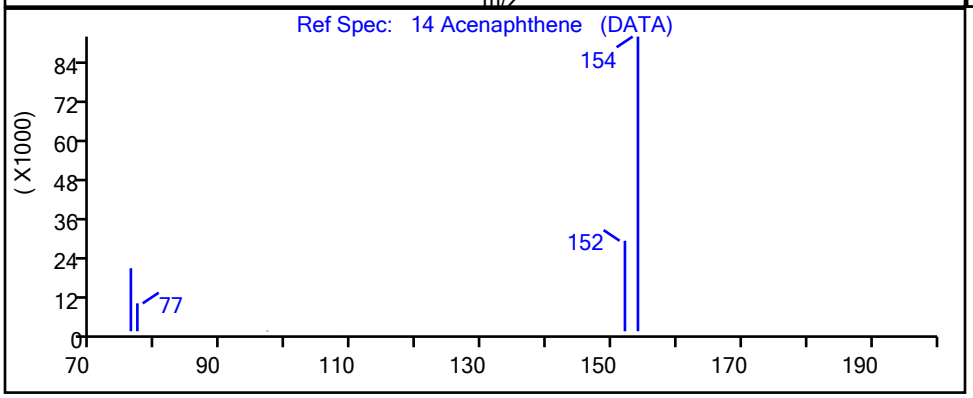
Processing Results











RT	Mass	Response	Amount
7.43	154.00	238167	0.268923
7.43	152.00	118510	

Reviewer: UCA2, 01-Feb-2023 09:25:20

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

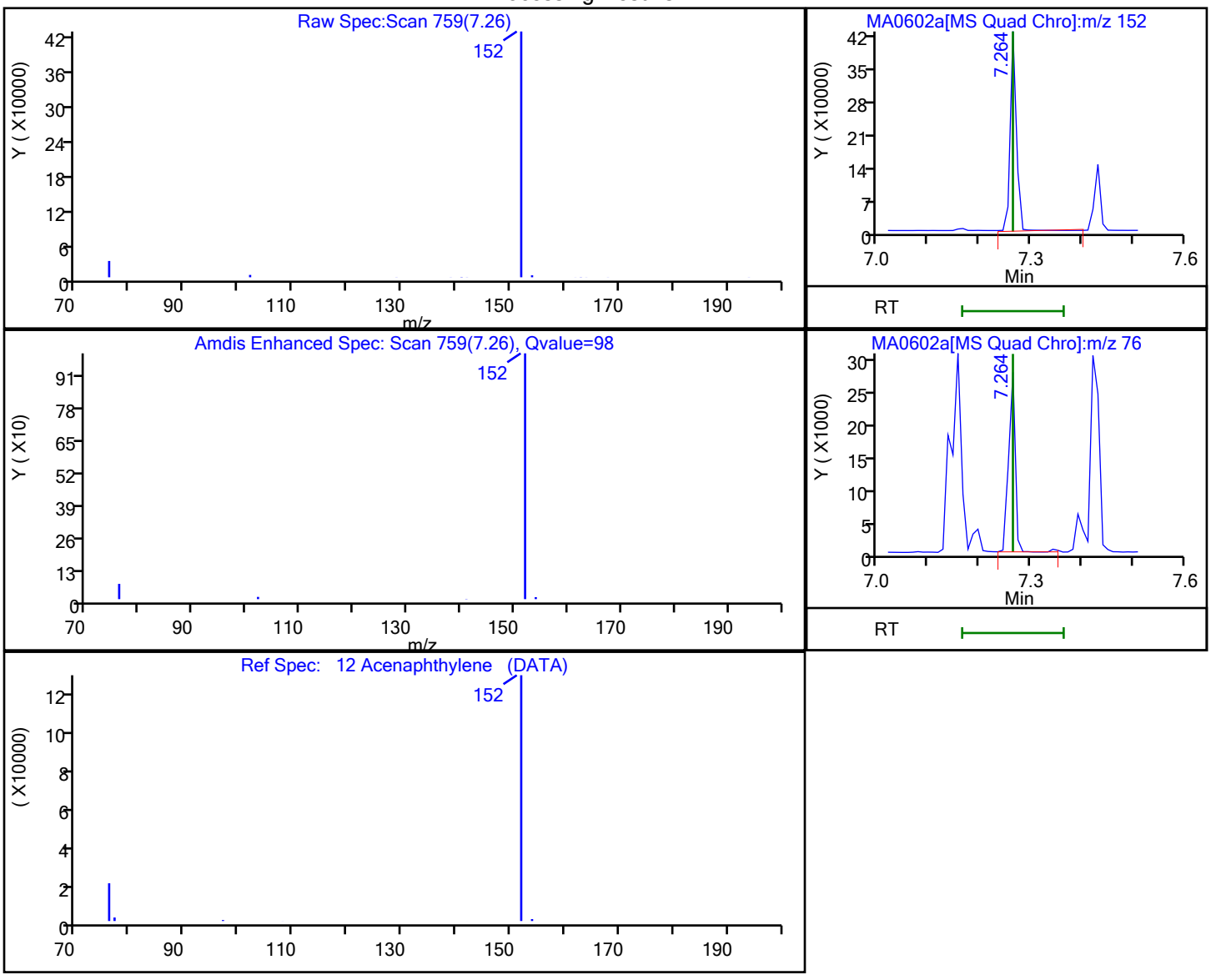
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
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		

12 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
7.26	152.00	354726	0.257302
7.26	76.00	25528	

Reviewer: UCA2, 01-Feb-2023 09:25:19

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

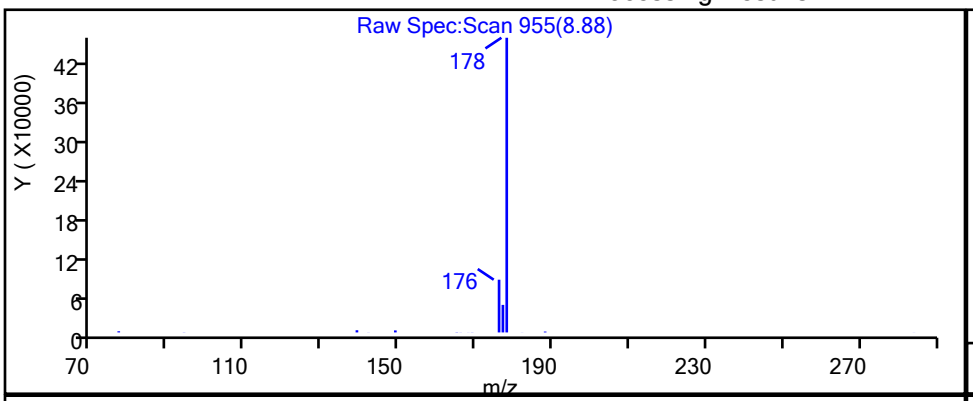
User Disabled Compound Report

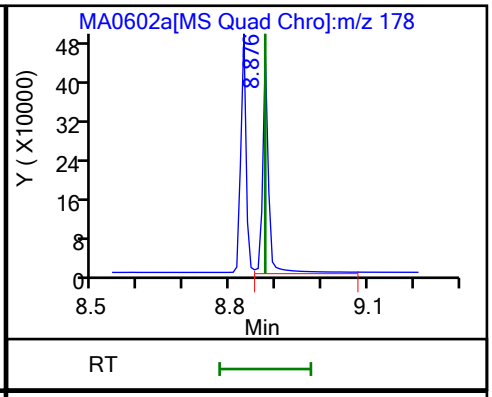
Eurofins Lancaster Laboratories Environment Testing, LLC

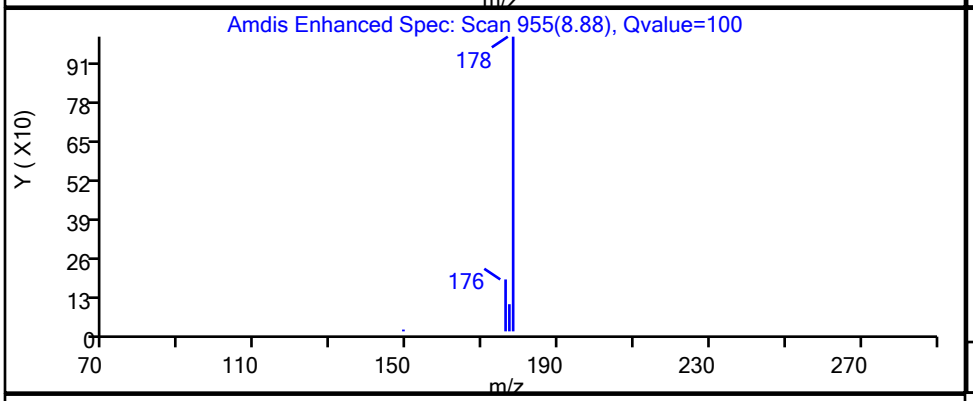
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

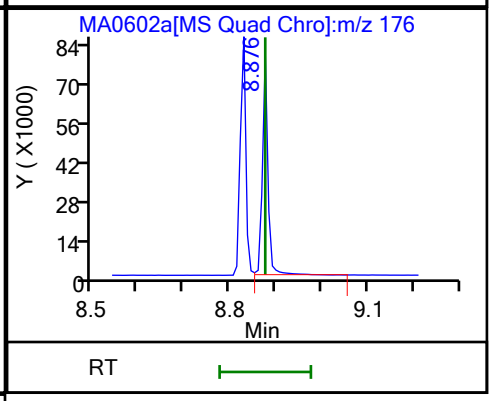
22 Anthracene, CAS: 120-12-7

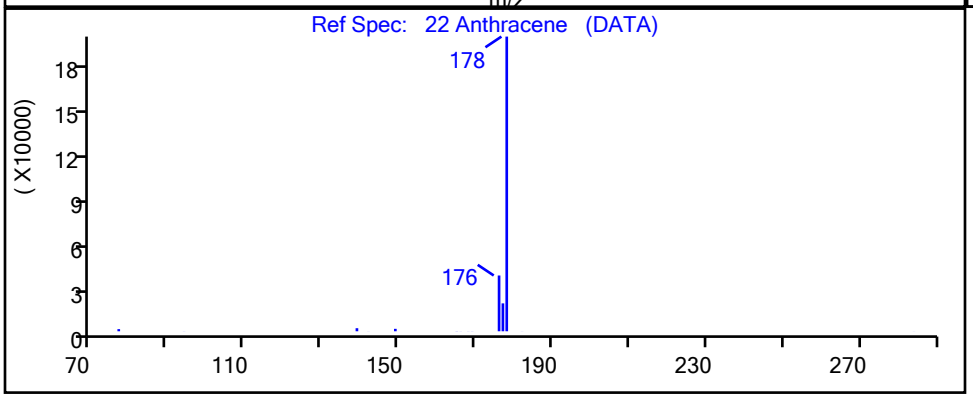
Processing Results











RT	Mass	Response	Amount
8.88	178.00	387690	0.267964
8.88	176.00	69418	

Reviewer: UCA2, 01-Feb-2023 09:25:26

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

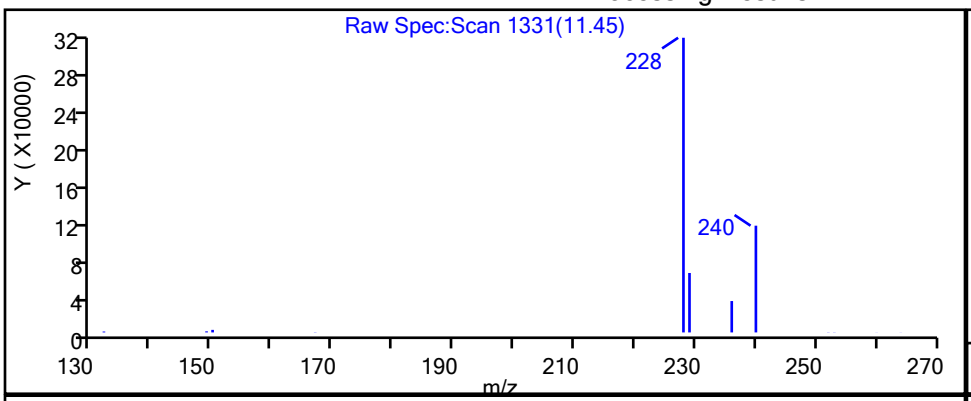
User Disabled Compound Report

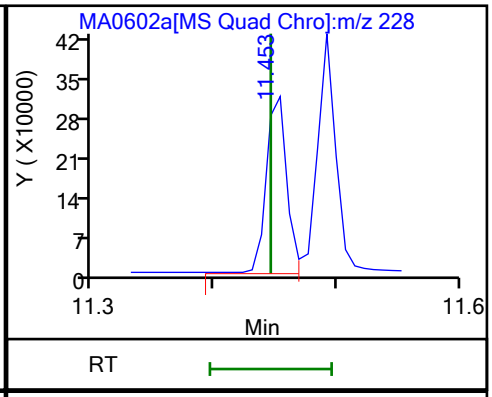
Eurofins Lancaster Laboratories Environment Testing, LLC

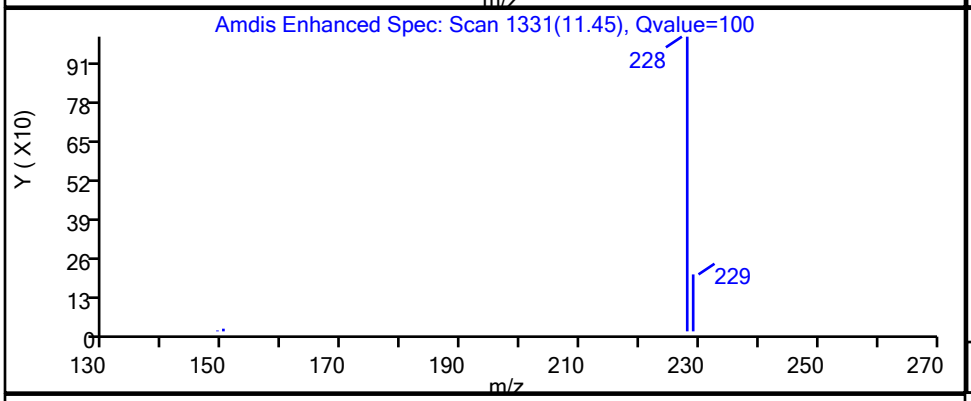
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

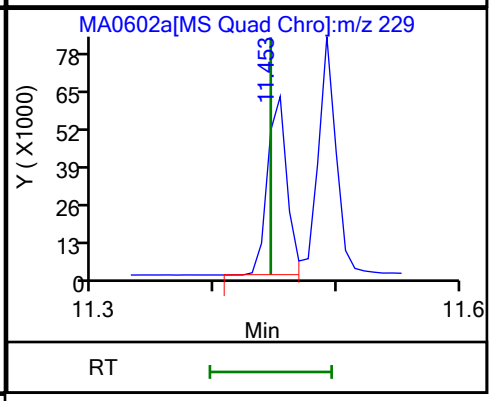
28 Benzo[a]anthracene, CAS: 56-55-3

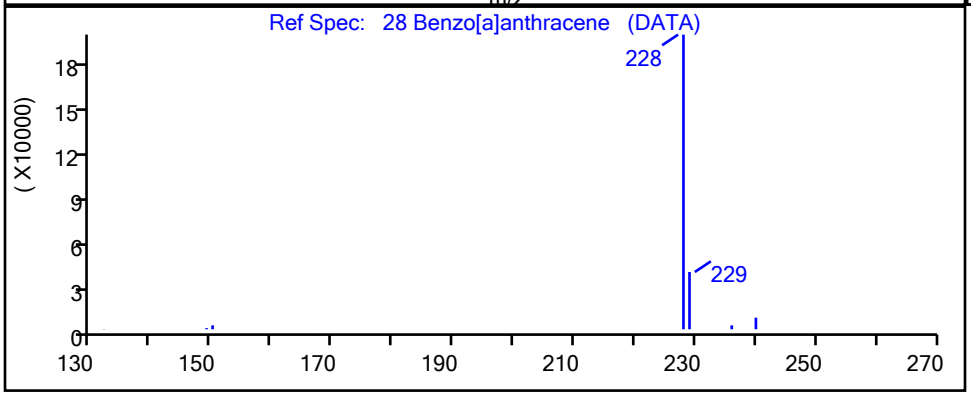
Processing Results











RT	Mass	Response	Amount
11.45	228.00	356969	0.223797
11.45	229.00	69496	

Reviewer: UCA2, 01-Feb-2023 09:25:30

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

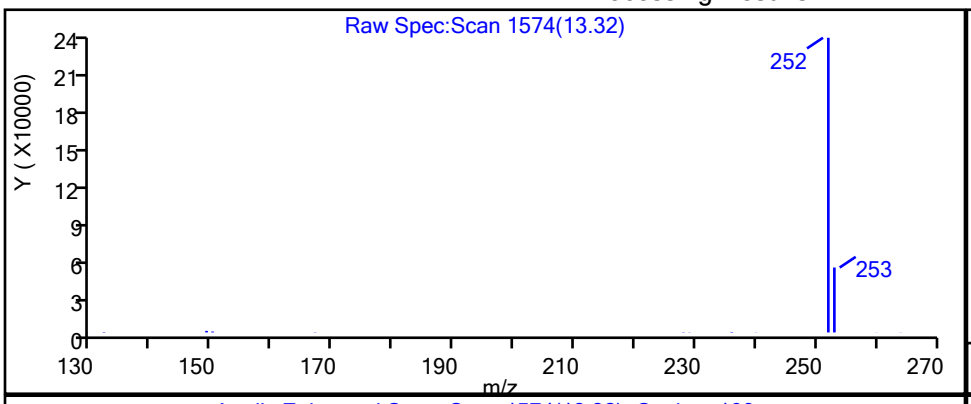
User Disabled Compound Report

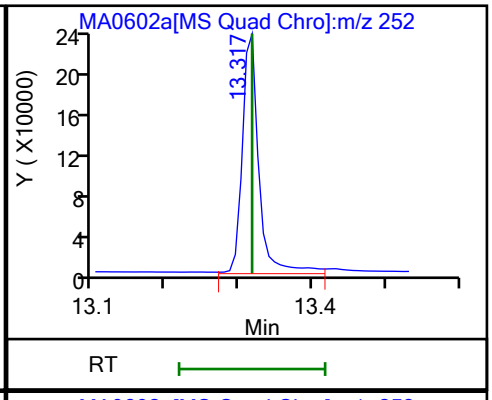
Eurofins Lancaster Laboratories Environment Testing, LLC

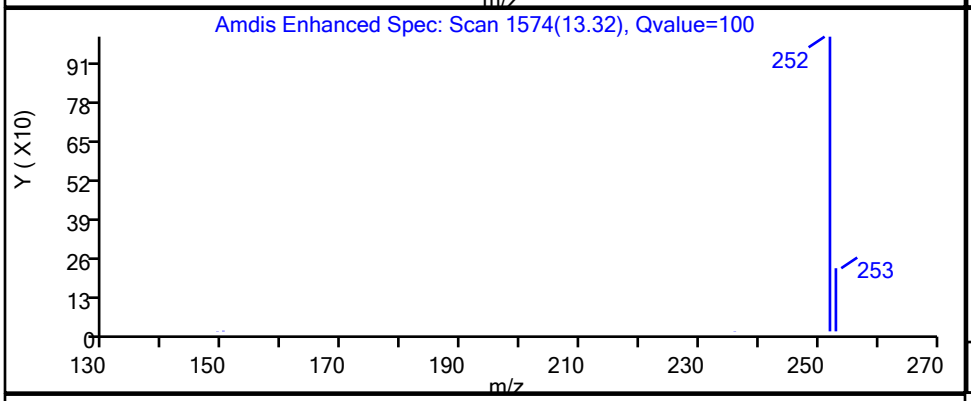
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

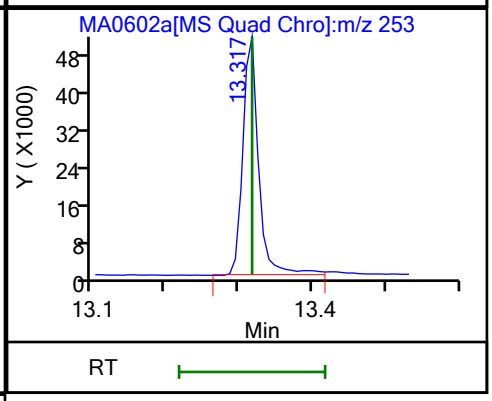
37 Benzo[a]pyrene, CAS: 50-32-8

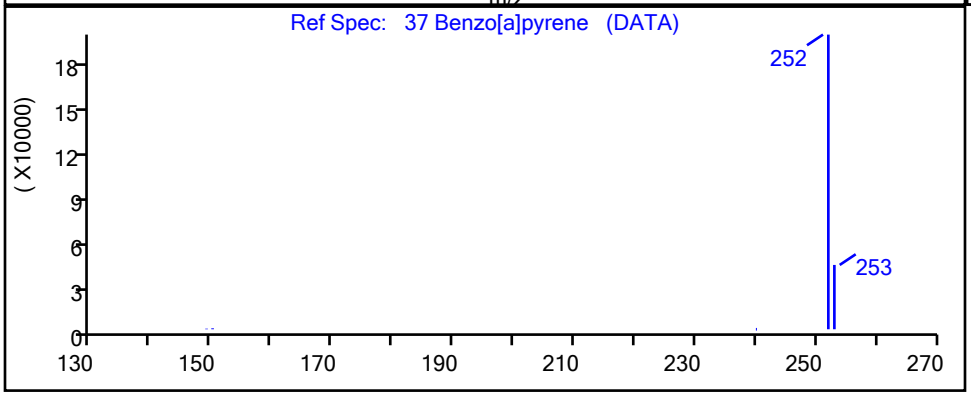
Processing Results











RT	Mass	Response	Amount
13.32	252.00	355616	0.247785
13.32	253.00	75787	

Reviewer: UCA2, 01-Feb-2023 09:25:36

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

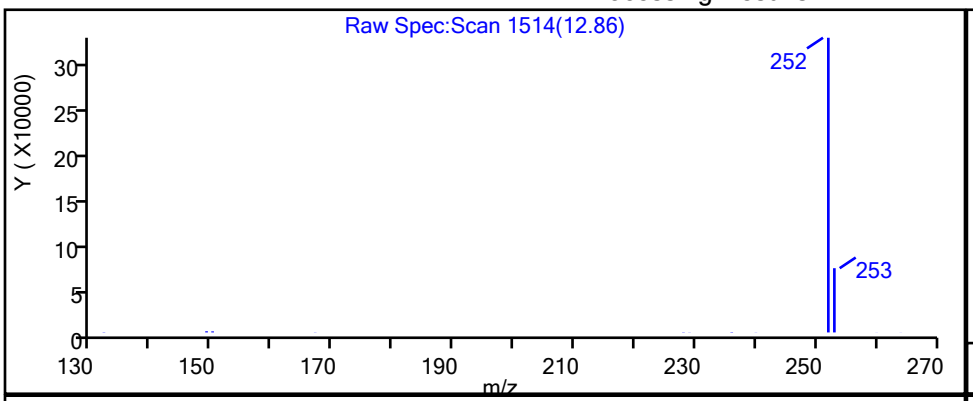
User Disabled Compound Report

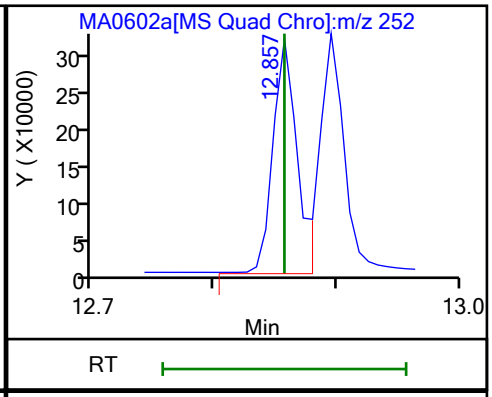
Eurofins Lancaster Laboratories Environment Testing, LLC

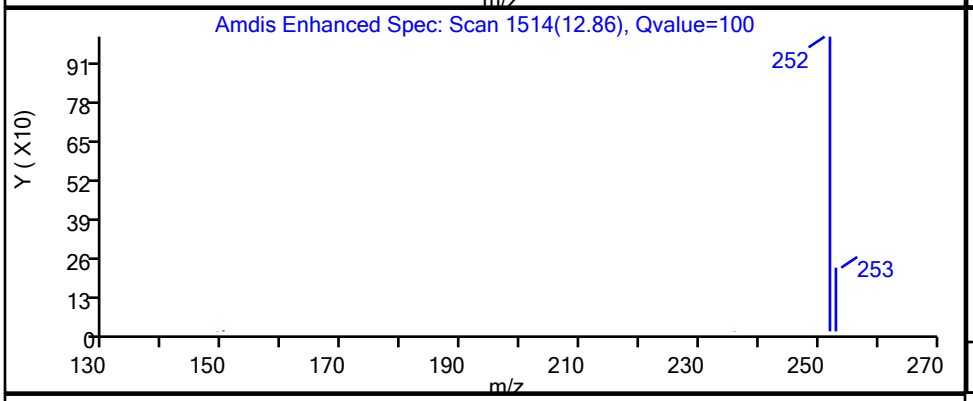
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

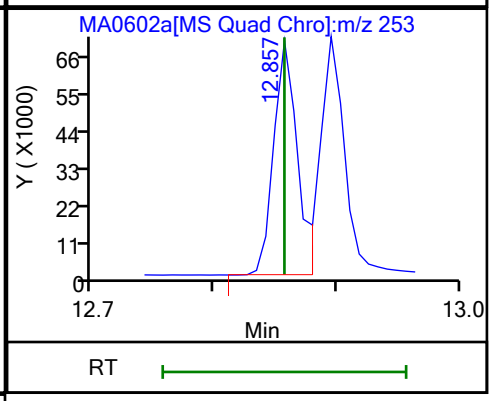
33 Benzo[b]fluoranthene, CAS: 205-99-2

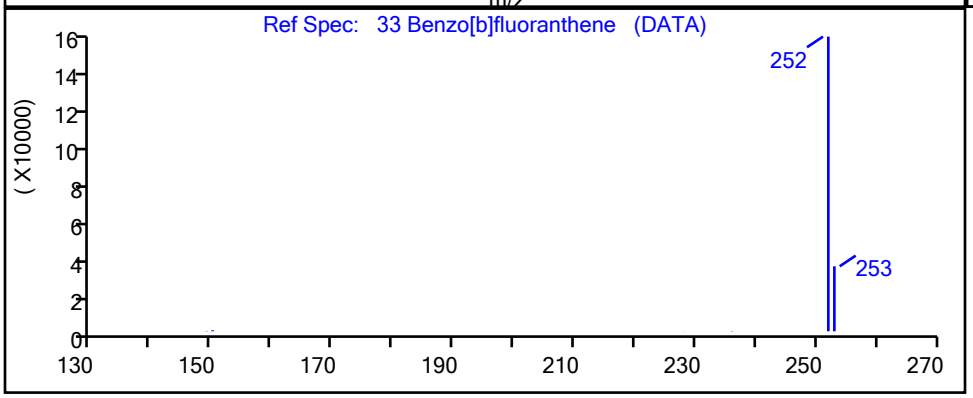
Processing Results











RT	Mass	Response	Amount
12.86	252.00	429183	0.266746
12.86	253.00	92868	

Reviewer: UCA2, 01-Feb-2023 09:25:34

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

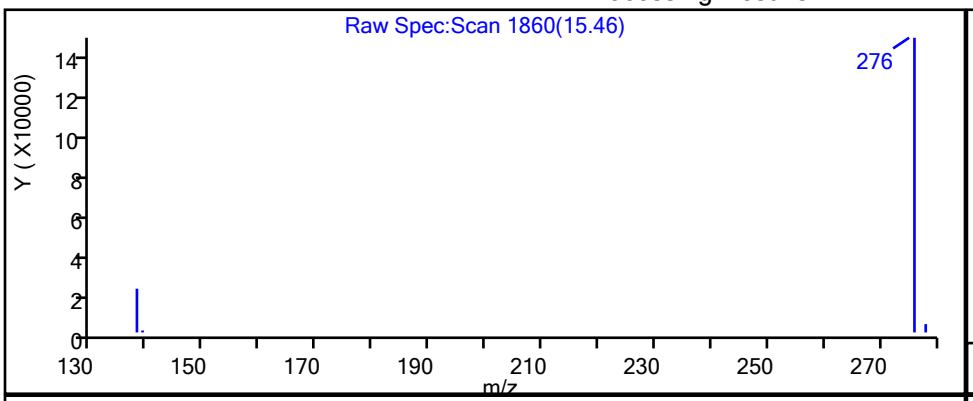
User Disabled Compound Report

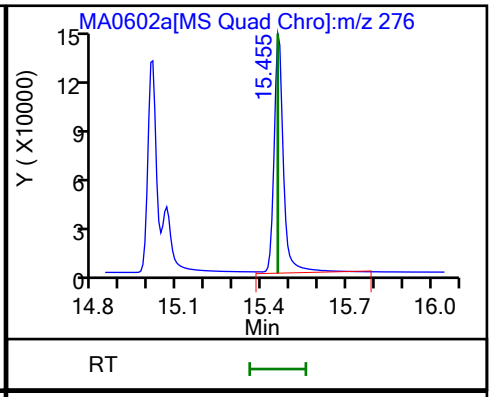
Eurofins Lancaster Laboratories Environment Testing, LLC

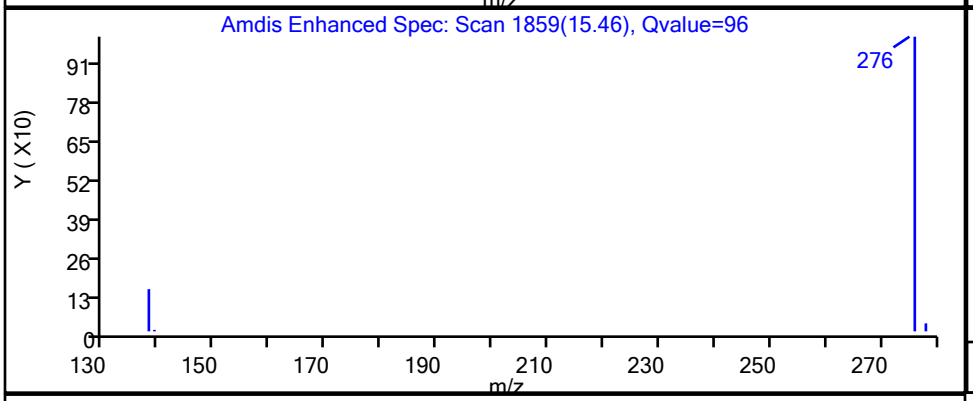
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

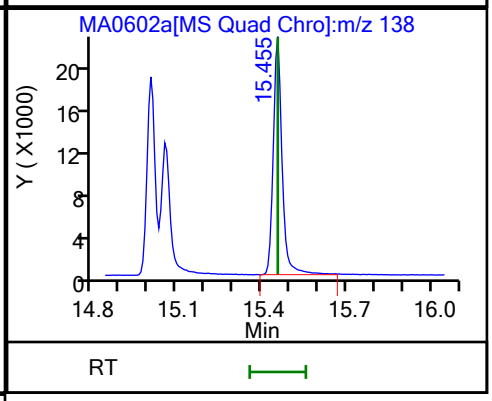
42 Benzo[g,h,i]perylene, CAS: 191-24-2

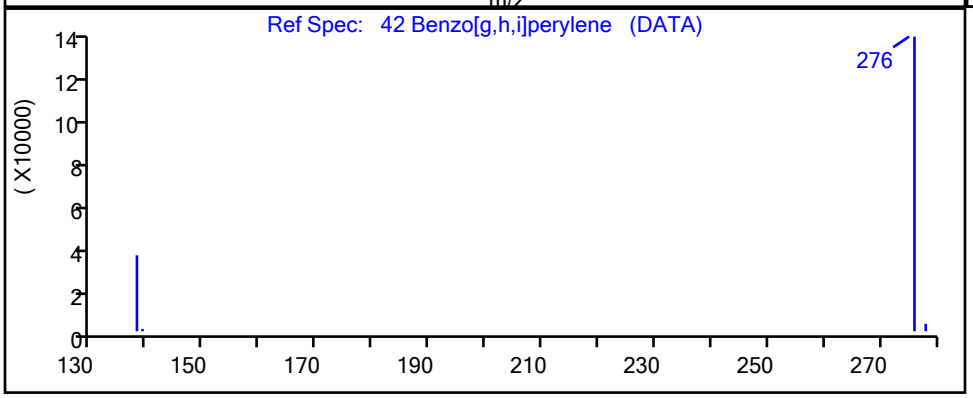
Processing Results











RT	Mass	Response	Amount
15.46	276.00	342325	0.191204
15.46	138.00	47672	

Reviewer: UCA2, 01-Feb-2023 09:25:40

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

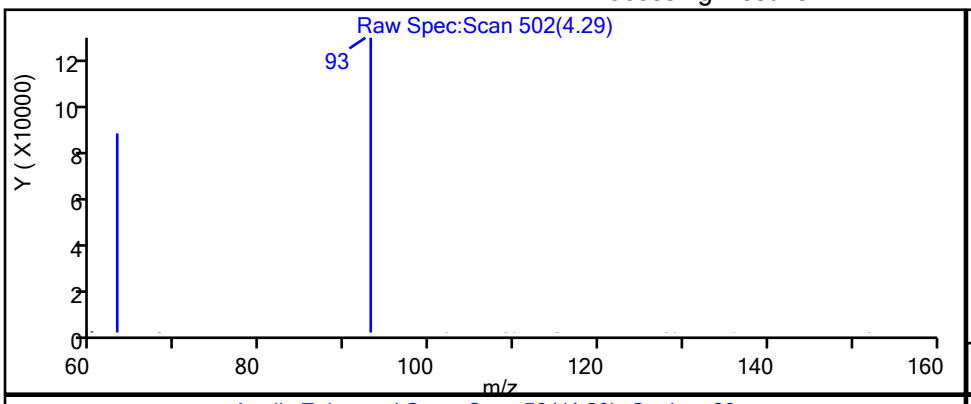
User Disabled Compound Report

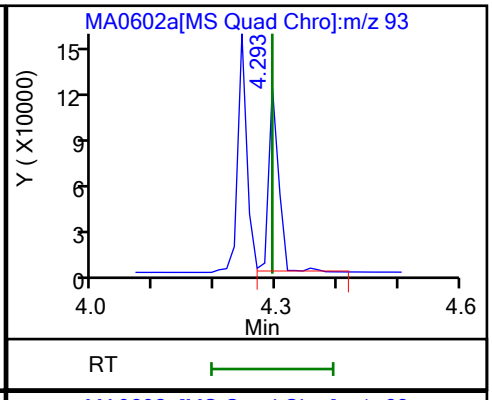
Eurofins Lancaster Laboratories Environment Testing, LLC

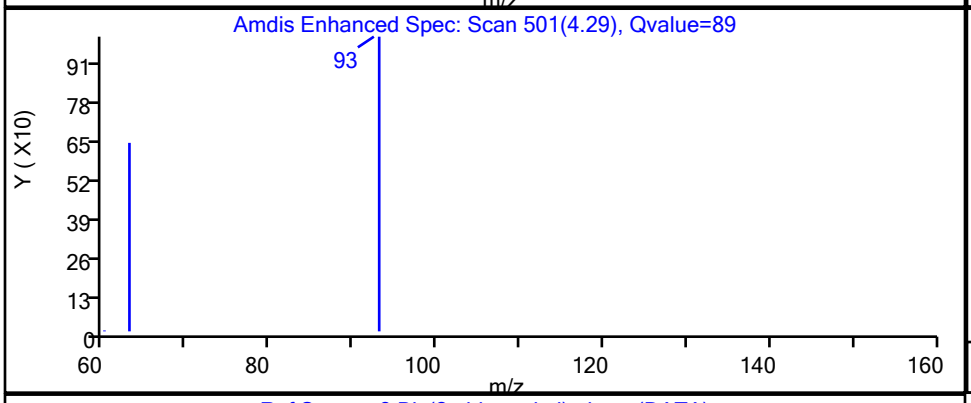
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

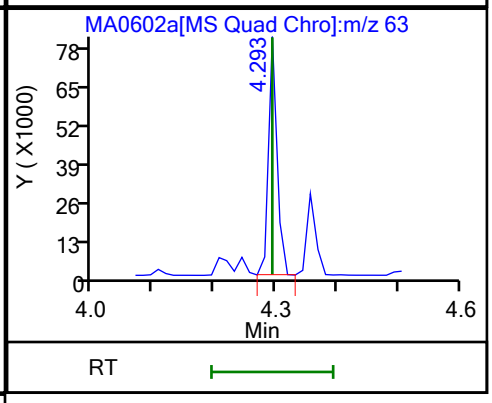
3 Bis(2-chloroethyl)ether, CAS: 111-44-4

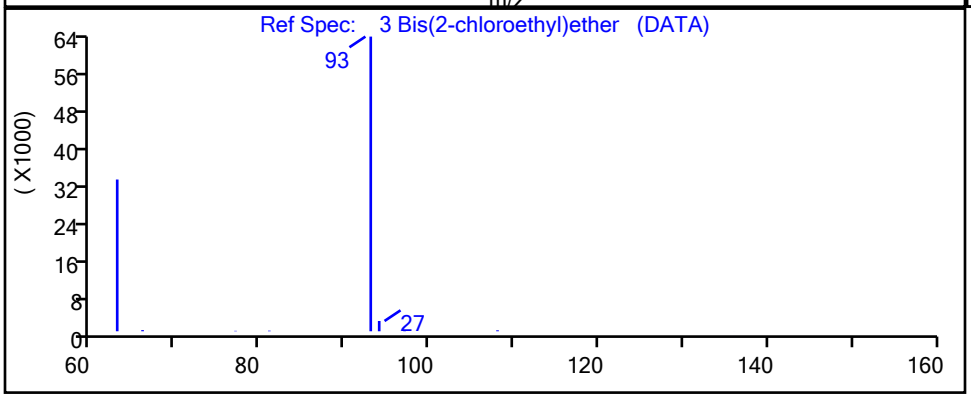
Processing Results











RT	Mass	Response	Amount
4.29	93.00	139158	0.360965
4.29	63.00	79279	

Reviewer: UCA2, 01-Feb-2023 09:25:11

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

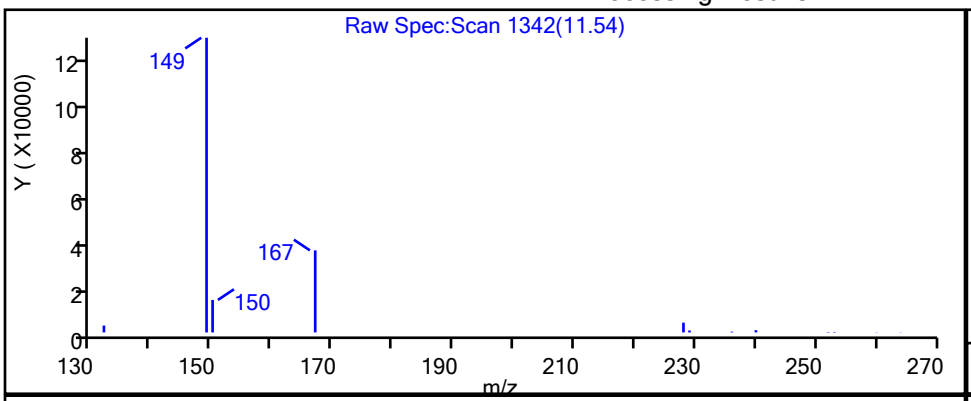
User Disabled Compound Report

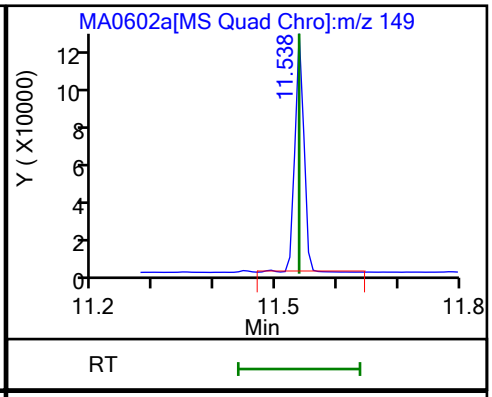
Eurofins Lancaster Laboratories Environment Testing, LLC

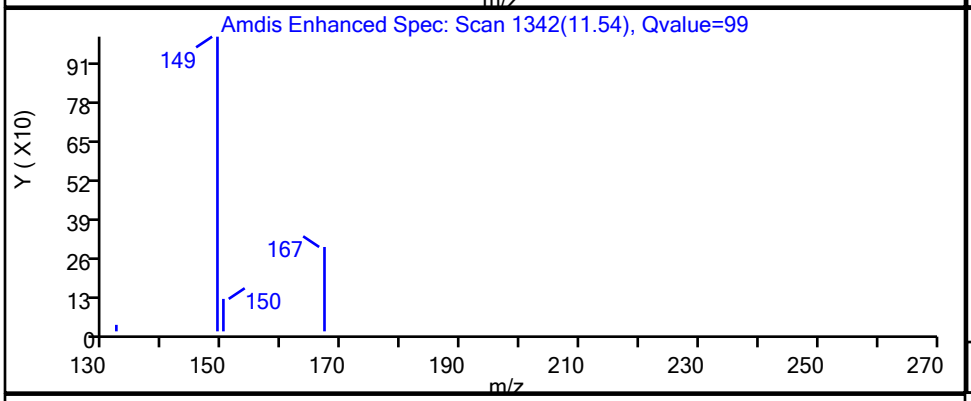
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

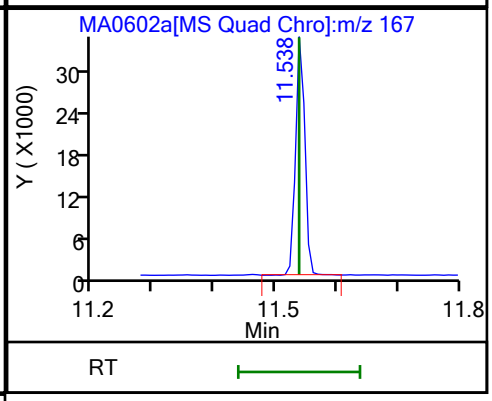
31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

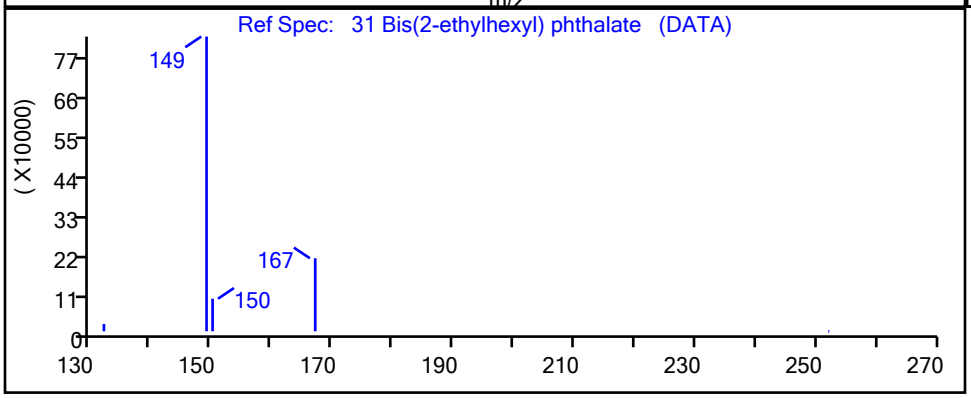
Processing Results











RT	Mass	Response	Amount
11.54	149.00	128255	0.183390
11.54	167.00	36476	

Reviewer: UCA2, 01-Feb-2023 09:25:33

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

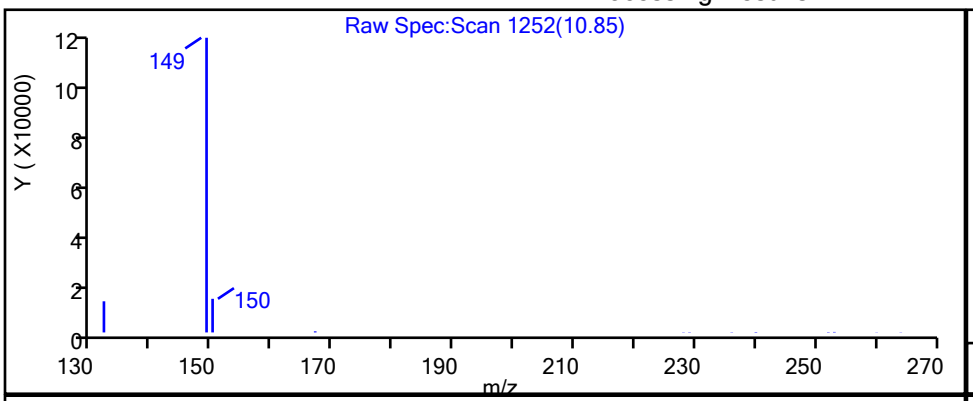
User Disabled Compound Report

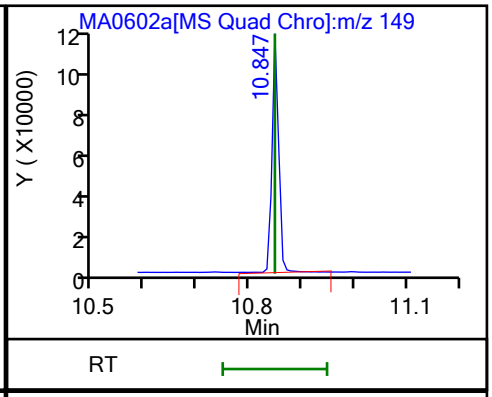
Eurofins Lancaster Laboratories Environment Testing, LLC

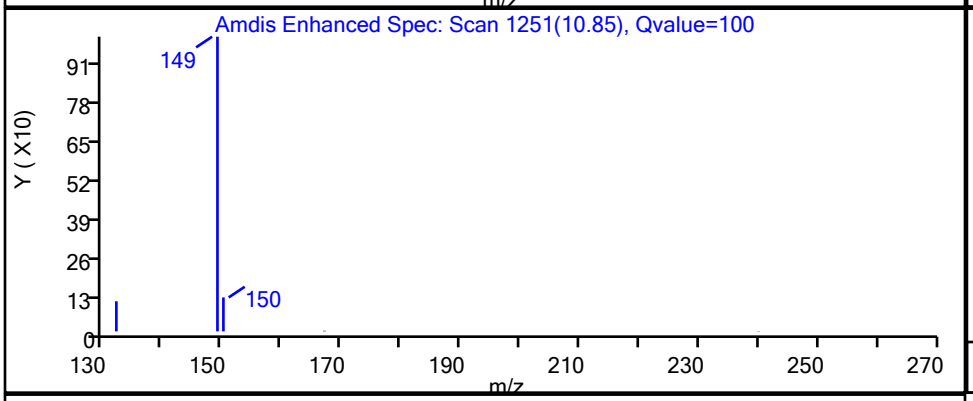
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

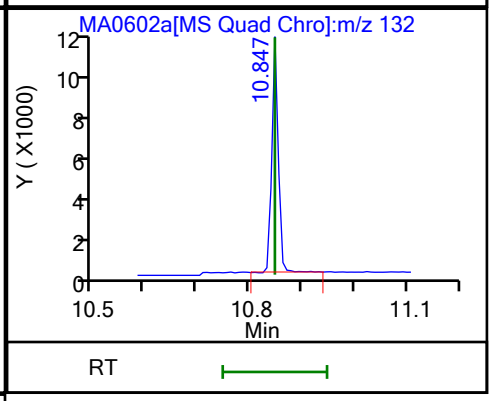
27 Butyl benzyl phthalate, CAS: 85-68-7

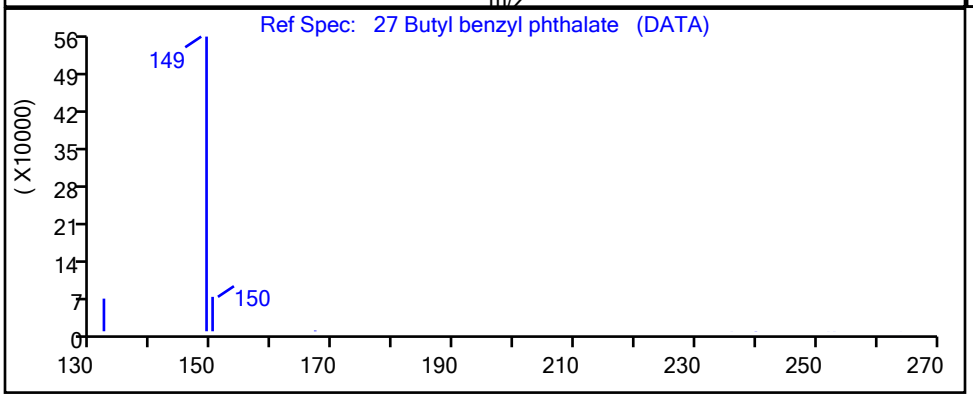
Processing Results











RT	Mass	Response	Amount
10.85	149.00	99497	0.189784
10.85	132.00	10203	

Reviewer: UCA2, 01-Feb-2023 09:25:29

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

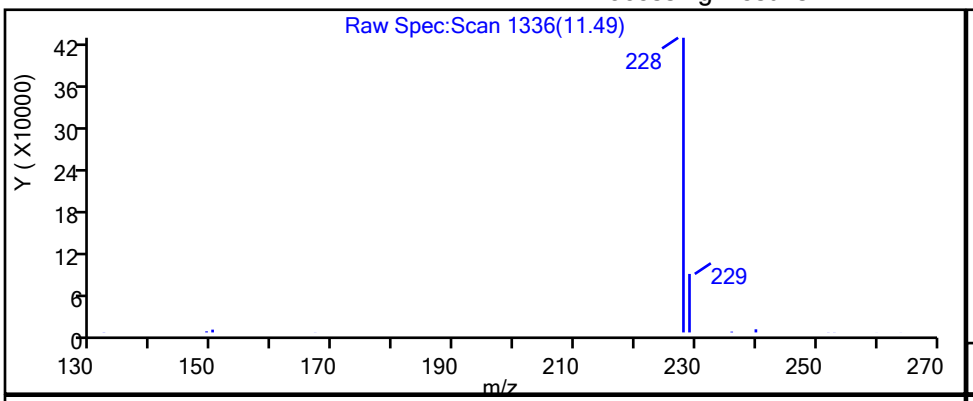
User Disabled Compound Report

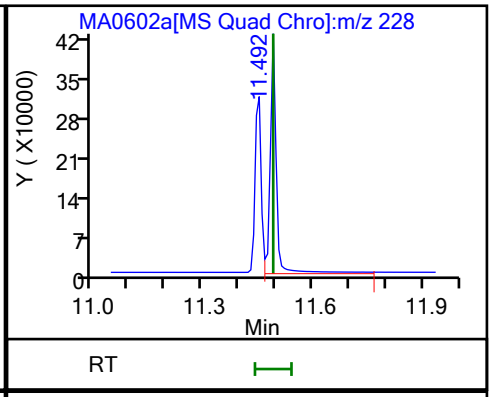
Eurofins Lancaster Laboratories Environment Testing, LLC

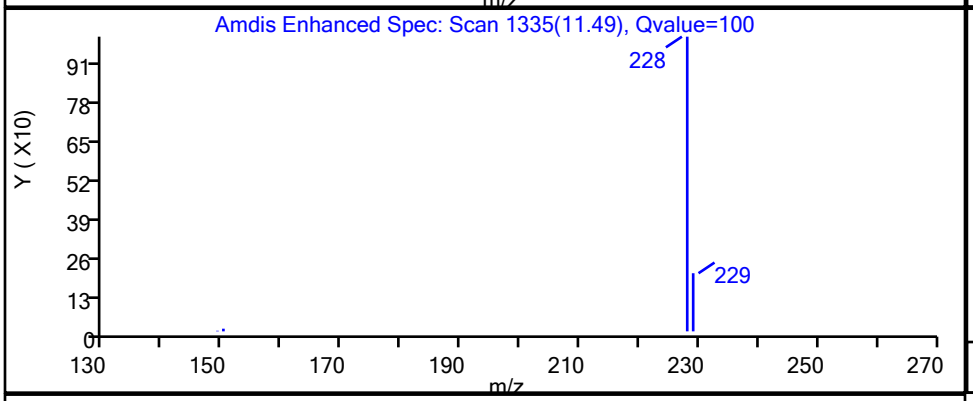
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

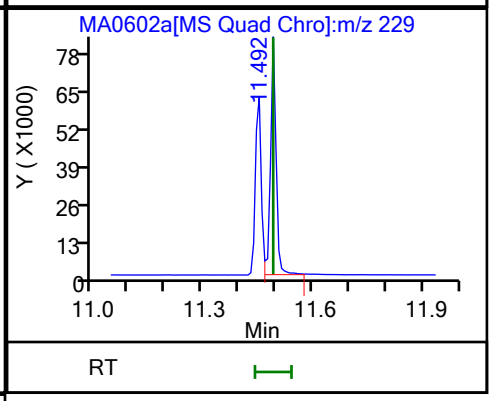
30 Chrysene, CAS: 218-01-9

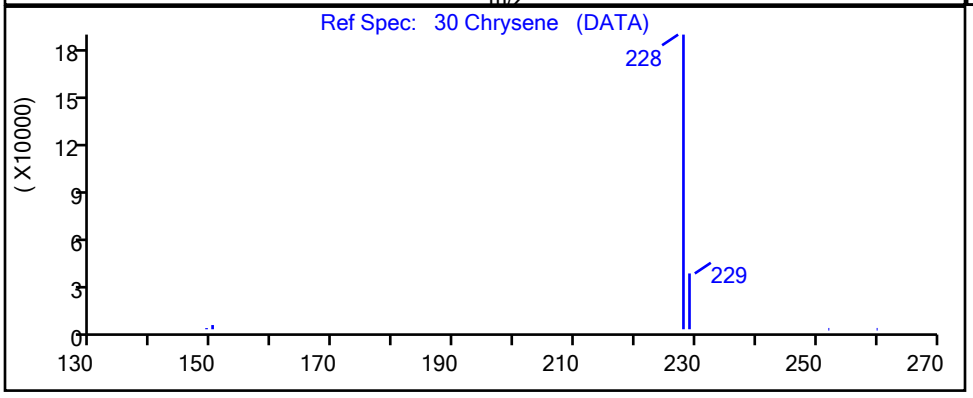
Processing Results











RT	Mass	Response	Amount
11.49	228.00	455684	0.256166
11.49	229.00	88177	

Reviewer: UCA2, 01-Feb-2023 09:25:32

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

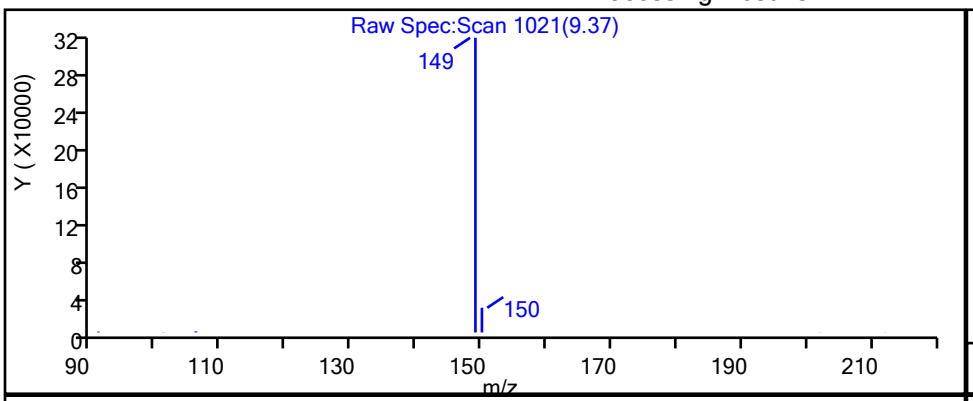
User Disabled Compound Report

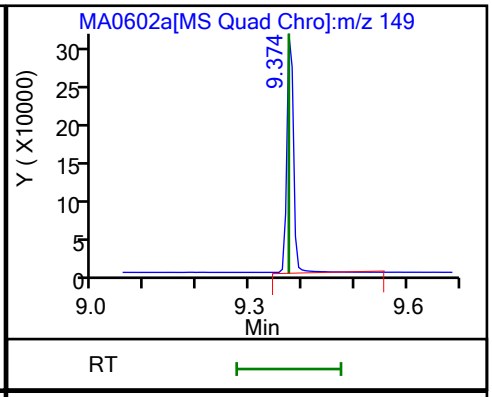
Eurofins Lancaster Laboratories Environment Testing, LLC

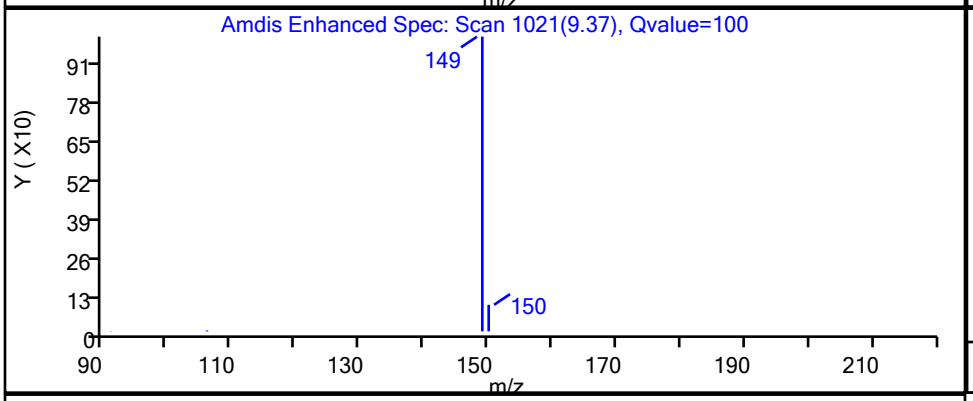
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

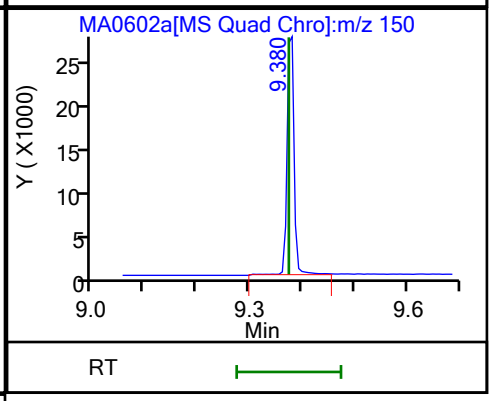
23 Di-n-butyl phthalate, CAS: 84-74-2

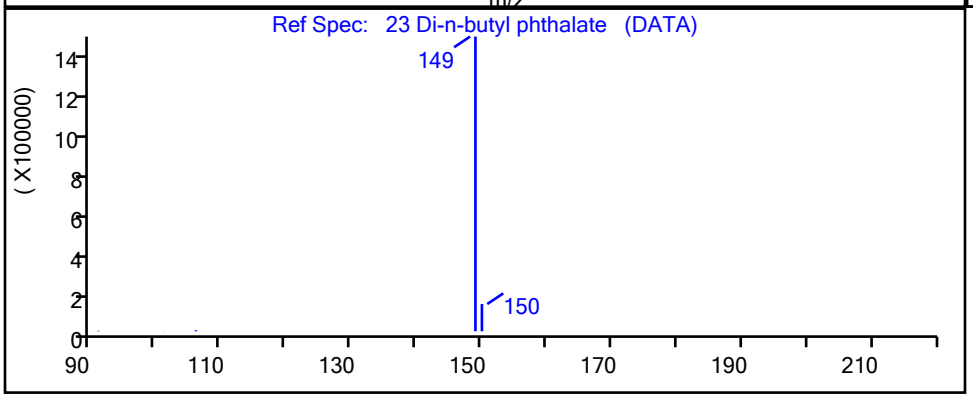
Processing Results











RT	Mass	Response	Amount
9.37	149.00	278943	0.226705
9.38	150.00	25489	

Reviewer: UCA2, 01-Feb-2023 09:25:27

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

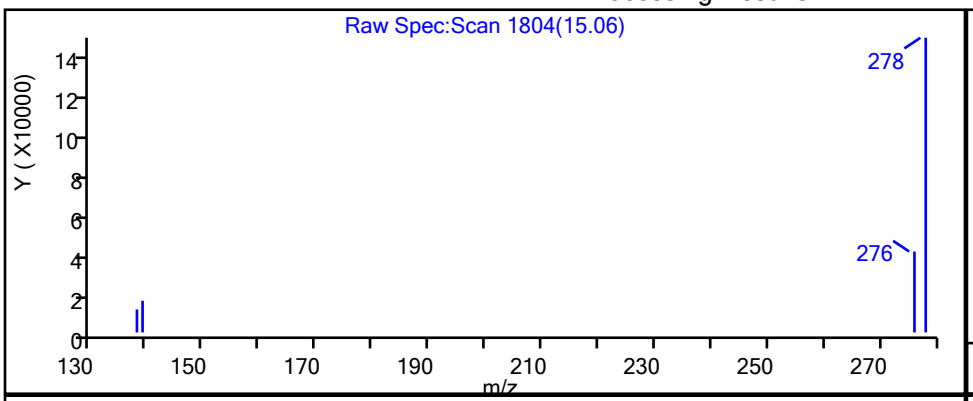
User Disabled Compound Report

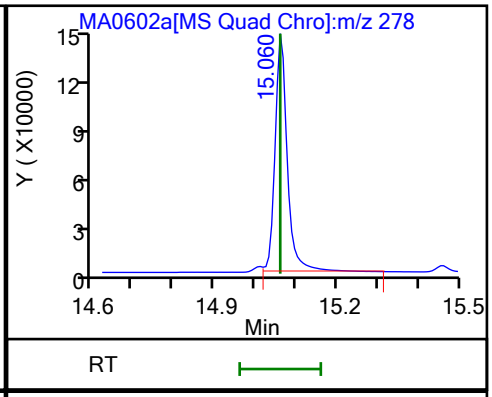
Eurofins Lancaster Laboratories Environment Testing, LLC

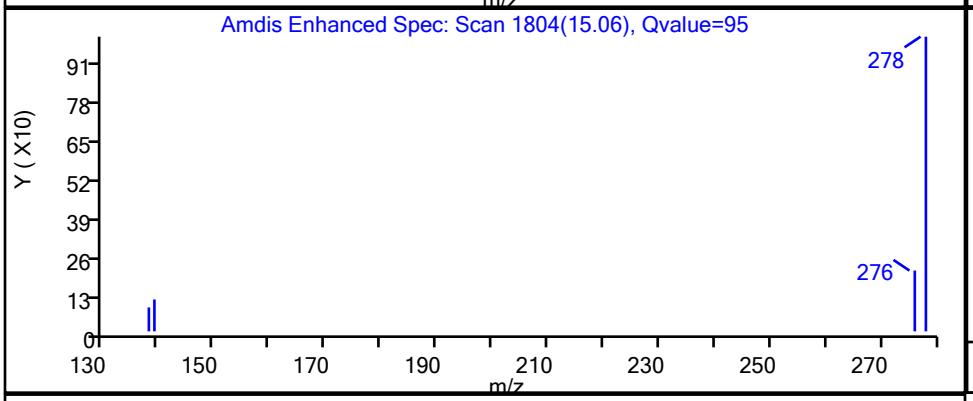
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

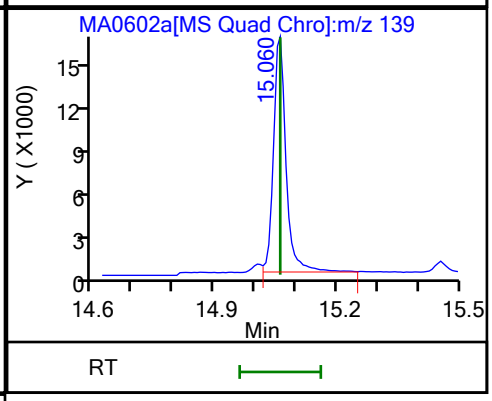
41 Dibenz(a,h)anthracene, CAS: 53-70-3

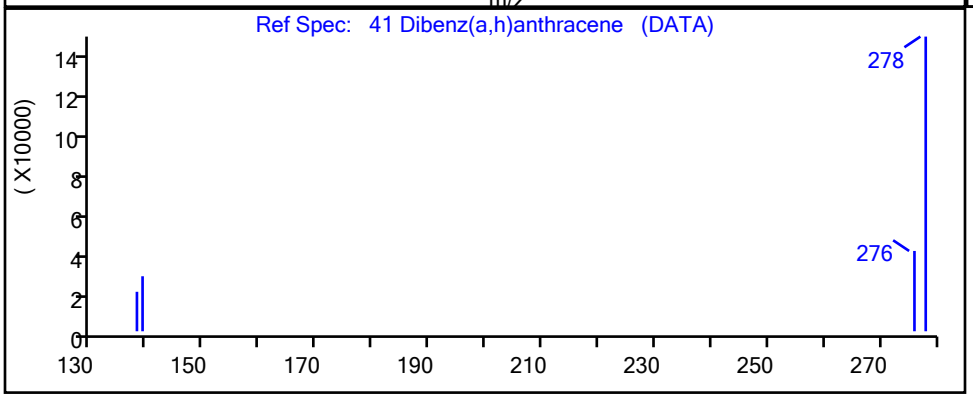
Processing Results











RT	Mass	Response	Amount
15.06	278.00	316566	0.191417
15.06	139.00	34519	

Reviewer: UCA2, 01-Feb-2023 09:25:39

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

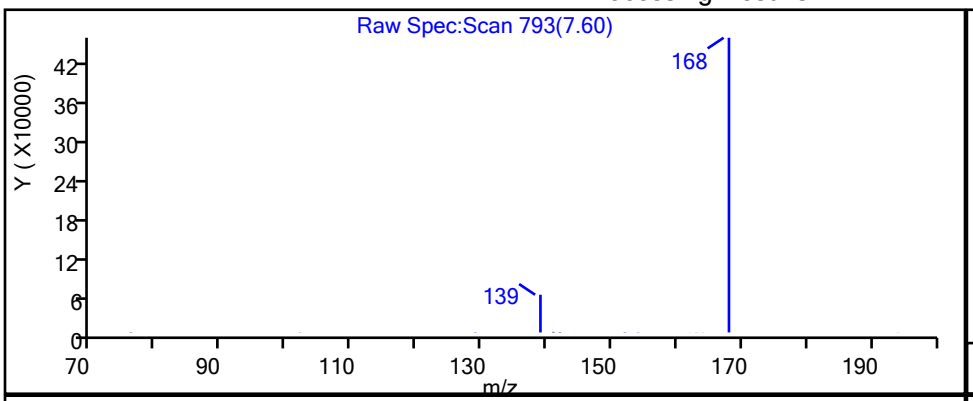
User Disabled Compound Report

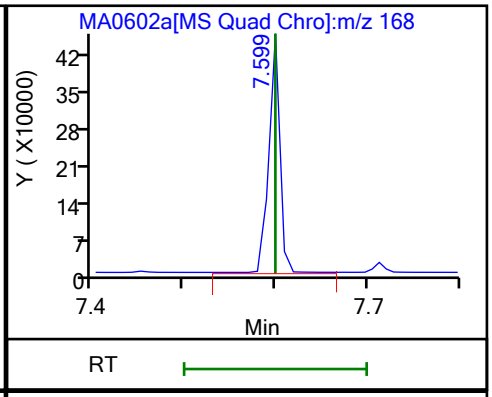
Eurofins Lancaster Laboratories Environment Testing, LLC

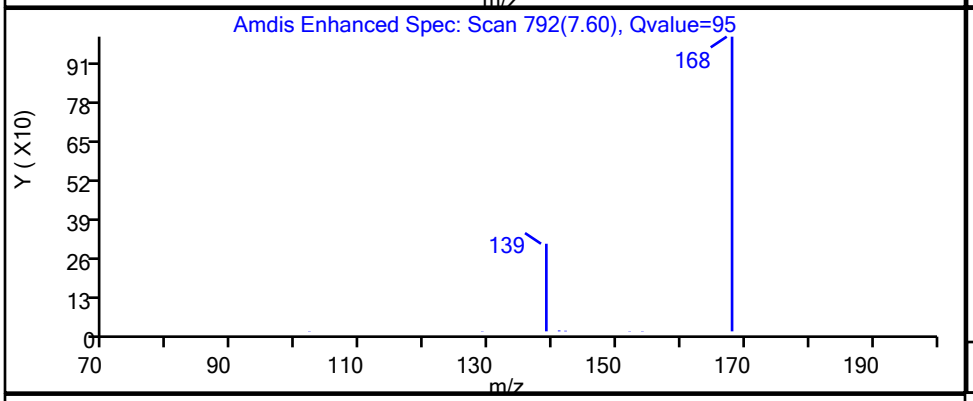
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

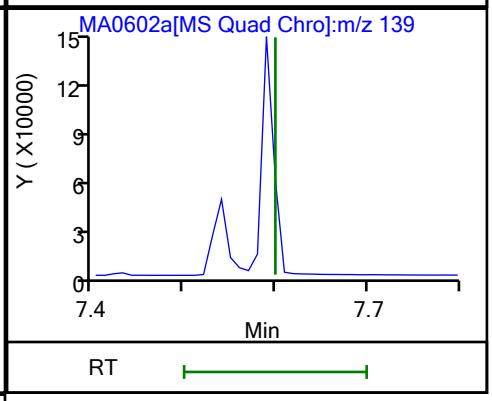
15 Dibenzofuran, CAS: 132-64-9

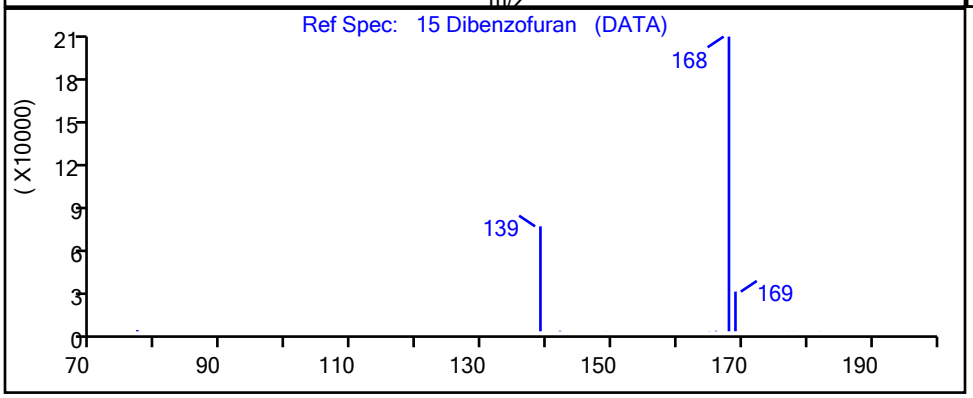
Processing Results











RT	Mass	Response	Amount
7.60	168.00	377275	0.257903
7.59	139.00	134553	

Reviewer: UCA2, 01-Feb-2023 09:25:22

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

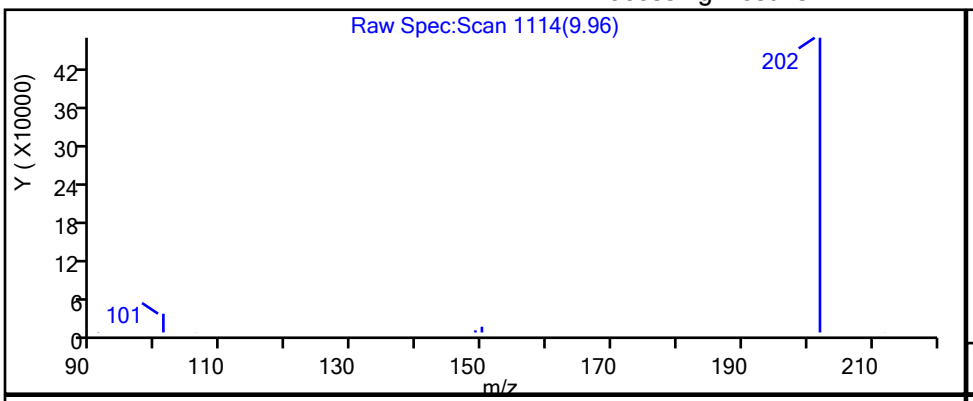
User Disabled Compound Report

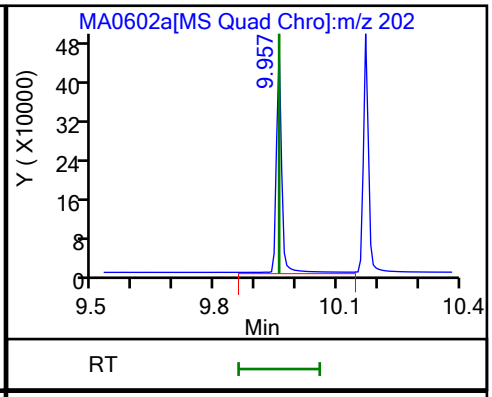
Eurofins Lancaster Laboratories Environment Testing, LLC

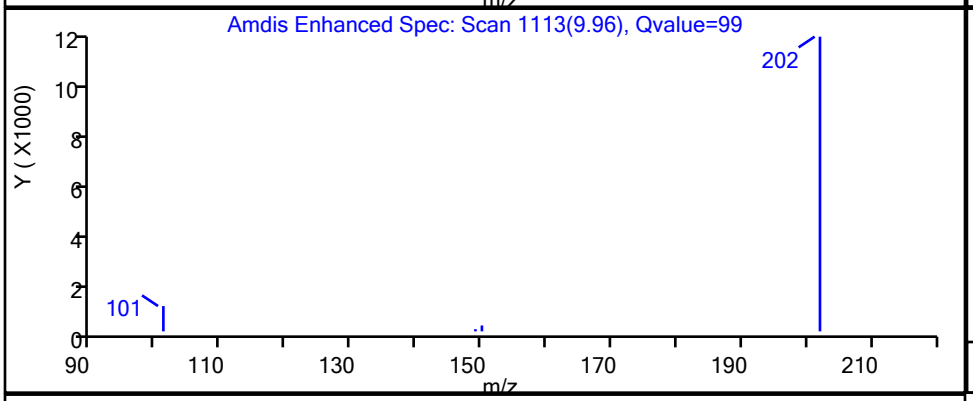
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

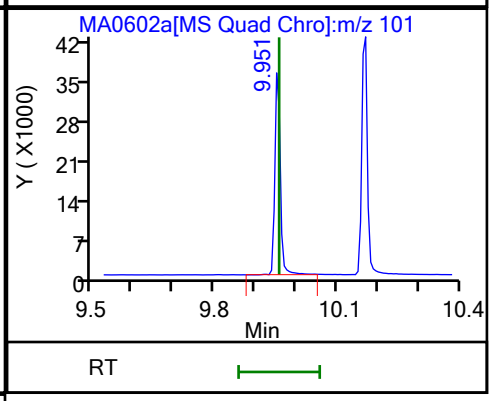
25 Fluoranthene, CAS: 206-44-0

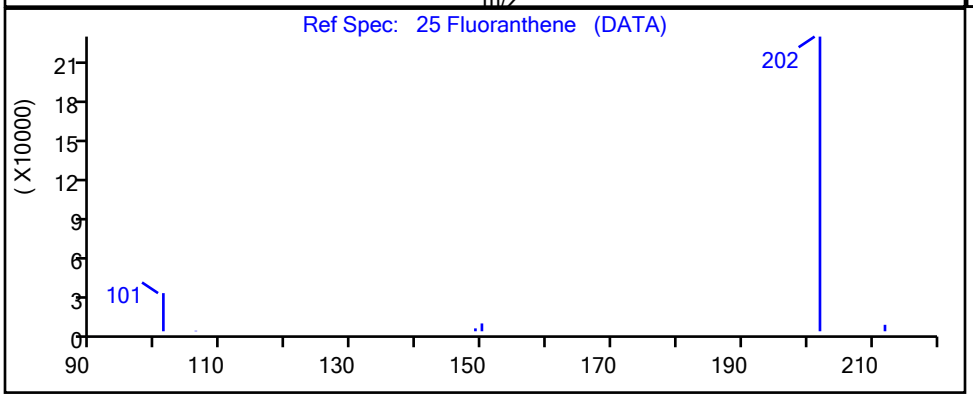
Processing Results











RT	Mass	Response	Amount
9.96	202.00	416427	0.235623
9.95	101.00	35148	

Reviewer: UCA2, 01-Feb-2023 09:25:28

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

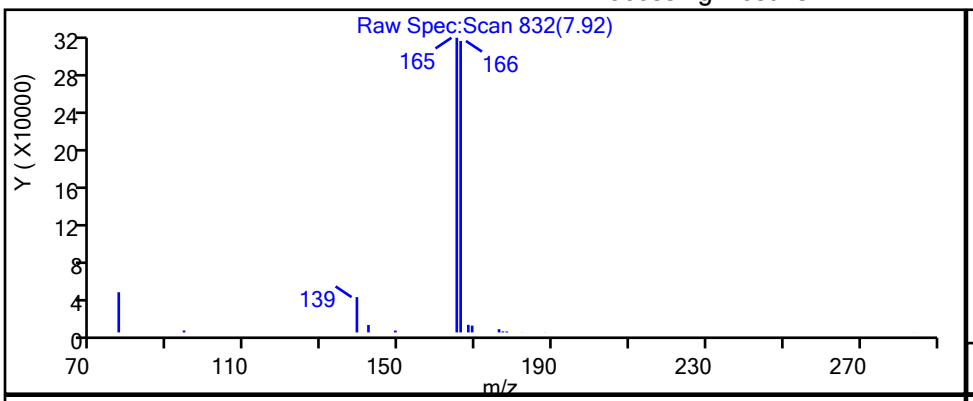
User Disabled Compound Report

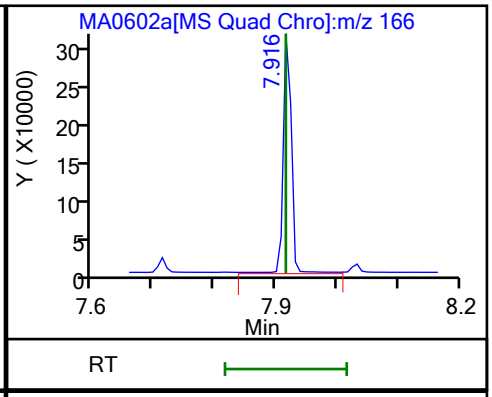
Eurofins Lancaster Laboratories Environment Testing, LLC

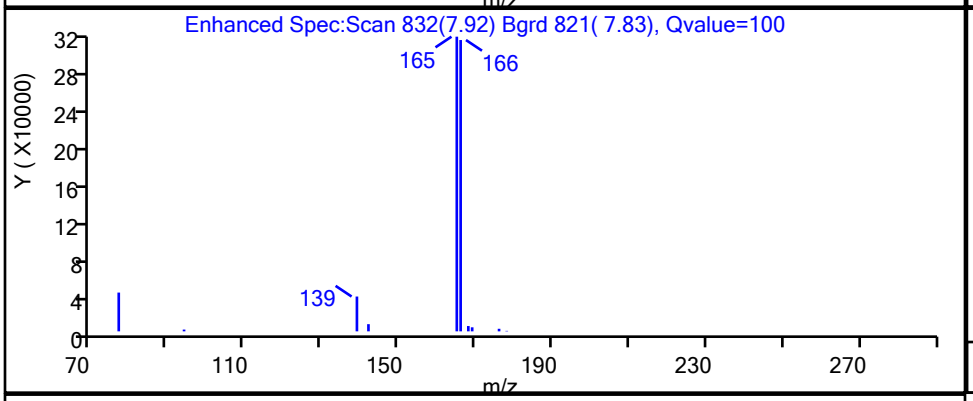
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

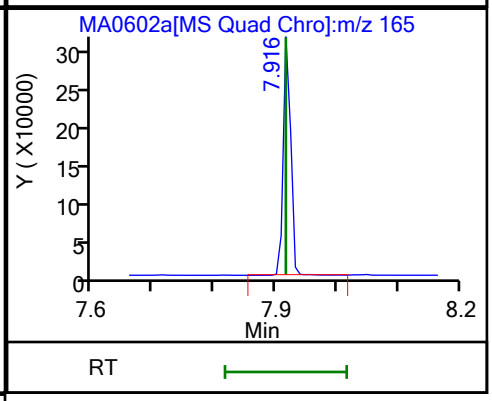
17 Fluorene, CAS: 86-73-7

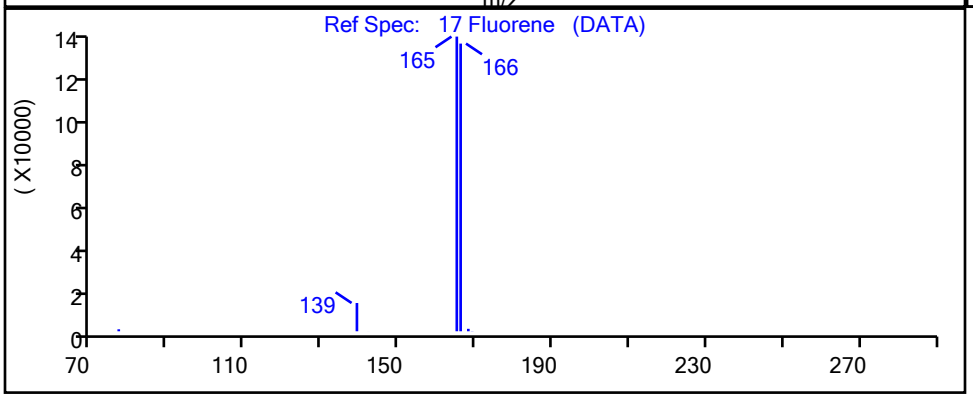
Processing Results











RT	Mass	Response	Amount
7.92	166.00	279678	0.256813
7.92	165.00	268724	

Reviewer: UCA2, 01-Feb-2023 09:25:23

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

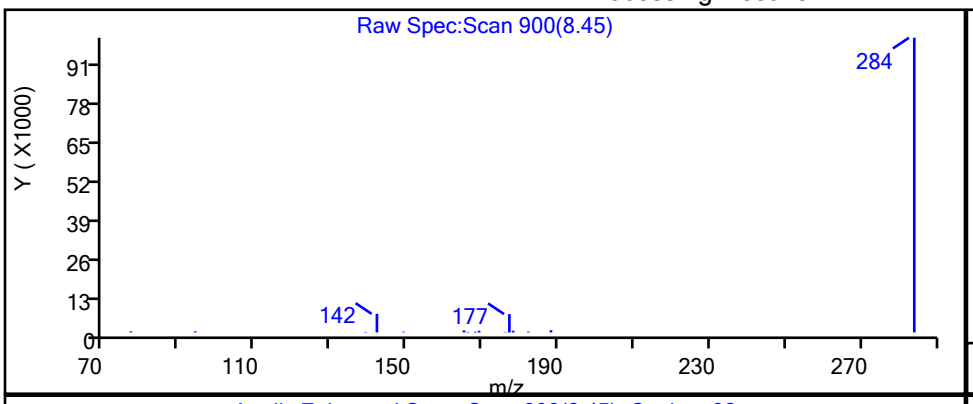
User Disabled Compound Report

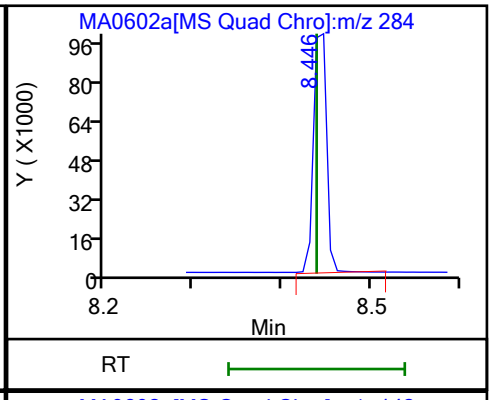
Eurofins Lancaster Laboratories Environment Testing, LLC

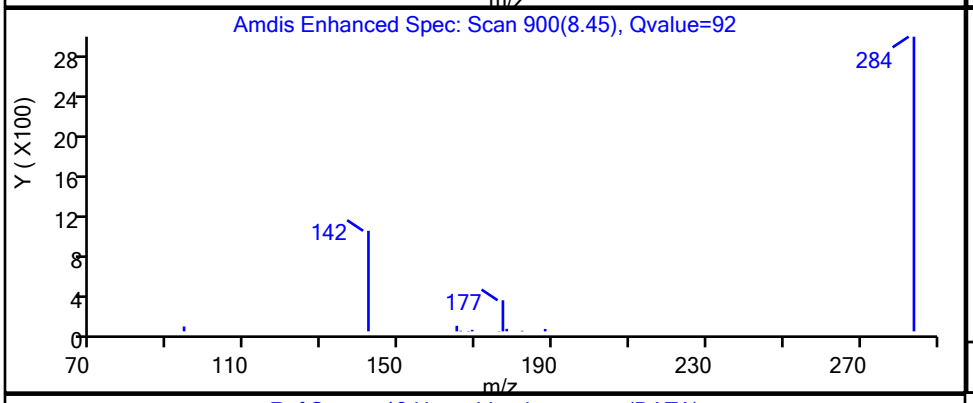
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

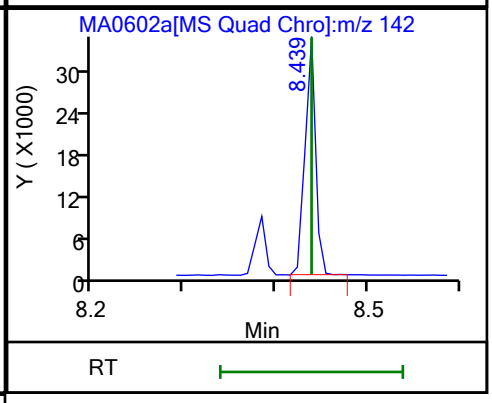
19 Hexachlorobenzene, CAS: 118-74-1

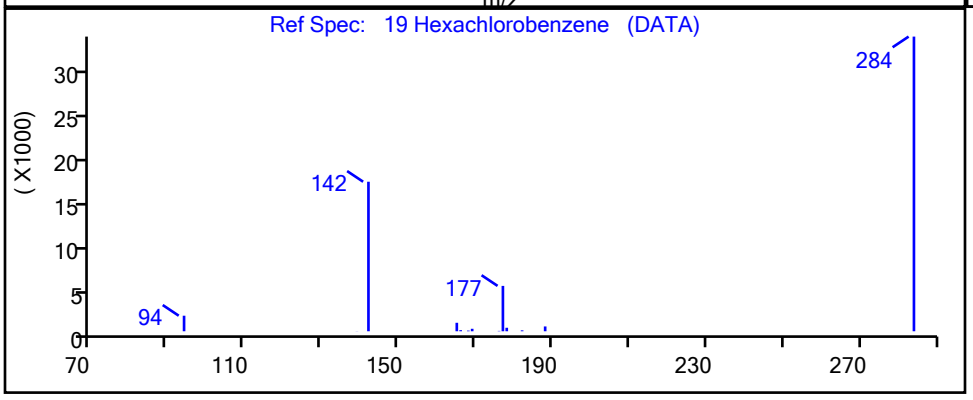
Processing Results











RT	Mass	Response	Amount
8.45	284.00	103803	0.249171
8.44	142.00	27866	

Reviewer: UCA2, 01-Feb-2023 09:25:24

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

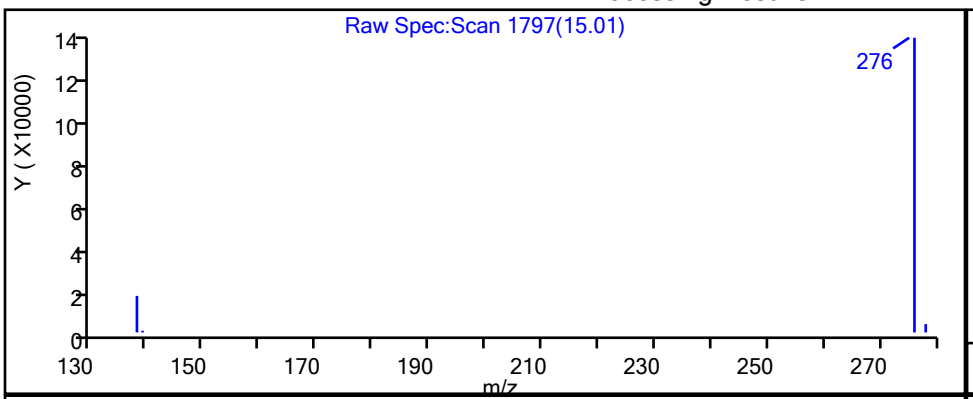
User Disabled Compound Report

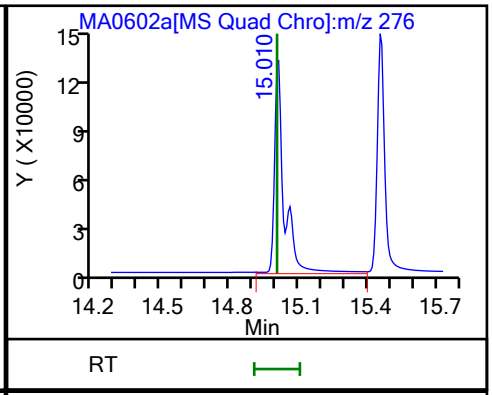
Eurofins Lancaster Laboratories Environment Testing, LLC

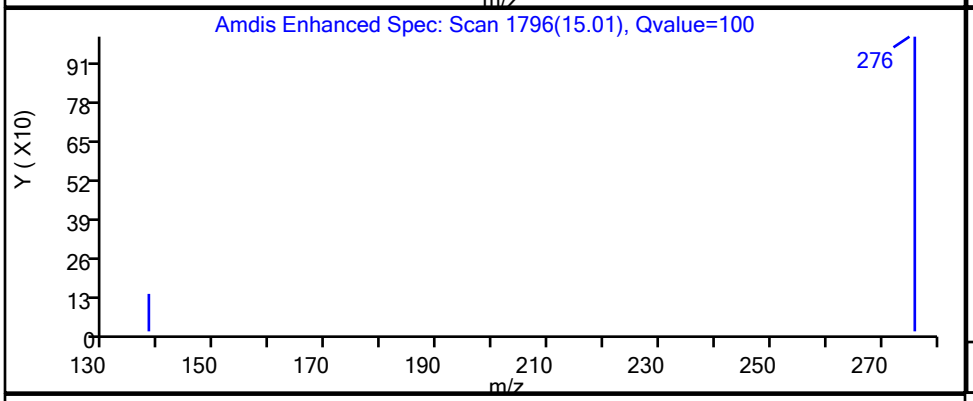
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

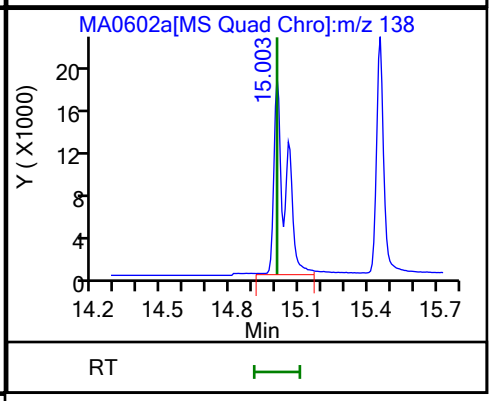
40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

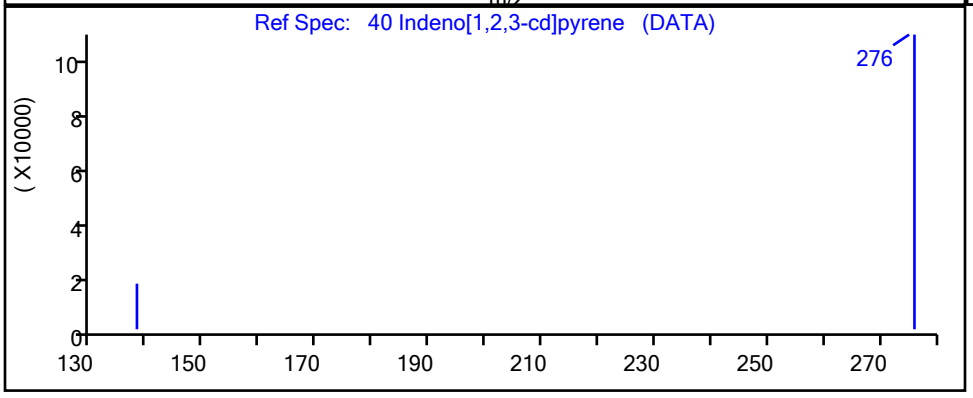
Processing Results











RT	Mass	Response	Amount
15.01	276.00	378610	0.256225
15.00	138.00	65232	

Reviewer: UCA2, 01-Feb-2023 09:25:38

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

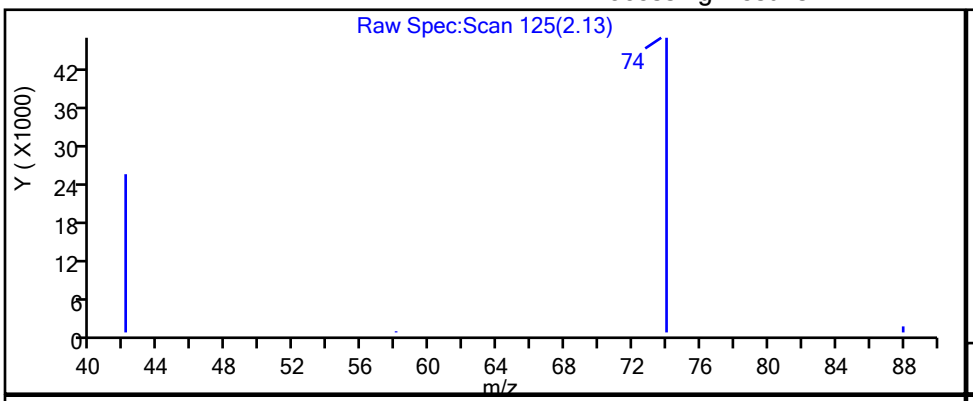
User Disabled Compound Report

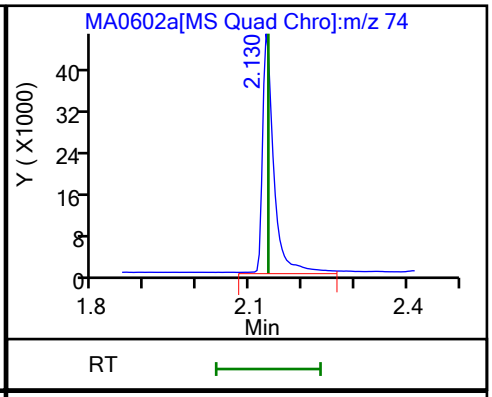
Eurofins Lancaster Laboratories Environment Testing, LLC

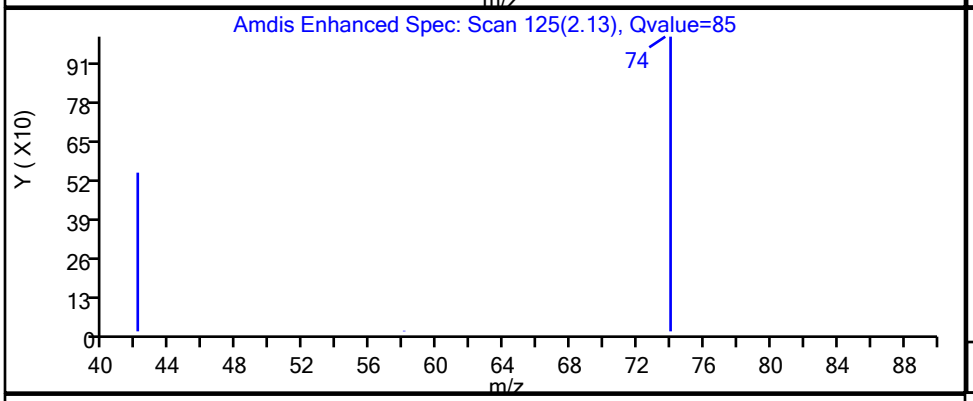
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

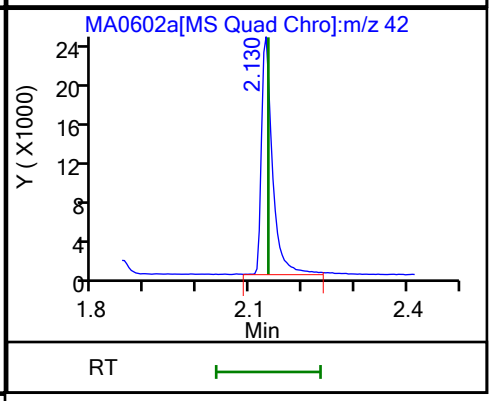
2 N-Nitrosodimethylamine, CAS: 62-75-9

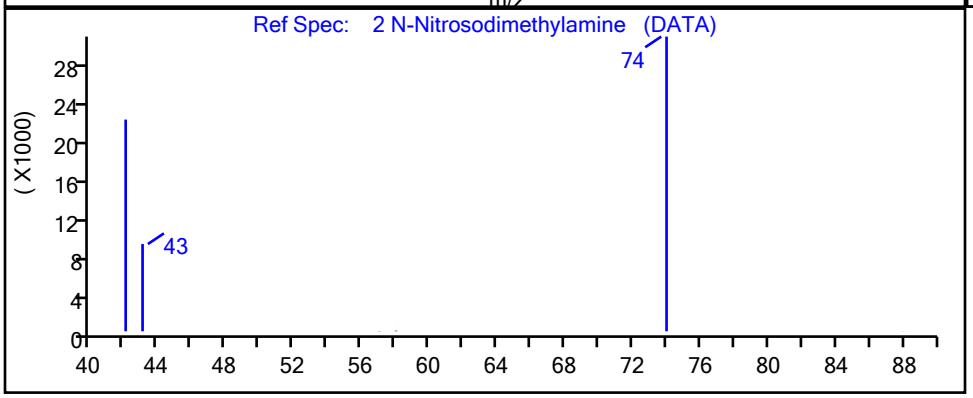
Processing Results











RT	Mass	Response	Amount
2.13	74.00	68568	0.397449
2.13	42.00	37081	

Reviewer: UCA2, 01-Feb-2023 09:25:09

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

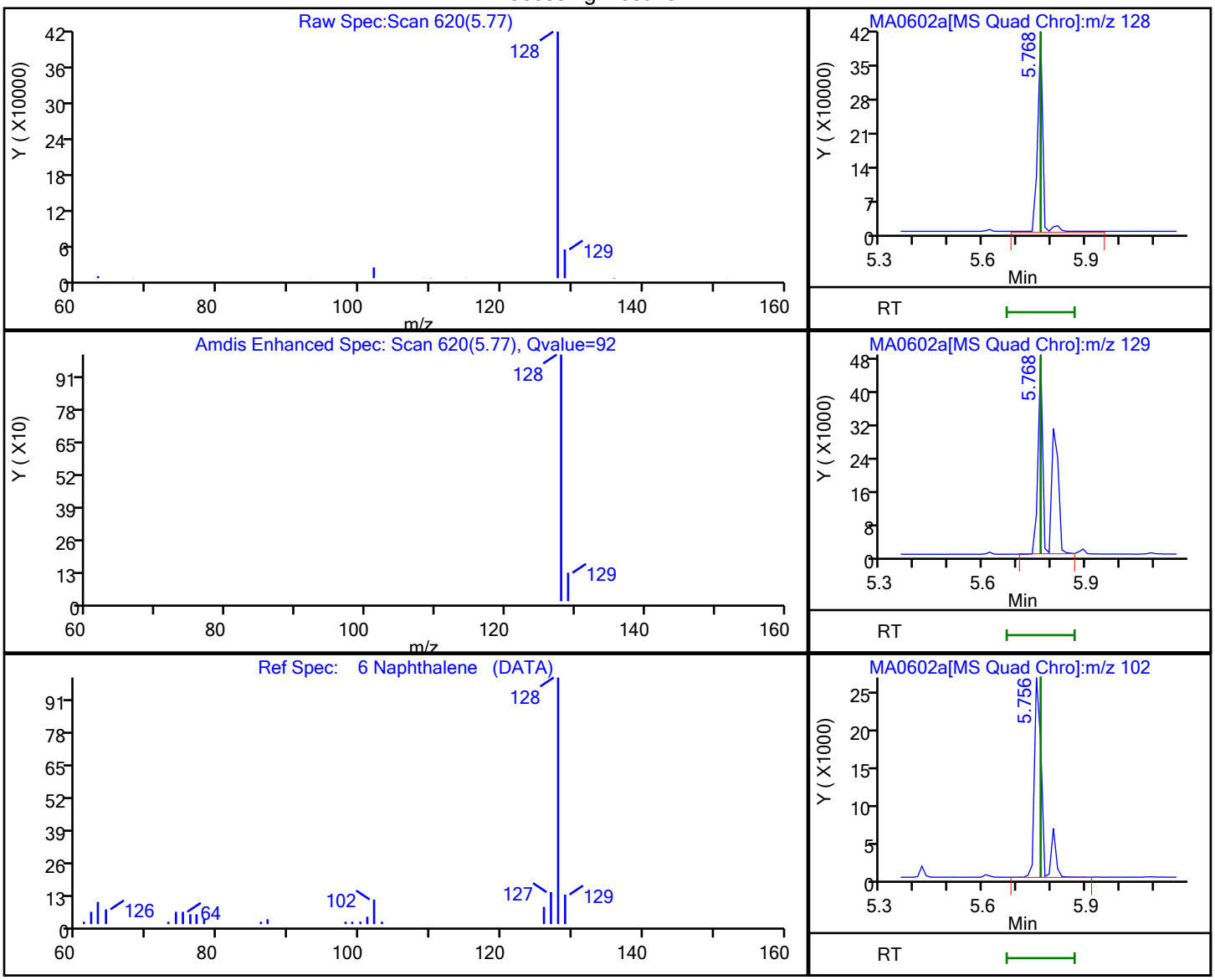
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
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		

6 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.77	128.00	423944	0.298981
5.77	129.00	86922	
5.76	102.00	41424	

Reviewer: UCA2, 01-Feb-2023 09:25:15

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

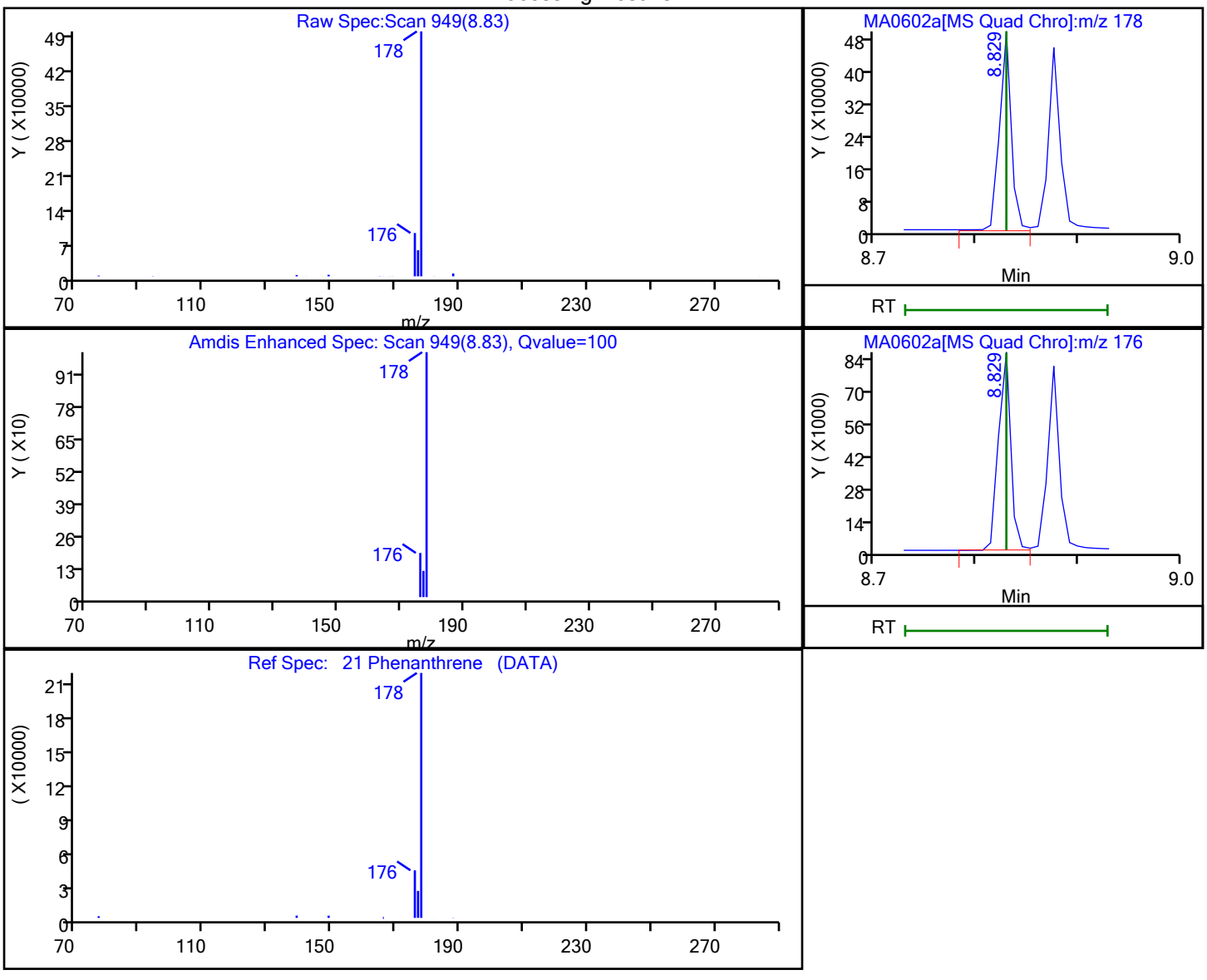
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
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		

21 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
8.83	178.00	392255	0.255624
8.83	176.00	73812	

Reviewer: UCA2, 01-Feb-2023 09:25:25

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

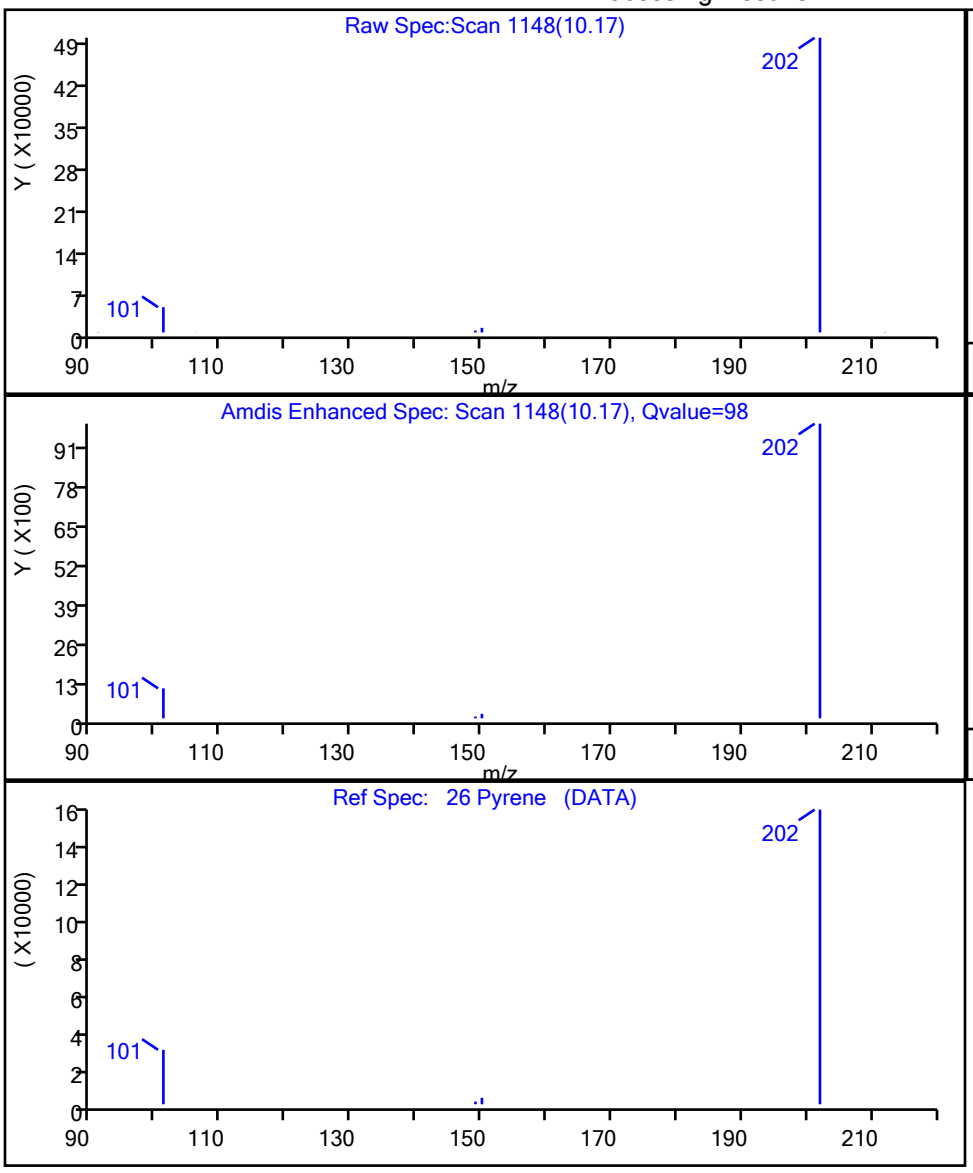
User Disabled Compound Report

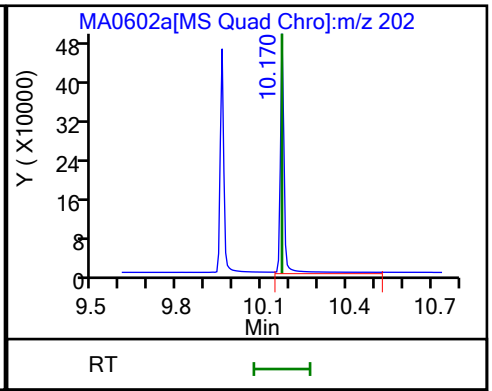
Eurofins Lancaster Laboratories Environment Testing, LLC

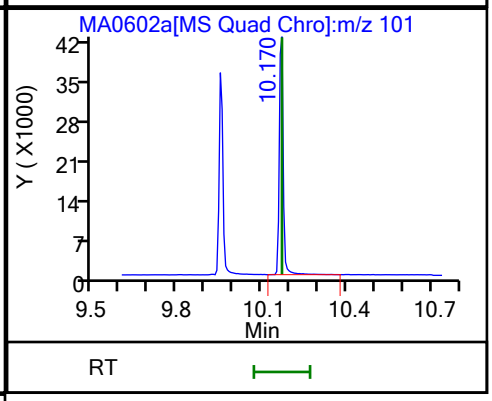
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0602a.D				
Injection Date:	31-Jan-2023 07:23:14	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

26 Pyrene, CAS: 129-00-0

Processing Results







RT	Mass	Response	Amount
10.17	202.00	440167	0.221302
10.17	101.00	43765	

Reviewer: UCA2, 01-Feb-2023 09:25:29

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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: CCVIS 410-347593/2 Calibration Date: 02/24/2023 04:03

Instrument ID: HP21585 Calib Start Date: 01/26/2023 07:56

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 01/26/2023 09:46

Lab File ID: MB0801.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4307	0.4772		0.554	0.500	10.8	20.0
N-Nitrosodimethylamine	Ave	0.3941	0.4750		0.603	0.500	20.5*	20.0
Bis(2-chloroethyl)ether	Ave	0.2703	0.3177		0.588	0.500	17.5	20.0
Naphthalene	Lin2		1.106		0.569	0.500	13.8	20.0
Quinoline	Ave	0.5883	0.6230		0.529	0.500	5.9	20.0
2-Methylnaphthalene	Ave	0.7339	0.7082		0.482	0.500	-3.5	20.0
1-Methylnaphthalene	Ave	0.6537	0.6496		0.497	0.500	-0.6	20.0
Dimethylphthalate	Ave	1.225	1.281		2.61	2.50	4.6	20.0
Acenaphthylene	Ave	1.730	1.796		0.519	0.500	3.8	20.0
Acenaphthene	Ave	1.111	1.100		0.495	0.500	-1.0	20.0
Dibenzofuran	Ave	1.836	1.701		0.463	0.500	-7.4	20.0
Diethylphthalate	Ave	1.061	1.073		2.53	2.50	1.2	20.0
Fluorene	Ave	1.367	1.276		0.467	0.500	-6.7	20.0
N-Nitrosodiphenylamine	Ave	0.4200	0.4689		0.558	0.500	11.6	20.0
Hexachlorobenzene	Ave	0.2835	0.2808		0.495	0.500	-0.9	20.0
Phenanthrene	Lin2		1.122		0.546	0.500	9.2	20.0
Anthracene	Ave	0.9845	1.049		0.533	0.500	6.5	20.0
Di-n-butyl phthalate	Ave	0.8373	0.9738		2.91	2.50	16.3	20.0
Fluoranthene	Ave	1.203	1.269		0.528	0.500	5.5	20.0
Pyrene	Ave	1.508	1.435		0.476	0.500	-4.8	20.0
Butylbenzylphthalate	Ave	0.3974	0.4614		2.90	2.50	16.1	20.0
Benzo[a]anthracene	Ave	1.209	1.312		0.542	0.500	8.5	20.0
Chrysene	Ave	1.349	1.349		0.500	0.500	0.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5302	0.6423		3.03	2.50	21.2*	20.0
Di-n-octyl phthalate	Ave	0.7787	0.9063		2.91	2.50	16.4	20.0
Benzo[b]fluoranthene	Ave	1.191	1.214		0.510	0.500	1.9	20.0
Benzo[k]fluoranthene	Ave	1.187	1.184		0.499	0.500	-0.3	20.0
Benzo[e]pyrene	Ave	1.172	1.183		0.505	0.500	0.9	20.0
Benzo[a]pyrene	Ave	1.062	1.155		0.544	0.500	8.8	20.0
Perylene	Ave	1.176	1.187		0.505	0.500	0.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.094	1.256		0.574	0.500	14.9	20.0
Dibenz(a,h)anthracene	Ave	1.224	1.352		0.552	0.500	10.5	20.0
Benzo[g,h,i]perylene	Ave	1.325	1.440		0.543	0.500	8.7	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.5182	0.5407		0.522	0.500	4.3	20.0
Fluoranthene-d10 (Surr)	Ave	0.9599	1.073		0.559	0.500	11.8	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.8223	0.9284		0.565	0.500	12.9	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0801.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Feb-2023 04:03:16 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L4
Misc. Info.: 410-0077710-002, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 24-Feb-2023 04:26:33 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: UJM0 Date: 24-Feb-2023 04:26:29

	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	1.806	1.806	0.000	84	82611	0.5000	0.5539	M
	2 N-Nitrosodimethylamine	74	2.087	2.087	0.000	83	82240	0.5000	0.6027	
	3 Bis(2-chloroethyl)ether	93	4.281	4.281	0.000	92	179111	0.5000	0.5876	
*	4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	86	86566	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.743	5.743	0.000	91	281924	0.2500	0.2500	
	6 Naphthalene	128	5.756	5.756	0.000	93	623539	0.5000	0.5688	
	7 Quinoline	129	6.068	6.068	0.000	98	351295	0.5000	0.5295	
	8 2-Methylnaphthalene	142	6.411	6.411	0.000	97	399329	0.5000	0.4825	
$	9 1-Methylnaphthalene-d10	152	6.470	6.470	0.000	97	304861	0.5000	0.5217	
	10 1-Methylnaphthalene	142	6.500	6.500	0.000	97	366295	0.5000	0.4969	
	11 Dimethyl phthalate	163	7.150	7.150	0.000	75	1892368	2.50	2.61	
	12 Acenaphthylene	152	7.258	7.258	0.000	98	530758	0.5000	0.5191	
*	13 Acenaphthene-d10	164	7.396	7.396	0.000	96	147739	0.2500	0.2500	
	14 Acenaphthene	154	7.426	7.426	0.000	89	325090	0.5000	0.4950	
	15 Dibenzofuran	168	7.593	7.593	0.000	96	502480	0.5000	0.4632	
	16 Diethyl phthalate	149	7.818	7.818	0.000	97	1585498	2.50	2.53	
	17 Fluorene	166	7.920	7.920	0.000	98	376934	0.5000	0.4667	
	18 N-Nitrosodiphenylamine	169	8.029	8.029	0.000	100	230697	0.5000	0.5582	
	19 Hexachlorobenzene	284	8.443	8.443	0.000	88	138158	0.5000	0.4953	
*	20 Phenanthrene-d10	188	8.809	8.809	0.000	95	245996	0.2500	0.2500	
	21 Phenanthrene	178	8.825	8.825	0.000	100	551957	0.5000	0.5460	
	22 Anthracene	178	8.880	8.880	0.000	100	515945	0.5000	0.5326	
	23 Di-n-butyl phthalate	149	9.378	9.378	0.000	100	2395626	2.50	2.91	
$	24 Fluoranthene-d10 (Surr)	212	9.942	9.942	0.000	97	527793	0.5000	0.5588	
	25 Fluoranthene	202	9.961	9.961	0.000	99	624250	0.5000	0.5275	
	26 Pyrene	202	10.174	10.174	0.000	98	651545	0.5000	0.4758	
	27 Butyl benzyl phthalate	149	10.845	10.845	0.000	100	1047592	2.50	2.90	
	28 Benzo[a]anthracene	228	11.443	11.443	0.000	100	595591	0.5000	0.5424	
*	29 Chrysene-d12	240	11.451	11.451	0.000	96	227028	0.2500	0.2500	
	30 Chrysene	228	11.482	11.482	0.000	100	612462	0.5000	0.5001	

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	11.528	11.528	0.000	100	1458232	2.50	3.03	
32 Di-n-octyl phthalate	149	12.387	12.387	0.000	100	2595731	2.50	2.91	
33 Benzo[b]fluoranthene	252	12.839	12.839	0.000	100	695162	0.5000	0.5096	
34 Benzo[k]fluoranthene	252	12.877	12.877	0.000	100	677932	0.5000	0.4987	
35 Benzo[e]pyrene	252	13.223	13.223	0.000	100	677411	0.5000	0.5047	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.261	13.261	0.000	100	531800	0.5000	0.5645	
37 Benzo[a]pyrene	252	13.292	13.292	0.000	100	661743	0.5000	0.5438	
* 38 Perylene-d12	264	13.376	13.376	0.000	100	286408	0.2500	0.2500	
39 Perylene	252	13.414	13.414	0.000	100	679900	0.5000	0.5046	
40 Indeno[1,2,3-cd]pyrene	276	14.966	14.966	0.000	99	719678	0.5000	0.5744	M
41 Dibenz(a,h)anthracene	278	15.022	15.022	0.000	96	774568	0.5000	0.5524	
42 Benzo[g,h,i]perylene	276	15.411	15.411	0.000	96	824933	0.5000	0.5434	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00027 Amount Added: 1.00 Units: mL

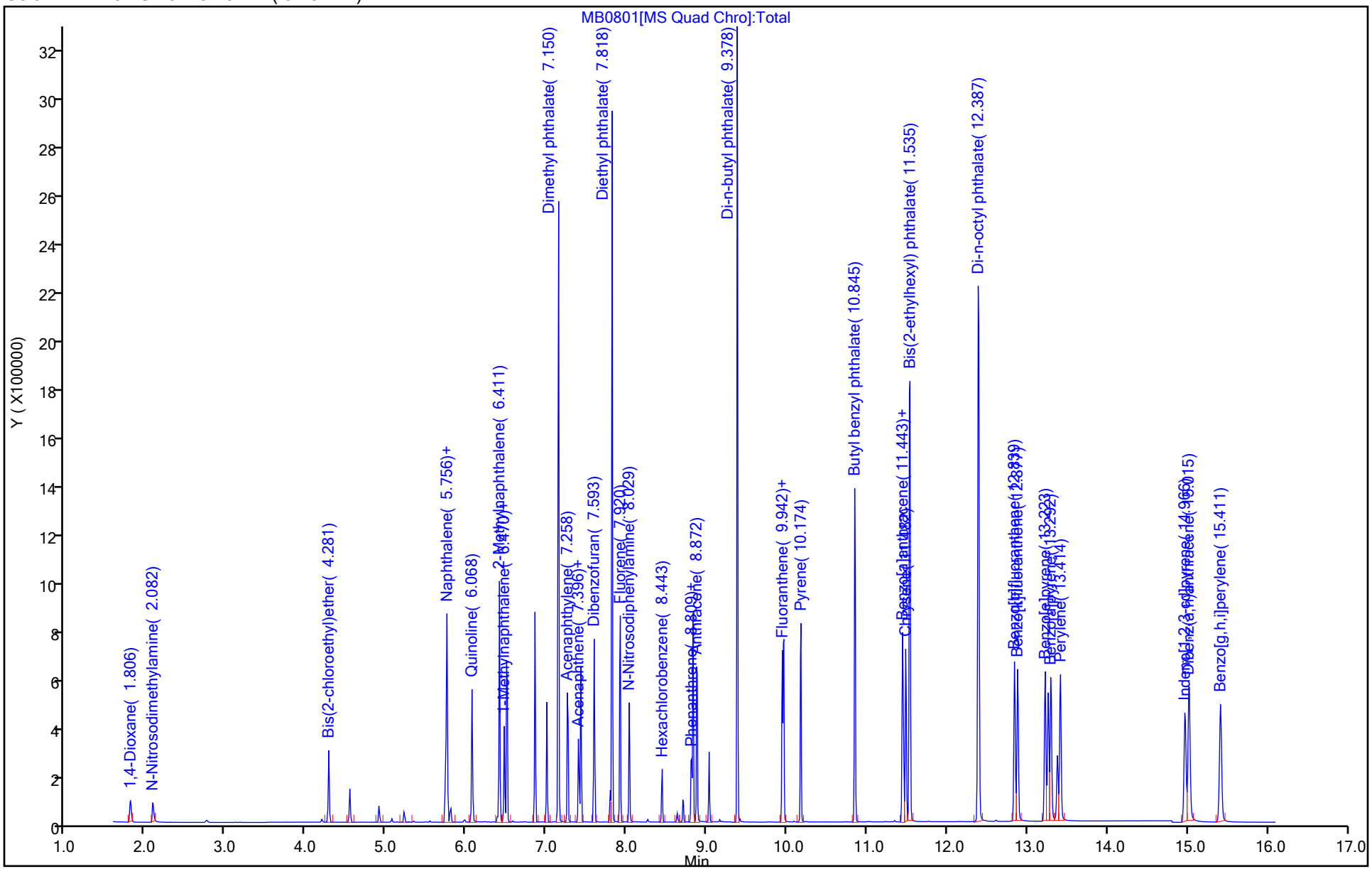
Report Date: 24-Feb-2023 04:26:33 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0801.D

Injection Date:	24-Feb-2023 04:03:16	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

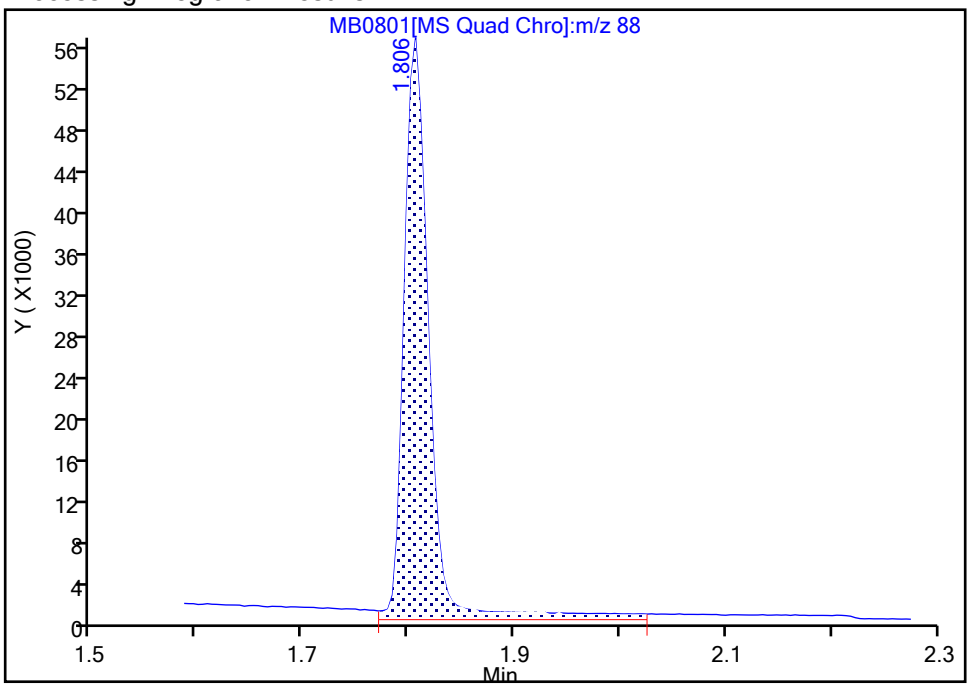
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0801.D				
Injection Date:	24-Feb-2023 04:03:16	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

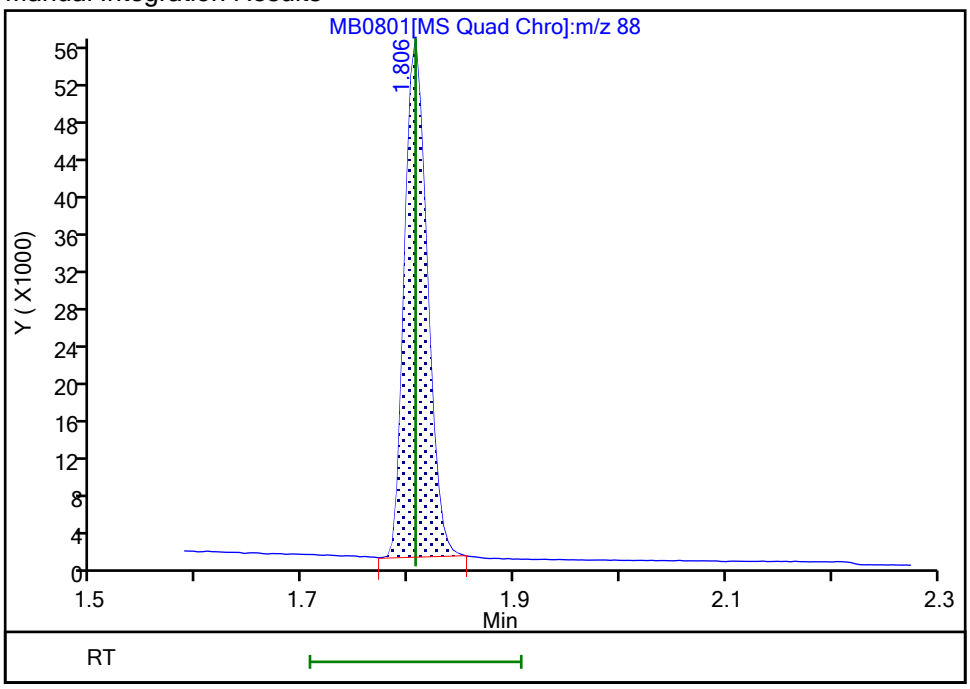
Processing Integration Results

RT: 1.81
Area: 94866
Amount: 0.636059
Amount Units: ug/ml



Manual Integration Results

RT: 1.81
Area: 82611
Amount: 0.553891
Amount Units: ug/ml



Reviewer: UJM0, 24-Feb-2023 04:24:56

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

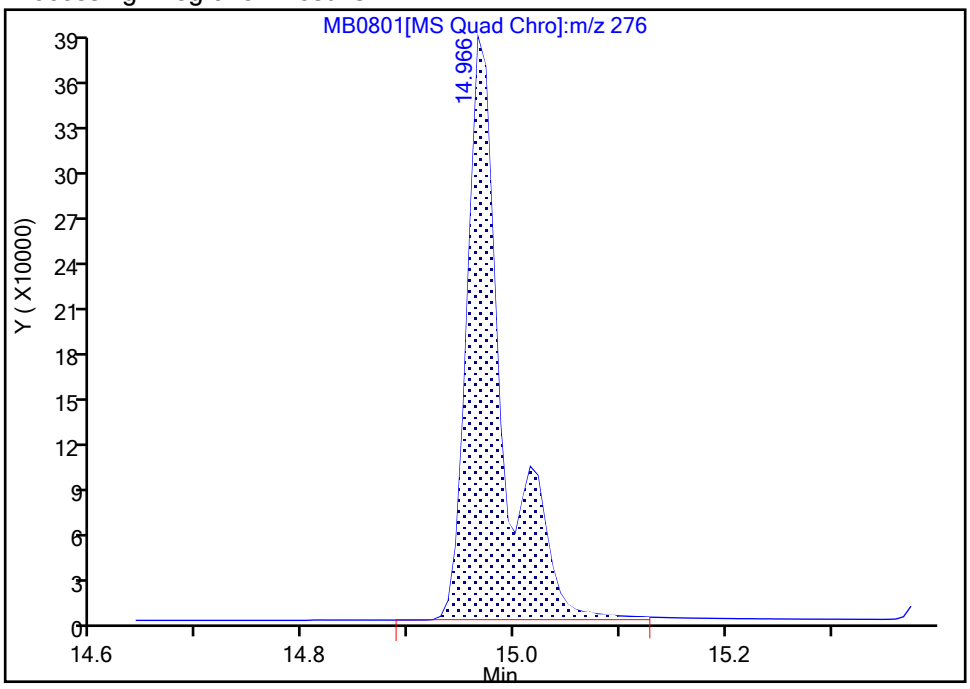
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0801.D				
Injection Date:	24-Feb-2023 04:03:16	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

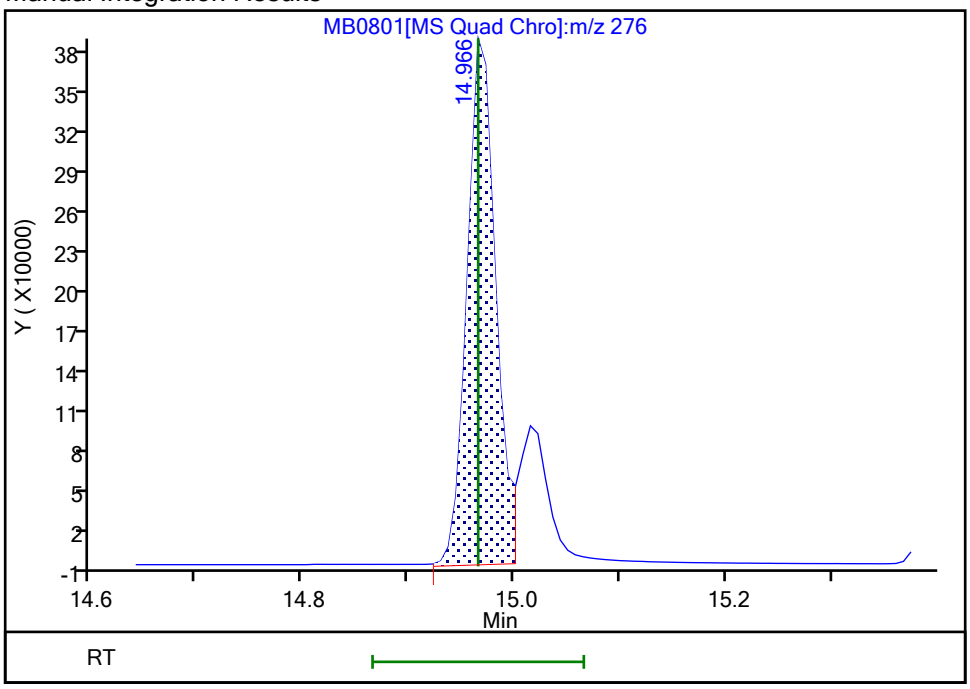
Processing Integration Results

RT: 14.97
Area: 920976
Amount: 0.735094
Amount Units: ug/ml



Manual Integration Results

RT: 14.97
Area: 719678
Amount: 0.574424
Amount Units: ug/ml



Reviewer: UJM0, 24-Feb-2023 04:25:27
Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: ICV 410-346701/9 Calibration Date: 02/22/2023 01:46

Instrument ID: HP23263 Calib Start Date: 02/21/2023 22:48

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 02/22/2023 01:02

Lab File ID: NB0458.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5546	0.6608		0.298	0.250	19.2	30.0
N-Nitrosodimethylamine	Ave	0.6364	1.047		0.411	0.250	64.4*	30.0
Bis(2-chloroethyl)ether	Ave	0.3682	0.4881		0.331	0.250	32.6*	30.0
Naphthalene	Lin2		1.102		0.294	0.250	17.7	30.0
2-Methylnaphthalene	Ave	0.6554	0.6787		0.259	0.250	3.6	30.0
1-Methylnaphthalene	Ave	0.5589	0.6017		0.269	0.250	7.7	30.0
Dimethylphthalate	Ave	1.079	1.326		0.307	0.250	22.9	30.0
Acenaphthylene	Ave	1.877	2.068		0.275	0.250	10.2	30.0
Acenaphthene	Ave	1.109	1.244		0.280	0.250	12.1	30.0
Dibenzofuran	Ave	1.734	1.802		0.260	0.250	3.9	30.0
Diethylphthalate	Ave	1.035	1.244		0.301	0.250	20.2	30.0
Fluorene	Ave	1.251	1.334		0.267	0.250	6.6	30.0
N-Nitrosodiphenylamine	Ave	0.4328	0.6339		0.311	0.213	46.5*	30.0
Hexachlorobenzene	Ave	0.2671	0.2821		0.264	0.250	5.6	30.0
Phenanthrene	Lin2		1.140		0.275	0.250	10.1	30.0
Anthracene	Ave	1.013	1.086		0.268	0.250	7.2	30.0
Di-n-butyl phthalate	Ave	0.9725	1.003		0.258	0.250	3.1	30.0
Fluoranthene	Ave	1.008	1.050		0.260	0.250	4.2	30.0
Pyrene	Ave	1.712	1.692		0.247	0.250	-1.2	30.0
Butylbenzylphthalate	Ave	0.5246	0.4583		0.218	0.250	-12.6	30.0
Benzo[a]anthracene	Ave	1.268	1.249		0.246	0.250	-1.5	30.0
Chrysene	Ave	1.277	1.263		0.247	0.250	-1.1	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6446	0.5168		0.200	0.250	-19.8	30.0
Di-n-octyl phthalate	Ave	1.099	0.9122		0.208	0.250	-17.0	30.0
Benzo[b]fluoranthene	Ave	1.182	1.297		0.274	0.250	9.7	30.0
Benzo[k]fluoranthene	Ave	1.317	1.512		0.287	0.250	14.8	30.0
Benzo[a]pyrene	Ave	1.104	1.199		0.272	0.250	8.6	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.8370	0.8001		0.239	0.250	-4.4	30.0
Dibenz(a,h)anthracene	Ave	0.8911	0.9414		0.264	0.250	5.6	30.0
Benzo[g,h,i]perylene	Ave	1.072	1.071		0.250	0.250	-0.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0458.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Feb-2023 01:46:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 410-0077517-009
Operator ID: kel10217 Instrument ID: HP23263
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Feb-2023 03:35:46 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: UJM0 Date: 22-Feb-2023 03:35:21

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	1.727	1.744	-0.017	89	32847	0.2500	0.2979	
2 N-Nitrosodimethylamine	74	2.038	2.082	-0.044	84	52024	0.2500	0.4111	
3 Bis(2-chloroethyl)ether	93	4.307	4.307	0.000	87	81968	0.2500	0.3314	
* 4 1,4-Dichlorobenzene-d4	152	4.569	4.569	0.000	100	49706	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.769	5.769	0.000	100	167942	0.2500	0.2500	
6 Naphthalene	128	5.781	5.781	0.000	100	185122	0.2500	0.2944	M
8 2-Methylnaphthalene	142	6.439	6.439	0.000	98	113982	0.2500	0.2589	
10 1-Methylnaphthalene	142	6.529	6.529	0.000	97	101053	0.2500	0.2692	
11 Dimethyl phthalate	163	7.170	7.170	0.000	100	98564	0.2500	0.3071	
12 Acenaphthylene	152	7.290	7.290	0.000	100	153671	0.2500	0.2754	
* 13 Acenaphthene-d10	164	7.431	7.431	0.000	99	74322	0.2500	0.2500	
14 Acenaphthene	154	7.461	7.461	0.000	92	92424	0.2500	0.2803	
15 Dibenzofuran	168	7.625	7.625	0.000	96	133901	0.2500	0.2598	M
16 Diethyl phthalate	149	7.841	7.841	0.000	100	92491	0.2500	0.3006	
17 Fluorene	166	7.949	7.949	0.000	99	99126	0.2500	0.2665	
18 N-Nitrosodiphenylamine	169	8.057	8.065	-0.008	97	63229	0.2125	0.3113	
19 Hexachlorobenzene	284	8.467	8.467	0.000	92	33107	0.2500	0.2641	
* 20 Phenanthrene-d10	188	8.837	8.837	0.000	100	117345	0.2500	0.2500	
21 Phenanthrene	178	8.860	8.860	0.000	100	133755	0.2500	0.2751	
22 Anthracene	178	8.907	8.907	0.000	100	127477	0.2500	0.2680	
23 Di-n-butyl phthalate	149	9.408	9.408	0.000	100	117675	0.2500	0.2578	
25 Fluoranthene	202	9.991	9.991	0.000	96	123239	0.2500	0.2605	
26 Pyrene	202	10.204	10.210	-0.006	100	122276	0.2500	0.2471	
27 Butyl benzyl phthalate	149	10.889	10.889	0.000	100	33128	0.2500	0.2184	
28 Benzo[a]anthracene	228	11.502	11.502	0.000	100	90292	0.2500	0.2463	
* 29 Chrysene-d12	240	11.518	11.518	0.000	87	72278	0.2500	0.2500	
30 Chrysene	228	11.548	11.548	0.000	100	91259	0.2500	0.2472	
31 Bis(2-ethylhexyl) phthalate	149	11.579	11.579	0.000	99	37351	0.2500	0.2004	
32 Di-n-octyl phthalate	149	12.461	12.469	-0.008	100	53156	0.2500	0.2076	
33 Benzo[b]fluoranthene	252	12.936	12.936	0.000	100	75581	0.2500	0.2742	

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	12.975	12.975	0.000	100	88083	0.2500	0.2870	
37 Benzo[a]pyrene	252	13.404	13.404	0.000	100	69898	0.2500	0.2716	
* 38 Perylene-d12	264	13.489	13.489	0.000	98	58273	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.143	15.143	0.000	98	46625	0.2500	0.2390	
41 Dibenz(a,h)anthracene	278	15.199	15.206	-0.007	98	54858	0.2500	0.2641	
42 Benzo[g,h,i]perylene	276	15.609	15.616	-0.007	100	62383	0.2500	0.2495	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_ICV_00037 Amount Added: 1.00 Units: mL

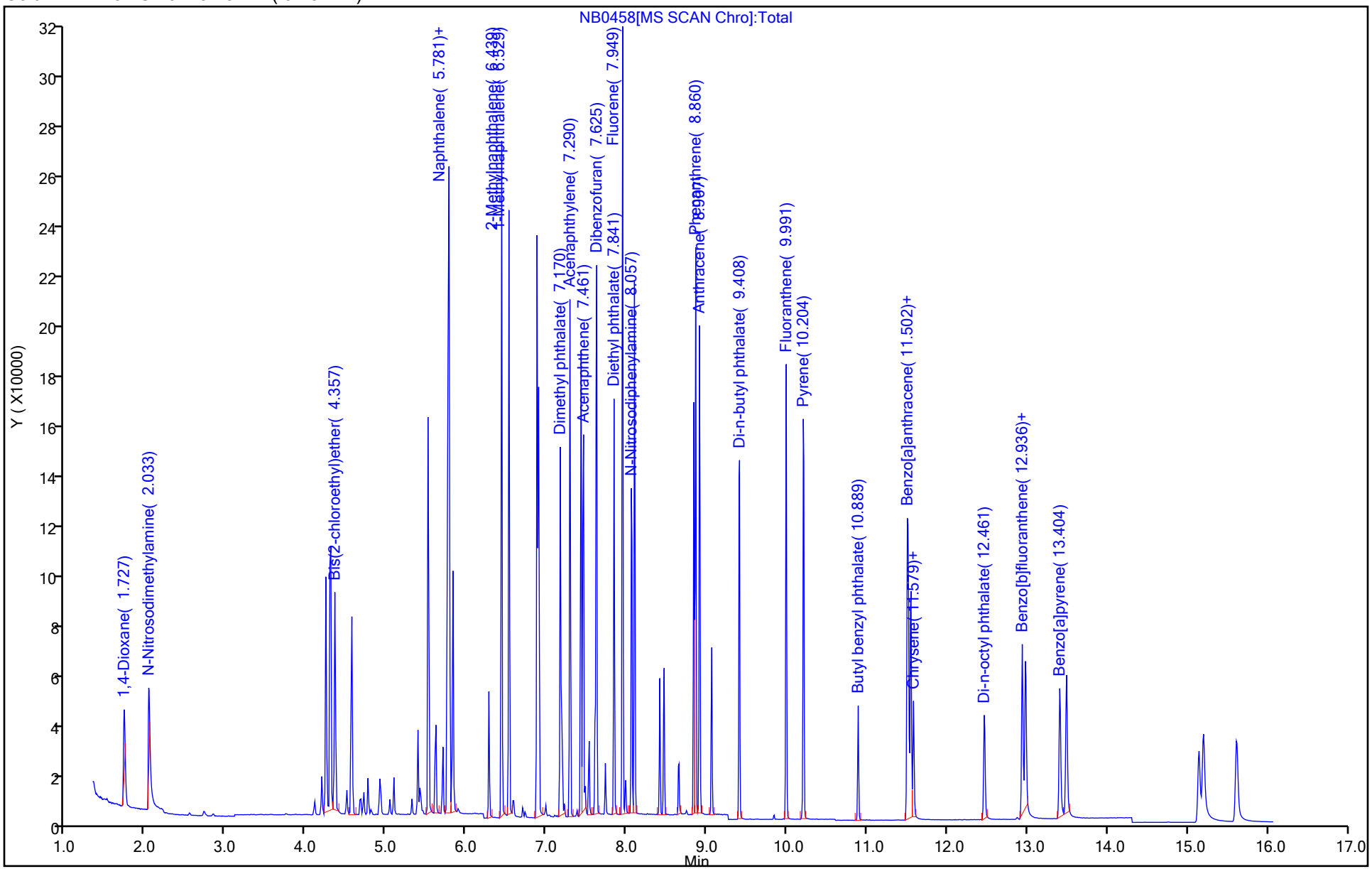
Report Date: 22-Feb-2023 03:35:48 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0458.D

Injection Date:	22-Feb-2023 01:46:30	Instrument ID:	HP23263	Operator ID:	kel10217
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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

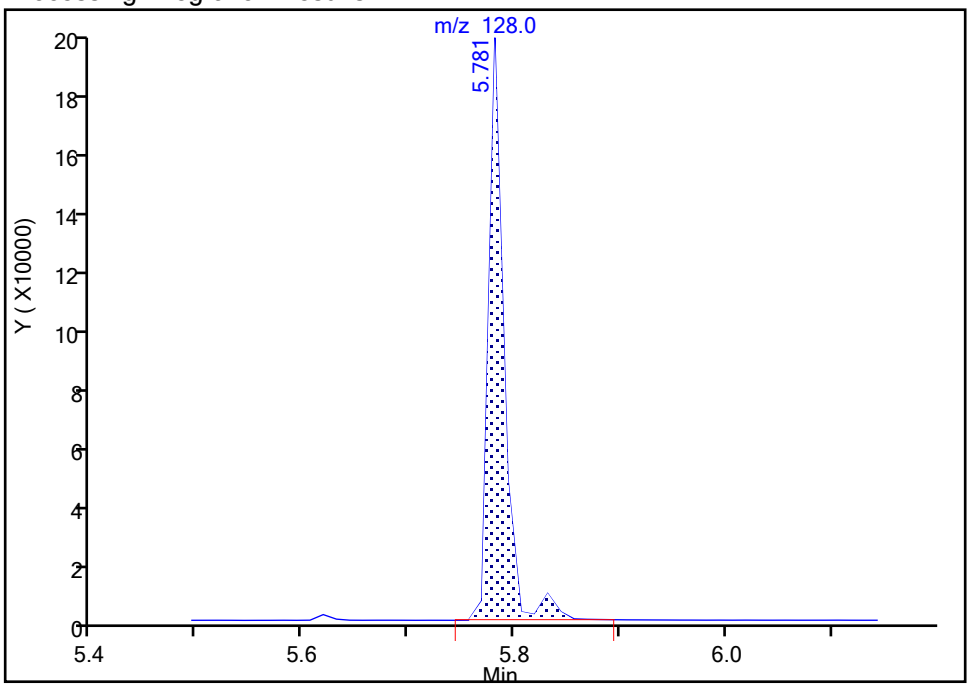
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0458.D				
Injection Date:	22-Feb-2023 01:46:30	Instrument ID:	HP23263		
Lims ID:	ICV				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Naphthalene, CAS: 91-20-3

Signal: 1

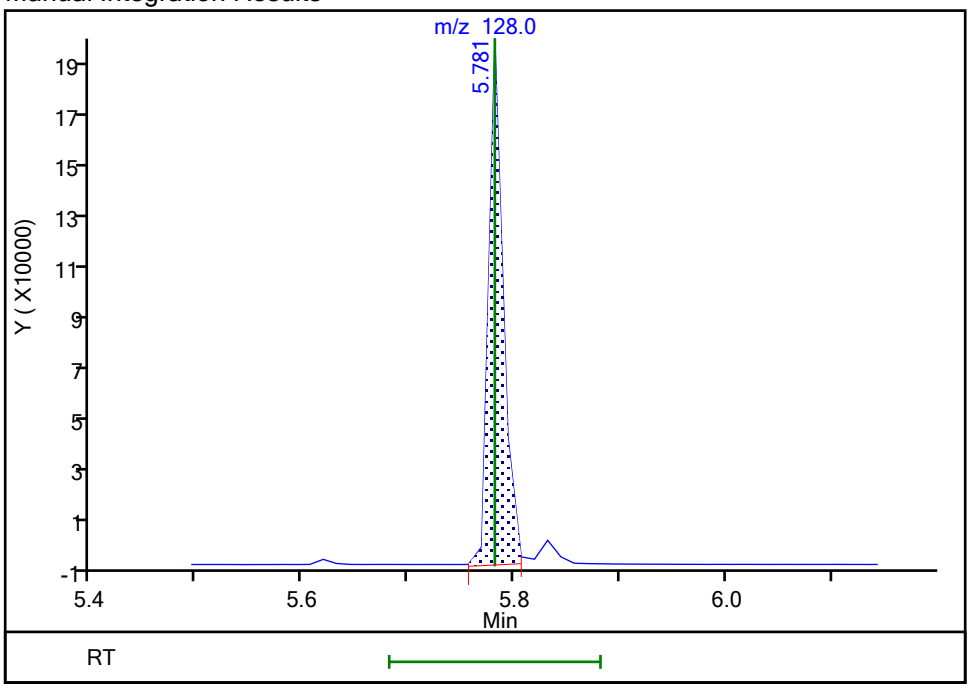
Processing Integration Results

RT: 5.78
Area: 196193
Amount: 0.312742
Amount Units: ug/ml



Manual Integration Results

RT: 5.78
Area: 185122
Amount: 0.294364
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:27:05
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

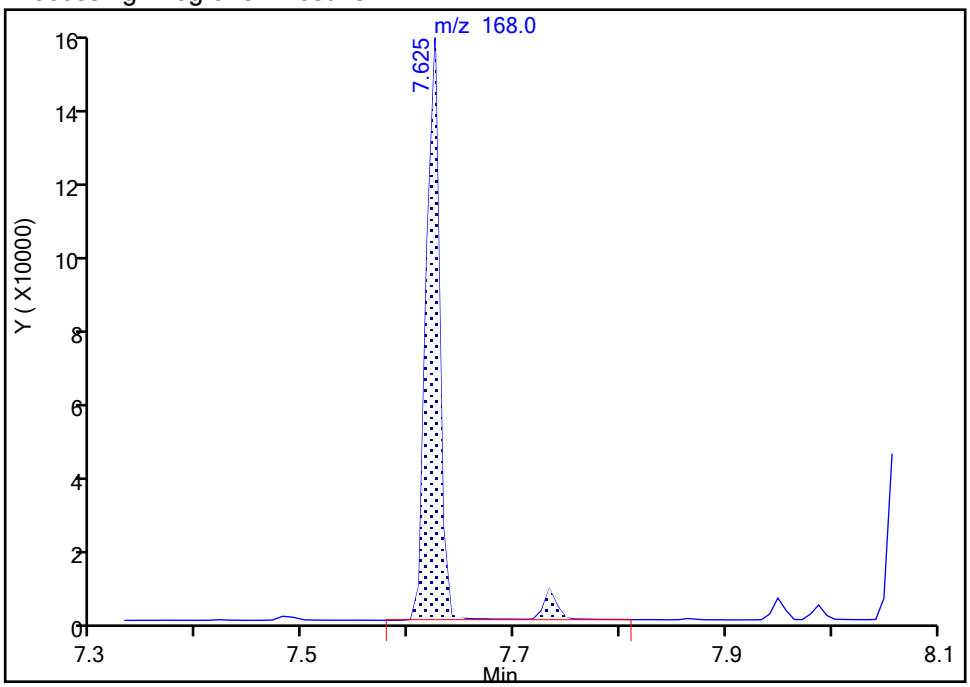
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0458.D				
Injection Date:	22-Feb-2023 01:46:30	Instrument ID:	HP23263		
Lims ID:	ICV				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

15 Dibenzofuran, CAS: 132-64-9

Signal: 1

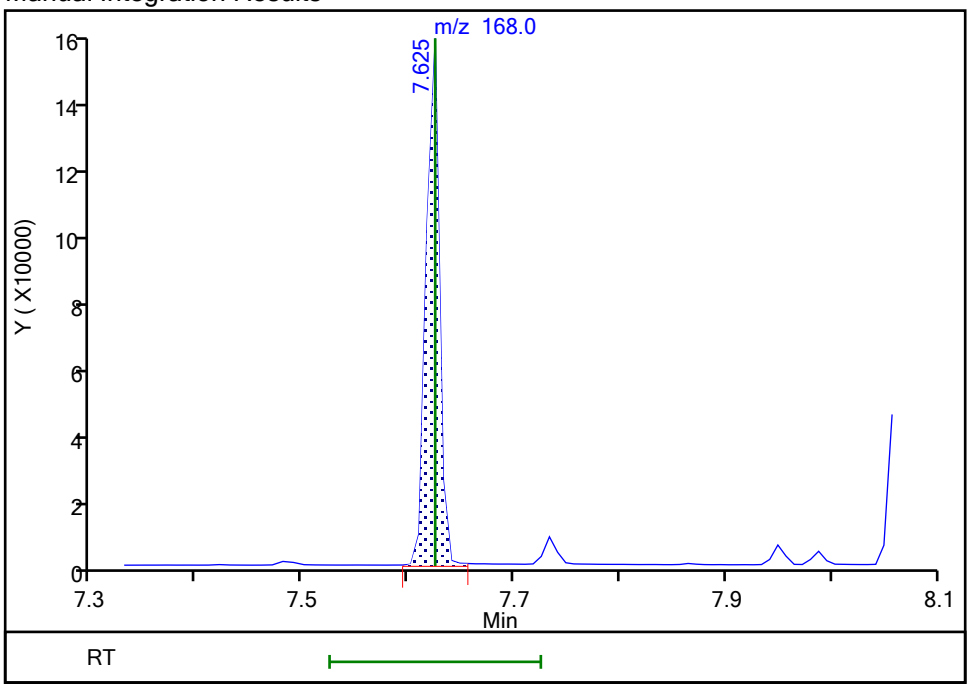
Processing Integration Results

RT: 7.62
Area: 141822
Amount: 0.275191
Amount Units: ug/ml



Manual Integration Results

RT: 7.62
Area: 133901
Amount: 0.259821
Amount Units: ug/ml



Reviewer: UJM0, 22-Feb-2023 03:27:16
Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Lab Sample ID: CCVIS 410-348434/2 Calibration Date: 02/28/2023 03:46

Instrument ID: HP23263 Calib Start Date: 02/21/2023 22:48

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 02/22/2023 01:02

Lab File ID: NB0751.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5546	0.6234		0.562	0.500	12.4	20.0
N-Nitrosodimethylamine	Ave	0.6364	0.7621		0.599	0.500	19.7	20.0
Bis(2-chloroethyl)ether	Ave	0.3682	0.4136		0.562	0.500	12.3	20.0
Naphthalene	Lin2		1.031		0.562	0.500	12.4	20.0
Quinoline	Ave	0.5925	0.5582		0.471	0.500	-5.8	20.0
2-Methylnaphthalene	Ave	0.6554	0.6185		0.472	0.500	-5.6	20.0
1-Methylnaphthalene	Ave	0.5589	0.5450		0.488	0.500	-2.5	20.0
Dimethylphthalate	Ave	1.079	1.125		2.60	2.50	4.2	20.0
Acenaphthylene	Ave	1.877	1.928		0.514	0.500	2.7	20.0
Acenaphthene	Ave	1.109	1.120		0.505	0.500	1.0	20.0
Dibenzofuran	Ave	1.734	1.760		0.508	0.500	1.5	20.0
Diethylphthalate	Ave	1.035	1.063		2.57	2.50	2.7	20.0
Fluorene	Ave	1.251	1.237		0.495	0.500	-1.1	20.0
N-Nitrosodiphenylamine	Ave	0.4328	0.4602		0.532	0.500	6.3	20.0
Hexachlorobenzene	Ave	0.2671	0.2870		0.537	0.500	7.4	20.0
Phenanthrene	Lin2		1.124		0.549	0.500	9.9	20.0
Anthracene	Ave	1.013	1.005		0.496	0.500	-0.8	20.0
Di-n-butyl phthalate	Ave	0.9725	0.9430		2.42	2.50	-3.0	20.0
Fluoranthene	Ave	1.008	0.9665		0.479	0.500	-4.1	20.0
Pyrene	Ave	1.712	1.688		0.493	0.500	-1.4	20.0
Butylbenzylphthalate	Ave	0.5246	0.5846		2.79	2.50	11.4	20.0
Benzo[a]anthracene	Ave	1.268	1.281		0.505	0.500	1.1	20.0
Chrysene	Ave	1.277	1.412		0.553	0.500	10.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6446	0.7281		2.82	2.50	13.0	20.0
Di-n-octyl phthalate	Ave	1.099	1.212		2.76	2.50	10.4	20.0
Benzo[b]fluoranthene	Ave	1.182	1.223		0.517	0.500	3.4	20.0
Benzo[k]fluoranthene	Ave	1.317	1.414		0.537	0.500	7.4	20.0
Benzo[e]pyrene	Ave	1.218	1.273		0.522	0.500	4.5	20.0
Benzo[a]pyrene	Ave	1.104	1.213		0.549	0.500	9.9	20.0
Perylene	Ave	1.156	1.295		0.560	0.500	12.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8370	0.8299		0.496	0.500	-0.8	20.0
Dibenz(a,h)anthracene	Ave	0.8911	0.9368		0.526	0.500	5.1	20.0
Benzo[g,h,i]perylene	Ave	1.072	1.129		0.526	0.500	5.2	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.4351	0.4320		0.496	0.500	-0.7	20.0
Fluoranthene-d10 (Surr)	Ave	0.8080	0.8039		0.497	0.500	-0.5	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.8387	0.9000		0.537	0.500	7.3	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0751.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Feb-2023 03:46:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 410-0077901-002
Operator ID: jmg00346 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 28-Feb-2023 04:07:45 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: UJM0 Date: 28-Feb-2023 04:07:41

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	1.736	1.736	0.000	91	57237	0.5000	0.5620	
2 N-Nitrosodimethylamine	74	2.047	2.047	0.000	81	69974	0.5000	0.5987	
3 Bis(2-chloroethyl)ether	93	4.319	4.319	0.000	98	131696	0.5000	0.5617	
* 4 1,4-Dichlorobenzene-d4	152	4.582	4.582	0.000	93	45910	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.781	5.781	0.000	100	159202	0.2500	0.2500	
6 Naphthalene	128	5.794	5.794	0.000	100	328286	0.5000	0.5619	
7 Quinoline	129	6.106	6.106	0.000	93	177719	0.5000	0.4710	
8 2-Methylnaphthalene	142	6.447	6.447	0.000	99	196943	0.5000	0.4719	
$ 9 1-Methylnaphthalene-d10	152	6.507	6.507	0.000	99	137545	0.5000	0.4965	
10 1-Methylnaphthalene	142	6.537	6.537	0.000	93	173544	0.5000	0.4876	
11 Dimethyl phthalate	163	7.178	7.178	0.000	99	705394	2.50	2.60	
12 Acenaphthylene	152	7.298	7.298	0.000	99	241868	0.5000	0.5136	
* 13 Acenaphthene-d10	164	7.438	7.438	0.000	98	62720	0.2500	0.2500	
14 Acenaphthene	154	7.468	7.468	0.000	94	140534	0.5000	0.5051	
15 Dibenzofuran	168	7.632	7.632	0.000	96	220797	0.5000	0.5077	
16 Diethyl phthalate	149	7.849	7.849	0.000	100	666776	2.50	2.57	
17 Fluorene	166	7.957	7.957	0.000	99	155231	0.5000	0.4946	
18 N-Nitrosodiphenylamine	169	8.065	8.065	0.000	98	85682	0.5000	0.5317	
19 Hexachlorobenzene	284	8.474	8.474	0.000	90	53432	0.5000	0.5372	
* 20 Phenanthrene-d10	188	8.845	8.845	0.000	100	93092	0.2500	0.2500	
21 Phenanthrene	178	8.868	8.868	0.000	100	209227	0.5000	0.5493	
22 Anthracene	178	8.914	8.914	0.000	100	187194	0.5000	0.4961	
23 Di-n-butyl phthalate	149	9.409	9.409	0.000	100	877870	2.50	2.42	
$ 24 Fluoranthene-d10 (Surr)	212	9.979	9.979	0.000	98	149666	0.5000	0.4975	
25 Fluoranthene	202	9.992	9.992	0.000	100	179940	0.5000	0.4794	
26 Pyrene	202	10.211	10.211	0.000	98	180569	0.5000	0.4930	
27 Butyl benzyl phthalate	149	10.890	10.890	0.000	100	312758	2.50	2.79	
28 Benzo[a]anthracene	228	11.503	11.503	0.000	99	137108	0.5000	0.5053	
* 29 Chrysene-d12	240	11.519	11.519	0.000	98	53496	0.2500	0.2500	
30 Chrysene	228	11.549	11.549	0.000	100	151111	0.5000	0.5530	

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	11.580	11.580	0.000	100	389508	2.50	2.82	
32 Di-n-octyl phthalate	149	12.462	12.462	0.000	100	610309	2.50	2.76	
33 Benzo[b]fluoranthene	252	12.938	12.938	0.000	100	123140	0.5000	0.5172	
34 Benzo[k]fluoranthene	252	12.976	12.976	0.000	100	142366	0.5000	0.5369	
35 Benzo[e]pyrene	252	13.329	13.329	0.000	100	128172	0.5000	0.5224	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.375	13.375	0.000	98	90605	0.5000	0.5365	
37 Benzo[a]pyrene	252	13.406	13.406	0.000	100	122116	0.5000	0.5493	
* 38 Perylene-d12	264	13.490	13.490	0.000	98	50337	0.2500	0.2500	
39 Perylene	252	13.528	13.528	0.000	100	130363	0.5000	0.5600	
40 Indeno[1,2,3-cd]pyrene	276	15.143	15.143	0.000	98	83552	0.5000	0.4958	
41 Dibenz(a,h)anthracene	278	15.200	15.200	0.000	98	94309	0.5000	0.5256	
42 Benzo[g,h,i]perylene	276	15.617	15.617	0.000	99	113625	0.5000	0.5262	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_4_00027 Amount Added: 1.00 Units: mL

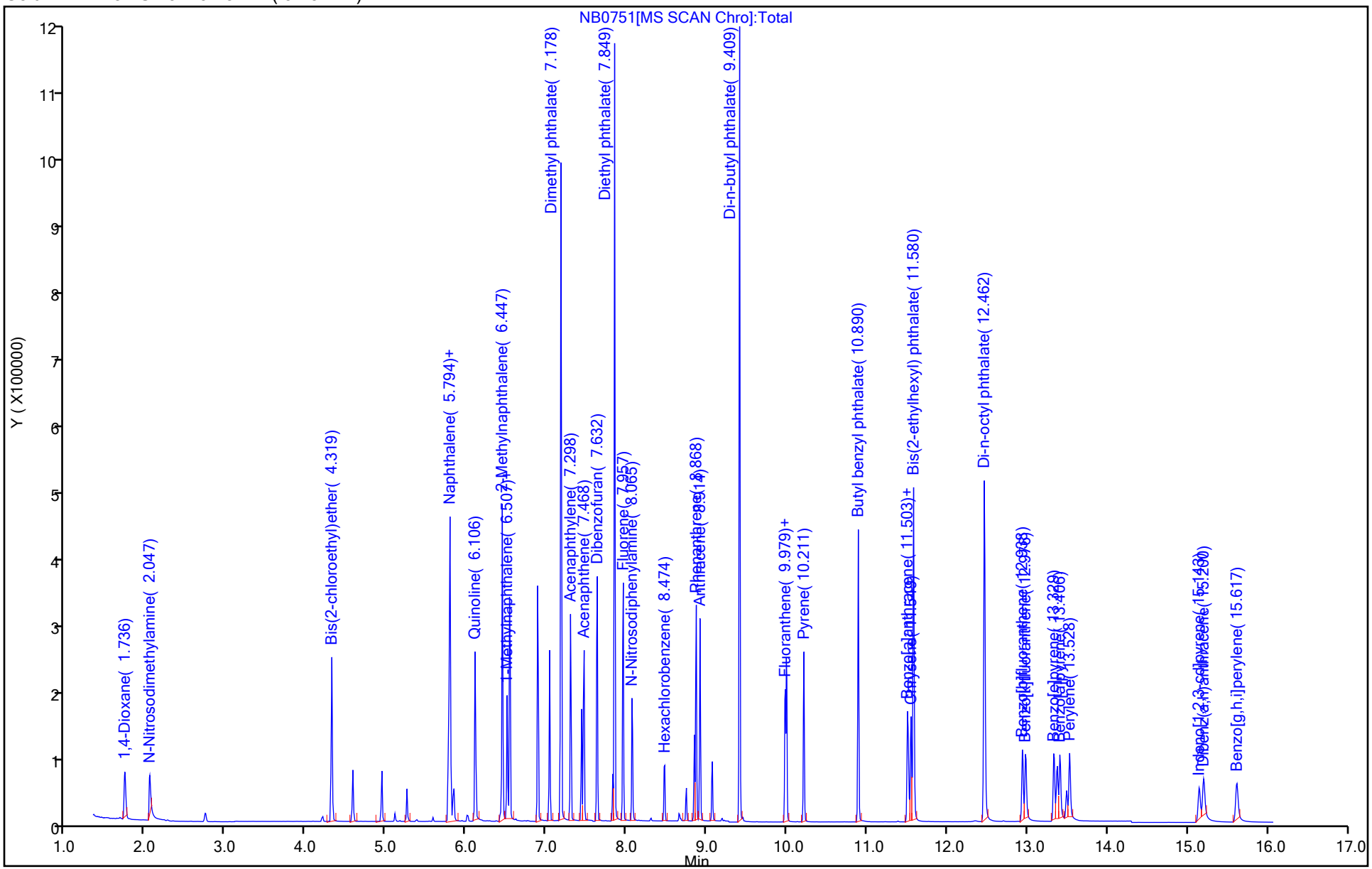
Report Date: 28-Feb-2023 04:07:46 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0751.D

Injection Date:	28-Feb-2023 03:46:30	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)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0400.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 26-Jan-2023 07:08:14 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0075813-001
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 27-Jan-2023 03:30:11 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: UJM0 Date: 26-Jan-2023 07:20:33

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	5.168	5.168	0.000	0	2716619	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.399	6.399	0.000	0	5163639	NR	NR	
49 4,4'-DDT	235	7.103	7.103	0.000	0	3381122	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

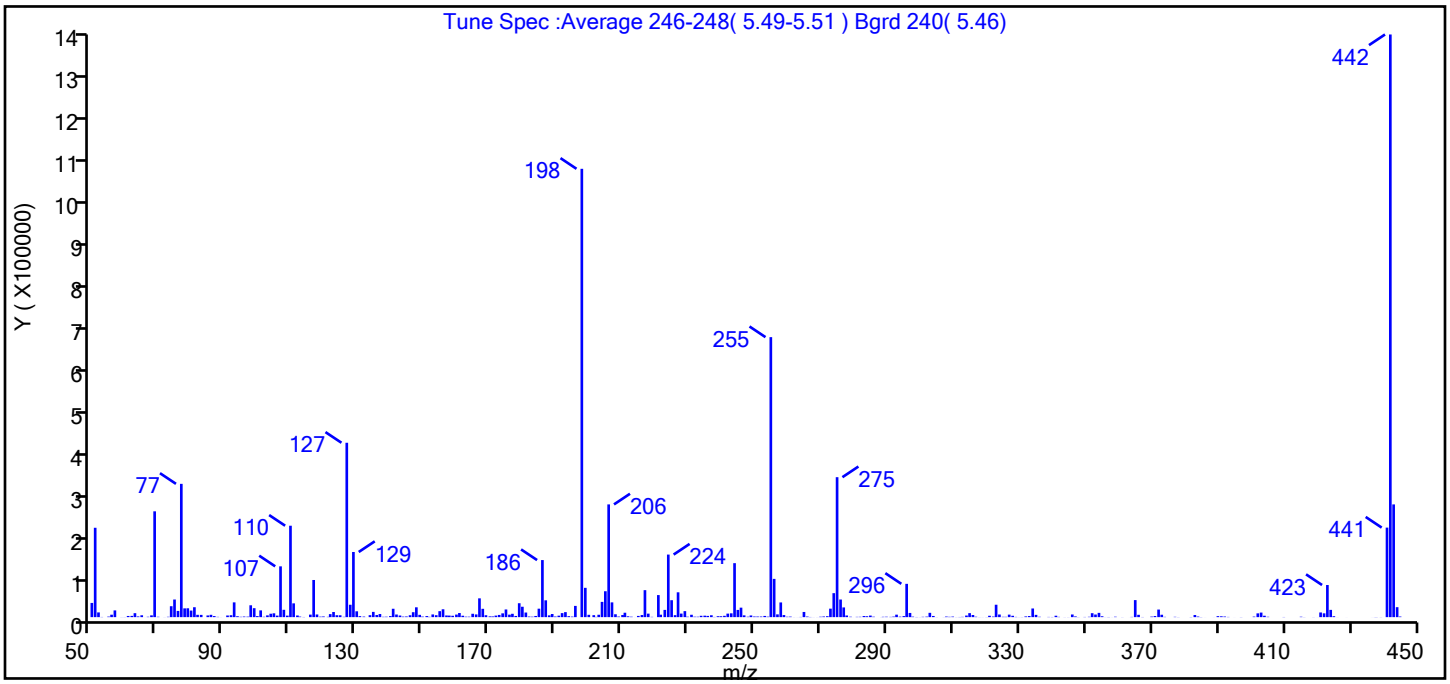
MSS_RVDFTPP_00012 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0400.D
Injection Date: 26-Jan-2023 07:08:14 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 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 (76.9)
51	10-80% of the base peak	19.9
68	<2% of mass 69	0.4 (1.7)
69	Present	23.6
70	<2% of mass 69	0.1 (0.4)
127	10-80% of the base peak	38.9
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.5
275	10-60% of the base peak	31.2
365	>1% of mass 198	3.8
441	present but <24% of mass 442	20.0 (15.4)
442	base peak, or >50% of 198	130.0
443	15-24% of mass 442	25.1 (19.3)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0400.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 26-Jan-2023 07:08:14
Spectrum: Tune Spec :Average 246-248(5.49-5.51) Bgrd 240(5.46)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	32328	143.00	3697	232.00	989	321.00	3122
51.00	203392	144.00	1211	233.00	939	322.00	1311
52.00	10738	145.00	1528	234.00	3094	323.00	28240
53.00	435	146.00	4319	235.00	3359	324.00	5982
55.00	1237	147.00	11238	236.00	2837	325.00	776
56.00	5529	148.00	22400	237.00	4259	326.00	721
57.00	15340	149.00	5263	238.00	440	327.00	5718
59.00	174	150.00	1281	239.00	2131	328.00	3072
60.00	217	151.00	2477	240.00	2072	329.00	555
61.00	2678	152.00	715	241.00	3033	330.00	140
62.00	2882	153.00	6155	242.00	8035	331.00	222
63.00	9046	154.00	4404	243.00	8698	332.00	1638
64.00	1602	155.00	13599	244.00	122856	333.00	2507
65.00	4236	156.00	17912	245.00	16432	334.00	19712
66.00	70	157.00	3812	246.00	21608	335.00	5164
67.00	848	158.00	3537	247.00	4069	336.00	871
68.00	4045	159.00	3132	248.00	956	339.00	491
69.00	240832	160.00	5834	249.00	3833	340.00	372
70.00	843	161.00	9376	250.00	1399	341.00	3216
72.00	144	162.00	3219	251.00	1373	342.00	638
73.00	800	163.00	1076	252.00	1390	344.00	154
74.00	24864	164.00	1055	253.00	2764	345.00	171
75.00	40120	165.00	7668	254.00	1107	346.00	6043
76.00	14137	166.00	6193	255.00	637248	347.00	1619
77.00	303360	167.00	42792	256.00	87080	348.00	249
78.00	19976	168.00	18968	257.00	6297	350.00	451
79.00	20168	169.00	4339	258.00	33464	351.00	826
80.00	14978	170.00	1718	259.00	4741	352.00	8991
81.00	22568	171.00	1581	260.00	934	353.00	5976
82.00	5295	172.00	3525	261.00	1198	354.00	9740
83.00	5144	173.00	5024	262.00	139	355.00	1996
85.00	3857	174.00	8638	263.00	107	356.00	128
86.00	5324	175.00	17488	264.00	463	357.00	351

Report Date: 27-Jan-2023 03:30:11 Chrom Revision: 2.3 17-Jan-2023 20:47:52
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0400.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 26-Jan-2023 07:08:14
Spectrum: Tune Spec :Average 246-248(5.49-5.51) Bgrd 240(5.46)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	2403	176.00	5663	265.00	11780	358.00	85
88.00	631	177.00	7635	266.00	1346	359.00	964
89.00	103	178.00	2717	267.00	399	361.00	173
91.00	3743	179.00	31672	268.00	121	363.00	50
92.00	4352	180.00	23664	269.00	126	364.00	527
93.00	33632	181.00	10499	270.00	950	365.00	38776
94.00	2073	182.00	1402	271.00	1505	366.00	5332
95.00	777	183.00	1032	272.00	2120	367.00	365
96.00	1372	184.00	2674	273.00	19328	370.00	1261
97.00	1114	185.00	19264	274.00	54576	371.00	2493
98.00	27008	186.00	129880	275.00	318528	372.00	17248
99.00	20384	187.00	38304	276.00	40112	373.00	5450
100.00	2403	188.00	4046	277.00	22112	374.00	630
101.00	15381	189.00	7148	278.00	3760	377.00	722
102.00	847	190.00	1347	279.00	985	378.00	235
103.00	4008	191.00	3343	280.00	50	382.00	336
104.00	7774	192.00	9172	281.00	660	383.00	4819
105.00	8728	193.00	11422	282.00	786	384.00	1367
106.00	3506	194.00	2192	283.00	2514	385.00	319
107.00	115616	195.00	1230	284.00	2081	386.00	54
108.00	16728	196.00	25584	285.00	3577	389.00	79
109.00	3467	198.00	1020352	286.00	1006	390.00	2263
110.00	208064	199.00	66704	288.00	132	391.00	1934
111.00	31376	200.00	5312	289.00	773	392.00	1377
112.00	3748	202.00	4492	290.00	969	393.00	511
113.00	1257	202.00	570	291.00	611	395.00	62
114.00	378	203.00	5426	292.00	1253	397.00	259
116.00	5749	204.00	34736	293.00	5638	401.00	1226
117.00	84560	205.00	58944	294.00	1126	402.00	8605
118.00	6055	206.00	256576	295.00	2387	403.00	10387
119.00	1118	207.00	33608	296.00	75800	404.00	3211
120.00	1549	208.00	6576	297.00	9536	405.00	838
121.00	702	209.00	1357	298.00	1158	410.00	371
122.00	6860	210.00	4829	299.00	366	415.00	961

Report Date: 27-Jan-2023 03:30:11 Chrom Revision: 2.3 17-Jan-2023 20:47:52
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0400.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 26-Jan-2023 07:08:14
Spectrum: Tune Spec :Average 246-248(5.49-5.51) Bgrd 240(5.46)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y
123.00	11726	211.00	10058	300.00	164	416.00	214
124.00	4401	212.00	1916	301.00	761	419.00	180
125.00	4241	213.00	1005	302.00	1165	420.00	69
126.00	722	214.00	56	303.00	9810	421.00	10620
127.00	396864	215.00	2796	304.00	2680	422.00	8673
128.00	28200	216.00	4745	305.00	164	423.00	73128
129.00	148288	217.00	61408	307.00	145	424.00	16544
130.00	13290	218.00	7957	308.00	1354	425.00	2081
131.00	2245	219.00	630	309.00	747	426.00	93
132.00	1274	221.00	50224	310.00	1276	429.00	64
133.00	63	222.00	5543	311.00	159	436.00	62
134.00	4482	223.00	16504	312.00	398	437.00	200
135.00	11959	224.00	142400	313.00	655	438.00	206
136.00	4916	225.00	38568	314.00	3650	439.00	186
137.00	7099	226.00	4509	315.00	9115	441.00	203776
138.00	770	227.00	56544	316.00	4869	442.00	1326080
139.00	983	228.00	8089	317.00	969	443.00	256576
140.00	2385	229.00	13670	318.00	181	444.00	22672
141.00	19080	230.00	1016	319.00	104	445.00	1374
142.00	5964	231.00	5422	320.00	221		

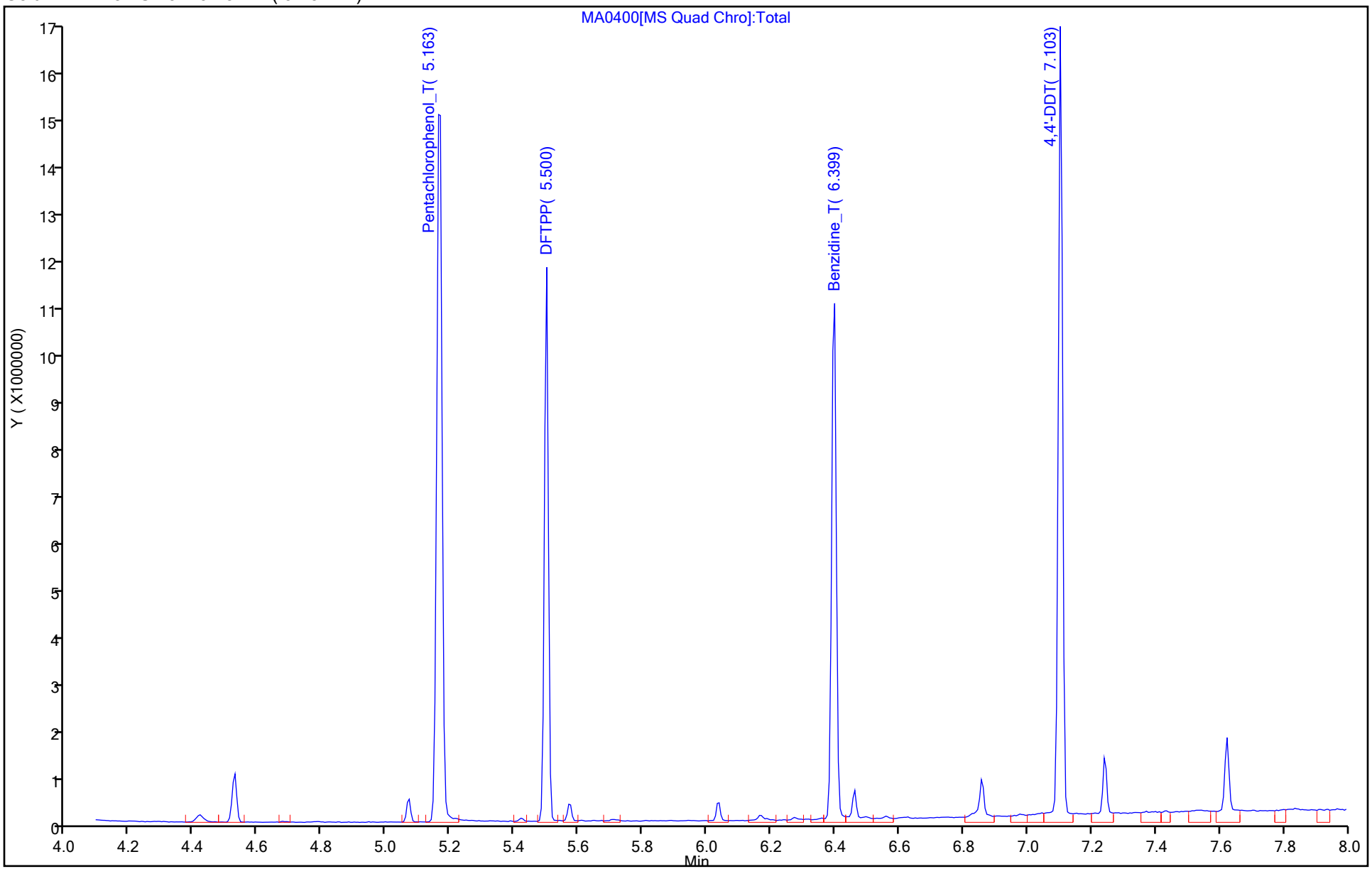
Report Date: 27-Jan-2023 03:30:11 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0400.D

Injection Date:	26-Jan-2023 07:08:14	Instrument ID:	HP21585	Operator ID:	jmg00346
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\20230126-75813.b\MA0400.D
Injection Date: 26-Jan-2023 07:08:14 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 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

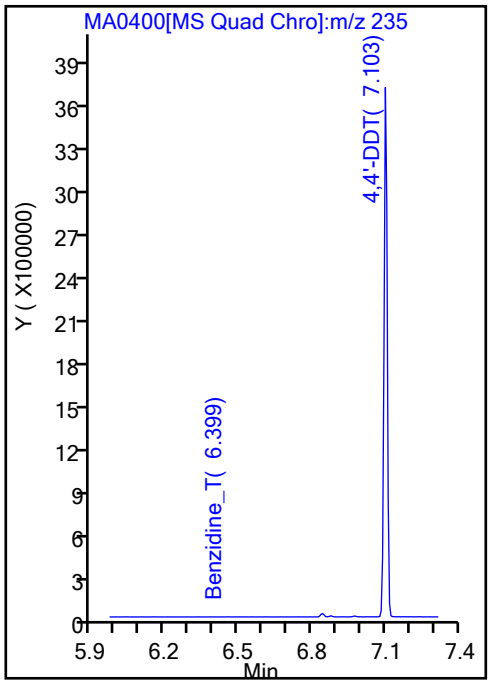
49 4,4'-DDT, Detector: MS Quad

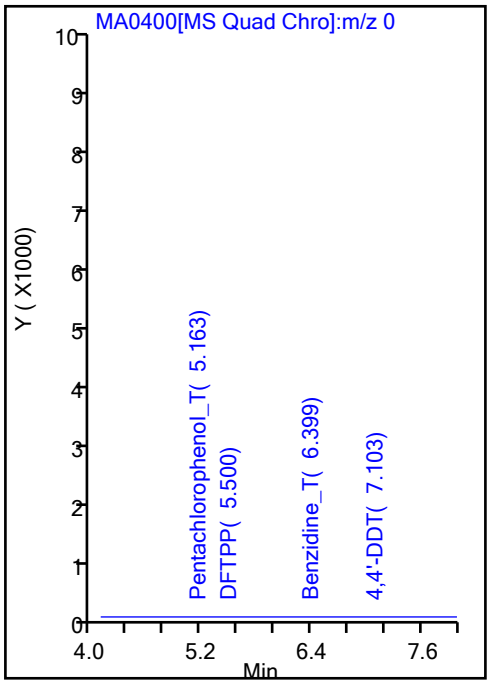
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 3381122
47 4,4'-DDE, Area = 0
48 4,4'-DDD, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

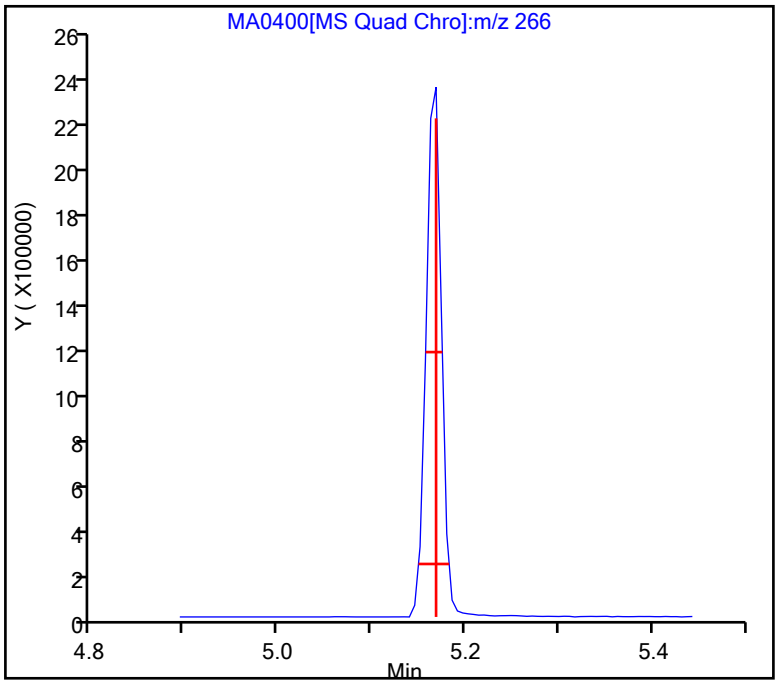
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0400.D
Injection Date: 26-Jan-2023 07:08:14 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.019 (min.)

Tailing Factor = 0.74, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

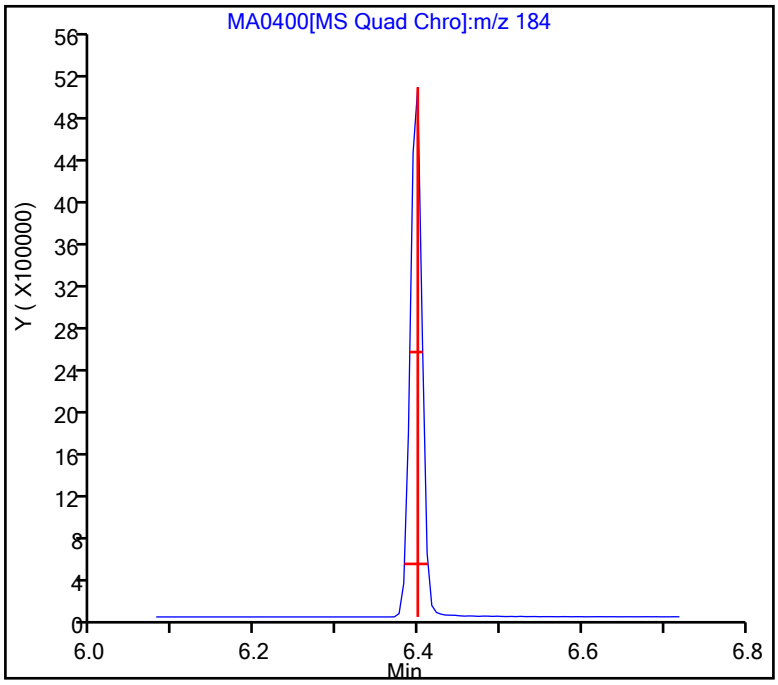
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0400.D
Injection Date: 26-Jan-2023 07:08:14 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.81, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0600.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 31-Jan-2023 06:02:33 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0076087-001
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 31-Jan-2023 07:01:19 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: UJM0 Date: 31-Jan-2023 07:01:19

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	5.169	5.169	0.000	0	3603289	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.399	6.399	0.000	0	8028360	NR	NR	
49 4,4'-DDT	235	7.103	7.103	0.000	0	4507180	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

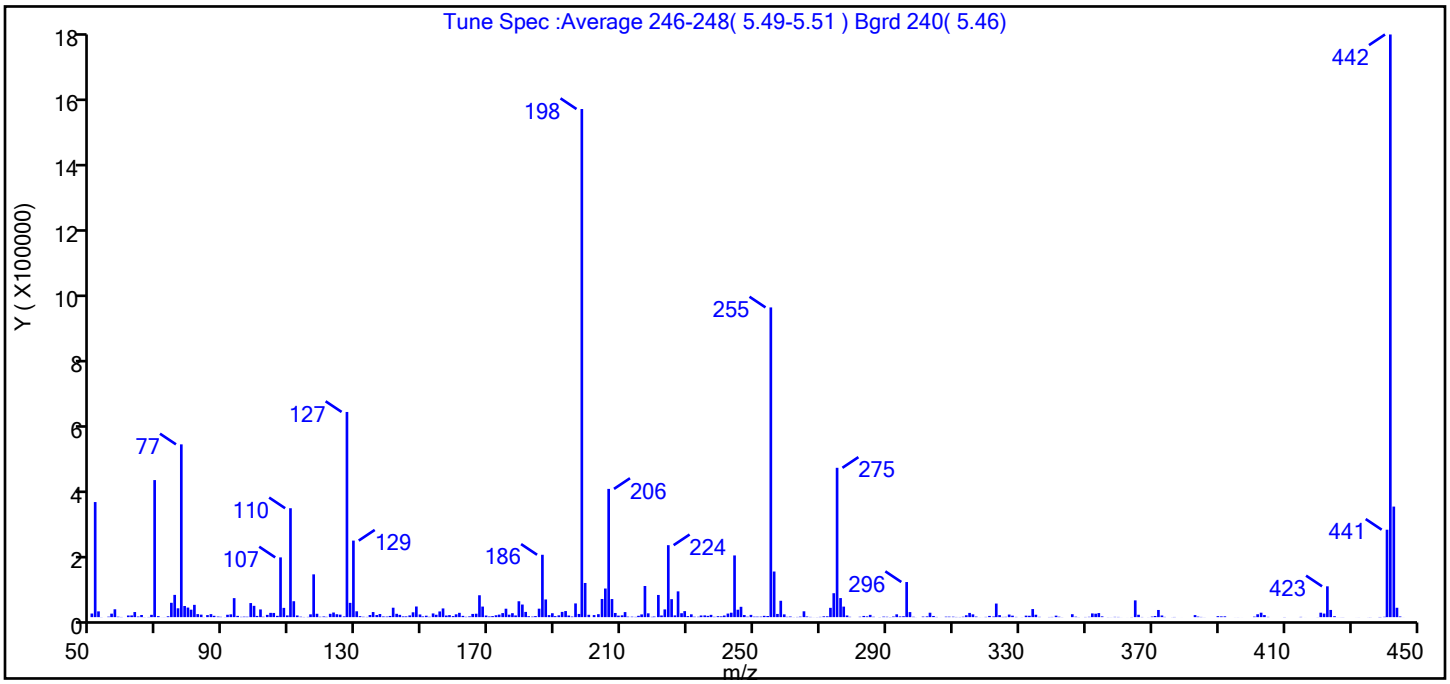
MSS_RVDFTPP_00012 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0600.D
Injection Date: 31-Jan-2023 06:02:33 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 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 (87.2)
51	10-80% of the base peak	22.7
68	<2% of mass 69	0.5 (1.7)
69	Present	27.0
70	<2% of mass 69	0.2 (0.7)
127	10-80% of the base peak	40.4
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.7
275	10-60% of the base peak	29.4
365	>1% of mass 198	3.3
441	present but <24% of mass 442	17.2 (15.0)
442	base peak, or >50% of 198	114.7
443	15-24% of mass 442	21.8 (19.0)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0600.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 31-Jan-2023 06:02:33
Spectrum: Tune Spec :Average 246-248(5.49-5.51) Bgrd 240(5.46)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 353

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	10795	141.00	28112	231.00	8383	325.00	708
51.00	343040	142.00	9942	232.00	1317	326.00	1009
52.00	17216	143.00	6894	233.00	1173	327.00	7736
53.00	328	144.00	2237	234.00	4989	328.00	4376
55.00	1434	145.00	2247	235.00	5229	329.00	722
56.00	10407	146.00	5144	236.00	3805	331.00	209
57.00	23440	147.00	14463	237.00	6824	332.00	4487
58.00	1356	148.00	31744	238.00	1009	333.00	4058
59.00	528	149.00	8002	239.00	2932	334.00	24088
61.00	4889	150.00	2212	240.00	2239	335.00	7166
62.00	5112	151.00	4329	241.00	4811	336.00	882
63.00	15235	152.00	1107	242.00	10672	339.00	500
64.00	1739	153.00	11062	243.00	13200	340.00	685
65.00	6371	154.00	7116	244.00	183936	341.00	4430
66.00	300	155.00	17016	245.00	22136	342.00	1282
67.00	547	156.00	25952	246.00	30808	343.00	277
68.00	6890	157.00	4784	247.00	6223	346.00	8753
69.00	408512	158.00	6048	248.00	1331	347.00	1416
70.00	2933	159.00	3143	249.00	6771	348.00	315
71.00	133	160.00	8418	250.00	1431	350.00	569
72.00	202	161.00	12874	251.00	1496	351.00	1015
73.00	2534	162.00	3801	252.00	1516	352.00	11082
74.00	42760	163.00	1019	253.00	3916	353.00	10302
75.00	66336	164.00	2307	254.00	3346	354.00	12169
76.00	26400	165.00	9589	255.00	923200	355.00	2318
77.00	515008	166.00	10199	256.00	136000	357.00	53
78.00	33184	167.00	65256	257.00	9577	357.00	251
79.00	28544	168.00	31488	258.00	48808	358.00	189
80.00	22224	169.00	4802	259.00	8303	359.00	821
81.00	36640	170.00	2026	260.00	1055	360.00	642
82.00	9019	171.00	3140	261.00	1798	361.00	115
83.00	7440	172.00	5592	262.00	258	363.00	79
84.00	250	173.00	7540	263.00	642	364.00	476

Report Date: 31-Jan-2023 07:01:20 Chrom Revision: 2.3 28-Jan-2023 14:03:14
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0600.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 31-Jan-2023 06:02:33
Spectrum: Tune Spec :Average 246-248(5.49-5.51) Bgrd 240(5.46)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 353

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	6109	174.00	12046	264.00	1492	365.00	49968
86.00	9009	175.00	25144	265.00	17440	366.00	7065
87.00	4001	176.00	7295	266.00	1968	367.00	566
88.00	1729	177.00	11800	267.00	694	369.00	196
89.00	983	178.00	5004	268.00	169	370.00	1635
90.00	300	179.00	47360	269.00	301	371.00	3427
91.00	7125	180.00	37600	270.00	803	372.00	21384
92.00	8384	181.00	15614	271.00	2512	373.00	4936
93.00	56680	182.00	2744	272.00	2430	374.00	739
94.00	3798	183.00	1598	273.00	27752	376.00	201
95.00	931	184.00	3110	274.00	71312	377.00	542
96.00	1480	185.00	25240	275.00	445120	379.00	51
97.00	1252	186.00	185920	276.00	56840	383.00	6104
98.00	41952	187.00	52704	277.00	31384	384.00	1696
99.00	33704	188.00	5984	278.00	4948	385.00	643
100.00	3667	189.00	11696	279.00	979	386.00	199
101.00	22976	190.00	2989	282.00	1143	390.00	2998
102.00	1207	191.00	5358	283.00	3607	391.00	2295
103.00	6766	192.00	15647	284.00	2239	392.00	2430
104.00	12760	193.00	18112	285.00	6797	395.00	112
105.00	12502	194.00	4839	286.00	1121	396.00	156
106.00	3909	195.00	1784	288.00	353	397.00	64
107.00	178112	196.00	40904	289.00	1571	401.00	1517
108.00	27608	197.00	9527	290.00	1173	402.00	8531
109.00	5134	198.00	1514496	291.00	428	403.00	13251
110.00	324608	199.00	101848	292.00	1907	404.00	6203
111.00	47480	200.00	6986	293.00	8393	405.00	816
112.00	4982	202.00	6188	294.00	2100	410.00	447
113.00	1356	203.00	8847	295.00	2698	415.00	114
114.00	558	204.00	54152	296.00	104672	415.00	765
115.00	750	205.00	85296	297.00	15049	416.00	52
116.00	8350	206.00	382272	298.00	1188	420.00	226
117.00	127568	207.00	53904	299.00	156	421.00	13204
118.00	10075	208.00	12422	301.00	1751	422.00	10644

Report Date: 31-Jan-2023 07:01:20 Chrom Revision: 2.3 28-Jan-2023 14:03:14
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0600.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 31-Jan-2023 06:02:33
Spectrum: Tune Spec :Average 246-248(5.49-5.51) Bgrd 240(5.46)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 353

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	1119	209.00	4542	302.00	2236	423.00	91872
120.00	2006	210.00	5360	303.00	13166	424.00	21504
121.00	993	211.00	15053	304.00	3485	425.00	2764
122.00	9910	212.00	1522	305.00	651	426.00	144
123.00	13803	213.00	1413	306.00	85	427.00	212
124.00	8676	214.00	795	308.00	1451	428.00	277
125.00	7432	215.00	4035	309.00	1475	432.00	81
126.00	2146	216.00	8151	310.00	1350	432.00	149
127.00	611584	217.00	92864	311.00	617	435.00	168
128.00	42568	218.00	11395	312.00	515	436.00	264
129.00	228160	219.00	930	313.00	1292	439.00	487
130.00	17448	220.00	1718	314.00	5595	439.00	383
131.00	2813	221.00	66136	315.00	12592	440.00	1045
132.00	1157	222.00	4931	316.00	8352	441.00	260608
133.00	686	223.00	23048	317.00	1689	442.00	1736704
134.00	6296	224.00	214528	318.00	151	443.00	329536
135.00	15198	225.00	53600	319.00	56	444.00	27944
136.00	6277	226.00	5197	320.00	746	445.00	1939
137.00	9312	227.00	76848	321.00	3632	446.00	91
138.00	2086	228.00	11702	322.00	1851		
139.00	1658	229.00	17944	323.00	40520		
140.00	3595	230.00	3134	324.00	6041		

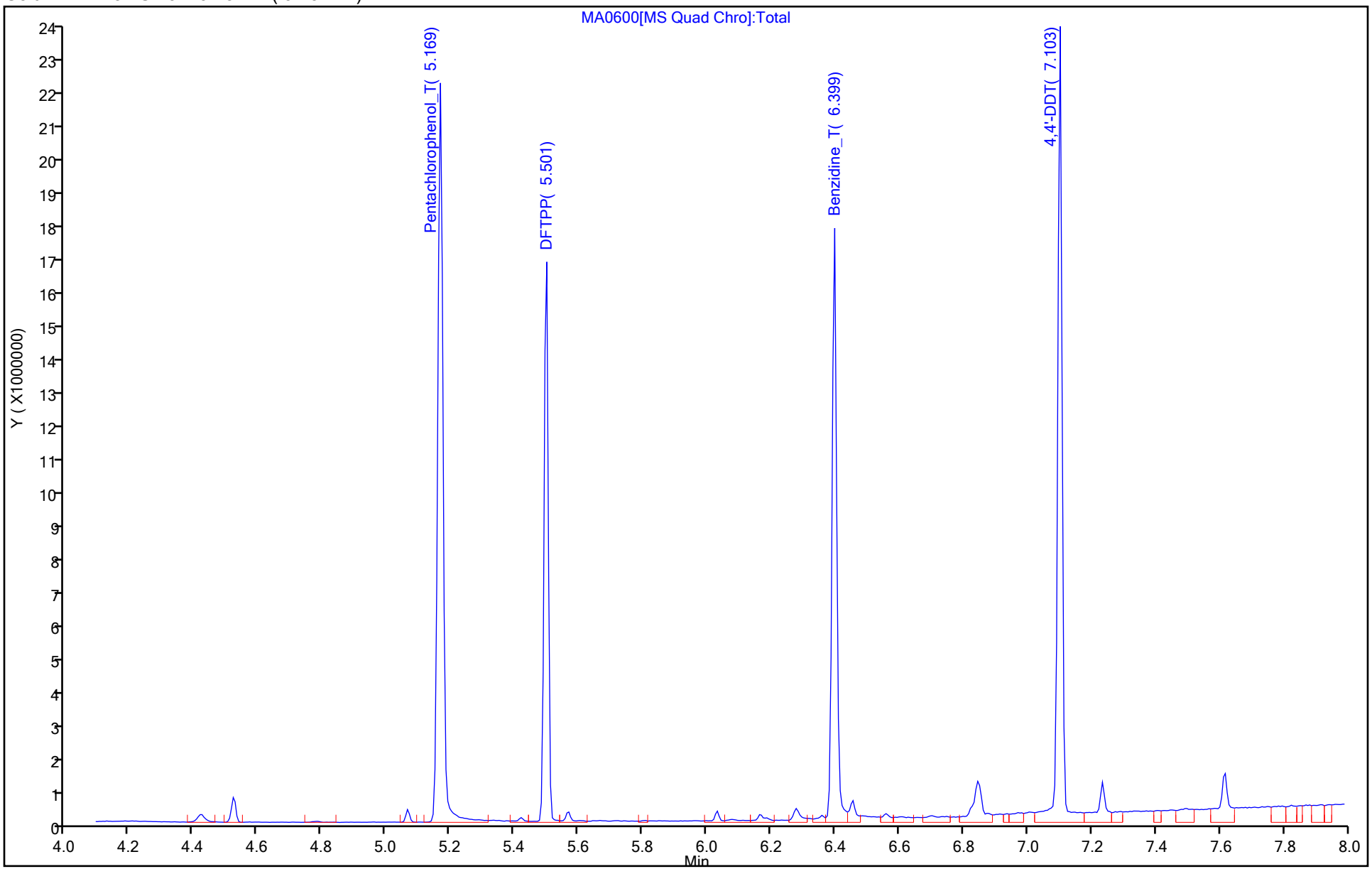
Report Date: 31-Jan-2023 07:01:20 Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0600.D

Injection Date:	31-Jan-2023 06:02:33	Instrument ID:	HP21585	Operator ID:	jmg00346
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\20230131-76087.b\MA0600.D
Injection Date: 31-Jan-2023 06:02:33 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 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

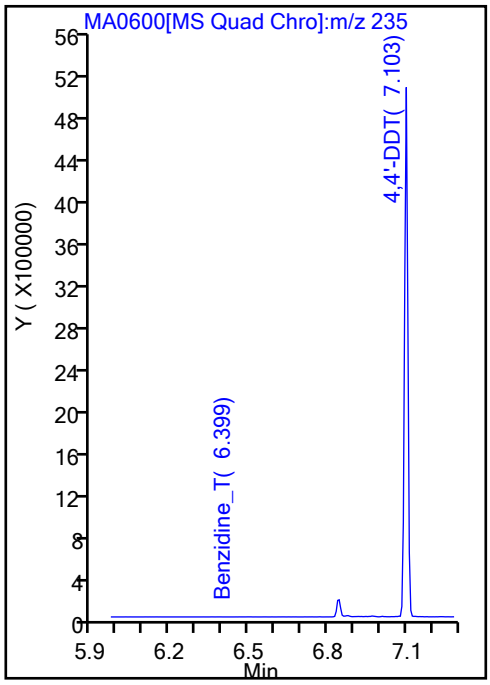
49 4,4'-DDT, Detector: MS Quad

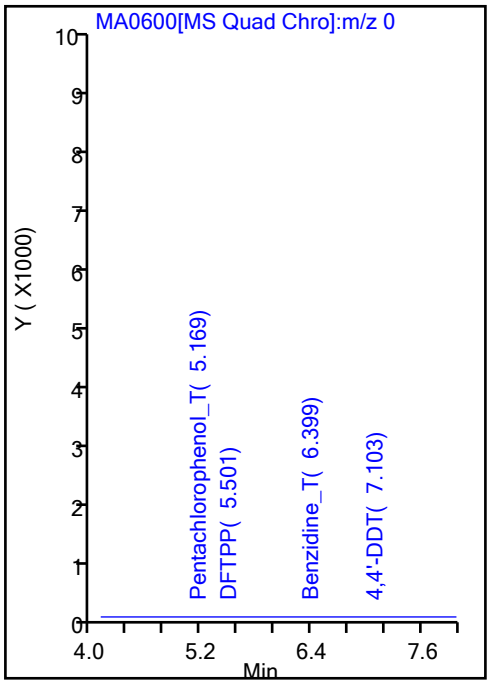
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 4507180
47 4,4'-DDE, Area = 0
48 4,4'-DDD, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

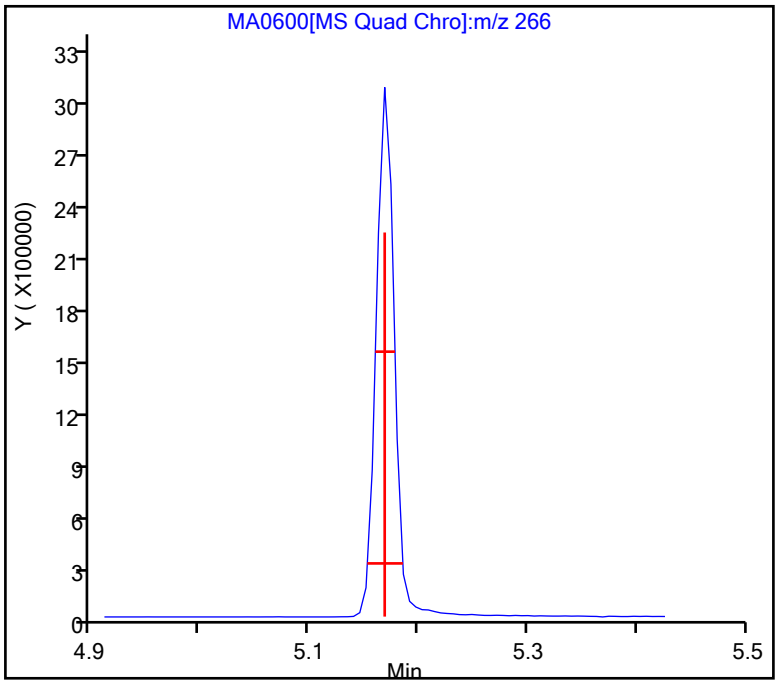
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0600.D
Injection Date: 31-Jan-2023 06:02:33 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.06, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

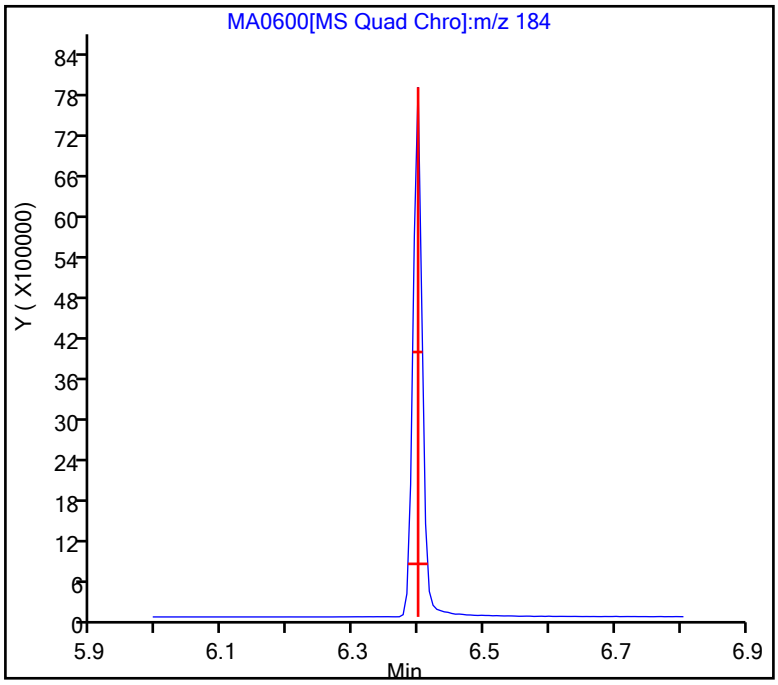
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230131-76087.b\MA0600.D
Injection Date: 31-Jan-2023 06:02:33 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (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\20230224-77710.b\MB0800.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 24-Feb-2023 03:39:43 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0077710-001
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 24-Feb-2023 04:26:25 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: UJM0 Date: 24-Feb-2023 04:00:48

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	2615623	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.359	6.359	0.000	0	6043692	NR	NR	
47 4,4'-DDE	246	6.519	6.519	0.000	0	7511		NR	
48 4,4'-DDD	235	6.811	6.811	0.000	0	152405		NR	
49 4,4'-DDT	235	7.074	7.074	0.000	0	3287915	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

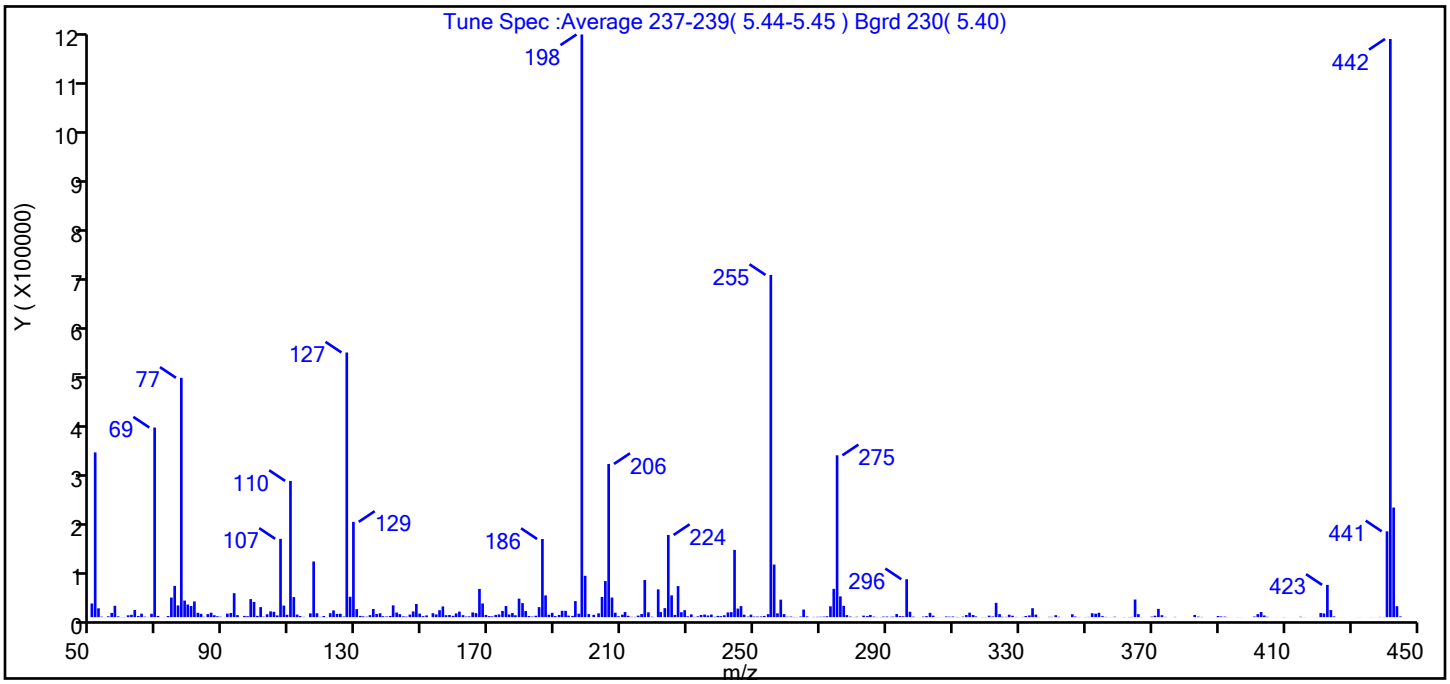
MSS_RVDFTPP_00012 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0800.D
Injection Date: 24-Feb-2023 03:39:43 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 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 (100.8)
51	10-80% of the base peak	28.3
68	<2% of mass 69	0.6 (1.8)
69	Present	32.5
70	<2% of mass 69	0.2 (0.6)
127	10-80% of the base peak	45.4
197	<2% of mass 198	0.6
199	5-9% of mass 198	7.1
275	10-60% of the base peak	27.8
365	>1% of mass 198	3.0
441	present but <24% of mass 442	14.7 (14.8)
442	base peak, or >50% of 198	99.2
443	15-24% of mass 442	18.8 (19.0)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0800.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 24-Feb-2023 03:39:43
Spectrum: Tune Spec :Average 237-239(5.44-5.45) Bgrd 230(5.40)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 354

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	26496	140.00	2359	231.00	5375	323.00	27664
51.00	319232	141.00	22864	232.00	513	324.00	5751
52.00	17104	142.00	8911	233.00	1529	325.00	623
53.00	884	143.00	5739	234.00	4290	326.00	590
54.00	182	144.00	1572	235.00	5019	327.00	4793
55.00	1639	145.00	1028	236.00	3154	328.00	2739
56.00	8193	146.00	4977	237.00	4986	329.00	453
57.00	21944	147.00	11094	238.00	669	330.00	94
58.00	1541	148.00	25520	239.00	2454	331.00	433
59.00	262	149.00	6827	240.00	1910	332.00	2156
60.00	346	150.00	1990	241.00	3606	333.00	3360
61.00	3591	151.00	3373	242.00	9092	334.00	17336
62.00	4583	153.00	7642	243.00	9637	335.00	4932
63.00	13965	154.00	5229	244.00	130208	336.00	390
64.00	2141	155.00	13417	245.00	16616	339.00	614
65.00	6704	156.00	20728	246.00	21408	340.00	498
66.00	950	157.00	3771	247.00	4688	341.00	3757
67.00	315	158.00	4199	248.00	1060	342.00	754
68.00	6537	159.00	2516	249.00	4855	343.00	58
69.00	367360	160.00	7222	250.00	1054	346.00	5545
70.00	2335	161.00	10783	251.00	1151	347.00	1220
71.00	60	162.00	3800	252.00	1308	348.00	398
72.00	144	163.00	1104	253.00	2381	350.00	367
73.00	2181	164.00	1508	254.00	5745	351.00	476
74.00	38024	165.00	9173	255.00	663040	352.00	7644
75.00	60504	166.00	7831	256.00	101888	353.00	6613
76.00	22704	167.00	54672	257.00	7464	354.00	8460
77.00	463744	168.00	26480	258.00	33864	355.00	1921
78.00	32064	169.00	4334	259.00	5860	356.00	502
79.00	24496	170.00	2033	260.00	822	357.00	195
80.00	21584	171.00	1500	261.00	1069	358.00	135
81.00	30408	172.00	4324	262.00	401	359.00	833
82.00	8472	173.00	5187	263.00	334	362.00	255

Report Date: 24-Feb-2023 04:26:26 Chrom Revision: 2.3 15-Feb-2023 20:44:50
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0800.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 24-Feb-2023 03:39:43
Spectrum: Tune Spec :Average 237-239(5.44-5.45) Bgrd 230(5.40)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 354

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	6453	174.00	12081	264.00	1132	362.00	71
84.00	634	175.00	21512	265.00	14790	363.00	332
85.00	5926	176.00	5114	266.00	1447	364.00	469
86.00	8621	177.00	7954	268.00	453	365.00	34120
87.00	3701	178.00	3568	269.00	619	366.00	5739
88.00	1736	179.00	35872	270.00	764	367.00	273
89.00	846	180.00	27168	271.00	976	370.00	1038
90.00	205	181.00	11851	272.00	1752	371.00	2705
91.00	6845	182.00	2241	273.00	21048	372.00	16004
92.00	7919	183.00	1053	274.00	54800	373.00	3764
93.00	46392	184.00	2650	275.00	313600	374.00	528
94.00	3901	185.00	19416	276.00	40264	377.00	525
96.00	2428	186.00	151424	277.00	21960	383.00	4258
97.00	1792	187.00	42152	278.00	3888	384.00	1081
98.00	35000	188.00	4688	279.00	1073	385.00	435
99.00	29512	189.00	8385	280.00	213	390.00	2223
100.00	2404	190.00	1997	281.00	794	391.00	1296
101.00	19440	191.00	4148	283.00	2895	392.00	1008
102.00	949	192.00	12387	284.00	2080	393.00	282
103.00	5494	193.00	12266	285.00	4276	394.00	75
104.00	11192	194.00	2969	286.00	1002	395.00	71
105.00	10376	195.00	2410	287.00	365	396.00	215
106.00	3289	196.00	31080	288.00	319	397.00	114
107.00	151744	197.00	6740	289.00	1053	399.00	70
108.00	22464	198.00	1128960	290.00	1201	401.00	1156
109.00	4623	199.00	80128	291.00	667	402.00	5804
110.00	263936	200.00	5965	292.00	1006	403.00	9877
111.00	38824	202.00	4462	293.00	5990	404.00	3260
112.00	4994	203.00	7458	294.00	1985	405.00	706
113.00	2111	204.00	39168	295.00	1642	408.00	123
114.00	575	205.00	69880	296.00	73488	410.00	324
115.00	107	206.00	296832	297.00	10441	411.00	55
116.00	7308	207.00	38016	298.00	995	415.00	735
117.00	107856	208.00	8606	299.00	105	416.00	239

Report Date: 24-Feb-2023 04:26:26 Chrom Revision: 2.3 15-Feb-2023 20:44:50
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0800.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 24-Feb-2023 03:39:43
Spectrum: Tune Spec :Average 237-239(5.44-5.45) Bgrd 230(5.40)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 354

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	7542	209.00	1817	300.00	134	419.00	57
119.00	556	210.00	4763	301.00	1071	420.00	74
120.00	2224	211.00	9897	302.00	1984	421.00	7913
121.00	263	212.00	2576	303.00	8370	422.00	7121
122.00	7614	213.00	645	304.00	2882	423.00	62560
123.00	12976	214.00	503	305.00	226	424.00	13692
124.00	6267	215.00	2944	306.00	164	425.00	1436
125.00	6590	216.00	6080	307.00	97	426.00	72
126.00	1161	217.00	71984	308.00	1337	428.00	55
127.00	512768	218.00	9329	309.00	930	433.00	154
128.00	39504	219.00	843	310.00	1274	436.00	227
129.00	184640	220.00	197	311.00	412	437.00	72
130.00	15600	221.00	53816	312.00	277	438.00	95
131.00	2419	222.00	9771	313.00	977	439.00	419
132.00	1608	223.00	17480	314.00	4054	440.00	322
133.00	842	224.00	159232	315.00	8740	441.00	166272
134.00	3838	225.00	42232	316.00	4098	442.00	1120256
135.00	15753	226.00	4325	317.00	1413	443.00	212352
136.00	6052	227.00	60216	319.00	262	444.00	21216
137.00	7500	228.00	9549	320.00	317	445.00	1376
138.00	1822	229.00	13571	321.00	2878		
139.00	1321	230.00	1610	322.00	1233		

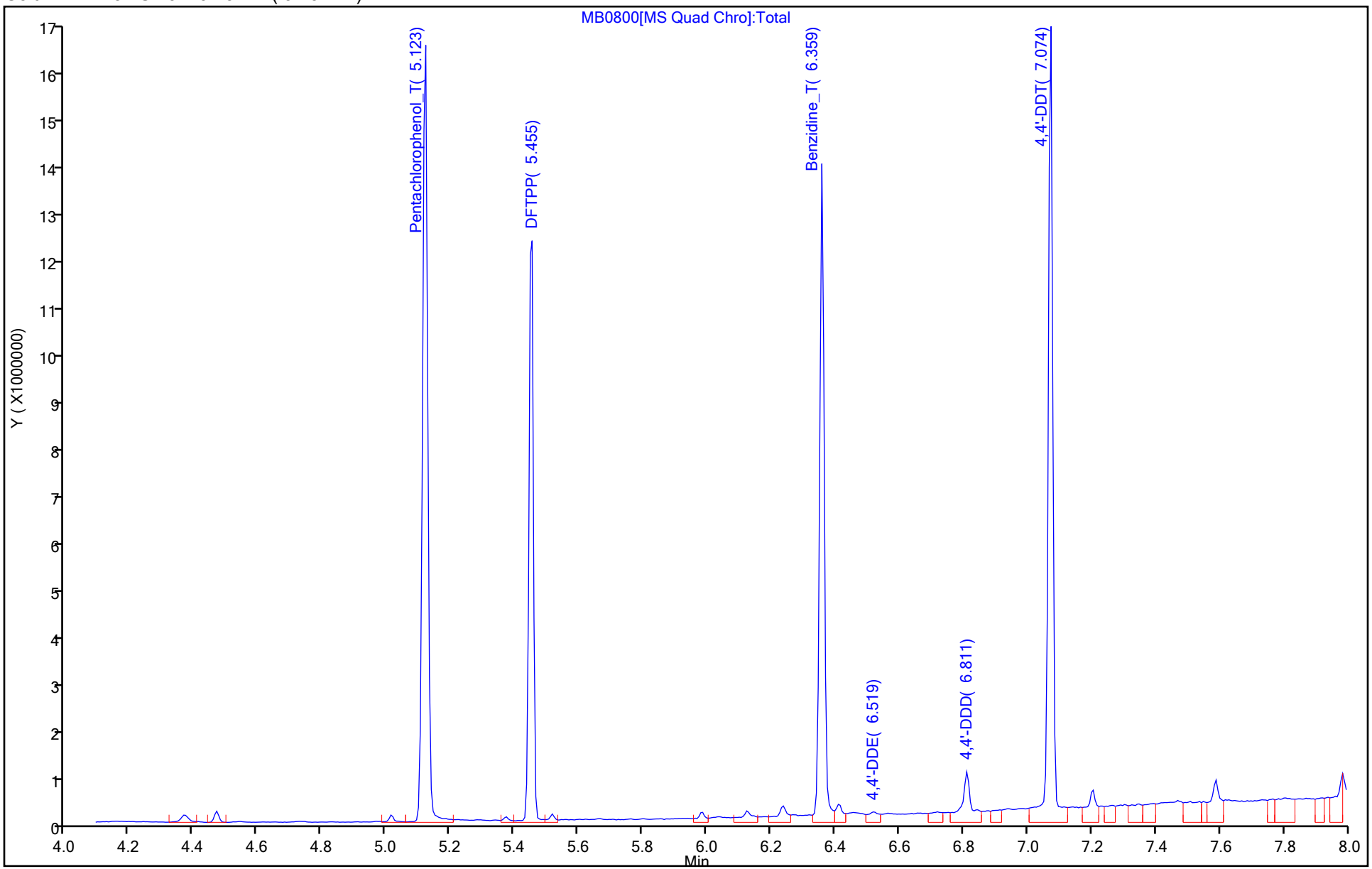
Report Date: 24-Feb-2023 04:26:26 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0800.D

Injection Date:	24-Feb-2023 03:39:43	Instrument ID:	HP21585	Operator ID:	jmg00346
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\20230224-77710.b\MB0800.D				
Injection Date:	24-Feb-2023 03:39:43	Instrument ID:	HP21585		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	jmg00346	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		

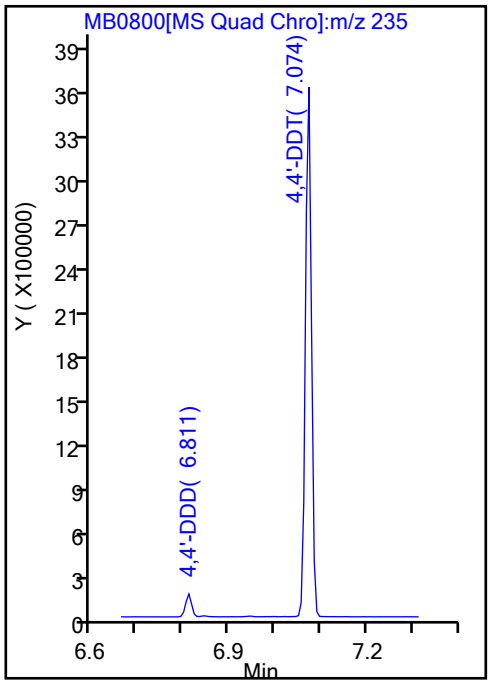
49 4,4'-DDT, Detector: MS Quad

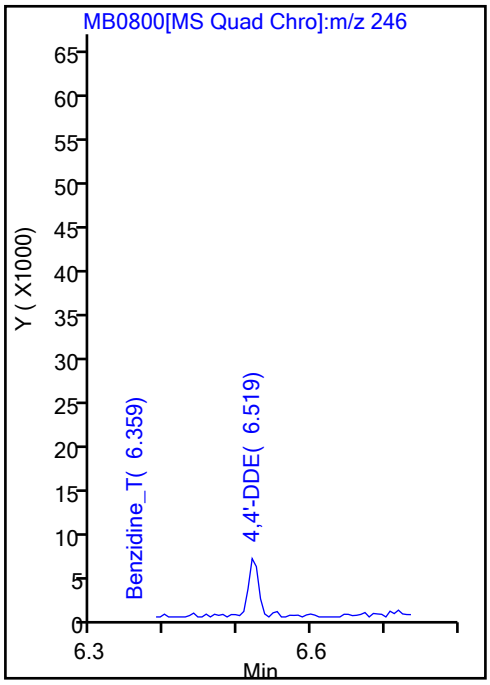
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 3287915
47 4,4'-DDE, Area = 7511
48 4,4'-DDD, Area = 152405

%Breakdown: 4.64%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

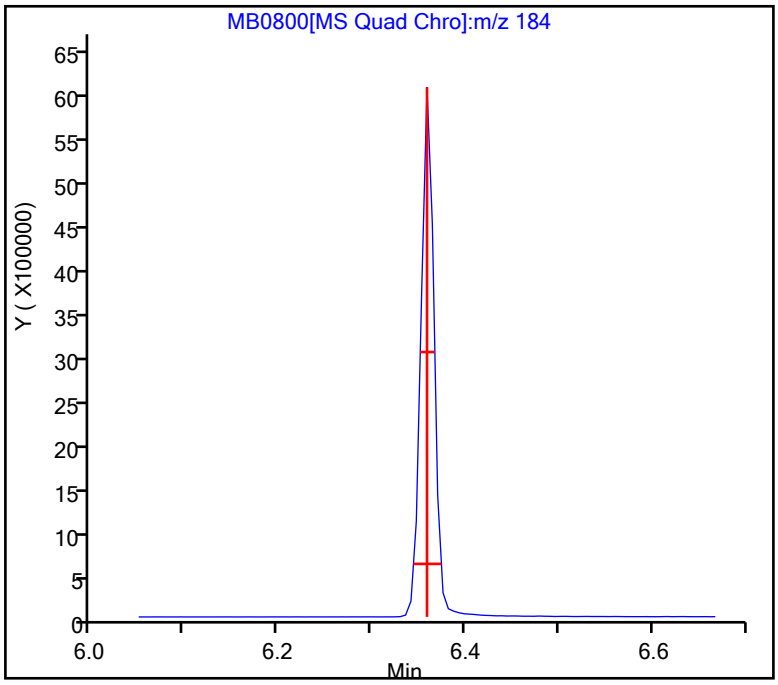
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0800.D
Injection Date: 24-Feb-2023 03:39:43 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

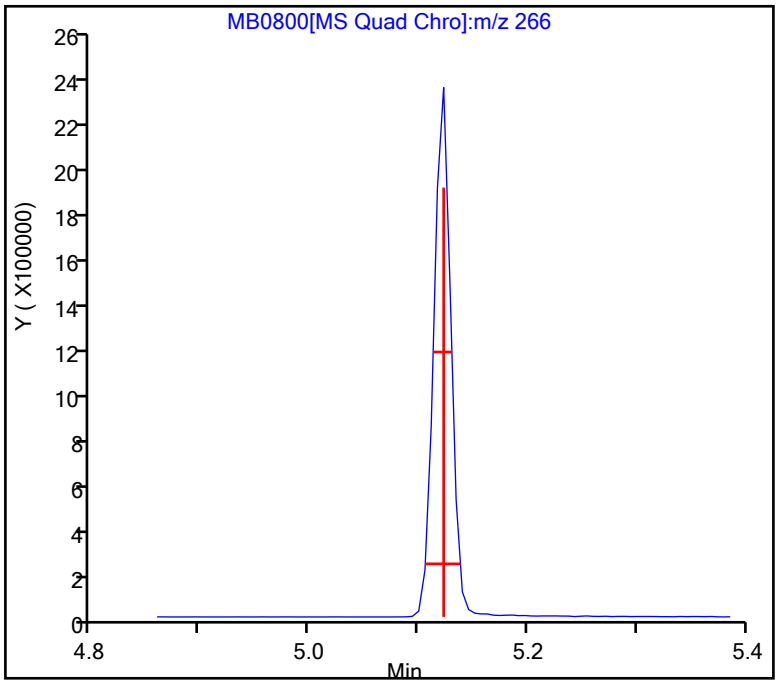
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0800.D
Injection Date: 24-Feb-2023 03:39:43 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.88, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0450a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 21-Feb-2023 22:31:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0077517-001
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 22-Feb-2023 03:35:46 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: UJM0 Date: 22-Feb-2023 03:35:46

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	4.565	4.565	0.000	97	1611466	NR	NR	
45 DFTPP									
46 Benzidine_T	184	5.847	5.847	0.000	99	6019549	NR	NR	
47 4,4'-DDE	246	6.003	6.003	0.000	76	6953		NR	
48 4,4'-DDD	235	6.286	6.286	0.000	93	23457		NR	
49 4,4'-DDT	235	6.540	6.540	0.000	97	2814012	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

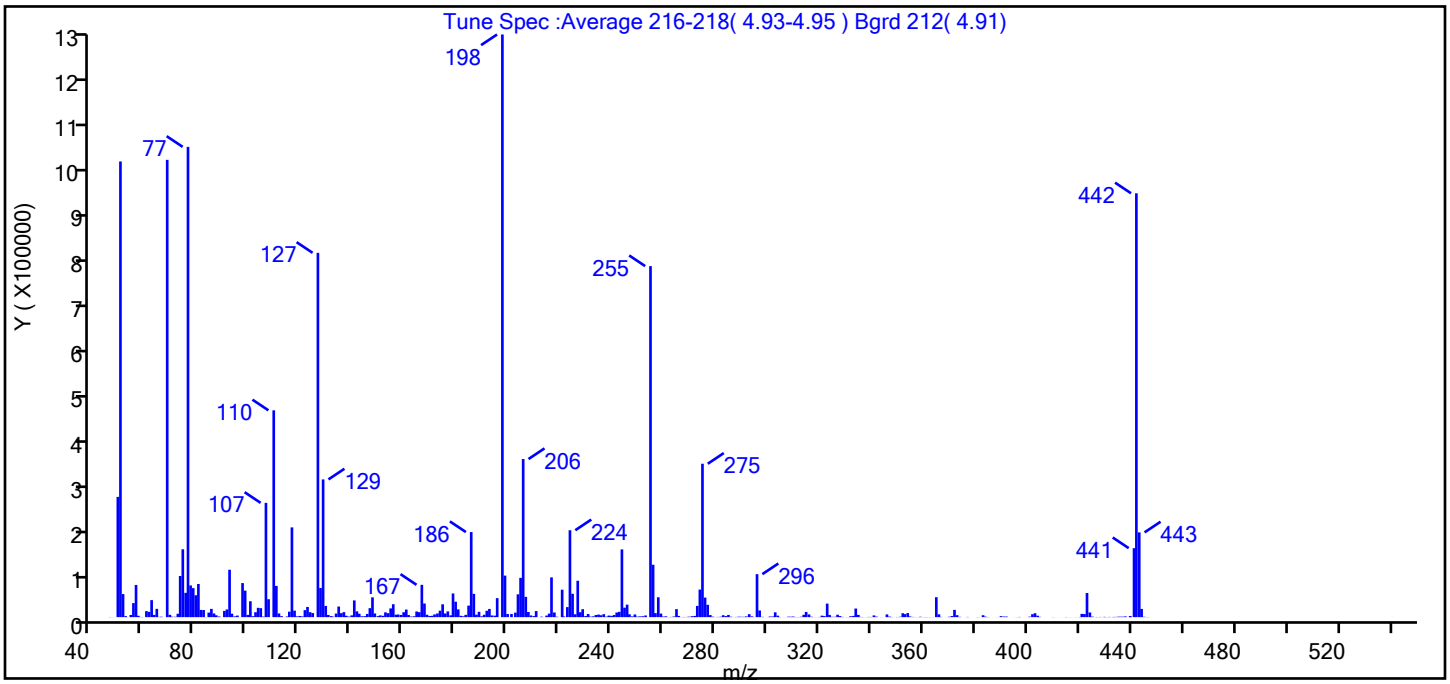
MSS_RVDFTPP_00012 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0450a.D
Injection Date: 21-Feb-2023 22:31:30 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 (137.5)
51	10-80% of the base peak	78.2
68	<2% of mass 69	0.0 (0.0)
69	Present	78.5
70	<2% of mass 69	0.4 (0.5)
127	10-80% of the base peak	62.5
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	26.3
365	>1% of mass 198	3.4
441	present but <24% of mass 442	11.8 (16.3)
442	base peak, or >50% of 198	72.7
443	15-24% of mass 442	14.5 (20.0)

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0450a.D\8270_SIM_HP23263.rslt\spectr
Injection Date: 21-Feb-2023 22:31:30
Spectrum: Tune Spec :Average 216-218(4.93-4.95) Bgrd 212(4.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
47.00	283	145.00	2130	241.00	4451	335.00	4763
48.00	145	146.00	6813	242.00	9867	336.00	459
50.00	255744	147.00	19088	243.00	11251	337.00	208
51.00	969024	148.00	42088	244.00	144064	338.00	134
52.00	49072	149.00	7847	245.00	20152	339.00	473
53.00	2190	150.00	2215	246.00	26536	340.00	405
54.00	240	151.00	3728	247.00	6049	341.00	3695
55.00	4651	152.00	2856	248.00	1587	342.00	1099
56.00	29856	153.00	10239	249.00	5695	344.00	182
57.00	68416	154.00	8382	250.00	1156	346.00	5802
58.00	2934	155.00	18592	251.00	1649	347.00	1242
59.00	435	156.00	27512	252.00	1891	348.00	337
60.00	173	157.00	5184	253.00	3524	349.00	59
61.00	12866	158.00	5604	255.00	746496	350.00	340
62.00	11240	159.00	4693	256.00	111424	351.00	810
63.00	36160	160.00	10366	257.00	8524	352.00	8290
64.00	4762	161.00	16156	258.00	42232	353.00	6396
65.00	17624	162.00	4452	259.00	7572	354.00	8661
66.00	572	163.00	1340	260.00	1179	355.00	1523
67.00	871	164.00	1848	261.00	1761	356.00	499
69.00	972480	165.00	12008	262.00	222	357.00	197
70.00	4949	166.00	10583	263.00	451	358.00	170
71.00	991	167.00	68744	264.00	1389	359.00	822
72.00	802	168.00	28968	265.00	17048	360.00	275
73.00	7200	169.00	5023	266.00	2608	361.00	330
74.00	87528	170.00	2448	267.00	172	362.00	232
75.00	144320	171.00	2900	268.00	399	363.00	160
76.00	51608	172.00	5763	269.00	495	364.00	201
77.00	1000064	173.00	7800	270.00	949	365.00	42392
78.00	67432	174.00	13653	271.00	2023	366.00	5936
79.00	61728	175.00	27320	272.00	2592	367.00	475
80.00	46568	176.00	7816	273.00	23880	369.00	84
81.00	70440	177.00	12232	274.00	58672	370.00	847

Report Date: 22-Feb-2023 03:35:46 Chrom Revision: 2.3 15-Feb-2023 20:44:50
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0450a.D\8270_SIM_HP23263.rslt\spectr
Injection Date: 21-Feb-2023 22:31:30
Spectrum: Tune Spec :Average 216-218(4.93-4.95) Bgrd 212(4.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	15358	178.00	3829	275.00	326208	371.00	2287
83.00	15133	179.00	50416	276.00	41616	372.00	15458
84.00	295	180.00	32776	277.00	26192	373.00	4148
85.00	9689	181.00	16432	278.00	4392	374.00	639
86.00	17568	182.00	2825	279.00	1009	377.00	469
87.00	7841	183.00	1771	280.00	167	381.00	299
88.00	3836	184.00	4825	281.00	448	382.00	107
89.00	1362	185.00	24480	282.00	931	383.00	4069
91.00	13260	186.00	180928	283.00	4059	384.00	1085
92.00	16416	187.00	49560	284.00	2250	385.00	353
93.00	100784	188.00	5235	285.00	4681	388.00	94
94.00	7427	189.00	11340	286.00	891	389.00	53
95.00	1700	190.00	1810	287.00	119	390.00	2132
96.00	3310	191.00	5074	288.00	450	391.00	1282
97.00	192	192.00	13578	289.00	964	392.00	1249
98.00	72456	193.00	17448	290.00	792	395.00	66
99.00	56408	194.00	3573	291.00	745	396.00	191
100.00	4811	195.00	3107	292.00	1519	397.00	446
101.00	33768	196.00	40416	293.00	6297	401.00	1069
102.00	2010	198.00	1239040	294.00	1677	402.00	6216
103.00	10465	199.00	88352	295.00	135	403.00	8240
104.00	19832	200.00	6679	296.00	91440	404.00	3055
105.00	19112	202.00	6797	297.00	14200	405.00	612
106.00	1229	203.00	9565	298.00	659	410.00	280
107.00	243008	204.00	48544	299.00	106	412.00	65
108.00	38104	205.00	83552	300.00	167	413.00	56
110.00	439808	206.00	336192	301.00	1391	414.00	64
111.00	66488	207.00	43152	302.00	1447	415.00	319
112.00	7806	208.00	10983	303.00	10253	417.00	170
113.00	2134	209.00	3590	304.00	3091	418.00	141
114.00	120	210.00	2286	305.00	360	419.00	97
115.00	1389	211.00	12930	306.00	51	420.00	379
116.00	11608	212.00	111	307.00	121	421.00	6979
117.00	190848	213.00	1026	308.00	1003	422.00	6596

Report Date: 22-Feb-2023 03:35:46 Chrom Revision: 2.3 15-Feb-2023 20:44:50
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0450a.D\8270_SIM_HP23263.rslt\spectr
Injection Date: 21-Feb-2023 22:31:30
Spectrum: Tune Spec :Average 216-218(4.93-4.95) Bgrd 212(4.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	13826	214.00	98	309.00	844	423.00	51288
119.00	1716	215.00	3338	310.00	1280	424.00	9950
120.00	2499	216.00	7414	311.00	348	425.00	1097
121.00	1570	217.00	84552	312.00	349	426.00	181
122.00	14909	218.00	9936	313.00	905	427.00	318
123.00	21680	219.00	950	314.00	5015	428.00	446
124.00	10492	221.00	58368	315.00	11053	430.00	214
125.00	8663	222.00	1478	316.00	5717	430.00	566
127.00	774720	223.00	21320	317.00	895	431.00	232
128.00	61920	224.00	184832	318.00	200	432.00	498
129.00	292864	225.00	49680	319.00	157	433.00	413
130.00	23800	226.00	6058	320.00	502	434.00	502
131.00	4707	227.00	77392	321.00	3153	435.00	903
132.00	2190	228.00	10461	322.00	2218	436.00	993
133.00	1003	229.00	16944	323.00	28760	437.00	1026
134.00	7611	230.00	2374	324.00	4708	438.00	1523
135.00	22576	231.00	6594	325.00	760	440.00	2288
136.00	8434	232.00	1215	326.00	814	440.00	1225
137.00	10662	233.00	1734	327.00	5125	441.00	146688
138.00	2922	234.00	4601	328.00	2354	442.00	901312
139.00	1296	235.00	5497	329.00	590	443.00	180224
140.00	3730	236.00	4018	330.00	168	444.00	17520
141.00	35544	237.00	6315	331.00	292	445.00	742
142.00	12337	238.00	1133	332.00	1942	446.00	320
143.00	7178	239.00	3316	333.00	2613	540.00	54
144.00	1860	240.00	2780	334.00	18336		

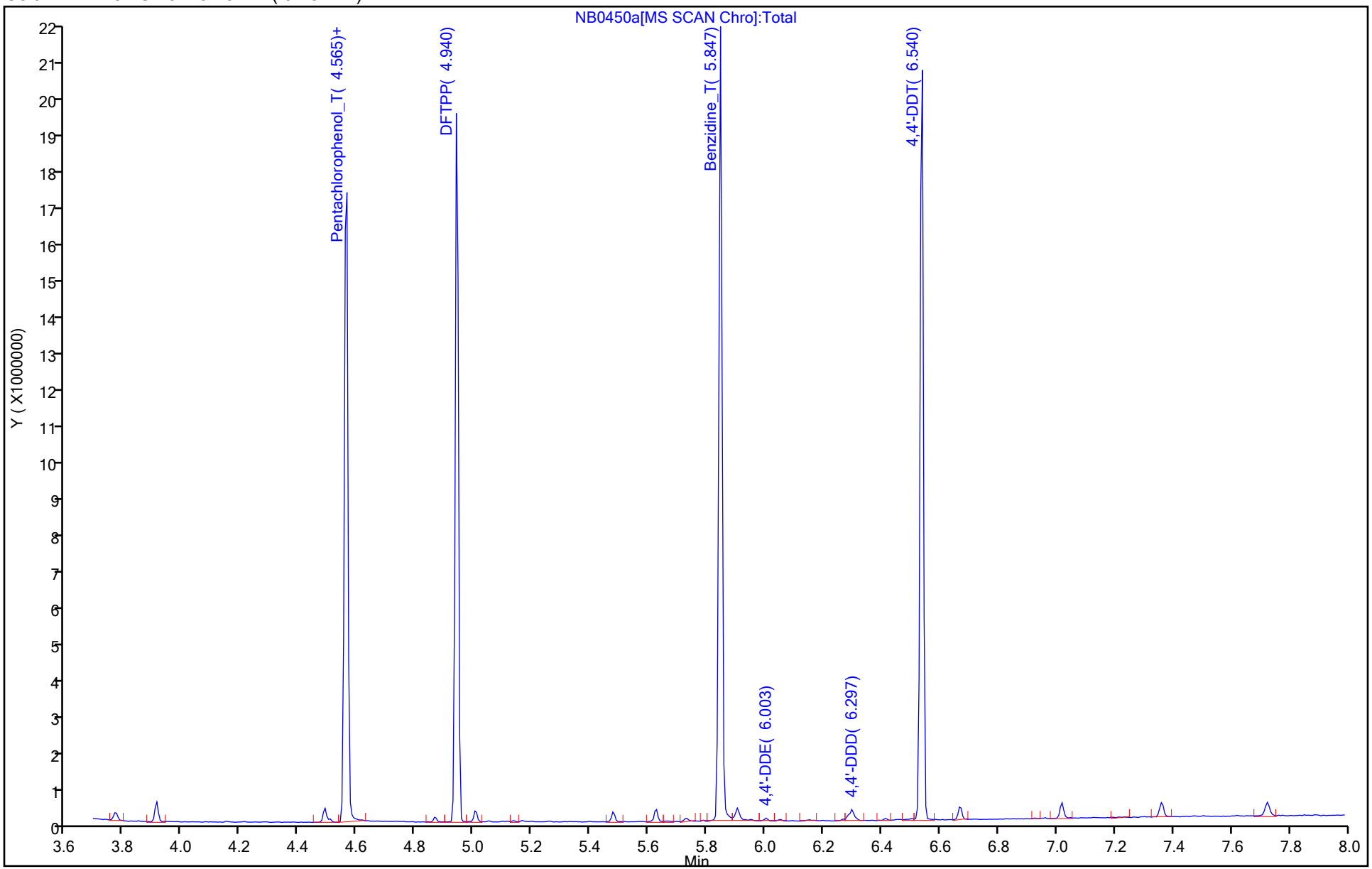
Report Date: 22-Feb-2023 03:35:46 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0450a.D

Injection Date:	21-Feb-2023 22:31:30	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\20230221-77517.b\NB0450a.D
Injection Date: 21-Feb-2023 22:31:30 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

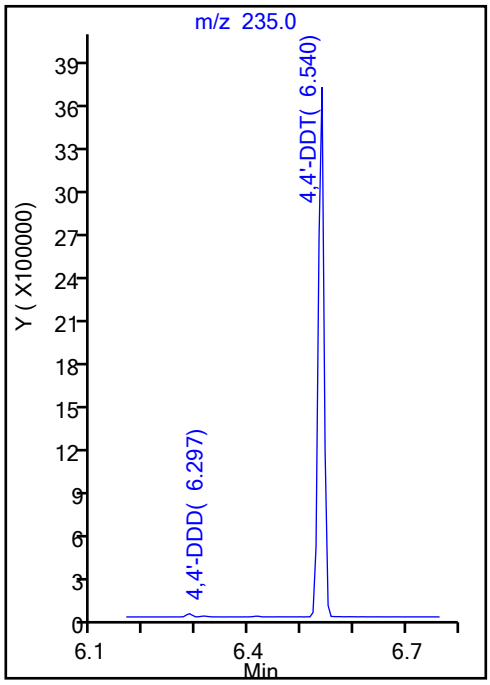
49 4,4'-DDT, Detector: MS SCAN

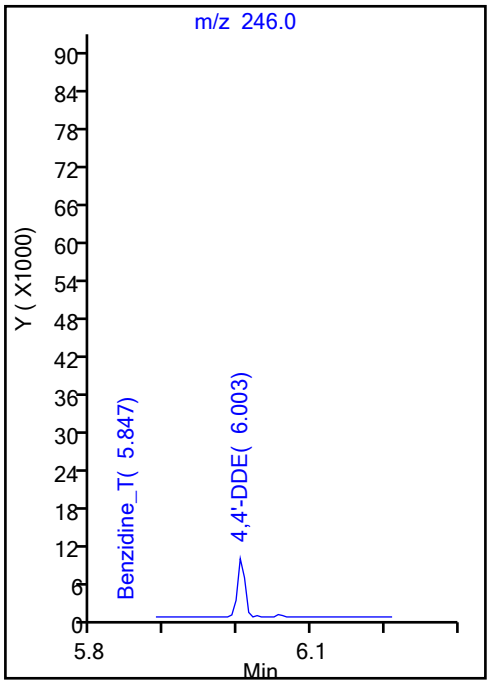
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 2814012
47 4,4'-DDE, Area = 6953
48 4,4'-DDD, Area = 23457

%Breakdown: 1.07%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

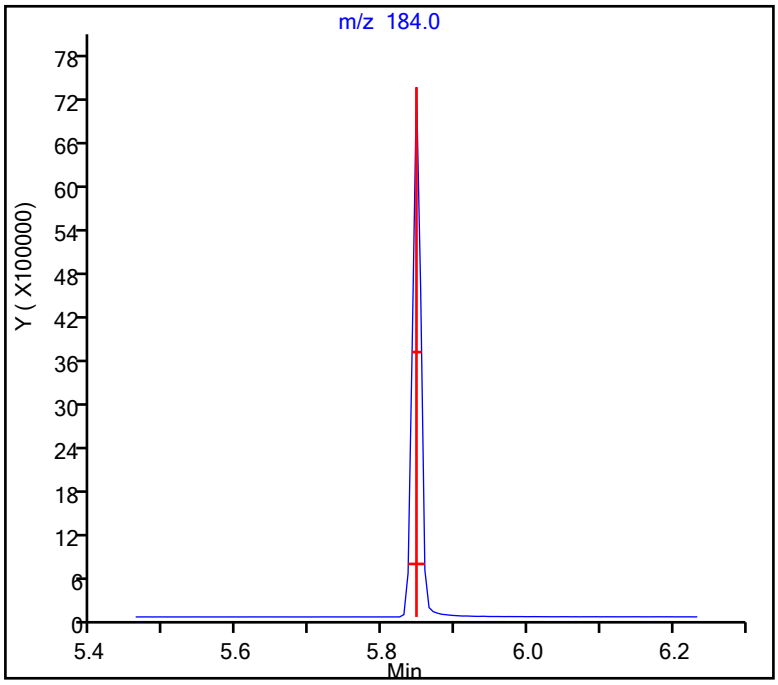
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0450a.D
Injection Date: 21-Feb-2023 22:31:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

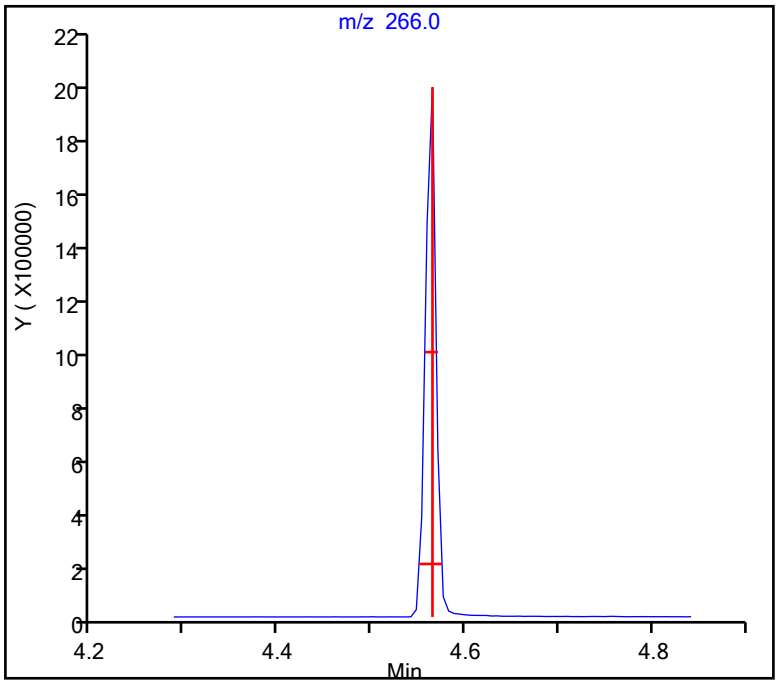
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0450a.D
Injection Date: 21-Feb-2023 22:31:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.71, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0750.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 28-Feb-2023 03:31:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0077901-001
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 28-Feb-2023 04:07:33 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: UJM0 Date: 28-Feb-2023 03:42:17

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	4.565	4.565	0.000	93	1665933	NR	NR	
45 DFTPP									
46 Benzidine_T	184	5.847	5.847	0.000	99	5338598	NR	NR	
47 4,4'-DDE	246	6.003	6.003	0.000	76	6304		NR	
48 4,4'-DDD	235	6.286	6.286	0.000	95	26683		NR	
49 4,4'-DDT	235	6.540	6.540	0.000	96	2818880	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

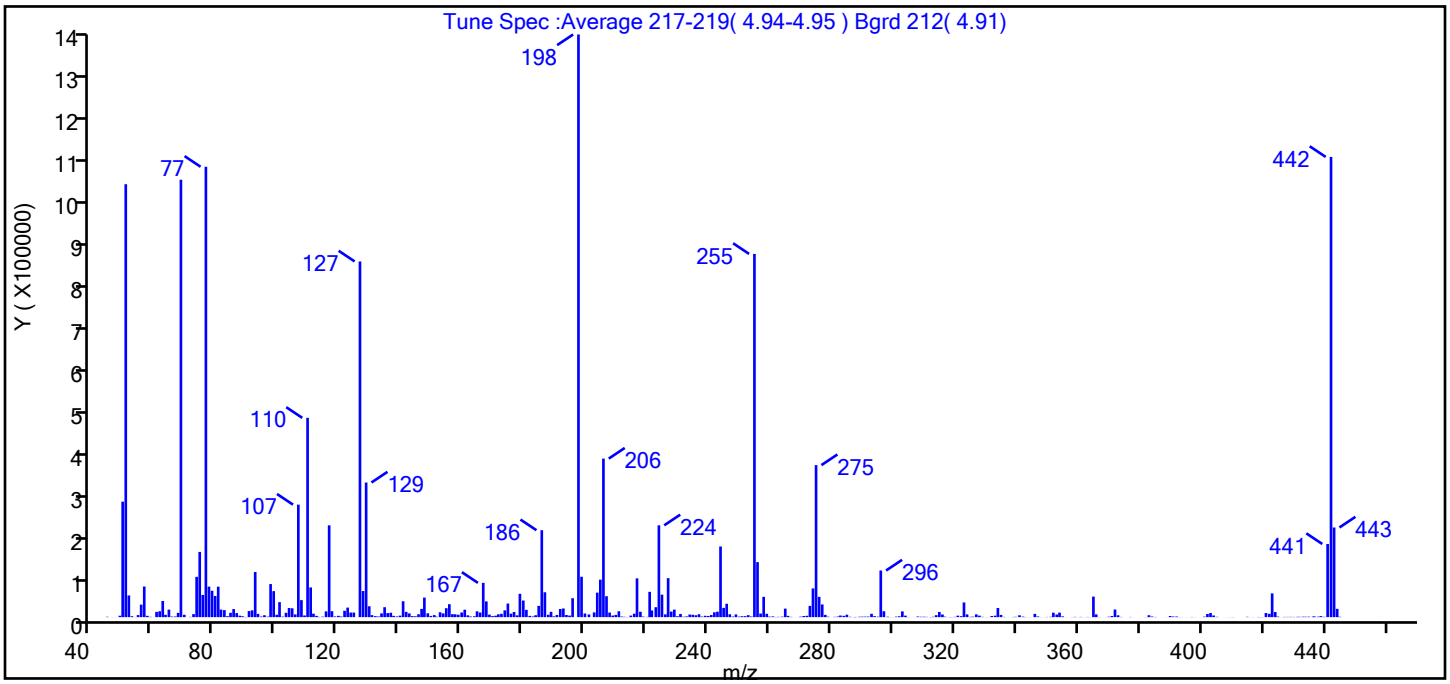
MSS_RVDFTPP_00012 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0750.D
Injection Date: 28-Feb-2023 03:31:30 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 (126.6)
51	10-80% of the base peak	74.3
68	<2% of mass 69	0.7 (1.0)
69	Present	75.1
70	<2% of mass 69	0.4 (0.5)
127	10-80% of the base peak	61.0
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	26.1
365	>1% of mass 198	3.5
441	present but <24% of mass 442	12.6 (15.9)
442	base peak, or >50% of 198	79.0
443	15-24% of mass 442	15.4 (19.5)

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0750.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 28-Feb-2023 03:31:30
Spectrum: Tune Spec :Average 217-219(4.94-4.95) Bgrd 212(4.91)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	830	143.00	8304	240.00	2687	337.00	122
47.00	176	144.00	2327	241.00	4650	339.00	441
48.00	101	145.00	1982	242.00	10876	340.00	749
49.00	3153	146.00	6440	243.00	12231	341.00	4186
50.00	258432	147.00	18480	244.00	158144	342.00	1184
51.00	968960	148.00	43808	245.00	20776	343.00	387
52.00	48512	149.00	8617	246.00	29920	344.00	146
53.00	2073	150.00	2739	247.00	6386	345.00	63
54.00	238	151.00	4575	248.00	1346	346.00	7350
55.00	4610	152.00	1162	249.00	6094	347.00	1558
56.00	27968	153.00	10872	250.00	1181	348.00	173
57.00	68568	154.00	8431	251.00	2074	350.00	456
58.00	2961	155.00	20032	252.00	2222	351.00	849
59.00	684	156.00	28960	253.00	4417	352.00	9982
60.00	83	157.00	6653	254.00	1356	353.00	5925
61.00	11750	158.00	6445	255.00	812928	354.00	10115
62.00	13223	159.00	5358	256.00	123160	355.00	1770
63.00	36160	160.00	10356	257.00	8070	356.00	191
64.00	5222	161.00	16656	258.00	45400	358.00	201
65.00	16816	162.00	4072	259.00	7496	359.00	609
66.00	1329	163.00	1444	260.00	1242	360.00	90
67.00	1461	164.00	2014	261.00	1669	361.00	526
68.00	9621	165.00	13086	262.00	387	362.00	183
69.00	978944	166.00	10357	263.00	639	363.00	440
70.00	5275	167.00	76744	264.00	1150	364.00	171
72.00	580	168.00	35240	265.00	19072	365.00	45944
73.00	6785	169.00	5671	266.00	2857	366.00	6198
74.00	90192	170.00	2381	267.00	583	367.00	397
75.00	145984	171.00	3249	268.00	69	368.00	58
76.00	49704	172.00	6342	269.00	119	369.00	137
77.00	1008000	173.00	7371	270.00	1107	370.00	943
78.00	68288	174.00	15162	271.00	2552	371.00	2511
79.00	59088	175.00	30448	272.00	3028	372.00	17080

Report Date: 28-Feb-2023 04:07:33 Chrom Revision: 2.3 15-Feb-2023 20:44:50
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0750.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 28-Feb-2023 03:31:30
Spectrum: Tune Spec :Average 217-219(4.94-4.95) Bgrd 212(4.91)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	47376	176.00	7750	273.00	25176	373.00	4116
81.00	68152	177.00	11557	274.00	64272	374.00	488
82.00	16888	178.00	4059	275.00	340224	377.00	480
83.00	15749	179.00	52272	276.00	45416	378.00	70
84.00	2183	180.00	37184	277.00	28408	382.00	256
85.00	9705	181.00	16359	278.00	5035	383.00	4302
86.00	18016	182.00	2932	279.00	1012	384.00	1478
87.00	9068	183.00	1531	281.00	679	385.00	478
88.00	3217	184.00	4273	282.00	1348	388.00	66
89.00	2012	185.00	25192	283.00	3667	389.00	110
90.00	466	186.00	194560	284.00	2860	390.00	2553
91.00	13582	187.00	55704	285.00	5415	391.00	1402
92.00	15226	188.00	5279	286.00	800	392.00	1401
93.00	100984	189.00	11883	288.00	280	393.00	247
94.00	7320	190.00	1796	288.00	459	395.00	59
95.00	1312	191.00	4778	289.00	957	396.00	128
96.00	4284	192.00	18176	290.00	1024	397.00	395
97.00	1112	193.00	19392	291.00	1163	398.00	160
98.00	74048	194.00	4823	292.00	1295	400.00	65
99.00	58256	195.00	3508	293.00	7502	401.00	1107
100.00	5324	196.00	42352	294.00	2266	402.00	7007
101.00	33536	198.00	1304064	295.00	1056	403.00	9241
102.00	1189	199.00	90400	296.00	104400	404.00	3738
103.00	9749	200.00	8172	297.00	13236	405.00	718
104.00	20392	201.00	6027	298.00	936	408.00	69
105.00	19840	203.00	10656	299.00	273	409.00	232
106.00	6091	204.00	54816	300.00	157	410.00	317
107.00	251776	205.00	83976	301.00	1165	415.00	754
108.00	38096	206.00	354816	302.00	2029	416.00	126
109.00	3770	207.00	46856	303.00	12886	417.00	208
110.00	446016	208.00	10296	304.00	3374	419.00	404
111.00	66488	209.00	3537	305.00	321	419.00	159
112.00	7760	210.00	4990	307.00	98	420.00	330
113.00	2877	211.00	13172	308.00	1391	421.00	9290

Report Date: 28-Feb-2023 04:07:33 Chrom Revision: 2.3 15-Feb-2023 20:44:50
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0750.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 28-Feb-2023 03:31:30
Spectrum: Tune Spec :Average 217-219(4.94-4.95) Bgrd 212(4.91)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
114.00	619	212.00	1297	309.00	852	422.00	7487
115.00	1083	213.00	757	310.00	969	423.00	53216
116.00	12934	214.00	354	311.00	579	424.00	11457
117.00	205504	215.00	3489	312.00	316	425.00	1233
118.00	13376	216.00	7736	313.00	931	426.00	174
119.00	1571	217.00	86856	314.00	4406	427.00	510
120.00	2997	218.00	12029	315.00	11566	428.00	573
121.00	1352	219.00	1256	316.00	5912	429.00	621
122.00	14256	220.00	591	317.00	1083	430.00	522
123.00	21336	221.00	56656	318.00	292	431.00	647
124.00	10280	222.00	15020	319.00	308	432.00	775
125.00	10267	223.00	22256	320.00	580	433.00	1007
127.00	796096	224.00	205504	321.00	3291	434.00	900
128.00	58496	225.00	50264	322.00	2153	435.00	1079
129.00	301312	226.00	6274	323.00	32904	436.00	1187
130.00	24328	227.00	87296	324.00	6143	437.00	1454
131.00	4452	228.00	12462	325.00	709	438.00	1022
132.00	2305	229.00	16888	326.00	1143	439.00	2312
133.00	1451	230.00	2079	327.00	6209	440.00	786
134.00	8454	231.00	7221	328.00	3379	441.00	163712
135.00	22248	232.00	984	329.00	688	442.00	1030016
136.00	9059	233.00	1642	330.00	254	443.00	200640
137.00	9807	234.00	5860	331.00	110	444.00	18536
138.00	2907	235.00	5282	332.00	2501	445.00	909
139.00	1552	236.00	4232	333.00	3309	458.00	87
140.00	3347	237.00	6490	334.00	20512	464.00	56
141.00	35560	238.00	1292	335.00	4989		
142.00	11800	239.00	3054	336.00	580		

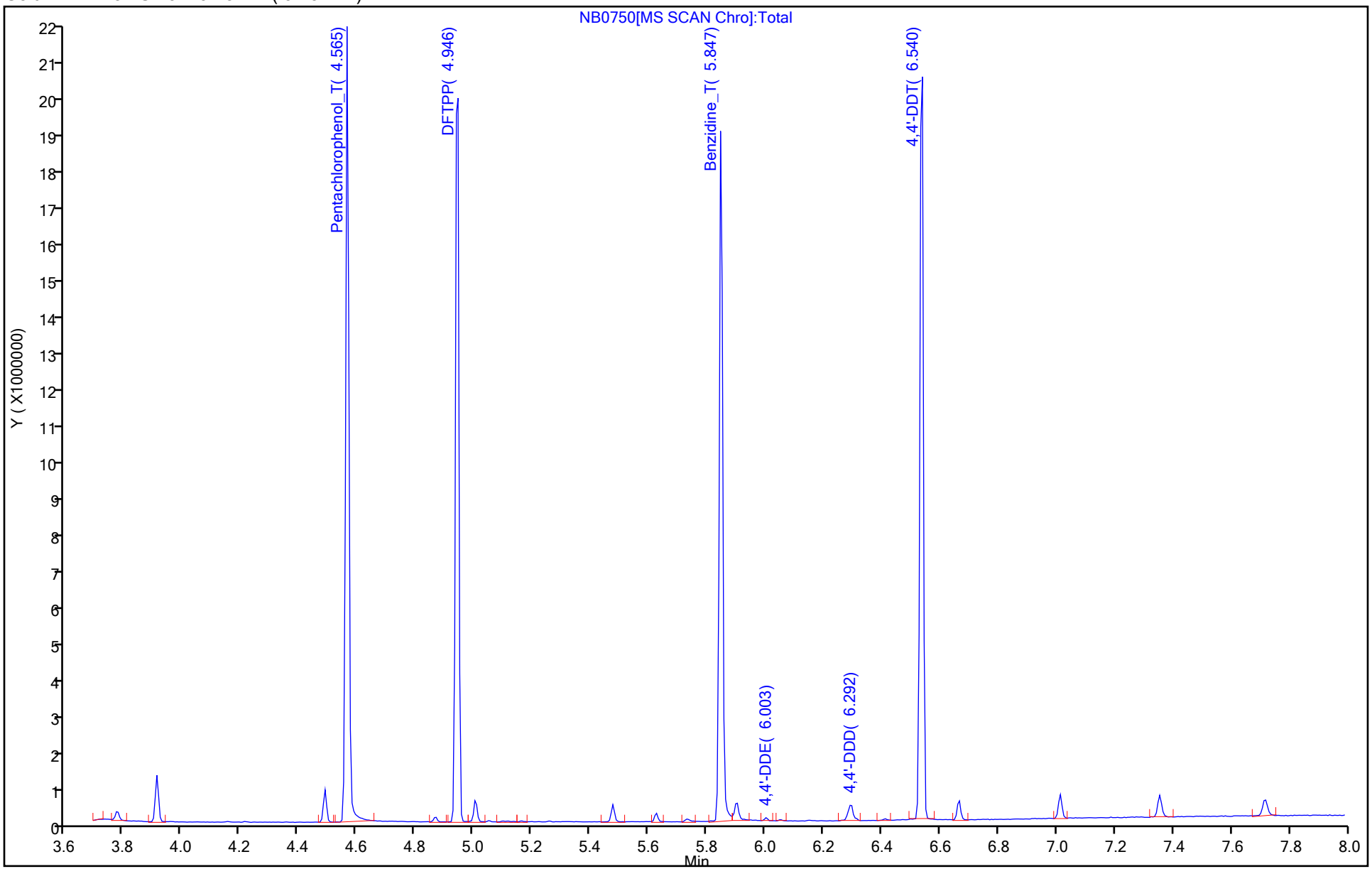
Report Date: 28-Feb-2023 04:07:33 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0750.D

Injection Date:	28-Feb-2023 03:31:30	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\20230228-77901.b\NB0750.D				
Injection Date:	28-Feb-2023 03:31:30	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		

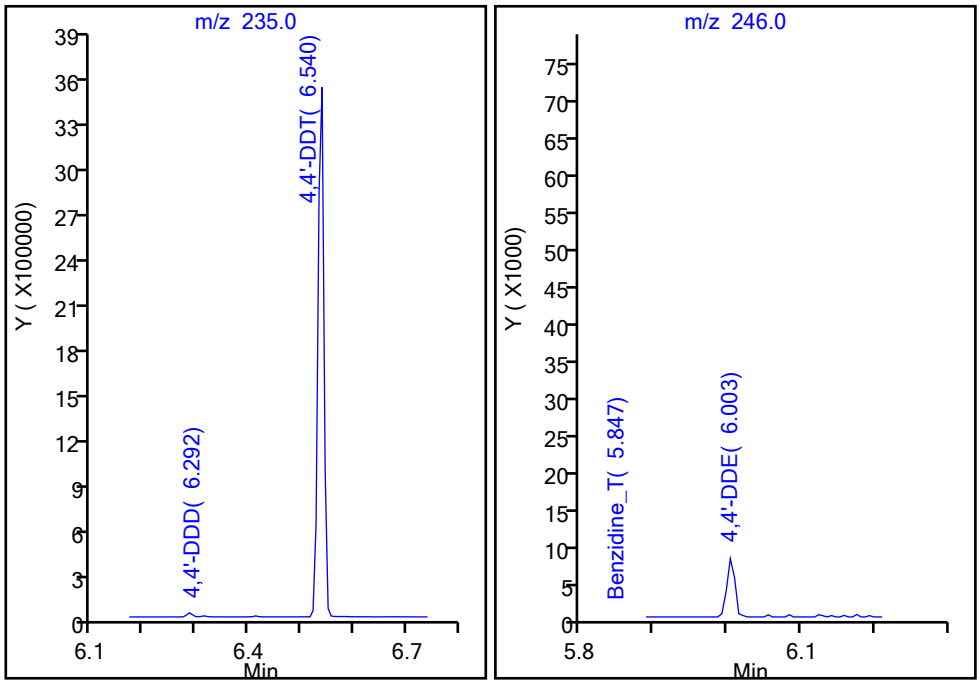
49 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 2818880
47 4,4'-DDE, Area = 6304
48 4,4'-DDD, Area = 26683

%Breakdown: 1.16%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

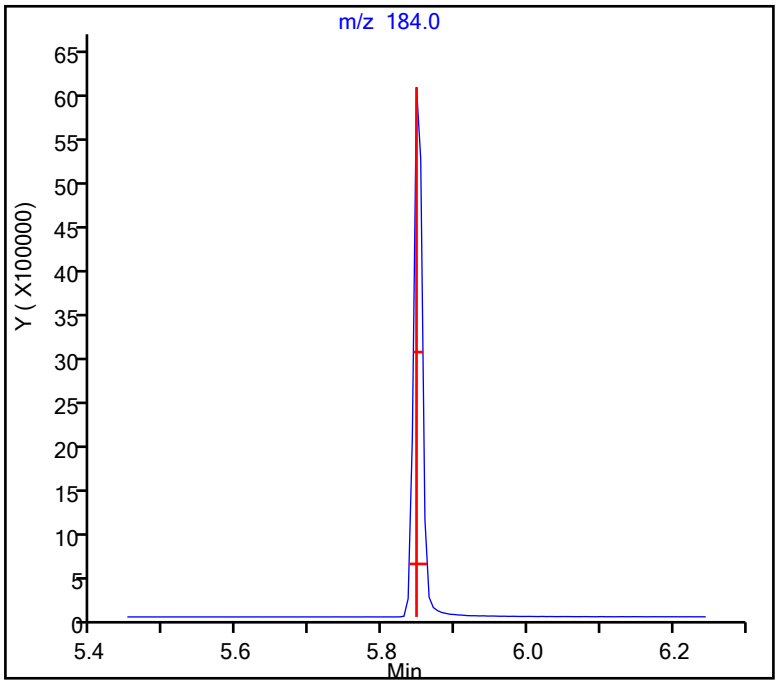
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0750.D
Injection Date: 28-Feb-2023 03:31:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.50, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

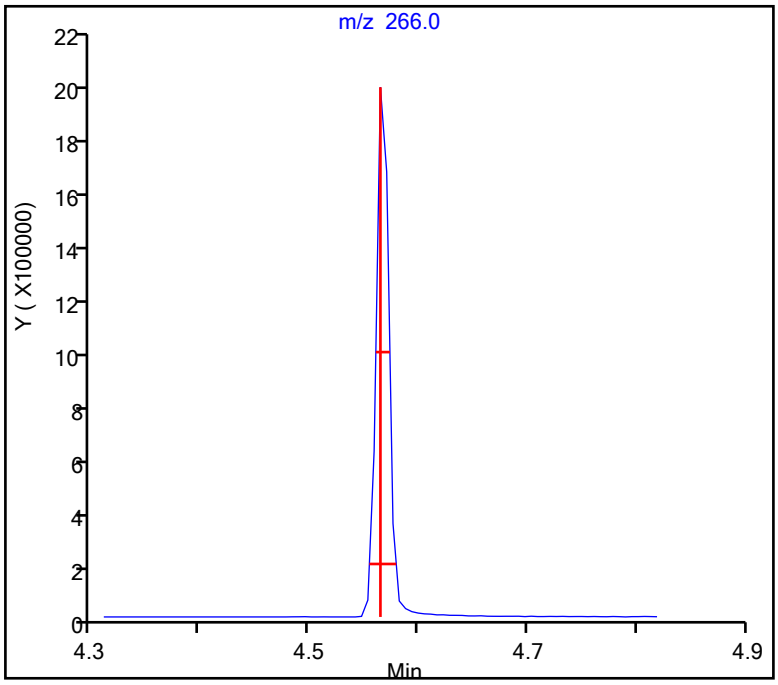
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0750.D
Injection Date: 28-Feb-2023 03:31:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.50, 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.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-347487/1-A

Matrix: Water
Lab File ID: MB0804.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 250(mL)
Date Analyzed: 02/24/2023 05:18

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.: 347593
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
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1.0	0.050
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	0.202	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.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-347487/1-A

Matrix: Water
Lab File ID: MB0804.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 250(mL)
Date Analyzed: 02/24/2023 05:18

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.: 347593
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	93		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	99		10-110
93951-69-0	Fluoranthene-d10 (Surr)	93		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0804.D
Lims ID: MB 410-347487/1-A
Client ID:
Sample Type: MB
Inject. Date: 24-Feb-2023 05:18:34 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-347487/1-A
Misc. Info.: 410-0077710-005
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 24-Feb-2023 20:28:40 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:05:11

	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	1.824	1.832	0.018	87	901		0.007137	7M
*	4 1,4-Dichlorobenzene-d4	152	4.543	4.544	-0.001	85	73268	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.743	5.743	0.000	91	231141	0.2500	0.2500	
$	9 1-Methylnaphthalene-d10	152	6.470	6.470	0.000	98	111391	0.2500	0.2325	
*	13 Acenaphthene-d10	164	7.396	7.396	0.000	90	124522	0.2500	0.2500	
*	20 Phenanthrene-d10	188	8.802	8.809	-0.007	94	225633	0.2500	0.2500	
	23 Di-n-butyl phthalate	149	9.372	9.372	-0.006	100	38093		0.0504	M
$	24 Fluoranthene-d10 (Surr)	212	9.936	9.936	-0.006	98	201821	0.2500	0.2330	
*	29 Chrysene-d12	240	11.451	11.451	0.000	55	175400	0.2500	0.2500	
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.253	13.253	-0.008	100	182005	0.2500	0.2483	
*	38 Perylene-d12	264	13.368	13.376	-0.008	100	222897	0.2500	0.2500	
	40 Indeno[1,2,3-cd]pyrene	276	14.958	14.958	-0.008	99	807		0.000828	7M

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00033 Amount Added: 10.00 Units: uL Run Reagent

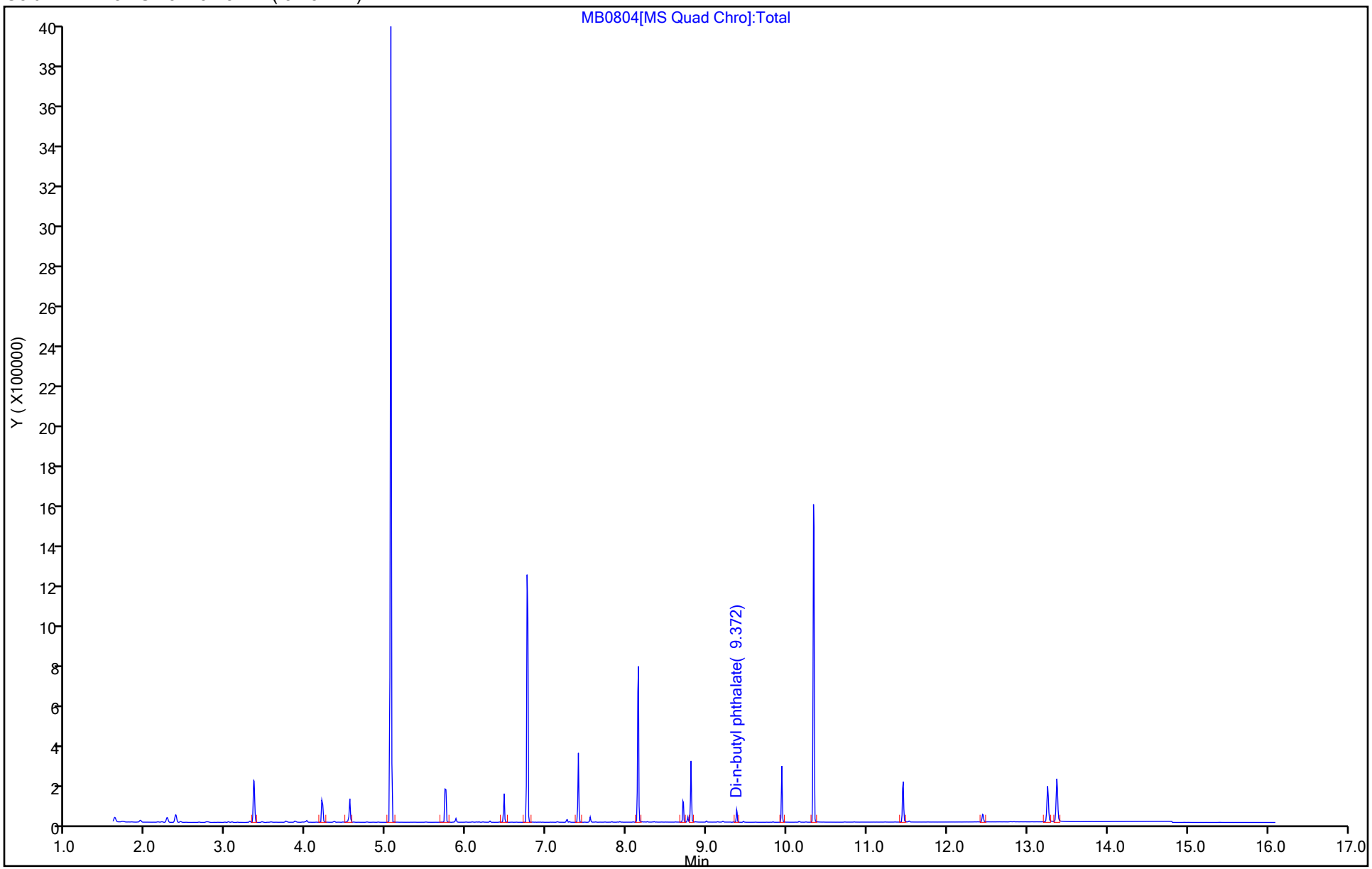
Report Date: 24-Feb-2023 20:28:56 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0804.D

Injection Date:	24-Feb-2023 05:18:34	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	MB 410-347487/1-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\20230224-77710.b\MB0804.D				
Lims ID:	MB 410-347487/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	24-Feb-2023 05:18:34	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 410-347487/1-A				
Misc. Info.:	410-0077710-005				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-Feb-2023 20:28:40	Calib Date:	26-Jan-2023 09:46:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:05:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2325	93.00
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2330	93.18
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2483	99.30

Report Date: 24-Feb-2023 20:28:56 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0804.D

Injection Date: 24-Feb-2023 05:18:34 Instrument ID: HP21585

Lims ID: MB 410-347487/1-A

Client ID:

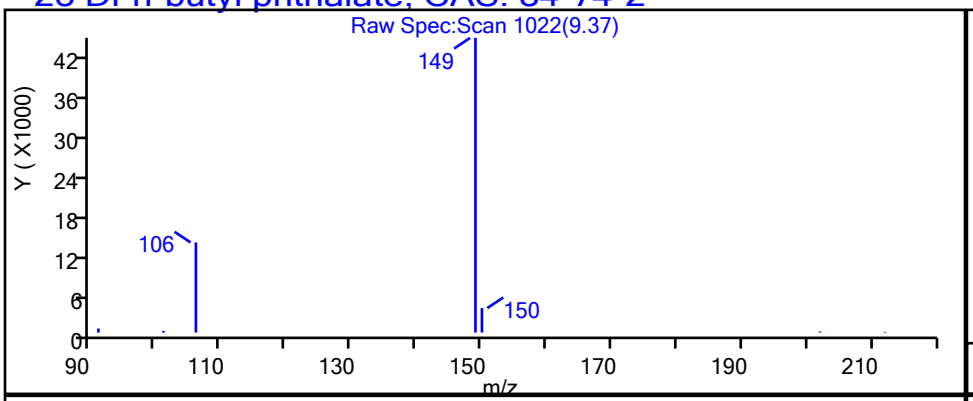
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 5

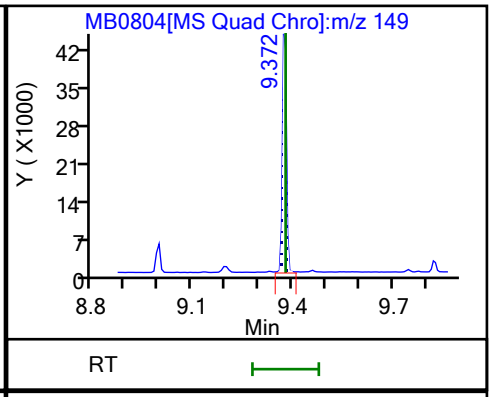
Injection Vol: 1.0 ul Dil. Factor: 1.0000

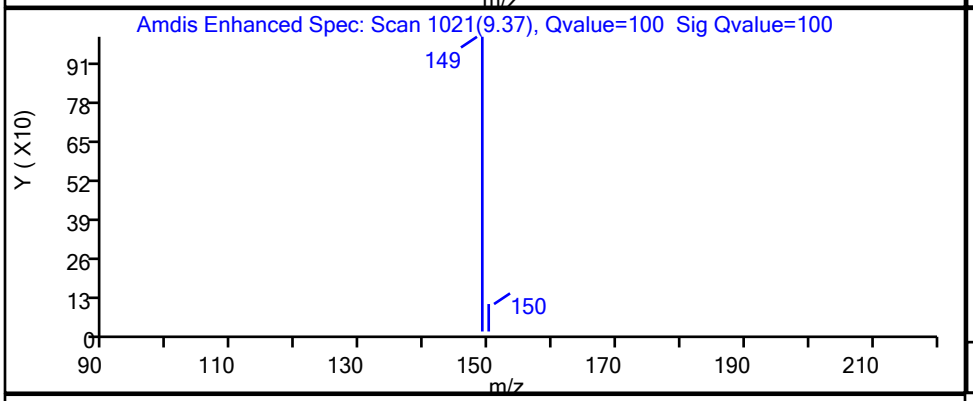
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

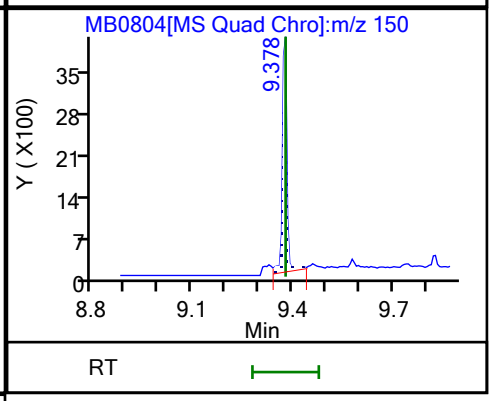
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

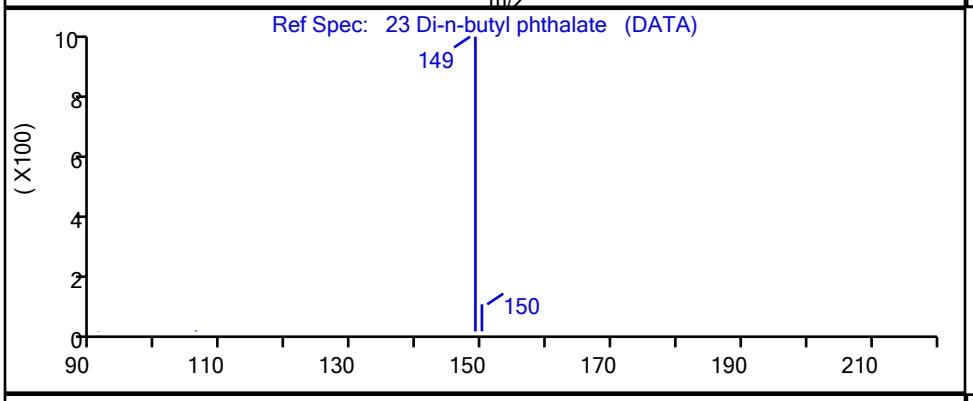
23 Di-n-butyl phthalate, CAS: 84-74-2

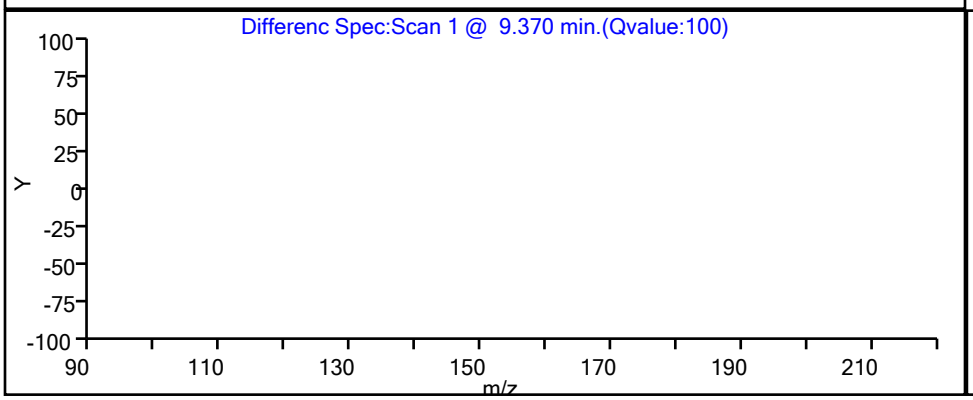


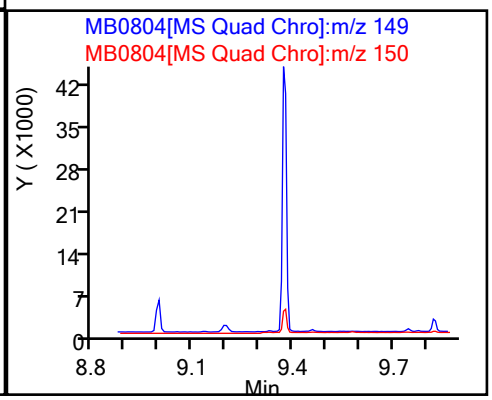












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

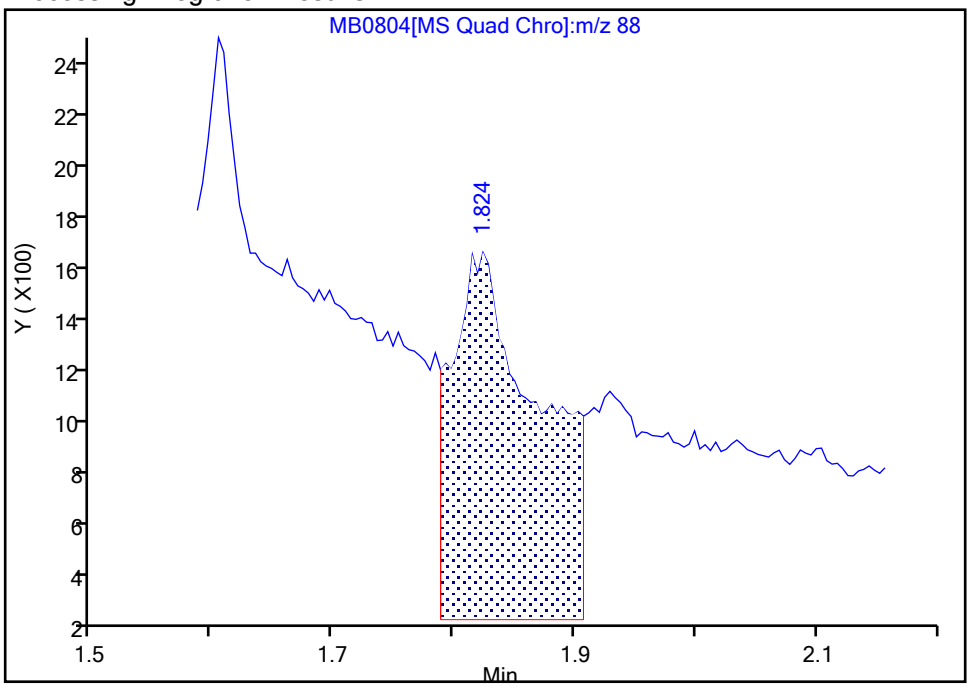
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0804.D				
Injection Date:	24-Feb-2023 05:18:34	Instrument ID:	HP21585		
Lims ID:	MB 410-347487/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

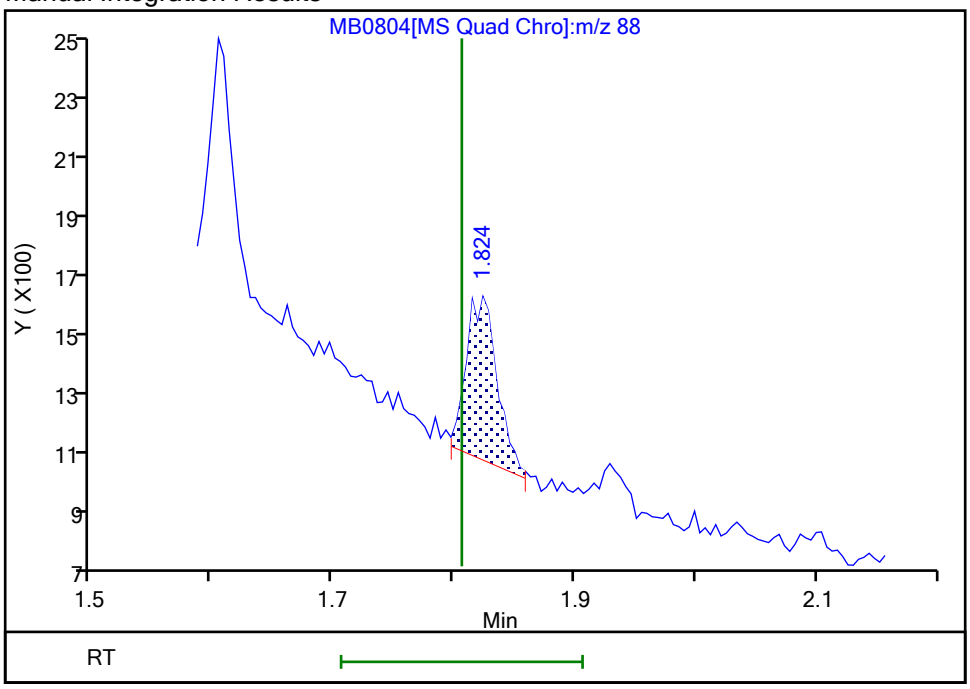
Processing Integration Results

RT: 1.82
Area: 6986
Amount: 0.055341
Amount Units: ug/ml



Manual Integration Results

RT: 1.82
Area: 901
Amount: 0.007137
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:04:41
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

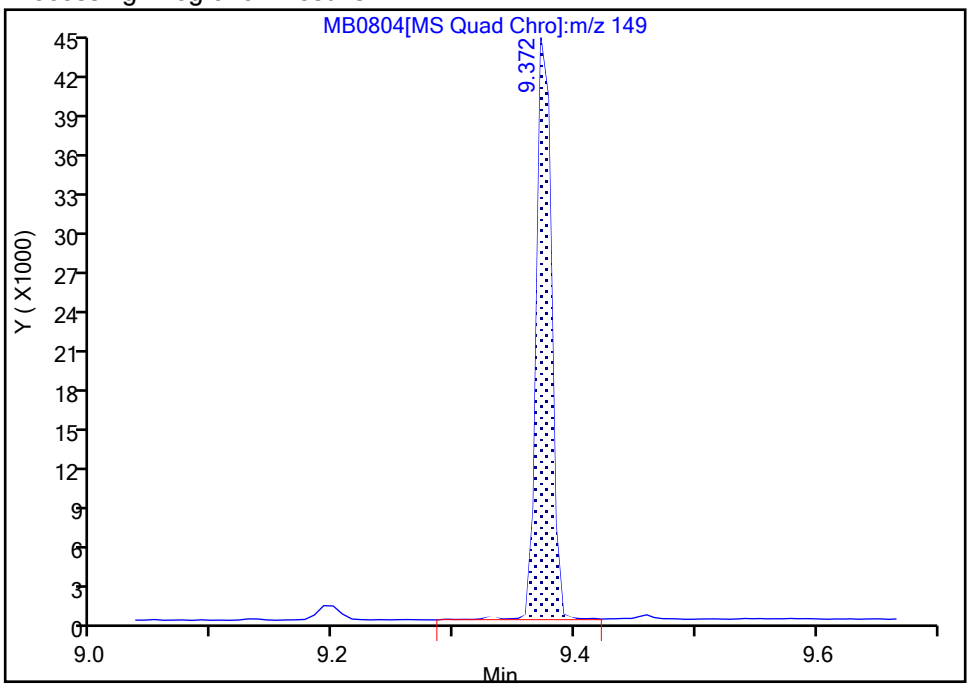
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0804.D				
Injection Date:	24-Feb-2023 05:18:34	Instrument ID:	HP21585		
Lims ID:	MB 410-347487/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

23 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

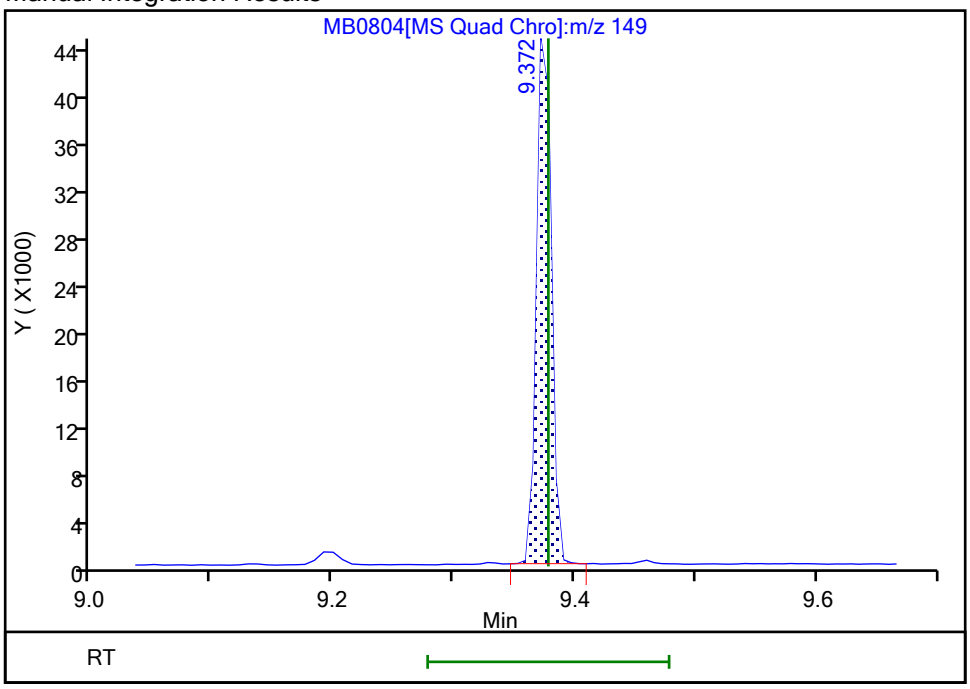
Processing Integration Results

RT: 9.37
Area: 38379
Amount: 0.050787
Amount Units: ug/ml



Manual Integration Results

RT: 9.37
Area: 38093
Amount: 0.050408
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:04:52

Audit Action: Manually Integrated Audit Reason: Baseline

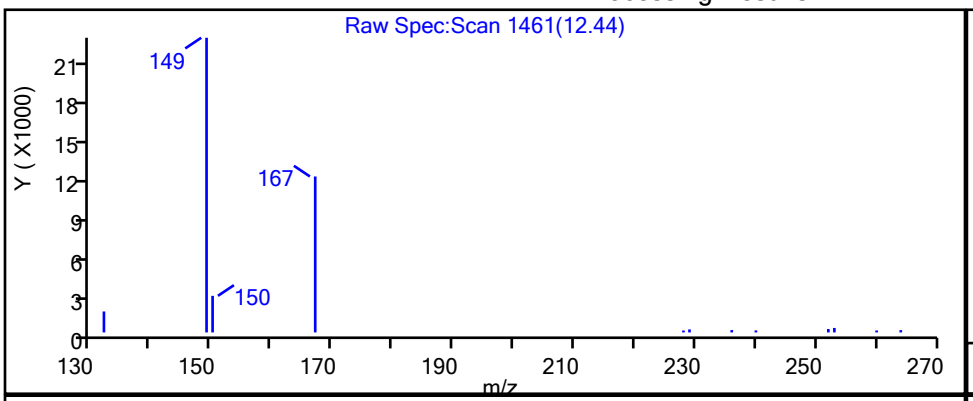
User Disabled Compound Report

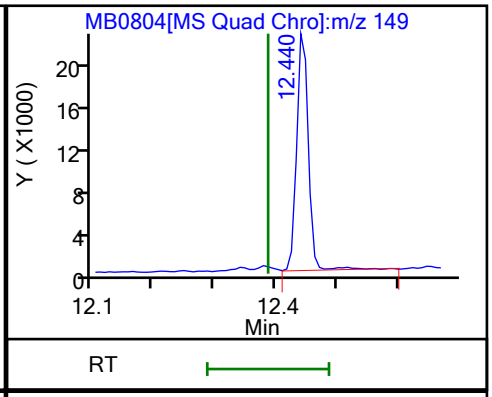
Eurofins Lancaster Laboratories Environment Testing, LLC

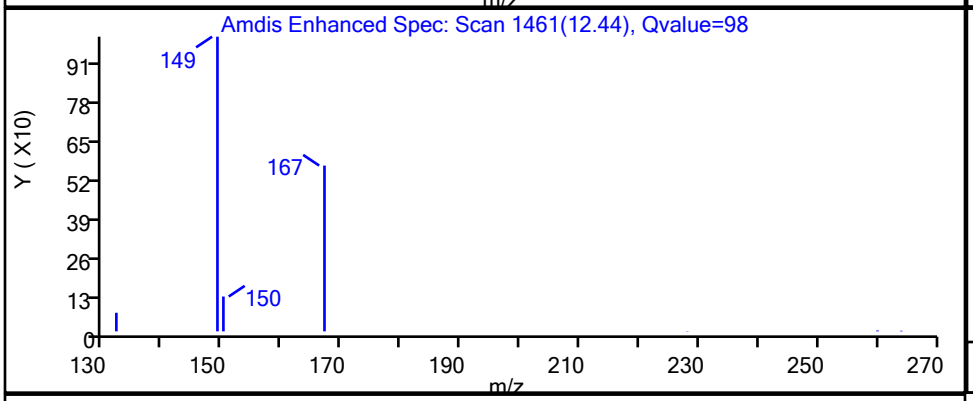
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0804.D				
Injection Date:	24-Feb-2023 05:18:34	Instrument ID:	HP21585		
Lims ID:	MB 410-347487/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

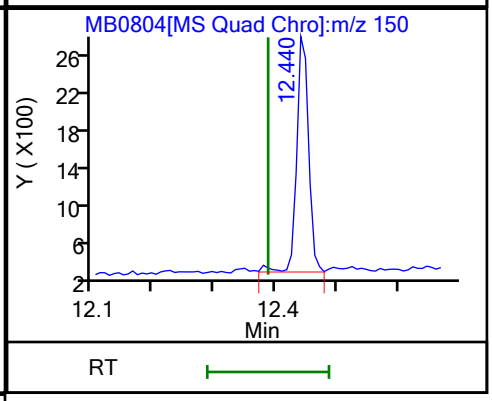
32 Di-n-octyl phthalate, CAS: 117-84-0

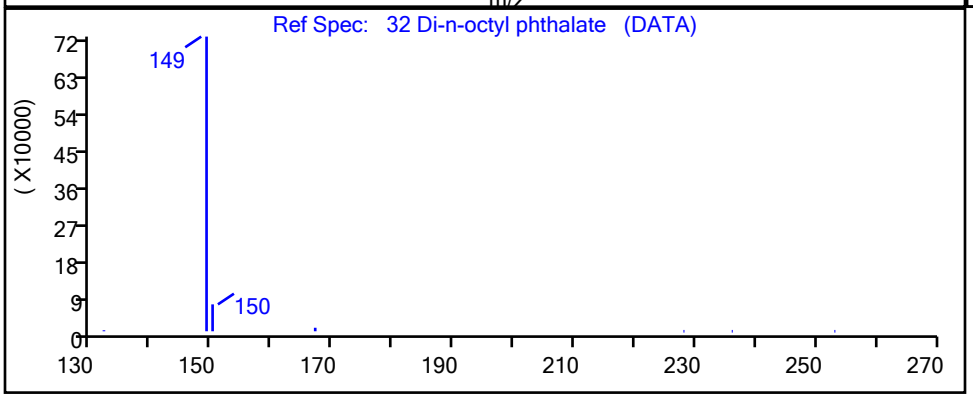
Processing Results











RT	Mass	Response	Amount
12.44	149.00	28874	0.041587
12.44	150.00	3407	

Reviewer: SJ89, 24-Feb-2023 18:04:58

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

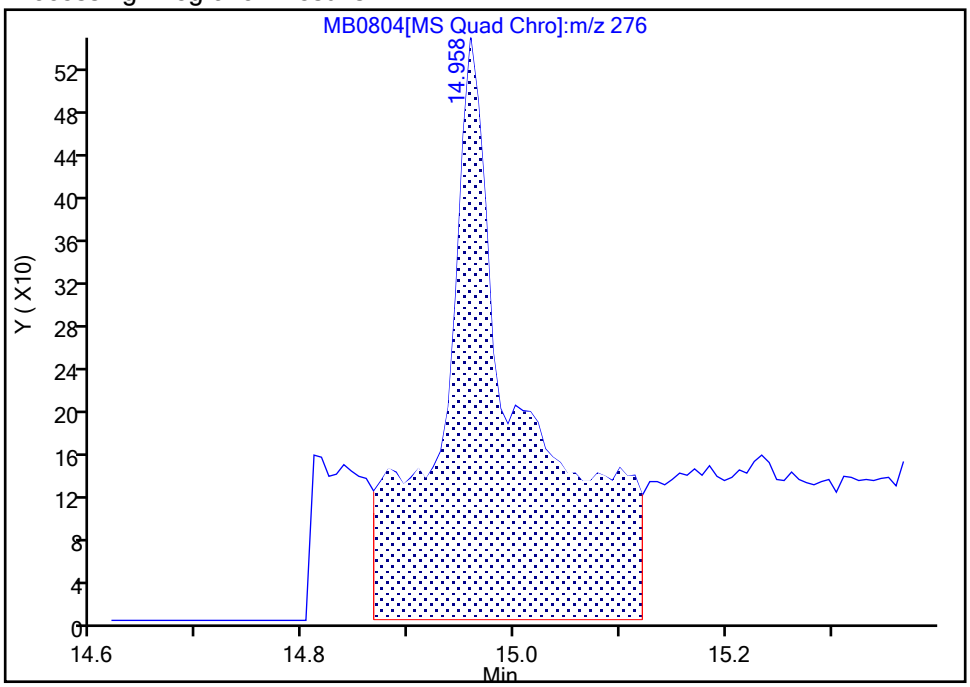
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0804.D				
Injection Date:	24-Feb-2023 05:18:34	Instrument ID:	HP21585		
Lims ID:	MB 410-347487/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

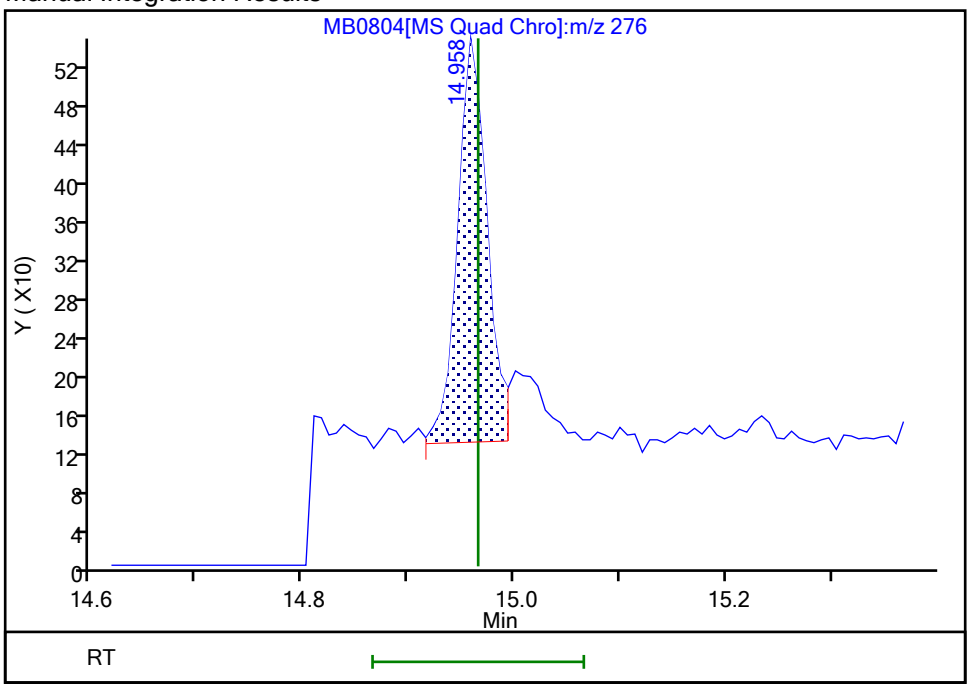
Processing Integration Results

RT: 14.96
Area: 2980
Amount: 0.003056
Amount Units: ug/ml



Manual Integration Results

RT: 14.96
Area: 807
Amount: 0.000828
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:05:05

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.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-348351/1-A

Matrix: Water
Lab File ID: NB0752.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 250(mL)
Date Analyzed: 02/28/2023 04:17

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.: 348434
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
117-81-7	Bis(2-ethylhexyl) phthalate	2.01		1.0	0.050
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	3.52		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.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-348351/1-A

Matrix: Water
Lab File ID: NB0752.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 250(mL)
Date Analyzed: 02/28/2023 04:17

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.: 348434
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	95		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	104		10-110
93951-69-0	Fluoranthene-d10 (Surr)	98		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0752.D
Lims ID: MB 410-348351/1-A
Client ID:
Sample Type: MB
Inject. Date: 28-Feb-2023 04:17:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-348351/1-A
Misc. Info.: 410-0077901-003
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 28-Feb-2023 15:57:44 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: UJM0 Date: 28-Feb-2023 04:57:05

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	4.582	4.582	0.000	93	38826	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.781	5.781	0.000	100	128821	0.2500	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.509	6.493	0.002	100	53149	0.2500	0.2371	
* 13 Acenaphthene-d10	164	7.441	7.438	0.003	95	52084	0.2500	0.2500	
* 20 Phenanthrene-d10	188	8.845	8.845	0.000	100	74570	0.2500	0.2500	
23 Di-n-butyl phthalate	149	9.408	9.401	-0.001	100	255540		0.8810	
$ 24 Fluoranthene-d10 (Surr)	212	9.978	9.971	-0.001	98	58935	0.2500	0.2445	
* 29 Chrysene-d12	240	11.518	11.519	-0.001	82	40423	0.2500	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.579	11.571	-0.001	99	52437		0.5031	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.374	13.366	-0.001	98	31474	0.2500	0.2612	
* 38 Perylene-d12	264	13.489	13.490	-0.001	99	35910	0.2500	0.2500	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVSIM_IS_00032 Amount Added: 10.00 Units: uL Run Reagent

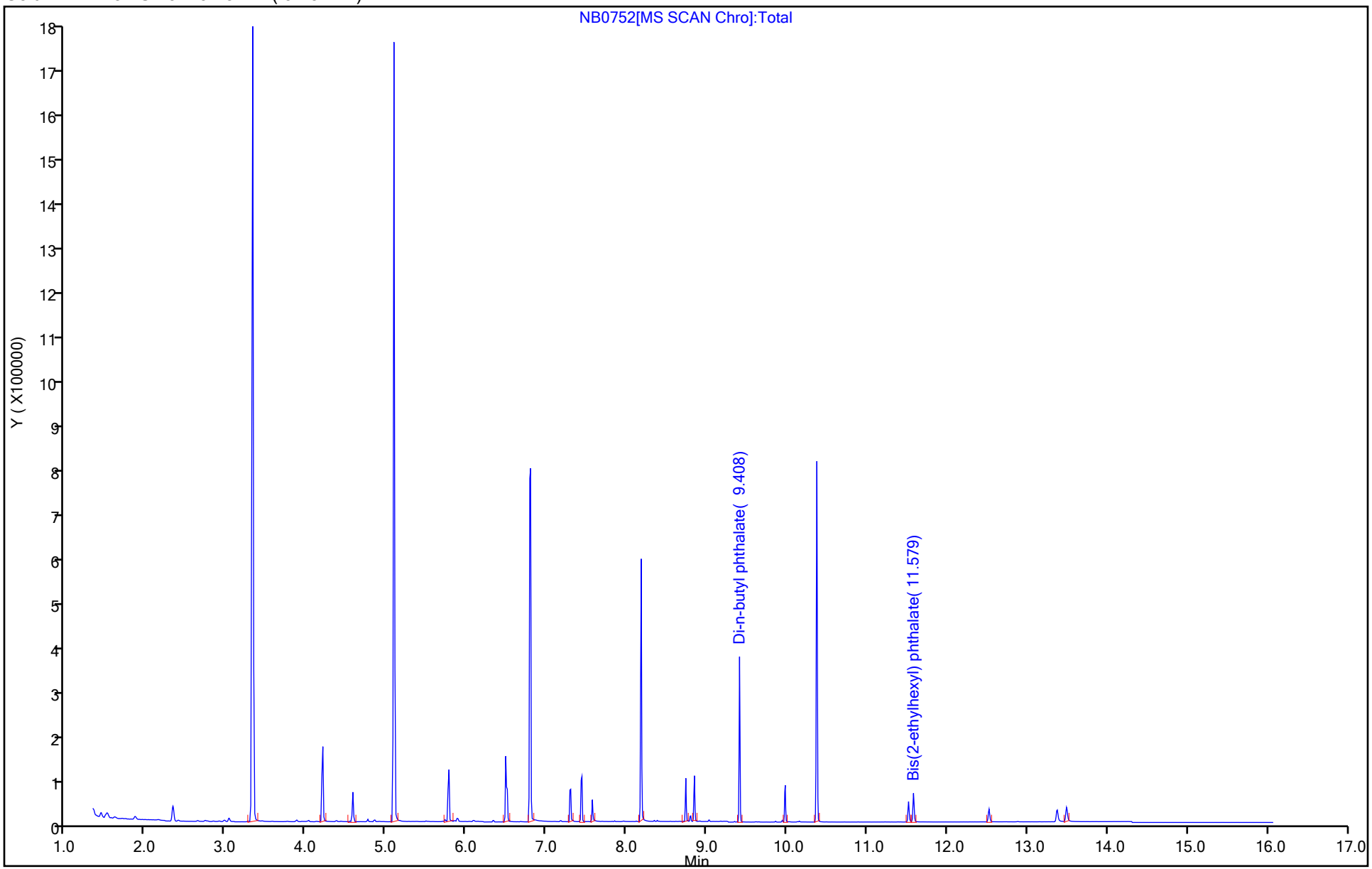
Report Date: 28-Feb-2023 15:57:54 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0752.D

Injection Date:	28-Feb-2023 04:17:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	MB 410-348351/1-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\20230228-77901.b\NB0752.D
Lims ID: MB 410-348351/1-A
Client ID:
Sample Type: MB
Inject. Date: 28-Feb-2023 04:17:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-348351/1-A
Misc. Info.: 410-0077901-003
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 28-Feb-2023 15:57:44 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: UJM0 Date: 28-Feb-2023 04:57:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2371	94.83
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2445	97.82
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2612	104.50

Report Date: 28-Feb-2023 15:57:54 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0752.D

Injection Date: 28-Feb-2023 04:17:30 Instrument ID: HP23263

Lims ID: MB 410-348351/1-A

Client ID:

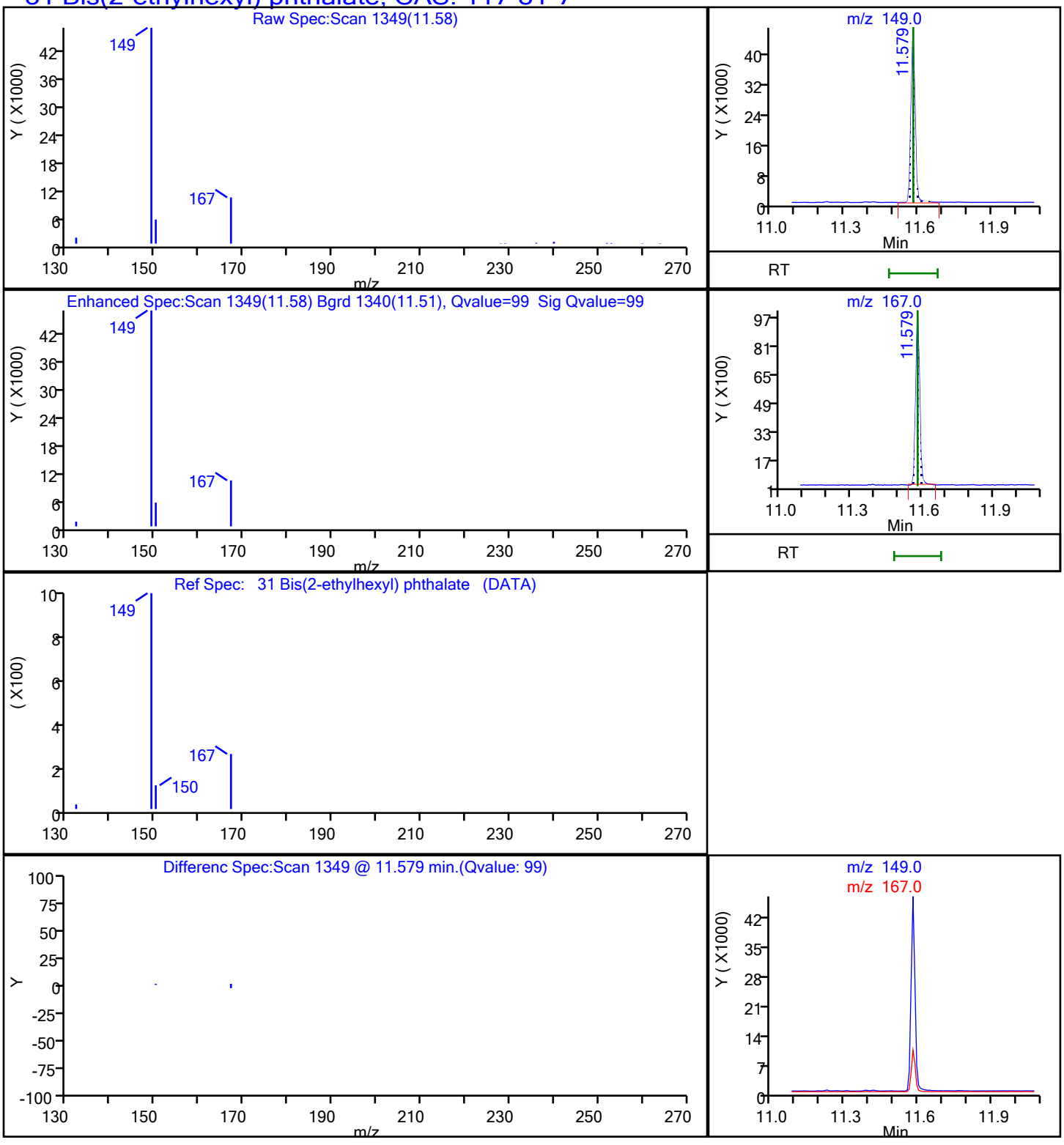
Operator ID: jmg00346 ALS Bottle#: 3 Worklist Smp#: 3

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: 28-Feb-2023 15:57:54 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0752.D

Injection Date: 28-Feb-2023 04:17:30 Instrument ID: HP23263

Lims ID: MB 410-348351/1-A

Client ID:

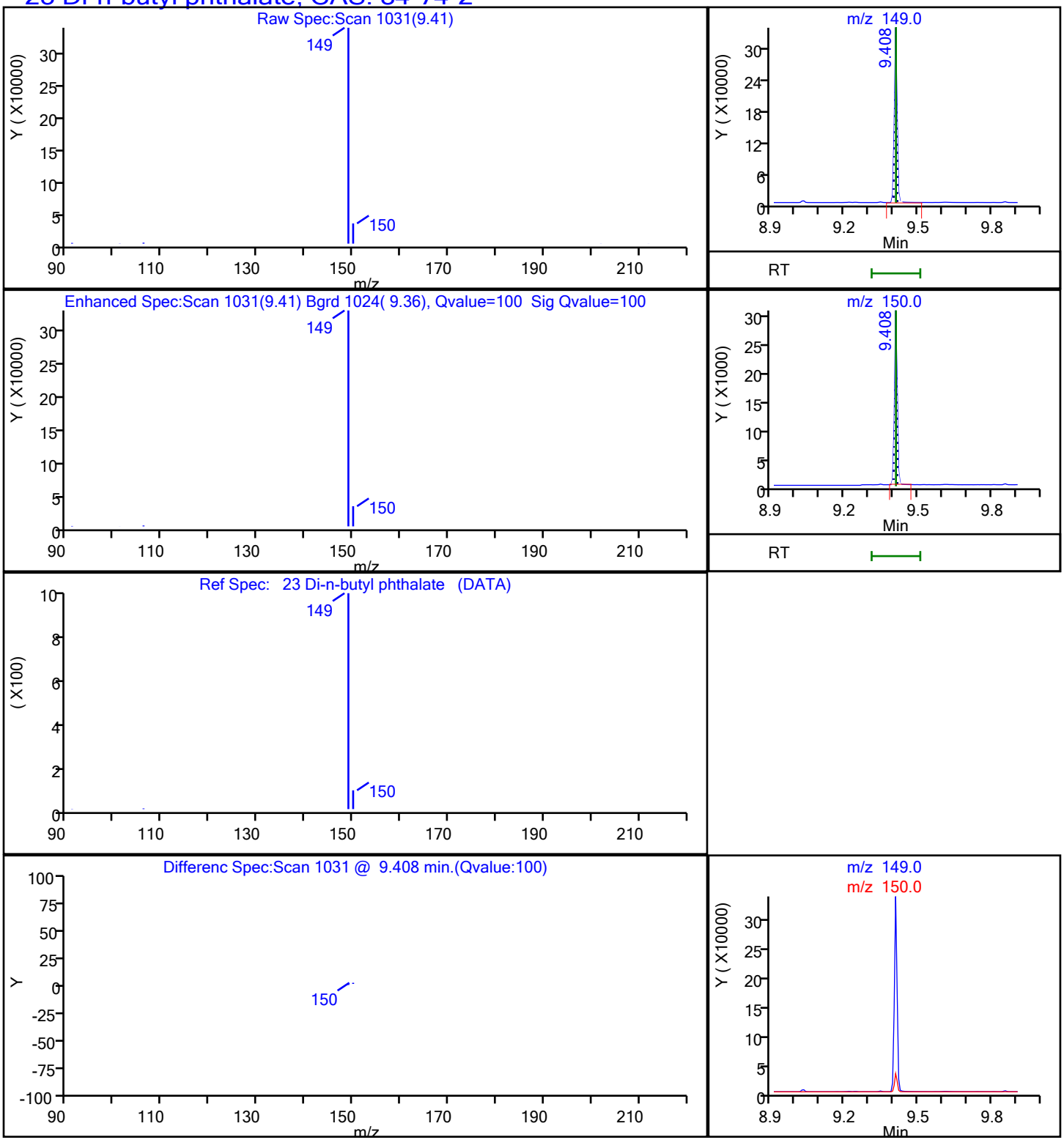
Operator ID: jmg00346 ALS Bottle#: 3 Worklist Smp#: 3

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



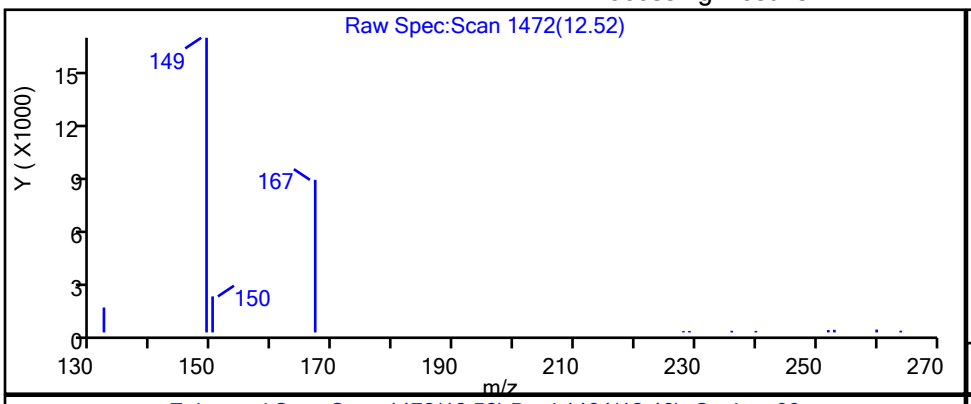
User Disabled Compound Report

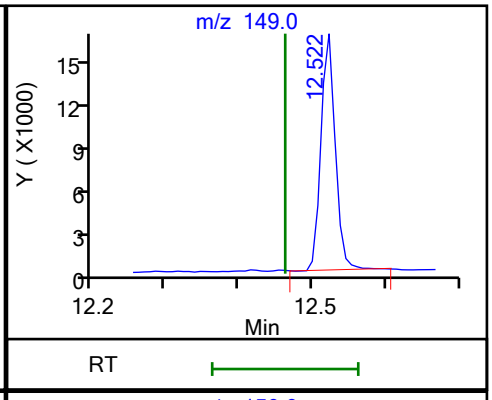
Eurofins Lancaster Laboratories Environment Testing, LLC

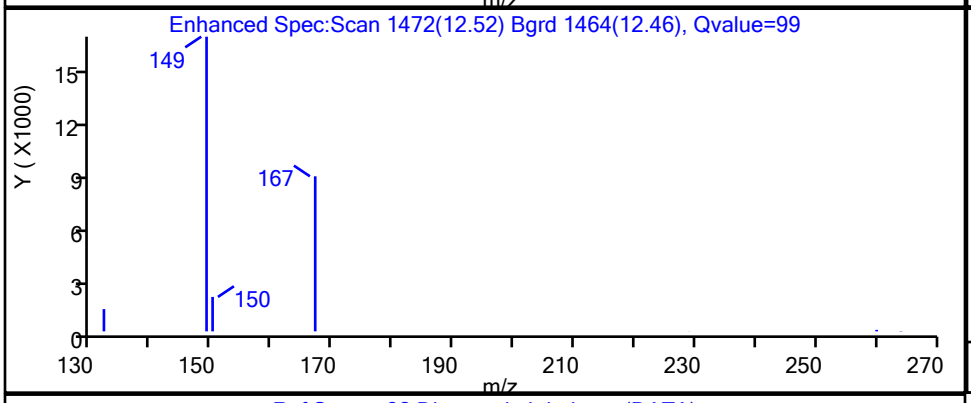
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0752.D				
Injection Date:	28-Feb-2023 04:17:30	Instrument ID:	HP23263		
Lims ID:	MB 410-348351/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

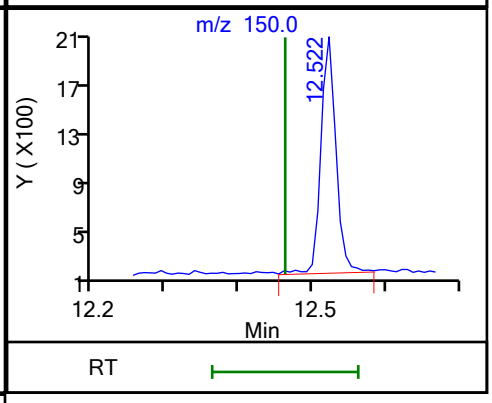
32 Di-n-octyl phthalate, CAS: 117-84-0

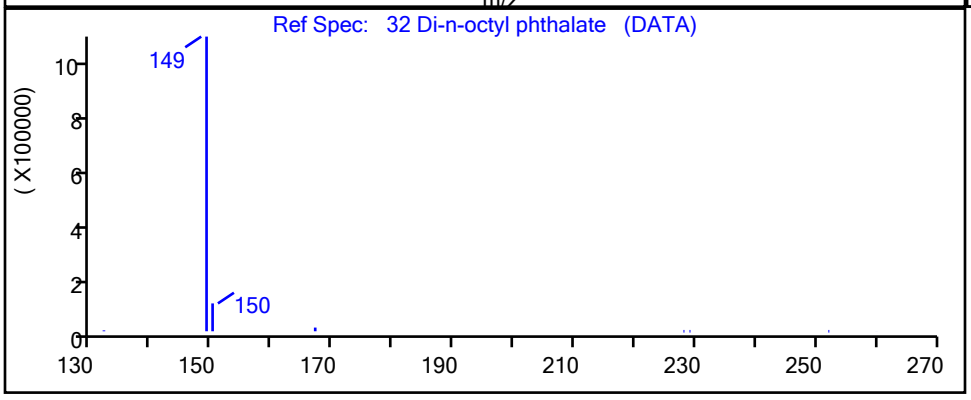
Processing Results











RT	Mass	Response	Amount
12.52	149.00	22084	0.139945
12.52	150.00	2667	

Reviewer: UJM0, 28-Feb-2023 04:56:58

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.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-347487/2-A

Matrix: Water
Lab File ID: MB0805.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 250(mL)
Date Analyzed: 02/24/2023 05:39

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.: 347593
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.524		0.30	0.10
90-12-0	1-Methylnaphthalene	0.751		0.050	0.020
91-57-6	2-Methylnaphthalene	0.703		0.050	0.020
83-32-9	Acenaphthene	0.895		0.050	0.010
208-96-8	Acenaphthylene	0.805		0.050	0.010
120-12-7	Anthracene	0.911		0.050	0.010
56-55-3	Benzo[a]anthracene	0.944		0.050	0.010
50-32-8	Benzo[a]pyrene	0.878		0.050	0.010
205-99-2	Benzo[b]fluoranthene	0.835		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	0.720		0.050	0.010
207-08-9	Benzo[k]fluoranthene	0.856		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	1.13		0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.782	J	1.0	0.050
85-68-7	Butylbenzylphthalate	0.932	J	1.0	0.050
218-01-9	Chrysene	0.816		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	0.708		0.050	0.020
132-64-9	Dibenzofuran	0.813		0.050	0.010
84-66-2	Diethylphthalate	0.917	J	1.0	0.050
131-11-3	Dimethylphthalate	0.859	J	1.0	0.050
84-74-2	Di-n-butyl phthalate	1.26		1.0	0.050
117-84-0	Di-n-octyl phthalate	0.604	J	1.0	0.050
206-44-0	Fluoranthene	0.872		0.050	0.010
86-73-7	Fluorene	0.814		0.050	0.010
118-74-1	Hexachlorobenzene	0.761		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.779		0.050	0.020
91-20-3	Naphthalene	0.847		0.070	0.030
62-75-9	N-Nitrosodimethylamine	0.848		0.050	0.020
85-01-8	Phenanthrene	0.909		0.070	0.030
129-00-0	Pyrene	0.870		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-347487/2-A

Matrix: Water
Lab File ID: MB0805.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 250(mL)
Date Analyzed: 02/24/2023 05:39

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.: 347593
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	88		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	92		10-110
93951-69-0	Fluoranthene-d10 (Surr)	94		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0805.D
Lims ID: LCS 410-347487/2-A
Client ID:
Sample Type: LCS
Inject. Date: 24-Feb-2023 05:39:43 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-347487/2-A
Misc. Info.: 410-0077710-006
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 24-Feb-2023 20:28:40 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:06:23

	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	1.819	1.832	0.013	84	17151	0.2500	0.1311	M
	2 N-Nitrosodimethylamine	74	2.100	2.087	0.013	83	25394	0.2500	0.2121	
	3 Bis(2-chloroethyl)ether	93	4.281	4.281	0.000	46	72246	0.2500	0.2835	M
*	4 1,4-Dichlorobenzene-d4	152	4.543	4.544	-0.001	85	75960	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.743	5.743	0.000	6	235679	0.2500	0.2500	M
	6 Naphthalene	128	5.756	5.756	0.000	42	202288	0.2500	0.2118	M
	8 2-Methylnaphthalene	142	6.411	6.411	0.000	95	121674	0.2500	0.1759	
$	9 1-Methylnaphthalene-d10	152	6.470	6.470	0.000	96	107578	0.2500	0.2202	
	10 1-Methylnaphthalene	142	6.500	6.500	0.000	99	115671	0.2500	0.1877	
	11 Dimethyl phthalate	163	7.140	7.140	-0.010	75	135875	0.2500	0.2146	M
	12 Acenaphthylene	152	7.258	7.258	0.000	100	179929	0.2500	0.2012	
*	13 Acenaphthene-d10	164	7.396	7.396	0.000	92	129239	0.2500	0.2500	
	14 Acenaphthene	154	7.425	7.425	-0.001	85	128614	0.2500	0.2238	
	15 Dibenzofuran	168	7.593	7.593	0.000	83	192943	0.2500	0.2033	
	16 Diethyl phthalate	149	7.810	7.810	-0.008	99	125734	0.2500	0.2293	
	17 Fluorene	166	7.912	7.912	-0.008	99	143787	0.2500	0.2035	
	19 Hexachlorobenzene	284	8.435	8.435	-0.008	90	50710	0.2500	0.1904	
*	20 Phenanthrene-d10	188	8.801	8.809	-0.008	94	234918	0.2500	0.2500	
	21 Phenanthrene	178	8.825	8.825	0.000	100	223872	0.2500	0.2273	
	22 Anthracene	178	8.872	8.872	-0.008	100	210616	0.2500	0.2277	
	23 Di-n-butyl phthalate	149	9.372	9.372	-0.006	100	247517	0.2500	0.3146	
$	24 Fluoranthene-d10 (Surr)	212	9.936	9.936	-0.006	98	211597	0.2500	0.2346	
	25 Fluoranthene	202	9.954	9.955	-0.007	99	246307	0.2500	0.2179	
	26 Pyrene	202	10.168	10.168	-0.006	98	255370	0.2500	0.2174	
	27 Butyl benzyl phthalate	149	10.837	10.845	-0.008	100	72132	0.2500	0.2330	
	28 Benzo[a]anthracene	228	11.435	11.435	-0.008	100	222380	0.2500	0.2361	
*	29 Chrysene-d12	240	11.451	11.451	0.000	59	194749	0.2500	0.2500	
	30 Chrysene	228	11.474	11.474	-0.008	100	214307	0.2500	0.2040	
	31 Bis(2-ethylhexyl) phthalate	149	11.527	11.527	-0.001	99	80749	0.2500	0.1955	
	32 Di-n-octyl phthalate	149	12.379	12.379	-0.008	100	111896	0.2500	0.1511	
	33 Benzo[b]fluoranthene	252	12.831	12.831	-0.008	100	236407	0.2500	0.2087	

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	12.869	-0.007	100	241454	0.2500	0.2139	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.253	13.253	-0.008	100	180576	0.2500	0.2309	
37 Benzo[a]pyrene	252	13.284	13.291	-0.008	100	221874	0.2500	0.2196	
* 38 Perylene-d12	264	13.368	13.376	-0.008	100	237782	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.958	14.958	-0.008	99	202524	0.2500	0.1947	M
41 Dibenz(a,h)anthracene	278	15.015	15.008	-0.007	96	205963	0.2500	0.1769	
42 Benzo[g,h,i]perylene	276	15.403	15.403	-0.007	96	226934	0.2500	0.1801	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00033 Amount Added: 10.00 Units: uL Run Reagent

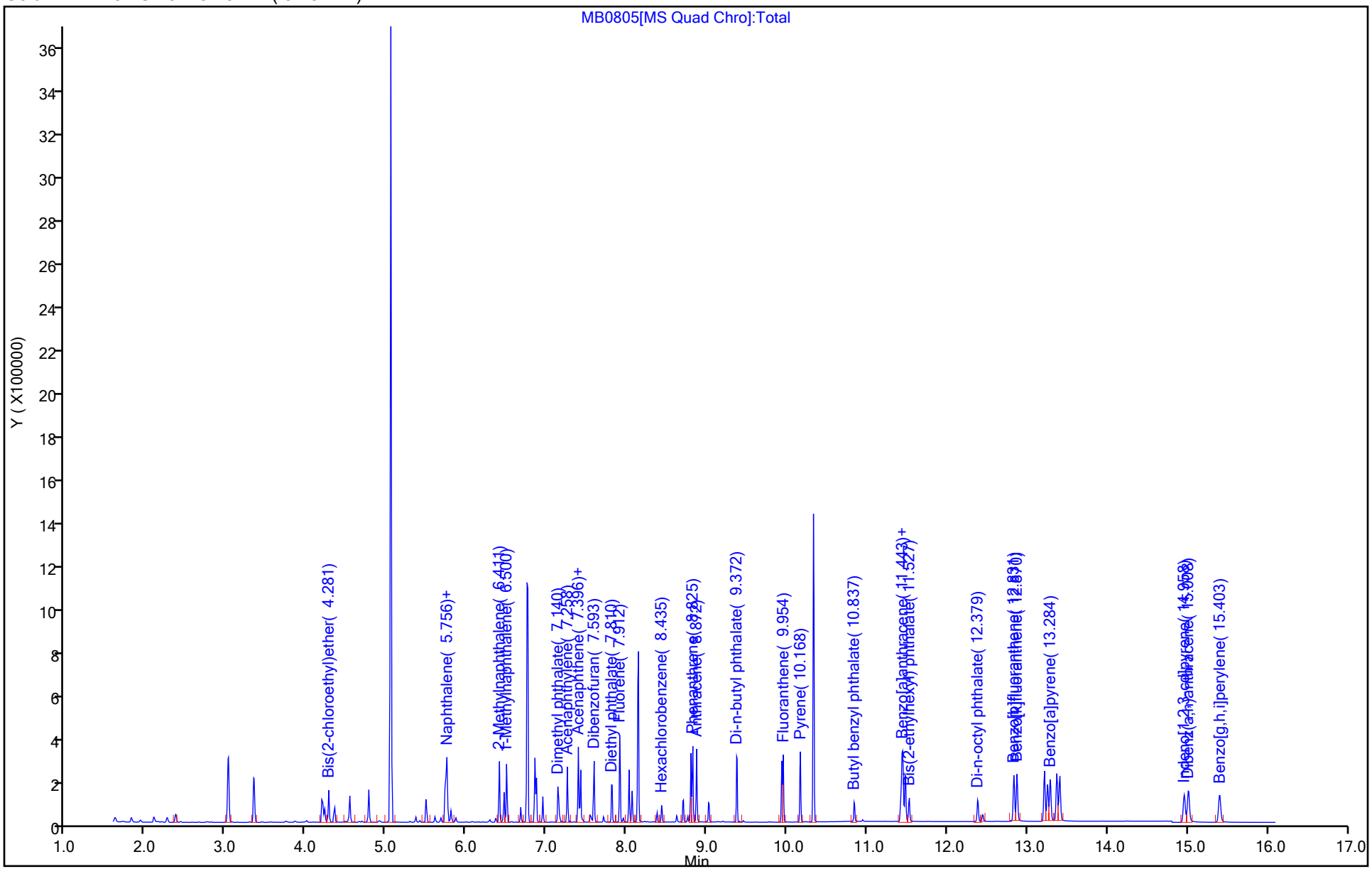
Report Date: 24-Feb-2023 20:28:57 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0805.D

Injection Date:	24-Feb-2023 05:39:43	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	LCS 410-347487/2-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\20230224-77710.b\MB0805.D				
Lims ID:	LCS 410-347487/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	24-Feb-2023 05:39:43	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 410-347487/2-A				
Misc. Info.:	410-0077710-006				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-Feb-2023 20:28:40	Calib Date:	26-Jan-2023 09:46:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:06:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2202	88.09
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2346	93.84
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2309	92.35

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

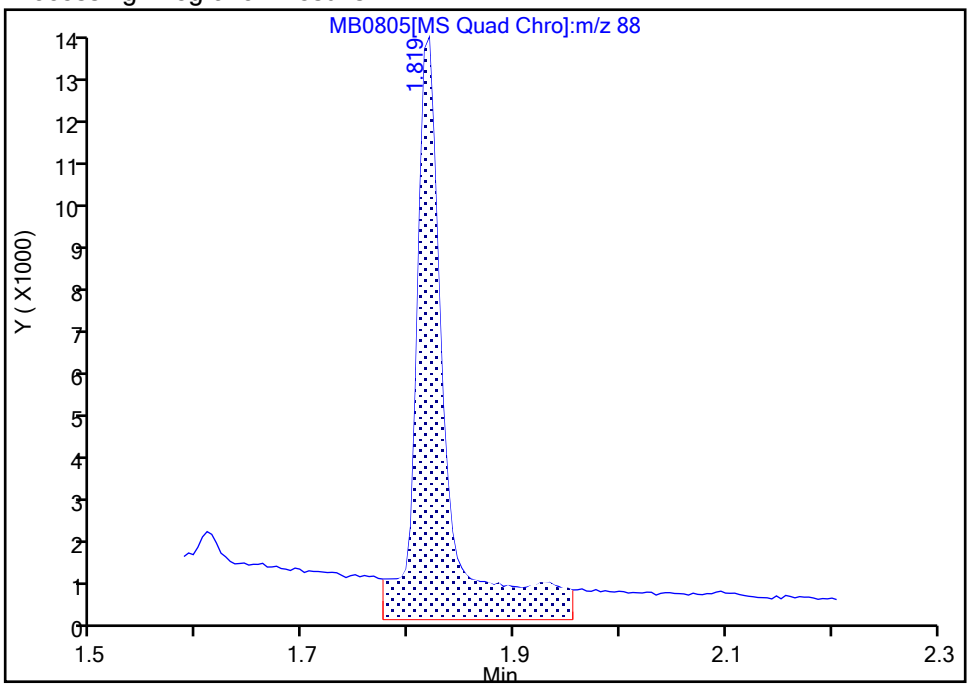
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0805.D				
Injection Date:	24-Feb-2023 05:39:43	Instrument ID:	HP21585		
Lims ID:	LCS 410-347487/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

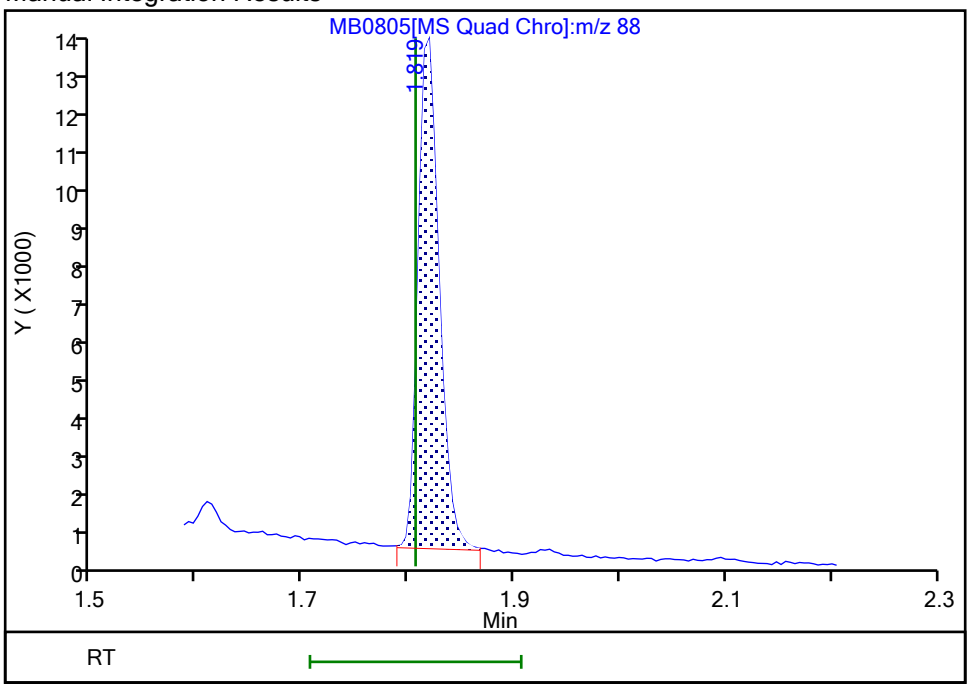
Processing Integration Results

RT: 1.82
Area: 26077
Amount: 0.199254
Amount Units: ug/ml



Manual Integration Results

RT: 1.82
Area: 17151
Amount: 0.131050
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:05:35

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

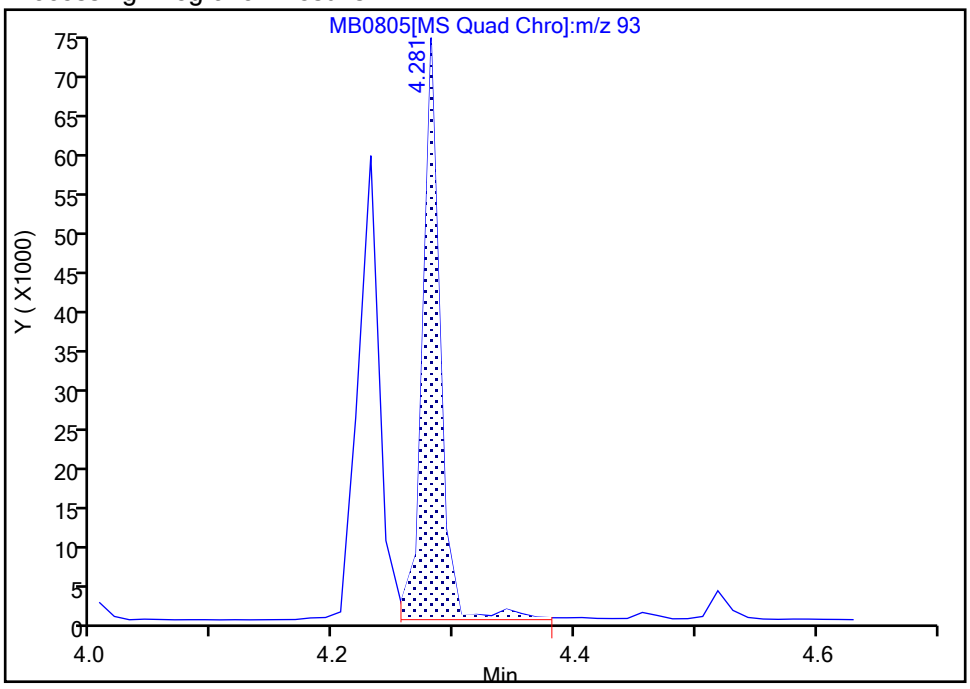
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0805.D		
Injection Date:	24-Feb-2023 05:39:43	Instrument ID:	HP21585
Lims ID:	LCS 410-347487/2-A		
Client ID:			
Operator ID:	jmg00346	ALS Bottle#:	0 Worklist Smp#: 6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

3 Bis(2-chloroethyl)ether, CAS: 111-44-4

Signal: 1

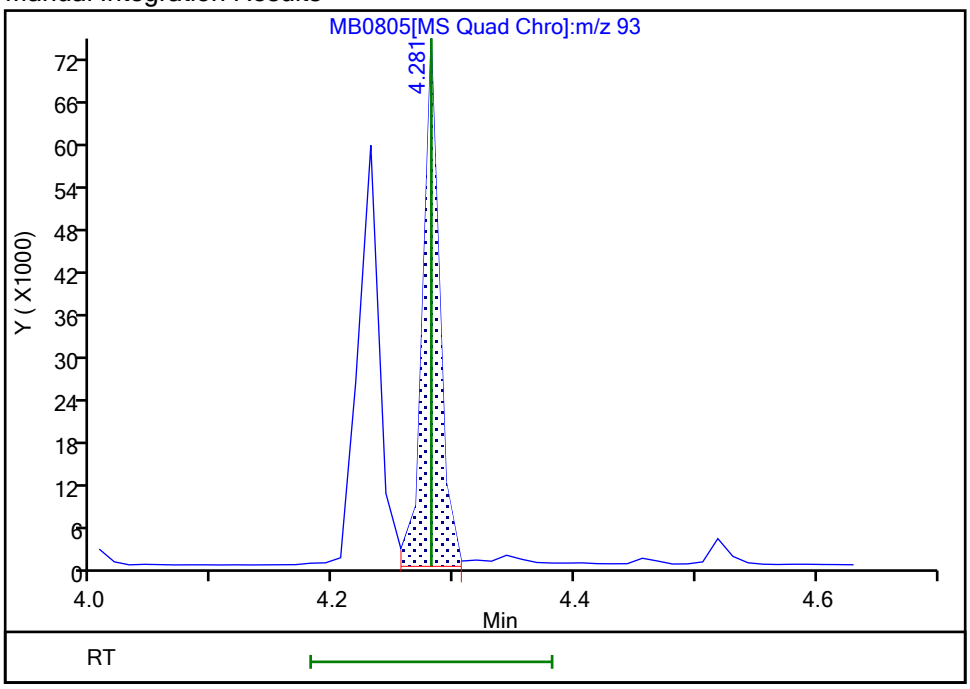
Processing Integration Results

RT: 4.28
Area: 75745
Amount: 0.297261
Amount Units: ug/ml



Manual Integration Results

RT: 4.28
Area: 72246
Amount: 0.283529
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:05:44

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

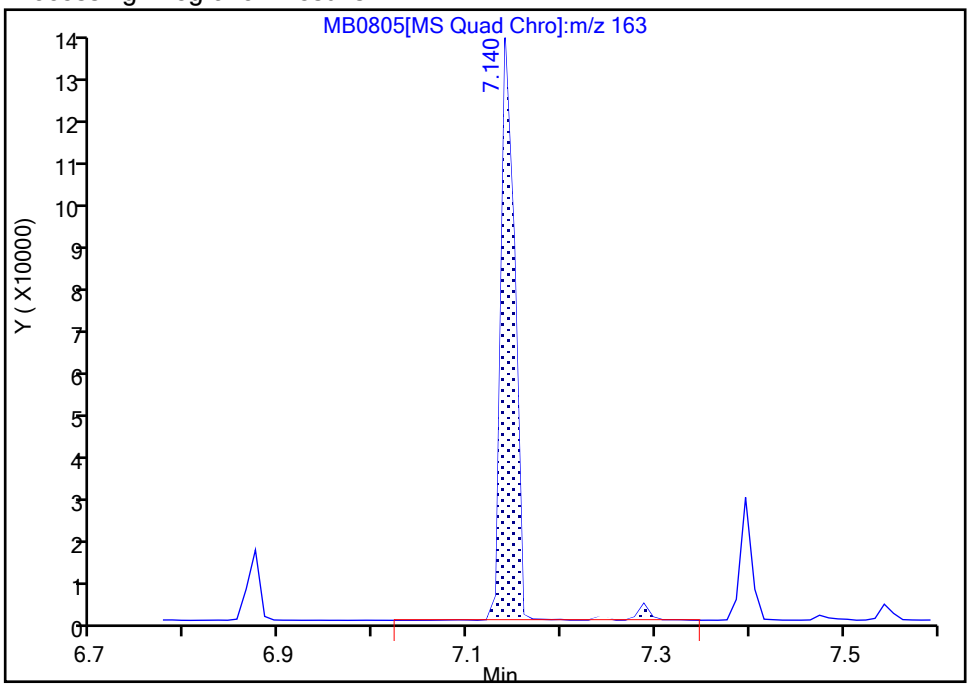
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0805.D		
Injection Date:	24-Feb-2023 05:39:43	Instrument ID:	HP21585
Lims ID:	LCS 410-347487/2-A		
Client ID:			
Operator ID:	jmg00346	ALS Bottle#:	0 Worklist Smp#: 6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

11 Dimethyl phthalate, CAS: 131-11-3

Signal: 1

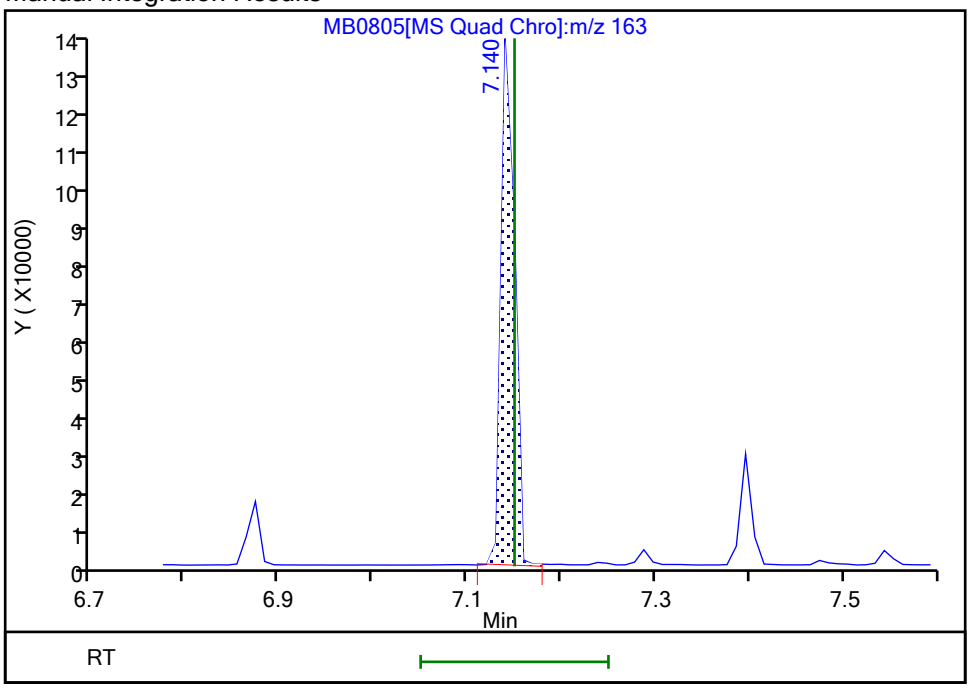
Processing Integration Results

RT: 7.14
Area: 140702
Amount: 0.222258
Amount Units: ug/ml



Manual Integration Results

RT: 7.14
Area: 135875
Amount: 0.214633
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:05:59
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

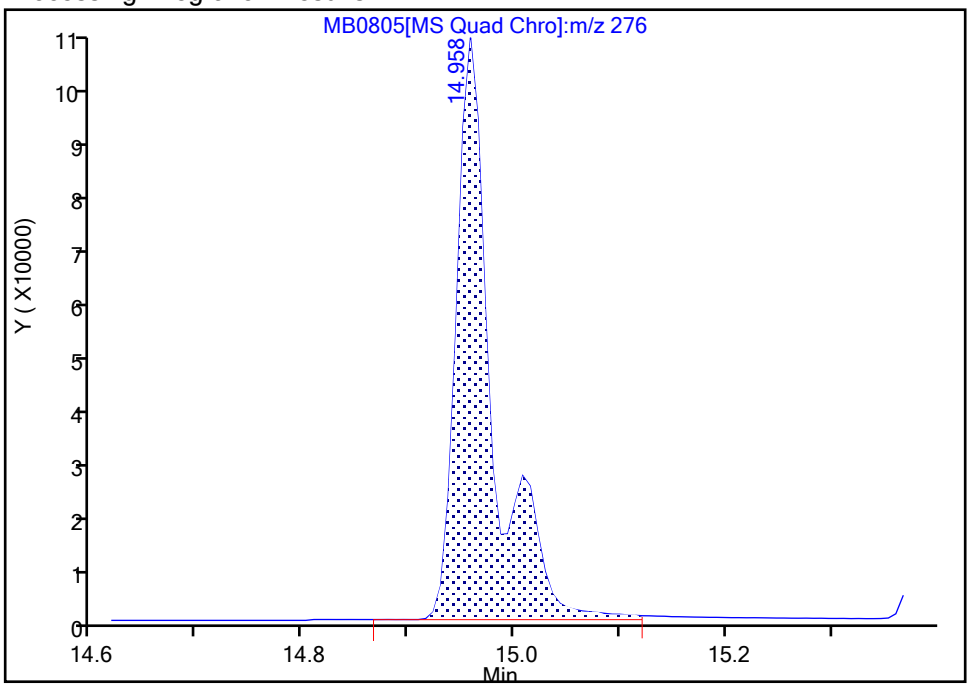
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0805.D				
Injection Date:	24-Feb-2023 05:39:43	Instrument ID:	HP21585		
Lims ID:	LCS 410-347487/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

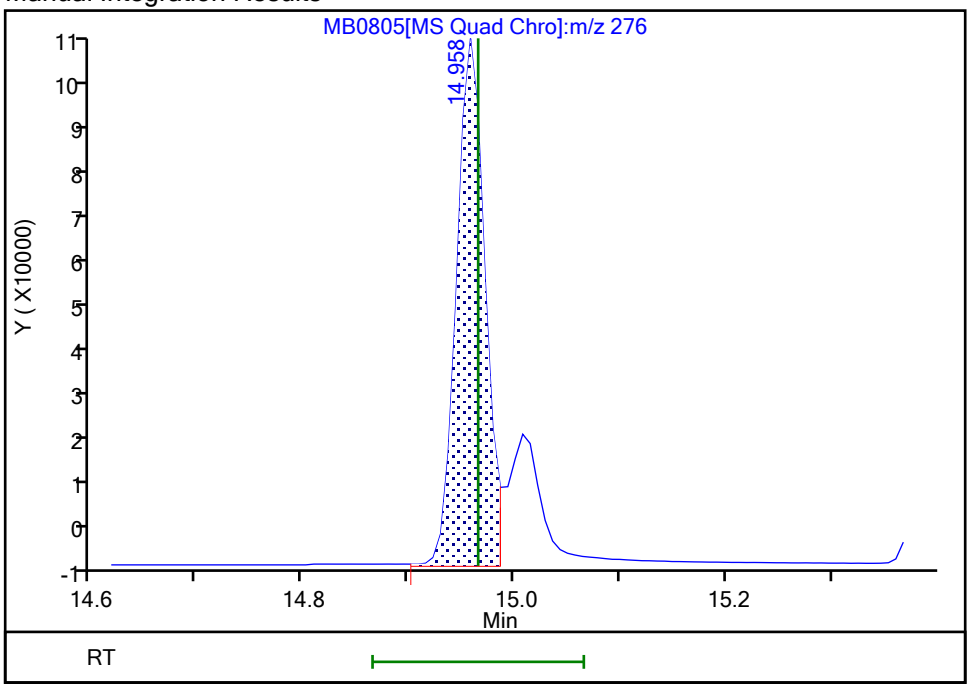
Processing Integration Results

RT: 14.96
Area: 265274
Amount: 0.255032
Amount Units: ug/ml



Manual Integration Results

RT: 14.96
Area: 202524
Amount: 0.194705
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:06:20

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

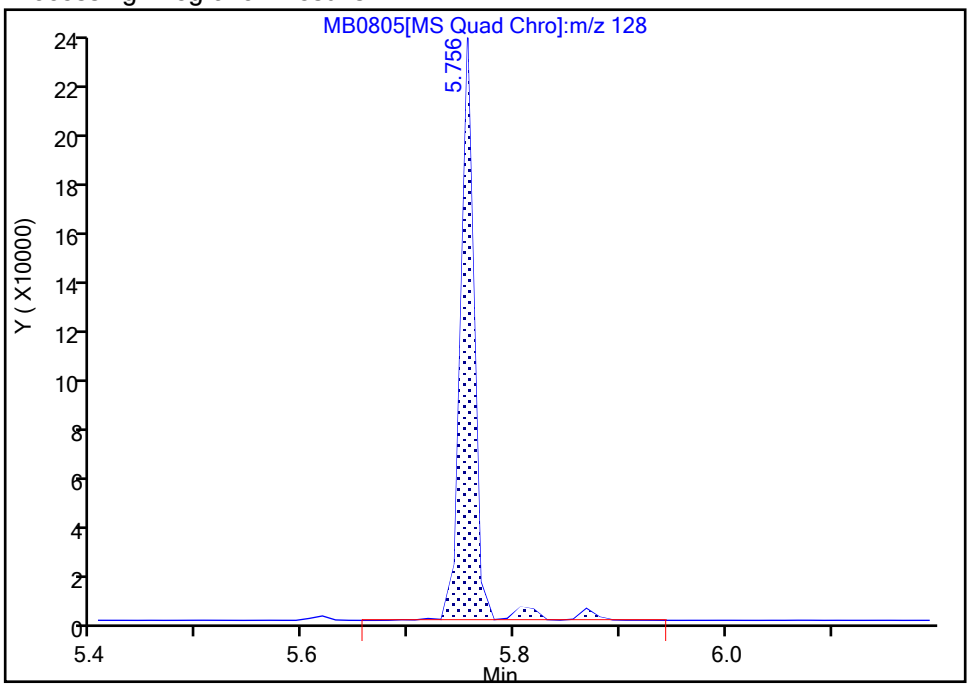
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0805.D				
Injection Date:	24-Feb-2023 05:39:43	Instrument ID:	HP21585		
Lims ID:	LCS 410-347487/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Naphthalene, CAS: 91-20-3

Signal: 1

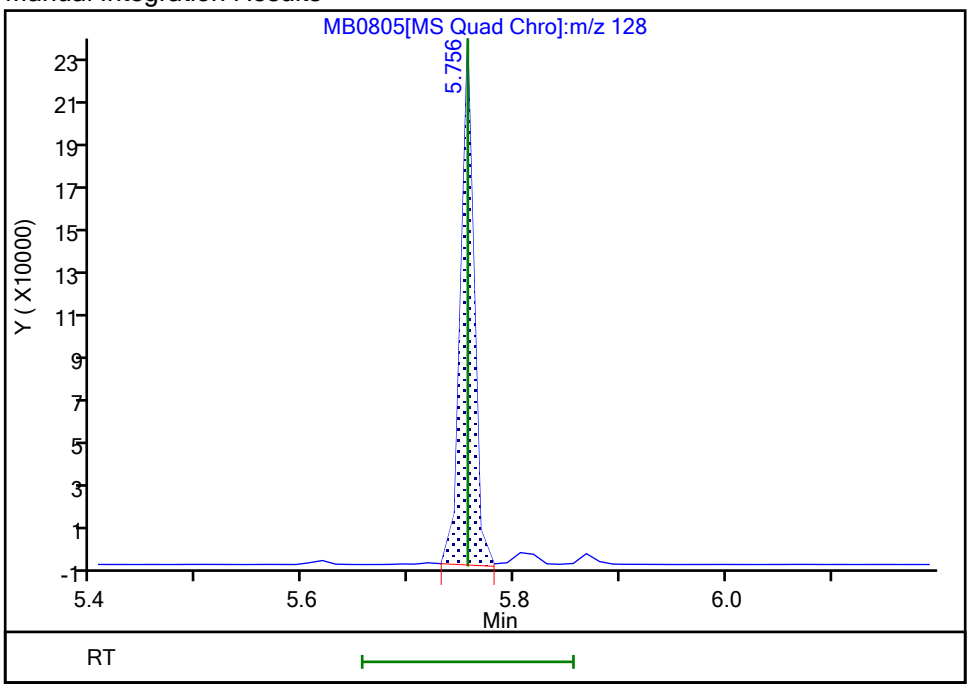
Processing Integration Results

RT: 5.76
Area: 216323
Amount: 0.227475
Amount Units: ug/ml



Manual Integration Results

RT: 5.76
Area: 202288
Amount: 0.211766
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:05:51

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

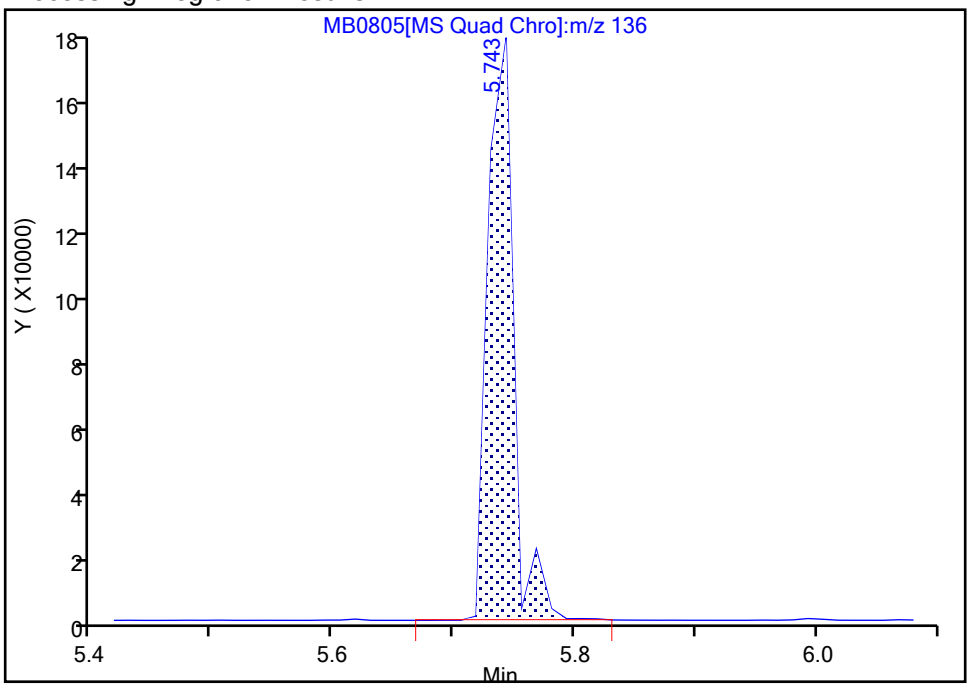
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0805.D				
Injection Date:	24-Feb-2023 05:39:43	Instrument ID:	HP21585		
Lims ID:	LCS 410-347487/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 5 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

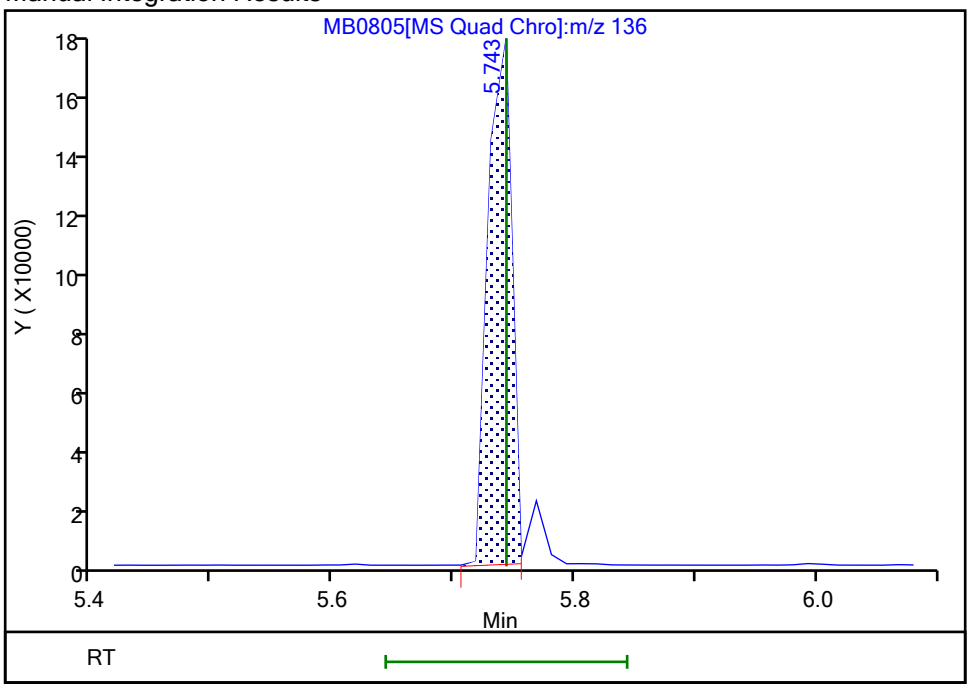
Processing Integration Results

RT: 5.74
Area: 256168
Amount: 0.250000
Amount Units: ug/ml



Manual Integration Results

RT: 5.74
Area: 235679
Amount: 0.250000
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:05:23

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.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-348351/2-A

Matrix: Water
Lab File ID: NB0753.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 250(mL)
Date Analyzed: 02/28/2023 04:39

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.: 348434
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	*1,4-Dioxane*	*0.612*		*0.30*	*0.10*
90-12-0	*1-Methylnaphthalene*	*0.802*		*0.050*	*0.020*
91-57-6	*2-Methylnaphthalene*	*0.747*		*0.050*	*0.020*
83-32-9	*Acenaphthene*	*1.01*		*0.050*	*0.010*
208-96-8	*Acenaphthylene*	*0.953*		*0.050*	*0.010*
120-12-7	*Anthracene*	*1.02*		*0.050*	*0.010*
56-55-3	*Benzo[a]anthracene*	*0.967*		*0.050*	*0.010*
50-32-8	*Benzo[a]pyrene*	*1.04*		*0.050*	*0.010*
205-99-2	*Benzo[b]fluoranthene*	*1.01*		*0.050*	*0.010*
191-24-2	*Benzo[g,h,i]perylene*	*0.965*		*0.050*	*0.010*
207-08-9	*Benzo[k]fluoranthene*	*1.10*		*0.050*	*0.010*
111-44-4	*Bis(2-chloroethyl)ether*	*1.10*		*0.050*	*0.020*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*2.25*		*1.0*	*0.050*
85-68-7	*Butylbenzylphthalate*	*0.836*	*J*	*1.0*	*0.050*
218-01-9	*Chrysene*	*0.969*		*0.050*	*0.010*
53-70-3	*Dibenz(a,h)anthracene*	*0.934*		*0.050*	*0.020*
132-64-9	*Dibenzofuran*	*0.927*		*0.050*	*0.010*
84-66-2	*Diethylphthalate*	*1.13*		*1.0*	*0.050*
131-11-3	*Dimethylphthalate*	*1.05*		*1.0*	*0.050*
84-74-2	*Di-n-butyl phthalate*	*1.77*		*1.0*	*0.050*
117-84-0	*Di-n-octyl phthalate*	*0.880*	*J*	*1.0*	*0.050*
206-44-0	*Fluoranthene*	*0.964*		*0.050*	*0.010*
86-73-7	*Fluorene*	*0.953*		*0.050*	*0.010*
118-74-1	*Hexachlorobenzene*	*0.920*		*0.050*	*0.020*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*0.964*		*0.050*	*0.020*
91-20-3	*Naphthalene*	*0.904*		*0.070*	*0.030*
62-75-9	*N-Nitrosodimethylamine*	*0.857*		*0.050*	*0.020*
85-01-8	*Phenanthrene*	*1.06*		*0.070*	*0.030*
129-00-0	*Pyrene*	*0.991*		*0.050*	*0.010*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-348351/2-A

Matrix: Water
Lab File ID: NB0753.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 250(mL)
Date Analyzed: 02/28/2023 04:39

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.: 348434
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	83		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	94		10-110
93951-69-0	Fluoranthene-d10 (Surr)	92		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0753.D
Lims ID: LCS 410-348351/2-A
Client ID:
Sample Type: LCS
Inject. Date: 28-Feb-2023 04:39:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-348351/2-A
Misc. Info.: 410-0077901-004
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 28-Feb-2023 15:57:44 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: UJM0 Date: 28-Feb-2023 05:14:07

	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	1.758	1.736	0.022	90	13551	0.2500	0.1529	
	2 N-Nitrosodimethylamine	74	2.069	2.041	0.022	82	21801	0.2500	0.2143	
	3 Bis(2-chloroethyl)ether	93	4.319	4.310	0.000	99	57921	0.2500	0.2741	
*	4 1,4-Dichlorobenzene-d4	152	4.582	4.582	0.000	95	39953	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.781	5.781	0.000	100	143510	0.2500	0.2500	
	6 Naphthalene	128	5.794	5.781	0.000	100	123045	0.2500	0.2261	
	8 2-Methylnaphthalene	142	6.447	6.433	0.000	100	70263	0.2500	0.1868	
$	9 1-Methylnaphthalene-d10	152	6.507	6.493	0.000	100	51737	0.2500	0.2072	
	10 1-Methylnaphthalene	142	6.537	6.522	0.000	94	64319	0.2500	0.2005	
	11 Dimethyl phthalate	163	7.178	7.170	0.000	100	63811	0.2500	0.2633	
	12 Acenaphthylene	152	7.298	7.290	0.000	88	100384	0.2500	0.2382	
*	13 Acenaphthene-d10	164	7.438	7.438	0.000	95	56134	0.2500	0.2500	
	14 Acenaphthene	154	7.468	7.461	0.000	91	62727	0.2500	0.2519	
	15 Dibenzofuran	168	7.625	7.625	-0.007	96	90212	0.2500	0.2318	
	16 Diethyl phthalate	149	7.849	7.842	0.000	99	65785	0.2500	0.2831	
	17 Fluorene	166	7.949	7.949	-0.008	96	66952	0.2500	0.2384	
	19 Hexachlorobenzene	284	8.474	8.467	0.000	87	19666	0.2500	0.2301	
*	20 Phenanthrene-d10	188	8.845	8.845	0.000	100	79992	0.2500	0.2500	
	21 Phenanthrene	178	8.868	8.860	0.000	99	87899	0.2500	0.2650	
	22 Anthracene	178	8.914	8.907	0.000	100	82960	0.2500	0.2558	
	23 Di-n-butyl phthalate	149	9.409	9.401	0.000	100	137844	0.2500	0.4430	
$	24 Fluoranthene-d10 (Surr)	212	9.973	9.971	-0.006	99	59691	0.2500	0.2309	
	25 Fluoranthene	202	9.992	9.991	0.000	100	77735	0.2500	0.2410	
	26 Pyrene	202	10.211	10.203	0.000	97	80289	0.2500	0.2477	
	27 Butyl benzyl phthalate	149	10.890	10.881	0.000	100	20762	0.2500	0.2090	
	28 Benzo[a]anthracene	228	11.504	11.494	0.001	99	58033	0.2500	0.2417	
*	29 Chrysene-d12	240	11.519	11.519	0.000	88	47337	0.2500	0.2500	
	30 Chrysene	228	11.550	11.540	0.001	100	58560	0.2500	0.2422	
	31 Bis(2-ethylhexyl) phthalate	149	11.580	11.571	0.000	99	68728	0.2500	0.5631	
	32 Di-n-octyl phthalate	149	12.462	12.454	0.000	100	38701	0.2500	0.2201	M
	33 Benzo[b]fluoranthene	252	12.938	12.929	0.000	100	47938	0.2500	0.2533	

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	12.976	12.967	0.000	100	57978	0.2500	0.2750	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.367	13.366	-0.008	99	31695	0.2500	0.2361	
37 Benzo[a]pyrene	252	13.406	13.397	0.000	100	46168	0.2500	0.2612	
* 38 Perylene-d12	264	13.490	13.490	0.000	97	40018	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.144	15.133	0.001	97	32299	0.2500	0.2411	
41 Dibenz(a,h)anthracene	278	15.200	15.190	0.000	98	33308	0.2500	0.2335	
42 Benzo[g,h,i]perylene	276	15.610	15.606	-0.007	100	41417	0.2500	0.2413	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00032 Amount Added: 10.00 Units: uL Run Reagent

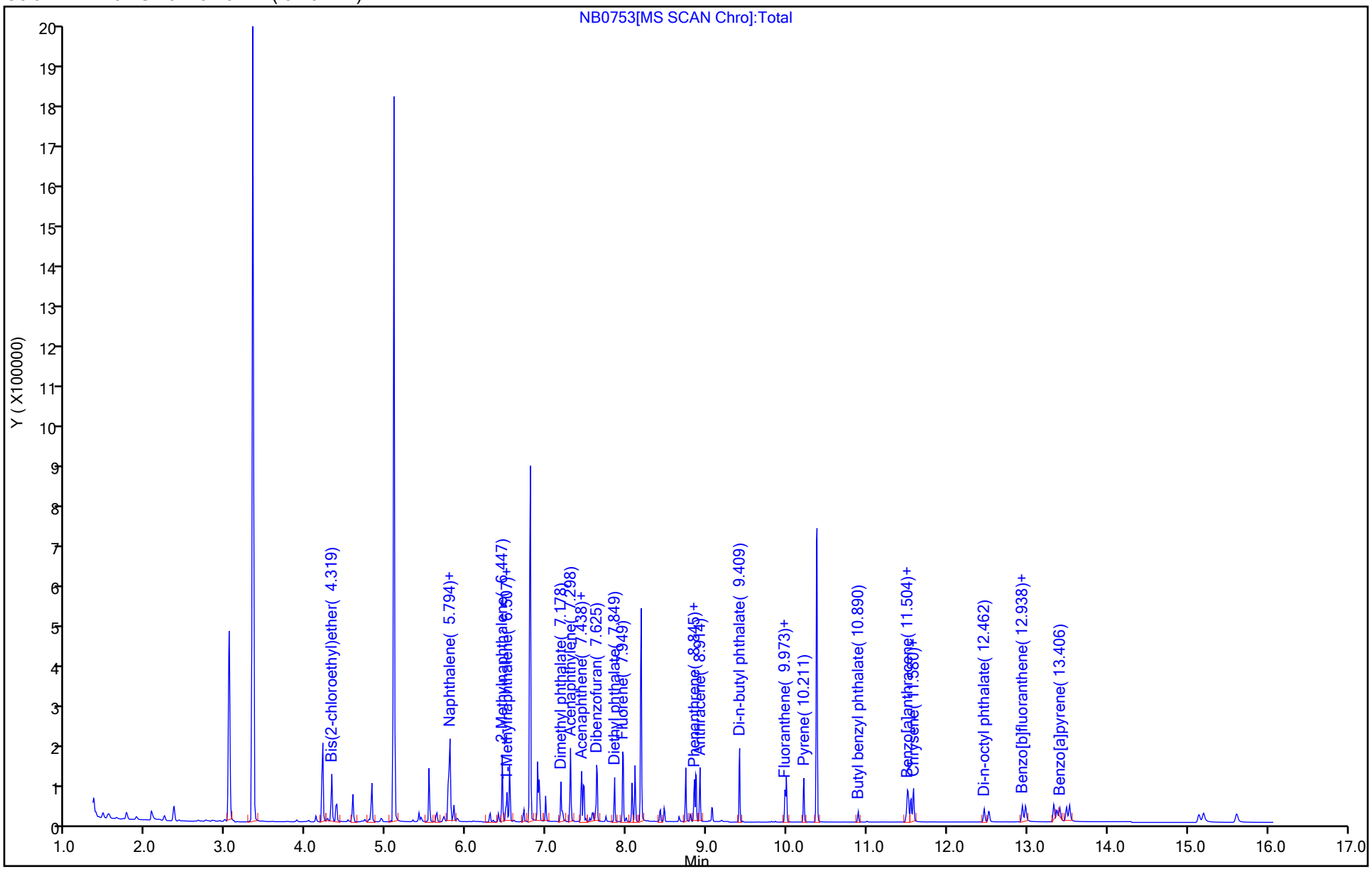
Report Date: 28-Feb-2023 15:57:55 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0753.D

Injection Date:	28-Feb-2023 04:39:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	LCS 410-348351/2-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\20230228-77901.b\NB0753.D				
Lims ID:	LCS 410-348351/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	28-Feb-2023 04:39:30	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 410-348351/2-A				
Misc. Info.:	410-0077901-004				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	28-Feb-2023 15:57:44	Calib Date:	22-Feb-2023 01:02:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1680				

First Level Reviewer: UJM0 Date: 28-Feb-2023 05:14:07

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2072	82.86
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2309	92.36
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2361	94.43

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

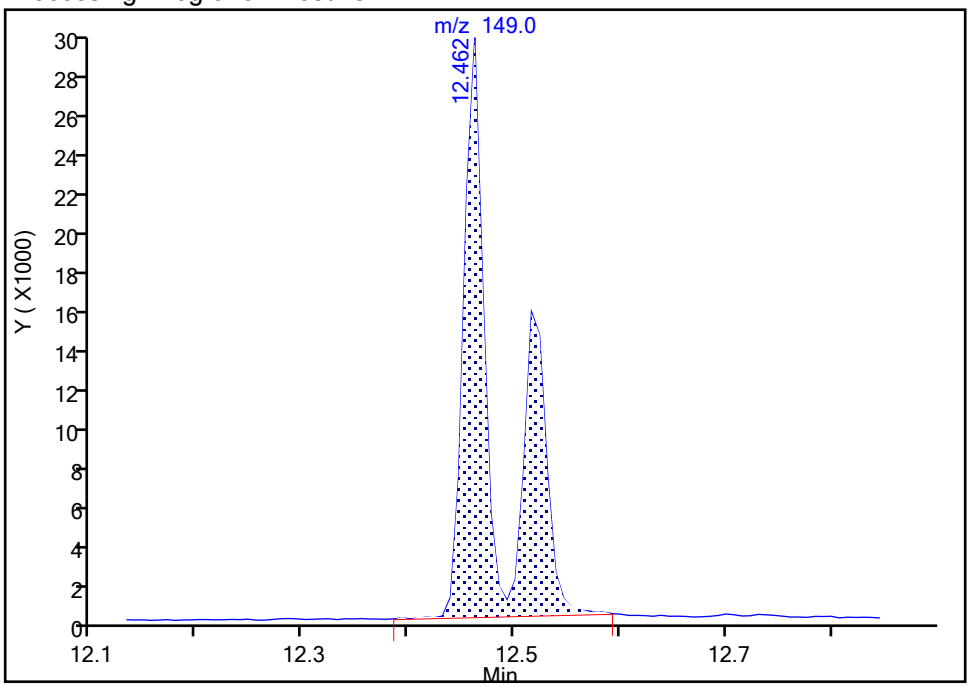
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0753.D				
Injection Date:	28-Feb-2023 04:39:30	Instrument ID:	HP23263		
Lims ID:	LCS 410-348351/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

32 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 1

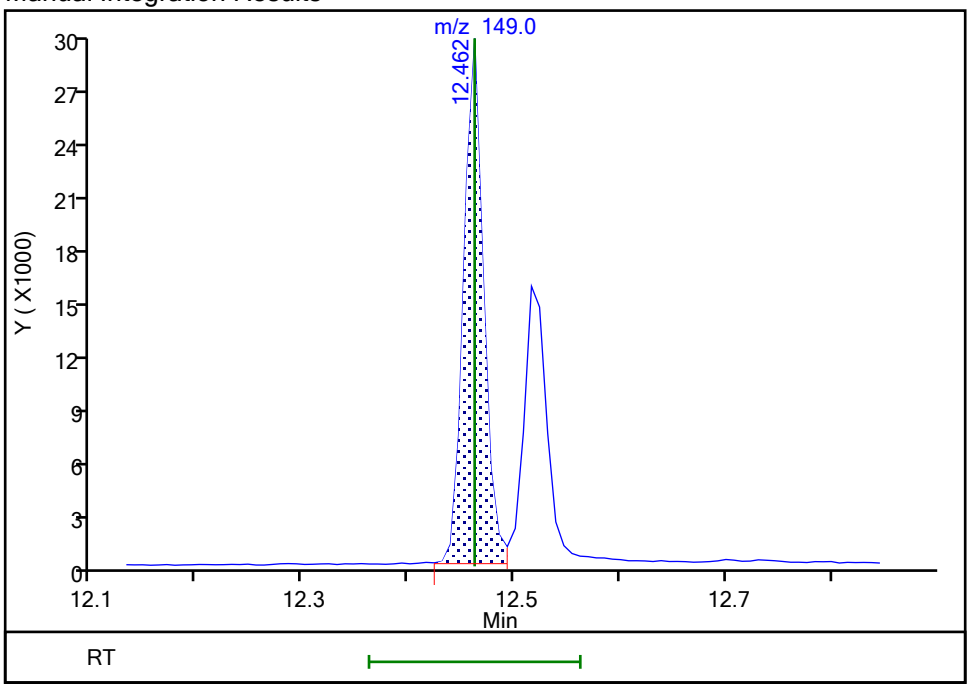
Processing Integration Results

RT: 12.46
Area: 61398
Amount: 0.349135
Amount Units: ug/ml



Manual Integration Results

RT: 12.46
Area: 38701
Amount: 0.220070
Amount Units: ug/ml



Reviewer: UJM0, 28-Feb-2023 05:13:55

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.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-347487/3-A

Matrix: Water
Lab File ID: MB0806.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 250(mL)
Date Analyzed: 02/24/2023 06:01

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.: 347593
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.586		0.30	0.10
90-12-0	1-Methylnaphthalene	0.782		0.050	0.020
91-57-6	2-Methylnaphthalene	0.735		0.050	0.020
83-32-9	Acenaphthene	0.901		0.050	0.010
208-96-8	Acenaphthylene	0.810		0.050	0.010
120-12-7	Anthracene	0.920		0.050	0.010
56-55-3	Benzo[a]anthracene	0.931		0.050	0.010
50-32-8	Benzo[a]pyrene	0.921		0.050	0.010
205-99-2	Benzo[b]fluoranthene	0.867		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	0.836		0.050	0.010
207-08-9	Benzo[k]fluoranthene	0.895		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	1.20		0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.862	J	1.0	0.050
85-68-7	Butylbenzylphthalate	0.879	J	1.0	0.050
218-01-9	Chrysene	0.840		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	0.871		0.050	0.020
132-64-9	Dibenzofuran	0.814		0.050	0.010
84-66-2	Diethylphthalate	0.923	J	1.0	0.050
131-11-3	Dimethylphthalate	0.844	J	1.0	0.050
84-74-2	Di-n-butyl phthalate	1.59		1.0	0.050
117-84-0	Di-n-octyl phthalate	0.764	J	1.0	0.050
206-44-0	Fluoranthene	0.829		0.050	0.010
86-73-7	Fluorene	0.818		0.050	0.010
118-74-1	Hexachlorobenzene	0.768		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.892		0.050	0.020
91-20-3	Naphthalene	0.870		0.070	0.030
62-75-9	N-Nitrosodimethylamine	0.901		0.050	0.020
85-01-8	Phenanthrene	0.904		0.070	0.030
129-00-0	Pyrene	0.830		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-347487/3-A

Matrix: Water
Lab File ID: MB0806.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 250(mL)
Date Analyzed: 02/24/2023 06:01

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.: 347593
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	86		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	93		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\20230224-77710.b\MB0806.D
Lims ID: LCSD 410-347487/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 24-Feb-2023 06:01:01 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-347487/3-A
Misc. Info.: 410-0077710-007
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 24-Feb-2023 20:28:40 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:08:16

	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	1.828	1.832	0.022	85	18905	0.2500	0.1464	M
	2 N-Nitrosodimethylamine	74	2.104	2.087	0.017	83	26603	0.2500	0.2252	
	3 Bis(2-chloroethyl)ether	93	4.281	4.281	0.000	88	75863	0.2500	0.2994	M
*	4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	86	74941	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.731	5.743	-0.012	20	234373	0.2500	0.2500	M
	6 Naphthalene	128	5.756	5.756	0.000	93	206333	0.2500	0.2176	M
	8 2-Methylnaphthalene	142	6.411	6.411	0.000	94	126513	0.2500	0.1839	
$	9 1-Methylnaphthalene-d10	152	6.470	6.470	0.000	96	104023	0.2500	0.2141	
	10 1-Methylnaphthalene	142	6.500	6.500	0.000	99	119754	0.2500	0.1954	
	11 Dimethyl phthalate	163	7.140	7.140	-0.010	75	135841	0.2500	0.2109	M
	12 Acenaphthylene	152	7.258	7.258	0.000	100	184271	0.2500	0.2025	
*	13 Acenaphthene-d10	164	7.396	7.396	0.000	90	131479	0.2500	0.2500	
	14 Acenaphthene	154	7.426	7.425	0.000	90	131668	0.2500	0.2253	
	15 Dibenzofuran	168	7.593	7.593	0.000	83	196501	0.2500	0.2035	
	16 Diethyl phthalate	149	7.810	7.810	-0.008	99	128713	0.2500	0.2307	
	17 Fluorene	166	7.912	7.912	-0.008	98	147054	0.2500	0.2046	
	19 Hexachlorobenzene	284	8.435	8.435	-0.008	91	51668	0.2500	0.1919	
*	20 Phenanthrene-d10	188	8.802	8.809	-0.007	95	237467	0.2500	0.2500	
	21 Phenanthrene	178	8.825	8.825	0.000	100	225107	0.2500	0.2261	
	22 Anthracene	178	8.872	8.872	-0.008	100	215178	0.2500	0.2301	
	23 Di-n-butyl phthalate	149	9.372	9.372	-0.006	100	315837	0.2500	0.3971	
$	24 Fluoranthene-d10 (Surr)	212	9.936	9.936	-0.006	98	190743	0.2500	0.2092	
	25 Fluoranthene	202	9.955	9.955	-0.006	99	236890	0.2500	0.2074	
	26 Pyrene	202	10.168	10.168	-0.006	98	239211	0.2500	0.2075	
	27 Butyl benzyl phthalate	149	10.837	10.845	-0.008	100	66794	0.2500	0.2198	
	28 Benzo[a]anthracene	228	11.435	11.435	-0.008	100	215171	0.2500	0.2327	
*	29 Chrysene-d12	240	11.451	11.451	0.000	59	191174	0.2500	0.2500	
	30 Chrysene	228	11.474	11.474	-0.008	100	216531	0.2500	0.2100	
	31 Bis(2-ethylhexyl) phthalate	149	11.528	11.527	0.000	99	87412	0.2500	0.2156	
	32 Di-n-octyl phthalate	149	12.379	12.379	-0.008	100	138154	0.2500	0.1910	
	33 Benzo[b]fluoranthene	252	12.831	12.831	-0.008	100	239875	0.2500	0.2168	

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	12.869	-0.007	100	246586	0.2500	0.2237	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.253	13.253	-0.008	100	176647	0.2500	0.2313	
37 Benzo[a]pyrene	252	13.284	13.291	-0.008	100	227174	0.2500	0.2302	
* 38 Perylene-d12	264	13.368	13.376	-0.008	100	232241	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.958	14.958	-0.008	99	226470	0.2500	0.2229	M
41 Dibenz(a,h)anthracene	278	15.008	15.008	-0.014	96	247600	0.2500	0.2178	
42 Benzo[g,h,i]perylene	276	15.403	15.403	-0.007	96	257255	0.2500	0.2090	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00033 Amount Added: 10.00 Units: uL Run Reagent

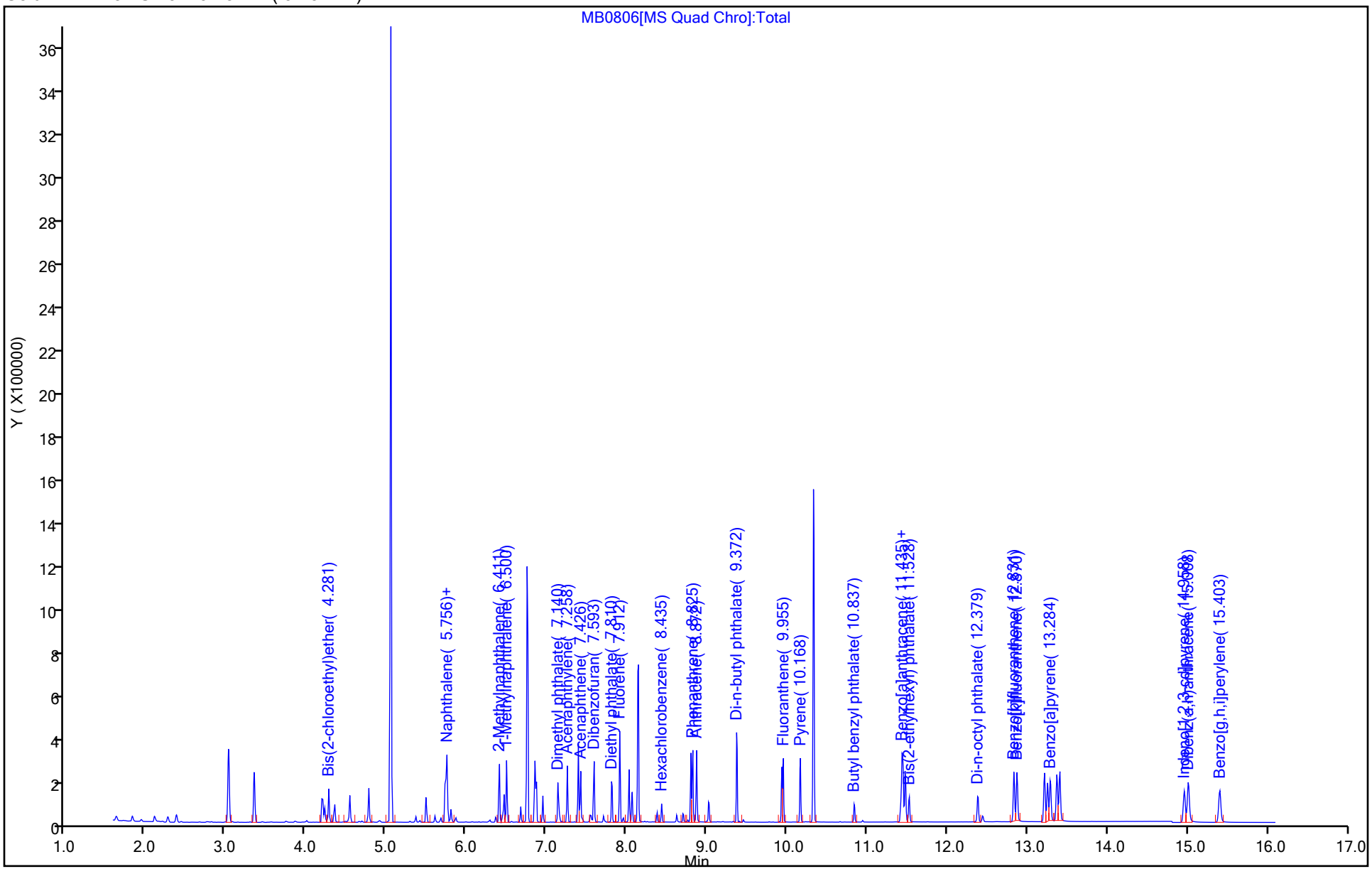
Report Date: 24-Feb-2023 20:28:58 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0806.D

Injection Date:	24-Feb-2023 06:01:01	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	LCSD 410-347487/3-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\20230224-77710.b\MB0806.D				
Lims ID:	LCSD 410-347487/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	24-Feb-2023 06:01:01	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 410-347487/3-A				
Misc. Info.:	410-0077710-007				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-Feb-2023 20:28:40	Calib Date:	26-Jan-2023 09:46:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:08:16

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2141	85.66
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2092	83.68
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2313	92.50

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

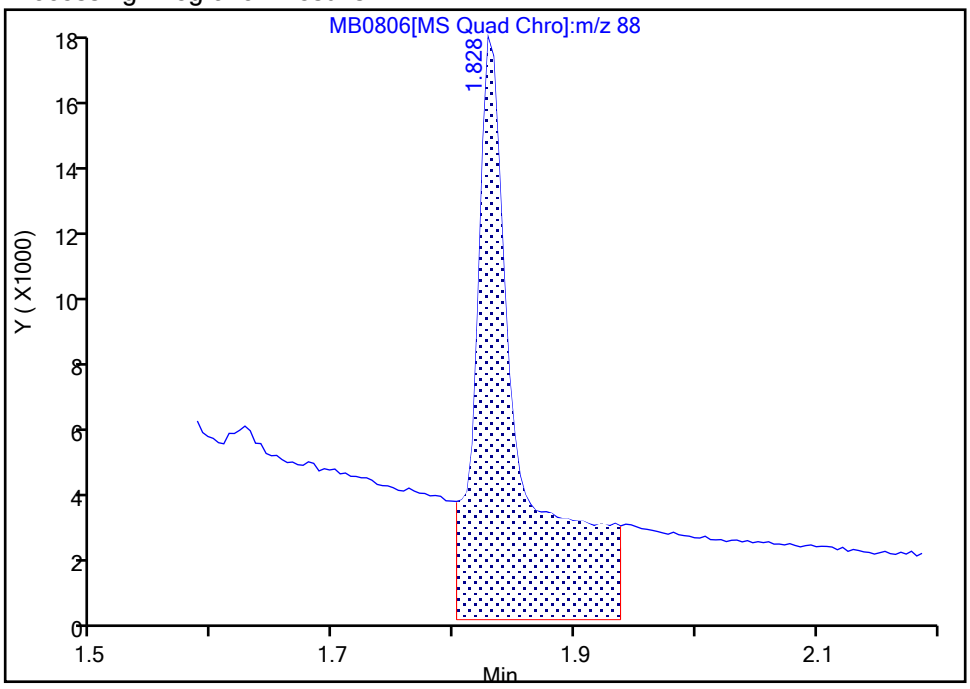
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0806.D				
Injection Date:	24-Feb-2023 06:01:01	Instrument ID:	HP21585		
Lims ID:	LCSD 410-347487/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

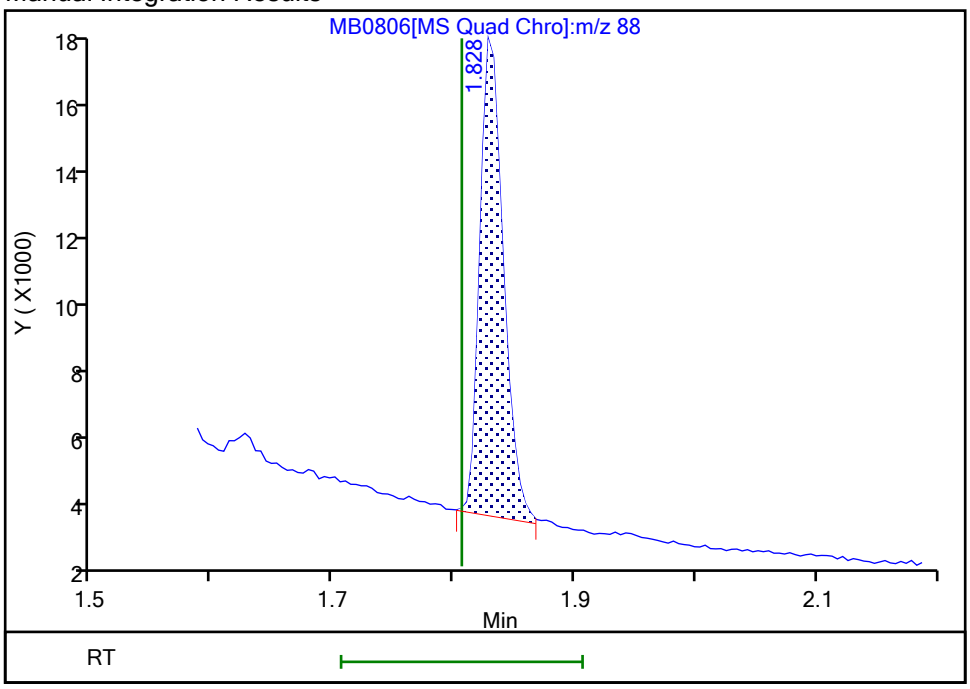
Processing Integration Results

RT: 1.83
Area: 44504
Amount: 0.344678
Amount Units: ug/ml



Manual Integration Results

RT: 1.83
Area: 18905
Amount: 0.146417
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:07:32

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

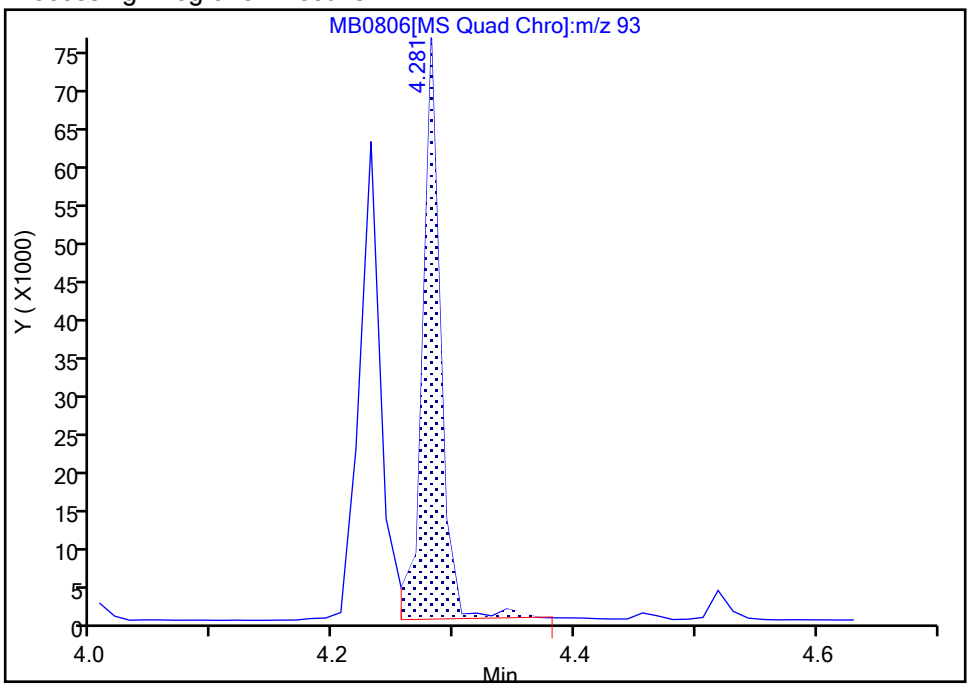
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0806.D				
Injection Date:	24-Feb-2023 06:01:01	Instrument ID:	HP21585		
Lims ID:	LCSD 410-347487/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

3 Bis(2-chloroethyl)ether, CAS: 111-44-4

Signal: 1

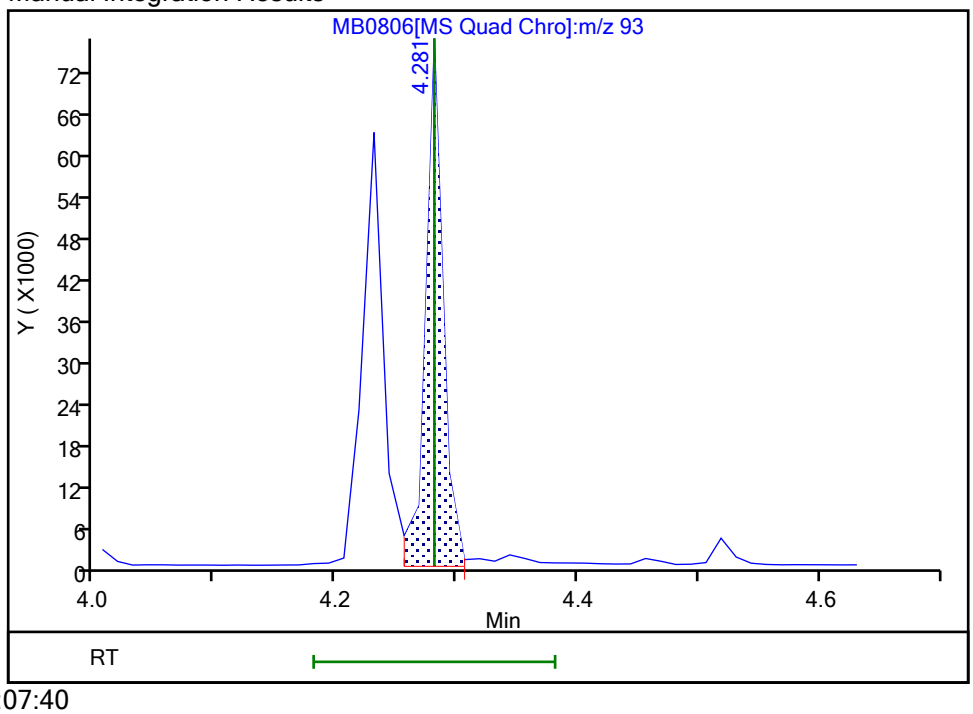
Processing Integration Results

RT: 4.28
Area: 77362
Amount: 0.305299
Amount Units: ug/ml



Manual Integration Results

RT: 4.28
Area: 75863
Amount: 0.299383
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:07:40

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

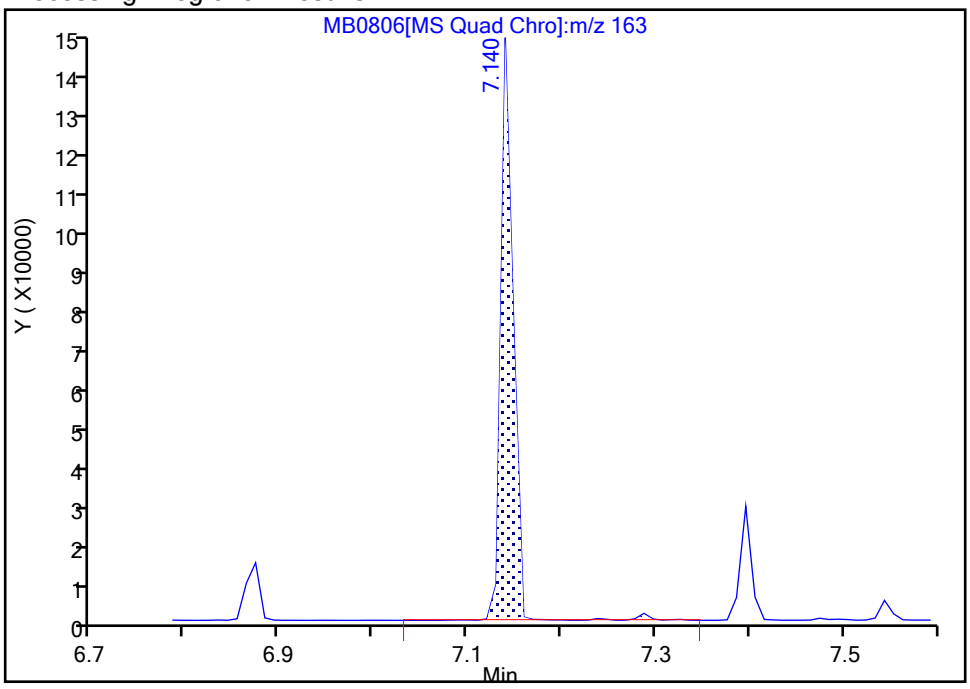
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0806.D		
Injection Date:	24-Feb-2023 06:01:01	Instrument ID:	HP21585
Lims ID:	LCSD 410-347487/3-A		
Client ID:			
Operator ID:	jmg00346	ALS Bottle#:	0 Worklist Smp#: 7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

11 Dimethyl phthalate, CAS: 131-11-3

Signal: 1

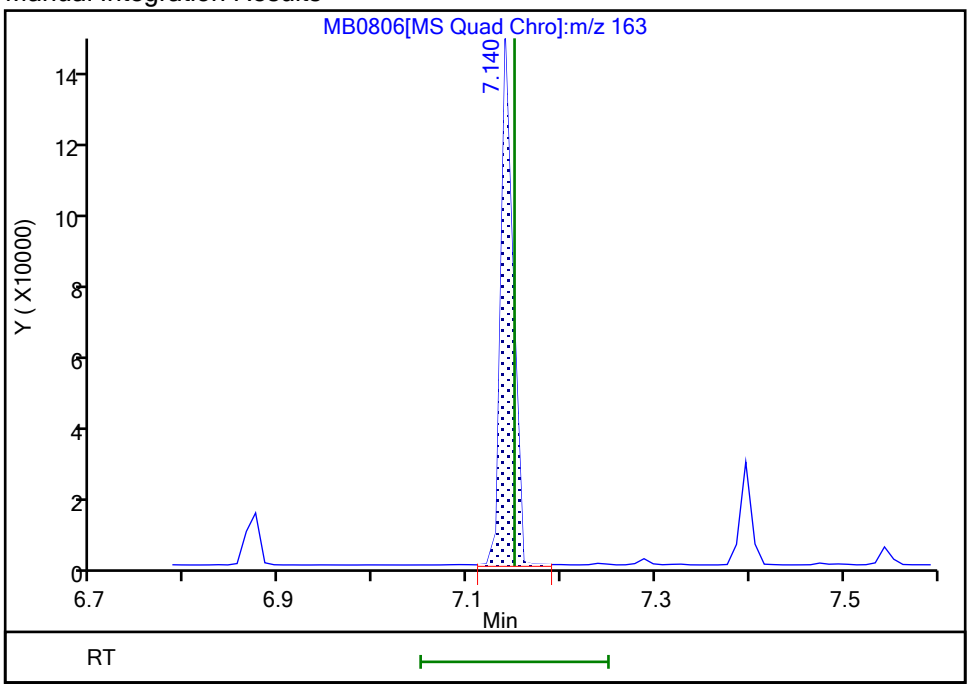
Processing Integration Results

RT: 7.14
Area: 138041
Amount: 0.214340
Amount Units: ug/ml



Manual Integration Results

RT: 7.14
Area: 135841
Amount: 0.210924
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:07:55

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

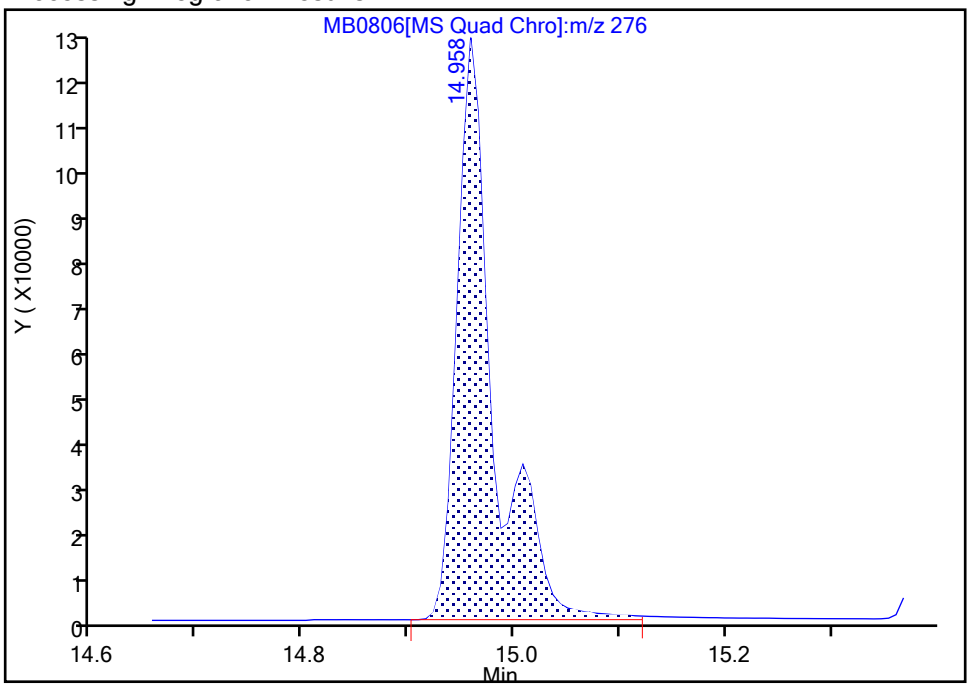
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0806.D				
Injection Date:	24-Feb-2023 06:01:01	Instrument ID:	HP21585		
Lims ID:	LCSD 410-347487/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

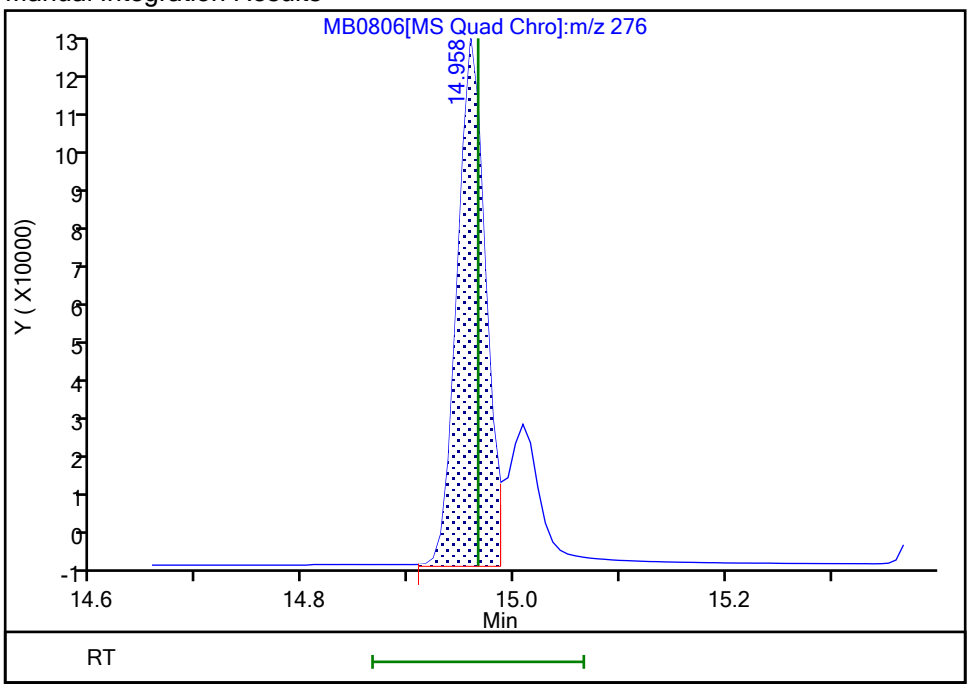
Processing Integration Results

RT: 14.96
Area: 299691
Amount: 0.294995
Amount Units: ug/ml



Manual Integration Results

RT: 14.96
Area: 226470
Amount: 0.222921
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:08:12

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

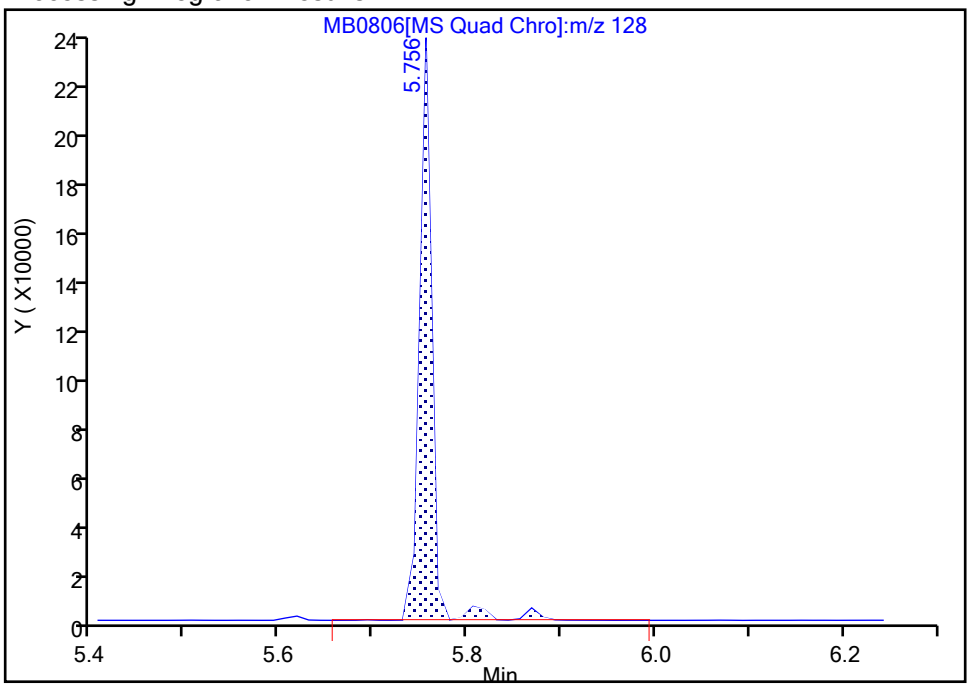
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0806.D				
Injection Date:	24-Feb-2023 06:01:01	Instrument ID:	HP21585		
Lims ID:	LCSD 410-347487/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Naphthalene, CAS: 91-20-3

Signal: 1

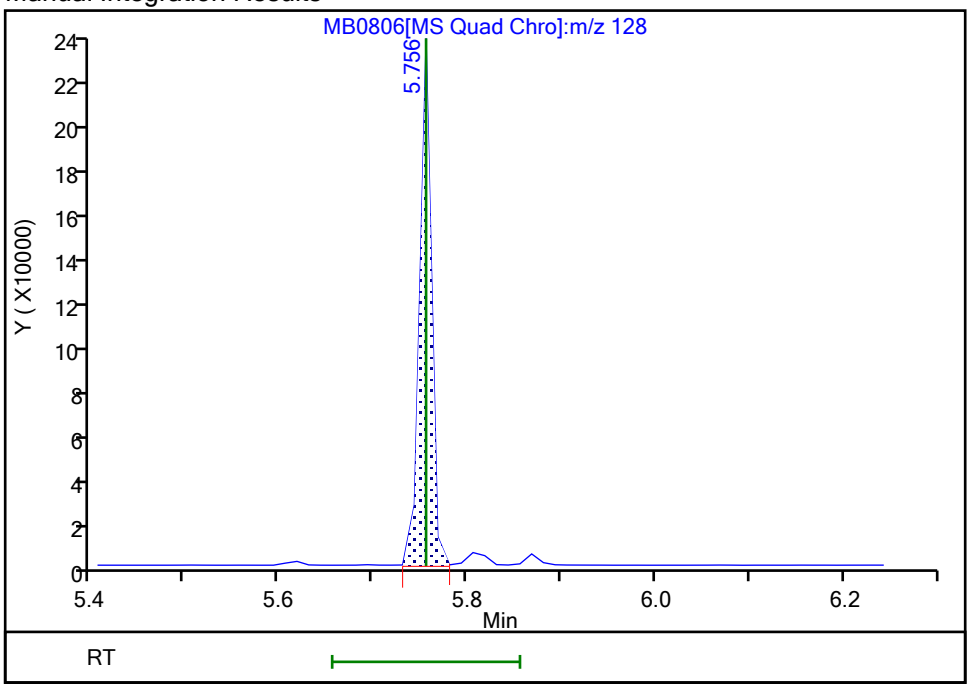
Processing Integration Results

RT: 5.76
Area: 220705
Amount: 0.233756
Amount Units: ug/ml



Manual Integration Results

RT: 5.76
Area: 206333
Amount: 0.217581
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:07:47

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

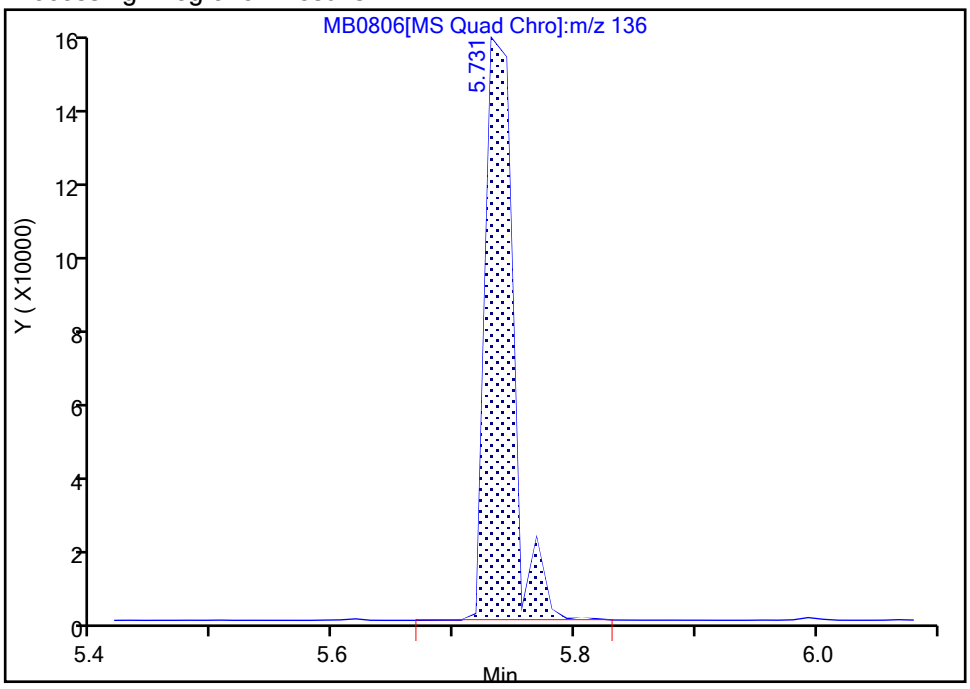
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0806.D				
Injection Date:	24-Feb-2023 06:01:01	Instrument ID:	HP21585		
Lims ID:	LCSD 410-347487/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 5 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

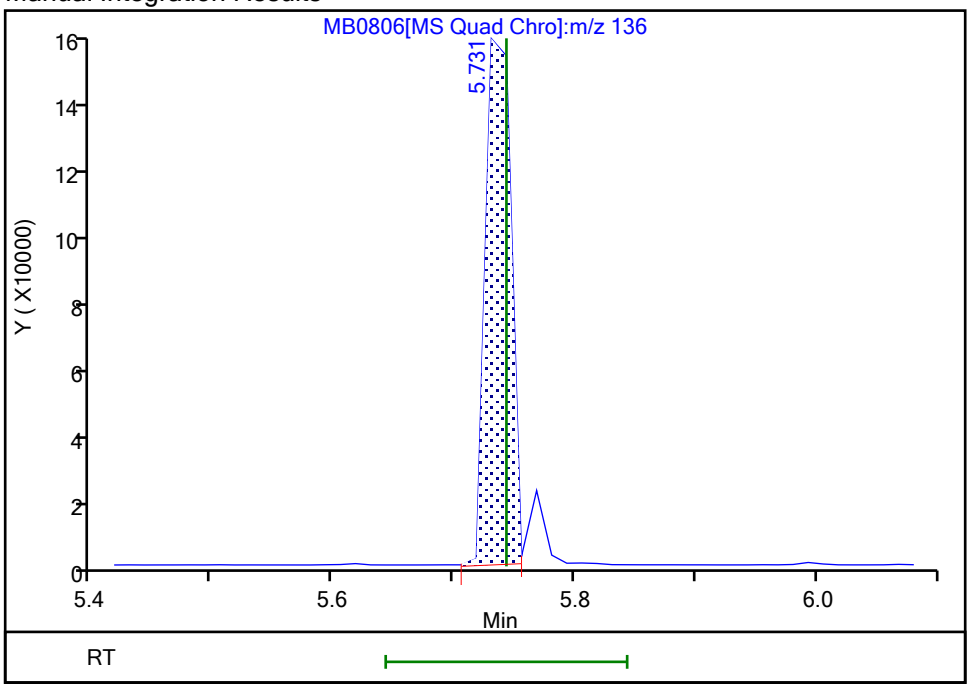
Processing Integration Results

RT: 5.73
Area: 255111
Amount: 0.250000
Amount Units: ug/ml



Manual Integration Results

RT: 5.73
Area: 234373
Amount: 0.250000
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:07:20

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.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-348351/3-A

Matrix: Water
Lab File ID: NB0754.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 250(mL)
Date Analyzed: 02/28/2023 05:01

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.: 348434
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	*1,4-Dioxane*	*0.640*		*0.30*	*0.10*
90-12-0	*1-Methylnaphthalene*	*0.758*		*0.050*	*0.020*
91-57-6	*2-Methylnaphthalene*	*0.712*		*0.050*	*0.020*
83-32-9	*Acenaphthene*	*0.959*		*0.050*	*0.010*
208-96-8	*Acenaphthylene*	*0.901*		*0.050*	*0.010*
120-12-7	*Anthracene*	*0.937*		*0.050*	*0.010*
56-55-3	*Benzo[a]anthracene*	*0.890*		*0.050*	*0.010*
50-32-8	*Benzo[a]pyrene*	*0.972*		*0.050*	*0.010*
205-99-2	*Benzo[b]fluoranthene*	*0.964*		*0.050*	*0.010*
191-24-2	*Benzo[g,h,i]perylene*	*0.915*		*0.050*	*0.010*
207-08-9	*Benzo[k]fluoranthene*	*1.05*		*0.050*	*0.010*
111-44-4	*Bis(2-chloroethyl)ether*	*1.05*		*0.050*	*0.020*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*0.866*	*J*	*1.0*	*0.050*
85-68-7	*Butylbenzylphthalate*	*0.739*	*J*	*1.0*	*0.050*
218-01-9	*Chrysene*	*0.886*		*0.050*	*0.010*
53-70-3	*Dibenz(a,h)anthracene*	*0.897*		*0.050*	*0.020*
132-64-9	*Dibenzofuran*	*0.867*		*0.050*	*0.010*
84-66-2	*Diethylphthalate*	*1.05*		*1.0*	*0.050*
131-11-3	*Dimethylphthalate*	*0.932*	*J*	*1.0*	*0.050*
84-74-2	*Di-n-butyl phthalate*	*2.53*		*1.0*	*0.050*
117-84-0	*Di-n-octyl phthalate*	*0.785*	*J*	*1.0*	*0.050*
206-44-0	*Fluoranthene*	*0.895*		*0.050*	*0.010*
86-73-7	*Fluorene*	*0.882*		*0.050*	*0.010*
118-74-1	*Hexachlorobenzene*	*0.879*		*0.050*	*0.020*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*0.900*		*0.050*	*0.020*
91-20-3	*Naphthalene*	*0.880*		*0.070*	*0.030*
62-75-9	*N-Nitrosodimethylamine*	*0.864*		*0.050*	*0.020*
85-01-8	*Phenanthrene*	*0.937*		*0.070*	*0.030*
129-00-0	*Pyrene*	*0.888*		*0.050*	*0.010*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-348351/3-A

Matrix: Water
Lab File ID: NB0754.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 250(mL)
Date Analyzed: 02/28/2023 05:01

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.: 348434
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	80		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	94		10-110
93951-69-0	Fluoranthene-d10 (Surr)	91		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0754.D
Lims ID: LCSD 410-348351/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 28-Feb-2023 05:01:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-348351/3-A
Misc. Info.: 410-0077901-005
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 28-Feb-2023 15:57:44 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: UJM0 Date: 28-Feb-2023 05:22:45

	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	1.762	1.736	0.026	83	14602	0.2500	0.1599	
	2 N-Nitrosodimethylamine	74	2.077	2.041	0.030	96	22622	0.2500	0.2159	
	3 Bis(2-chloroethyl)ether	93	4.319	4.310	0.000	100	56800	0.2500	0.2618	
*	4 1,4-Dichlorobenzene-d4	152	4.582	4.582	0.000	95	41159	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.781	5.781	0.000	100	147341	0.2500	0.2500	
	6 Naphthalene	128	5.794	5.781	0.000	100	123111	0.2500	0.2200	
	8 2-Methylnaphthalene	142	6.449	6.433	0.002	98	68759	0.2500	0.1780	
$	9 1-Methylnaphthalene-d10	152	6.509	6.493	0.002	99	51020	0.2500	0.1990	
	10 1-Methylnaphthalene	142	6.539	6.522	0.002	98	62430	0.2500	0.1895	
	11 Dimethyl phthalate	163	7.180	7.170	0.002	99	56878	0.2500	0.2329	
	12 Acenaphthylene	152	7.300	7.290	0.002	95	95648	0.2500	0.2252	
*	13 Acenaphthene-d10	164	7.431	7.438	-0.007	84	56557	0.2500	0.2500	
	14 Acenaphthene	154	7.461	7.461	-0.007	97	60182	0.2500	0.2399	
	15 Dibenzofuran	168	7.625	7.625	-0.007	96	84964	0.2500	0.2166	
	16 Diethyl phthalate	149	7.849	7.842	0.000	99	61510	0.2500	0.2627	
	17 Fluorene	166	7.949	7.949	-0.008	96	62382	0.2500	0.2204	
	19 Hexachlorobenzene	284	8.474	8.467	0.000	82	19068	0.2500	0.2197	
*	20 Phenanthrene-d10	188	8.845	8.845	0.000	100	81225	0.2500	0.2500	
	21 Phenanthrene	178	8.860	8.860	-0.008	100	79139	0.2500	0.2342	
	22 Anthracene	178	8.914	8.907	0.000	100	77122	0.2500	0.2342	
	23 Di-n-butyl phthalate	149	9.408	9.401	-0.001	100	200159	0.2500	0.6335	
$	24 Fluoranthene-d10 (Surr)	212	9.972	9.971	-0.007	99	59546	0.2500	0.2268	
	25 Fluoranthene	202	9.991	9.991	-0.001	100	73275	0.2500	0.2237	
	26 Pyrene	202	10.210	10.203	-0.001	97	74841	0.2500	0.2220	
	27 Butyl benzyl phthalate	149	10.889	10.881	-0.001	100	19098	0.2500	0.1848	
	28 Benzo[a]anthracene	228	11.502	11.494	-0.001	99	55583	0.2500	0.2225	
*	29 Chrysene-d12	240	11.518	11.519	-0.001	88	49242	0.2500	0.2500	
	30 Chrysene	228	11.548	11.540	-0.001	100	55740	0.2500	0.2216	
	31 Bis(2-ethylhexyl) phthalate	149	11.579	11.571	-0.001	99	27494	0.2500	0.2166	
	32 Di-n-octyl phthalate	149	12.461	12.454	-0.001	100	36687	0.2500	0.1961	
	33 Benzo[b]fluoranthene	252	12.936	12.929	-0.002	100	48519	0.2500	0.2410	

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	12.975	12.967	-0.001	100	58918	0.2500	0.2628	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.374	13.366	-0.001	98	33476	0.2500	0.2344	
37 Benzo[a]pyrene	252	13.404	13.397	-0.002	100	45671	0.2500	0.2429	
* 38 Perylene-d12	264	13.489	13.490	-0.001	98	42565	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.143	15.133	0.000	98	32053	0.2500	0.2249	
41 Dibenz(a,h)anthracene	278	15.199	15.190	-0.001	98	34015	0.2500	0.2242	
42 Benzo[g,h,i]perylene	276	15.616	15.606	-0.001	99	41749	0.2500	0.2286	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_IS_00032 Amount Added: 10.00 Units: uL Run Reagent

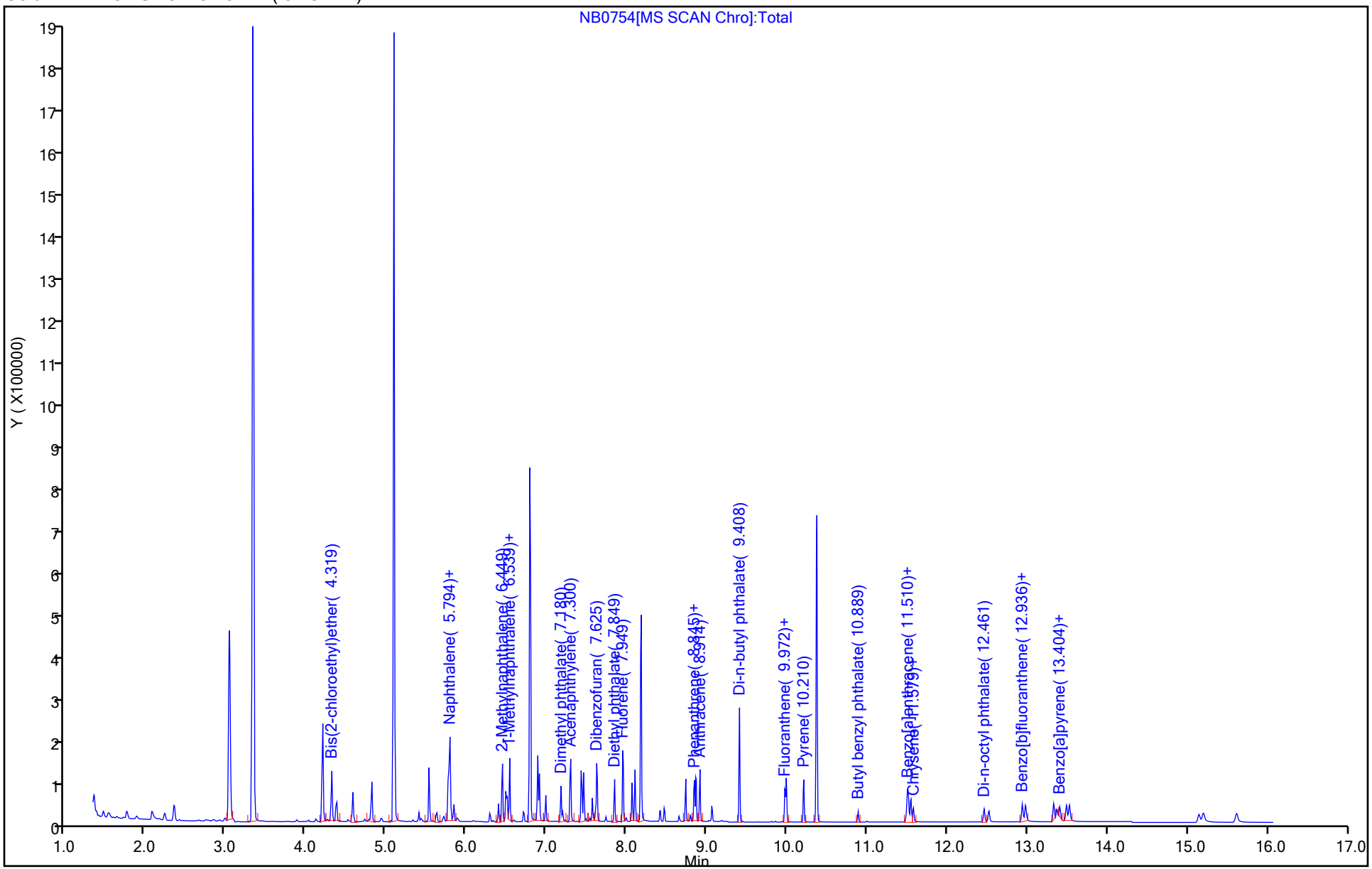
Report Date: 28-Feb-2023 15:57:57 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0754.D

Injection Date:	28-Feb-2023 05:01:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	LCSD 410-348351/3-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\20230228-77901.b\NB0754.D
Lims ID: LCSD 410-348351/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 28-Feb-2023 05:01:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-348351/3-A
Misc. Info.: 410-0077901-005
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 28-Feb-2023 15:57:44 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: UJM0 Date: 28-Feb-2023 05:22:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1990	79.59
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2268	90.73
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2344	93.77

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MS_022023 MS
Lab Sample ID: 410-115936-1 MS

Matrix: Water
Lab File ID: MB0808.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 246.4(mL)
Date Analyzed: 02/24/2023 06:43

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.: 347593
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.501		0.30	0.10
90-12-0	1-Methylnaphthalene	0.732		0.051	0.020
91-57-6	2-Methylnaphthalene	0.686		0.051	0.020
83-32-9	Acenaphthene	0.914		0.051	0.010
208-96-8	Acenaphthylene	0.846		0.051	0.010
120-12-7	Anthracene	0.971		0.051	0.010
56-55-3	Benzo[a]anthracene	1.00		0.051	0.010
50-32-8	Benzo[a]pyrene	0.993		0.051	0.010
205-99-2	Benzo[b]fluoranthene	0.966		0.051	0.010
191-24-2	Benzo[g,h,i]perylene	0.883		0.051	0.010
207-08-9	Benzo[k]fluoranthene	0.966		0.051	0.010
111-44-4	Bis(2-chloroethyl)ether	1.02		0.051	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.953	J	1.0	0.051
85-68-7	Butylbenzylphthalate	0.931	J	1.0	0.051
218-01-9	Chrysene	0.912		0.051	0.010
53-70-3	Dibenz(a,h)anthracene	0.920		0.051	0.020
132-64-9	Dibenzofuran	0.833		0.051	0.010
84-66-2	Diethylphthalate	0.964	J	1.0	0.051
131-11-3	Dimethylphthalate	0.918	J	1.0	0.051
84-74-2	Di-n-butyl phthalate	1.28		1.0	0.051
117-84-0	Di-n-octyl phthalate	0.806	J	1.0	0.051
206-44-0	Fluoranthene	0.926		0.051	0.010
86-73-7	Fluorene	0.840		0.051	0.010
118-74-1	Hexachlorobenzene	0.831		0.051	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.957		0.051	0.020
91-20-3	Naphthalene	0.792		0.071	0.030
62-75-9	N-Nitrosodimethylamine	0.859		0.051	0.020
85-01-8	Phenanthrene	0.963		0.071	0.030
129-00-0	Pyrene	0.930		0.051	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MS_022023 MS
Lab Sample ID: 410-115936-1 MS

Matrix: Water
Lab File ID: MB0808.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 246.4(mL)
Date Analyzed: 02/24/2023 06:43

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.: 347593
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	79		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	99		10-110
93951-69-0	Fluoranthene-d10 (Surr)	93		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0808.D
Lims ID: 410-115936-E-1-A MS
Client ID: FBS010-MS_022023
Sample Type: MS
Inject. Date: 24-Feb-2023 06:43:40 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-E-1-A MS
Misc. Info.: 410-0077710-009
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 24-Feb-2023 20:28:40 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:12:19

	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	1.819	1.832	0.013	84	16828	0.2500	0.1234	M
	2 N-Nitrosodimethylamine	74	2.100	2.087	0.013	82	26420	0.2500	0.2117	
	3 Bis(2-chloroethyl)ether	93	4.281	4.281	0.000	90	73226	0.2500	0.2519	M
*	4 1,4-Dichlorobenzene-d4	152	4.543	4.544	-0.001	84	79161	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.731	5.743	-0.012	91	268917	0.2500	0.2500	
	6 Naphthalene	128	5.756	5.756	0.000	93	213822	0.2500	0.1951	M
	8 2-Methylnaphthalene	142	6.411	6.411	0.000	95	133531	0.2500	0.1691	
$	9 1-Methylnaphthalene-d10	152	6.470	6.470	0.000	96	110009	0.2500	0.1974	
	10 1-Methylnaphthalene	142	6.500	6.500	0.000	99	126830	0.2500	0.1804	
	11 Dimethyl phthalate	163	7.140	7.140	-0.010	75	153464	0.2500	0.2262	
	12 Acenaphthylene	152	7.258	7.258	0.000	100	199877	0.2500	0.2085	
*	13 Acenaphthene-d10	164	7.396	7.396	0.000	90	138518	0.2500	0.2500	
	14 Acenaphthene	154	7.426	7.425	0.000	86	138644	0.2500	0.2251	
	15 Dibenzofuran	168	7.593	7.593	0.000	83	208883	0.2500	0.2054	
	16 Diethyl phthalate	149	7.810	7.810	-0.008	100	139546	0.2500	0.2374	
	17 Fluorene	166	7.912	7.912	-0.008	98	156716	0.2500	0.2070	
	19 Hexachlorobenzene	284	8.435	8.435	-0.008	91	56803	0.2500	0.2047	
*	20 Phenanthrene-d10	188	8.802	8.809	-0.007	95	244679	0.2500	0.2500	
	21 Phenanthrene	178	8.825	8.825	0.000	100	243134	0.2500	0.2373	
	22 Anthracene	178	8.872	8.872	-0.008	100	230615	0.2500	0.2393	
	23 Di-n-butyl phthalate	149	9.372	9.372	-0.006	100	258207	0.2500	0.3151	
$	24 Fluoranthene-d10 (Surr)	212	9.936	9.936	-0.006	98	218626	0.2500	0.2327	
	25 Fluoranthene	202	9.948	9.955	-0.013	100	268659	0.2500	0.2282	
	26 Pyrene	202	10.168	10.168	-0.006	98	273497	0.2500	0.2292	
	27 Butyl benzyl phthalate	149	10.837	10.845	-0.008	100	72135	0.2500	0.2294	
	28 Benzo[a]anthracene	228	11.435	11.435	-0.008	100	236499	0.2500	0.2472	
*	29 Chrysene-d12	240	11.451	11.451	0.000	58	197816	0.2500	0.2500	
	30 Chrysene	228	11.474	11.474	-0.008	100	239720	0.2500	0.2247	
	31 Bis(2-ethylhexyl) phthalate	149	11.520	11.527	-0.008	100	98480	0.2500	0.2348	
	32 Di-n-octyl phthalate	149	12.379	12.379	-0.008	100	158371	0.2500	0.1986	
	33 Benzo[b]fluoranthene	252	12.831	12.831	-0.008	100	290251	0.2500	0.2380	

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	12.869	-0.007	100	289315	0.2500	0.2380	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.253	13.253	-0.008	100	207728	0.2500	0.2466	
37 Benzo[a]pyrene	252	13.284	13.291	-0.008	100	266099	0.2500	0.2446	
* 38 Perylene-d12	264	13.368	13.376	-0.008	100	256067	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.958	14.958	-0.008	99	264251	0.2500	0.2359	M
41 Dibenz(a,h)anthracene	278	15.015	15.008	-0.007	96	284268	0.2500	0.2267	
42 Benzo[g,h,i]perylene	276	15.403	15.403	-0.007	96	295227	0.2500	0.2175	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

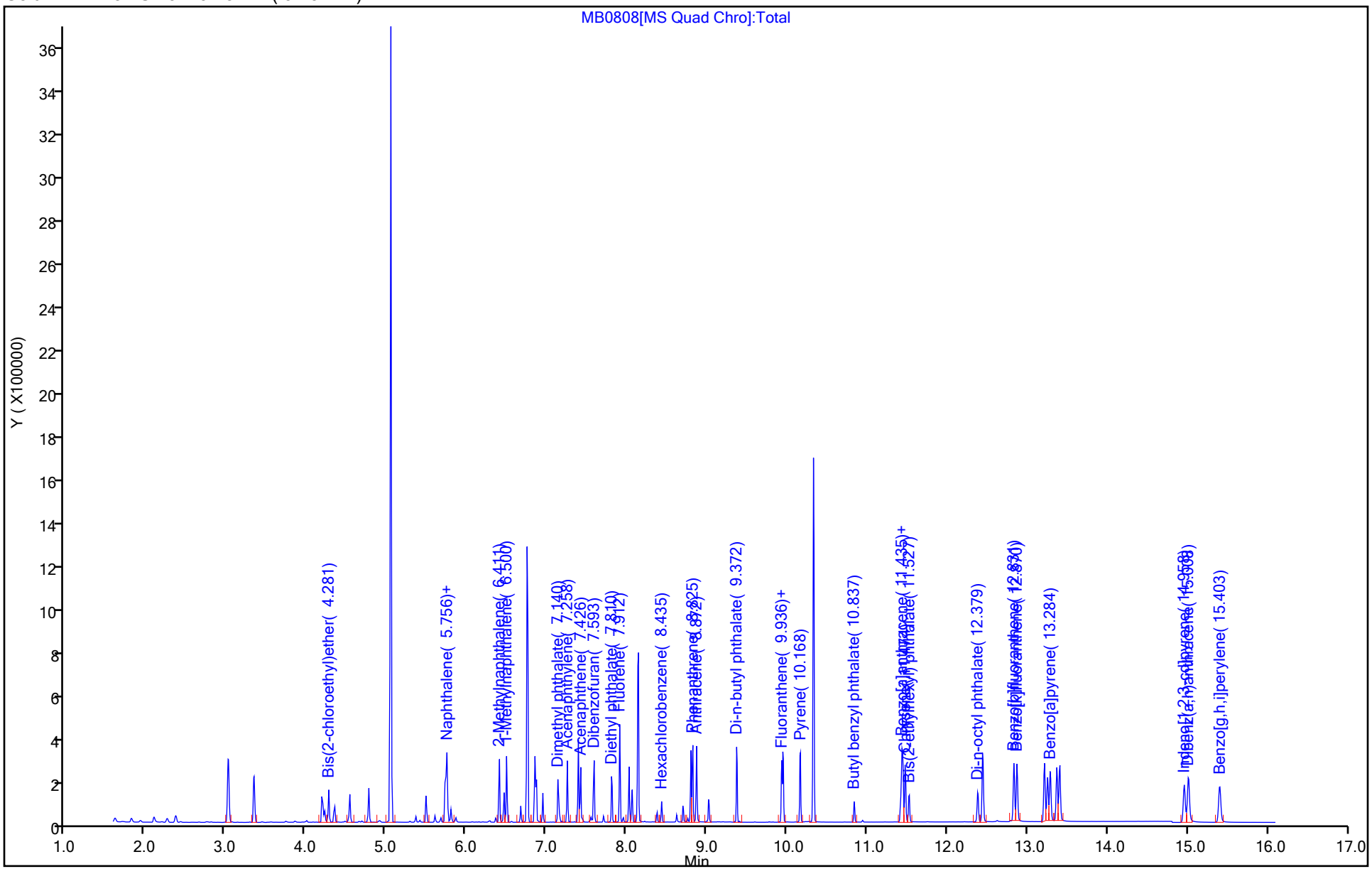
MSS_RVSIM_IS_00033 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 24-Feb-2023 20:29:00 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0808.D				
Injection Date:	24-Feb-2023 06:43:40	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-115936-E-1-A MS			Worklist Smp#:	9
Client ID:	FBS010-MS_022023				
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\20230224-77710.b\MB0808.D				
Lims ID:	410-115936-E-1-A MS				
Client ID:	FBS010-MS_022023				
Sample Type:	MS				
Inject. Date:	24-Feb-2023 06:43:40	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-E-1-A MS				
Misc. Info.:	410-0077710-009				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-Feb-2023 20:28:40	Calib Date:	26-Jan-2023 09:46:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:12:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1974	78.95
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2327	93.09
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2466	98.66

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

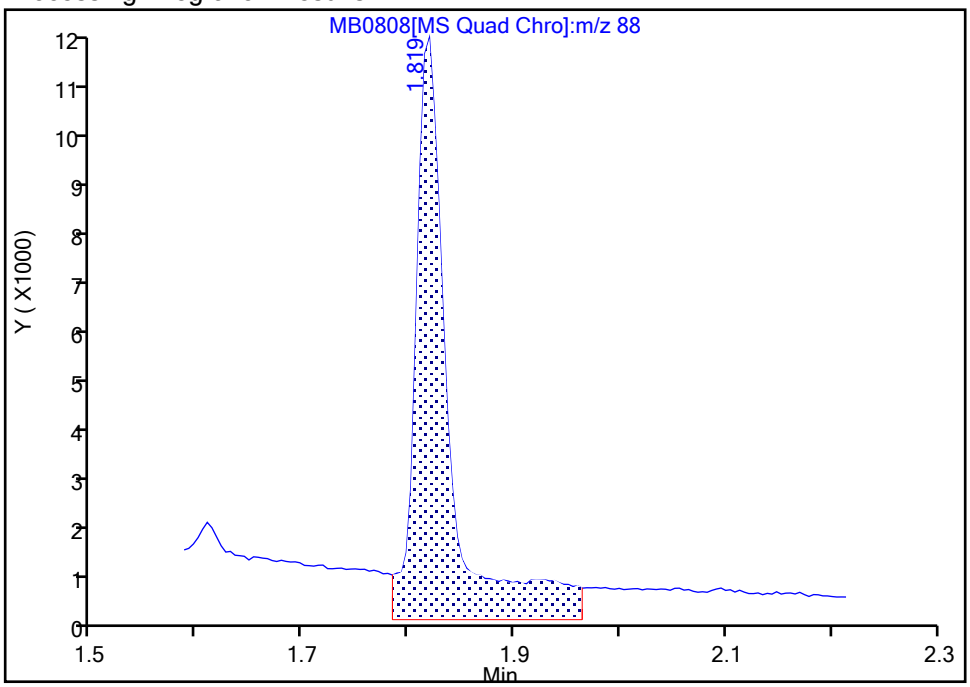
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0808.D				
Injection Date:	24-Feb-2023 06:43:40	Instrument ID:	HP21585		
Lims ID:	410-115936-E-1-A MS				
Client ID:	FBS010-MS_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

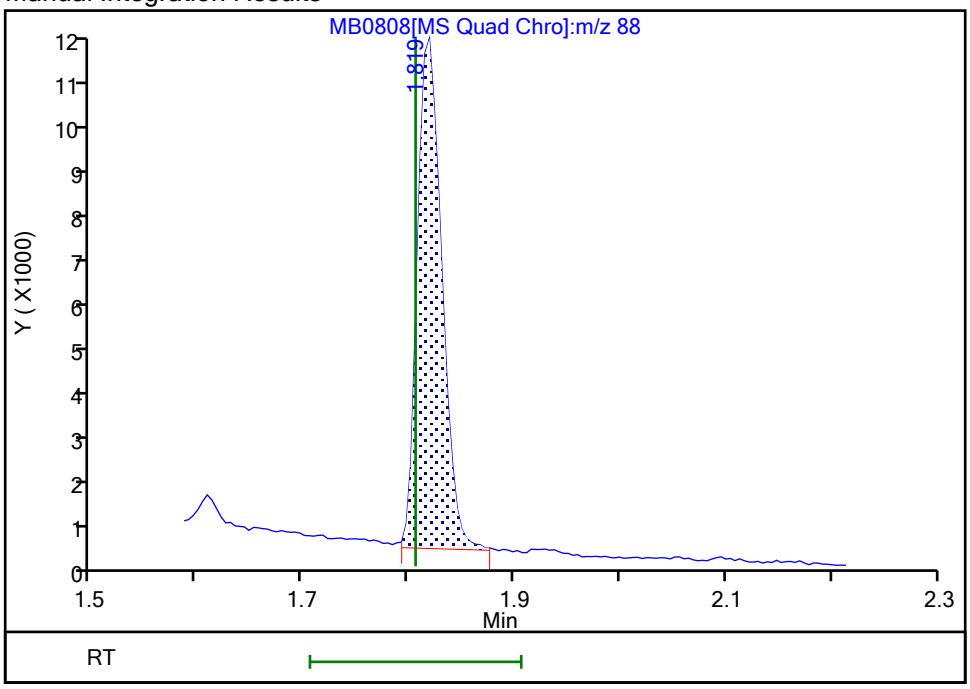
Processing Integration Results

RT: 1.82
Area: 25240
Amount: 0.185060
Amount Units: ug/ml



Manual Integration Results

RT: 1.82
Area: 16828
Amount: 0.123383
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:11:27

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

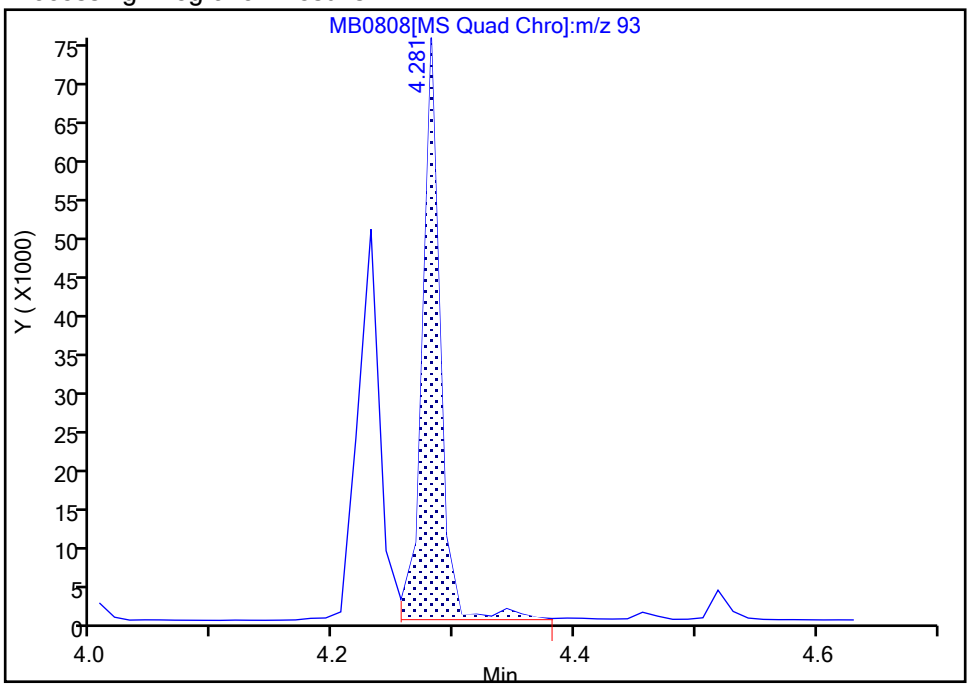
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0808.D				
Injection Date:	24-Feb-2023 06:43:40	Instrument ID:	HP21585		
Lims ID:	410-115936-E-1-A MS				
Client ID:	FBS010-MS_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

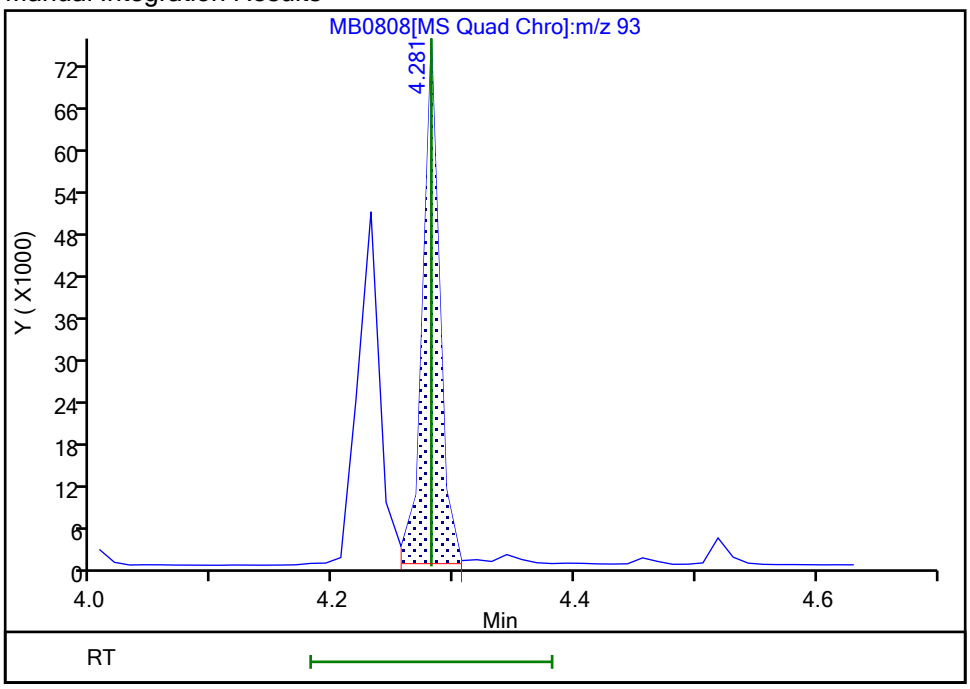
Processing Integration Results

RT: 4.28
Area: 76486
Amount: 0.263069
Amount Units: ug/ml



Manual Integration Results

RT: 4.28
Area: 73226
Amount: 0.251856
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:11:37

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

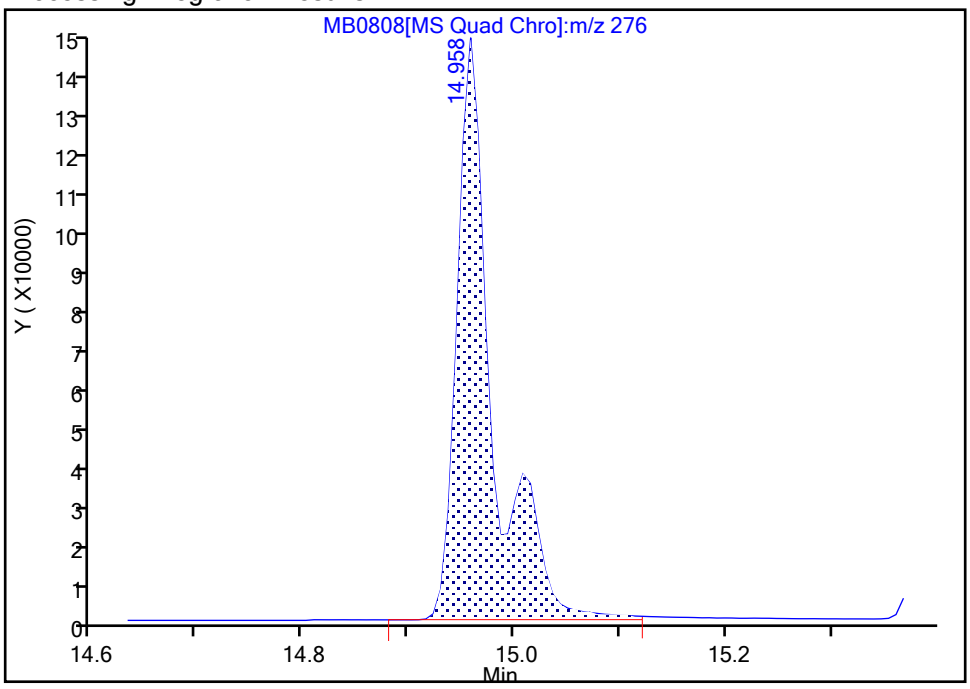
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0808.D				
Injection Date:	24-Feb-2023 06:43:40	Instrument ID:	HP21585		
Lims ID:	410-115936-E-1-A MS				
Client ID:	FBS010-MS_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

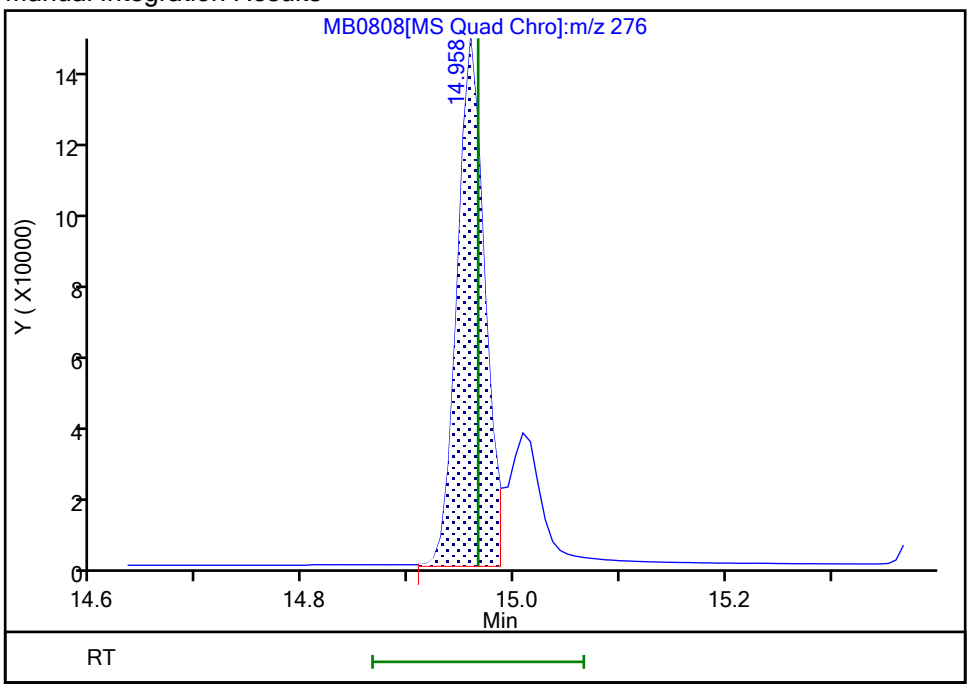
Processing Integration Results

RT: 14.96
Area: 349720
Amount: 0.312210
Amount Units: ug/ml



Manual Integration Results

RT: 14.96
Area: 264251
Amount: 0.235908
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:12:04

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

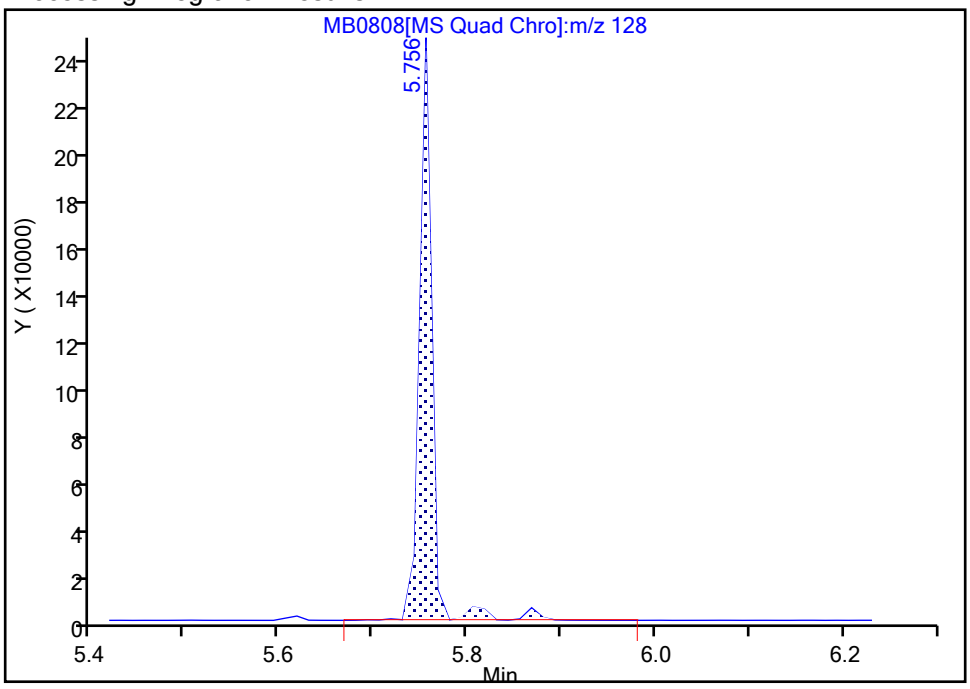
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0808.D				
Injection Date:	24-Feb-2023 06:43:40	Instrument ID:	HP21585		
Lims ID:	410-115936-E-1-A MS				
Client ID:	FBS010-MS_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Naphthalene, CAS: 91-20-3

Signal: 1

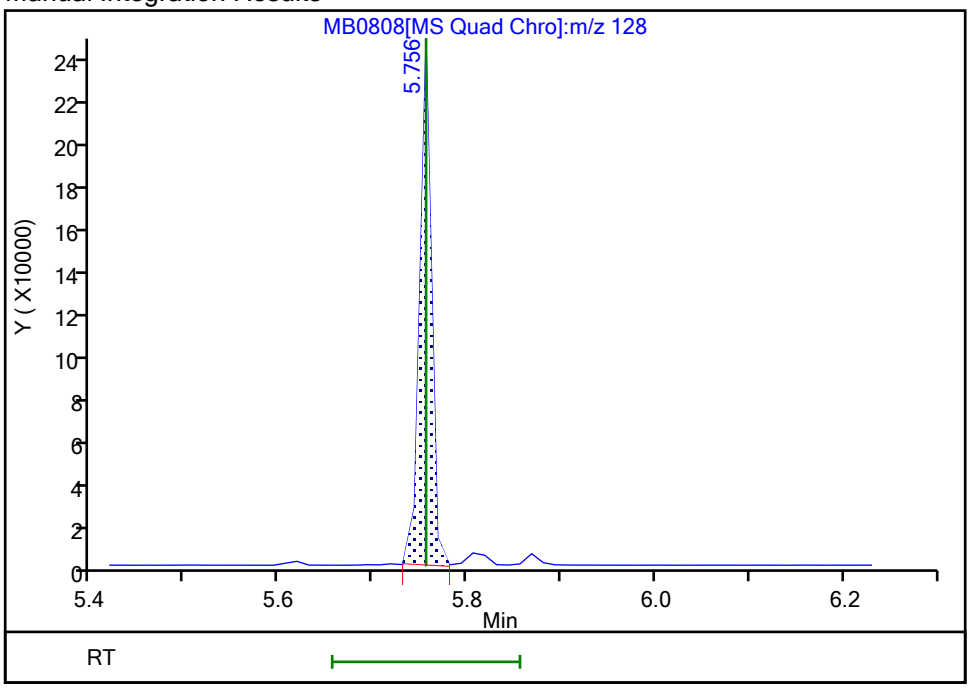
Processing Integration Results

RT: 5.76
Area: 229637
Amount: 0.210609
Amount Units: ug/ml



Manual Integration Results

RT: 5.76
Area: 213822
Amount: 0.195095
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:11:45

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.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MS_022023 MS RE
Lab Sample ID: 410-115936-1 MS RE

Matrix: Water
Lab File ID: NB0756.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 246.7(mL)
Date Analyzed: 02/28/2023 05:44

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.: 348434
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	*1,4-Dioxane*	*0.566*		*0.30*	*0.10*
90-12-0	*1-Methylnaphthalene*	*0.820*		*0.051*	*0.020*
91-57-6	*2-Methylnaphthalene*	*0.768*		*0.051*	*0.020*
83-32-9	*Acenaphthene*	*1.04*		*0.051*	*0.010*
208-96-8	*Acenaphthylene*	*0.974*		*0.051*	*0.010*
120-12-7	*Anthracene*	*0.983*		*0.051*	*0.010*
56-55-3	*Benzo[a]anthracene*	*0.957*		*0.051*	*0.010*
50-32-8	*Benzo[a]pyrene*	*1.06*		*0.051*	*0.010*
205-99-2	*Benzo[b]fluoranthene*	*1.03*		*0.051*	*0.010*
191-24-2	*Benzo[g,h,i]perylene*	*0.980*		*0.051*	*0.010*
207-08-9	*Benzo[k]fluoranthene*	*1.12*		*0.051*	*0.010*
111-44-4	*Bis(2-chloroethyl)ether*	*1.03*		*0.051*	*0.020*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*2.38*		*1.0*	*0.051*
85-68-7	*Butylbenzylphthalate*	*0.827*	*J*	*1.0*	*0.051*
218-01-9	*Chrysene*	*0.982*		*0.051*	*0.010*
53-70-3	*Dibenz(a,h)anthracene*	*0.938*		*0.051*	*0.020*
132-64-9	*Dibenzofuran*	*0.953*		*0.051*	*0.010*
84-66-2	*Diethylphthalate*	*1.15*		*1.0*	*0.051*
131-11-3	*Dimethylphthalate*	*1.04*		*1.0*	*0.051*
84-74-2	*Di-n-butyl phthalate*	*3.75*		*1.0*	*0.051*
117-84-0	*Di-n-octyl phthalate*	*0.883*	*J*	*1.0*	*0.051*
206-44-0	*Fluoranthene*	*0.928*		*0.051*	*0.010*
86-73-7	*Fluorene*	*0.956*		*0.051*	*0.010*
118-74-1	*Hexachlorobenzene*	*0.950*		*0.051*	*0.020*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*0.942*		*0.051*	*0.020*
91-20-3	*Naphthalene*	*0.935*		*0.071*	*0.030*
62-75-9	*N-Nitrosodimethylamine*	*0.851*		*0.051*	*0.020*
85-01-8	*Phenanthrene*	*1.04*		*0.071*	*0.030*
129-00-0	*Pyrene*	*0.989*		*0.051*	*0.010*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MS_022023 MS RE
Lab Sample ID: 410-115936-1 MS RE

Matrix: Water
Lab File ID: NB0756.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 246.7(mL)
Date Analyzed: 02/28/2023 05:44

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.: 348434
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	82		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	99		10-110
93951-69-0	Fluoranthene-d10 (Surr)	96		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0756.D
Lims ID: 410-115936-G-1-A MS RE
Client ID: FBS010-MS_022023
Sample Type: MS
Inject. Date: 28-Feb-2023 05:44:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-G-1-A MS
Misc. Info.: 410-0077901-007
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 28-Feb-2023 15:57:44 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: UJM0 Date: 28-Feb-2023 06:03:24

	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	1.749	1.736	0.013	93	11442	0.2500	0.1396	M
	2 N-Nitrosodimethylamine	74	2.064	2.041	0.017	79	19760	0.2500	0.2101	
	3 Bis(2-chloroethyl)ether	93	4.319	4.310	0.000	97	49897	0.2500	0.2551	
*	4 1,4-Dichlorobenzene-d4	152	4.582	4.582	0.000	97	36952	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.781	5.781	0.000	100	132818	0.2500	0.2500	
	6 Naphthalene	128	5.794	5.781	0.000	100	116096	0.2500	0.2307	
	8 2-Methylnaphthalene	142	6.449	6.433	0.002	98	65938	0.2500	0.1894	
$	9 1-Methylnaphthalene-d10	152	6.509	6.493	0.002	99	47623	0.2500	0.2060	
	10 1-Methylnaphthalene	142	6.539	6.522	0.002	98	60076	0.2500	0.2023	
	11 Dimethyl phthalate	163	7.180	7.170	0.002	99	54956	0.2500	0.2571	
	12 Acenaphthylene	152	7.300	7.290	0.002	94	89267	0.2500	0.2402	
*	13 Acenaphthene-d10	164	7.431	7.438	-0.007	83	49495	0.2500	0.2500	
	14 Acenaphthene	154	7.461	7.461	-0.007	97	56117	0.2500	0.2556	
	15 Dibenzofuran	168	7.625	7.625	-0.007	97	80714	0.2500	0.2352	
	16 Diethyl phthalate	149	7.849	7.842	0.000	99	57899	0.2500	0.2826	
	17 Fluorene	166	7.949	7.949	-0.008	96	58411	0.2500	0.2358	
	19 Hexachlorobenzene	284	8.467	8.467	-0.007	97	18109	0.2500	0.2343	
*	20 Phenanthrene-d10	188	8.845	8.845	0.000	100	72339	0.2500	0.2500	
	21 Phenanthrene	178	8.860	8.860	-0.008	100	76984	0.2500	0.2564	
	22 Anthracene	178	8.915	8.907	0.001	100	71119	0.2500	0.2425	
	23 Di-n-butyl phthalate	149	9.408	9.401	-0.001	100	260004	0.2500	0.9240	
$	24 Fluoranthene-d10 (Surr)	212	9.972	9.971	-0.007	99	55945	0.2500	0.2393	
	25 Fluoranthene	202	9.991	9.991	-0.001	100	66802	0.2500	0.2290	
	26 Pyrene	202	10.210	10.203	-0.001	97	70234	0.2500	0.2441	
	27 Butyl benzyl phthalate	149	10.889	10.881	-0.001	100	17995	0.2500	0.2040	
	28 Benzo[a]anthracene	228	11.502	11.494	-0.001	99	50314	0.2500	0.2360	
*	29 Chrysene-d12	240	11.518	11.519	-0.001	88	42031	0.2500	0.2500	
	30 Chrysene	228	11.548	11.540	-0.001	100	52015	0.2500	0.2423	
	31 Bis(2-ethylhexyl) phthalate	149	11.579	11.571	-0.001	100	63749	0.2500	0.5883	
	32 Di-n-octyl phthalate	149	12.461	12.454	-0.001	98	35726	0.2500	0.2177	M
	33 Benzo[b]fluoranthene	252	12.936	12.929	-0.002	100	44897	0.2500	0.2542	

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	12.975	12.967	-0.001	100	54186	0.2500	0.2755	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.366	13.366	-0.009	100	30945	0.2500	0.2470	
37 Benzo[a]pyrene	252	13.404	13.397	-0.002	100	43158	0.2500	0.2617	
* 38 Perylene-d12	264	13.489	13.490	-0.001	97	37339	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.143	15.133	0.000	98	29050	0.2500	0.2324	
41 Dibenz(a,h)anthracene	278	15.199	15.190	-0.001	98	30803	0.2500	0.2315	
42 Benzo[g,h,i]perylene	276	15.609	15.606	-0.008	100	38717	0.2500	0.2417	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00032 Amount Added: 10.00 Units: uL Run Reagent

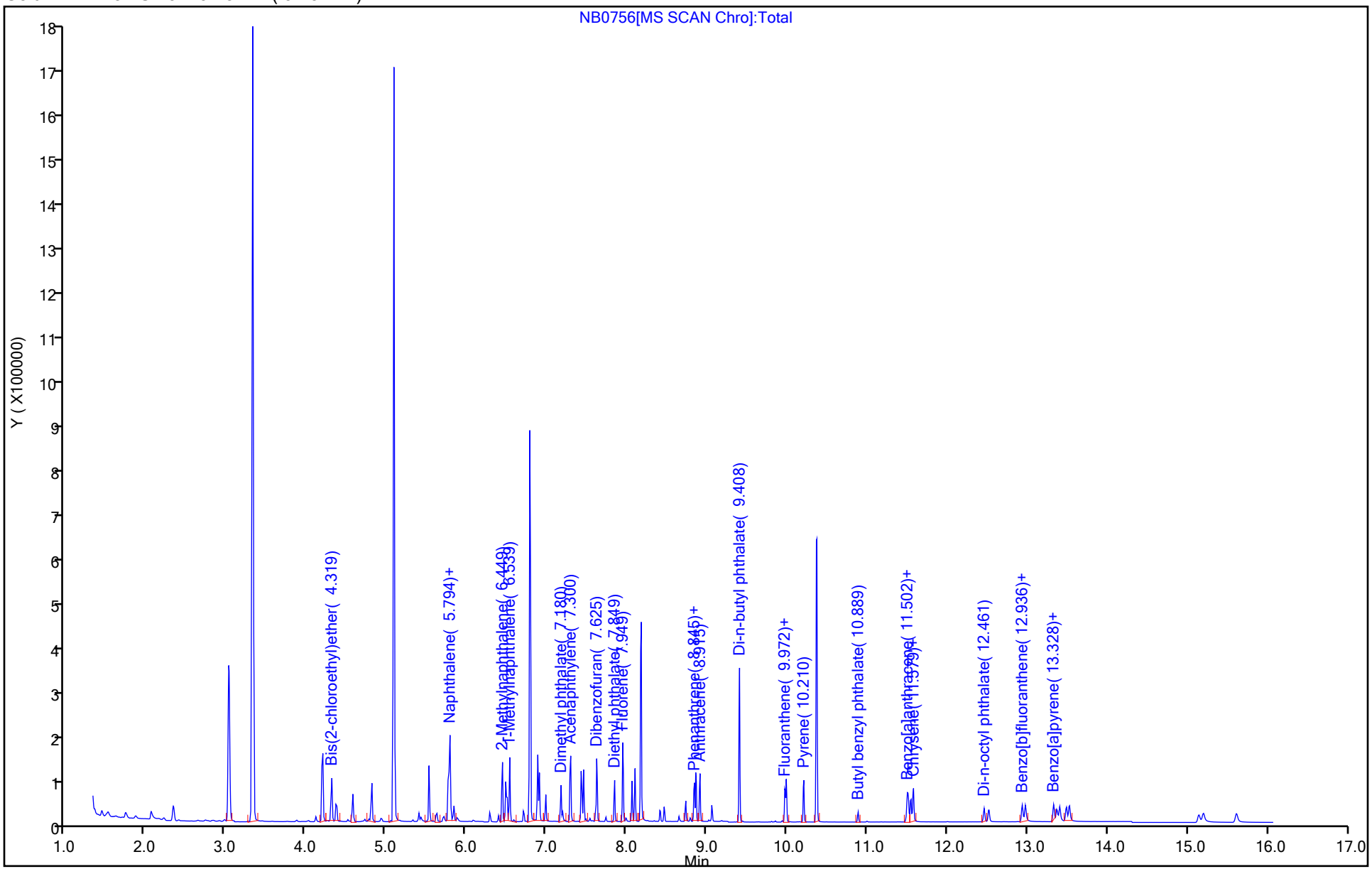
Report Date: 28-Feb-2023 15:57:59 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0756.D

Injection Date:	28-Feb-2023 05:44:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-115936-G-1-A MS RE			Worklist Smp#:	7
Client ID:	FBS010-MS_022023				
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\20230228-77901.b\NB0756.D				
Lims ID:	410-115936-G-1-A MS RE				
Client ID:	FBS010-MS_022023				
Sample Type:	MS				
Inject. Date:	28-Feb-2023 05:44:30	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-G-1-A MS				
Misc. Info.:	410-0077901-007				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	28-Feb-2023 15:57:44	Calib Date:	22-Feb-2023 01:02:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1680				

First Level Reviewer: UJM0 Date: 28-Feb-2023 06:03:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2060	82.41
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2393	95.72
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2470	98.81

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

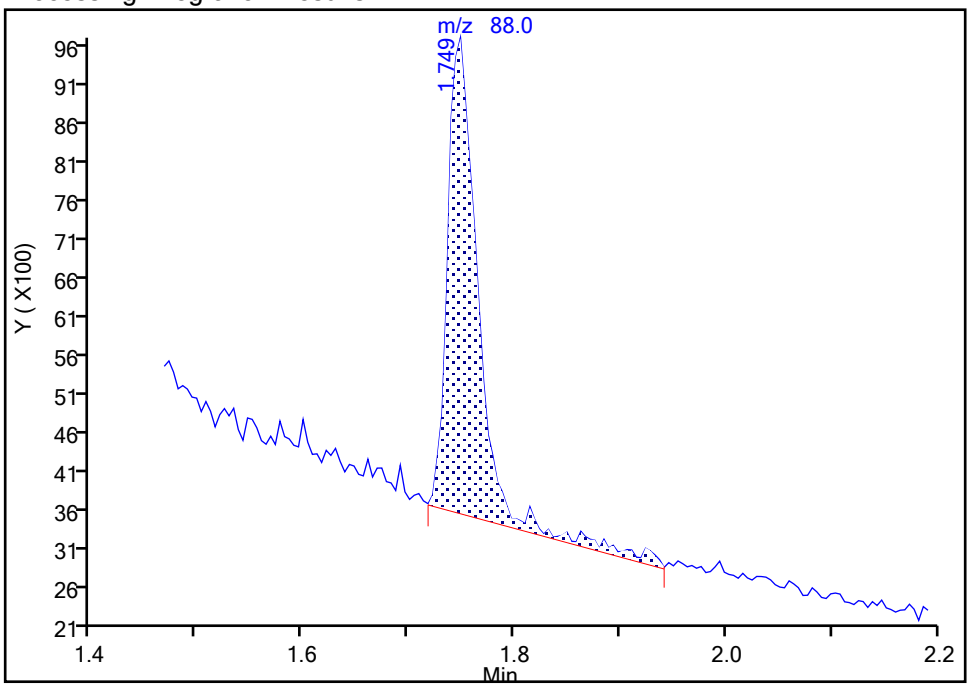
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0756.D				
Injection Date:	28-Feb-2023 05:44:30	Instrument ID:	HP23263		
Lims ID:	410-115936-G-1-A MS RE				
Client ID:	FBS010-MS_022023				
Operator ID:	jmg00346	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

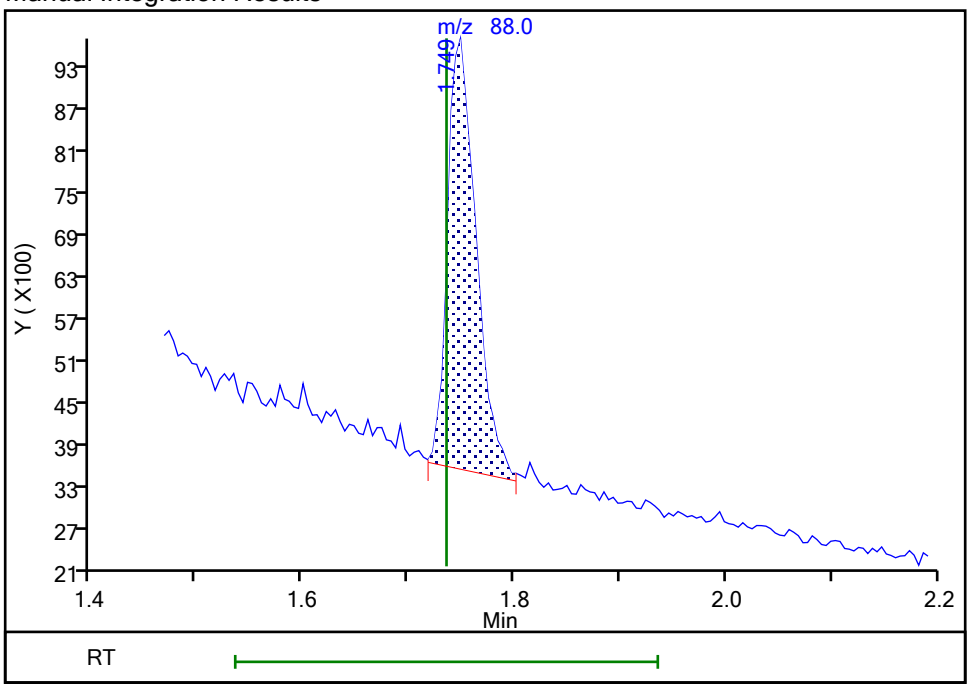
Processing Integration Results

RT: 1.75
Area: 12208
Amount: 0.148925
Amount Units: ug/ml



Manual Integration Results

RT: 1.75
Area: 11442
Amount: 0.139581
Amount Units: ug/ml



Reviewer: UJM0, 28-Feb-2023 06:02:51

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

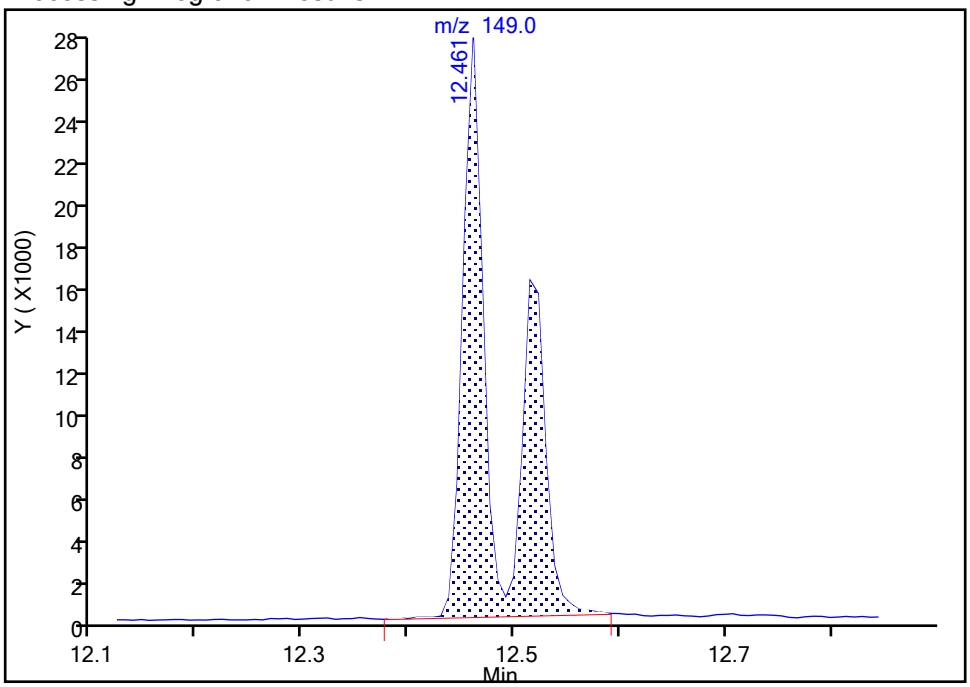
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0756.D				
Injection Date:	28-Feb-2023 05:44:30	Instrument ID:	HP23263		
Lims ID:	410-115936-G-1-A MS RE				
Client ID:	FBS010-MS_022023				
Operator ID:	jmg00346	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

32 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 1

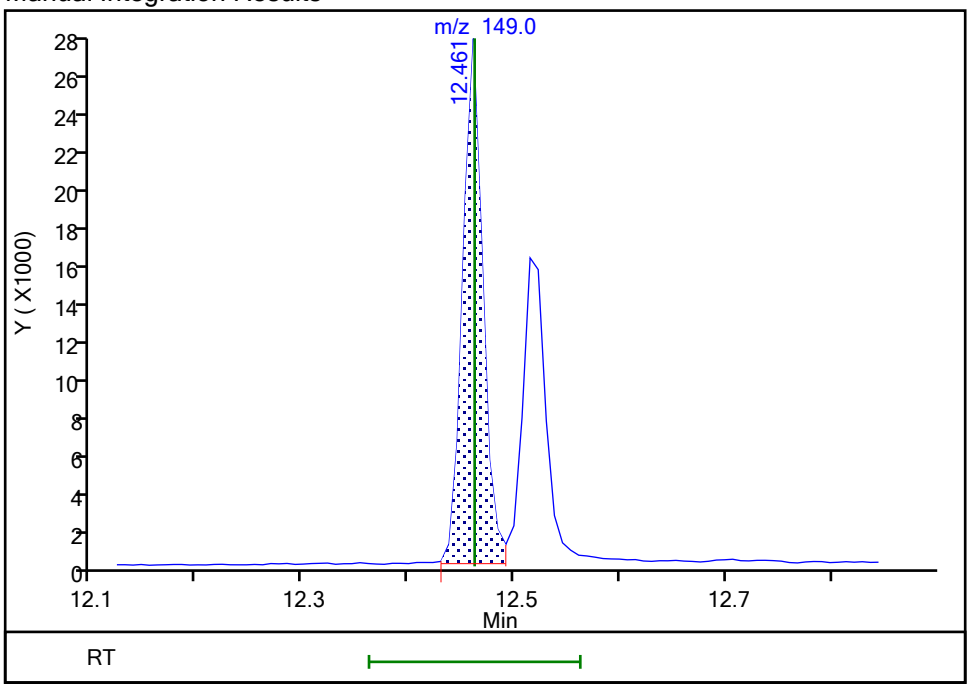
Processing Integration Results

RT: 12.46
Area: 59562
Amount: 0.362995
Amount Units: ug/ml



Manual Integration Results

RT: 12.46
Area: 35726
Amount: 0.217729
Amount Units: ug/ml



Reviewer: UJM0, 28-Feb-2023 06:03:11

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.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MSD_022023 MSD
Lab Sample ID: 410-115936-1 MSD

Matrix: Water
Lab File ID: MB0809.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 248.4(mL)
Date Analyzed: 02/24/2023 07:04

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.: 347593
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.621		0.30	0.10
90-12-0	1-Methylnaphthalene	0.915		0.050	0.020
91-57-6	2-Methylnaphthalene	0.855		0.050	0.020
83-32-9	Acenaphthene	1.02		0.050	0.010
208-96-8	Acenaphthylene	0.951		0.050	0.010
120-12-7	Anthracene	1.03		0.050	0.010
56-55-3	Benzo[a]anthracene	0.991		0.050	0.010
50-32-8	Benzo[a]pyrene	0.972		0.050	0.010
205-99-2	Benzo[b]fluoranthene	0.862		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	0.797		0.050	0.010
207-08-9	Benzo[k]fluoranthene	1.00		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	1.31		0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.764	J	1.0	0.050
85-68-7	Butylbenzylphthalate	0.946	J	1.0	0.050
218-01-9	Chrysene	0.887		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	0.815		0.050	0.020
132-64-9	Dibenzofuran	0.943		0.050	0.010
84-66-2	Diethylphthalate	1.00		1.0	0.050
131-11-3	Dimethylphthalate	0.985	J	1.0	0.050
84-74-2	Di-n-butyl phthalate	1.38		1.0	0.050
117-84-0	Di-n-octyl phthalate	0.659	J	1.0	0.050
206-44-0	Fluoranthene	0.937		0.050	0.010
86-73-7	Fluorene	0.931		0.050	0.010
118-74-1	Hexachlorobenzene	0.880		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.867		0.050	0.020
91-20-3	Naphthalene	0.985		0.070	0.030
62-75-9	N-Nitrosodimethylamine	0.997		0.050	0.020
85-01-8	Phenanthrene	0.998		0.070	0.030
129-00-0	Pyrene	0.951		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MSD_022023 MSD
Lab Sample ID: 410-115936-1 MSD

Matrix: Water
Lab File ID: MB0809.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/23/2023 16:24

Sample wt/vol: 248.4(mL)
Date Analyzed: 02/24/2023 07:04

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.: 347593
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	99		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	95		10-110
93951-69-0	Fluoranthene-d10 (Surr)	95		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0809.D
Lims ID: 410-115936-D-1-A MSD
Client ID: FBS010-MSD_022023
Sample Type: MSD
Inject. Date: 24-Feb-2023 07:04:56 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-D-1-A MSD
Misc. Info.: 410-0077710-010
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 24-Feb-2023 20:28:40 Calib Date: 26-Jan-2023 09:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:13:59

	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	1.832	1.832	0.026	84	19757	0.2500	0.1542	M
	2 N-Nitrosodimethylamine	74	2.109	2.087	0.021	82	29026	0.2500	0.2476	
	3 Bis(2-chloroethyl)ether	93	4.281	4.281	0.000	87	82955	0.2500	0.3264	M
*	4 1,4-Dichlorobenzene-d4	152	4.543	4.544	-0.001	89	74366	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.731	5.743	-0.012	90	235041	0.2500	0.2500	M
	6 Naphthalene	128	5.756	5.756	0.000	92	230985	0.2500	0.2446	M
	8 2-Methylnaphthalene	142	6.411	6.411	0.000	95	146515	0.2500	0.2123	
$	9 1-Methylnaphthalene-d10	152	6.470	6.470	0.000	96	120782	0.2500	0.2479	
	10 1-Methylnaphthalene	142	6.500	6.500	0.000	99	139664	0.2500	0.2273	
	11 Dimethyl phthalate	163	7.140	7.140	-0.010	75	158244	0.2500	0.2448	
	12 Acenaphthylene	152	7.258	7.258	0.000	100	215770	0.2500	0.2362	
*	13 Acenaphthene-d10	164	7.396	7.396	0.000	89	131977	0.2500	0.2500	
	14 Acenaphthene	154	7.426	7.425	0.000	89	148088	0.2500	0.2524	
	15 Dibenzofuran	168	7.593	7.593	0.000	83	227073	0.2500	0.2343	
	16 Diethyl phthalate	149	7.810	7.810	-0.008	100	139120	0.2500	0.2484	
	17 Fluorene	166	7.912	7.912	-0.008	98	166850	0.2500	0.2313	
	19 Hexachlorobenzene	284	8.435	8.435	-0.008	91	59081	0.2500	0.2186	
*	20 Phenanthrene-d10	188	8.802	8.809	-0.007	95	238341	0.2500	0.2500	
	21 Phenanthrene	178	8.825	8.825	0.000	100	247133	0.2500	0.2480	
	22 Anthracene	178	8.872	8.872	-0.008	100	240487	0.2500	0.2562	
	23 Di-n-butyl phthalate	149	9.372	9.372	-0.006	100	274412	0.2500	0.3438	
$	24 Fluoranthene-d10 (Surr)	212	9.936	9.936	-0.006	99	217462	0.2500	0.2376	
	25 Fluoranthene	202	9.948	9.955	-0.013	100	266818	0.2500	0.2327	
	26 Pyrene	202	10.168	10.168	-0.006	98	271693	0.2500	0.2362	
	27 Butyl benzyl phthalate	149	10.837	10.845	-0.008	100	71228	0.2500	0.2349	
	28 Benzo[a]anthracene	228	11.435	11.435	-0.008	100	227038	0.2500	0.2461	
*	29 Chrysene-d12	240	11.443	11.451	-0.008	79	190703	0.2500	0.2500	
	30 Chrysene	228	11.474	11.474	-0.008	100	226744	0.2500	0.2204	
	31 Bis(2-ethylhexyl) phthalate	149	11.520	11.527	-0.008	100	76735	0.2500	0.1897	
	32 Di-n-octyl phthalate	149	12.379	12.379	-0.008	100	117496	0.2500	0.1637	
	33 Benzo[b]fluoranthene	252	12.831	12.831	-0.008	100	234958	0.2500	0.2141	

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	12.869	-0.007	100	272572	0.2500	0.2493	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.253	13.253	-0.008	100	179552	0.2500	0.2370	
37 Benzo[a]pyrene	252	13.284	13.291	-0.008	100	236330	0.2500	0.2414	
* 38 Perylene-d12	264	13.368	13.376	-0.008	100	230380	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.958	14.958	-0.008	99	217107	0.2500	0.2154	M
41 Dibenz(a,h)anthracene	278	15.008	15.008	-0.014	96	228436	0.2500	0.2025	
42 Benzo[g,h,i]perylene	276	15.403	15.403	-0.007	96	241663	0.2500	0.1979	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00033 Amount Added: 10.00 Units: uL Run Reagent

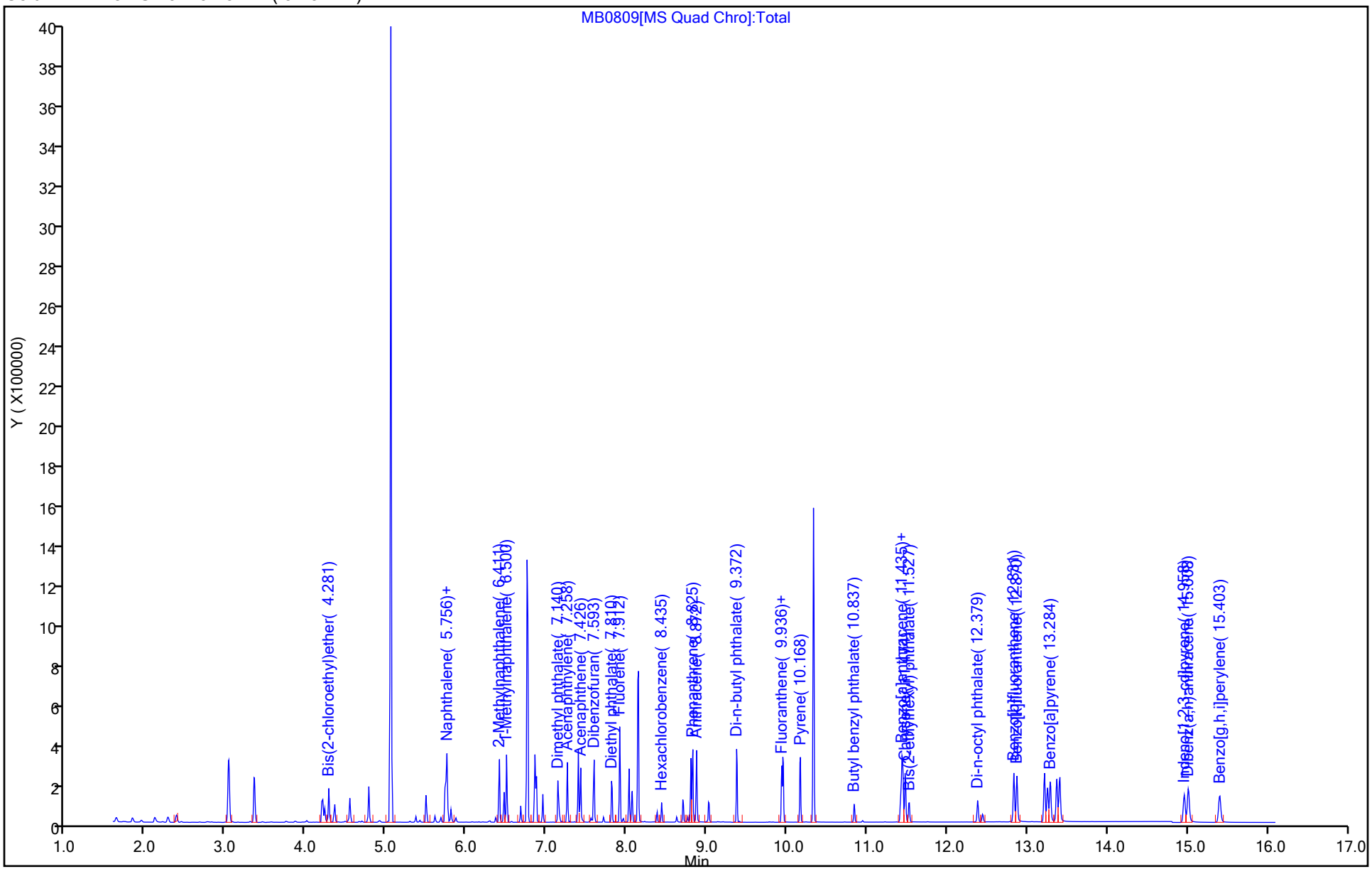
Report Date: 24-Feb-2023 20:29:02 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0809.D

Injection Date:	24-Feb-2023 07:04:56	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-115936-D-1-A MSD			Worklist Smp#:	10
Client ID:	FBS010-MSD_022023				
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\20230224-77710.b\MB0809.D				
Lims ID:	410-115936-D-1-A MSD				
Client ID:	FBS010-MSD_022023				
Sample Type:	MSD				
Inject. Date:	24-Feb-2023 07:04:56	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-115936-D-1-A MSD				
Misc. Info.:	410-0077710-010				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-Feb-2023 20:28:40	Calib Date:	26-Jan-2023 09:46:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230126-75813.b\MA0406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: SJ89 Date: 24-Feb-2023 18:13:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.2479	99.17
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2376	95.05
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2370	94.78

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

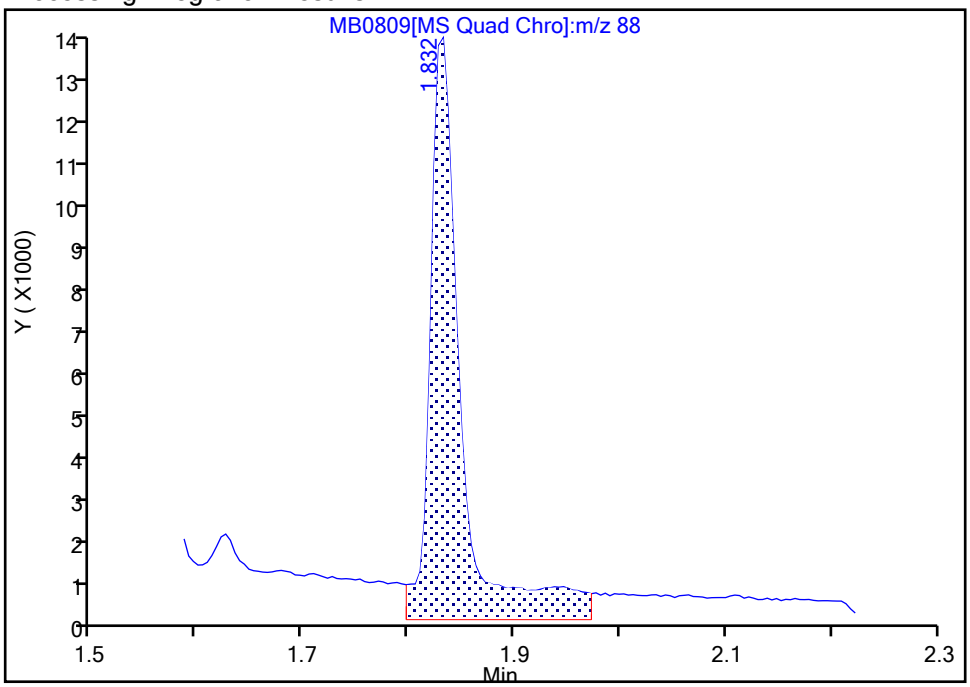
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0809.D				
Injection Date:	24-Feb-2023 07:04:56	Instrument ID:	HP21585		
Lims ID:	410-115936-D-1-A MSD				
Client ID:	FBS010-MSD_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

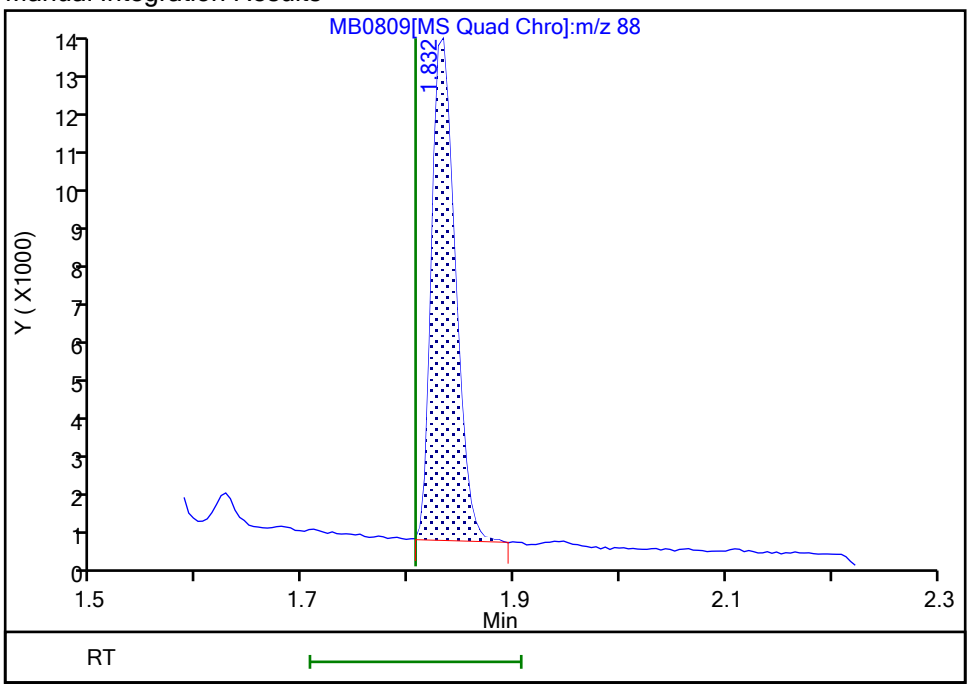
Processing Integration Results

RT: 1.83
Area: 27607
Amount: 0.215466
Amount Units: ug/ml



Manual Integration Results

RT: 1.83
Area: 19757
Amount: 0.154199
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:12:44

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

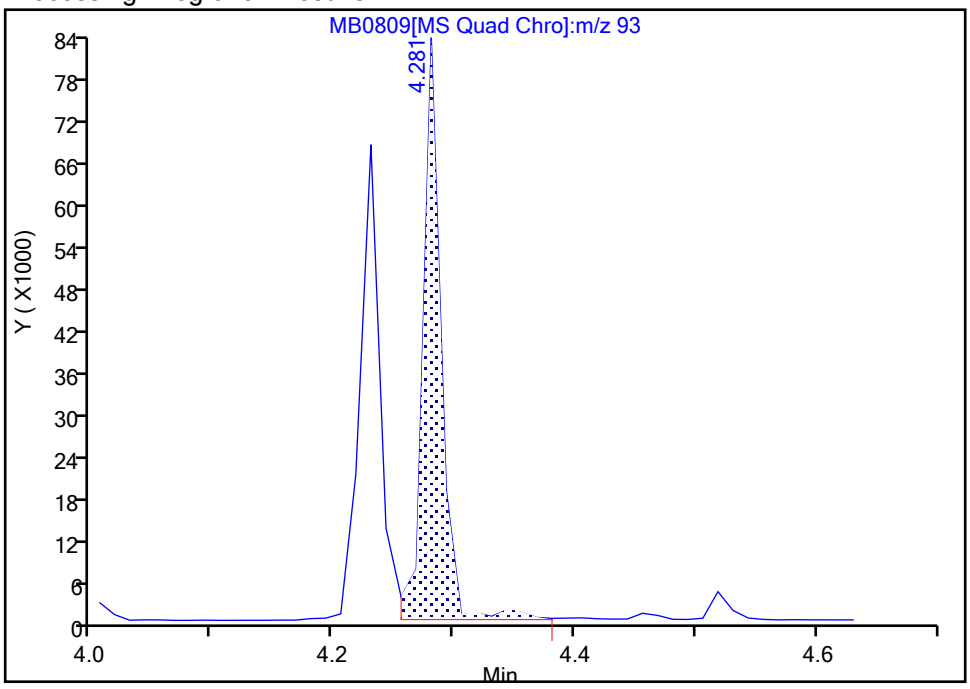
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0809.D				
Injection Date:	24-Feb-2023 07:04:56	Instrument ID:	HP21585		
Lims ID:	410-115936-D-1-A MSD				
Client ID:	FBS010-MSD_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

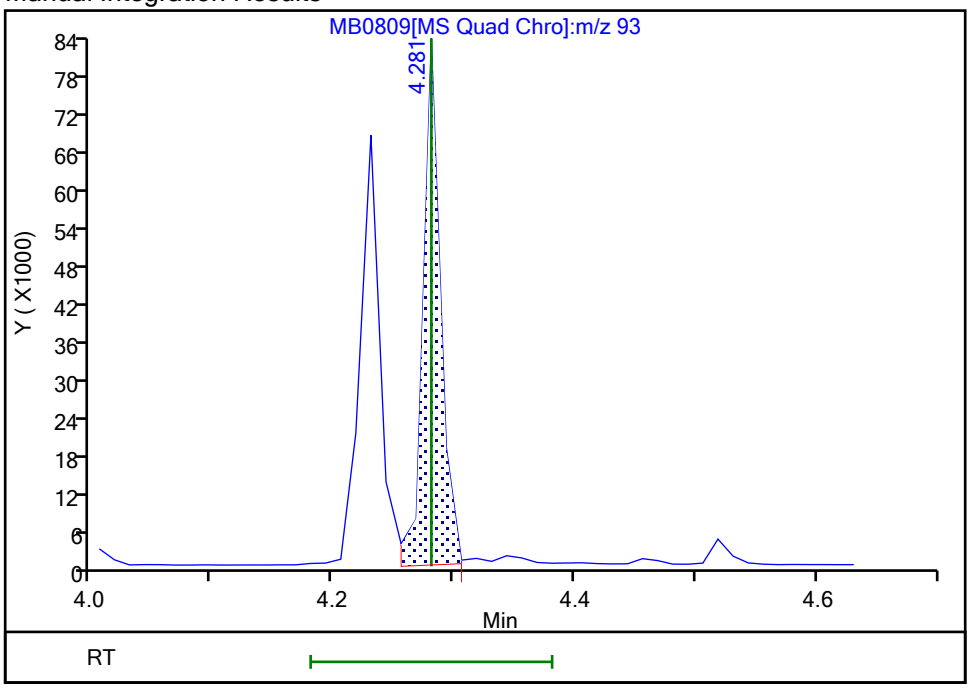
Processing Integration Results

RT: 4.28
Area: 86754
Amount: 0.341390
Amount Units: ug/ml



Manual Integration Results

RT: 4.28
Area: 82955
Amount: 0.326441
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:12:54

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

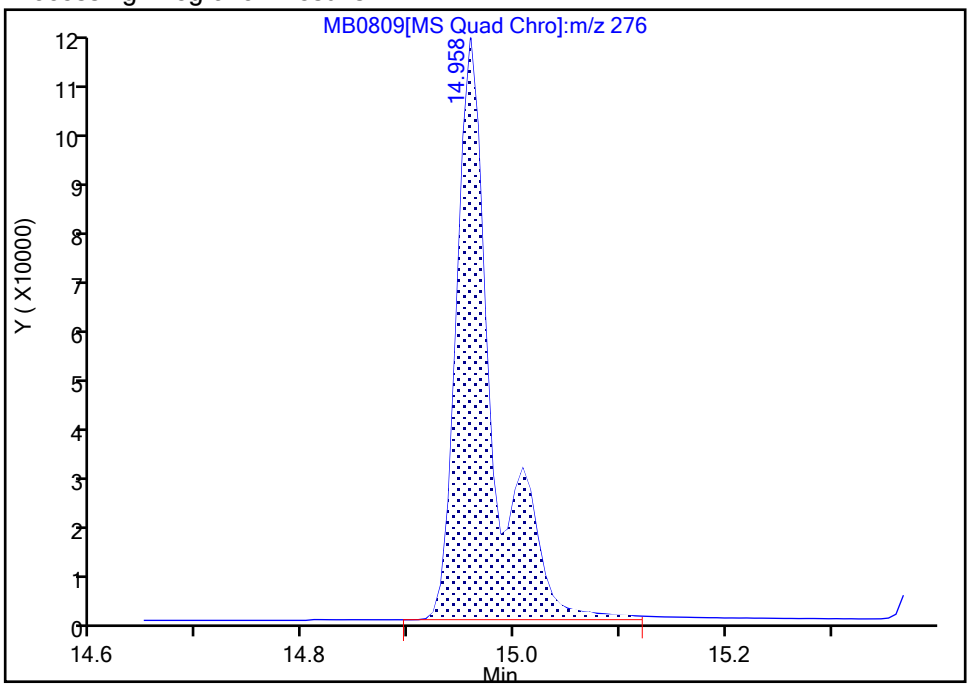
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0809.D				
Injection Date:	24-Feb-2023 07:04:56	Instrument ID:	HP21585		
Lims ID:	410-115936-D-1-A MSD				
Client ID:	FBS010-MSD_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

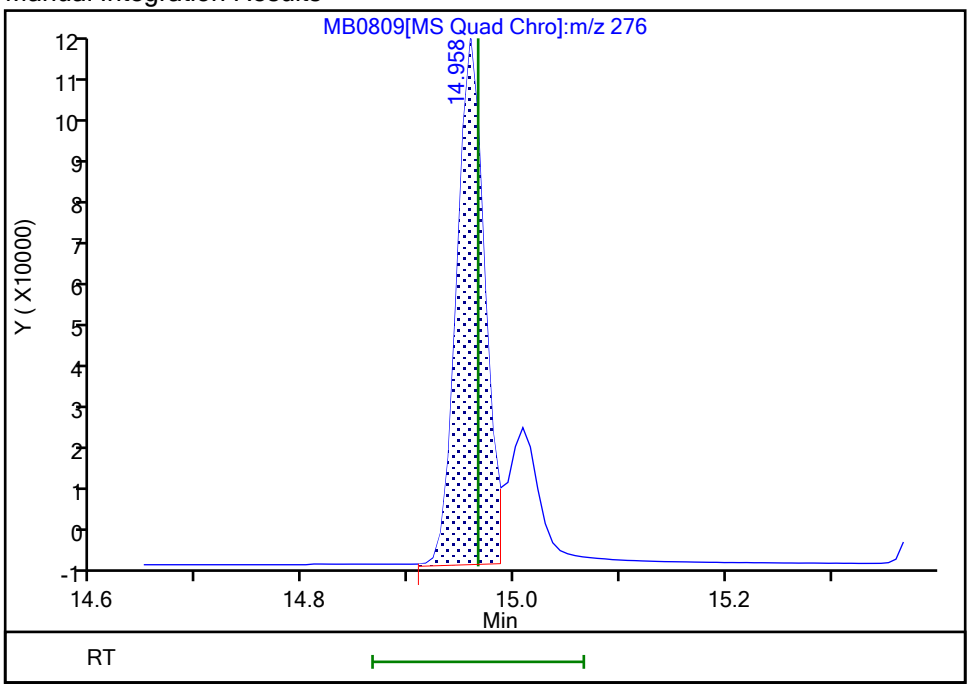
Processing Integration Results

RT: 14.96
Area: 285584
Amount: 0.283380
Amount Units: ug/ml



Manual Integration Results

RT: 14.96
Area: 217107
Amount: 0.215431
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:13:48

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

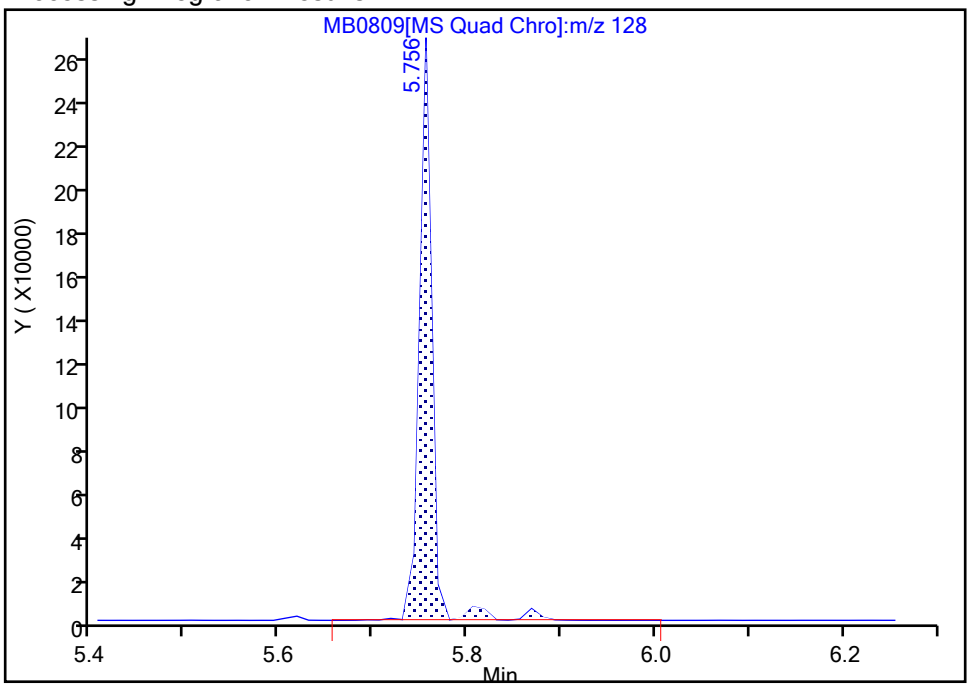
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0809.D				
Injection Date:	24-Feb-2023 07:04:56	Instrument ID:	HP21585		
Lims ID:	410-115936-D-1-A MSD				
Client ID:	FBS010-MSD_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Naphthalene, CAS: 91-20-3

Signal: 1

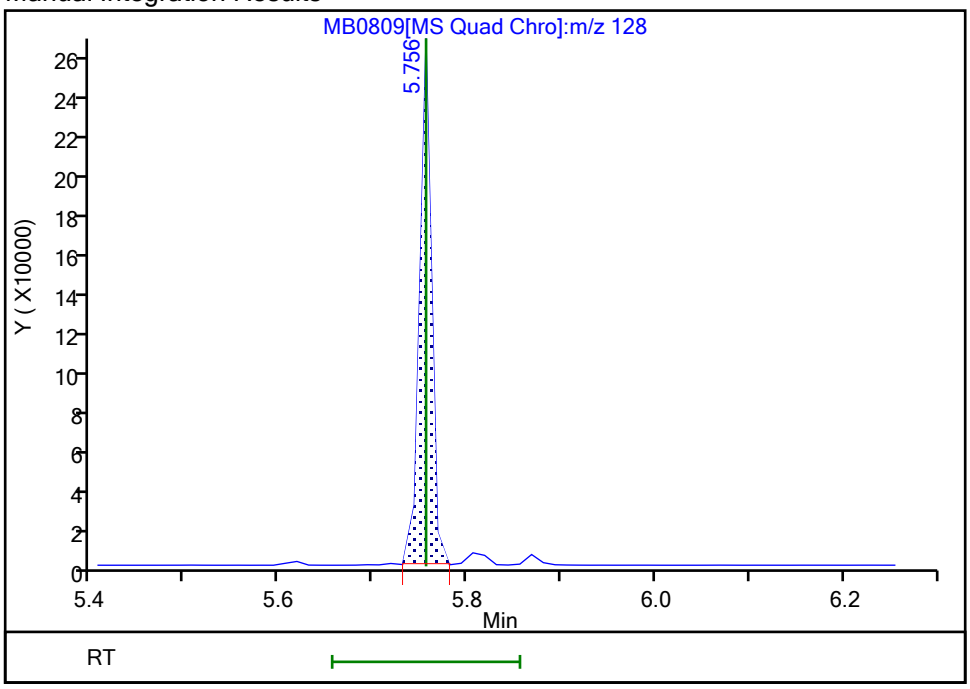
Processing Integration Results

RT: 5.76
Area: 248165
Amount: 0.263869
Amount Units: ug/ml



Manual Integration Results

RT: 5.76
Area: 230985
Amount: 0.244588
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:13:10

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

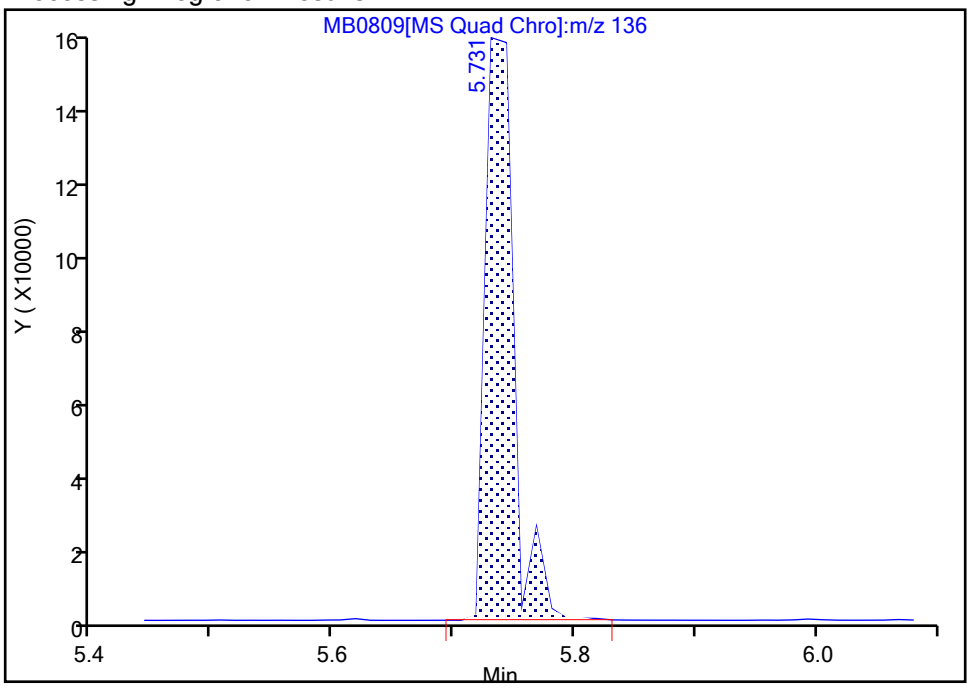
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230224-77710.b\MB0809.D				
Injection Date:	24-Feb-2023 07:04:56	Instrument ID:	HP21585		
Lims ID:	410-115936-D-1-A MSD				
Client ID:	FBS010-MSD_022023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

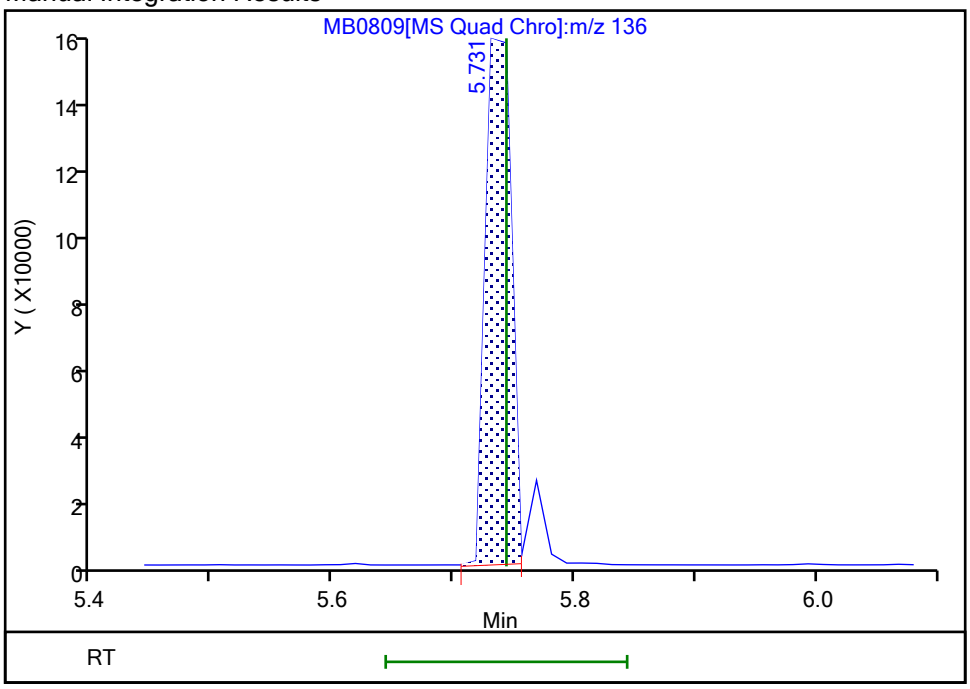
Processing Integration Results

RT: 5.73
Area: 258226
Amount: 0.250000
Amount Units: ug/ml



Manual Integration Results

RT: 5.73
Area: 235041
Amount: 0.250000
Amount Units: ug/ml



Reviewer: SJ89, 24-Feb-2023 18:12:34

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.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MSD_022023 MSD RE
Lab Sample ID: 410-115936-1 MSD RE

Matrix: Water
Lab File ID: NB0757.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 248.4(mL)
Date Analyzed: 02/28/2023 06:06

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.: 348434
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	*1,4-Dioxane*	*0.423*		*0.30*	*0.10*
90-12-0	*1-Methylnaphthalene*	*0.758*		*0.050*	*0.020*
91-57-6	*2-Methylnaphthalene*	*0.699*		*0.050*	*0.020*
83-32-9	*Acenaphthene*	*0.925*		*0.050*	*0.010*
208-96-8	*Acenaphthylene*	*0.889*		*0.050*	*0.010*
120-12-7	*Anthracene*	*0.973*		*0.050*	*0.010*
56-55-3	*Benzo[a]anthracene*	*0.919*		*0.050*	*0.010*
50-32-8	*Benzo[a]pyrene*	*0.996*		*0.050*	*0.010*
205-99-2	*Benzo[b]fluoranthene*	*0.893*		*0.050*	*0.010*
191-24-2	*Benzo[g,h,i]perylene*	*0.864*		*0.050*	*0.010*
207-08-9	*Benzo[k]fluoranthene*	*1.11*		*0.050*	*0.010*
111-44-4	*Bis(2-chloroethyl)ether*	*0.928*		*0.050*	*0.020*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*2.52*		*1.0*	*0.050*
85-68-7	*Butylbenzylphthalate*	*0.790*	*J*	*1.0*	*0.050*
218-01-9	*Chrysene*	*0.930*		*0.050*	*0.010*
53-70-3	*Dibenz(a,h)anthracene*	*0.895*		*0.050*	*0.020*
132-64-9	*Dibenzofuran*	*0.855*		*0.050*	*0.010*
84-66-2	*Diethylphthalate*	*1.10*		*1.0*	*0.050*
131-11-3	*Dimethylphthalate*	*0.948*	*J*	*1.0*	*0.050*
84-74-2	*Di-n-butyl phthalate*	*1.93*		*1.0*	*0.050*
117-84-0	*Di-n-octyl phthalate*	*0.920*	*J*	*1.0*	*0.050*
206-44-0	*Fluoranthene*	*0.920*		*0.050*	*0.010*
86-73-7	*Fluorene*	*0.897*		*0.050*	*0.010*
118-74-1	*Hexachlorobenzene*	*0.890*		*0.050*	*0.020*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*0.855*		*0.050*	*0.020*
91-20-3	*Naphthalene*	*0.806*		*0.070*	*0.030*
62-75-9	*N-Nitrosodimethylamine*	*0.718*		*0.050*	*0.020*
85-01-8	*Phenanthrene*	*1.02*		*0.070*	*0.030*
129-00-0	*Pyrene*	*0.942*		*0.050*	*0.010*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-115936-1

SDG No.:

Client Sample ID: FBS010-MSD_022023 MSD RE
Lab Sample ID: 410-115936-1 MSD RE

Matrix: Water
Lab File ID: NB0757.D

Analysis Method: 8270D SIM
Date Collected: 02/16/2023 11:11

Extract. Method: 3510C
Date Extracted: 02/27/2023 16:02

Sample wt/vol: 248.4(mL)
Date Analyzed: 02/28/2023 06:06

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.: 348434
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	75		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	96		10-110
93951-69-0	Fluoranthene-d10 (Surr)	93		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0757.D
Lims ID: 410-115936-F-1-A MSD RE
Client ID: FBS010-MSD_022023
Sample Type: MSD
Inject. Date: 28-Feb-2023 06:06:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-F-1-A MSD
Misc. Info.: 410-0077901-008
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 28-Feb-2023 15:57:44 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: UJM0 Date: 28-Feb-2023 06:29:41

	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	1.749	1.736	0.013	89	8868	0.2500	0.1051	M
	2 N-Nitrosodimethylamine	74	2.068	2.041	0.021	79	17275	0.2500	0.1784	
	3 Bis(2-chloroethyl)ether	93	4.319	4.310	0.000	95	45400	0.2500	0.2305	
*	4 1,4-Dichlorobenzene-d4	152	4.581	4.582	-0.001	98	38030	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.769	5.781	-0.012	99	133756	0.2500	0.2500	
	6 Naphthalene	128	5.794	5.781	0.000	100	102293	0.2500	0.2003	
	8 2-Methylnaphthalene	142	6.449	6.433	0.002	98	60908	0.2500	0.1737	
$	9 1-Methylnaphthalene-d10	152	6.509	6.493	0.002	99	43826	0.2500	0.1883	
	10 1-Methylnaphthalene	142	6.539	6.522	0.002	98	56332	0.2500	0.1884	
	11 Dimethyl phthalate	163	7.180	7.170	0.002	99	52790	0.2500	0.2355	
	12 Acenaphthylene	152	7.300	7.290	0.002	96	86065	0.2500	0.2208	
*	13 Acenaphthene-d10	164	7.430	7.438	-0.008	86	51916	0.2500	0.2500	
	14 Acenaphthene	154	7.461	7.461	-0.007	98	52900	0.2500	0.2297	
	15 Dibenzofuran	168	7.625	7.625	-0.007	98	76483	0.2500	0.2125	
	16 Diethyl phthalate	149	7.849	7.842	0.000	98	58558	0.2500	0.2725	
	17 Fluorene	166	7.949	7.949	-0.008	96	57909	0.2500	0.2229	
	19 Hexachlorobenzene	284	8.466	8.467	-0.008	100	17265	0.2500	0.2210	
*	20 Phenanthrene-d10	188	8.845	8.845	0.000	100	73123	0.2500	0.2500	
	21 Phenanthrene	178	8.860	8.860	-0.008	100	76824	0.2500	0.2530	
	22 Anthracene	178	8.914	8.907	0.000	100	71643	0.2500	0.2417	
	23 Di-n-butyl phthalate	149	9.408	9.401	-0.001	100	136389	0.2500	0.4795	
$	24 Fluoranthene-d10 (Surr)	212	9.972	9.971	-0.007	99	54822	0.2500	0.2320	
	25 Fluoranthene	202	9.990	9.991	-0.002	99	67348	0.2500	0.2284	
	26 Pyrene	202	10.210	10.203	-0.001	97	69723	0.2500	0.2340	
	27 Butyl benzyl phthalate	149	10.889	10.881	-0.001	100	17930	0.2500	0.1963	
	28 Benzo[a]anthracene	228	11.502	11.494	-0.001	98	50394	0.2500	0.2283	
*	29 Chrysene-d12	240	11.510	11.519	-0.009	95	43516	0.2500	0.2500	
	30 Chrysene	228	11.540	11.540	-0.009	100	51364	0.2500	0.2311	
	31 Bis(2-ethylhexyl) phthalate	149	11.571	11.571	-0.009	98	70279	0.2500	0.6264	
	32 Di-n-octyl phthalate	149	12.461	12.454	-0.001	97	39018	0.2500	0.2286	M
	33 Benzo[b]fluoranthene	252	12.936	12.929	-0.002	100	40761	0.2500	0.2219	

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	12.975	12.967	-0.001	100	56395	0.2500	0.2756	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.366	13.366	-0.009	100	31146	0.2500	0.2390	
37 Benzo[a]pyrene	252	13.404	13.397	-0.002	100	42448	0.2500	0.2475	
* 38 Perylene-d12	264	13.489	13.490	-0.001	96	38840	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.143	15.133	0.000	97	27615	0.2500	0.2124	
41 Dibenz(a,h)anthracene	278	15.199	15.190	-0.001	97	30762	0.2500	0.2222	
42 Benzo[g,h,i]perylene	276	15.609	15.606	-0.008	99	35749	0.2500	0.2146	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00032 Amount Added: 10.00 Units: uL Run Reagent

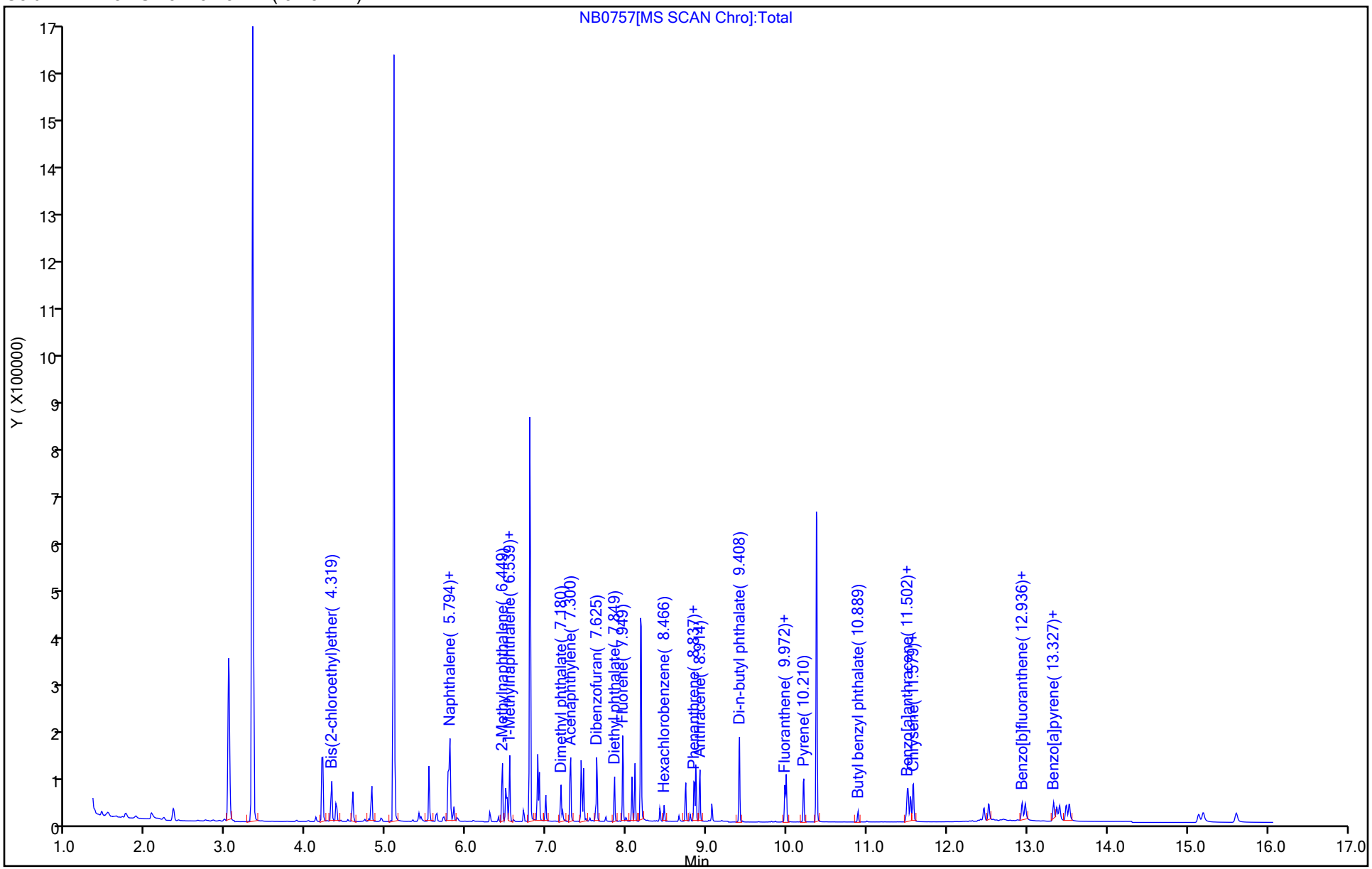
Report Date: 28-Feb-2023 15:58:00 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0757.D

Injection Date:	28-Feb-2023 06:06:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-115936-F-1-A MSD RE			Worklist Smp#:	8
Client ID:	FBS010-MSD_022023				
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\20230228-77901.b\NB0757.D
Lims ID: 410-115936-F-1-A MSD RE
Client ID: FBS010-MSD_022023
Sample Type: MSD
Inject. Date: 28-Feb-2023 06:06:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-115936-F-1-A MSD
Misc. Info.: 410-0077901-008
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 28-Feb-2023 15:57:44 Calib Date: 22-Feb-2023 01:02:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: UJM0 Date: 28-Feb-2023 06:29:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1883	75.31
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2320	92.79
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2390	95.61

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

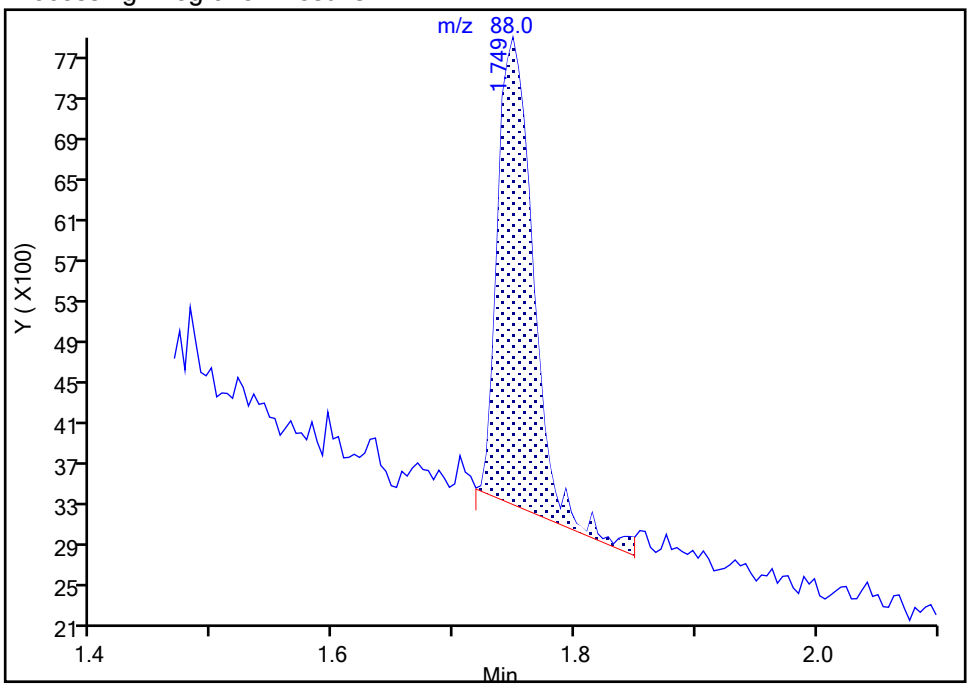
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0757.D				
Injection Date:	28-Feb-2023 06:06:30	Instrument ID:	HP23263		
Lims ID:	410-115936-F-1-A MSD RE				
Client ID:	FBS010-MSD_022023				
Operator ID:	jmg00346	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

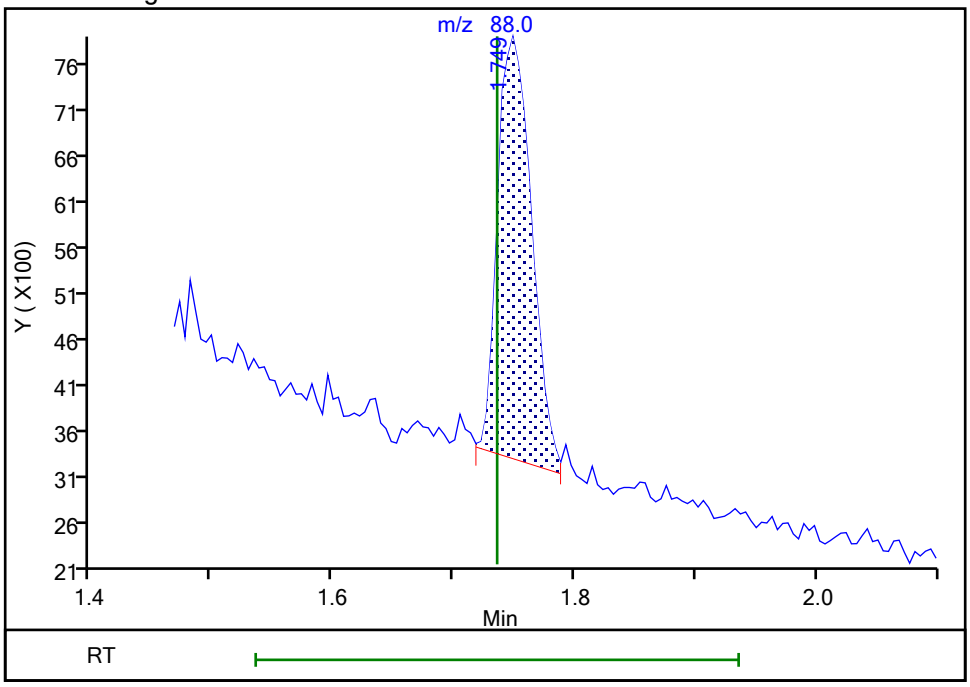
Processing Integration Results

RT: 1.75
Area: 9253
Amount: 0.109677
Amount Units: ug/ml



Manual Integration Results

RT: 1.75
Area: 8868
Amount: 0.105114
Amount Units: ug/ml



Reviewer: UJM0, 28-Feb-2023 06:29:03
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

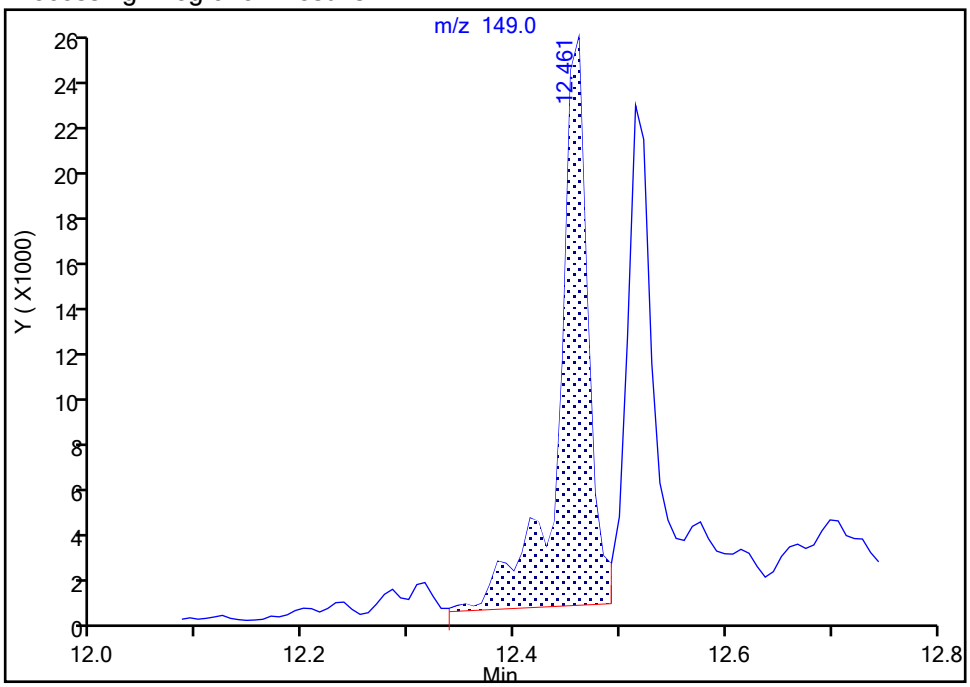
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230228-77901.b\NB0757.D				
Injection Date:	28-Feb-2023 06:06:30	Instrument ID:	HP23263		
Lims ID:	410-115936-F-1-A MSD RE				
Client ID:	FBS010-MSD_022023				
Operator ID:	jmg00346	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

32 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 1

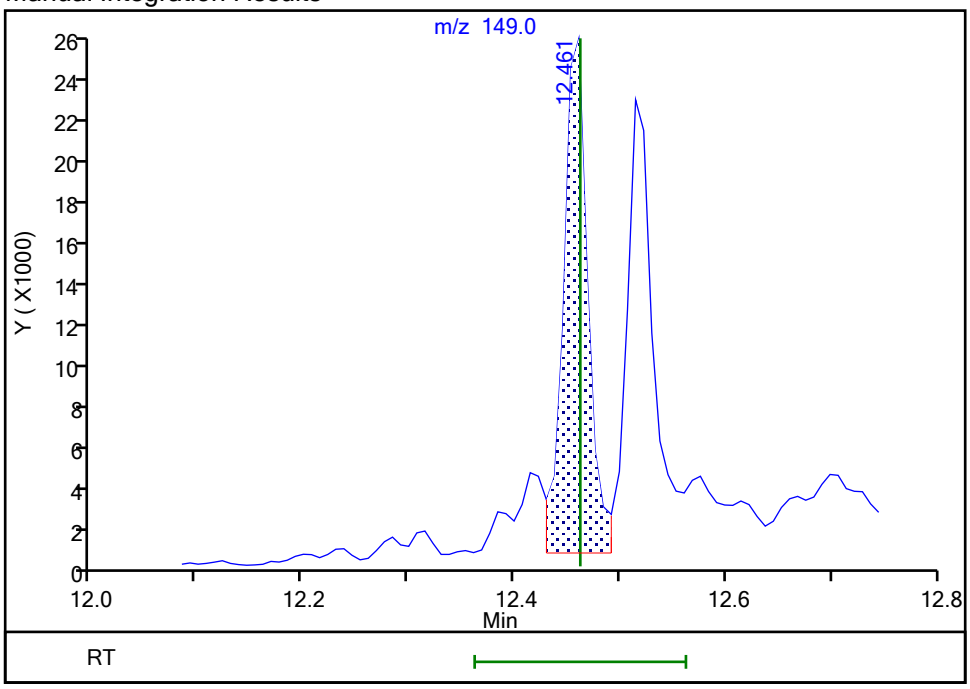
Processing Integration Results

RT: 12.46
Area: 47268
Amount: 0.276938
Amount Units: ug/ml



Manual Integration Results

RT: 12.46
Area: 39018
Amount: 0.228602
Amount Units: ug/ml



Reviewer: UJM0, 28-Feb-2023 06:29:30

Audit Action: Manually Integrated Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Instrument ID: HP21585 Start Date: 01/26/2023 07:08

Analysis Batch Number: 338781 End Date: 01/26/2023 10:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-338781/1		01/26/2023 07:08	1	MA0400.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-338781/2		01/26/2023 07:56	1	MA0401a.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-338781/3		01/26/2023 08:20	1	MA0402.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-338781/4		01/26/2023 08:41	1	MA0403.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-338781/5		01/26/2023 09:03	1	MA0404.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-338781/6		01/26/2023 09:24	1	MA0405.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-338781/7		01/26/2023 09:46	1	MA0406.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-338781/8		01/26/2023 10:07	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-338781/9		01/26/2023 10:29	1	MA0408.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Instrument ID: HP21585 Start Date: 01/31/2023 06:02

Analysis Batch Number: 339982 End Date: 01/31/2023 15:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-339982/1		01/31/2023 06:02	1	MA0600.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-339982/2		01/31/2023 06:15	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-339982/3		01/31/2023 07:23	1	MA0602a.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 07:51	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 08:13	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 08:34	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 10:00	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 10:21	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 10:43	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 11:04	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 11:25	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 11:47	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 12:08	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 12:30	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 12:51	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 13:12	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 13:34	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 13:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 14:17	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 14:38	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 14:59	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 15:21	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/31/2023 15:42	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Instrument ID: HP23263 Start Date: 02/21/2023 22:31

Analysis Batch Number: 346701 End Date: 02/22/2023 02:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-346701/1		02/21/2023 22:31	1	NB0450a.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-346701/2		02/21/2023 22:48	1	NB0451a.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-346701/3		02/21/2023 23:35	1	NB0452.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-346701/4		02/21/2023 23:57	1	NB0453.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-346701/5		02/22/2023 00:19	1	NB0454.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-346701/6		02/22/2023 00:40	1	NB0455.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-346701/7		02/22/2023 01:02	1	NB0456.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-346701/8		02/22/2023 01:24	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-346701/9		02/22/2023 01:46	1	NB0458.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-346701/10		02/22/2023 02:08	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Instrument ID: HP21585 Start Date: 02/24/2023 03:39

Analysis Batch Number: 347593 End Date: 02/24/2023 13:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-347593/1		02/24/2023 03:39	1	MB0800.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-347593/2		02/24/2023 04:03	1	MB0801.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 04:36	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 04:57	1		DB-5MS 30m 0.25 0.25(mm)
MB 410-347487/1-A		02/24/2023 05:18	1	MB0804.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-347487/2-A		02/24/2023 05:39	1	MB0805.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-347487/3-A		02/24/2023 06:01	1	MB0806.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-1	FBS010_022023	02/24/2023 06:22	1	MB0807.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-1 MS	FBS010-MS_022023 MS	02/24/2023 06:43	1	MB0808.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-1 MSD	FBS010-MSD_022023 MSD	02/24/2023 07:04	1	MB0809.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-2	Dup-01_022023	02/24/2023 07:26	1	MB0810.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-3	FBW001_022023	02/24/2023 07:47	1	MB0811.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-4	FB-01_022023	02/24/2023 08:08	1	MB0812.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 08:29	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 08:50	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 09:12	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 09:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 09:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 10:15	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 10:37	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 10:58	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 11:19	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 11:40	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 12:02	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 12:23	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 12:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 13:05	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/24/2023 13:27	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-115936-1

SDG No.:

Instrument ID: HP23263 Start Date: 02/28/2023 03:31

Analysis Batch Number: 348434 End Date: 02/28/2023 15:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-348434/1		02/28/2023 03:31	1	NB0750.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-348434/2		02/28/2023 03:46	1	NB0751.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-348351/1-A		02/28/2023 04:17	1	NB0752.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-348351/2-A		02/28/2023 04:39	1	NB0753.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-348351/3-A		02/28/2023 05:01	1	NB0754.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-1 RE	FBS010_022023 RE	02/28/2023 05:22	1	NB0755.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-1 MS RE	FBS010-MS_022023 MS RE	02/28/2023 05:44	1	NB0756.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-1 MSD RE	FBS010-MSD_022023 MSD RE	02/28/2023 06:06	1	NB0757.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 06:28	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 06:50	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 07:11	1		DB-5MS 30m 0.25 0.25(mm)
410-115936-2 RE	Dup-01_022023 RE	02/28/2023 07:33	1	NB0761.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-3 RE	FBW001_022023 RE	02/28/2023 07:55	1	NB0762.D	DB-5MS 30m 0.25 0.25(mm)
410-115936-4 RE	FB-01_022023 RE	02/28/2023 08:17	1	NB0763.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 08:39	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 09:01	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 09:22	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 09:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 10:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 10:28	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 10:50	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 11:11	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 11:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 11:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 12:17	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 12:38	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 13:00	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 13:22	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 13:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		02/28/2023 15:23	5		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-115936-1

SDG No.:

Batch Number: 338781 Batch Start Date: 01/26/23 07:08 Batch Analyst: Gambler, Joseph M

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	MSS_RVDFTPP 00012	MSS_RVSIM_1 00020	MSS_RVSIM_2 00020	MSS_RVSIM_3 00020	MSS_RVSIM_4 00027
DFTPP 410-338781/1		8270D SIM		1 mL	1 mL				
ICIS 410-338781/2		8270D SIM		1 mL					1 mL
IC 410-338781/3		8270D SIM		1 mL					
IC 410-338781/4		8270D SIM		1 mL					
IC 410-338781/5		8270D SIM		1 mL				1 mL	
IC 410-338781/6		8270D SIM		1 mL			1 mL		
IC 410-338781/7		8270D SIM		1 mL		1 mL			
ICV 410-338781/9		8270D SIM		1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVSIM_5 00020	MSS_RVSIM_6 00017	MSS_RVSIM_ICV 00036			
DFTPP 410-338781/1		8270D SIM							
ICIS 410-338781/2		8270D SIM							
IC 410-338781/3		8270D SIM			1 mL				
IC 410-338781/4		8270D SIM		1 mL					
IC 410-338781/5		8270D SIM							
IC 410-338781/6		8270D SIM							
IC 410-338781/7		8270D SIM							
ICV 410-338781/9		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 Laboratories Job No.: 410-115936-1

SDG No.:

Batch Number: 339982 Batch Start Date: 01/31/23 06:02 Batch Analyst: Gambler, Joseph M

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	MSS_RVDFTPP 00012	MSS_RVSIM_ICV 00037			
DFTPP 410-339982/1		8270D SIM		1 mL	1 mL				
ICV 410-339982/3		8270D SIM		1 mL		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 Laboratories Job No.: 410-115936-1

SDG No.:

Batch Number: 346701 Batch Start Date: 02/21/23 22:31 Batch Analyst: Gambler, Joseph M

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	MSS_RVDFTPP 00012	MSS_RVSIM_1 00020	MSS_RVSIM_2 00020	MSS_RVSIM_3 00020	MSS_RVSIM_4 00027
DFTPP 410-346701/1		8270D SIM		1 mL	1 mL				
ICIS 410-346701/2		8270D SIM		1 mL					1 mL
IC 410-346701/3		8270D SIM		1 mL					
IC 410-346701/4		8270D SIM		1 mL					
IC 410-346701/5		8270D SIM		1 mL				1 mL	
IC 410-346701/6		8270D SIM		1 mL			1 mL		
IC 410-346701/7		8270D SIM		1 mL		1 mL			
ICV 410-346701/9		8270D SIM		1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVSIM_5 00020	MSS_RVSIM_6 00017	MSS_RVSIM_ICV 00037			
DFTPP 410-346701/1		8270D SIM							
ICIS 410-346701/2		8270D SIM							
IC 410-346701/3		8270D SIM			1 mL				
IC 410-346701/4		8270D SIM		1 mL					
IC 410-346701/5		8270D SIM							
IC 410-346701/6		8270D SIM							
IC 410-346701/7		8270D SIM							
ICV 410-346701/9		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 Laboratories | Job No.: 410-115936-1

SDG No.:

Batch Number: 347487 | Batch Start Date: 02/23/23 16:24 | Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C | Batch End Date: 02/23/23 21:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 410-347487/1		3510C, 8270D SIM				250 mL	1 mL	N/A SU	11 SU
LCS 410-347487/2		3510C, 8270D SIM				250 mL	1 mL	N/A SU	11 SU
LCSD 410-347487/3		3510C, 8270D SIM				250 mL	1 mL	N/A SU	11 SU
410-115936-E-1 MS	FBS010-MS_022023	3510C, 8270D SIM	T	414.88 g	168.50 g	246.4 mL	1 mL	N/A SU	11 SU
410-115936-D-1 MSD	FBS010-MSD_022023	3510C, 8270D SIM	T	416.56 g	168.13 g	248.4 mL	1 mL	N/A SU	11 SU
410-115936-B-1	FBS010_022023	3510C, 8270D SIM	T	417.88 g	168.74 g	249.1 mL	1 mL	N/A SU	11 SU
410-115936-D-2	Dup-01_022023	3510C, 8270D SIM	T	415.07 g	167.12 g	248 mL	1 mL	N/A SU	11 SU
410-115936-D-3	FBW001_022023	3510C, 8270D SIM	T	412.86 g	166.75 g	246.1 mL	1 mL	N/A SU	11 SU
410-115936-D-4	FB-01_022023	3510C, 8270D SIM	T	415.45 g	168.44 g	247 mL	1 mL	N/A SU	11 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	OP_MINIBNA_SS 00080	OP_SIMLCS_MS 00086	AnalysisComment		
MB 410-347487/1		3510C, 8270D SIM		2 SU	1 mL		Tap water		
LCS 410-347487/2		3510C, 8270D SIM		2 SU	1 mL	0.25 mL	Tap water		
LCSD 410-347487/3		3510C, 8270D SIM		2 SU	1 mL	0.25 mL	Tap water		
410-115936-E-1 MS	FBS010-MS_022023	3510C, 8270D SIM	T	2 SU	1 mL	0.25 mL	Clear		
410-115936-D-1 MSD	FBS010-MSD_022023	3510C, 8270D SIM	T	2 SU	1 mL	0.25 mL	Clear		
410-115936-B-1	FBS010_022023	3510C, 8270D SIM	T	2 SU	1 mL		Clear		
410-115936-D-2	Dup-01_022023	3510C, 8270D SIM	T	2 SU	1 mL		Clear		
410-115936-D-3	FBW001_022023	3510C, 8270D SIM	T	2 SU	1 mL		Clear		
410-115936-D-4	FB-01_022023	3510C, 8270D SIM	T	2 SU	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 Laboratories | Job No.: 410-115936-1

SDG No.:

Batch Number: 347487 | Batch Start Date: 02/23/23 16:24 | Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C | Batch End Date: 02/23/23 21:02

Batch Notes	
Method/Fraction	625_Prep_LVI
Balance ID	93158
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	OS11067 DBH82588 AS86224 SF90133
Analyst ID - Spike Analyst	OS11067
Acid Used for pH Adjustment ID	H2So4:224621
Base Used to Adjust pH ID	NaOH:4202B64
Prep Solvent ID	MeCl2:226057
Prep Solvent Volume Used	90
Na2SO4 ID	23051A
Analyst ID - Concentration	OS11067 DBH82588 AS86224 SF90133
Equipment ID - Concentration 1	BUCHI #1,2
Concentration 1 Corrected Temperature	55 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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-115936-1

SDG No.:

Batch Number: 348351 | Batch Start Date: 02/27/23 16:02 | Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C | Batch End Date: 02/27/23 21:12

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH
MB 410-348351/1		3510C, 8270D SIM				250 mL	1 mL	11 SU	2 SU
LCS 410-348351/2		3510C, 8270D SIM				250 mL	1 mL	11 SU	2 SU
LCSD 410-348351/3		3510C, 8270D SIM				250 mL	1 mL	11 SU	2 SU
410-115936-G-1 MS	FBS010-MS_022023	3510C, 8270D SIM	T	413.17 g	166.49 g	246.7 mL	1 mL	11 SU	2 SU
410-115936-F-1 MSD	FBS010-MSD_022023	3510C, 8270D SIM	T	416.18 g	167.78 g	248.4 mL	1 mL	11 SU	2 SU
410-115936-C-1	FBS010_022023	3510C, 8270D SIM	T	415.29 g	168.06 g	247.2 mL	1 mL	11 SU	2 SU
410-115936-E-2	Dup-01_022023	3510C, 8270D SIM	T	414.71 g	166.76 g	248 mL	1 mL	11 SU	2 SU
410-115936-E-3	FBW001_022023	3510C, 8270D SIM	T	406.48 g	167.93 g	238.6 mL	1 mL	11 SU	2 SU
410-115936-E-4	FB-01_022023	3510C, 8270D SIM	T	414.14 g	166.40 g	247.7 mL	1 mL	11 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_MINIBNA_SS 00080	OP_SIMLCS_MS 00086	AnalysisComment			
MB 410-348351/1		3510C, 8270D SIM		1 mL		tap h20			
LCS 410-348351/2		3510C, 8270D SIM		1 mL	0.25 mL	tap h20			
LCSD 410-348351/3		3510C, 8270D SIM		1 mL	0.25 mL	tap h20			
410-115936-G-1 MS	FBS010-MS_022023	3510C, 8270D SIM	T	1 mL	0.25 mL	clear			
410-115936-F-1 MSD	FBS010-MSD_022023	3510C, 8270D SIM	T	1 mL	0.25 mL	clear			
410-115936-C-1	FBS010_022023	3510C, 8270D SIM	T	1 mL		clear			
410-115936-E-2	Dup-01_022023	3510C, 8270D SIM	T	1 mL		clear			
410-115936-E-3	FBW001_022023	3510C, 8270D SIM	T	1 mL		clear			
410-115936-E-4	FB-01_022023	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 Laboratories | Job No.: 410-115936-1

SDG No.:

Batch Number: 348351 | Batch Start Date: 02/27/23 16:02 | Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C | Batch End Date: 02/27/23 21:12

Batch Notes	
Balance ID	93158
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	OS11067 DBH82588 SF90133
Analyst ID - Spike Analyst	OS11067
Acid Used for pH Adjustment ID	H2SO4:224621
Base Used to Adjust pH ID	NaOH:4202B64
Prep Solvent ID	MeCl2:226455
Prep Solvent Volume Used	90 mL
Na2SO4 ID	23054A
Analyst ID - Concentration	OS11067 DBH82588 SF90133
Equipment ID - Concentration 1	BUCHI#1,2
Concentration 1 Corrected Temperature	55 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

410-115936 Chain of Custody

onme

Chain of Custody Record

eurofins | Environment Testing

Client Contact: ~~Kay Kincannon~~ Ryley Howard	Sampler: Ryley Howard	Lab PM: Brown, Nicole	Carrier Tracking No(s): 8170845720 36	COC No: 410-80957-14132.1
Company: Environmental Works, Inc	Phone: 417-890-9500	E-Mail: Nicole.Brown@et.eurofinsus.com	State of Origin: MO	Page: Page 1 of 1
Address: 1455 East Chestnut Expressway	PWSID:	Due Date Requested:		Job #:
City: Springfield		TAT Requested (days): Standard		
State, Zip: MO, 65802		Compliance Project: Δ Yes Δ No		
Phone: 406-457-2142(Tel)		PO #: SPRINGFIELD, MO		
Email: rrhoward ~~kkincannon~~@environmentalworks.com		WO #:		
Project Name: Springfield, MO – OFIWP		Project #: 41006923		
Site:		SSOW#:		

Analysis 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), Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - Springfield, MO - 8260C TCL4.3 + TMB	8270D & 8270D_SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
FBS010_022023	02/16/23	1111	G	Water			3	4	7	
Dup-01_022023	02/16/23	1200	G	Water			3	4	7	
FBW001_022023	02/16/23	1057	G	Water			3	4	7	
FBS010-MS_022023	02/16/23	1111	G	Water		Y	3	4	7	
FBS010-MSD_022023	02/16/23	1111	G	Water		Y	3	4	7	
FB-01_022023	02/16/23	1057	G	Water			3	4	7	
				~~Water~~						
Trip Blank – 022023	Labprep			Water			2		2	

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) II + IV

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 02-09-23 1238	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 02/16/23 @1300	Company EWI	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2/17/23 0940	Company

Custody Seals Intact: ☒ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1

Ver: 01/16/2019

03/03/2023

Login Sample Receipt Checklist

Client: Environmental Works, Inc.

Job Number: 410-115936-1

Login Number: 115936

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: McBeth, Jessica

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.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
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 February 16, 2022. The data package group number was 410-115936.

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 met 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. No issues were identified.

2) Agreement of Analyses Conducted with Chain-of-Custody Requests

Analytical reports received from the laboratory were checked against the 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). Receipt Exceptions: 2 - 40ml HCl vials for the following sample was received broken: FBS010_022023 (410-115936-1). Broken vials posed no effect on analysis or data quality; therefore, results are acceptable.

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. The lab acknowledgement noted the trip blanks were inside cooler with no issues noted upon receipt. The trip blank sample was analyzed for target VOCs and there were no detections.

5) Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries

Method 8270D_SIM: All target analytes were spiked into control samples and reported for the required LCS/LCSD analyses. The laboratory control sample (LCS) and laboratory control duplicate (LCSD) for preparation batch 410-347487 and analytical batch 410-347593 recovered outside control limits for the following analyte: 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. 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: Di-n-butyl phthalate.

6) Surrogate Spike Recoveries

No surrogate recoveries were identified out of limits.

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 method detection limit (MDL) in the method blank associated with preparation batch 410-347487 and analytical batch 410-347593 as well as the following samples: FBS010_022023 (410-115936-1), Dup-01_022023 (410-115936-2), FBW001_022023 (410-115936-3) and FB-01_022023 (410-115936-4). All

affected samples were re-extracted and/or re-analyzed outside of holding time. Both sets of data have been reported by the laboratory.

9) Equipment Blank Sample Results

Equipment blanks were not warranted as no sampling equipment was needed. Water samples were 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 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 and well sampled with Field Blank had no detected analytes; therefore, results are accepted.

11) Lab Comments

A summary of lab narrative/comments is shown below in bullets in the Summary below.

12) Instrument Calibration

pH tests were conducted with HANNAH pH probe as samples were collected. pH meter was calibrated with 4.00 and 7.00 stock standard on the day of sampling.

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

Upon completion of QAQC Data Review any findings for Di-n-butyl phthalate or Bis(2-ethylhexyl) phthalate are invalidated based of finding of the subject analytes within the Method Blanks. Level 4 QAQC Review will be generated as well.

Summary of QA/QC Observations:

- GC/MS VOA - Method 8260C: 2 40ml HCl vials for the following sample was received broken. FBS010_022023 (410-115936-1). Sufficient sample in remaining containers for analysis.
- GC/MS Semi VOA Method 8270D - Internal standard (ISTD) response for Perylene-d12 in the following samples was outside of acceptance limits: FBS010_022023 (410-115936-1), FBW001_022023 (410-115936-3) and FB-01_022023 (410-115936-4). None of the compounds reported in the sample are associated with this ISTD; therefore, the data is reported.
- GC/MS Semi VOA Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-347593 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate and N-Nitrosodimethylamine. 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 method detection limit (MDL) in the method blank associated with preparation batch 410-347487 and analytical batch 410-347593 as well as in the following samples: FBS010_022023 (410-115936-1), Dup-01_022023 (410-115936-2), FBW001_022023 (410-115936-3) and FB-01_022023 (410-115936-4). All affected samples were re-extracted and/or re-analyzed outside of holding time. Both sets of data have been reported by the laboratory. Based on finding within Method Blank (0.202 J for Di-n-butyl phthalate) all findings for that analyte are biased high and be invalidated. Additionally, bis(2-ethylhexyl) phthalate was found in Method Blank for re-extraction/re-analysis out of hold time and therefore any findings from the re-extraction are invalidated.

- GC/MS Semi VOA Method 8270D_SIM: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 410-347487 and analytical batch 410-347593 recovered outside control limits for the following analytes: 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.