ENVIRONMENTAL WORKS

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August 22, 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 May 18, 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:

- Non-Facility-related chemicals trichlorobenzene and bis(2-ethylhexyl)phthalate were detected at estimated concentrations from Fulbright Spring.

- Non-Facility-related chemical di-n-butylphthalate was detected in the sample collected from Fulbright Spring; however, this compound was also detected in the Field Blank. These results should be considered biased high.

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.

[1] The Multistate Trust received the validated data on August 2, 2023.

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 (Q2-2023)
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 (Q2-2023)
Fulbright Spring and Fulbright Well 1
Springfield, Missouri

Station Name	CAS Number	Units	GWPS	Fulbright Spring	Fulbright Spring	Fulbright Well 1	Quality Control Sample	Quality Control Sample	Quality Control Sample
Field Sample ID				FBS010_052023	Dup-01_052023	FBW001_052023	FB-01_052023	Trip Blank	Method Blank[2]
Sample Type				Normal	Duplicate	Normal	Field Blank	Trip Blank	Lab Method Blanks
Sample Date				05/18/2023	05/18/2023	05/18/2023	05/18/2023	05/18/2023	NA
Volatile Organic Compounds[1]									
1,1,1-Trichloroethane	71-55-6	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2,2-Tetrachloroethane	79-34-5	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2-Trichloroethane	79-00-5	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1-Dichloroethane	75-34-3	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1-Dichloroethene	75-35-4	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,2,4-Trichlorobenzene	120-82-1	µg/l		**0.42 J**	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,2,4-Trimethylbenzene	95-63-6	µg/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	96-12-8	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,2-Dibromoethane	106-93-4	µg/l		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichlorobenzene	95-50-1	µg/l		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	107-06-2	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,2-Dichloropropane	78-87-5	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,3,5-Trimethylbenzene	108-67-8	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,3-Dichlorobenzene	541-73-1	µg/l		< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68
1,4-Dichlorobenzene	106-46-7	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
2-Butanone	78-93-3	µg/l		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Hexanone	591-78-6	µg/l		< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
4-Methyl-2-pentanone	108-10-1	µg/l		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acetone	67-64-1	µg/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	µg/l		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Bromoform	75-25-2	µg/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	74-83-9	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Carbon Disulfide	75-15-0	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Carbon Tetrachloride	56-23-5	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Chlorobenzene	108-90-7	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Chloroethane	75-00-3	µg/l		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chloroform	67-66-3	µg/l		< 0.3	< 0.3	< 0.3	**0.98 J**	< 0.3	< 0.3
Chloromethane	74-87-3	µg/l		< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
cis-1,2-Dichloroethene	156-59-2	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
cis-1,3-Dichloropropene	10061-01-5	µg/l		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Cyclohexane	110-82-7	µg/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	124-48-1	µg/l		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorodifluoromethane	75-71-8	µg/l		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

Fulbright Spring and Fulbright Well 1
Springfield, Missouri

Station Name	CAS Number	Units	GWPS	Fulbright Spring	Fulbright Spring	Fulbright Well 1	Quality Control Sample	Quality Control Sample	Quality Control Sample
Field Sample ID				FBS010_052023	Dup-01_052023	FBW001_052023	FB-01_052023	Trip Blank	Method Blank[2]
Sample Type				Normal	Duplicate	Normal	Field Blank	Trip Blank	Lab Method Blanks
Sample Date				05/18/2023	05/18/2023	05/18/2023	05/18/2023	05/18/2023	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	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Isopropylbenzene	98-82-8	µg/l		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Acetate	79-20-9	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Methyl Tertiary Butyl Ether	1634-04-4	µg/l		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methylcyclohexane	108-87-2	µg/l		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylene Chloride	75-09-2	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Styrene	100-42-5	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tetrachloroethene	127-18-4	µg/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	µg/l		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
trans-1,3-Dichloropropene	10061-02-6	µg/l		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	79-01-6	µg/l		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Trichlorofluoromethane	75-69-4	µg/l		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Vinyl Chloride	75-01-4	µg/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	µg/l		< 0.1	< 0.1	< 0.1	< 0.1	NM	< 0.1
1-Methylnaphthalene	90-12-0	µg/l		< 0.02	< 0.02	< 0.02	< 0.021	NM	< 0.02
2,4-Dimethylphenol[3]	105-67-9	ug/l	540	< 3.0	< 3.0	< 3.0	< 3.0	NM	< 3.0
2,4-Dinitrophenol[3]	51-28-5	ug/l	70	< 10.0	< 10.0	< 10.0	< 10.0	NM	< 10.0
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	< 0.02	< 0.02	< 0.021	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	µg/l		< 0.02	< 0.02	< 0.02	< 0.021	NM	< 0.02
bis(2-Ethylhexyl)phthalate	117-81-7	µg/l		**0.5 J**	< 0.051	< 0.051	< 0.051	NM	< 0.05
Butylbenzylphthalate	85-68-7	µg/l		< 0.05	< 0.051	< 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	< 0.021	NM	< 0.02
Dibenzofuran[3]	132-64-9	ug/l	7.9	< 0.01	< 0.01	< 0.01	< 0.01	NM	< 0.01

Fulbright Spring and Fulbright Well 1
Springfield, Missouri

Station Name	CAS Number	Units	GWPS	Fulbright Spring	Fulbright Spring	Fulbright Well 1	Quality Control Sample	Quality Control Sample	Quality Control Sample
Field Sample ID				FBS010_052023	Dup-01_052023	FBW001_052023	FB-01_052023	Trip Blank	Method Blank[2]
Sample Type				Normal	Duplicate	Normal	Field Blank	Trip Blank	Lab Method Blanks
Sample Date				05/18/2023	05/18/2023	05/18/2023	05/18/2023	05/18/2023	NA
Diethylphthalate	84-66-2	µg/l		< 0.05	< 0.051	< 0.051	< 0.051	NM	< 0.05
Dimethylphthalate	131-11-3	µg/l		< 0.05	< 0.051	< 0.051	< 0.051	NM	< 0.05
Di-n-butylphthalate	84-74-2	µg/l		**0.063 J**	< 0.051	< 0.051	**0.078 J**	NM	< 0.05
Di-n-octylphthalate	117-84-0	µg/l		< 0.05	< 0.051	< 0.051	< 0.051	NM	< 0.05
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	< 0.01	< 0.01	NM	< 0.01
Hexachlorobenzene	118-74-1	µg/l		< 0.02	< 0.02	< 0.02	< 0.021	NM	< 0.02
Indeno(1,2,3-cd)pyrene[3]	193-39-5	ug/l	0.1	< 0.02	< 0.02	< 0.02	< 0.021	NM	< 0.02
Naphthalene[3]	91-20-3	ug/l	20	< 0.03	< 0.03	< 0.031	< 0.031	NM	< 0.03
N-Nitrosodimethylamine	62-75-9	µg/l		< 0.02	< 0.02	< 0.02	< 0.021	NM	< 0.02
Phenanthrene[3]	85-01-8	ug/l		< 0.03	< 0.03	< 0.031	< 0.031	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 410-380934/7; for Semi-Volatile Organic Compounds = MB 410-380061/1-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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/26/2023 11:58:31 AM Revision 2

JOB DESCRIPTION

Springfield, MO: 2Q2023 Public Well Sampling

JOB NUMBER

410-127407-1

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

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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
7/26/2023 11:58:31 AM
Revision 2

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.

Table of Contents

Definitions/Glossary

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low 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
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

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: 410-127407-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-127407-1

REVISION
The report being provided is a revision of the original report sent on 6/5/2023. The report (revision 2) is being revised due to change the relative percent difference limits to reflect 20% for both 8260 and 8270 methods.

Report revision history:
Revision 1 - 6/12/2023 - Reason - The report (revision 1) was revised to add narration regarding relative percent difference out of control limits for VOCs and SVOCs.

Receipt
The samples were received on 5/19/2023 10:05 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 1.2°C

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed on 410-380934 is compliant under 8260C/D method criteria for Carbon disulfide . The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 410-380934 was outside control limits for Methyl acetate. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 410-380338 recovered above the upper control limit for 2,4-Dinitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: FBS010_052023 (410-127407-1), Dup-01_052023 (410-127407-2), FBW001_052023 (410-127407-3) and FB-01_052023 (410-127407-4).

Method 8270D: The laboratory control sample (LCS) for preparation batch 410-380068 and analytical batch 410-380338 recovered outside control limits for the following analytes: 2,4-Dimethylphenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Method 8270D: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 410-380068 and analytical batch 410-380338 recovered outside control limits for the following analytes: Phenol. RPDs exceeded project specific limits, but were within method limits for Phenol .

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-380221 recovered above the upper control limit for Butylbenzylphthalate, Di-n-octyl phthalate and N-Nitrosodimethylamine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples is: FBS010_052023 (410-127407-1).

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-380221 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate, Butylbenzylphthalate, Di-n-octyl phthalate and N-Nitrosodimethylamine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: Dup-01_052023 (410-127407-2), FBW001_052023 (410-127407-3) and FB-01_052023 (410-127407-4).

Method 8270D_SIM: Surrogate recovery for the following sample was outside control limits: Dup-01_052023 (410-127407-2). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both trials are reported.

Method 8270D_SIM: The matrix spike / matrix spike duplicate (MS/MSD) RPDs for preparation batch 410-380061 and analytical batch

Job ID: 410-127407-1 (Continued)

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

410-380221 was outside control limits. RPDs exceeded project specific limits, but were within method limits. The data is 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: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FBS010_052023 — Lab Sample ID: 410-127407-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	0.42	J	5.0	0.30	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.063	J	1.0	0.050	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RA	0.50	J	1.0	0.050	ug/L	1		8270D SIM	Total/NA

Client Sample ID: Dup-01_052023 — Lab Sample ID: 410-127407-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane - RE	5.2	H	0.30	0.10	ug/L	1		8270D SIM	Total/NA
Acenaphthene - RE	0.075	H	0.050	0.010	ug/L	1		8270D SIM	Total/NA
Acenaphthylene - RE	0.020	J H	0.050	0.010	ug/L	1		8270D SIM	Total/NA
Bis(2-chloroethyl)ether - RE	0.021	J H	0.050	0.020	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RE	0.75	J H B	1.0	0.050	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate - RE	0.070	J H	1.0	0.050	ug/L	1		8270D SIM	Total/NA

Client Sample ID: FBW001_052023 — Lab Sample ID: 410-127407-3

No Detections.

Client Sample ID: FB-01_052023 — Lab Sample ID: 410-127407-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.98	J	1.0	0.30	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.078	J	1.0	0.051	ug/L	1		8270D SIM	Total/NA

Client Sample ID: Trip Blank-01_052023 — Lab Sample ID: 410-127407-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FBS010_052023 **Lab Sample ID: 410-127407-1**
Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 15:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,2,4-Trichlorobenzene	**0.42**	**J**	5.0	0.30	ug/L			05/30/23 15:06	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 15:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 15:06	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 15:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 15:06	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 15:06	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 15:06	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 15:06	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 15:06	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 15:06	1
Acetone	ND		20	0.70	ug/L			05/30/23 15:06	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 15:06	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			05/30/23 15:06	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Chloroform	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 15:06	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 15:06	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 15:06	1
Freon 113	ND		10	0.30	ug/L			05/30/23 15:06	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 15:06	1
Methyl acetate	ND	cn	5.0	0.30	ug/L			05/30/23 15:06	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 15:06	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 15:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 15:06	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 15:06	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/30/23 15:06	1

Client Sample ID: FBS010_052023 **Lab Sample ID: 410-127407-1**
Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/30/23 15:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/30/23 15:06*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*05/30/23 15:06*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/30/23 15:06*	*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		05/25/23 15:27	05/26/23 10:22	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Acenaphthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Acenaphthylene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Anthracene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Butylbenzylphthalate	ND	cn	1.0	0.050	ug/L		05/25/23 15:27	05/26/23 10:22	1
Chrysene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Dibenzofuran	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Diethylphthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 10:22	1
Dimethylphthalate	ND	*1	1.0	0.050	ug/L		05/25/23 15:27	05/26/23 10:22	1
Di-n-butyl phthalate	**0.063**	**J**	1.0	0.050	ug/L		05/25/23 15:27	05/26/23 10:22	1
Di-n-octyl phthalate	ND	cn	1.0	0.050	ug/L		05/25/23 15:27	05/26/23 10:22	1
Fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Fluorene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Naphthalene	ND		0.070	0.030	ug/L		05/25/23 15:27	05/26/23 10:22	1
N-Nitrosodimethylamine	ND	cn	0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Phenanthrene	ND		0.070	0.030	ug/L		05/25/23 15:27	05/26/23 10:22	1
Pyrene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*57*		*33 - 120*	*05/25/23 15:27*	*05/26/23 10:22*	*1*
Benzo(a)pyrene-d12 (Surr)	*70*		*17 - 120*	*05/25/23 15:27*	*05/26/23 10:22*	*1*
Fluoranthene-d10 (Surr)	*76*		*43 - 124*	*05/25/23 15:27*	*05/26/23 10:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.50**	**J**	1.0	0.050	ug/L		05/25/23 15:27	05/30/23 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*51*		*33 - 120*	*05/25/23 15:27*	*05/30/23 07:38*	*1*
Benzo(a)pyrene-d12 (Surr)	*63*		*17 - 120*	*05/25/23 15:27*	*05/30/23 07:38*	*1*

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FBS010_052023 **Lab Sample ID: 410-127407-1**
Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluoranthene-d10 (Surr)	*64*		*43 - 124*	*05/25/23 15:27*	*05/30/23 07:38*	*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		05/25/23 15:30	05/26/23 14:32	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		05/25/23 15:30	05/26/23 14:32	1
2-Chlorophenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 14:32	1
Carbazole	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 14:32	1
Phenol	ND	cn	2	0.5	ug/L		05/25/23 15:30	05/26/23 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*64*		*13 - 138*	*05/25/23 15:30*	*05/26/23 14:32*	*1*
2-Fluorobiphenyl (Surr)	*57*		*44 - 120*	*05/25/23 15:30*	*05/26/23 14:32*	*1*
2-Fluorophenol (Surr)	*29*		*10 - 120*	*05/25/23 15:30*	*05/26/23 14:32*	*1*
Nitrobenzene-d5 (Surr)	*46*		*31 - 120*	*05/25/23 15:30*	*05/26/23 14:32*	*1*
Phenol-d5 (Surr)	*18*		*10 - 120*	*05/25/23 15:30*	*05/26/23 14:32*	*1*
p-Terphenyl-d14 (Surr)	*79*		*30 - 125*	*05/25/23 15:30*	*05/26/23 14:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	H	10	3	ug/L		06/01/23 15:50	06/02/23 00:56	1
2,4-Dinitrophenol	ND	H	30	10	ug/L		06/01/23 15:50	06/02/23 00:56	1
2-Chlorophenol	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 00:56	1
Carbazole	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 00:56	1
Phenol	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*85*		*13 - 138*	*06/01/23 15:50*	*06/02/23 00:56*	*1*
2-Fluorobiphenyl (Surr)	*71*		*44 - 120*	*06/01/23 15:50*	*06/02/23 00:56*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 120*	*06/01/23 15:50*	*06/02/23 00:56*	*1*
Nitrobenzene-d5 (Surr)	*71*		*31 - 120*	*06/01/23 15:50*	*06/02/23 00:56*	*1*
Phenol-d5 (Surr)	*30*		*10 - 120*	*06/01/23 15:50*	*06/02/23 00:56*	*1*
p-Terphenyl-d14 (Surr)	*74*		*30 - 125*	*06/01/23 15:50*	*06/02/23 00:56*	*1*

Client: Environmental Works, Inc.
Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: Dup-01_052023
Lab Sample ID: 410-127407-2
Date Collected: 05/18/23 12:00
Matrix: Water
Date Received: 05/19/23 10:05

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			05/30/23 15:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 15:29	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 15:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 15:29	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 15:29	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 15:29	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 15:29	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 15:29	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 15:29	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 15:29	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 15:29	1
Acetone	ND		20	0.70	ug/L			05/30/23 15:29	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 15:29	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			05/30/23 15:29	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Chloroform	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 15:29	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:29	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 15:29	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 15:29	1
Freon 113	ND		10	0.30	ug/L			05/30/23 15:29	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 15:29	1
Methyl acetate	ND	cn	5.0	0.30	ug/L			05/30/23 15:29	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 15:29	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 15:29	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 15:29	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 15:29	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/30/23 15:29	1

Client Sample ID: Dup-01_052023 — Lab Sample ID: 410-127407-2

Date Collected: 05/18/23 12:00 — **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/30/23 15:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/30/23 15:29*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*05/30/23 15:29*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/30/23 15:29*	*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	cn	0.30	0.10	ug/L		05/25/23 15:27	05/26/23 10:43	1
1-Methylnaphthalene	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
2-Methylnaphthalene	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Acenaphthene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Acenaphthylene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Anthracene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Benzo[a]anthracene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Benzo[a]pyrene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Benzo[b]fluoranthene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Benzo[g,h,i]perylene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Benzo[k]fluoranthene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Bis(2-chloroethyl)ether	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Chrysene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Dibenz(a,h)anthracene	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Dibenzofuran	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Diethylphthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Dimethylphthalate	ND	*1 cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Di-n-butyl phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Di-n-octyl phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Fluoranthene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Fluorene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Hexachlorobenzene	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Indeno[1,2,3-cd]pyrene	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Naphthalene	ND	cn	0.071	0.030	ug/L		05/25/23 15:27	05/26/23 10:43	1
N-Nitrosodimethylamine	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Phenanthrene	ND	cn	0.071	0.030	ug/L		05/25/23 15:27	05/26/23 10:43	1
Pyrene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*18*	*S1- cn*	*33 - 120*	*05/25/23 15:27*	*05/26/23 10:43*	*1*
Benzo(a)pyrene-d12 (Surr)	*22*	*cn*	*17 - 120*	*05/25/23 15:27*	*05/26/23 10:43*	*1*
Fluoranthene-d10 (Surr)	*31*	*S1- cn*	*43 - 124*	*05/25/23 15:27*	*05/26/23 10:43*	*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	**5.2**	**H**	0.30	0.10	ug/L		06/01/23 15:47	06/02/23 07:40	1
1-Methylnaphthalene	ND	H	0.050	0.020	ug/L		06/01/23 15:47	06/02/23 07:40	1
2-Methylnaphthalene	ND	H	0.050	0.020	ug/L		06/01/23 15:47	06/02/23 07:40	1

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: Dup-01_052023 **Lab Sample ID: 410-127407-2**
Date Collected: 05/18/23 12:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.075**	**H**	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Acenaphthylene	**0.020**	**J H**	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Anthracene	ND	H	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Benzo[a]anthracene	ND	H	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Benzo[a]pyrene	ND	H	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Benzo[b]fluoranthene	ND	H	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Benzo[g,h,i]perylene	ND	H	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Benzo[k]fluoranthene	ND	H	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Bis(2-chloroethyl)ether	**0.021**	**J H**	0.050	0.020	ug/L		06/01/23 15:47	06/02/23 07:40	1
Bis(2-ethylhexyl) phthalate	**0.75**	**J H B**	1.0	0.050	ug/L		06/01/23 15:47	06/02/23 07:40	1
Butylbenzylphthalate	ND	H	1.0	0.050	ug/L		06/01/23 15:47	06/02/23 07:40	1
Chrysene	ND	H	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Dibenz(a,h)anthracene	ND	H	0.050	0.020	ug/L		06/01/23 15:47	06/02/23 07:40	1
Dibenzofuran	ND	H	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Diethylphthalate	ND	H	1.0	0.050	ug/L		06/01/23 15:47	06/02/23 07:40	1
Dimethylphthalate	ND	H	1.0	0.050	ug/L		06/01/23 15:47	06/02/23 07:40	1
Di-n-butyl phthalate	**0.070**	**J H**	1.0	0.050	ug/L		06/01/23 15:47	06/02/23 07:40	1
Di-n-octyl phthalate	ND	H	1.0	0.050	ug/L		06/01/23 15:47	06/02/23 07:40	1
Fluoranthene	ND	H	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Fluorene	ND	H	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1
Hexachlorobenzene	ND	H	0.050	0.020	ug/L		06/01/23 15:47	06/02/23 07:40	1
Indeno[1,2,3-cd]pyrene	ND	H	0.050	0.020	ug/L		06/01/23 15:47	06/02/23 07:40	1
Naphthalene	ND	H	0.071	0.030	ug/L		06/01/23 15:47	06/02/23 07:40	1
N-Nitrosodimethylamine	ND	H	0.050	0.020	ug/L		06/01/23 15:47	06/02/23 07:40	1
Phenanthrene	ND	H	0.071	0.030	ug/L		06/01/23 15:47	06/02/23 07:40	1
Pyrene	ND	H	0.050	0.010	ug/L		06/01/23 15:47	06/02/23 07:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*60*		*33 - 120*	*06/01/23 15:47*	*06/02/23 07:40*	*1*
Benzo(a)pyrene-d12 (Surr)	*73*		*17 - 120*	*06/01/23 15:47*	*06/02/23 07:40*	*1*
Fluoranthene-d10 (Surr)	*65*		*43 - 124*	*06/01/23 15:47*	*06/02/23 07:40*	*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		05/25/23 15:30	05/26/23 14:51	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		05/25/23 15:30	05/26/23 14:51	1
2-Chlorophenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 14:51	1
Carbazole	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 14:51	1
Phenol	ND	cn	2	0.5	ug/L		05/25/23 15:30	05/26/23 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*19*		*13 - 138*	*05/25/23 15:30*	*05/26/23 14:51*	*1*
2-Fluorobiphenyl (Surr)	*20*	*S1-*	*44 - 120*	*05/25/23 15:30*	*05/26/23 14:51*	*1*
2-Fluorophenol (Surr)	*6*	*S1-*	*10 - 120*	*05/25/23 15:30*	*05/26/23 14:51*	*1*
Nitrobenzene-d5 (Surr)	*12*	*S1-*	*31 - 120*	*05/25/23 15:30*	*05/26/23 14:51*	*1*
Phenol-d5 (Surr)	*4*	*S1-*	*10 - 120*	*05/25/23 15:30*	*05/26/23 14:51*	*1*
p-Terphenyl-d14 (Surr)	*28*	*S1-*	*30 - 125*	*05/25/23 15:30*	*05/26/23 14:51*	*1*

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: Dup-01_052023 **Lab Sample ID: 410-127407-2**
Date Collected: 05/18/23 12:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	H	10	3	ug/L		06/01/23 15:50	06/02/23 01:16	1
2,4-Dinitrophenol	ND	H	30	10	ug/L		06/01/23 15:50	06/02/23 01:16	1
2-Chlorophenol	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 01:16	1
Carbazole	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 01:16	1
Phenol	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*13 - 138*	*06/01/23 15:50*	*06/02/23 01:16*	*1*
2-Fluorobiphenyl (Surr)	*68*		*44 - 120*	*06/01/23 15:50*	*06/02/23 01:16*	*1*
2-Fluorophenol (Surr)	*42*		*10 - 120*	*06/01/23 15:50*	*06/02/23 01:16*	*1*
Nitrobenzene-d5 (Surr)	*59*		*31 - 120*	*06/01/23 15:50*	*06/02/23 01:16*	*1*
Phenol-d5 (Surr)	*28*		*10 - 120*	*06/01/23 15:50*	*06/02/23 01:16*	*1*
p-Terphenyl-d14 (Surr)	*79*		*30 - 125*	*06/01/23 15:50*	*06/02/23 01:16*	*1*

Client: Environmental Works, Inc.
Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FBW001_052023
Lab Sample ID: 410-127407-3
Date Collected: 05/18/23 10:43
Matrix: Water
Date Received: 05/19/23 10:05

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			05/30/23 13:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 13:59	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:59	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:59	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:59	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 13:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 13:59	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 13:59	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:59	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 13:59	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 13:59	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 13:59	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:59	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 13:59	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 13:59	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 13:59	1
Acetone	ND		20	0.70	ug/L			05/30/23 13:59	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 13:59	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			05/30/23 13:59	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Chloroform	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 13:59	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 13:59	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 13:59	1
Freon 113	ND		10	0.30	ug/L			05/30/23 13:59	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 13:59	1
Methyl acetate	ND	F2 cn	5.0	0.30	ug/L			05/30/23 13:59	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 13:59	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 13:59	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 13:59	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 13:59	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/30/23 13:59	1

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FBW001_052023 **Lab Sample ID: 410-127407-3**
Date Collected: 05/18/23 10:43 **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/30/23 13:59*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/30/23 13:59*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/30/23 13:59*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/30/23 13:59*	*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		0.31	0.10	ug/L		05/25/23 15:27	05/26/23 07:50	1
1-Methylnaphthalene	ND		0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
2-Methylnaphthalene	ND	F2	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Acenaphthene	ND	F2	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Acenaphthylene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Anthracene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Benzo[a]anthracene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Benzo[a]pyrene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Benzo[b]fluoranthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Benzo[g,h,i]perylene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Benzo[k]fluoranthene	ND	F2	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Bis(2-chloroethyl)ether	ND		0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Bis(2-ethylhexyl) phthalate	ND	F2 cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Chrysene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Dibenz(a,h)anthracene	ND		0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Dibenzofuran	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Diethylphthalate	ND		1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Dimethylphthalate	ND	*1	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Di-n-butyl phthalate	ND		1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Di-n-octyl phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Fluoranthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Fluorene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Hexachlorobenzene	ND		0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Naphthalene	ND		0.071	0.031	ug/L		05/25/23 15:27	05/26/23 07:50	1
N-Nitrosodimethylamine	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Phenanthrene	ND		0.071	0.031	ug/L		05/25/23 15:27	05/26/23 07:50	1
Pyrene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*38*		*33 - 120*	*05/25/23 15:27*	*05/26/23 07:50*	*1*
Benzo(a)pyrene-d12 (Surr)	*56*		*17 - 120*	*05/25/23 15:27*	*05/26/23 07:50*	*1*
Fluoranthene-d10 (Surr)	*53*		*43 - 124*	*05/25/23 15:27*	*05/26/23 07:50*	*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		05/25/23 15:30	05/26/23 15:10	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		05/25/23 15:30	05/26/23 15:10	1
2-Chlorophenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 15:10	1

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FBW001_052023 **Lab Sample ID: 410-127407-3**
Date Collected: 05/18/23 10:43 **Matrix: Water**
Date Received: 05/19/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 15:10	1
Phenol	ND	cn	2	0.5	ug/L		05/25/23 15:30	05/26/23 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*13 - 138*	*05/25/23 15:30*	*05/26/23 15:10*	*1*
2-Fluorobiphenyl (Surr)	*40*	*S1-*	*44 - 120*	*05/25/23 15:30*	*05/26/23 15:10*	*1*
2-Fluorophenol (Surr)	*29*		*10 - 120*	*05/25/23 15:30*	*05/26/23 15:10*	*1*
Nitrobenzene-d5 (Surr)	*32*		*31 - 120*	*05/25/23 15:30*	*05/26/23 15:10*	*1*
Phenol-d5 (Surr)	*19*		*10 - 120*	*05/25/23 15:30*	*05/26/23 15:10*	*1*
p-Terphenyl-d14 (Surr)	*68*		*30 - 125*	*05/25/23 15:30*	*05/26/23 15:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	H	10	3	ug/L		06/01/23 15:50	06/02/23 01:36	1
2,4-Dinitrophenol	ND	H	30	10	ug/L		06/01/23 15:50	06/02/23 01:36	1
2-Chlorophenol	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 01:36	1
Carbazole	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 01:36	1
Phenol	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*13 - 138*	*06/01/23 15:50*	*06/02/23 01:36*	*1*
2-Fluorobiphenyl (Surr)	*63*		*44 - 120*	*06/01/23 15:50*	*06/02/23 01:36*	*1*
2-Fluorophenol (Surr)	*47*		*10 - 120*	*06/01/23 15:50*	*06/02/23 01:36*	*1*
Nitrobenzene-d5 (Surr)	*61*		*31 - 120*	*06/01/23 15:50*	*06/02/23 01:36*	*1*
Phenol-d5 (Surr)	*28*		*10 - 120*	*06/01/23 15:50*	*06/02/23 01:36*	*1*
p-Terphenyl-d14 (Surr)	*93*		*30 - 125*	*06/01/23 15:50*	*06/02/23 01:36*	*1*

Client: Environmental Works, Inc.
Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FB-01_052023
Lab Sample ID: 410-127407-4
Date Collected: 05/18/23 11:00
Matrix: Water
Date Received: 05/19/23 10:05

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			05/30/23 13:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:14	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 13:14	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 13:14	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 13:14	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 13:14	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 13:14	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:14	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 13:14	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 13:14	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 13:14	1
Acetone	ND		20	0.70	ug/L			05/30/23 13:14	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 13:14	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			05/30/23 13:14	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Chloroform	**0.98**	**J**	1.0	0.30	ug/L			05/30/23 13:14	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 13:14	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 13:14	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 13:14	1
Freon 113	ND		10	0.30	ug/L			05/30/23 13:14	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 13:14	1
Methyl acetate	ND	cn	5.0	0.30	ug/L			05/30/23 13:14	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 13:14	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 13:14	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 13:14	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 13:14	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/30/23 13:14	1

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FB-01_052023 **Lab Sample ID: 410-127407-4**
Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/30/23 13:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/30/23 13:14*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/30/23 13:14*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/30/23 13:14*	*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		0.31	0.10	ug/L		05/25/23 15:27	05/26/23 11:05	1
1-Methylnaphthalene	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
2-Methylnaphthalene	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Acenaphthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Acenaphthylene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Anthracene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Benzo[a]anthracene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Benzo[a]pyrene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Benzo[b]fluoranthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Benzo[g,h,i]perylene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Benzo[k]fluoranthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Bis(2-chloroethyl)ether	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Chrysene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Dibenz(a,h)anthracene	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Dibenzofuran	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Diethylphthalate	ND		1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Dimethylphthalate	ND	*1	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Di-n-butyl phthalate	**0.078**	**J**	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Di-n-octyl phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Fluoranthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Fluorene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Hexachlorobenzene	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Naphthalene	ND		0.072	0.031	ug/L		05/25/23 15:27	05/26/23 11:05	1
N-Nitrosodimethylamine	ND	cn	0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Phenanthrene	ND		0.072	0.031	ug/L		05/25/23 15:27	05/26/23 11:05	1
Pyrene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*56*		*33 - 120*	*05/25/23 15:27*	*05/26/23 11:05*	*1*
Benzo(a)pyrene-d12 (Surr)	*67*		*17 - 120*	*05/25/23 15:27*	*05/26/23 11:05*	*1*
Fluoranthene-d10 (Surr)	*71*		*43 - 124*	*05/25/23 15:27*	*05/26/23 11:05*	*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		05/25/23 15:30	05/26/23 16:08	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		05/25/23 15:30	05/26/23 16:08	1
2-Chlorophenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 16:08	1

Client: Environmental Works, Inc.
Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FB-01_052023
Lab Sample ID: 410-127407-4
Date Collected: 05/18/23 11:00
Matrix: Water
Date Received: 05/19/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 16:08	1
Phenol	ND	cn	2	0.5	ug/L		05/25/23 15:30	05/26/23 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*13 - 138*	*05/25/23 15:30*	*05/26/23 16:08*	*1*
2-Fluorobiphenyl (Surr)	*59*		*44 - 120*	*05/25/23 15:30*	*05/26/23 16:08*	*1*
2-Fluorophenol (Surr)	*28*		*10 - 120*	*05/25/23 15:30*	*05/26/23 16:08*	*1*
Nitrobenzene-d5 (Surr)	*46*		*31 - 120*	*05/25/23 15:30*	*05/26/23 16:08*	*1*
Phenol-d5 (Surr)	*18*		*10 - 120*	*05/25/23 15:30*	*05/26/23 16:08*	*1*
p-Terphenyl-d14 (Surr)	*82*		*30 - 125*	*05/25/23 15:30*	*05/26/23 16:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	H	10	3	ug/L		06/01/23 15:50	06/02/23 02:37	1
2,4-Dinitrophenol	ND	H	30	10	ug/L		06/01/23 15:50	06/02/23 02:37	1
2-Chlorophenol	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 02:37	1
Carbazole	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 02:37	1
Phenol	ND	H	2	0.5	ug/L		06/01/23 15:50	06/02/23 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*13 - 138*	*06/01/23 15:50*	*06/02/23 02:37*	*1*
2-Fluorobiphenyl (Surr)	*67*		*44 - 120*	*06/01/23 15:50*	*06/02/23 02:37*	*1*
2-Fluorophenol (Surr)	*45*		*10 - 120*	*06/01/23 15:50*	*06/02/23 02:37*	*1*
Nitrobenzene-d5 (Surr)	*64*		*31 - 120*	*06/01/23 15:50*	*06/02/23 02:37*	*1*
Phenol-d5 (Surr)	*31*		*10 - 120*	*06/01/23 15:50*	*06/02/23 02:37*	*1*
p-Terphenyl-d14 (Surr)	*96*		*30 - 125*	*06/01/23 15:50*	*06/02/23 02:37*	*1*

Client: Environmental Works, Inc.
Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: Trip Blank-01_052023
Lab Sample ID: 410-127407-5
Date Collected: 05/18/23 00:00
Matrix: Water
Date Received: 05/19/23 10:05

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			05/30/23 13:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:36	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 13:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 13:36	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 13:36	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 13:36	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 13:36	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 13:36	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:36	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 13:36	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 13:36	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 13:36	1
Acetone	ND		20	0.70	ug/L			05/30/23 13:36	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 13:36	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			05/30/23 13:36	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Chloroform	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 13:36	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 13:36	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 13:36	1
Freon 113	ND		10	0.30	ug/L			05/30/23 13:36	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 13:36	1
Methyl acetate	ND	cn	5.0	0.30	ug/L			05/30/23 13:36	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 13:36	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 13:36	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 13:36	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 13:36	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/30/23 13:36	1

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: Trip Blank-01_052023 **Lab Sample ID: 410-127407-5**
Date Collected: 05/18/23 00:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*05/30/23 13:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/30/23 13:36*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/30/23 13:36*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/30/23 13:36*	*1*

Action Limit Summary

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FBS010_052023 Lab Sample ID: 410-127407-1

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		ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA
2,4-Dimethylphenol - RE	ND	H	ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol - RE	ND	H	ug/L	70	30	8270D	Total/NA
2-Chlorophenol - RE	ND	H	ug/L	0.5	2	8270D	Total/NA
Phenol - RE	ND	H	ug/L	300	2	8270D	Total/NA

Client Sample ID: Dup-01_052023 Lab Sample ID: 410-127407-2

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	ND	cn	ug/L	36	0.051	8270D SIM	Total/NA
Acenaphthene	ND	cn	ug/L	1200	0.051	8270D SIM	Total/NA
Anthracene	ND	cn	ug/L	9600	0.051	8270D SIM	Total/NA
Benzo[a]anthracene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[a]pyrene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Chrysene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA

Client Sample ID: Dup-01_052023 (Continued) Lab Sample ID: 410-127407-2

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
Dibenz(a,h)anthracene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Dibenzofuran	ND	cn	ug/L	7.9	0.051	8270D SIM	Total/NA
Fluoranthene	ND	cn	ug/L	300	0.051	8270D SIM	Total/NA
Fluorene	ND	cn	ug/L	1300	0.051	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Naphthalene	ND	cn	ug/L	20	0.071	8270D SIM	Total/NA
Pyrene	ND	cn	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	0.075	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		ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA
2,4-Dimethylphenol - RE	ND	H	ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol - RE	ND	H	ug/L	70	30	8270D	Total/NA
2-Chlorophenol - RE	ND	H	ug/L	0.5	2	8270D	Total/NA
Phenol - RE	ND	H	ug/L	300	2	8270D	Total/NA

Client Sample ID: FBW001_052023 Lab Sample ID: 410-127407-3

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	F2	ug/L	36	0.051	8270D SIM	Total/NA
Acenaphthene	ND	F2	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

Client Sample ID: FBW001_052023 (Continued) Lab Sample ID: 410-127407-3

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
Benzo[b]fluoranthene	ND		ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND	F2	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		ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA
2,4-Dimethylphenol - RE	ND	H	ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol - RE	ND	H	ug/L	70	30	8270D	Total/NA
2-Chlorophenol - RE	ND	H	ug/L	0.5	2	8270D	Total/NA
Phenol - RE	ND	H	ug/L	300	2	8270D	Total/NA

Client Sample ID: FB-01_052023 Lab Sample ID: 410-127407-4

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
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	0.072	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

Client Sample ID: FB-01_052023 (Continued) Lab Sample ID: 410-127407-4

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
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA
2,4-Dimethylphenol - RE	ND	H	ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol - RE	ND	H	ug/L	70	30	8270D	Total/NA
2-Chlorophenol - RE	ND	H	ug/L	0.5	2	8270D	Total/NA
Phenol - RE	ND	H	ug/L	300	2	8270D	Total/NA

Client Sample ID: Trip Blank-01_052023 Lab Sample ID: 410-127407-5

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: 2Q2023 Public Well Sampling

Job ID: 410-127407-1

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)
410-127407-1	FBS010_052023	104	99	103	99
410-127407-2	Dup-01_052023	105	100	103	99
410-127407-3	FBW001_052023	104	98	104	98
410-127407-3 MS	FBW001-MS_052023	105	98	103	100
410-127407-3 MSD	FBW001-MSD_052023	107	100	103	101
410-127407-4	FB-01_052023	106	99	105	96
410-127407-5	Trip Blank-01_052023	108	101	105	98
LCS 410-380934/4	Lab Control Sample	102	100	101	101
LCSD 410-380934/5	Lab Control Sample Dup	101	101	102	101
MB 410-380934/7	Method Blank	105	101	102	98

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	(13-138)	(44-120)	(10-120)	(31-120)	(10-120)	(30-125)
410-127407-1	FBS010_052023	64	57	29	46	18	79
410-127407-1 - RE	FBS010_052023	85	71	51	71	30	74
410-127407-2	Dup-01_052023	19	20 S1-	6 S1-	12 S1-	4 S1-	28 S1-
410-127407-2 - RE	Dup-01_052023	75	68	42	59	28	79
410-127407-3	FBW001_052023	54	40 S1-	29	32	19	68
410-127407-3 - RE	FBW001_052023	86	63	47	61	28	93
410-127407-3 MS	FBW001-MS_052023	64	69	35	54	25	77
410-127407-3 MS - RE	FBW001-MS_052023	98	70	56	67	38	94
410-127407-3 MSD	FBW001-MSD_052023	67	65	42	53	28	79
410-127407-3 MSD - RE	FBW001-MSD_052023	87	66	49	63	33	90
410-127407-4	FB-01_052023	58	59	28	46	18	82
410-127407-4 - RE	FB-01_052023	80	67	45	64	31	96
LCS 410-380068/2-A	Lab Control Sample	63	50	38	38	26	69
LCS 410-382042/2-A	Lab Control Sample	91	70	57	66	41	92
LCSD 410-380068/3-A	Lab Control Sample Dup	69	48	44	38	32	79
LCSD 410-382042/3-A	Lab Control Sample Dup	91	65	50	61	34	83
MB 410-380068/1-A	Method Blank	53	48	27	35	18	73
MB 410-382042/1-A	Method Blank	77	58	35	56	24	82

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)

Surrogate Summary

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	MNPd10 (33-120)	BAPd12 (17-120)	FLN10 (43-124)
410-127407-1	FBS010_052023	57	70	76
410-127407-1 - RA	FBS010_052023	51	63	64
410-127407-2	Dup-01_052023	18 S1- cn	22 cn	31 S1- cn
410-127407-2 - RE	Dup-01_052023	60	73	65
410-127407-3	FBW001_052023	38	56	53
410-127407-3 MS	FBW001-MS_052023	63 cn	76 cn	82 cn
410-127407-3 MSD	FBW001-MSD_052023	54 cn	66 cn	71 cn
410-127407-4	FB-01_052023	56	67	71
LCS 410-380061/2-A	Lab Control Sample	44	69	69
LCS 410-382041/2-A	Lab Control Sample	58	73	73
LCSD 410-380061/3-A	Lab Control Sample Dup	58	81	81
LCSD 410-382041/3-A	Lab Control Sample Dup	51	79	78
MB 410-380061/1-A	Method Blank	45	63	67
MB 410-382041/1-A	Method Blank	61	78	77

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 410-380934/7
Matrix: Water
Analysis Batch: 380934

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			05/30/23 11:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 11:44	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 11:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 11:44	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 11:44	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 11:44	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 11:44	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 11:44	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 11:44	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 11:44	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 11:44	1
Acetone	ND		20	0.70	ug/L			05/30/23 11:44	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 11:44	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/30/23 11:44	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Chloroform	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 11:44	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 11:44	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 11:44	1
Freon 113	ND		10	0.30	ug/L			05/30/23 11:44	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 11:44	1
Methyl acetate	ND		5.0	0.30	ug/L			05/30/23 11:44	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 11:44	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 11:44	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 11:44	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 11:44	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1

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

Lab Sample ID: MB 410-380934/7
Matrix: Water
Analysis Batch: 380934

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			05/30/23 11:44	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/30/23 11:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/30/23 11:44*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/30/23 11:44*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/30/23 11:44*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/30/23 11:44*	*1*

Lab Sample ID: LCS 410-380934/4
Matrix: Water
Analysis Batch: 380934

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	18.7		ug/L		94	67 - 126
1,1,2,2-Tetrachloroethane	20.0	19.8		ug/L		99	72 - 120
1,1,2-Trichloroethane	20.0	20.2		ug/L		101	80 - 120
1,1-Dichloroethane	20.0	21.0		ug/L		105	80 - 120
1,1-Dichloroethene	20.0	20.3		ug/L		101	80 - 131
1,2,4-Trichlorobenzene	20.0	21.3		ug/L		106	63 - 120
1,2,4-Trimethylbenzene	20.0	19.0		ug/L		95	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.0		ug/L		90	47 - 131
1,2-Dibromoethane	20.0	19.9		ug/L		100	77 - 120
1,2-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120
1,2-Dichloroethane	20.0	18.0		ug/L		90	73 - 124
1,2-Dichloropropane	20.0	21.0		ug/L		105	80 - 120
1,3,5-Trimethylbenzene	20.0	19.0		ug/L		95	75 - 120
1,3-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
2-Butanone	250	255		ug/L		102	59 - 135
2-Hexanone	250	267		ug/L		107	56 - 135
4-Methyl-2-pentanone	250	260		ug/L		104	62 - 133
Acetone	250	261		ug/L		104	54 - 157
Benzene	20.0	21.5		ug/L		107	80 - 120
Bromodichloromethane	20.0	19.3		ug/L		96	71 - 120
Bromoform	20.0	19.8		ug/L		99	51 - 120
Bromomethane	20.0	18.9		ug/L		94	53 - 128
Carbon disulfide	20.0	22.6		ug/L		113	65 - 128
Carbon tetrachloride	20.0	19.2		ug/L		96	64 - 134
Chlorobenzene	20.0	19.9		ug/L		100	80 - 120
Chloroethane	20.0	19.4		ug/L		97	55 - 123
Chloroform	20.0	19.6		ug/L		98	80 - 120
Chloromethane	20.0	17.5		ug/L		87	56 - 121
cis-1,2-Dichloroethene	20.0	21.6		ug/L		108	80 - 125
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	75 - 120
Cyclohexane	20.0	20.2		ug/L		101	68 - 126
Dibromochloromethane	20.0	20.4		ug/L		102	71 - 120
Dichlorodifluoromethane	20.0	13.0		ug/L		65	41 - 127

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

Lab Sample ID: LCS 410-380934/4
Matrix: Water
Analysis Batch: 380934

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	19.9		ug/L		100	80 - 120		
Freon 113			20.0	20.1		ug/L		100	73 - 139		
Isopropylbenzene			20.0	20.5		ug/L		102	80 - 120		
Methyl acetate			20.0	24.1		ug/L		120	54 - 136		
Methyl tertiary butyl ether			20.0	20.6		ug/L		103	69 - 122		
Methylcyclohexane			20.0	19.8		ug/L		99	67 - 121		
Methylene Chloride			20.0	21.5		ug/L		108	80 - 120		
Styrene			20.0	19.8		ug/L		99	80 - 120		
Tetrachloroethene			20.0	19.9		ug/L		99	80 - 120		
Toluene			20.0	20.6		ug/L		103	80 - 120		
trans-1,2-Dichloroethene			20.0	21.0		ug/L		105	80 - 126		
trans-1,3-Dichloropropene			20.0	19.1		ug/L		95	67 - 120		
Trichloroethene			20.0	19.6		ug/L		98	80 - 120		
Trichlorofluoromethane			20.0	14.9		ug/L		75	55 - 135		
Vinyl chloride			20.0	17.8		ug/L		89	56 - 120		
Xylenes, Total			60.0	61.1		ug/L		102	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 410-380934/5
Matrix: Water
Analysis Batch: 380934

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	19.0		ug/L		95	67 - 126	2	20
1,1,2,2-Tetrachloroethane			20.0	18.9		ug/L		95	72 - 120	4	20
1,1,2-Trichloroethane			20.0	20.1		ug/L		101	80 - 120	0	20
1,1-Dichloroethane			20.0	21.3		ug/L		107	80 - 120	2	20
1,1-Dichloroethene			20.0	20.8		ug/L		104	80 - 131	2	20
1,2,4-Trichlorobenzene			20.0	19.0		ug/L		95	63 - 120	11	20
1,2,4-Trimethylbenzene			20.0	18.3		ug/L		91	75 - 120	4	20
1,2-Dibromo-3-Chloropropane			20.0	16.2		ug/L		81	47 - 131	11	20
1,2-Dibromoethane			20.0	20.0		ug/L		100	77 - 120	1	20
1,2-Dichlorobenzene			20.0	18.7		ug/L		94	80 - 120	3	20
1,2-Dichloroethane			20.0	18.4		ug/L		92	73 - 124	2	20
1,2-Dichloropropane			20.0	20.7		ug/L		104	80 - 120	1	20
1,3,5-Trimethylbenzene			20.0	18.5		ug/L		93	75 - 120	2	20
1,3-Dichlorobenzene			20.0	18.7		ug/L		93	80 - 120	5	20
1,4-Dichlorobenzene			20.0	19.8		ug/L		99	80 - 120	3	20
2-Butanone			250	264		ug/L		106	59 - 135	4	20
2-Hexanone			250	265		ug/L		106	56 - 135	1	20
4-Methyl-2-pentanone			250	254		ug/L		102	62 - 133	2	20
Acetone			250	246		ug/L		98	54 - 157	6	20
Benzene			20.0	21.4		ug/L		107	80 - 120	0	20

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

Lab Sample ID: LCSD 410-380934/5
Matrix: Water
Analysis Batch: 380934

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromodichloromethane	20.0	18.7		ug/L		93	71 - 120	3	20
Bromoform	20.0	19.4		ug/L		97	51 - 120	2	20
Bromomethane	20.0	19.4		ug/L		97	53 - 128	3	20
Carbon disulfide	20.0	22.6		ug/L		113	65 - 128	0	20
Carbon tetrachloride	20.0	19.2		ug/L		96	64 - 134	0	20
Chlorobenzene	20.0	19.8		ug/L		99	80 - 120	0	20
Chloroethane	20.0	19.3		ug/L		96	55 - 123	1	20
Chloroform	20.0	20.1		ug/L		100	80 - 120	3	20
Chloromethane	20.0	16.8		ug/L		84	56 - 121	4	20
cis-1,2-Dichloroethene	20.0	21.8		ug/L		109	80 - 125	1	20
cis-1,3-Dichloropropene	20.0	18.7		ug/L		93	75 - 120	1	20
Cyclohexane	20.0	19.8		ug/L		99	68 - 126	2	20
Dibromochloromethane	20.0	19.9		ug/L		100	71 - 120	2	20
Dichlorodifluoromethane	20.0	12.9		ug/L		64	41 - 127	1	20
Ethylbenzene	20.0	20.3		ug/L		102	80 - 120	2	20
Freon 113	20.0	20.5		ug/L		102	73 - 139	2	20
Isopropylbenzene	20.0	20.6		ug/L		103	80 - 120	0	20
Methyl acetate	20.0	24.7		ug/L		124	54 - 136	3	20
Methyl tertiary butyl ether	20.0	20.7		ug/L		103	69 - 122	0	20
Methylcyclohexane	20.0	20.0		ug/L		100	67 - 121	1	20
Methylene Chloride	20.0	21.4		ug/L		107	80 - 120	1	20
Styrene	20.0	19.9		ug/L		99	80 - 120	1	20
Tetrachloroethene	20.0	20.3		ug/L		101	80 - 120	2	20
Toluene	20.0	20.8		ug/L		104	80 - 120	1	20
trans-1,2-Dichloroethene	20.0	21.2		ug/L		106	80 - 126	1	20
trans-1,3-Dichloropropene	20.0	19.1		ug/L		96	67 - 120	0	20
Trichloroethene	20.0	19.8		ug/L		99	80 - 120	1	20
Trichlorofluoromethane	20.0	15.6		ug/L		78	55 - 135	4	20
Vinyl chloride	20.0	17.1		ug/L		85	56 - 120	4	20
Xylenes, Total	60.0	61.3		ug/L		102	80 - 120	0	20

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

Lab Sample ID: 410-127407-3 MS
Matrix: Water
Analysis Batch: 380934

Client Sample ID: FBW001-MS_052023
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	21.2		ug/L		106	67 - 126
1,1,2,2-Tetrachloroethane	ND		20.0	19.5		ug/L		97	72 - 120
1,1,2-Trichloroethane	ND		20.0	20.6		ug/L		103	80 - 120
1,1-Dichloroethane	ND		20.0	22.9		ug/L		115	80 - 120
1,1-Dichloroethene	ND		20.0	24.2		ug/L		121	80 - 131
1,2,4-Trichlorobenzene	ND		20.0	19.5		ug/L		97	63 - 120

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

Lab Sample ID: 410-127407-3 MS **Client Sample ID: FBW001-MS_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	ND		20.0	19.3		ug/L		96	75 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	16.8		ug/L		84	47 - 131
1,2-Dibromoethane	ND		20.0	20.3		ug/L		101	77 - 120
1,2-Dichlorobenzene	ND		20.0	19.6		ug/L		98	80 - 120
1,2-Dichloroethane	ND		20.0	19.2		ug/L		96	73 - 124
1,2-Dichloropropane	ND		20.0	21.9		ug/L		110	80 - 120
1,3,5-Trimethylbenzene	ND		20.0	19.6		ug/L		98	75 - 120
1,3-Dichlorobenzene	ND		20.0	19.8		ug/L		99	80 - 120
1,4-Dichlorobenzene	ND		20.0	21.1		ug/L		105	80 - 120
2-Butanone	ND		250	273		ug/L		109	59 - 135
2-Hexanone	ND		250	263		ug/L		105	56 - 135
4-Methyl-2-pentanone	ND		250	259		ug/L		104	62 - 133
Acetone	ND		250	289		ug/L		115	54 - 157
Benzene	ND		20.0	23.3		ug/L		117	80 - 120
Bromodichloromethane	ND		20.0	20.3		ug/L		101	71 - 120
Bromoform	ND		20.0	19.7		ug/L		99	51 - 120
Bromomethane	ND		20.0	20.7		ug/L		104	53 - 128
Carbon disulfide	ND	cn	20.0	25.6		ug/L		128	65 - 128
Carbon tetrachloride	ND		20.0	22.1		ug/L		111	64 - 134
Chlorobenzene	ND		20.0	21.1		ug/L		105	80 - 120
Chloroethane	ND		20.0	22.1		ug/L		110	55 - 123
Chloroform	ND		20.0	21.8		ug/L		109	80 - 120
Chloromethane	ND		20.0	20.1		ug/L		101	56 - 121
cis-1,2-Dichloroethene	ND		20.0	23.6		ug/L		118	80 - 125
cis-1,3-Dichloropropene	ND		20.0	19.1		ug/L		96	75 - 120
Cyclohexane	ND		20.0	23.4		ug/L		117	68 - 126
Dibromochloromethane	ND		20.0	20.5		ug/L		103	71 - 120
Dichlorodifluoromethane	ND		20.0	16.5		ug/L		82	41 - 127
Ethylbenzene	ND		20.0	21.2		ug/L		106	80 - 120
Freon 113	ND		20.0	24.1		ug/L		120	73 - 139
Isopropylbenzene	ND		20.0	22.1		ug/L		110	80 - 120
Methyl acetate	ND	F2 cn	20.0	25.4		ug/L		127	54 - 136
Methyl tertiary butyl ether	ND		20.0	20.4		ug/L		102	69 - 122
Methylcyclohexane	ND		20.0	23.3		ug/L		116	67 - 121
Methylene Chloride	ND		20.0	23.3		ug/L		117	80 - 120
Styrene	ND		20.0	20.6		ug/L		103	80 - 120
Tetrachloroethene	ND		20.0	22.2		ug/L		111	80 - 120
Toluene	ND		20.0	21.9		ug/L		109	80 - 120
trans-1,2-Dichloroethene	ND		20.0	23.5		ug/L		118	80 - 126
trans-1,3-Dichloropropene	ND		20.0	18.9		ug/L		95	67 - 120
Trichloroethene	ND		20.0	21.6		ug/L		108	80 - 120
Trichlorofluoromethane	ND		20.0	17.9		ug/L		90	55 - 135
Vinyl chloride	ND		20.0	20.3		ug/L		101	56 - 120
Xylenes, Total	ND		60.0	64.5		ug/L		108	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 410-127407-3 MS **Client Sample ID: FBW001-MS_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	103		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 410-127407-3 MSD **Client Sample ID: FBW001-MSD_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

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	20.3		ug/L		102	67 - 126	4	20
1,1,2,2-Tetrachloroethane	ND		20.0	18.4		ug/L		92	72 - 120	6	20
1,1,2-Trichloroethane	ND		20.0	20.0		ug/L		100	80 - 120	3	20
1,1-Dichloroethane	ND		20.0	22.2		ug/L		111	80 - 120	3	20
1,1-Dichloroethene	ND		20.0	21.5		ug/L		107	80 - 131	12	20
1,2,4-Trichlorobenzene	ND		20.0	18.9		ug/L		95	63 - 120	3	20
1,2,4-Trimethylbenzene	ND		20.0	18.6		ug/L		93	75 - 120	3	20
1,2-Dibromo-3-Chloropropane	ND		20.0	15.4		ug/L		77	47 - 131	9	20
1,2-Dibromoethane	ND		20.0	19.8		ug/L		99	77 - 120	2	20
1,2-Dichlorobenzene	ND		20.0	18.8		ug/L		94	80 - 120	4	20
1,2-Dichloroethane	ND		20.0	18.2		ug/L		91	73 - 124	5	20
1,2-Dichloropropane	ND		20.0	21.2		ug/L		106	80 - 120	3	20
1,3,5-Trimethylbenzene	ND		20.0	18.9		ug/L		95	75 - 120	3	20
1,3-Dichlorobenzene	ND		20.0	19.1		ug/L		96	80 - 120	3	20
1,4-Dichlorobenzene	ND		20.0	20.1		ug/L		101	80 - 120	5	20
2-Butanone	ND		250	248		ug/L		99	59 - 135	10	20
2-Hexanone	ND		250	249		ug/L		99	56 - 135	6	20
4-Methyl-2-pentanone	ND		250	240		ug/L		96	62 - 133	8	20
Acetone	ND		250	257		ug/L		103	54 - 157	11	20
Benzene	ND		20.0	22.6		ug/L		113	80 - 120	3	20
Bromodichloromethane	ND		20.0	19.1		ug/L		96	71 - 120	6	20
Bromoform	ND		20.0	19.0		ug/L		95	51 - 120	4	20
Bromomethane	ND		20.0	20.6		ug/L		103	53 - 128	1	20
Carbon disulfide	ND	cn	20.0	23.2		ug/L		116	65 - 128	10	20
Carbon tetrachloride	ND		20.0	20.8		ug/L		104	64 - 134	6	20
Chlorobenzene	ND		20.0	20.3		ug/L		102	80 - 120	4	20
Chloroethane	ND		20.0	21.6		ug/L		108	55 - 123	2	20
Chloroform	ND		20.0	21.0		ug/L		105	80 - 120	4	20
Chloromethane	ND		20.0	18.9		ug/L		95	56 - 121	6	20
cis-1,2-Dichloroethene	ND		20.0	22.8		ug/L		114	80 - 125	4	20
cis-1,3-Dichloropropene	ND		20.0	18.5		ug/L		93	75 - 120	3	20
Cyclohexane	ND		20.0	22.6		ug/L		113	68 - 126	4	20
Dibromochloromethane	ND		20.0	20.1		ug/L		100	71 - 120	2	20
Dichlorodifluoromethane	ND		20.0	15.8		ug/L		79	41 - 127	4	20
Ethylbenzene	ND		20.0	20.8		ug/L		104	80 - 120	2	20
Freon 113	ND		20.0	21.6		ug/L		108	73 - 139	11	20
Isopropylbenzene	ND		20.0	21.6		ug/L		108	80 - 120	2	20
Methyl acetate	ND	F2 cn	20.0	19.4	F2	ug/L		97	54 - 136	27	20
Methyl tertiary butyl ether	ND		20.0	20.1		ug/L		100	69 - 122	2	20
Methylcyclohexane	ND		20.0	22.2		ug/L		111	67 - 121	5	20

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

Lab Sample ID: 410-127407-3 MSD **Client Sample ID: FBW001-MSD_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride	ND		20.0	22.4		ug/L		112	80 - 120	4	20
Styrene	ND		20.0	20.4		ug/L		102	80 - 120	1	20
Tetrachloroethene	ND		20.0	21.8		ug/L		109	80 - 120	2	20
Toluene	ND		20.0	21.3		ug/L		107	80 - 120	2	20
trans-1,2-Dichloroethene	ND		20.0	22.4		ug/L		112	80 - 126	5	20
trans-1,3-Dichloropropene	ND		20.0	18.7		ug/L		94	67 - 120	1	20
Trichloroethene	ND		20.0	20.8		ug/L		104	80 - 120	4	20
Trichlorofluoromethane	ND		20.0	16.7		ug/L		84	55 - 135	7	20
Vinyl chloride	ND		20.0	19.4		ug/L		97	56 - 120	5	20
Xylenes, Total	ND		60.0	63.6		ug/L		106	80 - 120	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: MB 410-380068/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380338 **Prep Batch: 380068**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/25/23 15:30	05/26/23 11:38	1
2,4-Dinitrophenol	ND		30	10	ug/L		05/25/23 15:30	05/26/23 11:38	1
2-Chlorophenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 11:38	1
Carbazole	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 11:38	1
Phenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*13 - 138*	*05/25/23 15:30*	*05/26/23 11:38*	*1*
2-Fluorobiphenyl (Surr)	*48*		*44 - 120*	*05/25/23 15:30*	*05/26/23 11:38*	*1*
2-Fluorophenol (Surr)	*27*		*10 - 120*	*05/25/23 15:30*	*05/26/23 11:38*	*1*
Nitrobenzene-d5 (Surr)	*35*		*31 - 120*	*05/25/23 15:30*	*05/26/23 11:38*	*1*
Phenol-d5 (Surr)	*18*		*10 - 120*	*05/25/23 15:30*	*05/26/23 11:38*	*1*
p-Terphenyl-d14 (Surr)	*73*		*30 - 125*	*05/25/23 15:30*	*05/26/23 11:38*	*1*

Lab Sample ID: LCS 410-380068/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380338 **Prep Batch: 380068**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	50.0	30	*-	ug/L		59	62 - 120
2,4-Dinitrophenol	100	79		ug/L		79	36 - 147
2-Chlorophenol	50.0	34		ug/L		69	57 - 120
Carbazole	50.0	34		ug/L		67	65 - 135
Phenol	50.0	16		ug/L		33	22 - 120

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

Lab Sample ID: LCS 410-380068/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380338 **Prep Batch: 380068**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*63*		*13 - 138*
2-Fluorobiphenyl (Surr)	*50*		*44 - 120*
2-Fluorophenol (Surr)	*38*		*10 - 120*
Nitrobenzene-d5 (Surr)	*38*		*31 - 120*
Phenol-d5 (Surr)	*26*		*10 - 120*
p-Terphenyl-d14 (Surr)	*69*		*30 - 125*

Lab Sample ID: LCSD 410-380068/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380338 **Prep Batch: 380068**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			50.0	33		ug/L		65	62 - 120	10	20
2,4-Dinitrophenol			100	91		ug/L		91	36 - 147	15	20
2-Chlorophenol			50.0	35		ug/L		70	57 - 120	3	20
Carbazole			50.0	33		ug/L		65	65 - 135	3	20
Phenol			50.0	20	*1	ug/L		40	22 - 120	21	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*69*		*13 - 138*
2-Fluorobiphenyl (Surr)	*48*		*44 - 120*
2-Fluorophenol (Surr)	*44*		*10 - 120*
Nitrobenzene-d5 (Surr)	*38*		*31 - 120*
Phenol-d5 (Surr)	*32*		*10 - 120*
p-Terphenyl-d14 (Surr)	*79*		*30 - 125*

Lab Sample ID: 410-127407-3 MS **Client Sample ID: FBW001-MS_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380338 **Prep Batch: 380068**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	ND	*- cn	50.6	35		ug/L		69	62 - 120
2,4-Dinitrophenol	ND	cn	101	76		ug/L		75	36 - 147
2-Chlorophenol	ND		50.6	33		ug/L		64	57 - 120
Carbazole	ND		50.6	51		ug/L		100	65 - 135
Phenol	ND	cn	50.6	16		ug/L		31	22 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*64*		*13 - 138*
2-Fluorobiphenyl (Surr)	*69*		*44 - 120*
2-Fluorophenol (Surr)	*35*		*10 - 120*
Nitrobenzene-d5 (Surr)	*54*		*31 - 120*
Phenol-d5 (Surr)	*25*		*10 - 120*
p-Terphenyl-d14 (Surr)	*77*		*30 - 125*

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

Lab Sample ID: 410-127407-3 MSD — **Client Sample ID: FBW001-MSD_052023**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 380338 — **Prep Batch: 380068**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol	ND	*- cn	50.8	35		ug/L		70	62 - 120	1	20
2,4-Dinitrophenol	ND	cn	102	75		ug/L		74	36 - 147	1	20
2-Chlorophenol	ND		50.8	36		ug/L		71	57 - 120	10	20
Carbazole	ND		50.8	45		ug/L		88	65 - 135	12	20
Phenol	ND	cn	50.8	18		ug/L		36	22 - 120	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*67*		*13 - 138*
2-Fluorobiphenyl (Surr)	*65*		*44 - 120*
2-Fluorophenol (Surr)	*42*		*10 - 120*
Nitrobenzene-d5 (Surr)	*53*		*31 - 120*
Phenol-d5 (Surr)	*28*		*10 - 120*
p-Terphenyl-d14 (Surr)	*79*		*30 - 125*

Lab Sample ID: MB 410-382042/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 382151 — **Prep Batch: 382042**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		06/01/23 15:50	06/01/23 21:54	1
2,4-Dinitrophenol	ND		30	10	ug/L		06/01/23 15:50	06/01/23 21:54	1
2-Chlorophenol	ND		2	0.5	ug/L		06/01/23 15:50	06/01/23 21:54	1
Carbazole	ND		2	0.5	ug/L		06/01/23 15:50	06/01/23 21:54	1
Phenol	ND		2	0.5	ug/L		06/01/23 15:50	06/01/23 21:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*13 - 138*	*06/01/23 15:50*	*06/01/23 21:54*	*1*
2-Fluorobiphenyl (Surr)	*58*		*44 - 120*	*06/01/23 15:50*	*06/01/23 21:54*	*1*
2-Fluorophenol (Surr)	*35*		*10 - 120*	*06/01/23 15:50*	*06/01/23 21:54*	*1*
Nitrobenzene-d5 (Surr)	*56*		*31 - 120*	*06/01/23 15:50*	*06/01/23 21:54*	*1*
Phenol-d5 (Surr)	*24*		*10 - 120*	*06/01/23 15:50*	*06/01/23 21:54*	*1*
p-Terphenyl-d14 (Surr)	*82*		*30 - 125*	*06/01/23 15:50*	*06/01/23 21:54*	*1*

Lab Sample ID: LCS 410-382042/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 382151 — **Prep Batch: 382042**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	50.0	42		ug/L		83	62 - 120
2,4-Dinitrophenol	100	81		ug/L		81	36 - 147
2-Chlorophenol	50.0	41		ug/L		82	57 - 120
Carbazole	50.0	49		ug/L		99	65 - 135
Phenol	50.0	28		ug/L		55	22 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*91*		*13 - 138*
2-Fluorobiphenyl (Surr)	*70*		*44 - 120*

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

Lab Sample ID: LCS 410-382042/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 382151 **Prep Batch: 382042**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	57		10 - 120
Nitrobenzene-d5 (Surr)	66		31 - 120
Phenol-d5 (Surr)	41		10 - 120
p-Terphenyl-d14 (Surr)	92		30 - 125

Lab Sample ID: LCSD 410-382042/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 382151 **Prep Batch: 382042**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			50.0	37		ug/L		75	62 - 120	11	20
2,4-Dinitrophenol			100	83		ug/L		83	36 - 147	2	20
2-Chlorophenol			50.0	39		ug/L		78	57 - 120	5	20
Carbazole			50.0	46		ug/L		91	65 - 135	8	20
Phenol			50.0	24		ug/L		48	22 - 120	15	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	91		13 - 138
2-Fluorobiphenyl (Surr)	65		44 - 120
2-Fluorophenol (Surr)	50		10 - 120
Nitrobenzene-d5 (Surr)	61		31 - 120
Phenol-d5 (Surr)	34		10 - 120
p-Terphenyl-d14 (Surr)	83		30 - 125

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

Lab Sample ID: 410-127407-3 MS **Client Sample ID: FBW001-MS_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 382151 **Prep Batch: 382042**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol - RE	ND	H	51.1	43	H	ug/L		83	62 - 120
2,4-Dinitrophenol - RE	ND	H	102	83	H	ug/L		81	36 - 147
2-Chlorophenol - RE	ND	H	51.1	45	H	ug/L		88	57 - 120
Carbazole - RE	ND	H	51.1	51	H	ug/L		99	65 - 135
Phenol - RE	ND	H	51.1	27	H	ug/L		52	22 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr) - RE	98		13 - 138
2-Fluorobiphenyl (Surr) - RE	70		44 - 120
2-Fluorophenol (Surr) - RE	56		10 - 120
Nitrobenzene-d5 (Surr) - RE	67		31 - 120
Phenol-d5 (Surr) - RE	38		10 - 120
p-Terphenyl-d14 (Surr) - RE	94		30 - 125

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

Lab Sample ID: 410-127407-3 MSD **Client Sample ID: FBW001-MSD_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 382151 **Prep Batch: 382042**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol - RE	ND	H	50.9	38	H	ug/L		74	62 - 120	13	20
2,4-Dinitrophenol - RE	ND	H	102	69	H	ug/L		68	36 - 147	18	20
2-Chlorophenol - RE	ND	H	50.9	38	H	ug/L		75	57 - 120	17	20
Carbazole - RE	ND	H	50.9	50	H	ug/L		99	65 - 135	1	20
Phenol - RE	ND	H	50.9	23	H	ug/L		45	22 - 120	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr) - RE	*87*		*13 - 138*
2-Fluorobiphenyl (Surr) - RE	*66*		*44 - 120*
2-Fluorophenol (Surr) - RE	*49*		*10 - 120*
Nitrobenzene-d5 (Surr) - RE	*63*		*31 - 120*
Phenol-d5 (Surr) - RE	*33*		*10 - 120*
p-Terphenyl-d14 (Surr) - RE	*90*		*30 - 125*

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

Lab Sample ID: MB 410-380061/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		05/25/23 15:27	05/26/23 05:18	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
Acenaphthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Acenaphthylene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Anthracene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
Bis(2-ethylhexyl) phthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Chrysene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
Dibenzofuran	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Diethylphthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Dimethylphthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Di-n-butyl phthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Fluorene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
Naphthalene	ND		0.070	0.030	ug/L		05/25/23 15:27	05/26/23 05:18	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1

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

Lab Sample ID: MB 410-380061/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.070	0.030	ug/L		05/25/23 15:27	05/26/23 05:18	1
Pyrene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*45*		*33 - 120*	*05/25/23 15:27*	*05/26/23 05:18*	*1*
Benzo(a)pyrene-d12 (Surr)	*63*		*17 - 120*	*05/25/23 15:27*	*05/26/23 05:18*	*1*
Fluoranthene-d10 (Surr)	*67*		*43 - 124*	*05/25/23 15:27*	*05/26/23 05:18*	*1*

Lab Sample ID: LCS 410-380061/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.392		ug/L		39	10 - 120
1-Methylnaphthalene	1.00	0.450		ug/L		45	31 - 120
2-Methylnaphthalene	1.00	0.410		ug/L		41	24 - 120
Acenaphthene	1.00	0.515		ug/L		52	42 - 120
Acenaphthylene	1.00	0.537		ug/L		54	41 - 120
Anthracene	1.00	0.665		ug/L		67	48 - 124
Benzo[a]anthracene	1.00	0.680		ug/L		68	50 - 129
Benzo[a]pyrene	1.00	0.712		ug/L		71	49 - 120
Benzo[b]fluoranthene	1.00	0.691		ug/L		69	47 - 131
Benzo[g,h,i]perylene	1.00	0.673		ug/L		67	40 - 132
Benzo[k]fluoranthene	1.00	0.853		ug/L		85	50 - 128
Bis(2-chloroethyl)ether	1.00	0.588		ug/L		59	15 - 163
Bis(2-ethylhexyl) phthalate	1.00	0.784	J	ug/L		78	27 - 158
Butylbenzylphthalate	1.00	0.523	J	ug/L		52	10 - 134
Chrysene	1.00	0.713		ug/L		71	47 - 121
Dibenz(a,h)anthracene	1.00	0.598		ug/L		60	38 - 136
Dibenzofuran	1.00	0.535		ug/L		53	48 - 124
Diethylphthalate	1.00	0.664	J	ug/L		66	48 - 120
Dimethylphthalate	1.00	0.485	J	ug/L		48	10 - 121
Di-n-butyl phthalate	1.00	0.725	J	ug/L		72	59 - 136
Di-n-octyl phthalate	1.00	0.741	J	ug/L		74	42 - 123
Fluoranthene	1.00	0.682		ug/L		68	47 - 129
Fluorene	1.00	0.585		ug/L		58	46 - 120
Hexachlorobenzene	1.00	0.548		ug/L		55	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.626		ug/L		63	35 - 144
Naphthalene	1.00	0.414		ug/L		41	28 - 120
N-Nitrosodimethylamine	1.00	0.486		ug/L		49	37 - 120
Phenanthrene	1.00	0.653		ug/L		65	48 - 121
Pyrene	1.00	0.685		ug/L		68	46 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*44*		*33 - 120*
Benzo(a)pyrene-d12 (Surr)	*69*		*17 - 120*
Fluoranthene-d10 (Surr)	*69*		*43 - 124*

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

Lab Sample ID: LCSD 410-380061/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 380221
Prep Batch: 380061

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.00	0.358		ug/L		36	10 - 120	9	20
1-Methylnaphthalene			1.00	0.558	*1	ug/L		56	31 - 120	21	20
2-Methylnaphthalene			1.00	0.520	*1	ug/L		52	24 - 120	24	20
Acenaphthene			1.00	0.655	*1	ug/L		65	42 - 120	24	20
Acenaphthylene			1.00	0.664	*1	ug/L		66	41 - 120	21	20
Anthracene			1.00	0.782		ug/L		78	48 - 124	16	20
Benzo[a]anthracene			1.00	0.784		ug/L		78	50 - 129	14	20
Benzo[a]pyrene			1.00	0.830		ug/L		83	49 - 120	15	20
Benzo[b]fluoranthene			1.00	0.817		ug/L		82	47 - 131	17	20
Benzo[g,h,i]perylene			1.00	0.760		ug/L		76	40 - 132	12	20
Benzo[k]fluoranthene			1.00	0.970		ug/L		97	50 - 128	13	20
Bis(2-chloroethyl)ether			1.00	0.665		ug/L		66	15 - 163	12	20
Bis(2-ethylhexyl) phthalate			1.00	0.931	J	ug/L		93	27 - 158	17	20
Butylbenzylphthalate			1.00	0.703	J *1	ug/L		70	10 - 134	29	20
Chrysene			1.00	0.847		ug/L		85	47 - 121	17	20
Dibenz(a,h)anthracene			1.00	0.701		ug/L		70	38 - 136	16	20
Dibenzofuran			1.00	0.676	*1	ug/L		68	48 - 124	23	20
Diethylphthalate			1.00	0.818	J *1	ug/L		82	48 - 120	21	20
Dimethylphthalate			1.00	0.659	J *1	ug/L		66	10 - 121	31	20
Di-n-butyl phthalate			1.00	0.913	J *1	ug/L		91	59 - 136	23	20
Di-n-octyl phthalate			1.00	0.846	J	ug/L		85	42 - 123	13	20
Fluoranthene			1.00	0.801		ug/L		80	47 - 129	16	20
Fluorene			1.00	0.720	*1	ug/L		72	46 - 120	21	20
Hexachlorobenzene			1.00	0.673	*1	ug/L		67	20 - 120	21	20
Indeno[1,2,3-cd]pyrene			1.00	0.731		ug/L		73	35 - 144	15	20
Naphthalene			1.00	0.516	*1	ug/L		52	28 - 120	22	20
N-Nitrosodimethylamine			1.00	0.489		ug/L		49	37 - 120	1	20
Phenanthrene			1.00	0.800		ug/L		80	48 - 121	20	20
Pyrene			1.00	0.815		ug/L		81	46 - 122	17	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*58*		*33 - 120*
Benzo(a)pyrene-d12 (Surr)	*81*		*17 - 120*
Fluoranthene-d10 (Surr)	*81*		*43 - 124*

Lab Sample ID: 410-127407-3 MS
Client Sample ID: FBW001-MS_052023
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 380221
Prep Batch: 380061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND		1.03	0.384	cn	ug/L		37	10 - 120
1-Methylnaphthalene	ND		1.03	0.636	cn	ug/L		62	31 - 120
2-Methylnaphthalene	ND	F2	1.03	0.607	cn	ug/L		59	24 - 120
Acenaphthene	ND	F2	1.03	0.743	cn	ug/L		72	42 - 120
Acenaphthylene	ND		1.03	0.749	cn	ug/L		72	41 - 120
Anthracene	ND		1.03	0.807	cn	ug/L		78	48 - 124
Benzo[a]anthracene	ND		1.03	0.799	cn	ug/L		77	50 - 129
Benzo[a]pyrene	ND		1.03	0.805	cn	ug/L		78	49 - 120

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

Lab Sample ID: 410-127407-3 MS **Client Sample ID: FBW001-MS_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	ND		1.03	0.787	cn	ug/L		76	47 - 131
Benzo[g,h,i]perylene	ND		1.03	0.695	cn	ug/L		67	40 - 132
Benzo[k]fluoranthene	ND	F2	1.03	0.946	cn	ug/L		92	50 - 128
Bis(2-chloroethyl)ether	ND		1.03	0.744	cn	ug/L		72	15 - 163
Bis(2-ethylhexyl) phthalate	ND	F2 cn	1.03	0.851	J cn	ug/L		82	27 - 158
Butylbenzylphthalate	ND	cn	1.03	0.831	J cn	ug/L		80	10 - 134
Chrysene	ND		1.03	0.858	cn	ug/L		83	47 - 121
Dibenz(a,h)anthracene	ND		1.03	0.650	cn	ug/L		63	38 - 136
Dibenzofuran	ND		1.03	0.730	cn	ug/L		71	48 - 124
Diethylphthalate	ND		1.03	0.943	J cn	ug/L		91	48 - 120
Dimethylphthalate	ND	*1	1.03	0.894	J cn	ug/L		87	10 - 121
Di-n-butyl phthalate	ND		1.03	0.981	J cn	ug/L		95	59 - 136
Di-n-octyl phthalate	ND	cn	1.03	0.797	J cn	ug/L		77	42 - 123
Fluoranthene	ND		1.03	0.829	cn	ug/L		80	47 - 129
Fluorene	ND		1.03	0.783	cn	ug/L		76	46 - 120
Hexachlorobenzene	ND		1.03	0.742	cn	ug/L		72	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.03	0.649	cn	ug/L		63	35 - 144
Naphthalene	ND		1.03	0.630	cn	ug/L		61	28 - 120
N-Nitrosodimethylamine	ND	cn	1.03	0.562	cn	ug/L		54	37 - 120
Phenanthrene	ND		1.03	0.820	cn	ug/L		79	48 - 121
Pyrene	ND		1.03	0.852	cn	ug/L		82	46 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*63*	*cn*	*33 - 120*
Benzo(a)pyrene-d12 (Surr)	*76*	*cn*	*17 - 120*
Fluoranthene-d10 (Surr)	*82*	*cn*	*43 - 124*

Lab Sample ID: 410-127407-3 MSD **Client Sample ID: FBW001-MSD_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

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	0.377	cn	ug/L		37	10 - 120	2	20
1-Methylnaphthalene	ND		1.01	0.539	cn	ug/L		53	31 - 120	17	20
2-Methylnaphthalene	ND	F2	1.01	0.491	F2 cn	ug/L		49	24 - 120	21	20
Acenaphthene	ND	F2	1.01	0.598	F2 cn	ug/L		59	42 - 120	22	20
Acenaphthylene	ND		1.01	0.632	cn	ug/L		62	41 - 120	17	20
Anthracene	ND		1.01	0.699	cn	ug/L		69	48 - 124	14	20
Benzo[a]anthracene	ND		1.01	0.696	cn	ug/L		69	50 - 129	14	20
Benzo[a]pyrene	ND		1.01	0.685	cn	ug/L		68	49 - 120	16	20
Benzo[b]fluoranthene	ND		1.01	0.711	cn	ug/L		70	47 - 131	10	20
Benzo[g,h,i]perylene	ND		1.01	0.588	cn	ug/L		58	40 - 132	17	20
Benzo[k]fluoranthene	ND	F2	1.01	0.767	F2 cn	ug/L		76	50 - 128	21	20
Bis(2-chloroethyl)ether	ND		1.01	0.646	cn	ug/L		64	15 - 163	14	20
Bis(2-ethylhexyl) phthalate	ND	F2 cn	1.01	0.679	J F2 cn	ug/L		67	27 - 158	22	20
Butylbenzylphthalate	ND	cn	1.01	0.678	J cn	ug/L		67	10 - 134	20	20
Chrysene	ND		1.01	0.719	cn	ug/L		71	47 - 121	18	20
Dibenz(a,h)anthracene	ND		1.01	0.535	cn	ug/L		53	38 - 136	19	20

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

Lab Sample ID: 410-127407-3 MSD **Client Sample ID: FBW001-MSD_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzofuran	ND		1.01	0.619	cn	ug/L		61	48 - 124	17	20
Diethylphthalate	ND		1.01	0.805	J cn	ug/L		80	48 - 120	16	20
Dimethylphthalate	ND	*1	1.01	0.731	J cn	ug/L		72	10 - 121	20	20
Di-n-butyl phthalate	ND		1.01	0.827	J cn	ug/L		82	59 - 136	17	20
Di-n-octyl phthalate	ND	cn	1.01	0.666	J cn	ug/L		66	42 - 123	18	20
Fluoranthene	ND		1.01	0.710	cn	ug/L		70	47 - 129	15	20
Fluorene	ND		1.01	0.650	cn	ug/L		64	46 - 120	19	20
Hexachlorobenzene	ND		1.01	0.620	cn	ug/L		61	20 - 120	18	20
Indeno[1,2,3-cd]pyrene	ND		1.01	0.532	cn	ug/L		53	35 - 144	20	20
Naphthalene	ND		1.01	0.515	cn	ug/L		51	28 - 120	20	20
N-Nitrosodimethylamine	ND	cn	1.01	0.473	cn	ug/L		47	37 - 120	17	20
Phenanthrene	ND		1.01	0.703	cn	ug/L		69	48 - 121	15	20
Pyrene	ND		1.01	0.739	cn	ug/L		73	46 - 122	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*54*	*cn*	*33 - 120*
Benzo(a)pyrene-d12 (Surr)	*66*	*cn*	*17 - 120*
Fluoranthene-d10 (Surr)	*71*	*cn*	*43 - 124*

Lab Sample ID: MB 410-382041/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 382216 **Prep Batch: 382041**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		06/01/23 15:47	06/02/23 06:35	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		06/01/23 15:47	06/02/23 06:35	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		06/01/23 15:47	06/02/23 06:35	1
Acenaphthene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Acenaphthylene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Anthracene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		06/01/23 15:47	06/02/23 06:35	1
Bis(2-ethylhexyl) phthalate	0.534	J	1.0	0.050	ug/L		06/01/23 15:47	06/02/23 06:35	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		06/01/23 15:47	06/02/23 06:35	1
Chrysene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		06/01/23 15:47	06/02/23 06:35	1
Dibenzofuran	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Diethylphthalate	ND		1.0	0.050	ug/L		06/01/23 15:47	06/02/23 06:35	1
Dimethylphthalate	ND		1.0	0.050	ug/L		06/01/23 15:47	06/02/23 06:35	1
Di-n-butyl phthalate	ND		1.0	0.050	ug/L		06/01/23 15:47	06/02/23 06:35	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		06/01/23 15:47	06/02/23 06:35	1
Fluoranthene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Fluorene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		06/01/23 15:47	06/02/23 06:35	1

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

Lab Sample ID: MB 410-382041/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 382216 **Prep Batch: 382041**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		06/01/23 15:47	06/02/23 06:35	1
Naphthalene	ND		0.070	0.030	ug/L		06/01/23 15:47	06/02/23 06:35	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		06/01/23 15:47	06/02/23 06:35	1
Phenanthrene	ND		0.070	0.030	ug/L		06/01/23 15:47	06/02/23 06:35	1
Pyrene	ND		0.050	0.010	ug/L		06/01/23 15:47	06/02/23 06:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*61*		*33 - 120*	*06/01/23 15:47*	*06/02/23 06:35*	*1*
Benzo(a)pyrene-d12 (Surr)	*78*		*17 - 120*	*06/01/23 15:47*	*06/02/23 06:35*	*1*
Fluoranthene-d10 (Surr)	*77*		*43 - 124*	*06/01/23 15:47*	*06/02/23 06:35*	*1*

Lab Sample ID: LCS 410-382041/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 382216 **Prep Batch: 382041**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.375		ug/L		38	10 - 120
1-Methylnaphthalene	1.00	0.512		ug/L		51	31 - 120
2-Methylnaphthalene	1.00	0.508		ug/L		51	24 - 120
Acenaphthene	1.00	0.586		ug/L		59	42 - 120
Acenaphthylene	1.00	0.609		ug/L		61	41 - 120
Anthracene	1.00	0.703		ug/L		70	48 - 124
Benzo[a]anthracene	1.00	0.709		ug/L		71	50 - 129
Benzo[a]pyrene	1.00	0.745		ug/L		75	49 - 120
Benzo[b]fluoranthene	1.00	0.711		ug/L		71	47 - 131
Benzo[g,h,i]perylene	1.00	0.723		ug/L		72	40 - 132
Benzo[k]fluoranthene	1.00	0.835		ug/L		84	50 - 128
Bis(2-chloroethyl)ether	1.00	0.574		ug/L		57	15 - 163
Bis(2-ethylhexyl) phthalate	1.00	1.04		ug/L		104	27 - 158
Butylbenzylphthalate	1.00	0.638	J	ug/L		64	10 - 134
Chrysene	1.00	0.686		ug/L		69	47 - 121
Dibenz(a,h)anthracene	1.00	0.730		ug/L		73	38 - 136
Dibenzofuran	1.00	0.596		ug/L		60	48 - 124
Diethylphthalate	1.00	0.782	J	ug/L		78	48 - 120
Dimethylphthalate	1.00	0.630	J	ug/L		63	10 - 121
Di-n-butyl phthalate	1.00	0.873	J	ug/L		87	59 - 136
Di-n-octyl phthalate	1.00	0.635	J	ug/L		63	42 - 123
Fluoranthene	1.00	0.713		ug/L		71	47 - 129
Fluorene	1.00	0.637		ug/L		64	46 - 120
Hexachlorobenzene	1.00	0.550		ug/L		55	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.705		ug/L		71	35 - 144
Naphthalene	1.00	0.509		ug/L		51	28 - 120
N-Nitrosodimethylamine	1.00	0.420		ug/L		42	37 - 120
Phenanthrene	1.00	0.658		ug/L		66	48 - 121
Pyrene	1.00	0.643		ug/L		64	46 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*58*		*33 - 120*

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

Lab Sample ID: LCS 410-382041/2-A
Matrix: Water
Analysis Batch: 382216

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 382041

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Benzo(a)pyrene-d12 (Surr)	73		17 - 120
Fluoranthene-d10 (Surr)	73		43 - 124

Lab Sample ID: LCSD 410-382041/3-A
Matrix: Water
Analysis Batch: 382216

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 382041

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.00	0.417		ug/L		42	10 - 120	11	20
1-Methylnaphthalene			1.00	0.477		ug/L		48	31 - 120	7	20
2-Methylnaphthalene			1.00	0.476		ug/L		48	24 - 120	7	20
Acenaphthene			1.00	0.626		ug/L		63	42 - 120	7	20
Acenaphthylene			1.00	0.624		ug/L		62	41 - 120	2	20
Anthracene			1.00	0.793		ug/L		79	48 - 124	12	20
Benzo[a]anthracene			1.00	0.788		ug/L		79	50 - 129	11	20
Benzo[a]pyrene			1.00	0.839		ug/L		84	49 - 120	12	20
Benzo[b]fluoranthene			1.00	0.779		ug/L		78	47 - 131	9	20
Benzo[g,h,i]perylene			1.00	0.776		ug/L		78	40 - 132	7	20
Benzo[k]fluoranthene			1.00	0.914		ug/L		91	50 - 128	9	20
Bis(2-chloroethyl)ether			1.00	0.548		ug/L		55	15 - 163	5	20
Bis(2-ethylhexyl) phthalate			1.00	1.08		ug/L		108	27 - 158	4	20
Butylbenzylphthalate			1.00	0.779	J	ug/L		78	10 - 134	20	20
Chrysene			1.00	0.755		ug/L		76	47 - 121	10	20
Dibenz(a,h)anthracene			1.00	0.787		ug/L		79	38 - 136	7	20
Dibenzofuran			1.00	0.629		ug/L		63	48 - 124	5	20
Diethylphthalate			1.00	0.899	J	ug/L		90	48 - 120	14	20
Dimethylphthalate			1.00	0.760	J	ug/L		76	10 - 121	19	20
Di-n-butyl phthalate			1.00	0.961	J	ug/L		96	59 - 136	10	20
Di-n-octyl phthalate			1.00	0.677	J	ug/L		68	42 - 123	6	20
Fluoranthene			1.00	0.794		ug/L		79	47 - 129	11	20
Fluorene			1.00	0.681		ug/L		68	46 - 120	7	20
Hexachlorobenzene			1.00	0.593		ug/L		59	20 - 120	8	20
Indeno[1,2,3-cd]pyrene			1.00	0.770		ug/L		77	35 - 144	9	20
Naphthalene			1.00	0.490		ug/L		49	28 - 120	4	20
N-Nitrosodimethylamine			1.00	0.386		ug/L		39	37 - 120	9	20
Phenanthrene			1.00	0.726		ug/L		73	48 - 121	10	20
Pyrene			1.00	0.734		ug/L		73	46 - 122	13	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Methylnaphthalene-d10 (Surr)	51		33 - 120
Benzo(a)pyrene-d12 (Surr)	79		17 - 120
Fluoranthene-d10 (Surr)	78		43 - 124

GC/MS VOA

Analysis Batch: 380934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1	FBS010_052023	Total/NA	Water	8260C	
410-127407-2	Dup-01_052023	Total/NA	Water	8260C	
410-127407-3	FBW001_052023	Total/NA	Water	8260C	
410-127407-4	FB-01_052023	Total/NA	Water	8260C	
410-127407-5	Trip Blank-01_052023	Total/NA	Water	8260C	
MB 410-380934/7	Method Blank	Total/NA	Water	8260C	
LCS 410-380934/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 410-380934/5	Lab Control Sample Dup	Total/NA	Water	8260C	
410-127407-3 MS	FBW001-MS_052023	Total/NA	Water	8260C	
410-127407-3 MSD	FBW001-MSD_052023	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 380061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1 - RA	FBS010_052023	Total/NA	Water	3510C	
410-127407-1	FBS010_052023	Total/NA	Water	3510C	
410-127407-2	Dup-01_052023	Total/NA	Water	3510C	
410-127407-3	FBW001_052023	Total/NA	Water	3510C	
410-127407-4	FB-01_052023	Total/NA	Water	3510C	
MB 410-380061/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-380061/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-380061/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-127407-3 MS	FBW001-MS_052023	Total/NA	Water	3510C	
410-127407-3 MSD	FBW001-MSD_052023	Total/NA	Water	3510C	

Prep Batch: 380068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1	FBS010_052023	Total/NA	Water	3510C	
410-127407-2	Dup-01_052023	Total/NA	Water	3510C	
410-127407-3	FBW001_052023	Total/NA	Water	3510C	
410-127407-4	FB-01_052023	Total/NA	Water	3510C	
MB 410-380068/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-380068/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-380068/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-127407-3 MS	FBW001-MS_052023	Total/NA	Water	3510C	
410-127407-3 MSD	FBW001-MSD_052023	Total/NA	Water	3510C	

Analysis Batch: 380221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1	FBS010_052023	Total/NA	Water	8270D SIM	380061
410-127407-2	Dup-01_052023	Total/NA	Water	8270D SIM	380061
410-127407-3	FBW001_052023	Total/NA	Water	8270D SIM	380061
410-127407-4	FB-01_052023	Total/NA	Water	8270D SIM	380061
MB 410-380061/1-A	Method Blank	Total/NA	Water	8270D SIM	380061
LCS 410-380061/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	380061
LCSD 410-380061/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	380061
410-127407-3 MS	FBW001-MS_052023	Total/NA	Water	8270D SIM	380061
410-127407-3 MSD	FBW001-MSD_052023	Total/NA	Water	8270D SIM	380061

GC/MS Semi VOA

Analysis Batch: 380338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1	FBS010_052023	Total/NA	Water	8270D	380068
410-127407-2	Dup-01_052023	Total/NA	Water	8270D	380068
410-127407-3	FBW001_052023	Total/NA	Water	8270D	380068
410-127407-4	FB-01_052023	Total/NA	Water	8270D	380068
MB 410-380068/1-A	Method Blank	Total/NA	Water	8270D	380068
LCS 410-380068/2-A	Lab Control Sample	Total/NA	Water	8270D	380068
LCSD 410-380068/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	380068
410-127407-3 MS	FBW001-MS_052023	Total/NA	Water	8270D	380068
410-127407-3 MSD	FBW001-MSD_052023	Total/NA	Water	8270D	380068

Analysis Batch: 380829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1 - RA	FBS010_052023	Total/NA	Water	8270D SIM	380061

Prep Batch: 382041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-2 - RE	Dup-01_052023	Total/NA	Water	3510C	
MB 410-382041/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-382041/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-382041/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 382042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1 - RE	FBS010_052023	Total/NA	Water	3510C	
410-127407-2 - RE	Dup-01_052023	Total/NA	Water	3510C	
410-127407-3 - RE	FBW001_052023	Total/NA	Water	3510C	
410-127407-4 - RE	FB-01_052023	Total/NA	Water	3510C	
MB 410-382042/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-382042/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-382042/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-127407-3 MS - RE	FBW001-MS_052023	Total/NA	Water	3510C	
410-127407-3 MSD - RE	FBW001-MSD_052023	Total/NA	Water	3510C	

Analysis Batch: 382151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1 - RE	FBS010_052023	Total/NA	Water	8270D	382042
410-127407-2 - RE	Dup-01_052023	Total/NA	Water	8270D	382042
410-127407-3 - RE	FBW001_052023	Total/NA	Water	8270D	382042
410-127407-4 - RE	FB-01_052023	Total/NA	Water	8270D	382042
MB 410-382042/1-A	Method Blank	Total/NA	Water	8270D	382042
LCS 410-382042/2-A	Lab Control Sample	Total/NA	Water	8270D	382042
LCSD 410-382042/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	382042
410-127407-3 MS - RE	FBW001-MS_052023	Total/NA	Water	8270D	382042
410-127407-3 MSD - RE	FBW001-MSD_052023	Total/NA	Water	8270D	382042

Analysis Batch: 382216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-2 - RE	Dup-01_052023	Total/NA	Water	8270D SIM	382041
MB 410-382041/1-A	Method Blank	Total/NA	Water	8270D SIM	382041
LCS 410-382041/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	382041
LCSD 410-382041/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	382041

Lab Chronicle

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FBS010_052023 — Lab Sample ID: 410-127407-1

Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	380934	ULCP	ELLE	05/30/23 15:06
Total/NA	Prep	3510C	RE		382042	T9CY	ELLE	06/01/23 15:50
Total/NA	Analysis	8270D	RE	1	382151	AH7C	ELLE	06/02/23 00:56
Total/NA	Prep	3510C			380068	T9CY	ELLE	05/25/23 15:30
Total/NA	Analysis	8270D		1	380338	GLQ9	ELLE	05/26/23 14:32
Total/NA	Prep	3510C	RA		380061	T9CY	ELLE	05/25/23 15:27
Total/NA	Analysis	8270D SIM	RA	1	380829	UJM0	ELLE	05/30/23 07:38
Total/NA	Prep	3510C			380061	T9CY	ELLE	05/25/23 15:27
Total/NA	Analysis	8270D SIM		1	380221	SJ89	ELLE	05/26/23 10:22

Client Sample ID: Dup-01_052023 — Lab Sample ID: 410-127407-2

Date Collected: 05/18/23 12:00 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	380934	ULCP	ELLE	05/30/23 15:29
Total/NA	Prep	3510C	RE		382042	T9CY	ELLE	06/01/23 15:50
Total/NA	Analysis	8270D	RE	1	382151	AH7C	ELLE	06/02/23 01:16
Total/NA	Prep	3510C			380068	T9CY	ELLE	05/25/23 15:30
Total/NA	Analysis	8270D		1	380338	GLQ9	ELLE	05/26/23 14:51
Total/NA	Prep	3510C	RE		382041	T9CY	ELLE	06/01/23 15:47
Total/NA	Analysis	8270D SIM	RE	1	382216	UJM0	ELLE	06/02/23 07:40
Total/NA	Prep	3510C			380061	T9CY	ELLE	05/25/23 15:27
Total/NA	Analysis	8270D SIM		1	380221	SJ89	ELLE	05/26/23 10:43

Client Sample ID: FBW001_052023 — Lab Sample ID: 410-127407-3

Date Collected: 05/18/23 10:43 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	380934	ULCP	ELLE	05/30/23 13:59
Total/NA	Prep	3510C	RE		382042	T9CY	ELLE	06/01/23 15:50
Total/NA	Analysis	8270D	RE	1	382151	AH7C	ELLE	06/02/23 01:36
Total/NA	Prep	3510C			380068	T9CY	ELLE	05/25/23 15:30
Total/NA	Analysis	8270D		1	380338	GLQ9	ELLE	05/26/23 15:10
Total/NA	Prep	3510C			380061	T9CY	ELLE	05/25/23 15:27
Total/NA	Analysis	8270D SIM		1	380221	SJ89	ELLE	05/26/23 07:50

Client Sample ID: FB-01_052023 — Lab Sample ID: 410-127407-4

Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	380934	ULCP	ELLE	05/30/23 13:14

Lab Chronicle

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FB-01_052023 Lab Sample ID: 410-127407-4

Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C	RE		382042	T9CY	ELLE	06/01/23 15:50
Total/NA	Analysis	8270D	RE	1	382151	AH7C	ELLE	06/02/23 02:37
Total/NA	Prep	3510C			380068	T9CY	ELLE	05/25/23 15:30
Total/NA	Analysis	8270D		1	380338	GLQ9	ELLE	05/26/23 16:08
Total/NA	Prep	3510C			380061	T9CY	ELLE	05/25/23 15:27
Total/NA	Analysis	8270D SIM		1	380221	SJ89	ELLE	05/26/23 11:05

Client Sample ID: Trip Blank-01_052023 Lab Sample ID: 410-127407-5

Date Collected: 05/18/23 00:00 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	380934	ULCP	ELLE	05/30/23 13:36

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: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

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

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

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: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

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: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-127407-1	FBS010_052023	Water	05/18/23 11:00	05/19/23 10:05
410-127407-2	Dup-01_052023	Water	05/18/23 12:00	05/19/23 10:05
410-127407-3	FBW001_052023	Water	05/18/23 10:43	05/19/23 10:05
410-127407-4	FB-01_052023	Water	05/18/23 11:00	05/19/23 10:05
410-127407-5	Trip Blank-01_052023	Water	05/18/23 00:00	05/19/23 10:05

ironme

410-127407 Chain of Custody

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):	COC No: 410-88189-14132.1
Company: Environmental Works, Inc.	Phone:	E-Mail: Nicole Brown@et.eurofinsus.com	State of Origin: MO	Page: Page 1 of 1
Address: 1455 East Chestnut Expressway	PWSID:	Analysis Requested		Job #:
City: Springfield	Due Date Requested:			
State, Zip: MO, 65802	TAT Requested (days): Standard (10-Day)			
Phone: 406-457-2142(Tel)	Compliance Project: Δ Yes Δ No			
Email: ~~Kkincannon@environmentalworks.com~~ rrhoward@environmentalworks.com	PO #: SPRINGFIELD, MO			
Project Name: Springfield, MO: 2Q2023 Public Well Sampling	WO #:			
Site:	Project #: 41006923			
	SSOW#:			

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:

Cooler #1

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_052023	5/1/23	1100	G	Water			3	4	7	Cooler #1
Dup-01_052023	5/1/23	1200	G	Water			3	4	7	
FBW001_052023	5/1/23	1043	G	Water			3	4	7	
FBW001-MS_052023	5/1/23	1043	G	Water			3	4	7	
FBW001-MSD_052023	5/1/23	1043	G	Water			3	4	7	
FB-01_052023	5/1/23	1100	G	Water			3	4	7	
				Water						
Trip Blank-01-052023	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: 5-5-23 11:05	Company: EALE	Received by:	Date/Time: 05/10/23 @ 1200	Company: EWI		
Relinquished by:	Date/Time: 05/18/23@1300	Company: EWI	Received by:	Date/Time:	Company:		
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 5-9-23 1005	Company: EALE		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: RAW: 1.2 COR: 1.2

Login Sample Receipt Checklist

Client: Environmental Works, Inc. Job Number: 410-127407-1

Login Number: 127407 **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.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/26/2023 12:00 PM Revision 2

JOB DESCRIPTION

Springfield, MO: 2Q2023 Public Well Sampling

JOB NUMBER

410-127407-1

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

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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
7/26/2023 12:00 PM
Revision 2

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 VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
cn	Refer to Case Narrative for further detail
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

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
410-127407-1

REVISION
The report being provided is a revision of the original report sent on 6/5/2023. The report (revision 2) is being revised due to change the relative percent difference limits to reflect 20% for both 8260 and 8270 methods.

Report revision history:
Revision 1 - 6/12/2023 - Reason - The report (revision 1) was revised to add narration regarding relative percent difference out of control limits for VOCs and SVOCs.

Receipt
The samples were received on 5/19/2023 10:05 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 1.2°C

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed on 410-380934 is compliant under 8260C/D method criteria for Carbon disulfide . The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 410-380934 was outside control limits for Methyl acetate. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 410-380338 recovered above the upper control limit for 2,4-Dinitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: FBS010_052023 (410-127407-1), Dup-01_052023 (410-127407-2), FBW001_052023 (410-127407-3) and FB-01_052023 (410-127407-4).

Method 8270D: The laboratory control sample (LCS) for preparation batch 410-380068 and analytical batch 410-380338 recovered outside control limits for the following analytes: 2,4-Dimethylphenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Method 8270D: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 410-380068 and analytical batch 410-380338 recovered outside control limits for the following analytes: Phenol. RPDs exceeded project specific limits, but were within method limits for Phenol .

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-380221 recovered above the upper control limit for Butylbenzylphthalate, Di-n-octyl phthalate and N-Nitrosodimethylamine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples is: FBS010_052023 (410-127407-1).

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-380221 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate, Butylbenzylphthalate, Di-n-octyl phthalate and N-Nitrosodimethylamine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: Dup-01_052023 (410-127407-2), FBW001_052023 (410-127407-3) and FB-01_052023 (410-127407-4).

Method 8270D_SIM: Surrogate recovery for the following sample was outside control limits: Dup-01_052023 (410-127407-2). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both trials are reported.

Method 8270D_SIM: The matrix spike / matrix spike duplicate (MS/MSD) RPDs for preparation batch 410-380061 and analytical batch 410-380221 was outside control limits. RPDs exceeded project specific limits, but were within method limits. The data is 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: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FBS010_052023 Lab Sample ID: 410-127407-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	0.42	J	5.0	0.30	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.063	J	1.0	0.050	ug/L	1		8270D SIM	Total/NA
Bis(2-ethylhexyl) phthalate - RA	0.50	J	1.0	0.050	ug/L	1		8270D SIM	Total/NA

Client Sample ID: Dup-01_052023 Lab Sample ID: 410-127407-2

No Detections.

Client Sample ID: FBW001_052023 Lab Sample ID: 410-127407-3

No Detections.

Client Sample ID: FB-01_052023 Lab Sample ID: 410-127407-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.98	J	1.0	0.30	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.078	J	1.0	0.051	ug/L	1		8270D SIM	Total/NA

Client Sample ID: Trip Blank-01_052023 Lab Sample ID: 410-127407-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: FBS010_052023 Lab Sample ID: 410-127407-1

Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 15:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,2,4-Trichlorobenzene	**0.42**	**J**	5.0	0.30	ug/L			05/30/23 15:06	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 15:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 15:06	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 15:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 15:06	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 15:06	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 15:06	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 15:06	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 15:06	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 15:06	1
Acetone	ND		20	0.70	ug/L			05/30/23 15:06	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 15:06	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			05/30/23 15:06	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Chloroform	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 15:06	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 15:06	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 15:06	1
Freon 113	ND		10	0.30	ug/L			05/30/23 15:06	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 15:06	1
Methyl acetate	ND	cn	5.0	0.30	ug/L			05/30/23 15:06	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 15:06	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 15:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 15:06	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 15:06	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:06	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 15:06	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/30/23 15:06	1

Client Sample ID: FBS010_052023 **Lab Sample ID: 410-127407-1**
Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/30/23 15:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/30/23 15:06*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*05/30/23 15:06*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/30/23 15:06*	*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		05/25/23 15:27	05/26/23 10:22	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Acenaphthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Acenaphthylene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Anthracene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Butylbenzylphthalate	ND	cn	1.0	0.050	ug/L		05/25/23 15:27	05/26/23 10:22	1
Chrysene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Dibenzofuran	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Diethylphthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 10:22	1
Dimethylphthalate	ND	*1	1.0	0.050	ug/L		05/25/23 15:27	05/26/23 10:22	1
Di-n-butyl phthalate	**0.063**	**J**	1.0	0.050	ug/L		05/25/23 15:27	05/26/23 10:22	1
Di-n-octyl phthalate	ND	cn	1.0	0.050	ug/L		05/25/23 15:27	05/26/23 10:22	1
Fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Fluorene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Naphthalene	ND		0.070	0.030	ug/L		05/25/23 15:27	05/26/23 10:22	1
N-Nitrosodimethylamine	ND	cn	0.050	0.020	ug/L		05/25/23 15:27	05/26/23 10:22	1
Phenanthrene	ND		0.070	0.030	ug/L		05/25/23 15:27	05/26/23 10:22	1
Pyrene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*57*		*33 - 120*	*05/25/23 15:27*	*05/26/23 10:22*	*1*
Benzo(a)pyrene-d12 (Surr)	*70*		*17 - 120*	*05/25/23 15:27*	*05/26/23 10:22*	*1*
Fluoranthene-d10 (Surr)	*76*		*43 - 124*	*05/25/23 15:27*	*05/26/23 10:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.50**	**J**	1.0	0.050	ug/L		05/25/23 15:27	05/30/23 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*51*		*33 - 120*	*05/25/23 15:27*	*05/30/23 07:38*	*1*
Benzo(a)pyrene-d12 (Surr)	*63*		*17 - 120*	*05/25/23 15:27*	*05/30/23 07:38*	*1*

Client Sample ID: FBS010_052023 — Lab Sample ID: 410-127407-1

Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*64*		*43 - 124*	*05/25/23 15:27*	*05/30/23 07:38*	*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		05/25/23 15:30	05/26/23 14:32	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		05/25/23 15:30	05/26/23 14:32	1
2-Chlorophenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 14:32	1
Carbazole	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 14:32	1
Phenol	ND	cn	2	0.5	ug/L		05/25/23 15:30	05/26/23 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*13 - 138*	*05/25/23 15:30*	*05/26/23 14:32*	*1*
2-Fluorobiphenyl (Surr)	*57*		*44 - 120*	*05/25/23 15:30*	*05/26/23 14:32*	*1*
2-Fluorophenol (Surr)	*29*		*10 - 120*	*05/25/23 15:30*	*05/26/23 14:32*	*1*
Nitrobenzene-d5 (Surr)	*46*		*31 - 120*	*05/25/23 15:30*	*05/26/23 14:32*	*1*
Phenol-d5 (Surr)	*18*		*10 - 120*	*05/25/23 15:30*	*05/26/23 14:32*	*1*
p-Terphenyl-d14 (Surr)	*79*		*30 - 125*	*05/25/23 15:30*	*05/26/23 14:32*	*1*

Client Sample ID: Dup-01_052023 — Lab Sample ID: 410-127407-2

Date Collected: 05/18/23 12:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 15:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 15:29	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 15:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 15:29	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 15:29	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 15:29	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 15:29	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 15:29	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 15:29	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 15:29	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 15:29	1
Acetone	ND		20	0.70	ug/L			05/30/23 15:29	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 15:29	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			05/30/23 15:29	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 15:29	1

Client Sample ID: Dup-01_052023 Lab Sample ID: 410-127407-2

Date Collected: 05/18/23 12:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Chloroform	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 15:29	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:29	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 15:29	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 15:29	1
Freon 113	ND		10	0.30	ug/L			05/30/23 15:29	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 15:29	1
Methyl acetate	ND	cn	5.0	0.30	ug/L			05/30/23 15:29	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 15:29	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 15:29	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 15:29	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 15:29	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 15:29	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/30/23 15:29	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/30/23 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/30/23 15:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/30/23 15:29*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*05/30/23 15:29*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/30/23 15:29*	*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	cn	0.30	0.10	ug/L		05/25/23 15:27	05/26/23 10:43	1
1-Methylnaphthalene	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
2-Methylnaphthalene	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Acenaphthene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Acenaphthylene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Anthracene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Benzo[a]anthracene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Benzo[a]pyrene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Benzo[b]fluoranthene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Benzo[g,h,i]perylene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Benzo[k]fluoranthene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Bis(2-chloroethyl)ether	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Chrysene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Dibenz(a,h)anthracene	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Dibenzofuran	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1

Client Sample ID: Dup-01_052023 — Lab Sample ID: 410-127407-2

Date Collected: 05/18/23 12:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethylphthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Dimethylphthalate	ND	*1 cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Di-n-butyl phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Di-n-octyl phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 10:43	1
Fluoranthene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Fluorene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1
Hexachlorobenzene	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Indeno[1,2,3-cd]pyrene	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Naphthalene	ND	cn	0.071	0.030	ug/L		05/25/23 15:27	05/26/23 10:43	1
N-Nitrosodimethylamine	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 10:43	1
Phenanthrene	ND	cn	0.071	0.030	ug/L		05/25/23 15:27	05/26/23 10:43	1
Pyrene	ND	cn	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*18*	*S1- cn*	*33 - 120*	*05/25/23 15:27*	*05/26/23 10:43*	*1*
Benzo(a)pyrene-d12 (Surr)	*22*	*cn*	*17 - 120*	*05/25/23 15:27*	*05/26/23 10:43*	*1*
Fluoranthene-d10 (Surr)	*31*	*S1- cn*	*43 - 124*	*05/25/23 15:27*	*05/26/23 10:43*	*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		05/25/23 15:30	05/26/23 14:51	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		05/25/23 15:30	05/26/23 14:51	1
2-Chlorophenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 14:51	1
Carbazole	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 14:51	1
Phenol	ND	cn	2	0.5	ug/L		05/25/23 15:30	05/26/23 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*19*		*13 - 138*	*05/25/23 15:30*	*05/26/23 14:51*	*1*
2-Fluorobiphenyl (Surr)	*20*	*S1-*	*44 - 120*	*05/25/23 15:30*	*05/26/23 14:51*	*1*
2-Fluorophenol (Surr)	*6*	*S1-*	*10 - 120*	*05/25/23 15:30*	*05/26/23 14:51*	*1*
Nitrobenzene-d5 (Surr)	*12*	*S1-*	*31 - 120*	*05/25/23 15:30*	*05/26/23 14:51*	*1*
Phenol-d5 (Surr)	*4*	*S1-*	*10 - 120*	*05/25/23 15:30*	*05/26/23 14:51*	*1*
p-Terphenyl-d14 (Surr)	*28*	*S1-*	*30 - 125*	*05/25/23 15:30*	*05/26/23 14:51*	*1*

Client Sample ID: FBW001_052023 — Lab Sample ID: 410-127407-3

Date Collected: 05/18/23 10:43 **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 13:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 13:59	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:59	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:59	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:59	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 13:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 13:59	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 13:59	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:59	1

Client Sample ID: FBW001_052023 — Lab Sample ID: 410-127407-3

Date Collected: 05/18/23 10:43 — **Matrix: Water**
Date Received: 05/19/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 13:59	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 13:59	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 13:59	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:59	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 13:59	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 13:59	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 13:59	1
Acetone	ND		20	0.70	ug/L			05/30/23 13:59	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 13:59	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			05/30/23 13:59	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Chloroform	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 13:59	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 13:59	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 13:59	1
Freon 113	ND		10	0.30	ug/L			05/30/23 13:59	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 13:59	1
Methyl acetate	ND	F2 cn	5.0	0.30	ug/L			05/30/23 13:59	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 13:59	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 13:59	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 13:59	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 13:59	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:59	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/30/23 13:59	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/30/23 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/30/23 13:59*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/30/23 13:59*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/30/23 13:59*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/30/23 13:59*	*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		0.31	0.10	ug/L		05/25/23 15:27	05/26/23 07:50	1
1-Methylnaphthalene	ND		0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1

Client Sample ID: FBW001_052023 **Lab Sample ID: 410-127407-3**
Date Collected: 05/18/23 10:43 **Matrix: Water**
Date Received: 05/19/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND	F2	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Acenaphthene	ND	F2	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Acenaphthylene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Anthracene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Benzo[a]anthracene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Benzo[a]pyrene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Benzo[b]fluoranthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Benzo[g,h,i]perylene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Benzo[k]fluoranthene	ND	F2	0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Bis(2-chloroethyl)ether	ND		0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Bis(2-ethylhexyl) phthalate	ND	F2 cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Chrysene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Dibenz(a,h)anthracene	ND		0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Dibenzofuran	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Diethylphthalate	ND		1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Dimethylphthalate	ND	*1	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Di-n-butyl phthalate	ND		1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Di-n-octyl phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 07:50	1
Fluoranthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Fluorene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1
Hexachlorobenzene	ND		0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Naphthalene	ND		0.071	0.031	ug/L		05/25/23 15:27	05/26/23 07:50	1
N-Nitrosodimethylamine	ND	cn	0.051	0.020	ug/L		05/25/23 15:27	05/26/23 07:50	1
Phenanthrene	ND		0.071	0.031	ug/L		05/25/23 15:27	05/26/23 07:50	1
Pyrene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 07:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*38*		*33 - 120*	*05/25/23 15:27*	*05/26/23 07:50*	*1*
Benzo(a)pyrene-d12 (Surr)	*56*		*17 - 120*	*05/25/23 15:27*	*05/26/23 07:50*	*1*
Fluoranthene-d10 (Surr)	*53*		*43 - 124*	*05/25/23 15:27*	*05/26/23 07:50*	*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		05/25/23 15:30	05/26/23 15:10	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		05/25/23 15:30	05/26/23 15:10	1
2-Chlorophenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 15:10	1
Carbazole	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 15:10	1
Phenol	ND	cn	2	0.5	ug/L		05/25/23 15:30	05/26/23 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*13 - 138*	*05/25/23 15:30*	*05/26/23 15:10*	*1*
2-Fluorobiphenyl (Surr)	*40*	*S1-*	*44 - 120*	*05/25/23 15:30*	*05/26/23 15:10*	*1*
2-Fluorophenol (Surr)	*29*		*10 - 120*	*05/25/23 15:30*	*05/26/23 15:10*	*1*
Nitrobenzene-d5 (Surr)	*32*		*31 - 120*	*05/25/23 15:30*	*05/26/23 15:10*	*1*
Phenol-d5 (Surr)	*19*		*10 - 120*	*05/25/23 15:30*	*05/26/23 15:10*	*1*
p-Terphenyl-d14 (Surr)	*68*		*30 - 125*	*05/25/23 15:30*	*05/26/23 15:10*	*1*

Client Sample ID: FB-01_052023 — Lab Sample ID: 410-127407-4

Date Collected: 05/18/23 11:00 — **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 13:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:14	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 13:14	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 13:14	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 13:14	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 13:14	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 13:14	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:14	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 13:14	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 13:14	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 13:14	1
Acetone	ND		20	0.70	ug/L			05/30/23 13:14	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 13:14	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			05/30/23 13:14	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Chloroform	**0.98**	**J**	1.0	0.30	ug/L			05/30/23 13:14	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 13:14	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 13:14	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 13:14	1
Freon 113	ND		10	0.30	ug/L			05/30/23 13:14	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 13:14	1
Methyl acetate	ND	cn	5.0	0.30	ug/L			05/30/23 13:14	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 13:14	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 13:14	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 13:14	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 13:14	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:14	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 13:14	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/30/23 13:14	1

Client Sample ID: FB-01_052023 — Lab Sample ID: 410-127407-4

Date Collected: 05/18/23 11:00 — **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/30/23 13:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/30/23 13:14*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/30/23 13:14*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/30/23 13:14*	*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		0.31	0.10	ug/L		05/25/23 15:27	05/26/23 11:05	1
1-Methylnaphthalene	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
2-Methylnaphthalene	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Acenaphthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Acenaphthylene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Anthracene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Benzo[a]anthracene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Benzo[a]pyrene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Benzo[b]fluoranthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Benzo[g,h,i]perylene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Benzo[k]fluoranthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Bis(2-chloroethyl)ether	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Chrysene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Dibenz(a,h)anthracene	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Dibenzofuran	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Diethylphthalate	ND		1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Dimethylphthalate	ND	*1	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Di-n-butyl phthalate	**0.078**	**J**	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Di-n-octyl phthalate	ND	cn	1.0	0.051	ug/L		05/25/23 15:27	05/26/23 11:05	1
Fluoranthene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Fluorene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1
Hexachlorobenzene	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Naphthalene	ND		0.072	0.031	ug/L		05/25/23 15:27	05/26/23 11:05	1
N-Nitrosodimethylamine	ND	cn	0.051	0.021	ug/L		05/25/23 15:27	05/26/23 11:05	1
Phenanthrene	ND		0.072	0.031	ug/L		05/25/23 15:27	05/26/23 11:05	1
Pyrene	ND		0.051	0.010	ug/L		05/25/23 15:27	05/26/23 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*56*		*33 - 120*	*05/25/23 15:27*	*05/26/23 11:05*	*1*
Benzo(a)pyrene-d12 (Surr)	*67*		*17 - 120*	*05/25/23 15:27*	*05/26/23 11:05*	*1*
Fluoranthene-d10 (Surr)	*71*		*43 - 124*	*05/25/23 15:27*	*05/26/23 11:05*	*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		05/25/23 15:30	05/26/23 16:08	1
2,4-Dinitrophenol	ND	cn	30	10	ug/L		05/25/23 15:30	05/26/23 16:08	1
2-Chlorophenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 16:08	1

Client Sample ID: FB-01_052023 — Lab Sample ID: 410-127407-4

Date Collected: 05/18/23 11:00 — **Matrix: Water**
Date Received: 05/19/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 16:08	1
Phenol	ND	cn	2	0.5	ug/L		05/25/23 15:30	05/26/23 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*13 - 138*	*05/25/23 15:30*	*05/26/23 16:08*	*1*
2-Fluorobiphenyl (Surr)	*59*		*44 - 120*	*05/25/23 15:30*	*05/26/23 16:08*	*1*
2-Fluorophenol (Surr)	*28*		*10 - 120*	*05/25/23 15:30*	*05/26/23 16:08*	*1*
Nitrobenzene-d5 (Surr)	*46*		*31 - 120*	*05/25/23 15:30*	*05/26/23 16:08*	*1*
Phenol-d5 (Surr)	*18*		*10 - 120*	*05/25/23 15:30*	*05/26/23 16:08*	*1*
p-Terphenyl-d14 (Surr)	*82*		*30 - 125*	*05/25/23 15:30*	*05/26/23 16:08*	*1*

Client Sample ID: Trip Blank-01_052023 — Lab Sample ID: 410-127407-5

Date Collected: 05/18/23 00:00 — **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 13:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:36	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 13:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 13:36	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 13:36	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 13:36	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 13:36	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 13:36	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 13:36	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 13:36	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 13:36	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 13:36	1
Acetone	ND		20	0.70	ug/L			05/30/23 13:36	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 13:36	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			05/30/23 13:36	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Chloroform	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 13:36	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 13:36	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 13:36	1

Client Sample ID: Trip Blank-01_052023 **Lab Sample ID: 410-127407-5**
Date Collected: 05/18/23 00:00 **Matrix: Water**
Date Received: 05/19/23 10:05

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			05/30/23 13:36	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 13:36	1
Freon 113	ND		10	0.30	ug/L			05/30/23 13:36	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 13:36	1
Methyl acetate	ND	cn	5.0	0.30	ug/L			05/30/23 13:36	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 13:36	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 13:36	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 13:36	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 13:36	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 13:36	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/30/23 13:36	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/30/23 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*05/30/23 13:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/30/23 13:36*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/30/23 13:36*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/30/23 13:36*	*1*

Action Limit Summary

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FBS010_052023 Lab Sample ID: 410-127407-1

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		ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA

Client Sample ID: Dup-01_052023 Lab Sample ID: 410-127407-2

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	ND	cn	ug/L	36	0.051	8270D SIM	Total/NA
Acenaphthene	ND	cn	ug/L	1200	0.051	8270D SIM	Total/NA
Anthracene	ND	cn	ug/L	9600	0.051	8270D SIM	Total/NA
Benzo[a]anthracene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[a]pyrene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[b]fluoranthene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Benzo[k]fluoranthene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Chrysene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Dibenz(a,h)anthracene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Dibenzofuran	ND	cn	ug/L	7.9	0.051	8270D SIM	Total/NA
Fluoranthene	ND	cn	ug/L	300	0.051	8270D SIM	Total/NA
Fluorene	ND	cn	ug/L	1300	0.051	8270D SIM	Total/NA

Client Sample ID: Dup-01_052023 (Continued) Lab Sample ID: 410-127407-2

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	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Naphthalene	ND	cn	ug/L	20	0.071	8270D SIM	Total/NA
Pyrene	ND	cn	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		ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA

Client Sample ID: FBW001_052023 Lab Sample ID: 410-127407-3

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	F2	ug/L	36	0.051	8270D SIM	Total/NA
Acenaphthene	ND	F2	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	F2	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		ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA

Client Sample ID: FB-01_052023 Lab Sample ID: 410-127407-4

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_052023 (Continued) Lab Sample ID: 410-127407-4

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	0.072	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		ug/L	0.5	2	8270D	Total/NA
Phenol	ND	cn	ug/L	300	2	8270D	Total/NA

Client Sample ID: Trip Blank-01_052023 Lab Sample ID: 410-127407-5

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

Default Detection Limits

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

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: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

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: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

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)
410-127407-1	FBS010_052023	104	99	103	99
410-127407-2	Dup-01_052023	105	100	103	99
410-127407-3	FBW001_052023	104	98	104	98
410-127407-3 MS	FBW001-MS_052023	105	98	103	100
410-127407-3 MSD	FBW001-MSD_052023	107	100	103	101
410-127407-4	FB-01_052023	106	99	105	96
410-127407-5	Trip Blank-01_052023	108	101	105	98
LCS 410-380934/4	Lab Control Sample	102	100	101	101
LCSD 410-380934/5	Lab Control Sample Dup	101	101	102	101
MB 410-380934/7	Method Blank	105	101	102	98

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	(13-138)	(44-120)	(10-120)	(31-120)	(10-120)	(30-125)
410-127407-1	FBS010_052023	64	57	29	46	18	79
410-127407-2	Dup-01_052023	19	20 S1-	6 S1-	12 S1-	4 S1-	28 S1-
410-127407-3	FBW001_052023	54	40 S1-	29	32	19	68
410-127407-3 MS	FBW001-MS_052023	64	69	35	54	25	77
410-127407-3 MSD	FBW001-MSD_052023	67	65	42	53	28	79
410-127407-4	FB-01_052023	58	59	28	46	18	82
LCS 410-380068/2-A	Lab Control Sample	63	50	38	38	26	69
LCSD 410-380068/3-A	Lab Control Sample Dup	69	48	44	38	32	79
MB 410-380068/1-A	Method Blank	53	48	27	35	18	73

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	(33-120)	(17-120)	(43-124)
410-127407-1	FBS010_052023	57	70	76
410-127407-1 - RA	FBS010_052023	51	63	64
410-127407-2	Dup-01_052023	18 S1- cn	22 cn	31 S1- cn
410-127407-3	FBW001_052023	38	56	53

Surrogate Summary

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

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	(33-120)	(17-120)	(43-124)
410-127407-3 MS	FBW001-MS_052023	63 cn	76 cn	82 cn
410-127407-3 MSD	FBW001-MSD_052023	54 cn	66 cn	71 cn
410-127407-4	FB-01_052023	56	67	71
LCS 410-380061/2-A	Lab Control Sample	44	69	69
LCSD 410-380061/3-A	Lab Control Sample Dup	58	81	81
MB 410-380061/1-A	Method Blank	45	63	67

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 410-380934/7
Matrix: Water
Analysis Batch: 380934

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			05/30/23 11:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 11:44	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/30/23 11:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/30/23 11:44	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/30/23 11:44	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/30/23 11:44	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/30/23 11:44	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/30/23 11:44	1
2-Butanone	ND		10	0.50	ug/L			05/30/23 11:44	1
2-Hexanone	ND		10	0.85	ug/L			05/30/23 11:44	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/30/23 11:44	1
Acetone	ND		20	0.70	ug/L			05/30/23 11:44	1
Benzene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Bromoform	ND		4.0	1.0	ug/L			05/30/23 11:44	1
Bromomethane	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/30/23 11:44	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Chloroethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Chloroform	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Chloromethane	ND		2.0	0.55	ug/L			05/30/23 11:44	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Cyclohexane	ND		5.0	1.0	ug/L			05/30/23 11:44	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/30/23 11:44	1
Freon 113	ND		10	0.30	ug/L			05/30/23 11:44	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/30/23 11:44	1
Methyl acetate	ND		5.0	0.30	ug/L			05/30/23 11:44	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/30/23 11:44	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Styrene	ND		5.0	0.30	ug/L			05/30/23 11:44	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Toluene	ND		1.0	0.20	ug/L			05/30/23 11:44	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/30/23 11:44	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Trichloroethene	ND		1.0	0.30	ug/L			05/30/23 11:44	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/30/23 11:44	1

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

Lab Sample ID: MB 410-380934/7 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.20	ug/L			05/30/23 11:44	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/30/23 11:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/30/23 11:44*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/30/23 11:44*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/30/23 11:44*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/30/23 11:44*	*1*

Lab Sample ID: LCS 410-380934/4 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	18.7		ug/L		94	67 - 126
1,1,2,2-Tetrachloroethane	20.0	19.8		ug/L		99	72 - 120
1,1,2-Trichloroethane	20.0	20.2		ug/L		101	80 - 120
1,1-Dichloroethane	20.0	21.0		ug/L		105	80 - 120
1,1-Dichloroethene	20.0	20.3		ug/L		101	80 - 131
1,2,4-Trichlorobenzene	20.0	21.3		ug/L		106	63 - 120
1,2,4-Trimethylbenzene	20.0	19.0		ug/L		95	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.0		ug/L		90	47 - 131
1,2-Dibromoethane	20.0	19.9		ug/L		100	77 - 120
1,2-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120
1,2-Dichloroethane	20.0	18.0		ug/L		90	73 - 124
1,2-Dichloropropane	20.0	21.0		ug/L		105	80 - 120
1,3,5-Trimethylbenzene	20.0	19.0		ug/L		95	75 - 120
1,3-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
2-Butanone	250	255		ug/L		102	59 - 135
2-Hexanone	250	267		ug/L		107	56 - 135
4-Methyl-2-pentanone	250	260		ug/L		104	62 - 133
Acetone	250	261		ug/L		104	54 - 157
Benzene	20.0	21.5		ug/L		107	80 - 120
Bromodichloromethane	20.0	19.3		ug/L		96	71 - 120
Bromoform	20.0	19.8		ug/L		99	51 - 120
Bromomethane	20.0	18.9		ug/L		94	53 - 128
Carbon disulfide	20.0	22.6		ug/L		113	65 - 128
Carbon tetrachloride	20.0	19.2		ug/L		96	64 - 134
Chlorobenzene	20.0	19.9		ug/L		100	80 - 120
Chloroethane	20.0	19.4		ug/L		97	55 - 123
Chloroform	20.0	19.6		ug/L		98	80 - 120
Chloromethane	20.0	17.5		ug/L		87	56 - 121
cis-1,2-Dichloroethene	20.0	21.6		ug/L		108	80 - 125
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	75 - 120
Cyclohexane	20.0	20.2		ug/L		101	68 - 126
Dibromochloromethane	20.0	20.4		ug/L		102	71 - 120
Dichlorodifluoromethane	20.0	13.0		ug/L		65	41 - 127

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

Lab Sample ID: LCS 410-380934/4 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene			20.0	19.9		ug/L		100	80 - 120		
Freon 113			20.0	20.1		ug/L		100	73 - 139		
Isopropylbenzene			20.0	20.5		ug/L		102	80 - 120		
Methyl acetate			20.0	24.1		ug/L		120	54 - 136		
Methyl tertiary butyl ether			20.0	20.6		ug/L		103	69 - 122		
Methylcyclohexane			20.0	19.8		ug/L		99	67 - 121		
Methylene Chloride			20.0	21.5		ug/L		108	80 - 120		
Styrene			20.0	19.8		ug/L		99	80 - 120		
Tetrachloroethene			20.0	19.9		ug/L		99	80 - 120		
Toluene			20.0	20.6		ug/L		103	80 - 120		
trans-1,2-Dichloroethene			20.0	21.0		ug/L		105	80 - 126		
trans-1,3-Dichloropropene			20.0	19.1		ug/L		95	67 - 120		
Trichloroethene			20.0	19.6		ug/L		98	80 - 120		
Trichlorofluoromethane			20.0	14.9		ug/L		75	55 - 135		
Vinyl chloride			20.0	17.8		ug/L		89	56 - 120		
Xylenes, Total			60.0	61.1		ug/L		102	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 410-380934/5 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	19.0		ug/L		95	67 - 126	2	20
1,1,2,2-Tetrachloroethane			20.0	18.9		ug/L		95	72 - 120	4	20
1,1,2-Trichloroethane			20.0	20.1		ug/L		101	80 - 120	0	20
1,1-Dichloroethane			20.0	21.3		ug/L		107	80 - 120	2	20
1,1-Dichloroethene			20.0	20.8		ug/L		104	80 - 131	2	20
1,2,4-Trichlorobenzene			20.0	19.0		ug/L		95	63 - 120	11	20
1,2,4-Trimethylbenzene			20.0	18.3		ug/L		91	75 - 120	4	20
1,2-Dibromo-3-Chloropropane			20.0	16.2		ug/L		81	47 - 131	11	20
1,2-Dibromoethane			20.0	20.0		ug/L		100	77 - 120	1	20
1,2-Dichlorobenzene			20.0	18.7		ug/L		94	80 - 120	3	20
1,2-Dichloroethane			20.0	18.4		ug/L		92	73 - 124	2	20
1,2-Dichloropropane			20.0	20.7		ug/L		104	80 - 120	1	20
1,3,5-Trimethylbenzene			20.0	18.5		ug/L		93	75 - 120	2	20
1,3-Dichlorobenzene			20.0	18.7		ug/L		93	80 - 120	5	20
1,4-Dichlorobenzene			20.0	19.8		ug/L		99	80 - 120	3	20
2-Butanone			250	264		ug/L		106	59 - 135	4	20
2-Hexanone			250	265		ug/L		106	56 - 135	1	20
4-Methyl-2-pentanone			250	254		ug/L		102	62 - 133	2	20
Acetone			250	246		ug/L		98	54 - 157	6	20
Benzene			20.0	21.4		ug/L		107	80 - 120	0	20

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

Lab Sample ID: LCSD 410-380934/5 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromodichloromethane			20.0	18.7		ug/L		93	71 - 120	3	20
Bromoform			20.0	19.4		ug/L		97	51 - 120	2	20
Bromomethane			20.0	19.4		ug/L		97	53 - 128	3	20
Carbon disulfide			20.0	22.6		ug/L		113	65 - 128	0	20
Carbon tetrachloride			20.0	19.2		ug/L		96	64 - 134	0	20
Chlorobenzene			20.0	19.8		ug/L		99	80 - 120	0	20
Chloroethane			20.0	19.3		ug/L		96	55 - 123	1	20
Chloroform			20.0	20.1		ug/L		100	80 - 120	3	20
Chloromethane			20.0	16.8		ug/L		84	56 - 121	4	20
cis-1,2-Dichloroethene			20.0	21.8		ug/L		109	80 - 125	1	20
cis-1,3-Dichloropropene			20.0	18.7		ug/L		93	75 - 120	1	20
Cyclohexane			20.0	19.8		ug/L		99	68 - 126	2	20
Dibromochloromethane			20.0	19.9		ug/L		100	71 - 120	2	20
Dichlorodifluoromethane			20.0	12.9		ug/L		64	41 - 127	1	20
Ethylbenzene			20.0	20.3		ug/L		102	80 - 120	2	20
Freon 113			20.0	20.5		ug/L		102	73 - 139	2	20
Isopropylbenzene			20.0	20.6		ug/L		103	80 - 120	0	20
Methyl acetate			20.0	24.7		ug/L		124	54 - 136	3	20
Methyl tertiary butyl ether			20.0	20.7		ug/L		103	69 - 122	0	20
Methylcyclohexane			20.0	20.0		ug/L		100	67 - 121	1	20
Methylene Chloride			20.0	21.4		ug/L		107	80 - 120	1	20
Styrene			20.0	19.9		ug/L		99	80 - 120	1	20
Tetrachloroethene			20.0	20.3		ug/L		101	80 - 120	2	20
Toluene			20.0	20.8		ug/L		104	80 - 120	1	20
trans-1,2-Dichloroethene			20.0	21.2		ug/L		106	80 - 126	1	20
trans-1,3-Dichloropropene			20.0	19.1		ug/L		96	67 - 120	0	20
Trichloroethene			20.0	19.8		ug/L		99	80 - 120	1	20
Trichlorofluoromethane			20.0	15.6		ug/L		78	55 - 135	4	20
Vinyl chloride			20.0	17.1		ug/L		85	56 - 120	4	20
Xylenes, Total			60.0	61.3		ug/L		102	80 - 120	0	20

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

Lab Sample ID: 410-127407-3 MS **Client Sample ID: FBW001-MS_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1-Trichloroethane	ND		20.0	21.2		ug/L		106	67 - 126		
1,1,2,2-Tetrachloroethane	ND		20.0	19.5		ug/L		97	72 - 120		
1,1,2-Trichloroethane	ND		20.0	20.6		ug/L		103	80 - 120		
1,1-Dichloroethane	ND		20.0	22.9		ug/L		115	80 - 120		
1,1-Dichloroethene	ND		20.0	24.2		ug/L		121	80 - 131		
1,2,4-Trichlorobenzene	ND		20.0	19.5		ug/L		97	63 - 120		

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

Lab Sample ID: 410-127407-3 MS **Client Sample ID: FBW001-MS_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	ND		20.0	19.3		ug/L		96	75 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	16.8		ug/L		84	47 - 131
1,2-Dibromoethane	ND		20.0	20.3		ug/L		101	77 - 120
1,2-Dichlorobenzene	ND		20.0	19.6		ug/L		98	80 - 120
1,2-Dichloroethane	ND		20.0	19.2		ug/L		96	73 - 124
1,2-Dichloropropane	ND		20.0	21.9		ug/L		110	80 - 120
1,3,5-Trimethylbenzene	ND		20.0	19.6		ug/L		98	75 - 120
1,3-Dichlorobenzene	ND		20.0	19.8		ug/L		99	80 - 120
1,4-Dichlorobenzene	ND		20.0	21.1		ug/L		105	80 - 120
2-Butanone	ND		250	273		ug/L		109	59 - 135
2-Hexanone	ND		250	263		ug/L		105	56 - 135
4-Methyl-2-pentanone	ND		250	259		ug/L		104	62 - 133
Acetone	ND		250	289		ug/L		115	54 - 157
Benzene	ND		20.0	23.3		ug/L		117	80 - 120
Bromodichloromethane	ND		20.0	20.3		ug/L		101	71 - 120
Bromoform	ND		20.0	19.7		ug/L		99	51 - 120
Bromomethane	ND		20.0	20.7		ug/L		104	53 - 128
Carbon disulfide	ND	cn	20.0	25.6		ug/L		128	65 - 128
Carbon tetrachloride	ND		20.0	22.1		ug/L		111	64 - 134
Chlorobenzene	ND		20.0	21.1		ug/L		105	80 - 120
Chloroethane	ND		20.0	22.1		ug/L		110	55 - 123
Chloroform	ND		20.0	21.8		ug/L		109	80 - 120
Chloromethane	ND		20.0	20.1		ug/L		101	56 - 121
cis-1,2-Dichloroethene	ND		20.0	23.6		ug/L		118	80 - 125
cis-1,3-Dichloropropene	ND		20.0	19.1		ug/L		96	75 - 120
Cyclohexane	ND		20.0	23.4		ug/L		117	68 - 126
Dibromochloromethane	ND		20.0	20.5		ug/L		103	71 - 120
Dichlorodifluoromethane	ND		20.0	16.5		ug/L		82	41 - 127
Ethylbenzene	ND		20.0	21.2		ug/L		106	80 - 120
Freon 113	ND		20.0	24.1		ug/L		120	73 - 139
Isopropylbenzene	ND		20.0	22.1		ug/L		110	80 - 120
Methyl acetate	ND	F2 cn	20.0	25.4		ug/L		127	54 - 136
Methyl tertiary butyl ether	ND		20.0	20.4		ug/L		102	69 - 122
Methylcyclohexane	ND		20.0	23.3		ug/L		116	67 - 121
Methylene Chloride	ND		20.0	23.3		ug/L		117	80 - 120
Styrene	ND		20.0	20.6		ug/L		103	80 - 120
Tetrachloroethene	ND		20.0	22.2		ug/L		111	80 - 120
Toluene	ND		20.0	21.9		ug/L		109	80 - 120
trans-1,2-Dichloroethene	ND		20.0	23.5		ug/L		118	80 - 126
trans-1,3-Dichloropropene	ND		20.0	18.9		ug/L		95	67 - 120
Trichloroethene	ND		20.0	21.6		ug/L		108	80 - 120
Trichlorofluoromethane	ND		20.0	17.9		ug/L		90	55 - 135
Vinyl chloride	ND		20.0	20.3		ug/L		101	56 - 120
Xylenes, Total	ND		60.0	64.5		ug/L		108	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 410-127407-3 MS **Client Sample ID: FBW001-MS_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 410-127407-3 MSD **Client Sample ID: FBW001-MSD_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

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	20.3		ug/L		102	67 - 126	4	20
1,1,2,2-Tetrachloroethane	ND		20.0	18.4		ug/L		92	72 - 120	6	20
1,1,2-Trichloroethane	ND		20.0	20.0		ug/L		100	80 - 120	3	20
1,1-Dichloroethane	ND		20.0	22.2		ug/L		111	80 - 120	3	20
1,1-Dichloroethene	ND		20.0	21.5		ug/L		107	80 - 131	12	20
1,2,4-Trichlorobenzene	ND		20.0	18.9		ug/L		95	63 - 120	3	20
1,2,4-Trimethylbenzene	ND		20.0	18.6		ug/L		93	75 - 120	3	20
1,2-Dibromo-3-Chloropropane	ND		20.0	15.4		ug/L		77	47 - 131	9	20
1,2-Dibromoethane	ND		20.0	19.8		ug/L		99	77 - 120	2	20
1,2-Dichlorobenzene	ND		20.0	18.8		ug/L		94	80 - 120	4	20
1,2-Dichloroethane	ND		20.0	18.2		ug/L		91	73 - 124	5	20
1,2-Dichloropropane	ND		20.0	21.2		ug/L		106	80 - 120	3	20
1,3,5-Trimethylbenzene	ND		20.0	18.9		ug/L		95	75 - 120	3	20
1,3-Dichlorobenzene	ND		20.0	19.1		ug/L		96	80 - 120	3	20
1,4-Dichlorobenzene	ND		20.0	20.1		ug/L		101	80 - 120	5	20
2-Butanone	ND		250	248		ug/L		99	59 - 135	10	20
2-Hexanone	ND		250	249		ug/L		99	56 - 135	6	20
4-Methyl-2-pentanone	ND		250	240		ug/L		96	62 - 133	8	20
Acetone	ND		250	257		ug/L		103	54 - 157	11	20
Benzene	ND		20.0	22.6		ug/L		113	80 - 120	3	20
Bromodichloromethane	ND		20.0	19.1		ug/L		96	71 - 120	6	20
Bromoform	ND		20.0	19.0		ug/L		95	51 - 120	4	20
Bromomethane	ND		20.0	20.6		ug/L		103	53 - 128	1	20
Carbon disulfide	ND	cn	20.0	23.2		ug/L		116	65 - 128	10	20
Carbon tetrachloride	ND		20.0	20.8		ug/L		104	64 - 134	6	20
Chlorobenzene	ND		20.0	20.3		ug/L		102	80 - 120	4	20
Chloroethane	ND		20.0	21.6		ug/L		108	55 - 123	2	20
Chloroform	ND		20.0	21.0		ug/L		105	80 - 120	4	20
Chloromethane	ND		20.0	18.9		ug/L		95	56 - 121	6	20
cis-1,2-Dichloroethene	ND		20.0	22.8		ug/L		114	80 - 125	4	20
cis-1,3-Dichloropropene	ND		20.0	18.5		ug/L		93	75 - 120	3	20
Cyclohexane	ND		20.0	22.6		ug/L		113	68 - 126	4	20
Dibromochloromethane	ND		20.0	20.1		ug/L		100	71 - 120	2	20
Dichlorodifluoromethane	ND		20.0	15.8		ug/L		79	41 - 127	4	20
Ethylbenzene	ND		20.0	20.8		ug/L		104	80 - 120	2	20
Freon 113	ND		20.0	21.6		ug/L		108	73 - 139	11	20
Isopropylbenzene	ND		20.0	21.6		ug/L		108	80 - 120	2	20
Methyl acetate	ND	F2 cn	20.0	19.4	F2	ug/L		97	54 - 136	27	20
Methyl tertiary butyl ether	ND		20.0	20.1		ug/L		100	69 - 122	2	20
Methylcyclohexane	ND		20.0	22.2		ug/L		111	67 - 121	5	20

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

Lab Sample ID: 410-127407-3 MSD **Client Sample ID: FBW001-MSD_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380934

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride	ND		20.0	22.4		ug/L		112	80 - 120	4	20
Styrene	ND		20.0	20.4		ug/L		102	80 - 120	1	20
Tetrachloroethene	ND		20.0	21.8		ug/L		109	80 - 120	2	20
Toluene	ND		20.0	21.3		ug/L		107	80 - 120	2	20
trans-1,2-Dichloroethene	ND		20.0	22.4		ug/L		112	80 - 126	5	20
trans-1,3-Dichloropropene	ND		20.0	18.7		ug/L		94	67 - 120	1	20
Trichloroethene	ND		20.0	20.8		ug/L		104	80 - 120	4	20
Trichlorofluoromethane	ND		20.0	16.7		ug/L		84	55 - 135	7	20
Vinyl chloride	ND		20.0	19.4		ug/L		97	56 - 120	5	20
Xylenes, Total	ND		60.0	63.6		ug/L		106	80 - 120	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: MB 410-380068/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380338 **Prep Batch: 380068**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/25/23 15:30	05/26/23 11:38	1
2,4-Dinitrophenol	ND		30	10	ug/L		05/25/23 15:30	05/26/23 11:38	1
2-Chlorophenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 11:38	1
Carbazole	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 11:38	1
Phenol	ND		2	0.5	ug/L		05/25/23 15:30	05/26/23 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*13 - 138*	*05/25/23 15:30*	*05/26/23 11:38*	*1*
2-Fluorobiphenyl (Surr)	*48*		*44 - 120*	*05/25/23 15:30*	*05/26/23 11:38*	*1*
2-Fluorophenol (Surr)	*27*		*10 - 120*	*05/25/23 15:30*	*05/26/23 11:38*	*1*
Nitrobenzene-d5 (Surr)	*35*		*31 - 120*	*05/25/23 15:30*	*05/26/23 11:38*	*1*
Phenol-d5 (Surr)	*18*		*10 - 120*	*05/25/23 15:30*	*05/26/23 11:38*	*1*
p-Terphenyl-d14 (Surr)	*73*		*30 - 125*	*05/25/23 15:30*	*05/26/23 11:38*	*1*

Lab Sample ID: LCS 410-380068/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380338 **Prep Batch: 380068**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	50.0	30	*-	ug/L		59	62 - 120
2,4-Dinitrophenol	100	79		ug/L		79	36 - 147
2-Chlorophenol	50.0	34		ug/L		69	57 - 120
Carbazole	50.0	34		ug/L		67	65 - 135
Phenol	50.0	16		ug/L		33	22 - 120

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

Lab Sample ID: LCS 410-380068/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380338 **Prep Batch: 380068**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*63*		*13 - 138*
2-Fluorobiphenyl (Surr)	*50*		*44 - 120*
2-Fluorophenol (Surr)	*38*		*10 - 120*
Nitrobenzene-d5 (Surr)	*38*		*31 - 120*
Phenol-d5 (Surr)	*26*		*10 - 120*
p-Terphenyl-d14 (Surr)	*69*		*30 - 125*

Lab Sample ID: LCSD 410-380068/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380338 **Prep Batch: 380068**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			50.0	33		ug/L		65	62 - 120	10	20
2,4-Dinitrophenol			100	91		ug/L		91	36 - 147	15	20
2-Chlorophenol			50.0	35		ug/L		70	57 - 120	3	20
Carbazole			50.0	33		ug/L		65	65 - 135	3	20
Phenol			50.0	20	*1	ug/L		40	22 - 120	21	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*69*		*13 - 138*
2-Fluorobiphenyl (Surr)	*48*		*44 - 120*
2-Fluorophenol (Surr)	*44*		*10 - 120*
Nitrobenzene-d5 (Surr)	*38*		*31 - 120*
Phenol-d5 (Surr)	*32*		*10 - 120*
p-Terphenyl-d14 (Surr)	*79*		*30 - 125*

Lab Sample ID: 410-127407-3 MS **Client Sample ID: FBW001-MS_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380338 **Prep Batch: 380068**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-Dimethylphenol	ND	*- cn	50.6	35		ug/L		69	62 - 120		
2,4-Dinitrophenol	ND	cn	101	76		ug/L		75	36 - 147		
2-Chlorophenol	ND		50.6	33		ug/L		64	57 - 120		
Carbazole	ND		50.6	51		ug/L		100	65 - 135		
Phenol	ND	cn	50.6	16		ug/L		31	22 - 120		

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*64*		*13 - 138*
2-Fluorobiphenyl (Surr)	*69*		*44 - 120*
2-Fluorophenol (Surr)	*35*		*10 - 120*
Nitrobenzene-d5 (Surr)	*54*		*31 - 120*
Phenol-d5 (Surr)	*25*		*10 - 120*
p-Terphenyl-d14 (Surr)	*77*		*30 - 125*

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

Lab Sample ID: 410-127407-3 MSD **Client Sample ID: FBW001-MSD_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380338 **Prep Batch: 380068**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol	ND	*- cn	50.8	35		ug/L		70	62 - 120	1	20
2,4-Dinitrophenol	ND	cn	102	75		ug/L		74	36 - 147	1	20
2-Chlorophenol	ND		50.8	36		ug/L		71	57 - 120	10	20
Carbazole	ND		50.8	45		ug/L		88	65 - 135	12	20
Phenol	ND	cn	50.8	18		ug/L		36	22 - 120	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*67*		*13 - 138*
2-Fluorobiphenyl (Surr)	*65*		*44 - 120*
2-Fluorophenol (Surr)	*42*		*10 - 120*
Nitrobenzene-d5 (Surr)	*53*		*31 - 120*
Phenol-d5 (Surr)	*28*		*10 - 120*
p-Terphenyl-d14 (Surr)	*79*		*30 - 125*

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

Lab Sample ID: MB 410-380061/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		05/25/23 15:27	05/26/23 05:18	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
Acenaphthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Acenaphthylene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Anthracene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
Bis(2-ethylhexyl) phthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Chrysene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
Dibenzofuran	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Diethylphthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Dimethylphthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Di-n-butyl phthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		05/25/23 15:27	05/26/23 05:18	1
Fluoranthene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Fluorene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1
Naphthalene	ND		0.070	0.030	ug/L		05/25/23 15:27	05/26/23 05:18	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		05/25/23 15:27	05/26/23 05:18	1

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

Lab Sample ID: MB 410-380061/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.070	0.030	ug/L		05/25/23 15:27	05/26/23 05:18	1
Pyrene	ND		0.050	0.010	ug/L		05/25/23 15:27	05/26/23 05:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*45*		*33 - 120*	*05/25/23 15:27*	*05/26/23 05:18*	*1*
Benzo(a)pyrene-d12 (Surr)	*63*		*17 - 120*	*05/25/23 15:27*	*05/26/23 05:18*	*1*
Fluoranthene-d10 (Surr)	*67*		*43 - 124*	*05/25/23 15:27*	*05/26/23 05:18*	*1*

Lab Sample ID: LCS 410-380061/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.392		ug/L		39	10 - 120
1-Methylnaphthalene	1.00	0.450		ug/L		45	31 - 120
2-Methylnaphthalene	1.00	0.410		ug/L		41	24 - 120
Acenaphthene	1.00	0.515		ug/L		52	42 - 120
Acenaphthylene	1.00	0.537		ug/L		54	41 - 120
Anthracene	1.00	0.665		ug/L		67	48 - 124
Benzo[a]anthracene	1.00	0.680		ug/L		68	50 - 129
Benzo[a]pyrene	1.00	0.712		ug/L		71	49 - 120
Benzo[b]fluoranthene	1.00	0.691		ug/L		69	47 - 131
Benzo[g,h,i]perylene	1.00	0.673		ug/L		67	40 - 132
Benzo[k]fluoranthene	1.00	0.853		ug/L		85	50 - 128
Bis(2-chloroethyl)ether	1.00	0.588		ug/L		59	15 - 163
Bis(2-ethylhexyl) phthalate	1.00	0.784	J	ug/L		78	27 - 158
Butylbenzylphthalate	1.00	0.523	J	ug/L		52	10 - 134
Chrysene	1.00	0.713		ug/L		71	47 - 121
Dibenz(a,h)anthracene	1.00	0.598		ug/L		60	38 - 136
Dibenzofuran	1.00	0.535		ug/L		53	48 - 124
Diethylphthalate	1.00	0.664	J	ug/L		66	48 - 120
Dimethylphthalate	1.00	0.485	J	ug/L		48	10 - 121
Di-n-butyl phthalate	1.00	0.725	J	ug/L		72	59 - 136
Di-n-octyl phthalate	1.00	0.741	J	ug/L		74	42 - 123
Fluoranthene	1.00	0.682		ug/L		68	47 - 129
Fluorene	1.00	0.585		ug/L		58	46 - 120
Hexachlorobenzene	1.00	0.548		ug/L		55	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.626		ug/L		63	35 - 144
Naphthalene	1.00	0.414		ug/L		41	28 - 120
N-Nitrosodimethylamine	1.00	0.486		ug/L		49	37 - 120
Phenanthrene	1.00	0.653		ug/L		65	48 - 121
Pyrene	1.00	0.685		ug/L		68	46 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*44*		*33 - 120*
Benzo(a)pyrene-d12 (Surr)	*69*		*17 - 120*
Fluoranthene-d10 (Surr)	*69*		*43 - 124*

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

Lab Sample ID: LCSD 410-380061/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	1.00	0.358		ug/L		36	10 - 120	9	20
1-Methylnaphthalene	1.00	0.558	*1	ug/L		56	31 - 120	21	20
2-Methylnaphthalene	1.00	0.520	*1	ug/L		52	24 - 120	24	20
Acenaphthene	1.00	0.655	*1	ug/L		65	42 - 120	24	20
Acenaphthylene	1.00	0.664	*1	ug/L		66	41 - 120	21	20
Anthracene	1.00	0.782		ug/L		78	48 - 124	16	20
Benzo[a]anthracene	1.00	0.784		ug/L		78	50 - 129	14	20
Benzo[a]pyrene	1.00	0.830		ug/L		83	49 - 120	15	20
Benzo[b]fluoranthene	1.00	0.817		ug/L		82	47 - 131	17	20
Benzo[g,h,i]perylene	1.00	0.760		ug/L		76	40 - 132	12	20
Benzo[k]fluoranthene	1.00	0.970		ug/L		97	50 - 128	13	20
Bis(2-chloroethyl)ether	1.00	0.665		ug/L		66	15 - 163	12	20
Bis(2-ethylhexyl) phthalate	1.00	0.931	J	ug/L		93	27 - 158	17	20
Butylbenzylphthalate	1.00	0.703	J *1	ug/L		70	10 - 134	29	20
Chrysene	1.00	0.847		ug/L		85	47 - 121	17	20
Dibenz(a,h)anthracene	1.00	0.701		ug/L		70	38 - 136	16	20
Dibenzofuran	1.00	0.676	*1	ug/L		68	48 - 124	23	20
Diethylphthalate	1.00	0.818	J *1	ug/L		82	48 - 120	21	20
Dimethylphthalate	1.00	0.659	J *1	ug/L		66	10 - 121	31	20
Di-n-butyl phthalate	1.00	0.913	J *1	ug/L		91	59 - 136	23	20
Di-n-octyl phthalate	1.00	0.846	J	ug/L		85	42 - 123	13	20
Fluoranthene	1.00	0.801		ug/L		80	47 - 129	16	20
Fluorene	1.00	0.720	*1	ug/L		72	46 - 120	21	20
Hexachlorobenzene	1.00	0.673	*1	ug/L		67	20 - 120	21	20
Indeno[1,2,3-cd]pyrene	1.00	0.731		ug/L		73	35 - 144	15	20
Naphthalene	1.00	0.516	*1	ug/L		52	28 - 120	22	20
N-Nitrosodimethylamine	1.00	0.489		ug/L		49	37 - 120	1	20
Phenanthrene	1.00	0.800		ug/L		80	48 - 121	20	20
Pyrene	1.00	0.815		ug/L		81	46 - 122	17	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*58*		*33 - 120*
Benzo(a)pyrene-d12 (Surr)	*81*		*17 - 120*
Fluoranthene-d10 (Surr)	*81*		*43 - 124*

Lab Sample ID: 410-127407-3 MS **Client Sample ID: FBW001-MS_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND		1.03	0.384	cn	ug/L		37	10 - 120
1-Methylnaphthalene	ND		1.03	0.636	cn	ug/L		62	31 - 120
2-Methylnaphthalene	ND	F2	1.03	0.607	cn	ug/L		59	24 - 120
Acenaphthene	ND	F2	1.03	0.743	cn	ug/L		72	42 - 120
Acenaphthylene	ND		1.03	0.749	cn	ug/L		72	41 - 120
Anthracene	ND		1.03	0.807	cn	ug/L		78	48 - 124
Benzo[a]anthracene	ND		1.03	0.799	cn	ug/L		77	50 - 129
Benzo[a]pyrene	ND		1.03	0.805	cn	ug/L		78	49 - 120

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

Lab Sample ID: 410-127407-3 MS **Client Sample ID: FBW001-MS_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	ND		1.03	0.787	cn	ug/L		76	47 - 131
Benzo[g,h,i]perylene	ND		1.03	0.695	cn	ug/L		67	40 - 132
Benzo[k]fluoranthene	ND	F2	1.03	0.946	cn	ug/L		92	50 - 128
Bis(2-chloroethyl)ether	ND		1.03	0.744	cn	ug/L		72	15 - 163
Bis(2-ethylhexyl) phthalate	ND	F2 cn	1.03	0.851	J cn	ug/L		82	27 - 158
Butylbenzylphthalate	ND	cn	1.03	0.831	J cn	ug/L		80	10 - 134
Chrysene	ND		1.03	0.858	cn	ug/L		83	47 - 121
Dibenz(a,h)anthracene	ND		1.03	0.650	cn	ug/L		63	38 - 136
Dibenzofuran	ND		1.03	0.730	cn	ug/L		71	48 - 124
Diethylphthalate	ND		1.03	0.943	J cn	ug/L		91	48 - 120
Dimethylphthalate	ND	*1	1.03	0.894	J cn	ug/L		87	10 - 121
Di-n-butyl phthalate	ND		1.03	0.981	J cn	ug/L		95	59 - 136
Di-n-octyl phthalate	ND	cn	1.03	0.797	J cn	ug/L		77	42 - 123
Fluoranthene	ND		1.03	0.829	cn	ug/L		80	47 - 129
Fluorene	ND		1.03	0.783	cn	ug/L		76	46 - 120
Hexachlorobenzene	ND		1.03	0.742	cn	ug/L		72	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.03	0.649	cn	ug/L		63	35 - 144
Naphthalene	ND		1.03	0.630	cn	ug/L		61	28 - 120
N-Nitrosodimethylamine	ND	cn	1.03	0.562	cn	ug/L		54	37 - 120
Phenanthrene	ND		1.03	0.820	cn	ug/L		79	48 - 121
Pyrene	ND		1.03	0.852	cn	ug/L		82	46 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*63*	*cn*	*33 - 120*
Benzo(a)pyrene-d12 (Surr)	*76*	*cn*	*17 - 120*
Fluoranthene-d10 (Surr)	*82*	*cn*	*43 - 124*

Lab Sample ID: 410-127407-3 MSD **Client Sample ID: FBW001-MSD_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

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	0.377	cn	ug/L		37	10 - 120	2	20
1-Methylnaphthalene	ND		1.01	0.539	cn	ug/L		53	31 - 120	17	20
2-Methylnaphthalene	ND	F2	1.01	0.491	F2 cn	ug/L		49	24 - 120	21	20
Acenaphthene	ND	F2	1.01	0.598	F2 cn	ug/L		59	42 - 120	22	20
Acenaphthylene	ND		1.01	0.632	cn	ug/L		62	41 - 120	17	20
Anthracene	ND		1.01	0.699	cn	ug/L		69	48 - 124	14	20
Benzo[a]anthracene	ND		1.01	0.696	cn	ug/L		69	50 - 129	14	20
Benzo[a]pyrene	ND		1.01	0.685	cn	ug/L		68	49 - 120	16	20
Benzo[b]fluoranthene	ND		1.01	0.711	cn	ug/L		70	47 - 131	10	20
Benzo[g,h,i]perylene	ND		1.01	0.588	cn	ug/L		58	40 - 132	17	20
Benzo[k]fluoranthene	ND	F2	1.01	0.767	F2 cn	ug/L		76	50 - 128	21	20
Bis(2-chloroethyl)ether	ND		1.01	0.646	cn	ug/L		64	15 - 163	14	20
Bis(2-ethylhexyl) phthalate	ND	F2 cn	1.01	0.679	J F2 cn	ug/L		67	27 - 158	22	20
Butylbenzylphthalate	ND	cn	1.01	0.678	J cn	ug/L		67	10 - 134	20	20
Chrysene	ND		1.01	0.719	cn	ug/L		71	47 - 121	18	20
Dibenz(a,h)anthracene	ND		1.01	0.535	cn	ug/L		53	38 - 136	19	20

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

Lab Sample ID: 410-127407-3 MSD **Client Sample ID: FBW001-MSD_052023**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 380221 **Prep Batch: 380061**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzofuran	ND		1.01	0.619	cn	ug/L		61	48 - 124	17	20
Diethylphthalate	ND		1.01	0.805	J cn	ug/L		80	48 - 120	16	20
Dimethylphthalate	ND	*1	1.01	0.731	J cn	ug/L		72	10 - 121	20	20
Di-n-butyl phthalate	ND		1.01	0.827	J cn	ug/L		82	59 - 136	17	20
Di-n-octyl phthalate	ND	cn	1.01	0.666	J cn	ug/L		66	42 - 123	18	20
Fluoranthene	ND		1.01	0.710	cn	ug/L		70	47 - 129	15	20
Fluorene	ND		1.01	0.650	cn	ug/L		64	46 - 120	19	20
Hexachlorobenzene	ND		1.01	0.620	cn	ug/L		61	20 - 120	18	20
Indeno[1,2,3-cd]pyrene	ND		1.01	0.532	cn	ug/L		53	35 - 144	20	20
Naphthalene	ND		1.01	0.515	cn	ug/L		51	28 - 120	20	20
N-Nitrosodimethylamine	ND	cn	1.01	0.473	cn	ug/L		47	37 - 120	17	20
Phenanthrene	ND		1.01	0.703	cn	ug/L		69	48 - 121	15	20
Pyrene	ND		1.01	0.739	cn	ug/L		73	46 - 122	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*54*	*cn*	*33 - 120*
Benzo(a)pyrene-d12 (Surr)	*66*	*cn*	*17 - 120*
Fluoranthene-d10 (Surr)	*71*	*cn*	*43 - 124*

GC/MS VOA

Analysis Batch: 380934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1	FBS010_052023	Total/NA	Water	8260C	
410-127407-2	Dup-01_052023	Total/NA	Water	8260C	
410-127407-3	FBW001_052023	Total/NA	Water	8260C	
410-127407-4	FB-01_052023	Total/NA	Water	8260C	
410-127407-5	Trip Blank-01_052023	Total/NA	Water	8260C	
MB 410-380934/7	Method Blank	Total/NA	Water	8260C	
LCS 410-380934/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 410-380934/5	Lab Control Sample Dup	Total/NA	Water	8260C	
410-127407-3 MS	FBW001-MS_052023	Total/NA	Water	8260C	
410-127407-3 MSD	FBW001-MSD_052023	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 380061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1 - RA	FBS010_052023	Total/NA	Water	3510C	
410-127407-1	FBS010_052023	Total/NA	Water	3510C	
410-127407-2	Dup-01_052023	Total/NA	Water	3510C	
410-127407-3	FBW001_052023	Total/NA	Water	3510C	
410-127407-4	FB-01_052023	Total/NA	Water	3510C	
MB 410-380061/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-380061/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-380061/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-127407-3 MS	FBW001-MS_052023	Total/NA	Water	3510C	
410-127407-3 MSD	FBW001-MSD_052023	Total/NA	Water	3510C	

Prep Batch: 380068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1	FBS010_052023	Total/NA	Water	3510C	
410-127407-2	Dup-01_052023	Total/NA	Water	3510C	
410-127407-3	FBW001_052023	Total/NA	Water	3510C	
410-127407-4	FB-01_052023	Total/NA	Water	3510C	
MB 410-380068/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-380068/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-380068/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-127407-3 MS	FBW001-MS_052023	Total/NA	Water	3510C	
410-127407-3 MSD	FBW001-MSD_052023	Total/NA	Water	3510C	

Analysis Batch: 380221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1	FBS010_052023	Total/NA	Water	8270D SIM	380061
410-127407-2	Dup-01_052023	Total/NA	Water	8270D SIM	380061
410-127407-3	FBW001_052023	Total/NA	Water	8270D SIM	380061
410-127407-4	FB-01_052023	Total/NA	Water	8270D SIM	380061
MB 410-380061/1-A	Method Blank	Total/NA	Water	8270D SIM	380061
LCS 410-380061/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	380061
LCSD 410-380061/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	380061
410-127407-3 MS	FBW001-MS_052023	Total/NA	Water	8270D SIM	380061
410-127407-3 MSD	FBW001-MSD_052023	Total/NA	Water	8270D SIM	380061

GC/MS Semi VOA

Analysis Batch: 380338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1	FBS010_052023	Total/NA	Water	8270D	380068
410-127407-2	Dup-01_052023	Total/NA	Water	8270D	380068
410-127407-3	FBW001_052023	Total/NA	Water	8270D	380068
410-127407-4	FB-01_052023	Total/NA	Water	8270D	380068
MB 410-380068/1-A	Method Blank	Total/NA	Water	8270D	380068
LCS 410-380068/2-A	Lab Control Sample	Total/NA	Water	8270D	380068
LCSD 410-380068/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	380068
410-127407-3 MS	FBW001-MS_052023	Total/NA	Water	8270D	380068
410-127407-3 MSD	FBW001-MSD_052023	Total/NA	Water	8270D	380068

Analysis Batch: 380829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1 - RA	FBS010_052023	Total/NA	Water	8270D SIM	380061

Prep Batch: 382041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-2 - RE	Dup-01_052023	Total/NA	Water	3510C	
MB 410-382041/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-382041/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-382041/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 382042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1 - RE	FBS010_052023	Total/NA	Water	3510C	
410-127407-2 - RE	Dup-01_052023	Total/NA	Water	3510C	
410-127407-3 - RE	FBW001_052023	Total/NA	Water	3510C	
410-127407-4 - RE	FB-01_052023	Total/NA	Water	3510C	
MB 410-382042/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-382042/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-382042/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-127407-3 MS - RE	FBW001-MS_052023	Total/NA	Water	3510C	
410-127407-3 MSD - RE	FBW001-MSD_052023	Total/NA	Water	3510C	

Analysis Batch: 382151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-1 - RE	FBS010_052023	Total/NA	Water	8270D	382042
410-127407-2 - RE	Dup-01_052023	Total/NA	Water	8270D	382042
410-127407-3 - RE	FBW001_052023	Total/NA	Water	8270D	382042
410-127407-4 - RE	FB-01_052023	Total/NA	Water	8270D	382042
MB 410-382042/1-A	Method Blank	Total/NA	Water	8270D	382042
LCS 410-382042/2-A	Lab Control Sample	Total/NA	Water	8270D	382042
LCSD 410-382042/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	382042
410-127407-3 MS - RE	FBW001-MS_052023	Total/NA	Water	8270D	382042
410-127407-3 MSD - RE	FBW001-MSD_052023	Total/NA	Water	8270D	382042

Analysis Batch: 382216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127407-2 - RE	Dup-01_052023	Total/NA	Water	8270D SIM	382041
MB 410-382041/1-A	Method Blank	Total/NA	Water	8270D SIM	382041
LCS 410-382041/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	382041
LCSD 410-382041/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	382041

Lab Chronicle

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FBS010_052023 — Lab Sample ID: 410-127407-1

Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	380934	ULCP	ELLE	05/30/23 15:06
Total/NA	Prep	3510C	RE		382042	T9CY	ELLE	06/01/23 15:50
Total/NA	Analysis	8270D	RE	1	382151	AH7C	ELLE	06/02/23 00:56
Total/NA	Prep	3510C			380068	T9CY	ELLE	05/25/23 15:30
Total/NA	Analysis	8270D		1	380338	GLQ9	ELLE	05/26/23 14:32
Total/NA	Prep	3510C	RA		380061	T9CY	ELLE	05/25/23 15:27
Total/NA	Analysis	8270D SIM	RA	1	380829	UJM0	ELLE	05/30/23 07:38
Total/NA	Prep	3510C			380061	T9CY	ELLE	05/25/23 15:27
Total/NA	Analysis	8270D SIM		1	380221	SJ89	ELLE	05/26/23 10:22

Client Sample ID: Dup-01_052023 — Lab Sample ID: 410-127407-2

Date Collected: 05/18/23 12:00 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	380934	ULCP	ELLE	05/30/23 15:29
Total/NA	Prep	3510C	RE		382042	T9CY	ELLE	06/01/23 15:50
Total/NA	Analysis	8270D	RE	1	382151	AH7C	ELLE	06/02/23 01:16
Total/NA	Prep	3510C			380068	T9CY	ELLE	05/25/23 15:30
Total/NA	Analysis	8270D		1	380338	GLQ9	ELLE	05/26/23 14:51
Total/NA	Prep	3510C	RE		382041	T9CY	ELLE	06/01/23 15:47
Total/NA	Analysis	8270D SIM	RE	1	382216	UJM0	ELLE	06/02/23 07:40
Total/NA	Prep	3510C			380061	T9CY	ELLE	05/25/23 15:27
Total/NA	Analysis	8270D SIM		1	380221	SJ89	ELLE	05/26/23 10:43

Client Sample ID: FBW001_052023 — Lab Sample ID: 410-127407-3

Date Collected: 05/18/23 10:43 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	380934	ULCP	ELLE	05/30/23 13:59
Total/NA	Prep	3510C	RE		382042	T9CY	ELLE	06/01/23 15:50
Total/NA	Analysis	8270D	RE	1	382151	AH7C	ELLE	06/02/23 01:36
Total/NA	Prep	3510C			380068	T9CY	ELLE	05/25/23 15:30
Total/NA	Analysis	8270D		1	380338	GLQ9	ELLE	05/26/23 15:10
Total/NA	Prep	3510C			380061	T9CY	ELLE	05/25/23 15:27
Total/NA	Analysis	8270D SIM		1	380221	SJ89	ELLE	05/26/23 07:50

Client Sample ID: FB-01_052023 — Lab Sample ID: 410-127407-4

Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	380934	ULCP	ELLE	05/30/23 13:14

Lab Chronicle

Client: Environmental Works, Inc. Job ID: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Client Sample ID: FB-01_052023 Lab Sample ID: 410-127407-4

Date Collected: 05/18/23 11:00 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C	RE		382042	T9CY	ELLE	06/01/23 15:50
Total/NA	Analysis	8270D	RE	1	382151	AH7C	ELLE	06/02/23 02:37
Total/NA	Prep	3510C			380068	T9CY	ELLE	05/25/23 15:30
Total/NA	Analysis	8270D		1	380338	GLQ9	ELLE	05/26/23 16:08
Total/NA	Prep	3510C			380061	T9CY	ELLE	05/25/23 15:27
Total/NA	Analysis	8270D SIM		1	380221	SJ89	ELLE	05/26/23 11:05

Client Sample ID: Trip Blank-01_052023 Lab Sample ID: 410-127407-5

Date Collected: 05/18/23 00:00 **Matrix: Water**
Date Received: 05/19/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	380934	ULCP	ELLE	05/30/23 13:36

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: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

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: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

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: 410-127407-1
Project/Site: Springfield, MO: 2Q2023 Public Well Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-127407-1	FBS010_052023	Water	05/18/23 11:00	05/19/23 10:05
410-127407-2	Dup-01_052023	Water	05/18/23 12:00	05/19/23 10:05
410-127407-3	FBW001_052023	Water	05/18/23 10:43	05/19/23 10:05
410-127407-4	FB-01_052023	Water	05/18/23 11:00	05/19/23 10:05
410-127407-5	Trip Blank-01_052023	Water	05/18/23 00:00	05/19/23 10:05

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 323735

Lab Sample ID: IC 410-323735/13 Client Sample ID:

Date Analyzed: 12/05/22 20:37 Lab File ID: 4D05X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.18	Baseline	ULCP	12/06/22 06:58
Bromomethane	2.49	Baseline	ULCP	12/06/22 06:50
n-Pentane	2.90	Baseline	ULCP	12/06/22 06:59
Ethanol	3.07	Baseline	ULCP	12/06/22 06:52
2-Propanol	3.65	Baseline	ULCP	12/06/22 06:52
t-Butyl alcohol	4.19	Baseline	ULCP	12/06/22 06:53
1,4-Dioxane	8.45	Baseline	ULCP	12/06/22 06:56
Methyl methacrylate	8.46	Baseline	ULCP	12/06/22 06:55
Bromodichloromethane	8.70	Baseline	ULCP	12/06/22 06:56

Lab Sample ID: IC 410-323735/12 Client Sample ID:

Date Analyzed: 12/05/22 21:00 Lab File ID: 4D05X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.00	Baseline	ULCP	12/06/22 06:38
Acrolein	3.26	Baseline	ULCP	12/06/22 06:38
1,1-Dichloroethene	3.39	Baseline	ULCP	12/06/22 06:39
Acetone	3.40	Baseline	ULCP	12/06/22 06:39
2-Propanol	3.63	Baseline	ULCP	12/06/22 06:40
Methyl acetate	3.82	Baseline	ULCP	12/06/22 06:42
Allyl chloride	3.84	Baseline	ULCP	12/06/22 06:42
t-Butyl alcohol	4.18	Baseline	ULCP	12/06/22 06:43
Acrylonitrile	4.36	Baseline	ULCP	12/06/22 06:43
trans-1,2-Dichloroethene	4.43	Baseline	ULCP	12/06/22 06:44
2-Butanone	5.92	Baseline	ULCP	12/06/22 06:44
2,2-Dichloropropane	5.95	Baseline	ULCP	12/06/22 06:46
Ethyl methacrylate	9.99	Baseline	ULCP	12/06/22 06:47

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 323735

Lab Sample ID: IC 410-323735/14 Client Sample ID:

Date Analyzed: 12/05/22 21:22 Lab File ID: 4D05X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.80	Baseline	ULCP	12/06/22 10:35
Ethanol	3.04	Baseline	ULCP	12/06/22 10:36
Freon 123a	3.18	Baseline	ULCP	12/06/22 10:36
t-Butyl alcohol	4.19	Baseline	ULCP	12/06/22 10:37
1,4-Dioxane	8.45	Baseline	ULCP	12/06/22 10:39

Lab Sample ID: IC 410-323735/15 Client Sample ID:

Date Analyzed: 12/05/22 21:45 Lab File ID: 4D05X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.17	Baseline	ULCP	12/06/22 10:40
Bromomethane	2.48	Baseline	ULCP	12/06/22 10:41
Ethanol	3.04	Baseline	ULCP	12/06/22 10:41
Acrolein	3.25	Baseline	ULCP	12/06/22 10:42
Acetone	3.44	Baseline	ULCP	12/06/22 12:43

Lab Sample ID: ICIS 410-323735/16 Client Sample ID:

Date Analyzed: 12/05/22 22:07 Lab File ID: 4D05X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.04	Baseline	ULCP	12/06/22 10:44
2-Propanol	3.63	Baseline	ULCP	12/06/22 10:45
t-Butyl alcohol	4.20	Baseline	ULCP	12/06/22 10:58

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 323735

Lab Sample ID: IC 410-323735/17 Client Sample ID:

Date Analyzed: 12/05/22 22:29 Lab File ID: 4D05X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.06	Baseline	ULCP	12/06/22 10:55
Acetone	3.43	Baseline	ULCP	12/06/22 12:44
2-Propanol	3.64	Baseline	ULCP	12/06/22 10:56

Lab Sample ID: IC 410-323735/18 Client Sample ID:

Date Analyzed: 12/05/22 22:52 Lab File ID: 4D05X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	3.58	Baseline	ULCP	12/06/22 11:01
t-Butyl alcohol	4.21	Baseline	ULCP	12/06/22 11:04

Lab Sample ID: ICV 410-323735/20 Client Sample ID:

Date Analyzed: 12/05/22 23:37 Lab File ID: 4D05X20.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.86	Baseline	ULCP	12/06/22 11:08
Ethanol	3.04	Baseline	ULCP	12/06/22 11:09

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 380934

Lab Sample ID: CCVIS 410-380934/3 Client Sample ID:

Date Analyzed: 05/30/23 10:15 Lab File ID: 4Y30X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.43	Baseline	ULCP	05/30/23 12:53

Lab Sample ID: MB 410-380934/7 Client Sample ID:

Date Analyzed: 05/30/23 11:44 Lab File ID: 4Y30X06.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane		Invalid Compound ID	ULCP	05/30/23 12:35

Lab Sample ID: 410-127407-4 Client Sample ID:

Date Analyzed: 05/30/23 13:14 Lab File ID: 4Y30X10.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.03	Split Peak	kaewrungrueangp	05/31/23 10:47
Methylene Chloride		Invalid Compound ID	kaewrungrueangp	05/31/23 10:48

Lab Sample ID: 410-127407-3 Client Sample ID:

Date Analyzed: 05/30/23 13:59 Lab File ID: 4Y30X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene-d5 (IS)	11.06	Split Peak	kaewrungrueangp	05/31/23 11:03

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 356566

Lab Sample ID: IC 410-356566/3 Client Sample ID:

Date Analyzed: 03/23/23 13:56 Lab File ID: DC2312.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.22	Peak assignment corrected	P7EB	03/23/23 14:51
Isosafrole Peak 1	6.67	Peak assignment corrected	P7EB	03/23/23 14:51
2-Chloronaphthalene	6.94	Split Peak	P7EB	03/23/23 14:52
1-Chloronaphthalene	6.95	Split Peak	P7EB	03/23/23 14:52
2,3,4,6-Tetrachlorophenol	7.73	Split Peak	P7EB	03/23/23 14:54
Dibenz[a,h]acridine	14.75	Split Peak	P7EB	03/23/23 14:54
Dibenz[a,j]acridine	14.82	Split Peak	P7EB	03/23/23 16:44
Indeno[1,2,3-cd]pyrene	15.06	Split Peak	P7EB	03/23/23 14:54

Lab Sample ID: IC 410-356566/7 Client Sample ID:

Date Analyzed: 03/23/23 15:02 Lab File ID: DC2315.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-octyl phthalate	12.49	Split Peak	P7EB	03/23/23 17:11

Lab Sample ID: IC 410-356566/8 Client Sample ID:

Date Analyzed: 03/23/23 15:24 Lab File ID: DC2316.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-octyl phthalate	12.49	Split Peak	P7EB	03/23/23 17:10

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 356566

Lab Sample ID: IC 410-356566/9 Client Sample ID:

Date Analyzed: 03/23/23 15:46 Lab File ID: DC2317.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	2.55	Split Peak	P7EB	03/23/23 16:26
N-Nitrosodi-n-butylamine	6.19	Split Peak	P7EB	03/23/23 16:40
Dinoseb	8.86	Split Peak	P7EB	03/23/23 16:54
Bis(2-ethylhexyl) phthalate	11.61	Split Peak	P7EB	03/23/23 17:07
Di-n-octyl phthalate	12.49	Split Peak	P7EB	03/23/23 17:09
7,12-Dimethylbenz(a)anthracene	12.96	Split Peak	P7EB	03/23/23 17:08
Indeno[1,2,3-cd]pyrene	15.06	Split Peak	P7EB	03/23/23 16:27

Lab Sample ID: IC 410-356566/4 Client Sample ID:

Date Analyzed: 03/23/23 16:08 Lab File ID: DC2318.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isosafrole Peak 1	6.67	Split Peak	P7EB	03/23/23 16:33
Dibenz[a,j]acridine	14.82	Split Peak	P7EB	03/23/23 16:42

Lab Sample ID: ICV 410-356566/12 Client Sample ID:

Date Analyzed: 03/23/23 17:14 Lab File ID: DC2321.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-phenylenediamine		Split Peak	P7EB	03/23/23 17:53
Hexachlorocyclopentadiene		Invalid Compound ID	P7EB	03/23/23 19:32
Benzidine	10.15	Split Peak	P7EB	03/23/23 17:52

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 382151

Lab Sample ID: CCVIS 410-382151/2 Client Sample ID:

Date Analyzed: 06/01/23 21:03 Lab File ID: DF0151.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.66	Split Peak	P7EB	06/01/23 21:27
Benzaldehyde	3.83	Split Peak	P7EB	06/01/23 21:24
2-Chloronaphthalene	6.61	Split Peak	P7EB	06/01/23 21:26
1-Chloronaphthalene	6.62	Split Peak	P7EB	06/01/23 21:26

Lab Sample ID: 410-127407-2 RE Client Sample ID: Dup-01_052023 RE

Date Analyzed: 06/02/23 01:16 Lab File ID: DF0163.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol		Invalid Compound ID	AH7C	06/02/23 11:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 330490

Lab Sample ID: IC 410-330490/4 Client Sample ID:

Date Analyzed: 12/27/22 19:29 Lab File ID: LL2753.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isosafrole Peak 1	6.57	Peak assignment corrected	P7EB	12/28/22 14:38
4-Bromophenyl-phenylether	8.34	Incomplete Integration	P7EB	12/28/22 14:39
a-Terpineol		Invalid Compound ID	P7EB	12/28/22 14:38
N,N-dimethylformamide		Invalid Compound ID	P7EB	12/28/22 14:37
Indeno[1,2,3-cd]pyrene	14.91	Incomplete Integration	P7EB	12/28/22 15:12
Dibenz(a,h)anthracene	14.97	Split Peak	P7EB	12/28/22 14:51

Lab Sample ID: IC 410-330490/5 Client Sample ID:

Date Analyzed: 12/27/22 19:50 Lab File ID: LL2754.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitroaniline	7.88	Incomplete Integration	P7EB	12/28/22 15:23
4-Bromophenyl-phenylether	8.34	Incomplete Integration	P7EB	12/28/22 14:40
Pentachlorophenol	8.57	Incomplete Integration	P7EB	12/28/22 15:27
Dinoseb	8.75	Incomplete Integration	P7EB	12/28/22 15:28
Indeno[1,2,3-cd]pyrene	14.91	Incomplete Integration	P7EB	12/28/22 15:09
Dibenz(a,h)anthracene	14.96	Incomplete Integration	P7EB	12/28/22 15:09

Lab Sample ID: IC 410-330490/6 Client Sample ID:

Date Analyzed: 12/27/22 20:11 Lab File ID: LL2755.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.94	Split Peak	P7EB	12/28/22 14:42

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 330490

Lab Sample ID: IC 410-330490/7 Client Sample ID:

Date Analyzed: 12/27/22 20:32 Lab File ID: LL2756.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.93	Split Peak	P7EB	12/28/22 14:44

Lab Sample ID: IC 410-330490/8 Client Sample ID:

Date Analyzed: 12/27/22 20:53 Lab File ID: LL2757.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.92	Split Peak	P7EB	12/28/22 14:46

Lab Sample ID: IC 410-330490/9 Client Sample ID:

Date Analyzed: 12/27/22 21:14 Lab File ID: LL2758.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	7.41	Split Peak	P7EB	12/28/22 15:20
Bis(2-ethylhexyl) phthalate	11.48	Split Peak	P7EB	12/28/22 15:36
Indeno[1,2,3-cd]pyrene	14.91	Split Peak	P7EB	12/28/22 14:47

Lab Sample ID: ICV 410-330490/12 Client Sample ID:

Date Analyzed: 12/27/22 22:17 Lab File ID: LL2761.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-phenylenediamine		Invalid Compound ID	P7EB	12/28/22 15:51

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 380338

Lab Sample ID: CCVIS 410-380338/2 Client Sample ID:

Date Analyzed: 05/26/23 09:37 Lab File ID: LE2601.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine		Invalid Compound ID	AH7C	05/26/23 10:22

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 368078

Lab Sample ID: ICIS 410-368078/2 Client Sample ID:

Date Analyzed: 04/25/23 06:05 Lab File ID: MD0951.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.84	Baseline	UJM0	04/25/23 06:26

Lab Sample ID: IC 410-368078/3 Client Sample ID:

Date Analyzed: 04/25/23 06:46 Lab File ID: MD0952.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.85	Baseline	UJM0	04/25/23 08:58

Lab Sample ID: IC 410-368078/4 Client Sample ID:

Date Analyzed: 04/25/23 07:07 Lab File ID: MD0953.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.68	Baseline	UJM0	04/25/23 08:59
N-Nitrosodiphenylamine	8.02	Baseline	UJM0	04/25/23 08:59
Indeno[1,2,3-cd]pyrene	14.84	Baseline	UJM0	04/25/23 08:59

Lab Sample ID: IC 410-368078/5 Client Sample ID:

Date Analyzed: 04/25/23 07:28 Lab File ID: MD0954.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.68	Baseline	UJM0	04/25/23 09:00
Indeno[1,2,3-cd]pyrene	14.84	Baseline	UJM0	04/25/23 09:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 368078

Lab Sample ID: IC 410-368078/6 Client Sample ID:

Date Analyzed: 04/25/23 07:49 Lab File ID: MD0955.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.68	Baseline	UJM0	04/25/23 09:00
Indeno[1,2,3-cd]pyrene	14.84	Baseline	UJM0	04/25/23 09:01

Lab Sample ID: IC 410-368078/7 Client Sample ID:

Date Analyzed: 04/25/23 08:11 Lab File ID: MD0956.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.69	Baseline	UJM0	04/25/23 09:01
Perylene	13.33	Baseline	UJM0	04/25/23 09:02
Indeno[1,2,3-cd]pyrene	14.84	Baseline	UJM0	04/25/23 09:02

Lab Sample ID: ICV 410-368078/9 Client Sample ID:

Date Analyzed: 04/25/23 08:53 Lab File ID: MD0958.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.68	Baseline	UJM0	04/25/23 09:17
Acenaphthylene	7.25	Baseline	UJM0	04/25/23 09:17
Indeno[1,2,3-cd]pyrene	14.84	Baseline	UJM0	04/25/23 09:17

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 369143

Lab Sample ID: ICV 410-369143/3 Client Sample ID:

Date Analyzed: 04/27/23 04:35 Lab File ID: MD1052.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Baseline	UJM0	04/27/23 05:18
1-Methylnaphthalene		Invalid Compound ID	UJM0	04/27/23 10:05
2-Methylnaphthalene		Invalid Compound ID	UJM0	04/27/23 10:05
Acenaphthene		Invalid Compound ID	UJM0	04/27/23 10:05
Acenaphthylene		Baseline	UJM0	04/27/23 05:18
Anthracene		Invalid Compound ID	UJM0	04/27/23 10:05
Benzo[a]anthracene		Invalid Compound ID	UJM0	04/27/23 10:06
Benzo[a]pyrene		Invalid Compound ID	UJM0	04/27/23 10:06
Benzo[b]fluoranthene		Invalid Compound ID	UJM0	04/27/23 10:06
Benzo[g,h,i]perylene		Invalid Compound ID	UJM0	04/27/23 10:06
Benzo[k]fluoranthene		Invalid Compound ID	UJM0	04/27/23 10:06
Bis(2-chloroethyl)ether		Invalid Compound ID	UJM0	04/27/23 10:05
Bis(2-ethylhexyl) phthalate		Invalid Compound ID	UJM0	04/27/23 10:06
Butylbenzylphthalate		Invalid Compound ID	UJM0	04/27/23 10:05
Chrysene		Invalid Compound ID	UJM0	04/27/23 10:06
Dibenz(a,h)anthracene		Invalid Compound ID	UJM0	04/27/23 10:06
Dibenzofuran		Invalid Compound ID	UJM0	04/27/23 10:05
Diethylphthalate		Invalid Compound ID	UJM0	04/27/23 10:05
Dimethylphthalate		Invalid Compound ID	UJM0	04/27/23 10:05
Di-n-butyl phthalate		Invalid Compound ID	UJM0	04/27/23 10:05
Fluoranthene		Invalid Compound ID	UJM0	04/27/23 10:05
Fluorene		Invalid Compound ID	UJM0	04/27/23 10:05
Hexachlorobenzene		Invalid Compound ID	UJM0	04/27/23 10:05
Indeno[1,2,3-cd]pyrene		Baseline	UJM0	04/27/23 05:19
Naphthalene		Invalid Compound ID	UJM0	04/27/23 10:05
N-Nitrosodimethylamine		Invalid Compound ID	UJM0	04/27/23 10:05
N-Nitrosodiphenylamine		Baseline	UJM0	04/27/23 05:18
Phenanthrene		Invalid Compound ID	UJM0	04/27/23 10:05
Pyrene		Invalid Compound ID	UJM0	04/27/23 10:05
Di-n-octyl phthalate	12.33	Invalid Compound ID	UJM0	04/27/23 10:06

8270D SIM

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 380829

Lab Sample ID: CCVIS 410-380829/2 Client Sample ID:

Date Analyzed: 05/30/23 04:50 Lab File ID: ME1161.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.77	Baseline	UJM0	05/30/23 05:11

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 382216

Lab Sample ID: CCVIS 410-382216/2 Client Sample ID:

Date Analyzed: 06/02/23 05:04 Lab File ID: MF0051.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthylene	7.22	Baseline	UJM0	06/02/23 05:39
Indeno[1,2,3-cd]pyrene	14.77	Baseline	UJM0	06/02/23 05:40

Lab Sample ID: MB 410-382041/1-A Client Sample ID:

Date Analyzed: 06/02/23 06:35 Lab File ID: MF0054.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.65	Baseline	UJM0	06/02/23 07:24
Di-n-octyl phthalate		Invalid Compound ID	UJM0	06/02/23 07:24
Indeno[1,2,3-cd]pyrene	14.79	Baseline	UJM0	06/02/23 07:24

Lab Sample ID: LCS 410-382041/2-A Client Sample ID:

Date Analyzed: 06/02/23 06:57 Lab File ID: MF0055.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.65	Baseline	UJM0	06/02/23 07:26
Naphthalene	5.71	Baseline	UJM0	06/02/23 07:26
Acenaphthylene	7.21	Baseline	UJM0	06/02/23 07:26
Indeno[1,2,3-cd]pyrene	14.77	Baseline	UJM0	06/02/23 07:26

Lab Sample ID: LCSD 410-382041/3-A Client Sample ID:

Date Analyzed: 06/02/23 07:18 Lab File ID: MF0056.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.75	Baseline	UJM0	06/02/23 07:53
N-Nitrosodimethylamine	2.03	Baseline	UJM0	06/02/23 07:53
Indeno[1,2,3-cd]pyrene	14.77	Baseline	UJM0	06/02/23 07:53

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 382216

Lab Sample ID: 410-127407-2 RE Client Sample ID: Dup-01_052023 RE

Date Analyzed: 06/02/23 07:40 Lab File ID: MF0057.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.75	Baseline	UJM0	06/02/23 08:03
Naphthalene	5.71	Baseline	UJM0	06/02/23 08:03
1-Methylnaphthalene	6.45	Baseline	UJM0	06/02/23 08:03
Acenaphthylene	7.21	Baseline	UJM0	06/02/23 08:04
Acenaphthene	7.36	Baseline	UJM0	06/02/23 08:04
Pyrene		Invalid Compound ID	UJM0	06/02/23 08:04
Benzo[a]anthracene	11.37	Baseline	UJM0	06/02/23 08:04
Indeno[1,2,3-cd]pyrene	14.77	Baseline	UJM0	06/02/23 08:05

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

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. 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. 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. 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. 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 Laborator Job No.: 410-127407-1

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. 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. 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 Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 380221

Lab Sample ID: MB 410-380061/1-A Client Sample ID:

Date Analyzed: 05/26/23 05:18 Lab File ID: NE0552.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Hexachlorobenzene	8.44	Baseline	UJM0	05/26/23 05:46
Di-n-octyl phthalate		Invalid Compound ID	UJM0	05/26/23 05:46

Lab Sample ID: LCS 410-380061/2-A Client Sample ID:

Date Analyzed: 05/26/23 05:40 Lab File ID: NE0553.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.70	Baseline	UJM0	05/26/23 06:21
Indeno[1,2,3-cd]pyrene	15.03	Baseline	UJM0	05/26/23 06:22

Lab Sample ID: LCSD 410-380061/3-A Client Sample ID:

Date Analyzed: 05/26/23 06:01 Lab File ID: NE0554.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	15.03	Baseline	UJM0	05/26/23 06:23

Lab Sample ID: 410-127407-3 Client Sample ID: FBW001_052023

Date Analyzed: 05/26/23 07:50 Lab File ID: NE0559.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-butyl phthalate	9.38	Baseline	UJM0	05/26/23 08:12
Di-n-octyl phthalate		Invalid Compound ID	UJM0	05/26/23 08:12

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 380221

Lab Sample ID: 410-127407-3 MS Client Sample ID: FBW001-MS_052023 MS

Date Analyzed: 05/26/23 08:12 Lab File ID: NE0560.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.68	Baseline	UJM0	05/26/23 08:37
Indeno[1,2,3-cd]pyrene	15.03	Baseline	UJM0	05/26/23 08:37

Lab Sample ID: 410-127407-3 MSD Client Sample ID: FBW001-MSD_052023 MSD

Date Analyzed: 05/26/23 08:33 Lab File ID: NE0561.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.68	Baseline	UJM0	05/26/23 08:58
Indeno[1,2,3-cd]pyrene	15.03	Baseline	UJM0	05/26/23 08:58

Lab Sample ID: 410-127407-1 Client Sample ID: FBS010_052023

Date Analyzed: 05/26/23 10:22 Lab File ID: NE0566.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Hexachlorobenzene	8.44	Invalid Compound ID	SJ89	05/26/23 20:28
Di-n-butyl phthalate	9.38	Split Peak	SJ89	05/26/23 20:28
Di-n-octyl phthalate		Invalid Compound ID	SJ89	05/26/23 20:28

Lab Sample ID: 410-127407-2 Client Sample ID: Dup-01_052023

Date Analyzed: 05/26/23 10:43 Lab File ID: NE0567.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-octyl phthalate		Invalid Compound ID	SJ89	05/26/23 20:28
Bis(2-ethylhexyl) phthalate	11.52	Split Peak	SJ89	05/26/23 20:28

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-127407-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 380221

Lab Sample ID: 410-127407-4 Client Sample ID: FB-01_052023

Date Analyzed: 05/26/23 11:05 Lab File ID: NE0568.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Hexachlorobenzene	8.44	Invalid Compound ID	SJ89	05/26/23 20:29
Di-n-butyl phthalate	9.38	Split Peak	SJ89	05/26/23 20:29
Di-n-octyl phthalate		Invalid Compound ID	SJ89	05/26/23 20:29
Bis(2-ethylhexyl) phthalate	11.52	Split Peak	SJ89	05/26/23 20:29

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSS_RV8270_1_00027	04/30/23	11/23/22	MeCl2, Lot 222743	1 mL	MSS_FV8270_1_00031	250 uL	Benzidine	0.375 ppm
							1,3,5-Trinitrobenzene	0.125 ppm
							1,4-Dinitrobenzene	0.125 ppm
							1-Naphthylamine	0.125 ppm
							2-Acetylaminofluorene	0.125 ppm
							2-Naphthylamine	0.125 ppm
							2-Picoline	0.125 ppm
							2-Toluidine	0.125 ppm
							3,3'-Dimethylbenzidine	0.125 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.125 ppm
							4-Aminobiphenyl	0.125 ppm
							4-Nitroquinoline-1-oxide	0.125 ppm
							Dibenz[a,h]acridine	0.125 ppm
							N-Nitro-o-toluidine	0.125 ppm
							N-Nitrosodi-n-butylamine	0.125 ppm
							N-Nitrosodiethylamine	0.125 ppm
							N-Nitrosomethylethylamine	0.125 ppm
							N-Nitrosomorpholine	0.125 ppm
							N-Nitrosopiperidine	0.125 ppm
							N-Nitrosopyrrolidine	0.125 ppm
							p-Dimethylamino azobenzene	0.125 ppm
							p-Phenylene diamine	0.125 ppm
							Pentachloronitrobenzene	0.125 ppm
							Phenacetin	0.125 ppm
							Pronamide	0.125 ppm
							Quinoline	0.125 ppm
							1,4-Naphthoquinone	0.125 ppm
							1-Chloronaphthalene	0.125 ppm
							7,12-Dimethylbenz(a)anthracene	0.125 ppm
							Chlorobenzilate	0.125 ppm
							Dinoseb	0.125 ppm
							Ethyl methanesulfonate	0.125 ppm
							Hexachloropropene	0.125 ppm
							Isodrin	0.125 ppm
							Isosafrole Peak 1	0.02 ppm
							Isosafrole Peak 2	0.105 ppm
							Methyl methanesulfonate	0.125 ppm
							Pentachlorobenzene	0.125 ppm
							3-Methylcholanthrene	0.125 ppm
							6-Methylchrysene	0.125 ppm
							cis-Diallate	0.0925 ppm
							Dimethoate	0.125 ppm
							Disulfoton	0.125 ppm
							Ethyl Parathion	0.125 ppm
							Methyl parathion	0.125 ppm
							o,o',o''-Triethylphosphorothioate	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phorate	0.125 ppm
							Safrole, Total	0.125 ppm
							Sulfotepp	0.125 ppm
							Thionazin	0.125 ppm
							trans-Diallate	0.0325 ppm
							2,4,6-Tribromophenol (Surr)	0.25 ppm
							2-Fluorobiphenyl (Surr)	0.25 ppm
							2-Fluorophenol (Surr)	0.25 ppm
							Nitrobenzene-d5 (Surr)	0.25 ppm
							p-Terphenyl-d14 (Surr)	0.25 ppm
							Phenol-d5 (Surr)	0.25 ppm
							Dibenz[a,j]acridine	0.125 ppm
							1,1'-Biphenyl	0.125 ppm
							1,2,4,5-Tetrachlorobenzene	0.125 ppm
							1,2,4-Trichlorobenzene	0.125 ppm
							1,2-Dichlorobenzene	0.125 ppm
							1,2-Diphenylhydrazine	0.125 ppm
							1,3-Dichlorobenzene	0.125 ppm
							1,3-Dinitrobenzene	0.125 ppm
							1,4-Dichlorobenzene	0.125 ppm
							1,4-Dioxane	0.125 ppm
							1-Methylnaphthalene	0.125 ppm
							2,2'-oxybis[1-chloropropane]	0.125 ppm
							2,3,4,6-Tetrachlorophenol	0.125 ppm
							2,4,5-Trichlorophenol	0.125 ppm
							2,4,6-Trichlorophenol	0.125 ppm
							2,4-Dichlorophenol	0.125 ppm
							2,4-Dimethylphenol	0.125 ppm
							2,4-Dinitrophenol	1.25 ppm
							2,4-Dinitrotoluene	0.125 ppm
							2,6-Dichlorophenol	0.125 ppm
							2,6-Dinitrotoluene	0.125 ppm
							2-Chloronaphthalene	0.125 ppm
							2-Chlorophenol	0.125 ppm
							2-Methylnaphthalene	0.125 ppm
							2-Methylphenol	0.125 ppm
							2-Nitroaniline	0.125 ppm
							2-Nitrophenol	0.125 ppm
							3-Nitroaniline	0.125 ppm
							4,6-Dinitro-2-methylphenol	0.75 ppm
							4-Bromophenyl phenyl ether	0.125 ppm
							4-Chloro-3-methylphenol	0.125 ppm
							4-Chloroaniline	0.125 ppm
							4-Chlorophenyl phenyl ether	0.125 ppm
							4-Methylphenol	0.125 ppm
							4-Nitroaniline	0.125 ppm
							4-Nitrophenol	0.75 ppm
							Acenaphthene	0.125 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	0.125 ppm
							Acetophenone	0.125 ppm
							Aniline	0.125 ppm
							Anthracene	0.125 ppm
							Benzo[a]anthracene	0.125 ppm
							Benzo[a]pyrene	0.125 ppm
							Benzo[b]fluoranthene	0.125 ppm
							Benzo[g,h,i]perylene	0.125 ppm
							Benzo[k]fluoranthene	0.125 ppm
							Benzyl alcohol	0.125 ppm
							Bis(2-chloroethoxy)methane	0.125 ppm
							Bis(2-chloroethyl)ether	0.125 ppm
							Bis(2-ethylhexyl) phthalate	0.125 ppm
							Butylbenzylphthalate	0.125 ppm
							Carbazole	0.125 ppm
							Chrysene	0.125 ppm
							Di-n-butyl phthalate	0.125 ppm
							Di-n-octyl phthalate	0.125 ppm
							Dibenz(a,h)anthracene	0.125 ppm
							Dibenzofuran	0.125 ppm
							Diethylphthalate	0.125 ppm
							Dimethylphthalate	0.125 ppm
							Fluoranthene	0.125 ppm
							Fluorene	0.125 ppm
							Hexachlorobenzene	0.125 ppm
							Hexachlorobutadiene	0.125 ppm
							Hexachlorocyclopentadiene	0.125 ppm
							Hexachloroethane	0.125 ppm
							Indeno[1,2,3-cd]pyrene	0.125 ppm
							Isophorone	0.125 ppm
							N-Nitrosodi-n-propylamine	0.125 ppm
							N-Nitrosodimethylamine	0.125 ppm
							N-Nitrosodiphenylamine	0.10625 ppm
							Naphthalene	0.125 ppm
							Nitrobenzene	0.125 ppm
							Pentachlorophenol	0.625 ppm
							Phenanthrene	0.125 ppm
							Phenol	0.125 ppm
							Pyrene	0.125 ppm
							Pyridine	0.25 ppm
							3,3'-Dichlorobenzidine	0.125 ppm
							Alpha-Terpineol	0.125 ppm
							Dimethylformamide	0.125 ppm
							Octachlorostyrene	0.125 ppm
							Phenyl ether	0.125 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FV8270_1_00031	04/30/23	11/23/22	MeCl2, Lot 222743	2 mL	MSS_FV8270_2_00028	1000 uL	Benzidine	1.5 ppm
							1,3,5-Trinitrobenzene	0.5 ppm
							1,4-Dinitrobenzene	0.5 ppm
							1-Naphthylamine	0.5 ppm
							2-Acetylaminofluorene	0.5 ppm
							2-Naphthylamine	0.5 ppm
							2-Picoline	0.5 ppm
							2-Toluidine	0.5 ppm
							3,3'-Dimethylbenzidine	0.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.5 ppm
							4-Aminobiphenyl	0.5 ppm
							4-Nitroquinoline-1-oxide	0.5 ppm
							Dibenz[a,h]acridine	0.5 ppm
							N-Nitro-o-toluidine	0.5 ppm
							N-Nitrosodi-n-butylamine	0.5 ppm
							N-Nitrosodiethylamine	0.5 ppm
							N-Nitrosomethylethylamine	0.5 ppm
							N-Nitrosomorpholine	0.5 ppm
							N-Nitrosopiperidine	0.5 ppm
							N-Nitrosopyrrolidine	0.5 ppm
							p-Dimethylamino azobenzene	0.5 ppm
							p-Phenylene diamine	0.5 ppm
							Pentachloronitrobenzene	0.5 ppm
							Phenacetin	0.5 ppm
							Pronamide	0.5 ppm
							Quinoline	0.5 ppm
							1,4-Naphthoquinone	0.5 ppm
							1-Chloronaphthalene	0.5 ppm
							7,12-Dimethylbenz(a)anthracene	0.5 ppm
							Chlorobenzilate	0.5 ppm
							Dinoseb	0.5 ppm
							Ethyl methanesulfonate	0.5 ppm
							Hexachloropropene	0.5 ppm
							Isodrin	0.5 ppm
							Isosafrole Peak 1	0.08 ppm
							Isosafrole Peak 2	0.42 ppm
							Methyl methanesulfonate	0.5 ppm
							Pentachlorobenzene	0.5 ppm
							3-Methylcholanthrene	0.5 ppm
							6-Methylchrysene	0.5 ppm
							cis-Diallate	0.37 ppm
							Dimethoate	0.5 ppm
							Disulfoton	0.5 ppm
							Ethyl Parathion	0.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl parathion	0.5 ppm
							o,o',o''-Triethylphosphorothioate	0.5 ppm
							Phorate	0.5 ppm
							Safrole, Total	0.5 ppm
							Sulfotepp	0.5 ppm
							Thionazin	0.5 ppm
							trans-Diallate	0.13 ppm
							2,4,6-Tribromophenol (Surr)	1 ppm
							2-Fluorobiphenyl (Surr)	1 ppm
							2-Fluorophenol (Surr)	1 ppm
							Nitrobenzene-d5 (Surr)	1 ppm
							p-Terphenyl-d14 (Surr)	1 ppm
							Phenol-d5 (Surr)	1 ppm
							Dibenz[a,j]acridine	0.5 ppm
							1,1'-Biphenyl	0.5 ppm
							1,2,4,5-Tetrachlorobenzene	0.5 ppm
							1,2,4-Trichlorobenzene	0.5 ppm
							1,2-Dichlorobenzene	0.5 ppm
							1,2-Diphenylhydrazine	0.5 ppm
							1,3-Dichlorobenzene	0.5 ppm
							1,3-Dinitrobenzene	0.5 ppm
							1,4-Dichlorobenzene	0.5 ppm
							1,4-Dioxane	0.5 ppm
							1-Methylnaphthalene	0.5 ppm
							2,2'-oxybis[1-chloropropane]	0.5 ppm
							2,3,4,6-Tetrachlorophenol	0.5 ppm
							2,4,5-Trichlorophenol	0.5 ppm
							2,4,6-Trichlorophenol	0.5 ppm
							2,4-Dichlorophenol	0.5 ppm
							2,4-Dimethylphenol	0.5 ppm
							2,4-Dinitrophenol	5 ppm
							2,4-Dinitrotoluene	0.5 ppm
							2,6-Dichlorophenol	0.5 ppm
							2,6-Dinitrotoluene	0.5 ppm
							2-Chloronaphthalene	0.5 ppm
							2-Chlorophenol	0.5 ppm
							2-Methylnaphthalene	0.5 ppm
							2-Methylphenol	0.5 ppm
							2-Nitroaniline	0.5 ppm
							2-Nitrophenol	0.5 ppm
							3-Nitroaniline	0.5 ppm
							4,6-Dinitro-2-methylphenol	3 ppm
							4-Bromophenyl phenyl ether	0.5 ppm
							4-Chloro-3-methylphenol	0.5 ppm
							4-Chloroaniline	0.5 ppm
							4-Chlorophenyl phenyl ether	0.5 ppm
							4-Methylphenol	0.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	0.5 ppm
							4-Nitrophenol	3 ppm
							Acenaphthene	0.5 ppm
							Acenaphthylene	0.5 ppm
							Acetophenone	0.5 ppm
							Aniline	0.5 ppm
							Anthracene	0.5 ppm
							Benzo[a]anthracene	0.5 ppm
							Benzo[a]pyrene	0.5 ppm
							Benzo[b]fluoranthene	0.5 ppm
							Benzo[g,h,i]perylene	0.5 ppm
							Benzo[k]fluoranthene	0.5 ppm
							Benzyl alcohol	0.5 ppm
							Bis(2-chloroethoxy)methane	0.5 ppm
							Bis(2-chloroethyl)ether	0.5 ppm
							Bis(2-ethylhexyl) phthalate	0.5 ppm
							Butylbenzylphthalate	0.5 ppm
							Carbazole	0.5 ppm
							Chrysene	0.5 ppm
							Di-n-butyl phthalate	0.5 ppm
							Di-n-octyl phthalate	0.5 ppm
							Dibenz(a,h)anthracene	0.5 ppm
							Dibenzofuran	0.5 ppm
							Diethylphthalate	0.5 ppm
							Dimethylphthalate	0.5 ppm
							Fluoranthene	0.5 ppm
							Fluorene	0.5 ppm
							Hexachlorobenzene	0.5 ppm
							Hexachlorobutadiene	0.5 ppm
							Hexachlorocyclopentadiene	0.5 ppm
							Hexachloroethane	0.5 ppm
							Indeno[1,2,3-cd]pyrene	0.5 ppm
							Isophorone	0.5 ppm
							N-Nitrosodi-n-propylamine	0.5 ppm
							N-Nitrosodimethylamine	0.5 ppm
							N-Nitrosodiphenylamine	0.425 ppm
							Naphthalene	0.5 ppm
							Nitrobenzene	0.5 ppm
							Pentachlorophenol	2.5 ppm
							Phenanthrene	0.5 ppm
							Phenol	0.5 ppm
							Pyrene	0.5 ppm
							Pyridine	1 ppm
							3,3'-Dichlorobenzidine	0.5 ppm
							Alpha-Terpineol	0.5 ppm
							Dimethylformamide	0.5 ppm
							Octachlorostyrene	0.5 ppm
							Phenyl ether	0.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
					MSS_FV8270_IS_00005	20 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_FV8270_2_00028	04/30/23	11/23/22	MeCl2, Lot 222743	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	0.84 ppm
							Methyl methanesulfonate	1 ppm
							Pentachlorobenzene	1 ppm
							3-Methylcholanthrene	1 ppm
							6-Methylchrysene	1 ppm
							cis-Diallate	0.74 ppm
							Dimethoate	1 ppm
							Disulfoton	1 ppm
							Ethyl Parathion	1 ppm
							Methyl parathion	1 ppm
							o,o',o''-Triethylphosphorothioate	1 ppm
							Phorate	1 ppm
							Safrole, Total	1 ppm
							Sulfotepp	1 ppm
							Thionazin	1 ppm
							trans-Diallate	0.26 ppm
					MSS_8270_WS_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	1 ppm
							2-Nitrophenol	1 ppm
							3-Nitroaniline	1 ppm
							4,6-Dinitro-2-methylphenol	6 ppm
							4-Bromophenyl phenyl ether	1 ppm
							4-Chloro-3-methylphenol	1 ppm
							4-Chloroaniline	1 ppm
							4-Chlorophenyl phenyl ether	1 ppm
							4-Methylphenol	1 ppm
							4-Nitroaniline	1 ppm
							4-Nitrophenol	6 ppm
							Acenaphthene	1 ppm
							Acenaphthylene	1 ppm
							Acetophenone	1 ppm
							Aniline	1 ppm
							Anthracene	1 ppm
							Benzo[a]anthracene	1 ppm
							Benzo[a]pyrene	1 ppm
							Benzo[b]fluoranthene	1 ppm
							Benzo[g,h,i]perylene	1 ppm
							Benzo[k]fluoranthene	1 ppm
							Benzyl alcohol	1 ppm
							Bis(2-chloroethoxy)methane	1 ppm
							Bis(2-chloroethyl)ether	1 ppm
							Bis(2-ethylhexyl) phthalate	1 ppm
							Butylbenzylphthalate	1 ppm
							Carbazole	1 ppm
							Chrysene	1 ppm
							Di-n-butyl phthalate	1 ppm
							Di-n-octyl phthalate	1 ppm
							Dibenz(a,h)anthracene	1 ppm
							Dibenzofuran	1 ppm
							Diethylphthalate	1 ppm
							Dimethylphthalate	1 ppm
							Fluoranthene	1 ppm
							Fluorene	1 ppm
							Hexachlorobenzene	1 ppm
							Hexachlorobutadiene	1 ppm
							Hexachlorocyclopentadiene	1 ppm
							Hexachloroethane	1 ppm
							Indeno[1,2,3-cd]pyrene	1 ppm
							Isophorone	1 ppm
							N-Nitrosodi-n-propylamine	1 ppm
							N-Nitrosodimethylamine	1 ppm
							N-Nitrosodiphenylamine	0.85 ppm
							Naphthalene	1 ppm
							Nitrobenzene	1 ppm
							Pentachlorophenol	5 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	1 ppm
							Phenol	1 ppm
							Pyrene	1 ppm
							Pyridine	2 ppm
							3,3'-Dichlorobenzidine	1 ppm
							Benzidine	3 ppm
							Alpha-Terpineol	1 ppm
							Dimethylformamide	1 ppm
							Octachlorostyrene	1 ppm
							Phenyl ether	1 ppm
					MSS_AB_24DNP_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_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	10/27/25		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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
....OP_RES_APPX2_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
....OP_RES_LCS2_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_1_00028	07/24/23	03/22/23	MeCl2, Lot 226679	1 mL	MSS_FV8270_1_00032	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiethylamine	0.125 ppm
							N-Nitrosomethylethylamine	0.125 ppm
							N-Nitrosomorpholine	0.125 ppm
							N-Nitrosopiperidine	0.125 ppm
							N-Nitrosopyrrolidine	0.125 ppm
							p-Dimethylamino azobenzene	0.125 ppm
							p-Phenylene diamine	0.125 ppm
							Pentachloronitrobenzene	0.125 ppm
							Phenacetin	0.125 ppm
							Pronamide	0.125 ppm
							Quinoline	0.125 ppm
							1,4-Naphthoquinone	0.125 ppm
							1-Chloronaphthalene	0.125 ppm
							7,12-Dimethylbenz(a)anthracene	0.125 ppm
							Chlorobenzilate	0.125 ppm
							Dinoseb	0.125 ppm
							Ethyl methanesulfonate	0.125 ppm
							Hexachloropropene	0.125 ppm
							Isodrin	0.125 ppm
							Isosafrole Peak 1	0.02 ppm
							Isosafrole Peak 2	0.105 ppm
							Methyl methanesulfonate	0.125 ppm
							Pentachlorobenzene	0.125 ppm
							3-Methylcholanthrene	0.125 ppm
							6-Methylchrysene	0.125 ppm
							cis-Diallate	0.0925 ppm
							Dimethoate	0.125 ppm
							Disulfoton	0.125 ppm
							Ethyl Parathion	0.125 ppm
							Methyl parathion	0.125 ppm
							o,o',o''-Triethylphosphorothioate	0.125 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	0.125 ppm
							1,3-Dichlorobenzene	0.125 ppm
							1,3-Dinitrobenzene	0.125 ppm
							1,4-Dichlorobenzene	0.125 ppm
							1,4-Dioxane	0.125 ppm
							1-Methylnaphthalene	0.125 ppm
							2,2'-oxybis[1-chloropropane]	0.125 ppm
							2,3,4,6-Tetrachlorophenol	0.125 ppm
							2,4,5-Trichlorophenol	0.125 ppm
							2,4,6-Trichlorophenol	0.125 ppm
							2,4-Dichlorophenol	0.125 ppm
							2,4-Dimethylphenol	0.125 ppm
							2,4-Dinitrophenol	1.25 ppm
							2,4-Dinitrotoluene	0.125 ppm
							2,6-Dichlorophenol	0.125 ppm
							2,6-Dinitrotoluene	0.125 ppm
							2-Chloronaphthalene	0.125 ppm
							2-Chlorophenol	0.125 ppm
							2-Methylnaphthalene	0.125 ppm
							2-Methylphenol	0.125 ppm
							2-Nitroaniline	0.125 ppm
							2-Nitrophenol	0.125 ppm
							3-Nitroaniline	0.125 ppm
							4,6-Dinitro-2-methylphenol	0.75 ppm
							4-Bromophenyl phenyl ether	0.125 ppm
							4-Chloro-3-methylphenol	0.125 ppm
							4-Chloroaniline	0.125 ppm
							4-Chlorophenyl phenyl ether	0.125 ppm
							4-Methylphenol	0.125 ppm
							4-Nitroaniline	0.125 ppm
							4-Nitrophenol	0.75 ppm
							Acenaphthene	0.125 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	0.125 ppm
							Di-n-octyl phthalate	0.125 ppm
							Dibenz(a,h)anthracene	0.125 ppm
							Dibenzofuran	0.125 ppm
							Diethylphthalate	0.125 ppm
							Dimethylphthalate	0.125 ppm
							Fluoranthene	0.125 ppm
							Fluorene	0.125 ppm
							Hexachlorobenzene	0.125 ppm
							Hexachlorobutadiene	0.125 ppm
							Hexachlorocyclopentadiene	0.125 ppm
							Hexachloroethane	0.125 ppm
							Indeno[1,2,3-cd]pyrene	0.125 ppm
							Isophorone	0.125 ppm
							N-Nitrosodi-n-propylamine	0.125 ppm
							N-Nitrosodimethylamine	0.125 ppm
							N-Nitrosodiphenylamine	0.10625 ppm
							Naphthalene	0.125 ppm
							Nitrobenzene	0.125 ppm
							Pentachlorophenol	0.625 ppm
							Phenanthrene	0.125 ppm
							Phenol	0.125 ppm
							Pyrene	0.125 ppm
							Pyridine	0.25 ppm
							3,3'-Dichlorobenzidine	0.125 ppm
							Alpha-Terpineol	0.125 ppm
							Dimethylformamide	0.125 ppm
							Octachlorostyrene	0.125 ppm
							Phenyl ether	0.125 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FV8270_1_00032	07/24/23	03/22/23	MeCl2, Lot 226679	2 mL	MSS_FV8270_2_00029	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,h]acridine	0.5 ppm
							N-Nitro-o-toluidine	0.5 ppm
							N-Nitrosodi-n-butylamine	0.5 ppm
							N-Nitrosodiethylamine	0.5 ppm
							N-Nitrosomethylethylamine	0.5 ppm
							N-Nitrosomorpholine	0.5 ppm
							N-Nitrosopiperidine	0.5 ppm
							N-Nitrosopyrrolidine	0.5 ppm
							p-Dimethylamino azobenzene	0.5 ppm
							p-Phenylene diamine	0.5 ppm
							Pentachloronitrobenzene	0.5 ppm
							Phenacetin	0.5 ppm
							Pronamide	0.5 ppm
							Quinoline	0.5 ppm
							1,4-Naphthoquinone	0.5 ppm
							1-Chloronaphthalene	0.5 ppm
							7,12-Dimethylbenz(a)anthracene	0.5 ppm
							Chlorobenzilate	0.5 ppm
							Dinoseb	0.5 ppm
							Ethyl methanesulfonate	0.5 ppm
							Hexachloropropene	0.5 ppm
							Isodrin	0.5 ppm
							Isosafrole Peak 1	0.08 ppm
							Isosafrole Peak 2	0.42 ppm
							Methyl methanesulfonate	0.5 ppm
							Pentachlorobenzene	0.5 ppm
							3-Methylcholanthrene	0.5 ppm
							6-Methylchrysene	0.5 ppm
							cis-Diallate	0.37 ppm
							Dimethoate	0.5 ppm
							Disulfoton	0.5 ppm
							Ethyl Parathion	0.5 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	0.5 ppm
							1,2,4-Trichlorobenzene	0.5 ppm
							1,2-Dichlorobenzene	0.5 ppm
							1,2-Diphenylhydrazine	0.5 ppm
							1,3-Dichlorobenzene	0.5 ppm
							1,3-Dinitrobenzene	0.5 ppm
							1,4-Dichlorobenzene	0.5 ppm
							1,4-Dioxane	0.5 ppm
							1-Methylnaphthalene	0.5 ppm
							2,2'-oxybis[1-chloropropane]	0.5 ppm
							2,3,4,6-Tetrachlorophenol	0.5 ppm
							2,4,5-Trichlorophenol	0.5 ppm
							2,4,6-Trichlorophenol	0.5 ppm
							2,4-Dichlorophenol	0.5 ppm
							2,4-Dimethylphenol	0.5 ppm
							2,4-Dinitrophenol	5 ppm
							2,4-Dinitrotoluene	0.5 ppm
							2,6-Dichlorophenol	0.5 ppm
							2,6-Dinitrotoluene	0.5 ppm
							2-Chloronaphthalene	0.5 ppm
							2-Chlorophenol	0.5 ppm
							2-Methylnaphthalene	0.5 ppm
							2-Methylphenol	0.5 ppm
							2-Nitroaniline	0.5 ppm
							2-Nitrophenol	0.5 ppm
							3-Nitroaniline	0.5 ppm
							4,6-Dinitro-2-methylphenol	3 ppm
							4-Bromophenyl phenyl ether	0.5 ppm
							4-Chloro-3-methylphenol	0.5 ppm
							4-Chloroaniline	0.5 ppm
							4-Chlorophenyl phenyl ether	0.5 ppm
							4-Methylphenol	0.5 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butylbenzylphthalate	0.5 ppm
							Carbazole	0.5 ppm
							Chrysene	0.5 ppm
							Di-n-butyl phthalate	0.5 ppm
							Di-n-octyl phthalate	0.5 ppm
							Dibenz(a,h)anthracene	0.5 ppm
							Dibenzofuran	0.5 ppm
							Diethylphthalate	0.5 ppm
							Dimethylphthalate	0.5 ppm
							Fluoranthene	0.5 ppm
							Fluorene	0.5 ppm
							Hexachlorobenzene	0.5 ppm
							Hexachlorobutadiene	0.5 ppm
							Hexachlorocyclopentadiene	0.5 ppm
							Hexachloroethane	0.5 ppm
							Indeno[1,2,3-cd]pyrene	0.5 ppm
							Isophorone	0.5 ppm
							N-Nitrosodi-n-propylamine	0.5 ppm
							N-Nitrosodimethylamine	0.5 ppm
							N-Nitrosodiphenylamine	0.425 ppm
							Naphthalene	0.5 ppm
							Nitrobenzene	0.5 ppm
							Pentachlorophenol	2.5 ppm
							Phenanthrene	0.5 ppm
							Phenol	0.5 ppm
							Pyrene	0.5 ppm
							Pyridine	1 ppm
							3,3'-Dichlorobenzidine	0.5 ppm
							Alpha-Terpineol	0.5 ppm
							Dimethylformamide	0.5 ppm
							Octachlorostyrene	0.5 ppm
							Phenyl ether	0.5 ppm
							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_00029	07/24/23	03/22/23	MeCl2, Lot 226679	5 mL	MSS_8270_APWS_00014	20 uL	Benzidine	3 ppm
							1,3,5-Trinitrobenzene	1 ppm
							1,4-Dinitrobenzene	1 ppm
							1-Naphthylamine	1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Acetylaminofluorene	1 ppm
							2-Naphthylamine	1 ppm
							2-Picoline	1 ppm
							2-Toluidine	1 ppm
							3,3'-Dimethylbenzidine	1 ppm
							4,4'-Methylene bis(2-chloroaniline)	1 ppm
							4-Aminobiphenyl	1 ppm
							4-Nitroquinoline-1-oxide	1 ppm
							Dibenz[a,h]acridine	1 ppm
							N-Nitro-o-toluidine	1 ppm
							N-Nitrosodi-n-butylamine	1 ppm
							N-Nitrosodiethylamine	1 ppm
							N-Nitrosomethylethylamine	1 ppm
							N-Nitrosomorpholine	1 ppm
							N-Nitrosopiperidine	1 ppm
							N-Nitrosopyrrolidine	1 ppm
							p-Dimethylamino azobenzene	1 ppm
							p-Phenylene diamine	1 ppm
							Pentachloronitrobenzene	1 ppm
							Phenacetin	1 ppm
							Pronamide	1 ppm
							Quinoline	1 ppm
							1,4-Naphthoquinone	1 ppm
							1-Chloronaphthalene	1 ppm
							7,12-Dimethylbenz(a)anthracene	1 ppm
							Chlorobenzilate	1 ppm
							Dinoseb	1 ppm
							Ethyl methanesulfonate	1 ppm
							Hexachloropropene	1 ppm
							Isodrin	1 ppm
							Isosafrole Peak 1	0.16 ppm
							Isosafrole Peak 2	0.84 ppm
							Methyl methanesulfonate	1 ppm
							Pentachlorobenzene	1 ppm
							3-Methylcholanthrene	1 ppm
							6-Methylchrysene	1 ppm
							cis-Diallate	0.74 ppm
							Dimethoate	1 ppm
							Disulfoton	1 ppm
							Ethyl Parathion	1 ppm
							Methyl parathion	1 ppm
							o,o',o''-Triethylphosphorothioate	1 ppm
							Phorate	1 ppm
							Safrole, Total	1 ppm
							Sulfotepp	1 ppm
							Thionazin	1 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	0.26 ppm
					MSS_8270_WS_00015	20 uL	2,4,6-Tribromophenol (Surr)	2 ppm
							2-Fluorobiphenyl (Surr)	2 ppm
							2-Fluorophenol (Surr)	2 ppm
							Nitrobenzene-d5 (Surr)	2 ppm
							p-Terphenyl-d14 (Surr)	2 ppm
							Phenol-d5 (Surr)	2 ppm
							Dibenz[a,j]acridine	1 ppm
							1,1'-Biphenyl	1 ppm
							1,2,4,5-Tetrachlorobenzene	1 ppm
							1,2,4-Trichlorobenzene	1 ppm
							1,2-Dichlorobenzene	1 ppm
							1,2-Diphenylhydrazine	1 ppm
							1,3-Dichlorobenzene	1 ppm
							1,3-Dinitrobenzene	1 ppm
							1,4-Dichlorobenzene	1 ppm
							1,4-Dioxane	1 ppm
							1-Methylnaphthalene	1 ppm
							2,2'-oxybis[1-chloropropane]	1 ppm
							2,3,4,6-Tetrachlorophenol	1 ppm
							2,4,5-Trichlorophenol	1 ppm
							2,4,6-Trichlorophenol	1 ppm
							2,4-Dichlorophenol	1 ppm
							2,4-Dimethylphenol	1 ppm
							2,4-Dinitrophenol	10 ppm
							2,4-Dinitrotoluene	1 ppm
							2,6-Dichlorophenol	1 ppm
							2,6-Dinitrotoluene	1 ppm
							2-Chloronaphthalene	1 ppm
							2-Chlorophenol	1 ppm
							2-Methylnaphthalene	1 ppm
							2-Methylphenol	1 ppm
							2-Nitroaniline	1 ppm
							2-Nitrophenol	1 ppm
							3-Nitroaniline	1 ppm
							4,6-Dinitro-2-methylphenol	6 ppm
							4-Bromophenyl phenyl ether	1 ppm
							4-Chloro-3-methylphenol	1 ppm
							4-Chloroaniline	1 ppm
							4-Chlorophenyl phenyl ether	1 ppm
							4-Methylphenol	1 ppm
							4-Nitroaniline	1 ppm
							4-Nitrophenol	6 ppm
							Acenaphthene	1 ppm
							Acenaphthylene	1 ppm
							Acetophenone	1 ppm
							Aniline	1 ppm
							Anthracene	1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	1 ppm
							Benzo[a]pyrene	1 ppm
							Benzo[b]fluoranthene	1 ppm
							Benzo[g,h,i]perylene	1 ppm
							Benzo[k]fluoranthene	1 ppm
							Benzyl alcohol	1 ppm
							Bis(2-chloroethoxy)methane	1 ppm
							Bis(2-chloroethyl)ether	1 ppm
							Bis(2-ethylhexyl) phthalate	1 ppm
							Butylbenzylphthalate	1 ppm
							Carbazole	1 ppm
							Chrysene	1 ppm
							Di-n-butyl phthalate	1 ppm
							Di-n-octyl phthalate	1 ppm
							Dibenz(a,h)anthracene	1 ppm
							Dibenzofuran	1 ppm
							Diethylphthalate	1 ppm
							Dimethylphthalate	1 ppm
							Fluoranthene	1 ppm
							Fluorene	1 ppm
							Hexachlorobenzene	1 ppm
							Hexachlorobutadiene	1 ppm
							Hexachlorocyclopentadiene	1 ppm
							Hexachloroethane	1 ppm
							Indeno[1,2,3-cd]pyrene	1 ppm
							Isophorone	1 ppm
							N-Nitrosodi-n-propylamine	1 ppm
							N-Nitrosodimethylamine	1 ppm
							N-Nitrosodiphenylamine	0.85 ppm
							Naphthalene	1 ppm
							Nitrobenzene	1 ppm
							Pentachlorophenol	5 ppm
							Phenanthrene	1 ppm
							Phenol	1 ppm
							Pyrene	1 ppm
							Pyridine	2 ppm
							3,3'-Dichlorobenzidine	1 ppm
							Benzidine	3 ppm
							Alpha-Terpineol	1 ppm
							Dimethylformamide	1 ppm
							Octachlorostyrene	1 ppm
							Phenyl ether	1 ppm
					MSS_AB_24DNP_00007	40 uL	2,4-Dinitrophenol	10 ppm
					MSS_AB_46D2MP_00004	20 uL	4,6-Dinitro-2-methylphenol	6 ppm
					MSS_AB_4NP_00003	20 uL	4-Nitrophenol	6 ppm
					MSS_AB_PCP_00004	15 uL	Pentachlorophenol	5 ppm
					MSS_FV8270_IS_00005	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
...MSS_8270_APWS_00014	08/31/23	03/22/23	MeCl2, Lot 226679	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00009	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_00011	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_00007	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00008	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
....MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
....OP_RES_APPX1_00009	08/31/23		Restek, Lot A0188198		(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_00011	01/31/24		Restek, Lot A0193498		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
....OP_RES_APPX3_00007	01/31/24		Restek, Lot A0193475		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
....OP_RES_APPX4_00008	01/31/25		Restek, Lot A0193163		(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_00015	09/22/23	03/22/23	MeCl2, Lot 226679	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_00011	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	500 ppm
					OP_RES_LCS2_00009	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00003	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_00011	04/30/24	Restek, Lot A0190414			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
....OP_RES_LCS2_00009	02/29/24		Restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
....OP_RES_LCSadd_00003	02/28/26		Restek, Lot A0194427		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...MSS_AB_24DNP_00007	12/09/25		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
...MSS_AB_46D2MP_00004	11/19/24		Absolute, Lot 111919		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
...MSS_AB_4NP_00003	07/24/23		Absolute, Lot 072418		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
...MSS_AB_PCP_00004	06/22/27		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_00028	04/30/23	11/23/22	MeCl2, Lot 222743	3 mL	MSS_BAS_WS_00009	7.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_FV8270_2_00028	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							Thionazin	0.25 ppm
							trans-Diallate	0.065 ppm
							2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Methylphenol	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl phenyl ether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl phenyl ether	0.25 ppm
							4-Methylphenol	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	0.25 ppm
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							N-Nitrosodiphenylamine	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm
							Phenyl ether	0.25 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00009	05/23/23	11/23/22	MeCl2, Lot 222743	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_2_00028	04/30/23	11/23/22	MeCl2, Lot 222743	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopyrrolidine	1 ppm
							p-Dimethylamino azobenzene	1 ppm
							p-Phenylene diamine	1 ppm
							Pentachloronitrobenzene	1 ppm
							Phenacetin	1 ppm
							Pronamide	1 ppm
							Quinoline	1 ppm
							1,4-Naphthoquinone	1 ppm
							1-Chloronaphthalene	1 ppm
							7,12-Dimethylbenz(a)anthracene	1 ppm
							Chlorobenzilate	1 ppm
							Dinoseb	1 ppm
							Ethyl methanesulfonate	1 ppm
							Hexachloropropene	1 ppm
							Isodrin	1 ppm
							Isosafrole Peak 1	0.16 ppm
							Isosafrole Peak 2	0.84 ppm
							Methyl methanesulfonate	1 ppm
							Pentachlorobenzene	1 ppm
							3-Methylcholanthrene	1 ppm
							6-Methylchrysene	1 ppm
							cis-Diallate	0.74 ppm
							Dimethoate	1 ppm
							Disulfoton	1 ppm
							Ethyl Parathion	1 ppm
							Methyl parathion	1 ppm
							o,o',o''-Triethylphosphorothioate	1 ppm
							Phorate	1 ppm
							Safrole, Total	1 ppm
							Sulfotepp	1 ppm
							Thionazin	1 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	1 ppm
							1-Methylnaphthalene	1 ppm
							2,2'-oxybis[1-chloropropane]	1 ppm
							2,3,4,6-Tetrachlorophenol	1 ppm
							2,4,5-Trichlorophenol	1 ppm
							2,4,6-Trichlorophenol	1 ppm
							2,4-Dichlorophenol	1 ppm
							2,4-Dimethylphenol	1 ppm
							2,4-Dinitrophenol	10 ppm
							2,4-Dinitrotoluene	1 ppm
							2,6-Dichlorophenol	1 ppm
							2,6-Dinitrotoluene	1 ppm
							2-Chloronaphthalene	1 ppm
							2-Chlorophenol	1 ppm
							2-Methylnaphthalene	1 ppm
							2-Methylphenol	1 ppm
							2-Nitroaniline	1 ppm
							2-Nitrophenol	1 ppm
							3-Nitroaniline	1 ppm
							4,6-Dinitro-2-methylphenol	6 ppm
							4-Bromophenyl phenyl ether	1 ppm
							4-Chloro-3-methylphenol	1 ppm
							4-Chloroaniline	1 ppm
							4-Chlorophenyl phenyl ether	1 ppm
							4-Methylphenol	1 ppm
							4-Nitroaniline	1 ppm
							4-Nitrophenol	6 ppm
							Acenaphthene	1 ppm
							Acenaphthylene	1 ppm
							Acetophenone	1 ppm
							Aniline	1 ppm
							Anthracene	1 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethylphthalate	1 ppm
							Dimethylphthalate	1 ppm
							Fluoranthene	1 ppm
							Fluorene	1 ppm
							Hexachlorobenzene	1 ppm
							Hexachlorobutadiene	1 ppm
							Hexachlorocyclopentadiene	1 ppm
							Hexachloroethane	1 ppm
							Indeno[1,2,3-cd]pyrene	1 ppm
							Isophorone	1 ppm
							N-Nitrosodi-n-propylamine	1 ppm
							N-Nitrosodimethylamine	1 ppm
							N-Nitrosodiphenylamine	0.85 ppm
							Naphthalene	1 ppm
							Nitrobenzene	1 ppm
							Pentachlorophenol	5 ppm
							Phenanthrene	1 ppm
							Phenol	1 ppm
							Pyrene	1 ppm
							Pyridine	2 ppm
							3,3'-Dichlorobenzidine	1 ppm
							Benzidine	3 ppm
							Alpha-Terpineol	1 ppm
							Dimethylformamide	1 ppm
							Octachlorostyrene	1 ppm
							Phenyl ether	1 ppm
					MSS_AB_24DNP_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	10/27/25		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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	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
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	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
...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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	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
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_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_2_00029	06/30/23	03/22/23	MeCl2, Lot 226679	3 mL	MSS_BAS_WS_00010	7.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_FV8270_2_00029	750 uL	Benzidine	0.75 ppm
							1,3,5-Trinitrobenzene	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dinitrobenzene	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
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00010	06/30/23	03/22/23	MeCl2, Lot 226679	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23	Restek, Lot A0179852			(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_2_00029	07/24/23	03/22/23	MeCl2, Lot 226679	5 mL	MSS_8270_APWS_00014	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
							Methyl methanesulfonate	1 ppm
							Pentachlorobenzene	1 ppm
							3-Methylcholanthrene	1 ppm
							6-Methylchrysene	1 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00015	20 uL	2,4,6-Tribromophenol (Surr)	2 ppm
							2-Fluorobiphenyl (Surr)	2 ppm
							2-Fluorophenol (Surr)	2 ppm
							Nitrobenzene-d5 (Surr)	2 ppm
							p-Terphenyl-d14 (Surr)	2 ppm
							Phenol-d5 (Surr)	2 ppm
							Dibenz[a,j]acridine	1 ppm
							1,1'-Biphenyl	1 ppm
							1,2,4,5-Tetrachlorobenzene	1 ppm
							1,2,4-Trichlorobenzene	1 ppm
							1,2-Dichlorobenzene	1 ppm
							1,2-Diphenylhydrazine	1 ppm
							1,3-Dichlorobenzene	1 ppm
							1,3-Dinitrobenzene	1 ppm
							1,4-Dichlorobenzene	1 ppm
							1,4-Dioxane	1 ppm
							1-Methylnaphthalene	1 ppm
							2,2'-oxybis[1-chloropropane]	1 ppm
							2,3,4,6-Tetrachlorophenol	1 ppm
							2,4,5-Trichlorophenol	1 ppm
							2,4,6-Trichlorophenol	1 ppm
							2,4-Dichlorophenol	1 ppm
							2,4-Dimethylphenol	1 ppm
							2,4-Dinitrophenol	10 ppm
							2,4-Dinitrotoluene	1 ppm
							2,6-Dichlorophenol	1 ppm
							2,6-Dinitrotoluene	1 ppm
							2-Chloronaphthalene	1 ppm
							2-Chlorophenol	1 ppm
							2-Methylnaphthalene	1 ppm
							2-Methylphenol	1 ppm
							2-Nitroaniline	1 ppm
							2-Nitrophenol	1 ppm
							3-Nitroaniline	1 ppm
							4,6-Dinitro-2-methylphenol	6 ppm
							4-Bromophenyl phenyl ether	1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	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
							Phenol	1 ppm
							Pyrene	1 ppm
							Pyridine	2 ppm
							3,3'-Dichlorobenzidine	1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	3 ppm
							Alpha-Terpineol	1 ppm
							Dimethylformamide	1 ppm
							Octachlorostyrene	1 ppm
							Phenyl ether	1 ppm
					MSS_AB_24DNP_00007	40 uL	2,4-Dinitrophenol	10 ppm
					MSS_AB_46D2MP_00004	20 uL	4,6-Dinitro-2-methylphenol	6 ppm
					MSS_AB_4NP_00003	20 uL	4-Nitrophenol	6 ppm
					MSS_AB_PCP_00004	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_00014	08/31/23	03/22/23	MeCl2, Lot 226679	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00009	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_00011	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00007	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00008	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	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00009	08/31/23		Restek, Lot A0188198		(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_00011	01/31/24		Restek, Lot A0193498		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00007	01/31/24		Restek, Lot A0193475		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00008	01/31/25		Restek, Lot A0193163		(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_00015	09/22/23	03/22/23	MeCl2, Lot 226679	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_00011	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00009	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00003	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_00011	04/30/24		Restek, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00009	02/29/24		Restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00003	02/28/26		Restek, Lot A0194427		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_AB_24DNP_00007	12/09/25		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00004	11/19/24		Absolute, Lot 111919		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00003	07/24/23		Absolute, Lot 072418		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
..MSS_AB_PCP_00004	06/22/27		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_00025	04/30/23	11/23/22	MeCl2, Lot 222743	1 mL	MSS_BAS_WS_00009	12.5 uL	Atrazine	1.25 ppm
							Benzaldehyde	1.25 ppm
							Caprolactam	1.25 ppm
					MSS_FV8270_3_00029	250 uL	Benzidine	3.75 ppm
							1,3,5-Trinitrobenzene	1.25 ppm
							1,4-Dinitrobenzene	1.25 ppm
							1-Naphthylamine	1.25 ppm
							2-Acetylaminofluorene	1.25 ppm
							2-Naphthylamine	1.25 ppm
							2-Picoline	1.25 ppm
							2-Toluidine	1.25 ppm
							3,3'-Dimethylbenzidine	1.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	1.25 ppm
							4-Aminobiphenyl	1.25 ppm
							4-Nitroquinoline-1-oxide	1.25 ppm
							Dibenz[a,h]acridine	1.25 ppm
							N-Nitro-o-toluidine	1.25 ppm
							N-Nitrosodi-n-butylamine	1.25 ppm
							N-Nitrosodiethylamine	1.25 ppm
							N-Nitrosomethylethylamine	1.25 ppm
							N-Nitrosomorpholine	1.25 ppm
							N-Nitrosopiperidine	1.25 ppm
							N-Nitrosopyrrolidine	1.25 ppm
							p-Dimethylamino azobenzene	1.25 ppm
							p-Phenylene diamine	1.25 ppm
							Pentachloronitrobenzene	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	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
							Diethylphthalate	1.25 ppm
							Dimethylphthalate	1.25 ppm
							Fluoranthene	1.25 ppm
							Fluorene	1.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	05/23/23	11/23/22	MeCl2, Lot 222743	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_3_00029	04/30/23	11/23/22	MeCl2, Lot 222743	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
							4-Aminobiphenyl	5 ppm
							4-Nitroquinoline-1-oxide	5 ppm
							Dibenz[a,h]acridine	5 ppm
							N-Nitro-o-toluidine	5 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-butylamine	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
							Dibenz[a,j]acridine	5 ppm
							1,1'-Biphenyl	5 ppm
							1,2,4,5-Tetrachlorobenzene	5 ppm
							1,2,4-Trichlorobenzene	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Bis(2-chloroethyl)ether	5 ppm
							Bis(2-ethylhexyl) phthalate	5 ppm
							Butylbenzylphthalate	5 ppm
							Carbazole	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00011	10/27/25		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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_3_00026	06/30/23	03/22/23	MeCl2, Lot 226679	1 mL	MSS_BAS_WS_00010	12.5 uL	Atrazine	1.25 ppm
							Benzaldehyde	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	1.25 ppm
					MSS_FV8270_3_00030	250 uL	Benzidine	3.75 ppm
							1,3,5-Trinitrobenzene	1.25 ppm
							1,4-Dinitrobenzene	1.25 ppm
							1-Naphthylamine	1.25 ppm
							2-Acetylaminofluorene	1.25 ppm
							2-Naphthylamine	1.25 ppm
							2-Picoline	1.25 ppm
							2-Toluidine	1.25 ppm
							3,3'-Dimethylbenzidine	1.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	1.25 ppm
							4-Aminobiphenyl	1.25 ppm
							4-Nitroquinoline-1-oxide	1.25 ppm
							Dibenz[a,h]acridine	1.25 ppm
							N-Nitro-o-toluidine	1.25 ppm
							N-Nitrosodi-n-butylamine	1.25 ppm
							N-Nitrosodiethylamine	1.25 ppm
							N-Nitrosomethylethylamine	1.25 ppm
							N-Nitrosomorpholine	1.25 ppm
							N-Nitrosopiperidine	1.25 ppm
							N-Nitrosopyrrolidine	1.25 ppm
							p-Dimethylamino azobenzene	1.25 ppm
							p-Phenylene diamine	1.25 ppm
							Pentachloronitrobenzene	1.25 ppm
							Phenacetin	1.25 ppm
							Pronamide	1.25 ppm
							Quinoline	1.25 ppm
							1,4-Naphthoquinone	1.25 ppm
							1-Chloronaphthalene	1.25 ppm
							7,12-Dimethylbenz(a)anthracene	1.25 ppm
							Chlorobenzilate	1.25 ppm
							Dinoseb	1.25 ppm
							Ethyl methanesulfonate	1.25 ppm
							Hexachloropropene	1.25 ppm
							Isodrin	1.25 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	1.25 ppm
							Phorate	1.25 ppm
							Safrole, Total	1.25 ppm
							Sulfotepp	1.25 ppm
							Thionazin	1.25 ppm
							trans-Diallate	0.325 ppm
							2,4,6-Tribromophenol (Surr)	2.5 ppm
							2-Fluorobiphenyl (Surr)	2.5 ppm
							2-Fluorophenol (Surr)	2.5 ppm
							Nitrobenzene-d5 (Surr)	2.5 ppm
							p-Terphenyl-d14 (Surr)	2.5 ppm
							Phenol-d5 (Surr)	2.5 ppm
							Dibenz[a,j]acridine	1.25 ppm
							1,1'-Biphenyl	1.25 ppm
							1,2,4,5-Tetrachlorobenzene	1.25 ppm
							1,2,4-Trichlorobenzene	1.25 ppm
							1,2-Dichlorobenzene	1.25 ppm
							1,2-Diphenylhydrazine	1.25 ppm
							1,3-Dichlorobenzene	1.25 ppm
							1,3-Dinitrobenzene	1.25 ppm
							1,4-Dichlorobenzene	1.25 ppm
							1,4-Dioxane	1.25 ppm
							1-Methylnaphthalene	1.25 ppm
							2,2'-oxybis[1-chloropropane]	1.25 ppm
							2,3,4,6-Tetrachlorophenol	1.25 ppm
							2,4,5-Trichlorophenol	1.25 ppm
							2,4,6-Trichlorophenol	1.25 ppm
							2,4-Dichlorophenol	1.25 ppm
							2,4-Dimethylphenol	1.25 ppm
							2,4-Dinitrophenol	5 ppm
							2,4-Dinitrotoluene	1.25 ppm
							2,6-Dichlorophenol	1.25 ppm
							2,6-Dinitrotoluene	1.25 ppm
							2-Chloronaphthalene	1.25 ppm
							2-Chlorophenol	1.25 ppm
							2-Methylnaphthalene	1.25 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	3.75 ppm
							Acenaphthene	1.25 ppm
							Acenaphthylene	1.25 ppm
							Acetophenone	1.25 ppm
							Aniline	1.25 ppm
							Anthracene	1.25 ppm
							Benzo[a]anthracene	1.25 ppm
							Benzo[a]pyrene	1.25 ppm
							Benzo[b]fluoranthene	1.25 ppm
							Benzo[g,h,i]perylene	1.25 ppm
							Benzo[k]fluoranthene	1.25 ppm
							Benzyl alcohol	1.25 ppm
							Bis(2-chloroethoxy)methane	1.25 ppm
							Bis(2-chloroethyl)ether	1.25 ppm
							Bis(2-ethylhexyl) phthalate	1.25 ppm
							Butylbenzylphthalate	1.25 ppm
							Carbazole	1.25 ppm
							Chrysene	1.25 ppm
							Di-n-butyl phthalate	1.25 ppm
							Di-n-octyl phthalate	1.25 ppm
							Dibenz(a,h)anthracene	1.25 ppm
							Dibenzofuran	1.25 ppm
							Diethylphthalate	1.25 ppm
							Dimethylphthalate	1.25 ppm
							Fluoranthene	1.25 ppm
							Fluorene	1.25 ppm
							Hexachlorobenzene	1.25 ppm
							Hexachlorobutadiene	1.25 ppm
							Hexachlorocyclopentadiene	1.25 ppm
							Hexachloroethane	1.25 ppm
							Indeno[1,2,3-cd]pyrene	1.25 ppm
							Isophorone	1.25 ppm
							N-Nitrosodi-n-propylamine	1.25 ppm
							N-Nitrosodimethylamine	1.25 ppm
							N-Nitrosodiphenylamine	1.0625 ppm
							Naphthalene	1.25 ppm
							Nitrobenzene	1.25 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00010	06/30/23	03/22/23	MeCl2, Lot 226679	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23	Restek, Lot A0179852			(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_3_00030	07/24/23	03/22/23	MeCl2, Lot 226679	2 mL	MSS_8270_APWS_00014	40 uL	Benzidine	15 ppm
							1,3,5-Trinitrobenzene	5 ppm
							1,4-Dinitrobenzene	5 ppm
							1-Naphthylamine	5 ppm
							2-Acetylaminofluorene	5 ppm
							2-Naphthylamine	5 ppm
							2-Picoline	5 ppm
							2-Toluidine	5 ppm
							3,3'-Dimethylbenzidine	5 ppm
							4,4'-Methylene bis(2-chloroaniline)	5 ppm
							4-Aminobiphenyl	5 ppm
							4-Nitroquinoline-1-oxide	5 ppm
							Dibenz[a,h]acridine	5 ppm
							N-Nitro-o-toluidine	5 ppm
							N-Nitrosodi-n-butylamine	5 ppm
							N-Nitrosodiethylamine	5 ppm
							N-Nitrosomethylethylamine	5 ppm
							N-Nitrosomorpholine	5 ppm
							N-Nitrosopiperidine	5 ppm
							N-Nitrosopyrrolidine	5 ppm
							p-Dimethylamino azobenzene	5 ppm
							p-Phenylene diamine	5 ppm
							Pentachloronitrobenzene	5 ppm
							Phenacetin	5 ppm
							Pronamide	5 ppm
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00015	40 uL	2,4,6-Tribromophenol (Surr)	10 ppm
							2-Fluorobiphenyl (Surr)	10 ppm
							2-Fluorophenol (Surr)	10 ppm
							Nitrobenzene-d5 (Surr)	10 ppm
							p-Terphenyl-d14 (Surr)	10 ppm
							Phenol-d5 (Surr)	10 ppm
							Dibenz[a,j]acridine	5 ppm
							1,1'-Biphenyl	5 ppm
							1,2,4,5-Tetrachlorobenzene	5 ppm
							1,2,4-Trichlorobenzene	5 ppm
							1,2-Dichlorobenzene	5 ppm
							1,2-Diphenylhydrazine	5 ppm
							1,3-Dichlorobenzene	5 ppm
							1,3-Dinitrobenzene	5 ppm
							1,4-Dichlorobenzene	5 ppm
							1,4-Dioxane	5 ppm
							1-Methylnaphthalene	5 ppm
							2,2'-oxybis[1-chloropropane]	5 ppm
							2,3,4,6-Tetrachlorophenol	5 ppm
							2,4,5-Trichlorophenol	5 ppm
							2,4,6-Trichlorophenol	5 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	5 ppm
							3-Nitroaniline	5 ppm
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl phenyl ether	5 ppm
							4-Chloro-3-methylphenol	5 ppm
							4-Chloroaniline	5 ppm
							4-Chlorophenyl phenyl ether	5 ppm
							4-Methylphenol	5 ppm
							4-Nitroaniline	5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	5 ppm
							Acenaphthylene	5 ppm
							Acetophenone	5 ppm
							Aniline	5 ppm
							Anthracene	5 ppm
							Benzo[a]anthracene	5 ppm
							Benzo[a]pyrene	5 ppm
							Benzo[b]fluoranthene	5 ppm
							Benzo[g,h,i]perylene	5 ppm
							Benzo[k]fluoranthene	5 ppm
							Benzyl alcohol	5 ppm
							Bis(2-chloroethoxy)methane	5 ppm
							Bis(2-chloroethyl)ether	5 ppm
							Bis(2-ethylhexyl) phthalate	5 ppm
							Butylbenzylphthalate	5 ppm
							Carbazole	5 ppm
							Chrysene	5 ppm
							Di-n-butyl phthalate	5 ppm
							Di-n-octyl phthalate	5 ppm
							Dibenz(a,h)anthracene	5 ppm
							Dibenzofuran	5 ppm
							Diethylphthalate	5 ppm
							Dimethylphthalate	5 ppm
							Fluoranthene	5 ppm
							Fluorene	5 ppm
							Hexachlorobenzene	5 ppm
							Hexachlorobutadiene	5 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	5 ppm
							Pyrene	5 ppm
							Pyridine	10 ppm
							3,3'-Dichlorobenzidine	5 ppm
							Benzidine	15 ppm
							Alpha-Terpineol	5 ppm
							Dimethylformamide	5 ppm
							Octachlorostyrene	5 ppm
							Phenyl ether	5 ppm
					MSS_AB_24DNP_00007	20 uL	2,4-Dinitrophenol	20 ppm
					MSS_AB_46D2MP_00004	10 uL	4,6-Dinitro-2-methylphenol	15 ppm
					MSS_AB_4NP_00003	10 uL	4-Nitrophenol	15 ppm
					MSS_FV8270_IS_00005	40 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_00014	08/31/23	03/22/23	MeCl2, Lot 226679	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00009	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_00011	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00007	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00008	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	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00009	08/31/23		Restek, Lot A0188198		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00011	01/31/24		Restek, Lot A0193498		(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_00007	01/31/24		Restek, Lot A0193475		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00008	01/31/25		Restek, Lot A0193163		(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_00015	09/22/23	03/22/23	MeCl2, Lot 226679	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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	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
							Hexachlorobenzene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00003	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_00011	04/30/24		Restek, Lot A0190414		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	02/29/24		Restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00003	02/28/26		Restek, Lot A0194427		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_AB_24DNP_00007	12/09/25		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00004	11/19/24		Absolute, Lot 111919		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00003	07/24/23		Absolute, Lot 072418		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_4_00025	04/30/23	11/23/22	MeCl2, Lot 222743	3 mL	MSS_BAS_WS_00009	112.5 uL	Atrazine	3.75 ppm
							Benzaldehyde	3.75 ppm
							Caprolactam	3.75 ppm
					MSS_FV8270_4_00027	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Phenylene diamine	3.75 ppm
							Pentachloronitrobenzene	3.75 ppm
							Phenacetin	3.75 ppm
							Pronamide	3.75 ppm
							Quinoline	3.75 ppm
							1,4-Naphthoquinone	3.75 ppm
							1-Chloronaphthalene	3.75 ppm
							7,12-Dimethylbenz(a)anthracene	3.75 ppm
							Chlorobenzilate	3.75 ppm
							Dinoseb	3.75 ppm
							Ethyl methanesulfonate	3.75 ppm
							Hexachloropropene	3.75 ppm
							Isodrin	3.75 ppm
							Isosafrole Peak 1	0.6 ppm
							Isosafrole Peak 2	3.15 ppm
							Methyl methanesulfonate	3.75 ppm
							Pentachlorobenzene	3.75 ppm
							3-Methylcholanthrene	3.75 ppm
							6-Methylchrysene	3.75 ppm
							cis-Diallate	2.775 ppm
							Dimethoate	3.75 ppm
							Disulfoton	3.75 ppm
							Ethyl Parathion	3.75 ppm
							Methyl parathion	3.75 ppm
							o,o',o''-Triethylphosphorothioate	3.75 ppm
							Phorate	3.75 ppm
							Safrole, Total	3.75 ppm
							Sulfotepp	3.75 ppm
							Thionazin	3.75 ppm
							trans-Diallate	0.975 ppm
							2,4,6-Tribromophenol (Surr)	7.5 ppm
							2-Fluorobiphenyl (Surr)	7.5 ppm
							2-Fluorophenol (Surr)	7.5 ppm
							Nitrobenzene-d5 (Surr)	7.5 ppm
							p-Terphenyl-d14 (Surr)	7.5 ppm
							Phenol-d5 (Surr)	7.5 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	3.75 ppm
							2,3,4,6-Tetrachlorophenol	3.75 ppm
							2,4,5-Trichlorophenol	3.75 ppm
							2,4,6-Trichlorophenol	3.75 ppm
							2,4-Dichlorophenol	3.75 ppm
							2,4-Dimethylphenol	3.75 ppm
							2,4-Dinitrophenol	11.25 ppm
							2,4-Dinitrotoluene	3.75 ppm
							2,6-Dichlorophenol	3.75 ppm
							2,6-Dinitrotoluene	3.75 ppm
							2-Chloronaphthalene	3.75 ppm
							2-Chlorophenol	3.75 ppm
							2-Methylnaphthalene	3.75 ppm
							2-Methylphenol	3.75 ppm
							2-Nitroaniline	3.75 ppm
							2-Nitrophenol	3.75 ppm
							3-Nitroaniline	3.75 ppm
							4,6-Dinitro-2-methylphenol	7.5 ppm
							4-Bromophenyl phenyl ether	3.75 ppm
							4-Chloro-3-methylphenol	3.75 ppm
							4-Chloroaniline	3.75 ppm
							4-Chlorophenyl phenyl ether	3.75 ppm
							4-Methylphenol	3.75 ppm
							4-Nitroaniline	3.75 ppm
							4-Nitrophenol	7.5 ppm
							Acenaphthene	3.75 ppm
							Acenaphthylene	3.75 ppm
							Acetophenone	3.75 ppm
							Aniline	3.75 ppm
							Anthracene	3.75 ppm
							Benzo[a]anthracene	3.75 ppm
							Benzo[a]pyrene	3.75 ppm
							Benzo[b]fluoranthene	3.75 ppm
							Benzo[g,h,i]perylene	3.75 ppm
							Benzo[k]fluoranthene	3.75 ppm
							Benzyl alcohol	3.75 ppm
							Bis(2-chloroethoxy)methane	3.75 ppm
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	3.75 ppm
							Fluorene	3.75 ppm
							Hexachlorobenzene	3.75 ppm
							Hexachlorobutadiene	3.75 ppm
							Hexachlorocyclopentadiene	3.75 ppm
							Hexachloroethane	3.75 ppm
							Indeno[1,2,3-cd]pyrene	3.75 ppm
							Isophorone	3.75 ppm
							N-Nitrosodi-n-propylamine	3.75 ppm
							N-Nitrosodimethylamine	3.75 ppm
							N-Nitrosodiphenylamine	3.1875 ppm
							Naphthalene	3.75 ppm
							Nitrobenzene	3.75 ppm
							Pentachlorophenol	7.5 ppm
							Phenanthrene	3.75 ppm
							Phenol	3.75 ppm
							Pyrene	3.75 ppm
							Pyridine	7.5 ppm
							3,3'-Dichlorobenzidine	3.75 ppm
							Alpha-Terpineol	3.75 ppm
							Dimethylformamide	3.75 ppm
							Octachlorostyrene	3.75 ppm
							Phenyl ether	3.75 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00009	05/23/23	11/23/22	MeCl2, Lot 222743	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_4_00027	04/30/23	11/23/22	MeCl2, Lot 222743	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,h]acridine	15 ppm
							N-Nitro-o-toluidine	15 ppm
							N-Nitrosodi-n-butylamine	15 ppm
							N-Nitrosodiethylamine	15 ppm
							N-Nitrosomethylethylamine	15 ppm
							N-Nitrosomorpholine	15 ppm
							N-Nitrosopiperidine	15 ppm
							N-Nitrosopyrrolidine	15 ppm
							p-Dimethylamino azobenzene	15 ppm
							p-Phenylene diamine	15 ppm
							Pentachloronitrobenzene	15 ppm
							Phenacetin	15 ppm
							Pronamide	15 ppm
							Quinoline	15 ppm
							1,4-Naphthoquinone	15 ppm
							1-Chloronaphthalene	15 ppm
							7,12-Dimethylbenz(a)anthracene	15 ppm
							Chlorobenzilate	15 ppm
							Dinoseb	15 ppm
							Ethyl methanesulfonate	15 ppm
							Hexachloropropene	15 ppm
							Isodrin	15 ppm
							Isosafrole Peak 1	2.4 ppm
							Isosafrole Peak 2	12.6 ppm
							Methyl methanesulfonate	15 ppm
							Pentachlorobenzene	15 ppm
							3-Methylcholanthrene	15 ppm
							6-Methylchrysene	15 ppm
							cis-Diallate	11.1 ppm
							Dimethoate	15 ppm
							Disulfoton	15 ppm
							Ethyl Parathion	15 ppm
							Methyl parathion	15 ppm
							o,o',o''-Triethylphosphorothioate	15 ppm
							Phorate	15 ppm
							Safrole, Total	15 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	15 ppm
							1,2,4-Trichlorobenzene	15 ppm
							1,2-Dichlorobenzene	15 ppm
							1,2-Diphenylhydrazine	15 ppm
							1,3-Dichlorobenzene	15 ppm
							1,3-Dinitrobenzene	15 ppm
							1,4-Dichlorobenzene	15 ppm
							1,4-Dioxane	15 ppm
							1-Methylnaphthalene	15 ppm
							2,2'-oxybis[1-chloropropane]	15 ppm
							2,3,4,6-Tetrachlorophenol	15 ppm
							2,4,5-Trichlorophenol	15 ppm
							2,4,6-Trichlorophenol	15 ppm
							2,4-Dichlorophenol	15 ppm
							2,4-Dimethylphenol	15 ppm
							2,4-Dinitrophenol	45 ppm
							2,4-Dinitrotoluene	15 ppm
							2,6-Dichlorophenol	15 ppm
							2,6-Dinitrotoluene	15 ppm
							2-Chloronaphthalene	15 ppm
							2-Chlorophenol	15 ppm
							2-Methylnaphthalene	15 ppm
							2-Methylphenol	15 ppm
							2-Nitroaniline	15 ppm
							2-Nitrophenol	15 ppm
							3-Nitroaniline	15 ppm
							4,6-Dinitro-2-methylphenol	30 ppm
							4-Bromophenyl phenyl ether	15 ppm
							4-Chloro-3-methylphenol	15 ppm
							4-Chloroaniline	15 ppm
							4-Chlorophenyl phenyl ether	15 ppm
							4-Methylphenol	15 ppm
							4-Nitroaniline	15 ppm
							4-Nitrophenol	30 ppm
							Acenaphthene	15 ppm
							Acenaphthylene	15 ppm
							Acetophenone	15 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butylbenzylphthalate	15 ppm
							Carbazole	15 ppm
							Chrysene	15 ppm
							Di-n-butyl phthalate	15 ppm
							Di-n-octyl phthalate	15 ppm
							Dibenz(a,h)anthracene	15 ppm
							Dibenzofuran	15 ppm
							Diethylphthalate	15 ppm
							Dimethylphthalate	15 ppm
							Fluoranthene	15 ppm
							Fluorene	15 ppm
							Hexachlorobenzene	15 ppm
							Hexachlorobutadiene	15 ppm
							Hexachlorocyclopentadiene	15 ppm
							Hexachloroethane	15 ppm
							Indeno[1,2,3-cd]pyrene	15 ppm
							Isophorone	15 ppm
							N-Nitrosodi-n-propylamine	15 ppm
							N-Nitrosodimethylamine	15 ppm
							N-Nitrosodiphenylamine	12.75 ppm
							Naphthalene	15 ppm
							Nitrobenzene	15 ppm
							Pentachlorophenol	30 ppm
							Phenanthrene	15 ppm
							Phenol	15 ppm
							Pyrene	15 ppm
							Pyridine	30 ppm
							3,3'-Dichlorobenzidine	15 ppm
							Benzidine	45 ppm
							Alpha-Terpineol	15 ppm
							Dimethylformamide	15 ppm
							Octachlorostyrene	15 ppm
							Phenyl ether	15 ppm
					MSS_AB_24DNP_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00011	10/27/25		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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_4_00026	06/30/23	03/22/23	MeCl2, Lot 226679	3 mL	MSS_BAS_WS_00010	112.5 uL	Atrazine	3.75 ppm
							Benzaldehyde	3.75 ppm
							Caprolactam	3.75 ppm
					MSS_FV8270_4_00028	750 uL	Benzidine	11.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00010	06/30/23	03/22/23	MeCl2, Lot 226679	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23	Restek, Lot A0179852			(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_4_00028	08/31/23	03/22/23	MeCl2, Lot 226679	2 mL	MSS_8270_APWS_00014	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
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00015	120 uL	2,4,6-Tribromophenol (Surr)	30 ppm
							2-Fluorobiphenyl (Surr)	30 ppm
							2-Fluorophenol (Surr)	30 ppm
							Nitrobenzene-d5 (Surr)	30 ppm
							p-Terphenyl-d14 (Surr)	30 ppm
							Phenol-d5 (Surr)	30 ppm
							Dibenz[a,j]acridine	15 ppm
							1,1'-Biphenyl	15 ppm
							1,2,4,5-Tetrachlorobenzene	15 ppm
							1,2,4-Trichlorobenzene	15 ppm
							1,2-Dichlorobenzene	15 ppm
							1,2-Diphenylhydrazine	15 ppm
							1,3-Dichlorobenzene	15 ppm
							1,3-Dinitrobenzene	15 ppm
							1,4-Dichlorobenzene	15 ppm
							1,4-Dioxane	15 ppm
							1-Methylnaphthalene	15 ppm
							2,2'-oxybis[1-chloropropane]	15 ppm
							2,3,4,6-Tetrachlorophenol	15 ppm
							2,4,5-Trichlorophenol	15 ppm
							2,4,6-Trichlorophenol	15 ppm
							2,4-Dichlorophenol	15 ppm
							2,4-Dimethylphenol	15 ppm
							2,4-Dinitrophenol	45 ppm
							2,4-Dinitrotoluene	15 ppm
							2,6-Dichlorophenol	15 ppm
							2,6-Dinitrotoluene	15 ppm
							2-Chloronaphthalene	15 ppm
							2-Chlorophenol	15 ppm
							2-Methylnaphthalene	15 ppm
							2-Methylphenol	15 ppm
							2-Nitroaniline	15 ppm
							2-Nitrophenol	15 ppm
							3-Nitroaniline	15 ppm
							4,6-Dinitro-2-methylphenol	30 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	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
							Nitrobenzene	15 ppm
							Pentachlorophenol	30 ppm
							Phenanthrene	15 ppm
							Phenol	15 ppm
							Pyrene	15 ppm
							Pyridine	30 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dichlorobenzidine	15 ppm
							Benzidine	45 ppm
							Alpha-Terpineol	15 ppm
							Dimethylformamide	15 ppm
							Octachlorostyrene	15 ppm
							Phenyl ether	15 ppm
					MSS_AB_24DNP_00007	30 uL	2,4-Dinitrophenol	45 ppm
					MSS_FV8270_IS_00005	40 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_00014	08/31/23	03/22/23	MeCl2, Lot 226679	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00009	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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00007	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00008	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	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00009	08/31/23		Restek, Lot A0188198		(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_00011	01/31/24		Restek, Lot A0193498		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00007	01/31/24		Restek, Lot A0193475		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00008	01/31/25		Restek, Lot A0193163		(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_00015	09/22/23	03/22/23	MeCl2, Lot 226679	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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	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_00009	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00003	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_00011	04/30/24	Restek, Lot A0190414			(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00009	02/29/24		Restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00003	02/28/26		Restek, Lot A0194427		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_AB_24DNP_00007	12/09/25		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_5_00035	04/30/23	11/23/22	MeCl2, Lot 222743	3 mL	MSS_BAS_WS_00009	225 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_FV8270_5_00034	750 uL	Benzidine	22.5 ppm
							1,3,5-Trinitrobenzene	7.5 ppm
							1,4-Dinitrobenzene	7.5 ppm
							1-Naphthylamine	7.5 ppm
							2-Acetylaminofluorene	7.5 ppm
							2-Naphthylamine	7.5 ppm
							2-Picoline	7.5 ppm
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitro-o-toluidine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm
							Pentachloronitrobenzene	7.5 ppm
							Phenacetin	7.5 ppm
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm
							1,4-Naphthoquinone	7.5 ppm
							1-Chloronaphthalene	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	05/23/23	11/23/22	MeCl2, Lot 222743	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_5_00034	04/30/23	11/23/22	MeCl2, Lot 222743	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
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_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	10/27/25		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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_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_00036	06/30/23	03/22/23	MeCl2, Lot 226679	3 mL	MSS_BAS_WS_00010	225 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_FV8270_5_00035	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitro-o-toluidine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm
							Pentachloronitrobenzene	7.5 ppm
							Phenacetin	7.5 ppm
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm
							1,4-Naphthoquinone	7.5 ppm
							1-Chloronaphthalene	7.5 ppm
							7,12-Dimethylbenz(a)anthracene	7.5 ppm
							Chlorobenzilate	7.5 ppm
							Dinoseb	7.5 ppm
							Ethyl methanesulfonate	7.5 ppm
							Hexachloropropene	7.5 ppm
							Isodrin	7.5 ppm
							Isosafrole Peak 1	1.2 ppm
							Isosafrole Peak 2	6.3 ppm
							Methyl methanesulfonate	7.5 ppm
							Pentachlorobenzene	7.5 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	15 ppm
							Nitrobenzene-d5 (Surr)	15 ppm
							p-Terphenyl-d14 (Surr)	15 ppm
							Phenol-d5 (Surr)	15 ppm
							Dibenz[a,j]acridine	7.5 ppm
							1,1'-Biphenyl	7.5 ppm
							1,2,4,5-Tetrachlorobenzene	7.5 ppm
							1,2,4-Trichlorobenzene	7.5 ppm
							1,2-Dichlorobenzene	7.5 ppm
							1,2-Diphenylhydrazine	7.5 ppm
							1,3-Dichlorobenzene	7.5 ppm
							1,3-Dinitrobenzene	7.5 ppm
							1,4-Dichlorobenzene	7.5 ppm
							1,4-Dioxane	7.5 ppm
							1-Methylnaphthalene	7.5 ppm
							2,2'-oxybis[1-chloropropane]	7.5 ppm
							2,3,4,6-Tetrachlorophenol	7.5 ppm
							2,4,5-Trichlorophenol	7.5 ppm
							2,4,6-Trichlorophenol	7.5 ppm
							2,4-Dichlorophenol	7.5 ppm
							2,4-Dimethylphenol	7.5 ppm
							2,4-Dinitrophenol	17.5 ppm
							2,4-Dinitrotoluene	7.5 ppm
							2,6-Dichlorophenol	7.5 ppm
							2,6-Dinitrotoluene	7.5 ppm
							2-Chloronaphthalene	7.5 ppm
							2-Chlorophenol	7.5 ppm
							2-Methylnaphthalene	7.5 ppm
							2-Methylphenol	7.5 ppm
							2-Nitroaniline	7.5 ppm
							2-Nitrophenol	7.5 ppm
							3-Nitroaniline	7.5 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	7.5 ppm
							Benzo[k]fluoranthene	7.5 ppm
							Benzyl alcohol	7.5 ppm
							Bis(2-chloroethoxy)methane	7.5 ppm
							Bis(2-chloroethyl)ether	7.5 ppm
							Bis(2-ethylhexyl) phthalate	7.5 ppm
							Butylbenzylphthalate	7.5 ppm
							Carbazole	7.5 ppm
							Chrysene	7.5 ppm
							Di-n-butyl phthalate	7.5 ppm
							Di-n-octyl phthalate	7.5 ppm
							Dibenz(a,h)anthracene	7.5 ppm
							Dibenzofuran	7.5 ppm
							Diethylphthalate	7.5 ppm
							Dimethylphthalate	7.5 ppm
							Fluoranthene	7.5 ppm
							Fluorene	7.5 ppm
							Hexachlorobenzene	7.5 ppm
							Hexachlorobutadiene	7.5 ppm
							Hexachlorocyclopentadiene	7.5 ppm
							Hexachloroethane	7.5 ppm
							Indeno[1,2,3-cd]pyrene	7.5 ppm
							Isophorone	7.5 ppm
							N-Nitrosodi-n-propylamine	7.5 ppm
							N-Nitrosodimethylamine	7.5 ppm
							N-Nitrosodiphenylamine	6.375 ppm
							Naphthalene	7.5 ppm
							Nitrobenzene	7.5 ppm
							Pentachlorophenol	15 ppm
							Phenanthrene	7.5 ppm
							Phenol	7.5 ppm
							Pyrene	7.5 ppm
							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_00010	06/30/23	03/22/23	MeCl2, Lot 226679	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_5_00035	08/31/23	03/22/23	MeCl2, Lot 226679	5 mL	MSS_8270_APWS_00014	600 uL	Benzidine	90 ppm
							1,3,5-Trinitrobenzene	30 ppm
							1,4-Dinitrobenzene	30 ppm
							1-Naphthylamine	30 ppm
							2-Acetylaminofluorene	30 ppm
							2-Naphthylamine	30 ppm
							2-Picoline	30 ppm
							2-Toluidine	30 ppm
							3,3'-Dimethylbenzidine	30 ppm
							4,4'-Methylene bis(2-chloroaniline)	30 ppm
							4-Aminobiphenyl	30 ppm
							4-Nitroquinoline-1-oxide	30 ppm
							Dibenz[a,h]acridine	30 ppm
							N-Nitro-o-toluidine	30 ppm
							N-Nitrosodi-n-butylamine	30 ppm
							N-Nitrosodiethylamine	30 ppm
							N-Nitrosomethylethylamine	30 ppm
							N-Nitrosomorpholine	30 ppm
							N-Nitrosopiperidine	30 ppm
							N-Nitrosopyrrolidine	30 ppm
							p-Dimethylamino azobenzene	30 ppm
							p-Phenylene diamine	30 ppm
							Pentachloronitrobenzene	30 ppm
							Phenacetin	30 ppm
							Pronamide	30 ppm
							Quinoline	30 ppm
							1,4-Naphthoquinone	30 ppm
							1-Chloronaphthalene	30 ppm
							7,12-Dimethylbenz(a)anthracene	30 ppm
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	30 ppm
							Phorate	30 ppm
							Safrole, Total	30 ppm
							Sulfotepp	30 ppm
							Thionazin	30 ppm
							trans-Diallate	7.8 ppm
					MSS_8270_WS_00015	600 uL	2,4,6-Tribromophenol (Surr)	60 ppm
							2-Fluorobiphenyl (Surr)	60 ppm
							2-Fluorophenol (Surr)	60 ppm
							Nitrobenzene-d5 (Surr)	60 ppm
							p-Terphenyl-d14 (Surr)	60 ppm
							Phenol-d5 (Surr)	60 ppm
							Dibenz[a,j]acridine	30 ppm
							1,1'-Biphenyl	30 ppm
							1,2,4,5-Tetrachlorobenzene	30 ppm
							1,2,4-Trichlorobenzene	30 ppm
							1,2-Dichlorobenzene	30 ppm
							1,2-Diphenylhydrazine	30 ppm
							1,3-Dichlorobenzene	30 ppm
							1,3-Dinitrobenzene	30 ppm
							1,4-Dichlorobenzene	30 ppm
							1,4-Dioxane	30 ppm
							1-Methylnaphthalene	30 ppm
							2,2'-oxybis[1-chloropropane]	30 ppm
							2,3,4,6-Tetrachlorophenol	30 ppm
							2,4,5-Trichlorophenol	30 ppm
							2,4,6-Trichlorophenol	30 ppm
							2,4-Dichlorophenol	30 ppm
							2,4-Dimethylphenol	30 ppm
							2,4-Dinitrophenol	70 ppm
							2,4-Dinitrotoluene	30 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Benzidine	90 ppm
							Alpha-Terpineol	30 ppm
							Dimethylformamide	30 ppm
							Octachlorostyrene	30 ppm
							Phenyl ether	30 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSS_AB_24DNP_00007	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_00014	08/31/23	03/22/23	MeCl2, Lot 226679	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00009	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_00011	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_00007	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_RES_APPX4_00008	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	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00009	08/31/23		Restek, Lot A0188198		(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_00011	01/31/24		Restek, Lot A0193498		(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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00007	01/31/24		Restek, Lot A0193475		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00008	01/31/25		Restek, Lot A0193163		(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_00015	09/22/23	03/22/23	MeCl2, Lot 226679	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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00009	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00003	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_00011	04/30/24		Restek, Lot A0190414		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	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
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00009	02/29/24		Restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00003	02/28/26		Restek, Lot A0194427		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_AB_24DNP_00007	12/09/25		Absolute, Lot 120920		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00037	04/30/23	11/23/22	MeCl2, Lot 222743	5 mL	MSS_BAS_WS_00009	625 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_FV8270_6_00045	1250 uL	Benzidine	37.5 ppm
							1,3,5-Trinitrobenzene	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							1-Naphthylamine	12.5 ppm
							2-Acetylaminofluorene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							2-Picoline	12.5 ppm
							2-Toluidine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							4-Aminobiphenyl	12.5 ppm
							4-Nitroquinoline-1-oxide	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitro-o-toluidine	12.5 ppm
							N-Nitrosodi-n-butylamine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomethylethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 1	2 ppm
							Isosafrole Peak 2	10.5 ppm
							Methyl methanesulfonate	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							3-Methylcholanthrene	12.5 ppm
							6-Methylchrysene	12.5 ppm
							cis-Diallate	9.25 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Methyl parathion	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
							Thionazin	12.5 ppm
							trans-Diallate	3.25 ppm
							2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,2,4-Trichlorobenzene	12.5 ppm
							1,2-Dichlorobenzene	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							1,3-Dichlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl phenyl ether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl phenyl ether	12.5 ppm
							4-Methylphenol	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Aniline	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							Benzyl alcohol	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butylbenzylphthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm
							3,3'-Dichlorobenzidine	12.5 ppm
							Alpha-Terpineol	12.5 ppm
							Dimethylformamide	12.5 ppm
							Octachlorostyrene	12.5 ppm
							Phenyl ether	12.5 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00009	05/23/23	11/23/22	MeCl2, Lot 222743	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_6_00045	04/30/23	11/23/22	MeCl2, Lot 222743	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Quinoline	50 ppm
							1,4-Naphthoquinone	50 ppm
							1-Chloronaphthalene	50 ppm
							7,12-Dimethylbenz(a)anthracene	50 ppm
							Chlorobenzilate	50 ppm
							Dinoseb	50 ppm
							Ethyl methanesulfonate	50 ppm
							Hexachloropropene	50 ppm
							Isodrin	50 ppm
							Isosafrole Peak 1	8 ppm
							Isosafrole Peak 2	42 ppm
							Methyl methanesulfonate	50 ppm
							Pentachlorobenzene	50 ppm
							3-Methylcholanthrene	50 ppm
							6-Methylchrysene	50 ppm
							cis-Diallate	37 ppm
							Dimethoate	50 ppm
							Disulfoton	50 ppm
							Ethyl Parathion	50 ppm
							Methyl parathion	50 ppm
							o,o',o''-Triethylphosphorothioate	50 ppm
							Phorate	50 ppm
							Safrole, Total	50 ppm
							Sulfotepp	50 ppm
							Thionazin	50 ppm
							trans-Diallate	13 ppm
					MSS_8270_WS_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	50 ppm
							2,4-Dimethylphenol	50 ppm
							2,4-Dinitrophenol	100 ppm
							2,4-Dinitrotoluene	50 ppm
							2,6-Dichlorophenol	50 ppm
							2,6-Dinitrotoluene	50 ppm
							2-Chloronaphthalene	50 ppm
							2-Chlorophenol	50 ppm
							2-Methylnaphthalene	50 ppm
							2-Methylphenol	50 ppm
							2-Nitroaniline	50 ppm
							2-Nitrophenol	50 ppm
							3-Nitroaniline	50 ppm
							4,6-Dinitro-2-methylphenol	100 ppm
							4-Bromophenyl phenyl ether	50 ppm
							4-Chloro-3-methylphenol	50 ppm
							4-Chloroaniline	50 ppm
							4-Chlorophenyl phenyl ether	50 ppm
							4-Methylphenol	50 ppm
							4-Nitroaniline	50 ppm
							4-Nitrophenol	100 ppm
							Acenaphthene	50 ppm
							Acenaphthylene	50 ppm
							Acetophenone	50 ppm
							Aniline	50 ppm
							Anthracene	50 ppm
							Benzo[a]anthracene	50 ppm
							Benzo[a]pyrene	50 ppm
							Benzo[b]fluoranthene	50 ppm
							Benzo[g,h,i]perylene	50 ppm
							Benzo[k]fluoranthene	50 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	50 ppm
							Hexachloroethane	50 ppm
							Indeno[1,2,3-cd]pyrene	50 ppm
							Isophorone	50 ppm
							N-Nitrosodi-n-propylamine	50 ppm
							N-Nitrosodimethylamine	50 ppm
							N-Nitrosodiphenylamine	42.5 ppm
							Naphthalene	50 ppm
							Nitrobenzene	50 ppm
							Pentachlorophenol	100 ppm
							Phenanthrene	50 ppm
							Phenol	50 ppm
							Pyrene	50 ppm
							Pyridine	100 ppm
							3,3'-Dichlorobenzidine	50 ppm
							Benzidine	150 ppm
							Alpha-Terpineol	50 ppm
							Dimethylformamide	50 ppm
							Octachlorostyrene	50 ppm
							Phenyl ether	50 ppm
					MSS_FV8270_IS_00005	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	10/27/25		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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	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
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							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
MSS_RV8270_6_00042	06/30/23	03/22/23	MeCl2, Lot 226679	5 mL	MSS_BAS_WS_00010	625 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_FV8270_6_00049	1250 uL	Benzidine	37.5 ppm
							1,3,5-Trinitrobenzene	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							1-Naphthylamine	12.5 ppm
							2-Acetylaminofluorene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							2-Picoline	12.5 ppm
							2-Toluidine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							4-Aminobiphenyl	12.5 ppm
							4-Nitroquinoline-1-oxide	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitro-o-toluidine	12.5 ppm
							N-Nitrosodi-n-butylamine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	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
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00010	06/30/23	03/22/23	MeCl2, Lot 226679	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_6_00049	08/31/23	03/22/23	MeCl2, Lot 226679	5 mL	MSS_8270_APWS_00014	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00015	1000 uL	2,4,6-Tribromophenol (Surr)	100 ppm
							2-Fluorobiphenyl (Surr)	100 ppm
							2-Fluorophenol (Surr)	100 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	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
							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_00014	08/31/23	03/22/23	MeCl2, Lot 226679	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00009	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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_00011	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_00007	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00008	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00009	08/31/23		Restek, Lot A0188198		(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_00011	01/31/24		Restek, Lot A0193498		(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_00007	01/31/24		Restek, Lot A0193475		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00008	01/31/25		Restek, Lot A0193163		(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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	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_00015	09/22/23	03/22/23	MeCl2, Lot 226679	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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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_00009	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00003	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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_00011	04/30/24		Restek, Lot A0190414		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	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_00009	02/29/24		Restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00003	02/28/26		Restek, Lot A0194427		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSS_RV8270_6_00043	06/30/23	04/24/23	MeCl2, Lot 226679	2 mL	MSS_FV8270_6_00050	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_FV8270_6_00050	08/31/23	04/24/23	MeCl2, Lot 226679	3 mL	MSS_FV8270_IS_00005	60 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_00043	06/30/23	04/24/23	MeCl2, Lot 226679	2 mL	MSS_FV8270_6_00050	500 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_00050	08/31/23	04/24/23	MeCl2, Lot 226679	3 mL	MSS_8270_WS_00015	600 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
							2,4-Dimethylphenol	50 ppm
							2,4-Dinitrophenol	100 ppm
							2-Chlorophenol	50 ppm
							Carbazole	50 ppm
							Phenol	50 ppm
..MSS_8270_WS_00015	09/22/23	03/22/23	MeCl2, Lot 226679	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_00011	2500 uL	2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00011	04/30/24	Restek, Lot A0190414			(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_00028	04/30/23	11/23/22	MeCl2, Lot 222743	1 mL	MSS_BAS_WS_00009	200 uL	Atrazine	20 ppm
							Benzaldehyde	20 ppm
							Caprolactam	20 ppm
					MSS_FV8270_7_00031	250 uL	Benzidine	60 ppm
							1,3,5-Trinitrobenzene	20 ppm
							1,4-Dinitrobenzene	20 ppm
							1-Naphthylamine	20 ppm
							2-Acetylaminofluorene	20 ppm
							2-Naphthylamine	20 ppm
							2-Picoline	20 ppm
							2-Toluidine	20 ppm
							3,3'-Dimethylbenzidine	20 ppm
							4,4'-Methylene bis(2-chloroaniline)	20 ppm
							4-Aminobiphenyl	20 ppm
							4-Nitroquinoline-1-oxide	20 ppm
							Dibenz[a,h]acridine	20 ppm
							N-Nitro-o-toluidine	20 ppm
							N-Nitrosodi-n-butylamine	20 ppm
							N-Nitrosodiethylamine	20 ppm
							N-Nitrosomethylethylamine	20 ppm
							N-Nitrosomorpholine	20 ppm
							N-Nitrosopiperidine	20 ppm
							N-Nitrosopyrrolidine	20 ppm
							p-Dimethylamino azobenzene	20 ppm
							p-Phenylene diamine	20 ppm
							Pentachloronitrobenzene	20 ppm
							Phenacetin	20 ppm
							Pronamide	20 ppm
							Quinoline	20 ppm
							1,4-Naphthoquinone	20 ppm
							1-Chloronaphthalene	20 ppm
							7,12-Dimethylbenz(a)anthracene	20 ppm
							Chlorobenzilate	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	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
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	05/23/23	11/23/22	MeCl2, Lot 222743	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_7_00031	04/30/23	11/23/22	MeCl2, Lot 222743	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
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	10/27/25		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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,h]acridine	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	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
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
MSS_RV8270_7_00029	06/30/23	03/22/23	MeCl2, Lot 226679	1 mL	MSS_BAS_WS_00010	200 uL	Atrazine	20 ppm
							Benzaldehyde	20 ppm
							Caprolactam	20 ppm
					MSS_FV8270_7_00032	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,h]acridine	20 ppm
							N-Nitro-o-toluidine	20 ppm
							N-Nitrosodi-n-butylamine	20 ppm
							N-Nitrosodiethylamine	20 ppm
							N-Nitrosomethylethylamine	20 ppm
							N-Nitrosomorpholine	20 ppm
							N-Nitrosopiperidine	20 ppm
							N-Nitrosopyrrolidine	20 ppm
							p-Dimethylamino azobenzene	20 ppm
							p-Phenylene diamine	20 ppm
							Pentachloronitrobenzene	20 ppm
							Phenacetin	20 ppm
							Pronamide	20 ppm
							Quinoline	20 ppm
							1,4-Naphthoquinone	20 ppm
							1-Chloronaphthalene	20 ppm
							7,12-Dimethylbenz(a)anthracene	20 ppm
							Chlorobenzilate	20 ppm
							Dinoseb	20 ppm
							Ethyl methanesulfonate	20 ppm
							Hexachloropropene	20 ppm
							Isodrin	20 ppm
							Isosafrole Peak 1	3.2 ppm
							Isosafrole Peak 2	16.8 ppm
							Methyl methanesulfonate	20 ppm
							Pentachlorobenzene	20 ppm
							3-Methylcholanthrene	20 ppm
							6-Methylchrysene	20 ppm
							cis-Diallate	14.8 ppm
							Dimethoate	20 ppm
							Disulfoton	20 ppm
							Ethyl Parathion	20 ppm
							Methyl parathion	20 ppm
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	20 ppm
							1,2,4-Trichlorobenzene	20 ppm
							1,2-Dichlorobenzene	20 ppm
							1,2-Diphenylhydrazine	20 ppm
							1,3-Dichlorobenzene	20 ppm
							1,3-Dinitrobenzene	20 ppm
							1,4-Dichlorobenzene	20 ppm
							1,4-Dioxane	20 ppm
							1-Methylnaphthalene	20 ppm
							2,2'-oxybis[1-chloropropane]	20 ppm
							2,3,4,6-Tetrachlorophenol	20 ppm
							2,4,5-Trichlorophenol	20 ppm
							2,4,6-Trichlorophenol	20 ppm
							2,4-Dichlorophenol	20 ppm
							2,4-Dimethylphenol	20 ppm
							2,4-Dinitrophenol	40 ppm
							2,4-Dinitrotoluene	20 ppm
							2,6-Dichlorophenol	20 ppm
							2,6-Dinitrotoluene	20 ppm
							2-Chloronaphthalene	20 ppm
							2-Chlorophenol	20 ppm
							2-Methylnaphthalene	20 ppm
							2-Methylphenol	20 ppm
							2-Nitroaniline	20 ppm
							2-Nitrophenol	20 ppm
							3-Nitroaniline	20 ppm
							4,6-Dinitro-2-methylphenol	40 ppm
							4-Bromophenyl phenyl ether	20 ppm
							4-Chloro-3-methylphenol	20 ppm
							4-Chloroaniline	20 ppm
							4-Chlorophenyl phenyl ether	20 ppm
							4-Methylphenol	20 ppm
							4-Nitroaniline	20 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butylbenzylphthalate	20 ppm
							Carbazole	20 ppm
							Chrysene	20 ppm
							Di-n-butyl phthalate	20 ppm
							Di-n-octyl phthalate	20 ppm
							Dibenz(a,h)anthracene	20 ppm
							Dibenzofuran	20 ppm
							Diethylphthalate	20 ppm
							Dimethylphthalate	20 ppm
							Fluoranthene	20 ppm
							Fluorene	20 ppm
							Hexachlorobenzene	20 ppm
							Hexachlorobutadiene	20 ppm
							Hexachlorocyclopentadiene	20 ppm
							Hexachloroethane	20 ppm
							Indeno[1,2,3-cd]pyrene	20 ppm
							Isophorone	20 ppm
							N-Nitrosodi-n-propylamine	20 ppm
							N-Nitrosodimethylamine	20 ppm
							N-Nitrosodiphenylamine	17 ppm
							Naphthalene	20 ppm
							Nitrobenzene	20 ppm
							Pentachlorophenol	40 ppm
							Phenanthrene	20 ppm
							Phenol	20 ppm
							Pyrene	20 ppm
							Pyridine	40 ppm
							3,3'-Dichlorobenzidine	20 ppm
							Alpha-Terpineol	20 ppm
							Dimethylformamide	20 ppm
							Octachlorostyrene	20 ppm
							Phenyl ether	20 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00010	06/30/23	03/22/23	MeCl2, Lot 226679	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_7_00032	08/31/23	03/22/23	MeCl2, Lot 226679	2 mL	MSS_8270_APWS_00014	640 uL	Benzidine	240 ppm
							1,3,5-Trinitrobenzene	80 ppm
							1,4-Dinitrobenzene	80 ppm
							1-Naphthylamine	80 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Acetylaminofluorene	80 ppm
							2-Naphthylamine	80 ppm
							2-Picoline	80 ppm
							2-Toluidine	80 ppm
							3,3'-Dimethylbenzidine	80 ppm
							4,4'-Methylene bis(2-chloroaniline)	80 ppm
							4-Aminobiphenyl	80 ppm
							4-Nitroquinoline-1-oxide	80 ppm
							Dibenz[a,h]acridine	80 ppm
							N-Nitro-o-toluidine	80 ppm
							N-Nitrosodi-n-butylamine	80 ppm
							N-Nitrosodiethylamine	80 ppm
							N-Nitrosomethylethylamine	80 ppm
							N-Nitrosomorpholine	80 ppm
							N-Nitrosopiperidine	80 ppm
							N-Nitrosopyrrolidine	80 ppm
							p-Dimethylamino azobenzene	80 ppm
							p-Phenylene diamine	80 ppm
							Pentachloronitrobenzene	80 ppm
							Phenacetin	80 ppm
							Pronamide	80 ppm
							Quinoline	80 ppm
							1,4-Naphthoquinone	80 ppm
							1-Chloronaphthalene	80 ppm
							7,12-Dimethylbenz(a)anthracene	80 ppm
							Chlorobenzilate	80 ppm
							Dinoseb	80 ppm
							Ethyl methanesulfonate	80 ppm
							Hexachloropropene	80 ppm
							Isodrin	80 ppm
							Isosafrole Peak 1	12.8 ppm
							Isosafrole Peak 2	67.2 ppm
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	20.8 ppm
					MSS_8270_WS_00015	640 uL	2,4,6-Tribromophenol (Surr)	160 ppm
							2-Fluorobiphenyl (Surr)	160 ppm
							2-Fluorophenol (Surr)	160 ppm
							Nitrobenzene-d5 (Surr)	160 ppm
							p-Terphenyl-d14 (Surr)	160 ppm
							Phenol-d5 (Surr)	160 ppm
							Dibenz[a,j]acridine	80 ppm
							1,1'-Biphenyl	80 ppm
							1,2,4,5-Tetrachlorobenzene	80 ppm
							1,2,4-Trichlorobenzene	80 ppm
							1,2-Dichlorobenzene	80 ppm
							1,2-Diphenylhydrazine	80 ppm
							1,3-Dichlorobenzene	80 ppm
							1,3-Dinitrobenzene	80 ppm
							1,4-Dichlorobenzene	80 ppm
							1,4-Dioxane	80 ppm
							1-Methylnaphthalene	80 ppm
							2,2'-oxybis[1-chloropropane]	80 ppm
							2,3,4,6-Tetrachlorophenol	80 ppm
							2,4,5-Trichlorophenol	80 ppm
							2,4,6-Trichlorophenol	80 ppm
							2,4-Dichlorophenol	80 ppm
							2,4-Dimethylphenol	80 ppm
							2,4-Dinitrophenol	160 ppm
							2,4-Dinitrotoluene	80 ppm
							2,6-Dichlorophenol	80 ppm
							2,6-Dinitrotoluene	80 ppm
							2-Chloronaphthalene	80 ppm
							2-Chlorophenol	80 ppm
							2-Methylnaphthalene	80 ppm
							2-Methylphenol	80 ppm
							2-Nitroaniline	80 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	80 ppm
							Benzo[a]pyrene	80 ppm
							Benzo[b]fluoranthene	80 ppm
							Benzo[g,h,i]perylene	80 ppm
							Benzo[k]fluoranthene	80 ppm
							Benzyl alcohol	80 ppm
							Bis(2-chloroethoxy)methane	80 ppm
							Bis(2-chloroethyl)ether	80 ppm
							Bis(2-ethylhexyl) phthalate	80 ppm
							Butylbenzylphthalate	80 ppm
							Carbazole	80 ppm
							Chrysene	80 ppm
							Di-n-butyl phthalate	80 ppm
							Di-n-octyl phthalate	80 ppm
							Dibenz(a,h)anthracene	80 ppm
							Dibenzofuran	80 ppm
							Diethylphthalate	80 ppm
							Dimethylphthalate	80 ppm
							Fluoranthene	80 ppm
							Fluorene	80 ppm
							Hexachlorobenzene	80 ppm
							Hexachlorobutadiene	80 ppm
							Hexachlorocyclopentadiene	80 ppm
							Hexachloroethane	80 ppm
							Indeno[1,2,3-cd]pyrene	80 ppm
							Isophorone	80 ppm
							N-Nitrosodi-n-propylamine	80 ppm
							N-Nitrosodimethylamine	80 ppm
							N-Nitrosodiphenylamine	68 ppm
							Naphthalene	80 ppm
							Nitrobenzene	80 ppm
							Pentachlorophenol	160 ppm
							Phenanthrene	80 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_8270_APWS_00014	08/31/23	03/22/23	MeCl2, Lot 226679	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00009	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_00011	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_00007	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00008	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00009	08/31/23		Restek, Lot A0188198		(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_00011	01/31/24		Restek, Lot A0193498		(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_00007	01/31/24		Restek, Lot A0193475		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00008	01/31/25		Restek, Lot A0193163		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00015	09/22/23	03/22/23	MeCl2, Lot 226679	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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00009	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00003	1250 uL	Alpha-Terpineol	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00011	04/30/24	Restek, Lot A0190414			(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00009	02/29/24		Restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00003	02/28/26		Restek, Lot A0194427		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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_8_00028	04/30/23	11/23/22	MeCl2, Lot 222743	1 mL	MSS_BAS_WS_00009	300 uL	Atrazine	30 ppm
							Benzaldehyde	30 ppm
							Caprolactam	30 ppm
					MSS_FV8270_8_00028	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Disulfoton	30 ppm
							Ethyl Parathion	30 ppm
							Methyl parathion	30 ppm
							o,o',o''-Triethylphosphorothioate	30 ppm
							Phorate	30 ppm
							Safrole, Total	30 ppm
							Sulfotepp	30 ppm
							Thionazin	30 ppm
							trans-Diallate	7.8 ppm
							2,4,6-Tribromophenol (Surr)	60 ppm
							2-Fluorobiphenyl (Surr)	60 ppm
							2-Fluorophenol (Surr)	60 ppm
							Nitrobenzene-d5 (Surr)	60 ppm
							p-Terphenyl-d14 (Surr)	60 ppm
							Phenol-d5 (Surr)	60 ppm
							Dibenz[a,j]acridine	30 ppm
							1,1'-Biphenyl	30 ppm
							1,2,4,5-Tetrachlorobenzene	30 ppm
							1,2,4-Trichlorobenzene	30 ppm
							1,2-Dichlorobenzene	30 ppm
							1,2-Diphenylhydrazine	30 ppm
							1,3-Dichlorobenzene	30 ppm
							1,3-Dinitrobenzene	30 ppm
							1,4-Dichlorobenzene	30 ppm
							1,4-Dioxane	30 ppm
							1-Methylnaphthalene	30 ppm
							2,2'-oxybis[1-chloropropane]	30 ppm
							2,3,4,6-Tetrachlorophenol	30 ppm
							2,4,5-Trichlorophenol	30 ppm
							2,4,6-Trichlorophenol	30 ppm
							2,4-Dichlorophenol	30 ppm
							2,4-Dimethylphenol	30 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	30 ppm
							4-Methylphenol	30 ppm
							4-Nitroaniline	30 ppm
							4-Nitrophenol	60 ppm
							Acenaphthene	30 ppm
							Acenaphthylene	30 ppm
							Acetophenone	30 ppm
							Aniline	30 ppm
							Anthracene	30 ppm
							Benzo[a]anthracene	30 ppm
							Benzo[a]pyrene	30 ppm
							Benzo[b]fluoranthene	30 ppm
							Benzo[g,h,i]perylene	30 ppm
							Benzo[k]fluoranthene	30 ppm
							Benzyl alcohol	30 ppm
							Bis(2-chloroethoxy)methane	30 ppm
							Bis(2-chloroethyl)ether	30 ppm
							Bis(2-ethylhexyl) phthalate	30 ppm
							Butylbenzylphthalate	30 ppm
							Carbazole	30 ppm
							Chrysene	30 ppm
							Di-n-butyl phthalate	30 ppm
							Di-n-octyl phthalate	30 ppm
							Dibenz(a,h)anthracene	30 ppm
							Dibenzofuran	30 ppm
							Diethylphthalate	30 ppm
							Dimethylphthalate	30 ppm
							Fluoranthene	30 ppm
							Fluorene	30 ppm
							Hexachlorobenzene	30 ppm
							Hexachlorobutadiene	30 ppm
							Hexachlorocyclopentadiene	30 ppm
							Hexachloroethane	30 ppm
							Indeno[1,2,3-cd]pyrene	30 ppm
							Isophorone	30 ppm
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Octachlorostyrene	30 ppm
							Phenyl ether	30 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00009	05/23/23	11/23/22	MeCl2, Lot 222743	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_8_00028	04/30/23	11/23/22	MeCl2, Lot 222743	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isodrin	120 ppm
							Isosafrole Peak 1	19.2 ppm
							Isosafrole Peak 2	100.8 ppm
							Methyl methanesulfonate	120 ppm
							Pentachlorobenzene	120 ppm
							3-Methylcholanthrene	120 ppm
							6-Methylchrysene	120 ppm
							cis-Diallate	88.8 ppm
							Dimethoate	120 ppm
							Disulfoton	120 ppm
							Ethyl Parathion	120 ppm
							Methyl parathion	120 ppm
							o,o',o''-Triethylphosphorothioate	120 ppm
							Phorate	120 ppm
							Safrole, Total	120 ppm
							Sulfotepp	120 ppm
							Thionazin	120 ppm
							trans-Diallate	31.2 ppm
					MSS_8270_WS_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	120 ppm
							2-Methylphenol	120 ppm
							2-Nitroaniline	120 ppm
							2-Nitrophenol	120 ppm
							3-Nitroaniline	120 ppm
							4,6-Dinitro-2-methylphenol	240 ppm
							4-Bromophenyl phenyl ether	120 ppm
							4-Chloro-3-methylphenol	120 ppm
							4-Chloroaniline	120 ppm
							4-Chlorophenyl phenyl ether	120 ppm
							4-Methylphenol	120 ppm
							4-Nitroaniline	120 ppm
							4-Nitrophenol	240 ppm
							Acenaphthene	120 ppm
							Acenaphthylene	120 ppm
							Acetophenone	120 ppm
							Aniline	120 ppm
							Anthracene	120 ppm
							Benzo[a]anthracene	120 ppm
							Benzo[a]pyrene	120 ppm
							Benzo[b]fluoranthene	120 ppm
							Benzo[g,h,i]perylene	120 ppm
							Benzo[k]fluoranthene	120 ppm
							Benzyl alcohol	120 ppm
							Bis(2-chloroethoxy)methane	120 ppm
							Bis(2-chloroethyl)ether	120 ppm
							Bis(2-ethylhexyl) phthalate	120 ppm
							Butylbenzylphthalate	120 ppm
							Carbazole	120 ppm
							Chrysene	120 ppm
							Di-n-butyl phthalate	120 ppm
							Di-n-octyl phthalate	120 ppm
							Dibenz(a,h)anthracene	120 ppm
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	120 ppm
							Pentachlorophenol	240 ppm
							Phenanthrene	120 ppm
							Phenol	120 ppm
							Pyrene	120 ppm
							Pyridine	240 ppm
							3,3'-Dichlorobenzidine	120 ppm
							Benzidine	360 ppm
							Alpha-Terpineol	120 ppm
							Dimethylformamide	120 ppm
							Octachlorostyrene	120 ppm
							Phenyl ether	120 ppm
					MSS_FV8270_IS_00005	40 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	10/27/25		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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							2,4,5-Trichlorophenol	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	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
							Hexachlorobenzene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							2,6-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
MSS_RV8270_8_00029	06/30/23	03/22/23	MeCl2, Lot 226679	1 mL	MSS_BAS_WS_00010	300 uL	Atrazine	30 ppm
							Benzaldehyde	30 ppm
							Caprolactam	30 ppm
					MSS_FV8270_8_00029	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	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
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00010	06/30/23	03/22/23	MeCl2, Lot 226679	5 mL	OP_LCSmix2stk_00005	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00005	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_8_00029	08/31/23	03/22/23	MeCl2, Lot 226679	2 mL	MSS_8270_APWS_00014	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00015	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	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
							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_00014	08/31/23	03/22/23	MeCl2, Lot 226679	10 mL	MSS_AB_BZIDIN_00011	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00009	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00011	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_00007	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00008	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	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00009	08/31/23		Restek, Lot A0188198		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00011	01/31/24		Restek, Lot A0193498		(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_00007	01/31/24		Restek, Lot A0193475		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00008	01/31/25		Restek, Lot A0193163		(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_00015	09/22/23	03/22/23	MeCl2, Lot 226679	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	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_00009	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00003	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_00011	04/30/24		Restek, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	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
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	02/29/24		Restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00003	02/28/26		Restek, Lot A0194427		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_IS_00022	11/30/23	02/23/21	MeCl2, Lot 206284	25 mL	MSS_FV8270_IS_00005	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
.MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	1000 ug/mL
MSS_RV8270ICV_00019	04/30/23	03/23/23	MeCl2, Lot 226680	3 mL	MSS_FV8270ICV_00022	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_00022	04/30/23	01/11/23	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
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00019	04/30/23	03/23/23	MeCl2, Lot 226680	3 mL	MSS_FV8270ICV_00022	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_00022	04/30/23	01/11/23	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVDFTPP_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_RVDFTPP_00013							4,4'-DDD	
							4,4'-DDE	
							Aramite, Total	
							Diallate	
							Isosafrole	
							m&p-Methylphenol	
							Tentatively Identified Compound	
							Total Cresols	
							Total PAH	
					MSS_AB_DFTPP_00016	650 uL	4,4'-DDT	13 ppm
							Benzidine_T	13 ppm
							DFTPP	13 ppm
							Pentachlorophenol_T	13 ppm
.MSS_AB_DFTPP_00016	07/20/25		Absolute, Lot 072022		(Purchased Reagent)		4,4'-DDT	500 ug/mL
							Benzidine_T	500 ug/mL
							DFTPP	500 ug/mL
							Pentachlorophenol_T	500 ug/mL
MSS_RVHCPICV_00007	08/16/23	03/22/23	MeCl2, Lot 226680	1 mL	MSS_RV8270_IS_00058	20 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_RV8270_IS_00058	08/16/23	03/10/23	MeCl2, Lot 226455	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_RVPDAICV_00001	04/14/23	12/21/22	MeCl2, Lot 225721	1 mL	MSS_RV8270_IS_00055	20 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_RV8270_IS_00055	06/18/23	12/18/22	MeCl2, Lot 225721	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_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	0.01 ppm
							2-Methylnaphthalene	0.01 ppm
							Acenaphthene	0.01 ppm
							Acenaphthylene	0.01 ppm
							Anthracene	0.01 ppm
							Benzo[a]anthracene	0.01 ppm
							Benzo[a]pyrene	0.01 ppm
							Benzo[b]fluoranthene	0.01 ppm
							Benzo[e]pyrene	0.01 ppm
							Benzo[g,h,i]perylene	0.01 ppm
							Benzo[k]fluoranthene	0.01 ppm
							Chrysene	0.01 ppm
							Dibenz(a,h)anthracene	0.01 ppm
							Dibenzofuran	0.01 ppm
							Fluoranthene	0.01 ppm
							Fluorene	0.01 ppm
							Indeno[1,2,3-cd]pyrene	0.01 ppm
							Naphthalene	0.01 ppm
							Perylene	0.01 ppm
							Phenanthrene	0.01 ppm
							Pyrene	0.01 ppm
							Quinoline	0.01 ppm
							1-Methylnaphthalene-d10 (Surr)	0.01 ppm
							Benzo(a)pyrene-d12 (Surr)	0.01 ppm
							Fluoranthene-d10 (Surr)	0.01 ppm
.MSS_PHTH_WS1_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							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_1_00021	09/23/23	04/25/23	MeCl2, Lot 230081	2 mL	MSS_PHTH_WS1_00013	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_00038	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_00016	2 uL	1,4-Dioxane	0.01 ppm
							Bis(2-chloroethyl)ether	0.01 ppm
							Hexachlorobenzene	0.01 ppm
							N-Nitrosodimethylamine	0.01 ppm
							N-Nitrosodiphenylamine	0.01 ppm
							1-Methylnaphthalene	0.01 ppm
							2-Methylnaphthalene	0.01 ppm
							Acenaphthene	0.01 ppm
							Acenaphthylene	0.01 ppm
							Anthracene	0.01 ppm
							Benzo[a]anthracene	0.01 ppm
							Benzo[a]pyrene	0.01 ppm
							Benzo[b]fluoranthene	0.01 ppm
							Benzo[e]pyrene	0.01 ppm
							Benzo[g,h,i]perylene	0.01 ppm
							Benzo[k]fluoranthene	0.01 ppm
							Chrysene	0.01 ppm
							Dibenz(a,h)anthracene	0.01 ppm
							Dibenzofuran	0.01 ppm
							Fluoranthene	0.01 ppm
							Fluorene	0.01 ppm
							Indeno[1,2,3-cd]pyrene	0.01 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00013	09/24/23	03/24/23	MeCl2, Lot 226680	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_00038	10/17/23	04/18/23	MeCl2, Lot 230080	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_00016	09/23/23	03/24/23	MeCl2, Lot 226680	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00007	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00010	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00008	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00012	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00009	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_00007	02/10/27		Absolute, Lot 021022		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00010	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00008	01/16/26		Absolute, Lot 011623		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00012	07/21/27		Absolute, Lot 072122		(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_00009	01/17/25		Absolute, Lot 011722		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	0.5 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
.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

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Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	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
					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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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_2_00021	09/23/23	04/25/23	MeCl2, Lot 230081	1 mL	MSS_PHTH_WS1_00013	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_00038	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_00016	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	0.05 ppm
							Anthracene	0.05 ppm
							Benzo[a]anthracene	0.05 ppm
							Benzo[a]pyrene	0.05 ppm
							Benzo[b]fluoranthene	0.05 ppm
							Benzo[e]pyrene	0.05 ppm
							Benzo[g,h,i]perylene	0.05 ppm
							Benzo[k]fluoranthene	0.05 ppm
							Chrysene	0.05 ppm
							Dibenz(a,h)anthracene	0.05 ppm
							Dibenzofuran	0.05 ppm
							Fluoranthene	0.05 ppm
							Fluorene	0.05 ppm
							Indeno[1,2,3-cd]pyrene	0.05 ppm
							Naphthalene	0.05 ppm
							Perylene	0.05 ppm
							Phenanthrene	0.05 ppm
							Pyrene	0.05 ppm
							Quinoline	0.05 ppm
							1-Methylnaphthalene-d10 (Surr)	0.05 ppm
							Benzo(a)pyrene-d12 (Surr)	0.05 ppm
							Fluoranthene-d10 (Surr)	0.05 ppm
.MSS_PHTH_WS1_00013	09/24/23	03/24/23	MeCl2, Lot 226680	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_00038	10/17/23	04/18/23	MeCl2, Lot 230080	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_00016	09/23/23	03/24/23	MeCl2, Lot 226680	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00007	50 uL	Bis(2-chloroethyl)ether	10 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSS_AB_HCB_00010	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00008	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00012	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_00009	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_00007	02/10/27		Absolute, Lot 021022		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00010	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00008	01/16/26		Absolute, Lot 011623		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00012	07/21/27		Absolute, Lot 072122		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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
							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_00009	01/17/25		Absolute, Lot 011722		(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
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00007	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00003	03/23/23		Absolute, Lot 032318		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00009	06/23/26		Absolute, Lot 062321		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00007	06/18/23		Absolute, Lot 061820		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_3_00022	09/23/23	03/24/23	MeCl2, Lot 226680	1 mL	MSS_PHTH_WS1_00013	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSS_RVSIM_IS_00037	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_00016	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_00013	09/24/23	03/24/23	MeCl2, Lot 226680	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_RVSIM_IS_00037	09/24/23	03/24/23	MeCl2, Lot 226680	10 mL	MSS_SIMTEL_IS_00012	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_00012	05/31/27		Restek, Lot A0173418		(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_00016	09/23/23	03/24/23	MeCl2, Lot 226680	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00007	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00010	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00008	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00012	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_00009	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_00007	02/10/27		Absolute, Lot 021022		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00010	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00008	01/16/26		Absolute, Lot 011623		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00012	07/21/27		Absolute, Lot 072122		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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
							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_00009	01/17/25		Absolute, Lot 011722		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	0.5 ppm
							Benzo[b]fluoranthene	0.5 ppm
							Benzo[e]pyrene	0.5 ppm
							Benzo[g,h,i]perylene	0.5 ppm
							Benzo[k]fluoranthene	0.5 ppm
							Chrysene	0.5 ppm
							Dibenz(a,h)anthracene	0.5 ppm
							Dibenzofuran	0.5 ppm
							Fluoranthene	0.5 ppm
							Fluorene	0.5 ppm
							Indeno[1,2,3-cd]pyrene	0.5 ppm
							Naphthalene	0.5 ppm
							Perylene	0.5 ppm
							Phenanthrene	0.5 ppm
							Pyrene	0.5 ppm
							Quinoline	0.5 ppm
							1-Methylnaphthalene-d10 (Surr)	0.5 ppm
							Benzo(a)pyrene-d12 (Surr)	0.5 ppm
							Fluoranthene-d10 (Surr)	0.5 ppm
.MSS_PHTH_WS1_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00007	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00003	03/23/23		Absolute, Lot 032318		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00009	06/23/26		Absolute, Lot 062321		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00028	09/23/23	03/24/23	MeCl2, Lot 226680	5 mL	MSS_PHTH_WS1_00013	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_00037	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_00016	250 uL	1,4-Dioxane	0.5 ppm
							Bis(2-chloroethyl)ether	0.5 ppm
							Hexachlorobenzene	0.5 ppm
							N-Nitrosodimethylamine	0.5 ppm
							N-Nitrosodiphenylamine	0.5 ppm
							1-Methylnaphthalene	0.5 ppm
							2-Methylnaphthalene	0.5 ppm
							Acenaphthene	0.5 ppm
							Acenaphthylene	0.5 ppm
							Anthracene	0.5 ppm
							Benzo[a]anthracene	0.5 ppm
							Benzo[a]pyrene	0.5 ppm
							Benzo[b]fluoranthene	0.5 ppm
							Benzo[e]pyrene	0.5 ppm
							Benzo[g,h,i]perylene	0.5 ppm
							Benzo[k]fluoranthene	0.5 ppm
							Chrysene	0.5 ppm
							Dibenz(a,h)anthracene	0.5 ppm
							Dibenzofuran	0.5 ppm
							Fluoranthene	0.5 ppm
							Fluorene	0.5 ppm
							Indeno[1,2,3-cd]pyrene	0.5 ppm
							Naphthalene	0.5 ppm
							Perylene	0.5 ppm
							Phenanthrene	0.5 ppm
							Pyrene	0.5 ppm
							Quinoline	0.5 ppm
							1-Methylnaphthalene-d10 (Surr)	0.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo(a)pyrene-d12 (Surr)	0.5 ppm
							Fluoranthene-d10 (Surr)	0.5 ppm
.MSS_PHTH_WS1_00013	09/24/23	03/24/23	MeCl2, Lot 226680	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_00037	09/24/23	03/24/23	MeCl2, Lot 226680	10 mL	MSS_SIMTEL_IS_00012	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_00012	05/31/27		Restek, Lot A0173418		(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_00016	09/23/23	03/24/23	MeCl2, Lot 226680	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00007	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00010	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00008	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00012	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00009	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_00007	02/10/27		Absolute, Lot 021022		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00010	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00008	01/16/26		Absolute, Lot 011623		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00012	07/21/27		Absolute, Lot 072122		(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_00009	01/17/25		Absolute, Lot 011722		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_5_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_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
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00007	06/18/23		Absolute, Lot 061820		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_5_00021	09/23/23	04/25/23	MeCl2, Lot 230081	1 mL	MSS_PHTH_WS1_00013	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_00038	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_00016	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	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_00013	09/24/23	03/24/23	MeCl2, Lot 226680	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_00038	10/17/23	04/18/23	MeCl2, Lot 230080	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_00016	09/23/23	03/24/23	MeCl2, Lot 226680	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00007	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00010	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00008	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00012	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00009	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_00007	02/10/27		Absolute, Lot 021022		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00010	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00008	01/16/26		Absolute, Lot 011623		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00012	07/21/27		Absolute, Lot 072122		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_AB_QUIN_00009	01/17/25		Absolute, Lot 011722		(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
							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

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Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	10 ppm
					MSS_AB_QUIN_00007	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00003	03/23/23		Absolute, Lot 032318		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00009	06/23/26		Absolute, Lot 062321		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00007	06/18/23		Absolute, Lot 061820		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_6_00018	09/23/23	04/25/23	MeCl2, Lot 230081	1 mL	MSS_PHTH_WS1_00013	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_00038	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSS_RVSIM_WS1_00016	250 uL	1,4-Dioxane	2.5 ppm
							Bis(2-chloroethyl)ether	2.5 ppm
							Hexachlorobenzene	2.5 ppm
							N-Nitrosodimethylamine	2.5 ppm
							N-Nitrosodiphenylamine	2.5 ppm
							1-Methylnaphthalene	2.5 ppm
							2-Methylnaphthalene	2.5 ppm
							Acenaphthene	2.5 ppm
							Acenaphthylene	2.5 ppm
							Anthracene	2.5 ppm
							Benzo[a]anthracene	2.5 ppm
							Benzo[a]pyrene	2.5 ppm
							Benzo[b]fluoranthene	2.5 ppm
							Benzo[e]pyrene	2.5 ppm
							Benzo[g,h,i]perylene	2.5 ppm
							Benzo[k]fluoranthene	2.5 ppm
							Chrysene	2.5 ppm
							Dibenz(a,h)anthracene	2.5 ppm
							Dibenzofuran	2.5 ppm
							Fluoranthene	2.5 ppm
							Fluorene	2.5 ppm
							Indeno[1,2,3-cd]pyrene	2.5 ppm
							Naphthalene	2.5 ppm
							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_00013	09/24/23	03/24/23	MeCl2, Lot 226680	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_00038	10/17/23	04/18/23	MeCl2, Lot 230080	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00016	09/23/23	03/24/23	MeCl2, Lot 226680	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00007	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00010	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00008	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00012	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_00009	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_00007	02/10/27		Absolute, Lot 021022		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00010	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00008	01/16/26		Absolute, Lot 011623		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00012	07/21/27		Absolute, Lot 072122		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00009	01/17/25		Absolute, Lot 011722		(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_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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butylbenzylphthalate	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	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
							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_00036	08/08/23	02/08/23	MeCl2, Lot 218390	10 mL	MSS_SIMTEL_IS_00012	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_00012	05/31/27		Restek, Lot A0173418		(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_00037	09/24/23	03/24/23	MeCl2, Lot 226680	10 mL	MSS_SIMTEL_IS_00012	125 uL	1,4-Dichlorobenzene-d4	25 ppm

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
.MSS_SIMTEL_IS_00012	05/31/27		Restek, Lot A0173418		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MSV_4ppbEtOH_00469	12/12/22	12/05/22	DI Water, Lot DI 21319	1000 mL	MSV_CCV_2CEVE_00096	4 uL	2-Chloroethyl vinyl ether	0.004 ug/mL
					MSV_CCV_CYC_00004	32 uL	Cyclohexanone	0.200013 ug/mL
					MSV_CCV_ETOH_00003	20 uL	Ethanol	0.250006 ug/mL
					MSV_CCV_GASES_00321	2 uL	1,2-Dichloro-1,1,2-trifluoroethane	0.004 ug/mL
							Bromomethane	0.004 ug/mL
							Butadiene	0.004 ug/mL
							Chloroethane	0.004 ug/mL
							Chloromethane	0.004 ug/mL
							Dichlorodifluoromethane	0.004 ug/mL
							Dichlorofluoromethane	0.004 ug/mL
							Trichlorofluoromethane	0.004 ug/mL
							Vinyl chloride	0.004 ug/mL
					MSV_CCV_VOC#1_00100	4 uL	1,1,1,2-Tetrachloroethane	0.004 ug/mL
							1,1,1-Trichloroethane	0.004 ug/mL
							1,1,2,2-Tetrachloroethane	0.004 ug/mL
							1,1,2-Trichloroethane	0.004 ug/mL
							1,1-Dichloroethane	0.004 ug/mL
							1,1-Dichloroethene	0.004 ug/mL
							1,1-Dichloropropene	0.004 ug/mL
							1,2,3-Trichlorobenzene	0.004 ug/mL
							1,2,3-Trichloropropane	0.004 ug/mL
							1,2,4-Trichlorobenzene	0.004 ug/mL
							1,2,4-Trimethylbenzene	0.004 ug/mL
							1,2-Dibromo-3-Chloropropane	0.004 ug/mL
							1,2-Dibromoethane	0.004 ug/mL
							1,2-Dichlorobenzene	0.004 ug/mL
							1,2-Dichloroethane	0.004 ug/mL
							1,2-Dichloropropane	0.004 ug/mL
							1,3,5-Trimethylbenzene	0.004 ug/mL
							1,3-Dichlorobenzene	0.004 ug/mL
							1,3-Dichloropropane	0.004 ug/mL
							1,4-Dichlorobenzene	0.004 ug/mL
							2,2-Dichloropropane	0.004 ug/mL
							2-Chlorotoluene	0.004 ug/mL

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Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorotoluene	0.004 ug/mL
							4-Isopropyltoluene	0.004 ug/mL
							Benzene	0.004 ug/mL
							Bromobenzene	0.004 ug/mL
							Bromodichloromethane	0.004 ug/mL
							Bromoform	0.004 ug/mL
							Carbon tetrachloride	0.004 ug/mL
							Chlorobenzene	0.004 ug/mL
							Chlorobromomethane	0.004 ug/mL
							Chloroform	0.004 ug/mL
							cis-1,2-Dichloroethene	0.004 ug/mL
							cis-1,3-Dichloropropene	0.004 ug/mL
							Dibromochloromethane	0.004 ug/mL
							Dibromomethane	0.004 ug/mL
							Ethylbenzene	0.004 ug/mL
							Hexachlorobutadiene	0.004 ug/mL
							Isopropylbenzene	0.004 ug/mL
							m-Xylene & p-Xylene	0.008 ug/mL
							Methylene Chloride	0.004 ug/mL
							n-Butylbenzene	0.004 ug/mL
							N-Propylbenzene	0.004 ug/mL
							Naphthalene	0.004 ug/mL
							o-Xylene	0.004 ug/mL
							sec-Butylbenzene	0.004 ug/mL
							Styrene	0.004 ug/mL
							tert-Butylbenzene	0.004 ug/mL
							Tetrachloroethene	0.004 ug/mL
							Toluene	0.004 ug/mL
							trans-1,2-Dichloroethene	0.004 ug/mL
							trans-1,3-Dichloropropene	0.004 ug/mL
							Trichloroethene	0.004 ug/mL
							1,2,3-Trimethylbenzene	0.004 ug/mL
							1,3,5-Trichlorobenzene	0.004 ug/mL
							1,3-Diethylbenzene	0.004 ug/mL
							1,4-Dioxane	0.05 ug/mL
							1-Chlorohexane	0.004 ug/mL
							2-Chloro-1,3-butadiene	0.004 ug/mL
							2-ethoxy-2-methyl butane	0.004 ug/mL
							2-Methyl-2-propanol	0.02 ug/mL
							2-Methylnaphthalene	0.004 ug/mL
							2-Nitropropane	0.02 ug/mL
							3-Chloro-1-propene	0.004 ug/mL
							Acrylonitrile	0.01 ug/mL
							Benzyl chloride	0.004 ug/mL
							Carbon disulfide	0.004 ug/mL
							Cyclohexane	0.004 ug/mL
							Ethyl methacrylate	0.004 ug/mL
							Freon 113	0.004 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	0.004 ug/mL
							Iodomethane	0.004 ug/mL
							Isobutyl alcohol	0.05 ug/mL
							Isopropyl alcohol	0.02 ug/mL
							Isopropyl ether	0.004 ug/mL
							Methacrylonitrile	0.01 ug/mL
							Methyl acetate	0.004 ug/mL
							Methyl methacrylate	0.004 ug/mL
							Methyl tertiary butyl ether	0.004 ug/mL
							Methylcyclohexane	0.004 ug/mL
							n-Butanol	0.05 ug/mL
							n-Heptane	0.004 ug/mL
							o-diethylbenzene	0.004 ug/mL
							p-Diethylbenzene	0.004 ug/mL
							Pentane	0.004 ug/mL
							Propionitrile	0.02 ug/mL
							Tert-amyl methyl ether	0.004 ug/mL
							Tert-butyl ethyl ether	0.004 ug/mL
							Tetrahydrofuran	0.02 ug/mL
							trans-1,4-Dichloro-2-butene	0.01 ug/mL
					MSV_CCV_VOC#3_00100	3.2 uL	Acrolein	0.0399986 ug/mL
							2-Butanone	0.008 ug/mL
							2-Hexanone	0.008 ug/mL
							4-Methyl-2-pentanone	0.008 ug/mL
							Acetone	0.008 ug/mL
.MSV_CCV_2CEVE_00096	01/03/23	12/04/22	Methanol, Lot EB679	5 mL	MSV_V_2CLEVE_00099	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00099	04/30/25	Restek, Lot A0184487			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00004	01/28/23	07/28/22	50/50 MeOH/Water, Lot EB679	100 mL	MSV_VCYC_STK_00008	2.787 mL	Cyclohexanone	6250.4 ug/mL
..MSV_VCYC_STK_00008	01/28/23	07/28/22	50/50 MeOH/Water, Lot EB679	10 mL	MSV_CYC_00007	2.2427 g	Cyclohexanone	224270 ug/mL
...MSV_CYC_00007	05/31/23	Chem Service, Lot 12628400			(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_ETOH_00003	04/11/23	10/11/22	Methanol, Lot EB679	200 mL	MSV_VETOH_STK_00011	8.612 mL	Ethanol	12500.3 ug/mL
..MSV_VETOH_STK_00011	04/11/23	10/11/22	Methanol, Lot EB679	10 mL	MSV_EtOH_00034	2.903 g	Ethanol	290300 ug/mL
...MSV_EtOH_00034	08/30/25	Chem Service, Lot 13347300			(Purchased Reagent)		Ethanol	1 g/g
.MSV_CCV_GASES_00321	12/12/22	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_00100	01/03/23	12/04/22	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00100	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL

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Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00097	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
							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_00100	01/03/23		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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00097	01/03/23		Restek, Lot A0173454		(Purchased Reagent)		1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	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
.MSV_CCV_VOC#3_00100	01/01/23	12/04/22	Methanol, Lot EB679	5 mL	MSV_CCV_ACR_00007	0.5 mL	Acrolein	12499.5 ug/mL
					MSV_V_Ketones_00094	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_00007	01/01/23	11/02/22	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00029	9.203 mL	Acrolein	124995 ug/mL
...MSV_VACR_STK_00029	01/01/23	11/02/22	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00021	1.4573 g	Acrolein	135820 ug/mL
....MSV_ACROLEIN_00021	02/28/23	Chem Service, Lot 12926800			(Purchased Reagent)		Acrolein	0.932 g/g
..MSV_V_Ketones_00094	11/30/25	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_00096	01/03/23	12/04/22	Methanol, Lot EB679	5 mL	MSV_V_2CLEVE_00099	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_V_2CLEVE_00099	04/30/25	Restek, Lot A0184487			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00004	01/28/23	07/28/22	50/50 MeOH/Water, Lot EB679	100 mL	MSV_VCYC_STK_00008	2.787 mL	Cyclohexanone	6250.4 ug/mL
.MSV_VCYC_STK_00008	01/28/23	07/28/22	50/50 MeOH/Water, Lot EB679	10 mL	MSV_CYC_00007	2.2427 g	Cyclohexanone	224270 ug/mL
..MSV_CYC_00007	05/31/23	Chem Service, Lot 12628400			(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_ETOH_00003	04/11/23	10/11/22	Methanol, Lot EB679	200 mL	MSV_VETOH_STK_00011	8.612 mL	Ethanol	12500.3 ug/mL
.MSV_VETOH_STK_00011	04/11/23	10/11/22	Methanol, Lot EB679	10 mL	MSV_EtOH_00034	2.903 g	Ethanol	290300 ug/mL
..MSV_EtOH_00034	08/30/25	Chem Service, Lot 13347300			(Purchased Reagent)		Ethanol	1 g/g
MSV_CCV_GASES_00321	12/12/22	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_GASES_00486	06/02/23	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_00100	01/03/23	12/04/22	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00100	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00097	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00100	01/03/23		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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00097	01/03/23		Restek, Lot A0173454		(Purchased Reagent)		1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Freon 113	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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#1_00127	06/27/23	05/28/23	Methanol, Lot EG095	5 mL	MSV_MegaMIX#1_00126	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00122	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_00126	06/27/23		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
							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_00122	06/27/23		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_00100	01/01/23	12/04/22	Methanol, Lot EB679	5 mL	MSV_CCV_ACR_00007	0.5 mL	Acrolein	12499.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_V_Ketones_00094	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_00007	01/01/23	11/02/22	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00029	9.203 mL	Acrolein	124995 ug/mL
..MSV_VACR_STK_00029	01/01/23	11/02/22	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00021	1.4573 g	Acrolein	135820 ug/mL
...MSV_ACROLEIN_00021	02/28/23	Chem Service, Lot 12926800			(Purchased Reagent)		Acrolein	0.932 g/g
.MSV_V_Ketones_00094	11/30/25	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_00127	06/03/23	05/28/23	Methanol, Lot EG095	5 mL	MSV_V_Ketones_00121	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_00121	01/31/25	Restek, Lot A0186508			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_HP23_ISSS_00010	09/07/23	04/07/23	Methanol, Lot EB679	10 mL	MSV_Cus826_IS_00553	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_00553	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_HP23_ISSS_00010	09/07/23	04/07/23	Methanol, Lot EB679	10 mL	MSV_8260_SS_00882	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_00882	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_HP4_ISSS_00016	05/29/23	11/29/22	Methanol, Lot EB679	10 mL	MSV_8260_SS_00799	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_00515	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_00799	05/30/23	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_Cus826_IS_00515	05/29/23		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_LCS_Gases_00117	12/11/22	12/04/22	Methanol, Lot EB679	25 mL	MSV_QC_2K_GAS_00120	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_00120	05/31/24		Restek, Lot A0172021		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_Gases_00144	06/04/23	05/28/23	Methanol, Lot EG095	25 mL	MSV_QC_2K_GAS_00145	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_00145	06/04/23		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_00085	01/03/23	12/04/22	Methanol, Lot EB679	25 mL	MSV_M_MIX1SEC_00102	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00099	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_00102	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_00102	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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
							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_00099	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_00102	11/30/24		Restek, Lot A0178490		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00111	06/27/23	05/28/23	Methanol, Lot EG095	25 mL	MSV_M_MIX1SEC_00142	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00130	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_00132	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_00142	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_M_MIX2SEC_00130	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_00132	04/30/25		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_00008							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							Xylenes, Total	
					MSV_VBFB_STK_00008	0.128 mL	BFB	49.8125 ug/mL
.MSV_VBFB_STK_00008	12/27/22	06/27/22	Methanol, Lot EB679	10 mL	MSV_4BFB_NEAT_00008	0.9729 g	BFB	97290 ug/mL
..MSV_4BFB_NEAT_00008	02/28/25		Chem Service, Lot 13233000		(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00011							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							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_2BXE_MS_00007	08/20/23	05/12/23	ACETONE, Lot EF748-US	100 mL	MSS_2-BuOx6Ac_00001	5 mL	2-Butoxyethyl acetate	50 ppm
					MSS_2BXE_WS_00003	5 mL	2-Butoxyethanol	52.92 ppm
.MSS_2-BuOx6Ac_00001	08/20/23	02/20/23	MeCl2, Lot 226057	100 mL	MSV_2-BuOx6Ac_00001	100 mg	2-Butoxyethyl acetate	1000 mg/L
..MSV_2-BuOx6Ac_00001	02/13/28		Sigma Aldrich, Lot STBK6468		(Purchased Reagent)		2-Butoxyethyl acetate	1 g/g
.MSS_2BXE_WS_00003	11/11/23	05/11/23	MeCl2, Lot 63055	50 mL	MSS_CS_2BXE_00001	0.054 g	2-Butoxyethanol	1058.4 ug/mL
..MSS_CS_2BXE_00001	03/31/26		Chem Service, Lot 13350800		(Purchased Reagent)		2-Butoxyethanol	98 %
OP_AMINE_MS_00009	06/17/23	12/16/22	ACETONE, Lot ED774-US	50 mL	OP_AMINE_STK_00010	0.125 mL	Dicyclohexylamine	49998.8 ppb
							n,n'-Dimethylaniline	25268.1 ppb
							Triethyl amine	49973.9 ppb
.OP_AMINE_STK_00010	06/17/23	12/16/22	MeCl2, Lot 224742	10 mL	OP_DILAMIN_NT_00002	0.201 g	Dicyclohexylamine	19999500 ppb
					OP_NNDIM_NT_00003	0.1023 g	n,n'-Dimethylaniline	10107200 ppb
					OP_TRIEMIN_NT_00001	0.2009 g	Triethyl amine	19989600 ppb
..OP_DILAMIN_NT_00002	12/31/23		ChemService, Lot 12287400		(Purchased Reagent)		Dicyclohexylamine	99.5 %
..OP_NNDIM_NT_00003	07/31/25		ChemService, Lot 13283500		(Purchased Reagent)		n,n'-Dimethylaniline	98.8 %
..OP_TRIEMIN_NT_00001	03/31/24		ChemService, Lot 9451900		(Purchased Reagent)		Triethyl amine	99.5 %

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
OP_MINIBNA_SS_00089	10/07/23	05/25/23	Methanol, Lot 221032	1000 mL	OP_BNA_SS_00053	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_00053	10/07/23	04/25/23	Methanol, Lot 221032	2000 mL	OP_BNA_STK_00052	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_00052	10/07/23		Agilent, Lot 0006730540		(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_00167	06/05/23	05/19/23	ACETONE, Lot EF748-US	100 mL	OP_LCS1_MS_00056	25 mL	1,1'-Biphenyl	12500 ppb
							1,2,4,5-Tetrachlorobenzene	12500 ppb
							1,2,4-Trichlorobenzene	12500 ppb
							1,2-Dichlorobenzene	12500 ppb
							1,2-Diphenylhydrazine	12500 ppb
							1,3-Dichlorobenzene	12500 ppb
							1,3-Dinitrobenzene	12500 ppb
							1,4-Dichlorobenzene	12500 ppb
							1,4-Dioxane	12500 ppb
							1-Methylnaphthalene	12500 ppb
							2,2'-oxybis[1-chloropropane]	12500 ppb
							2,3,4,6-Tetrachlorophenol	12500 ppb
							2,4,5-Trichlorophenol	12500 ppb
							2,4,6-Trichlorophenol	12500 ppb
							2,4-Dichlorophenol	12500 ppb
							2,4-Dimethylphenol	12500 ppb
							2,4-Dinitrophenol	25000 ppb
							2,4-Dinitrotoluene	12500 ppb
							2,6-Dichlorophenol	12500 ppb
							2,6-Dinitrotoluene	12500 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	12500 ppb
							2-Chlorophenol	12500 ppb
							2-Methylnaphthalene	12500 ppb
							2-Methylphenol	12500 ppb
							2-Nitroaniline	12500 ppb
							2-Nitrophenol	12500 ppb
							3-Nitroaniline	12500 ppb
							4,6-Dinitro-2-methylphenol	25000 ppb
							4-Bromophenyl phenyl ether	12500 ppb
							4-Chloro-3-methylphenol	12500 ppb
							4-Chloroaniline	12500 ppb
							4-Chlorophenyl phenyl ether	12500 ppb
							4-Methylphenol	12500 ppb
							4-Nitroaniline	12500 ppb
							4-Nitrophenol	25000 ppb
							Acenaphthene	12500 ppb
							Acenaphthylene	12500 ppb
							Acetophenone	12500 ppb
							Aniline	12500 ppb
							Anthracene	12500 ppb
							Benzo[a]anthracene	12500 ppb
							Benzo[a]pyrene	12500 ppb
							Benzo[b]fluoranthene	12500 ppb
							Benzo[g,h,i]perylene	12500 ppb
							Benzo[k]fluoranthene	12500 ppb
							Benzyl alcohol	12500 ppb
							Bis(2-chloroethoxy)methane	12500 ppb
							Bis(2-chloroethyl)ether	12500 ppb
							Bis(2-ethylhexyl) phthalate	12500 ppb
							Butylbenzylphthalate	12500 ppb
							Carbazole	12500 ppb
							Chrysene	12500 ppb
							Di-n-butyl phthalate	12500 ppb
							Di-n-octyl phthalate	12500 ppb
							Dibenz(a,h)anthracene	12500 ppb
							Dibenzofuran	12500 ppb
							Diethylphthalate	12500 ppb
							Dimethylphthalate	12500 ppb
							Fluoranthene	12500 ppb
							Fluorene	12500 ppb
							Hexachlorobenzene	12500 ppb
							Hexachlorobutadiene	12500 ppb
							Hexachlorocyclopentadiene	12500 ppb
							Hexachloroethane	12500 ppb
							Hexadecane	12500 ppb
							Indeno[1,2,3-cd]pyrene	12500 ppb
							Isophorone	12500 ppb
							n-Decane	12500 ppb

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	12500 ppb
							N-Nitrosodimethylamine	12500 ppb
							N-Nitrosodiphenylamine	10625 ppb
							n-Octadecane	12500 ppb
							Naphthalene	12500 ppb
							Nitrobenzene	12500 ppb
							Pentachlorophenol	25000 ppb
							Phenanthrene	12500 ppb
							Phenol	12500 ppb
							Pyrene	12500 ppb
							Pyridine	25000 ppb
							3,3'-Dichlorobenzidine	25000 ppb
							Benzidine	25000 ppb
							Benzoic acid	12500 ppb
							Indene	12500 ppb
							1-Methylphenanthrene	12500 ppb
							2,3-Dichlorobenzenamine	12500 ppb
							Alpha Methyl Styrene	12500 ppb
							Alpha-Terpineol	12500 ppb
							Dimethylformamide	12500 ppb
							icosane	12500 ppb
							n-Docosane	12500 ppb
							n-Tetradecane	12500 ppb
							Octachlorostyrene	12500 ppb
							Phenyl ether	12500 ppb
.OP_LCS1_MS_00056	06/05/23	05/04/23	Acetone, Lot EF748-US	400 mL	OP_RES_LCS1_00011	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
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl phenyl ether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl phenyl ether	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butylbenzylphthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethylphthalate	50000 ppb
							Dimethylphthalate	50000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_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_00011	04/30/24		Restek, Lot A0190414		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00009	02/29/24		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_MINLCS1_MS_00168	06/05/23	05/25/23	ACETONE, Lot EF748-US	100 mL	OP_LCS1_MS_00056	25 mL	1,1'-Biphenyl	12500 ppb
							1,2,4,5-Tetrachlorobenzene	12500 ppb
							1,2,4-Trichlorobenzene	12500 ppb
							1,2-Dichlorobenzene	12500 ppb
							1,2-Diphenylhydrazine	12500 ppb
							1,3-Dichlorobenzene	12500 ppb
							1,3-Dinitrobenzene	12500 ppb
							1,4-Dichlorobenzene	12500 ppb
							1,4-Dioxane	12500 ppb
							1-Methylnaphthalene	12500 ppb
							2,2'-oxybis[1-chloropropane]	12500 ppb
							2,3,4,6-Tetrachlorophenol	12500 ppb
							2,4,5-Trichlorophenol	12500 ppb
							2,4,6-Trichlorophenol	12500 ppb
							2,4-Dichlorophenol	12500 ppb
							2,4-Dimethylphenol	12500 ppb
							2,4-Dinitrophenol	25000 ppb
							2,4-Dinitrotoluene	12500 ppb
							2,6-Dichlorophenol	12500 ppb
							2,6-Dinitrotoluene	12500 ppb
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	12500 ppb
							4-Chloro-3-methylphenol	12500 ppb
							4-Chloroaniline	12500 ppb
							4-Chlorophenyl phenyl ether	12500 ppb
							4-Methylphenol	12500 ppb
							4-Nitroaniline	12500 ppb
							4-Nitrophenol	25000 ppb
							Acenaphthene	12500 ppb
							Acenaphthylene	12500 ppb
							Acetophenone	12500 ppb
							Aniline	12500 ppb
							Anthracene	12500 ppb
							Benzo[a]anthracene	12500 ppb
							Benzo[a]pyrene	12500 ppb
							Benzo[b]fluoranthene	12500 ppb
							Benzo[g,h,i]perylene	12500 ppb
							Benzo[k]fluoranthene	12500 ppb
							Benzyl alcohol	12500 ppb
							Bis(2-chloroethoxy)methane	12500 ppb
							Bis(2-chloroethyl)ether	12500 ppb
							Bis(2-ethylhexyl) phthalate	12500 ppb
							Butylbenzylphthalate	12500 ppb
							Carbazole	12500 ppb
							Chrysene	12500 ppb
							Di-n-butyl phthalate	12500 ppb
							Di-n-octyl phthalate	12500 ppb
							Dibenz(a,h)anthracene	12500 ppb
							Dibenzofuran	12500 ppb
							Diethylphthalate	12500 ppb
							Dimethylphthalate	12500 ppb
							Fluoranthene	12500 ppb
							Fluorene	12500 ppb
							Hexachlorobenzene	12500 ppb
							Hexachlorobutadiene	12500 ppb
							Hexachlorocyclopentadiene	12500 ppb
							Hexachloroethane	12500 ppb
							Hexadecane	12500 ppb
							Indeno[1,2,3-cd]pyrene	12500 ppb
							Isophorone	12500 ppb
							n-Decane	12500 ppb
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00056	06/05/23	05/04/23	Acetone, Lot EF748-US	400 mL	OP_RES_LCS1_00011	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

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	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butylbenzylphthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethylphthalate	50000 ppb
							Dimethylphthalate	50000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_RES_LCS2_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_00011	04/30/24		Restek, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00009	02/29/24		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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indene	2000 ug/mL
..OP_RES_LCSadd_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_00095	06/14/23	05/13/23	ACETONE, Lot EF748-US	100 mL	OP_LCS 2_MS_00045	25 mL	Atrazine	12500 ppb
							Benzaldehyde	12500 ppb
							Caprolactam	12500 ppb
.OP_LCS 2_MS_00045	06/14/23	05/13/23	ACETONE, Lot EF748-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_MINLCS2_MS_00096	06/14/23	05/25/23	ACETONE, Lot EF748-US	100 mL	OP_LCS 2_MS_00045	25 mL	Atrazine	12500 ppb
							Benzaldehyde	12500 ppb
							Caprolactam	12500 ppb
.OP_LCS 2_MS_00045	06/14/23	05/13/23	ACETONE, Lot EF748-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_00092	06/05/23	05/13/23	ACETONE, Lot EF748-US	100 mL	OP_B(E)P_STK_00010	0.1 mL	Benzo[e]pyrene	1078 ppb
					OP_LCS1_MS_00056	2 mL	1,1'-Biphenyl	1000 ppb
							1,2,4,5-Tetrachlorobenzene	1000 ppb
							1,2,4-Trichlorobenzene	1000 ppb
							1,2-Dichlorobenzene	1000 ppb
							1,2-Diphenylhydrazine	1000 ppb
							1,3-Dichlorobenzene	1000 ppb
							1,3-Dinitrobenzene	1000 ppb
							1,4-Dichlorobenzene	1000 ppb
							1,4-Dioxane	1000 ppb
							1-Methylnaphthalene	1000 ppb
							2,2'-oxybis[1-chloropropane]	1000 ppb
							2,3,4,6-Tetrachlorophenol	1000 ppb
							2,4,5-Trichlorophenol	1000 ppb
							2,4,6-Trichlorophenol	1000 ppb
							2,4-Dichlorophenol	1000 ppb
							2,4-Dimethylphenol	1000 ppb
							2,4-Dinitrophenol	2000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	1000 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
							Hexachlorobutadiene	1000 ppb
							Hexachlorocyclopentadiene	1000 ppb
							Hexachloroethane	1000 ppb
							Hexadecane	1000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 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_00056	06/05/23	05/04/23	Acetone, Lot EF748-US	400 mL	OP_RES_LCS1_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl phenyl ether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl phenyl ether	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butylbenzylphthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethylphthalate	50000 ppb
							Dimethylphthalate	50000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_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_00011	04/30/24		Restek, Lot A0190414		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							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	02/29/24		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

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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. : 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		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane CAS # 123-91-1.SEC Purity 99%	(Lot KLE2K)	1,005.5 µg/mL	+/- 5.8596 µg/mL +/- 12.0264 µg/mL +/- 19.1335 µg/mL	Gravimetric Unstressed Stressed
2	N-Nitrosodimethylamine CAS # 62-75-9.SEC Purity 99%	(Lot 71L89)	1,008.0 µg/mL	+/- 5.8741 µg/mL +/- 12.0563 µg/mL +/- 19.1811 µg/mL	Gravimetric Unstressed Stressed
3	Pyridine CAS # 110-86-1.SEC Purity 99%	(Lot QN8DK)	2,001.5 µg/mL	+/- 11.6638 µg/mL +/- 23.9391 µg/mL +/- 38.0862 µg/mL	Gravimetric Unstressed Stressed
4	Phenol CAS # 108-95-2.SEC Purity 99%	(Lot EDPYN)	1,002.8 µg/mL	+/- 5.8435 µg/mL +/- 11.9935 µg/mL +/- 19.0811 µg/mL	Gravimetric Unstressed Stressed
5	Aniline CAS # 62-53-3.SEC Purity 99%	(Lot ZCD3N)	1,005.8 µg/mL	+/- 5.8610 µg/mL +/- 12.0294 µg/mL +/- 19.1382 µg/mL	Gravimetric Unstressed Stressed
6	Bis(2-chloroethyl)ether CAS # 111-44-4.SEC Purity 99%	(Lot FA010143)	1,005.8 µg/mL	+/- 5.8610 µg/mL +/- 12.0294 µg/mL +/- 19.1382 µg/mL	Gravimetric Unstressed Stressed
7	n-Decane (C10) CAS # 124-18-5.SEC Purity 99%	(Lot UCVNN)	1,004.3 µg/mL	+/- 5.8523 µg/mL +/- 12.0114 µg/mL +/- 19.1097 µg/mL	Gravimetric Unstressed Stressed

Reagent

MSS_8270_SURR_00004

Certificate of Analysis

EPA 8270 Surrogate Standard

Certified Reference Material

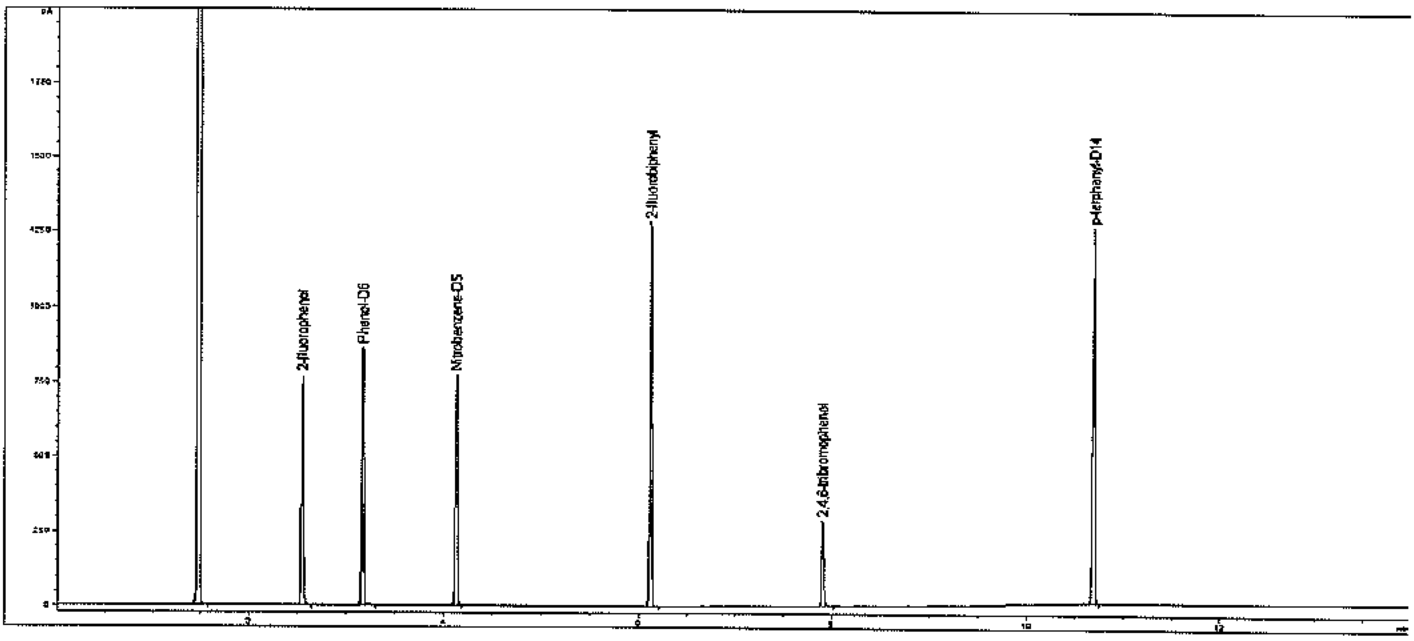
Description

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-27278/121 715	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®
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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

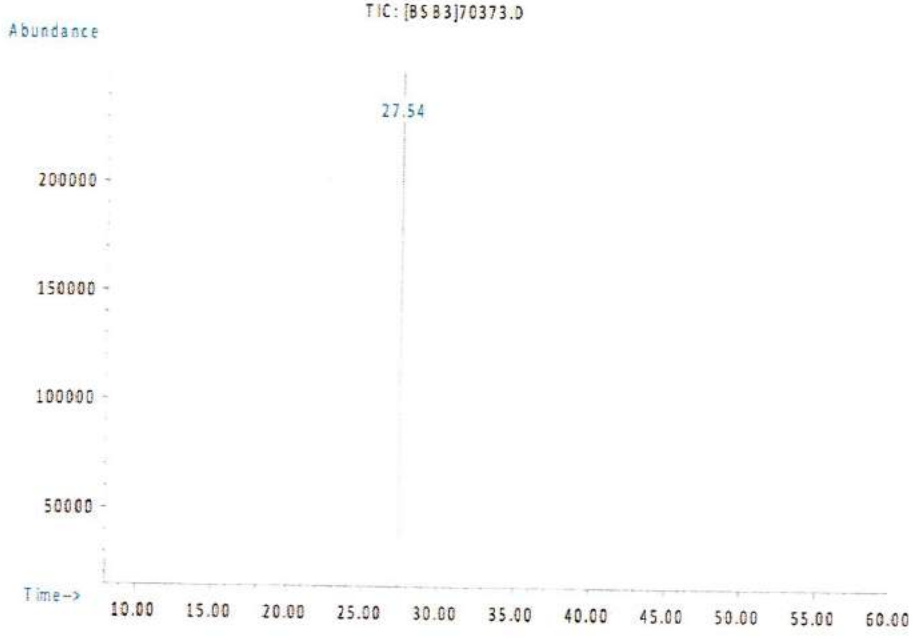
Solvent:	Lot#
Methanol	DV182-US

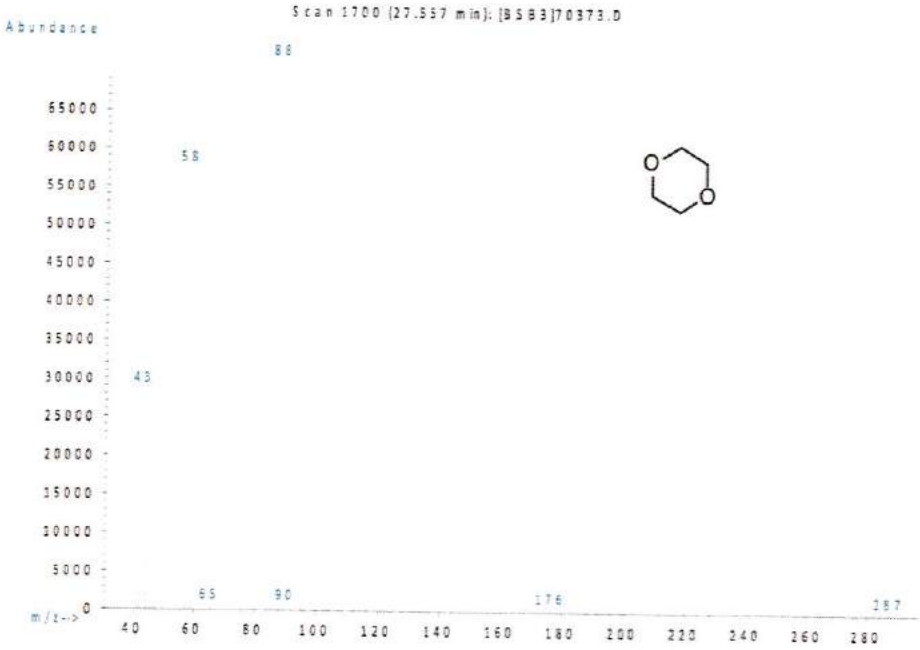
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 200.0 0.058 Flask Uncertainty

Formulated By:	Eli Aliaga	121619 DATE
Reviewed By:	Pedro L. Rentas	121619 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1,4-Dioxane	373	03853KE	1000	99	0.2	0.20201	0.20220	1000.9	4.1	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. Analysis performed by Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_24DNP_00007

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CERTIFIED WEIGHT REPORT

Part Number: 70159
Lot Number: 120920
Description: 2,4-Dinitrophenol

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

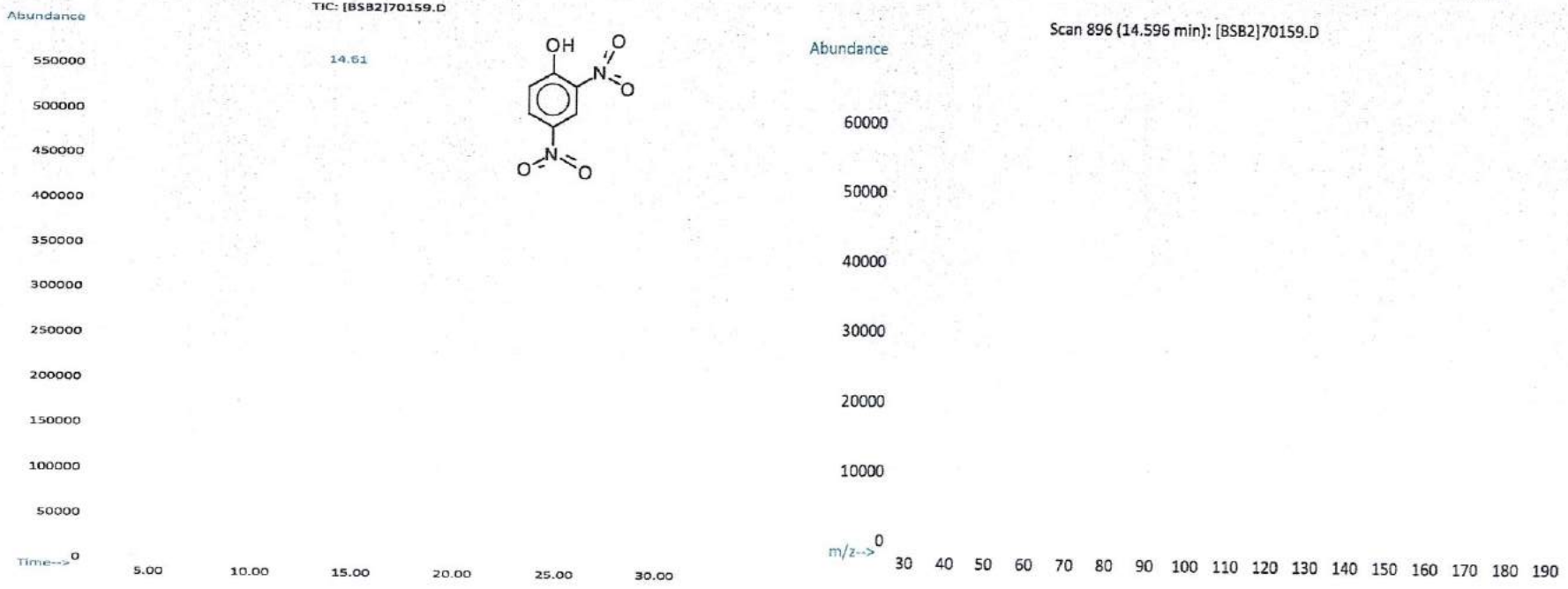
Solvent(s): Methanol **Lot#** DY186-US

5E-05 Balance Uncertainty
0.012 Flask Uncertainty

Formulated By:	Prashant Chauhan	120920 DATE
Reviewed By:	Pedro L. Rentas	120920 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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- 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

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CERTIFIED WEIGHT REPORT

Part Number: 70159
Lot Number: 120920
Description: 2,4-Dinitrophenol

Solvent(s): Methanol **Lot#** DY186-US

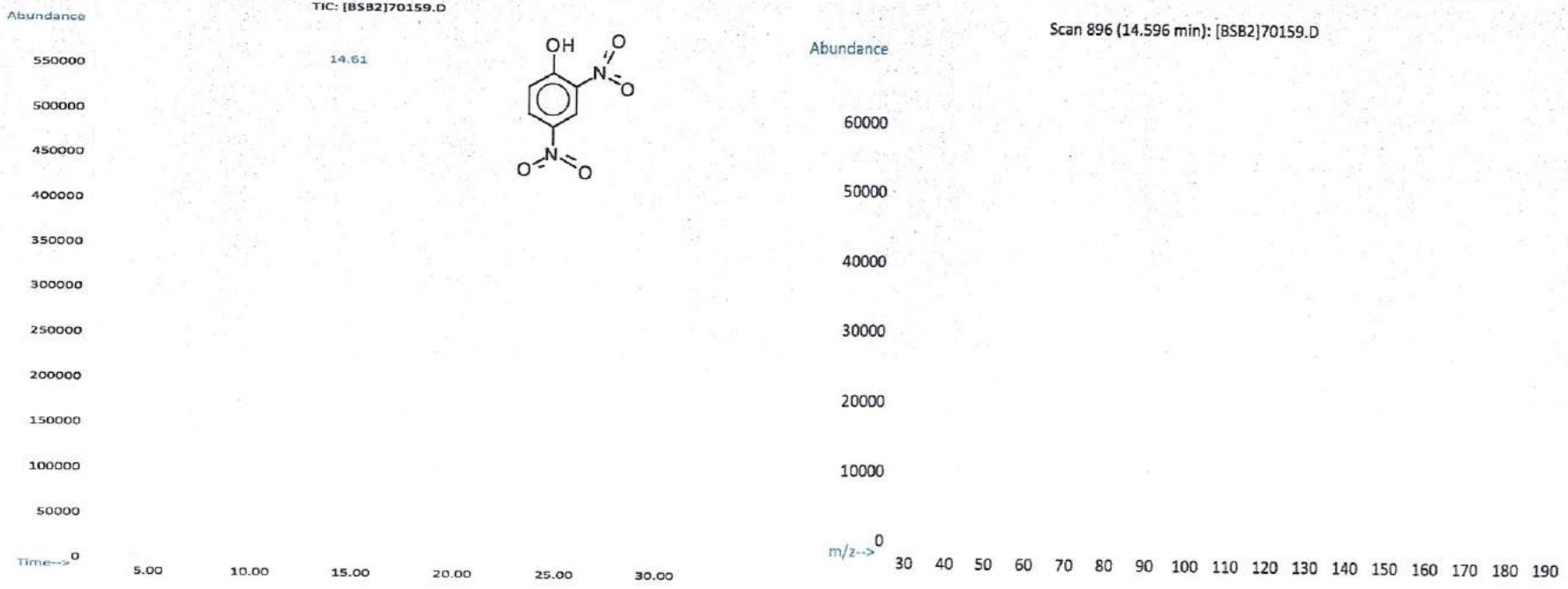
Expiration Date: 120925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By:	Prashant Chauhan	120920 DATE
Reviewed By:	Pedro L. Rentas	120920 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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- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_46D2MP_00004

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CERTIFIED WEIGHT REPORT

Part Number:	70158
Lot Number:	111919
Description:	4,6-Dinitro-2-methylphenol
Expiration Date:	111924
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

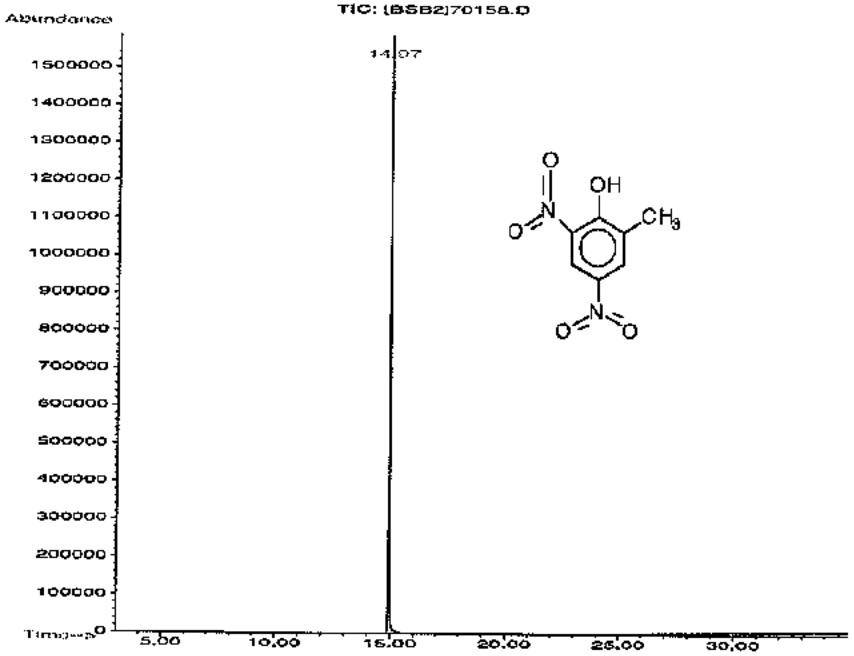
Solvent(s): **Lot#**
Methanol DV182-US

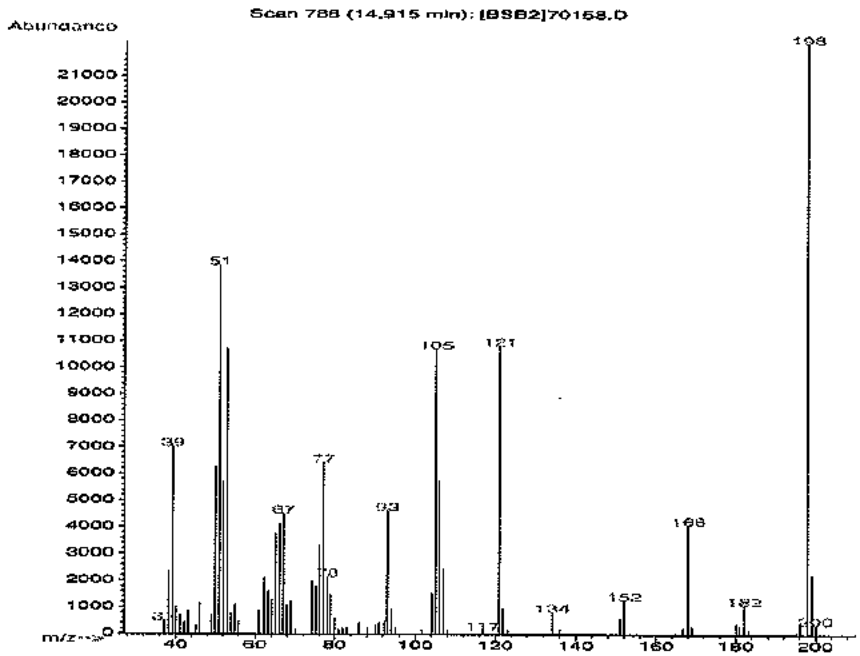
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.007 Flask Uncertainty

		111919
Formulated By:	Justin Dippold	DATE
		111919
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 4,6-Dinitro-2-methylphenol	158	052097	1000	98	0.2	0.05102	0.05110	1001.6	4.5	534-52-1	0.2mg/m3/6H (skin)	o/l-rat 10mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





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- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
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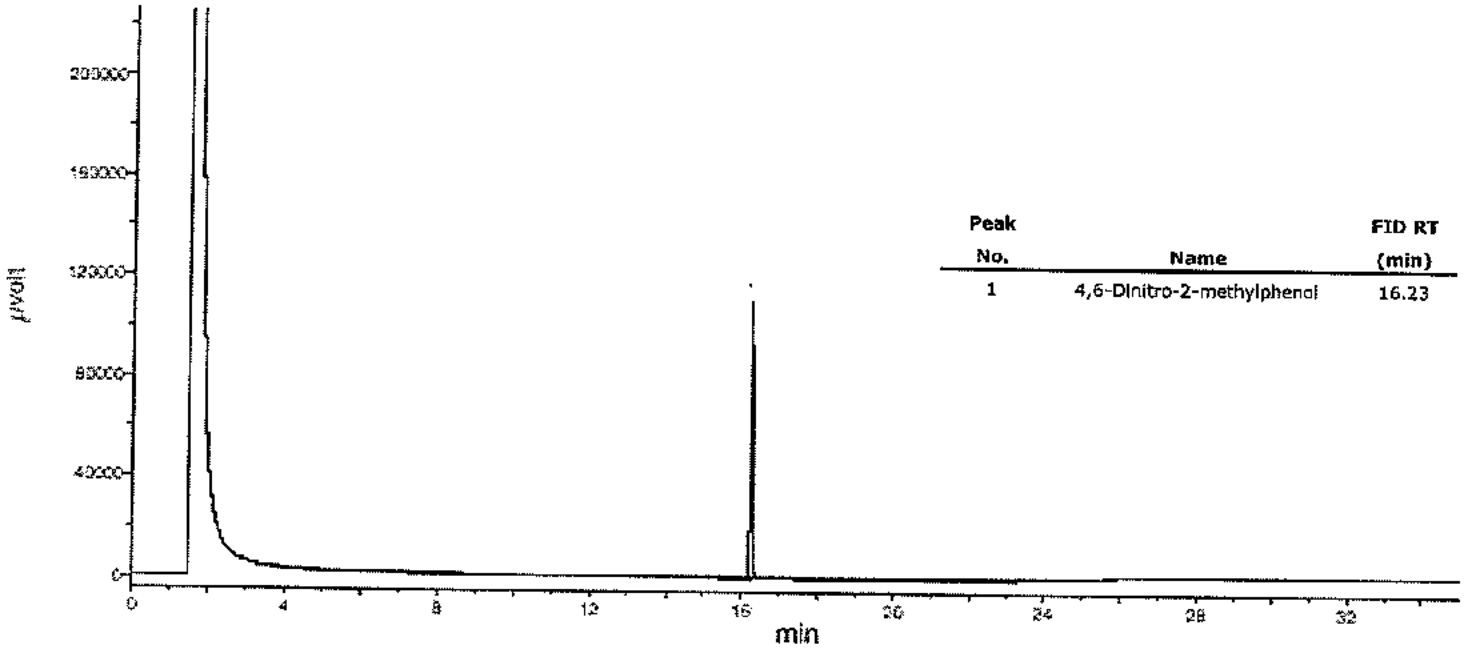
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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_46D2MP_00005

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Certified Reference Material CRM

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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

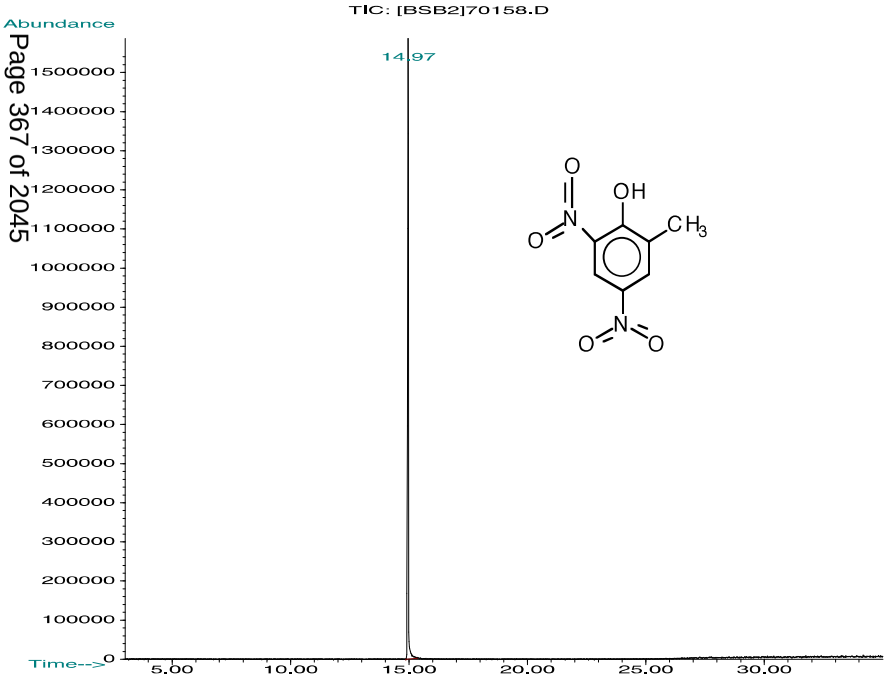
Weight(s) shown below were combined and diluted to (mL): 50.0 0.007 Flask Uncertainty

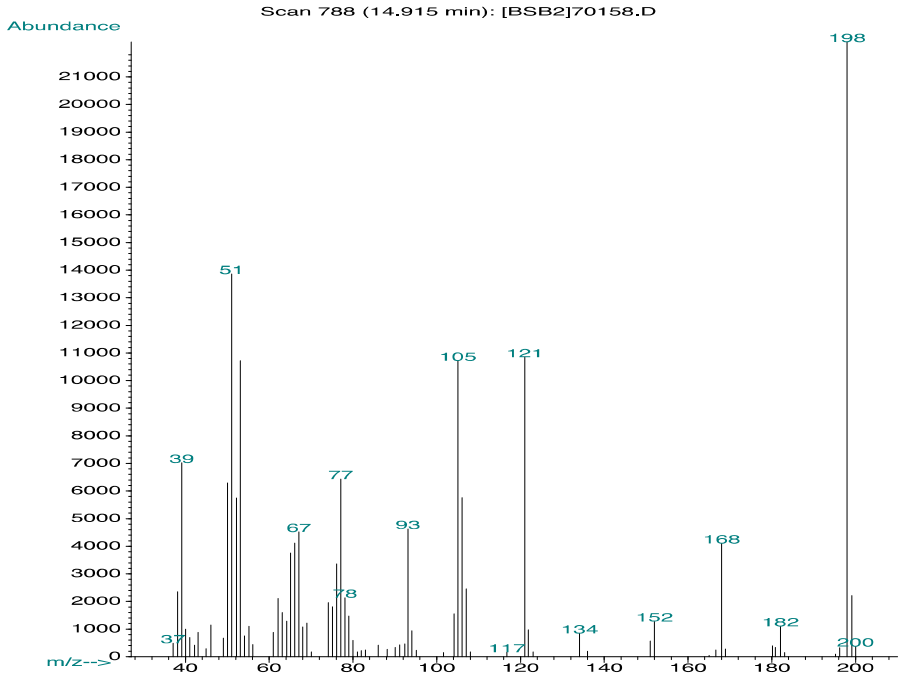
5E-05 Balance Uncertainty

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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- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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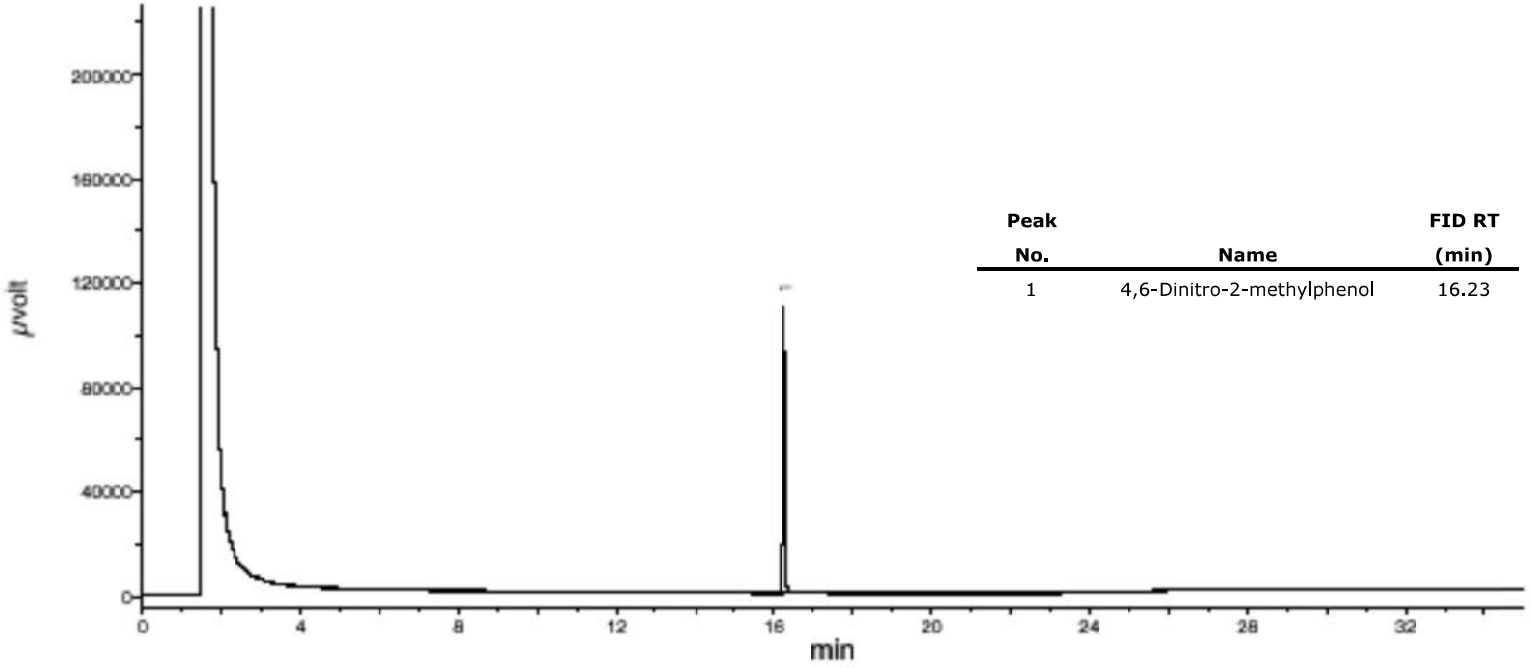
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 40, "P70158 L111919 [1000µg/mL in methanol]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Thu, Jan 9, 2020 at 3:51:34 PM.
Sampled: Sequence "010720-GC9M1", Method "GC9-M1".
Analyzed using Method "GC9-M1".

Comments

GC9-M1 Analysis by Melissa Stonier
Column ID Rtx-5 30 meter x 0.53mm x .5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 3



Peak No.	Name	FID RT (min)
1	4,6-Dinitro-2-methylphenol	16.23

Reagent

MSS_AB_4NP_00003

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Certified Reference Material CRM

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ISO 17025-34-35-43 Accredited
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CERTIFIED WEIGHT REPORT

Part Number: 70231
Lot Number: 072418
Description: 4-Nitrophenol

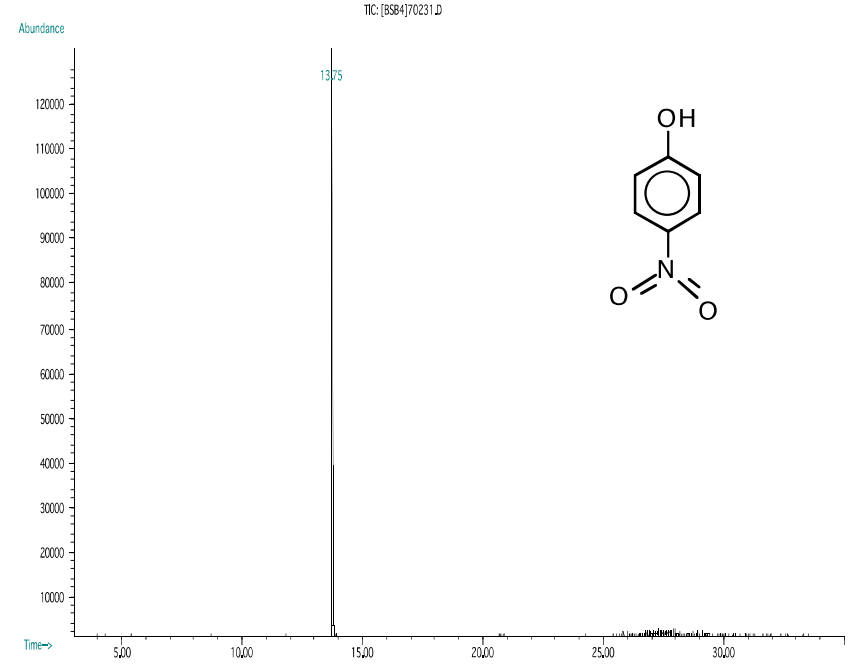
Solvent(s): Methanol **Lot#** DS526

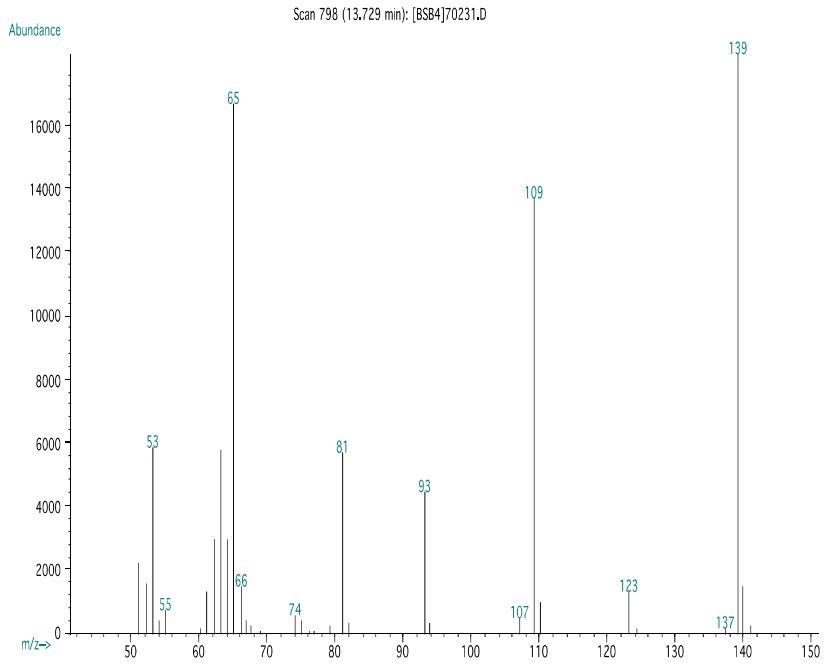
Expiration Date: 072423
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.001 Flask Uncertainty

Eli Aliaga	072418
Formulated By: Eli Aliaga	DATE
Pedro Rentas	072418
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-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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- 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_4NP_00005

CERTIFIED WEIGHT REPORT

Part Number: 70231
Lot Number: 072418
Description: 4-Nitrophenol

Solvent(s): Methanol **Lot#** DS526

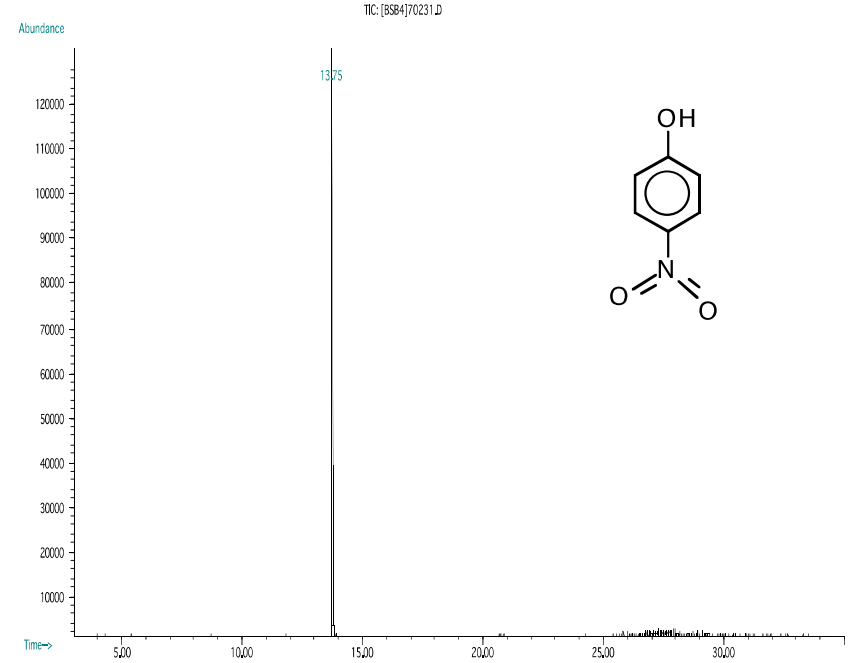
Expiration Date: 072423
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.001 Flask Uncertainty

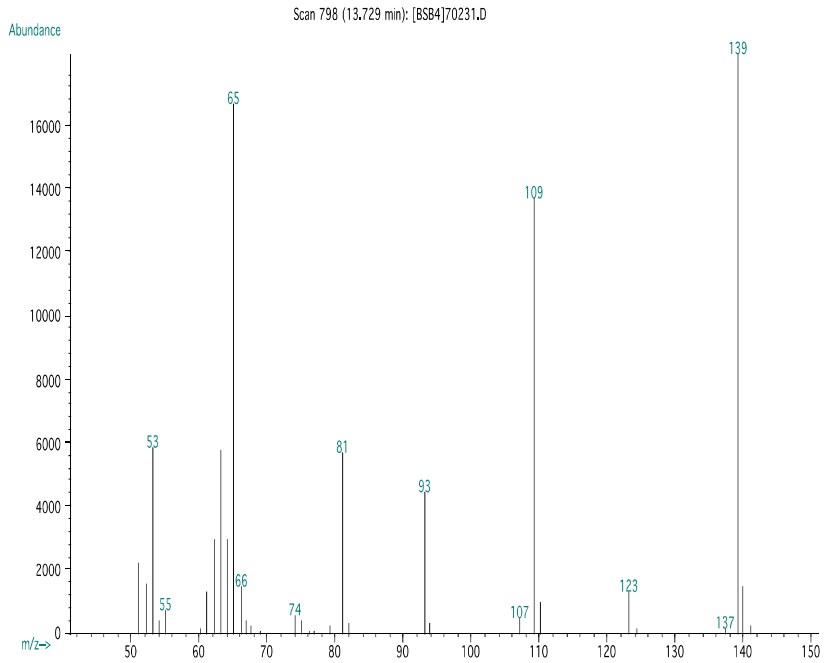
Formulated By: Eli Aliaga 072418 DATE

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

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CERTIFIED WEIGHT REPORT

Part Number: 70075
Lot Number: 032318
Description: bis(2-Chloroethyl) ether

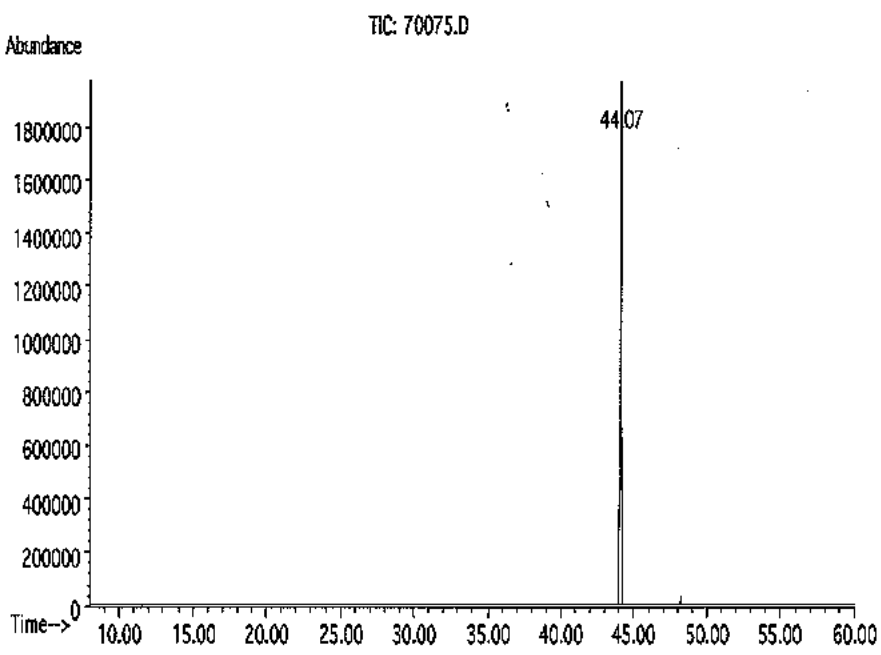
Solvent(s): Methanol **Lot#** DS435

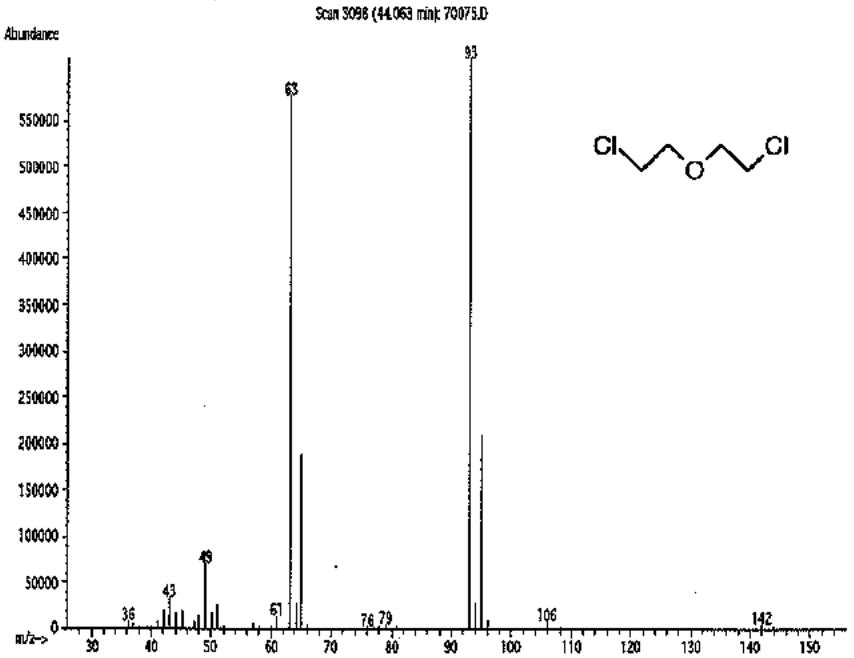
Expiration Date: 032323
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2506734D 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.007 Flask Uncertainty

		032318
Formulated By:	Mario Luis	DATE
		032318
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. bis(2-Chloroethyl) ether	75	98224AW	1000	99	0.2	0.05050	0.05063	1002.5	4.5	111-44-4	15 ppm (90mg/m3/6H)(skin)	orl-rat 75mg/kg

Method: GC6MSD1. **Detector:** MSD (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1=35°C (10 min.), Temp. 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=200°C. **Analyst:** Candice Warren.





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Reagent

MSS_AB_B2CEE_00007

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CERTIFIED WEIGHT REPORT

Part Number: 70075
Lot Number: 021022
Description: bis(2-Chloroethyl) ether

Solvent(s): Methanol **Lot#** EB373-US

Expiration Date: 021027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

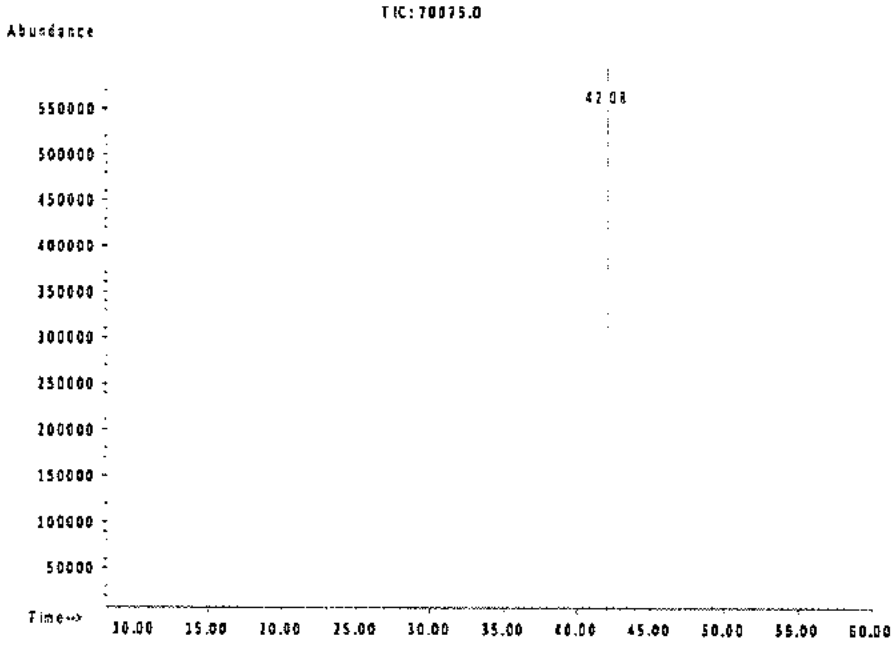
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

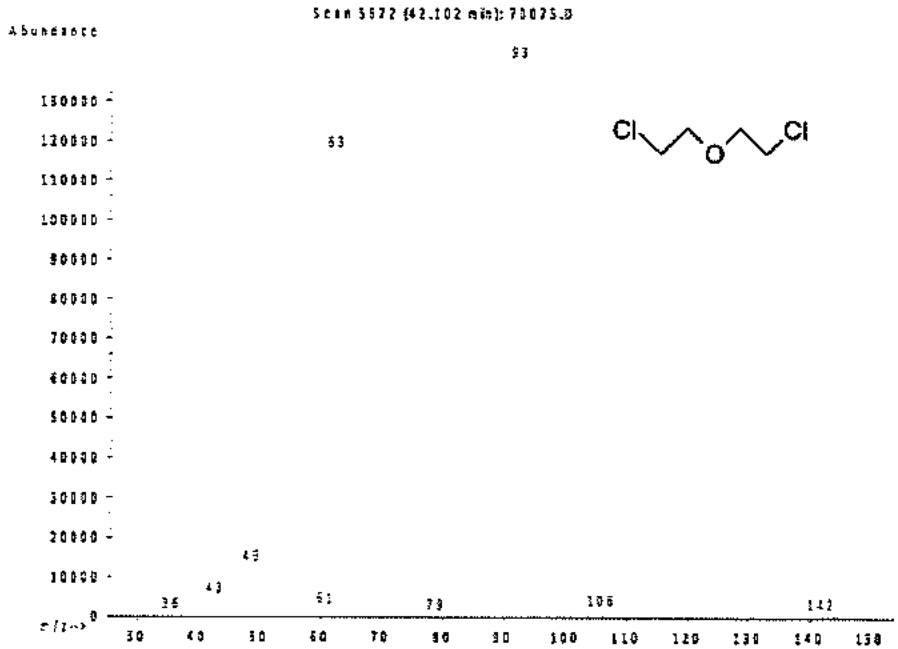
Weight(s) shown below were combined and diluted to (mL): 50.0

Formulated By: Prashant Chauhan	021022	DATE
Reviewed By: Pedro L. Rentas	021022	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. bis(2-Chloroethyl) ether	75	SHBJ2059	1000	99.8	0.2	0.05014	0.05024	1002.1	4.5	111-44-4	15 ppm (90mg/m3/8H)(skin)	ort-rat 75mg/kg

Method: GC16MSD1. **Detector:** MSD (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1=35°C (10 min.), Temp. 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=200°C. **Analyst:** Candice Warren.





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Reagent

MSS_AB_BZIDIN_00011

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CERTIFIED WEIGHT REPORT

Part Number: 43124
Lot Number: 102722
Description: Benzidine

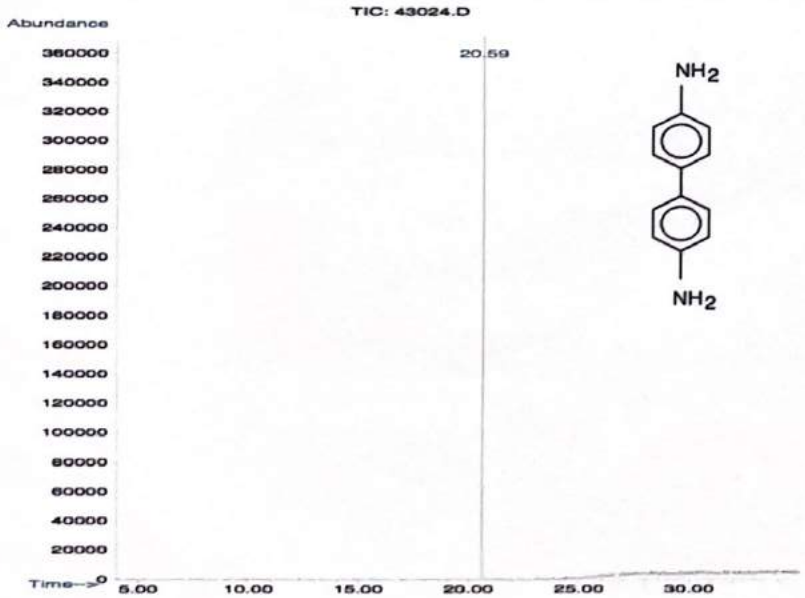
Solvent: Methylene chloride Lot# C21F09CAS0000DCM

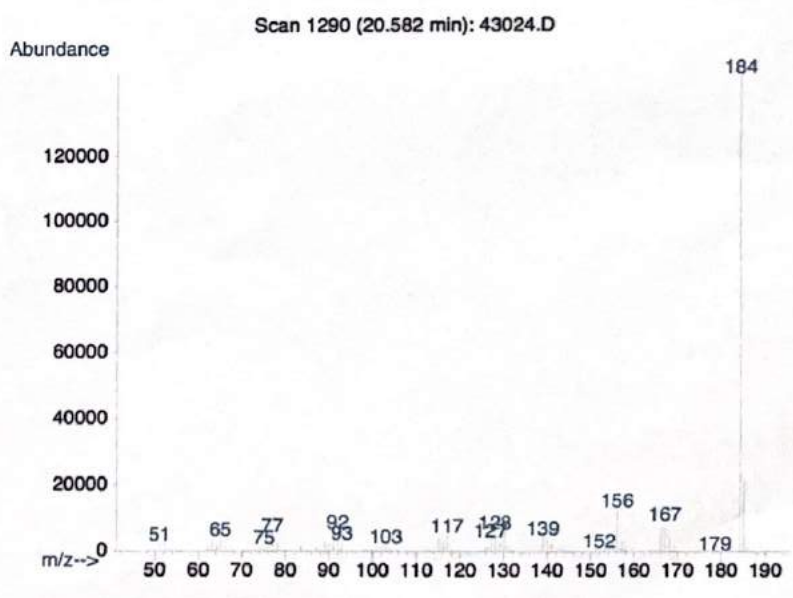
Expiration Date: 102725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

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

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CERTIFIED WEIGHT REPORT

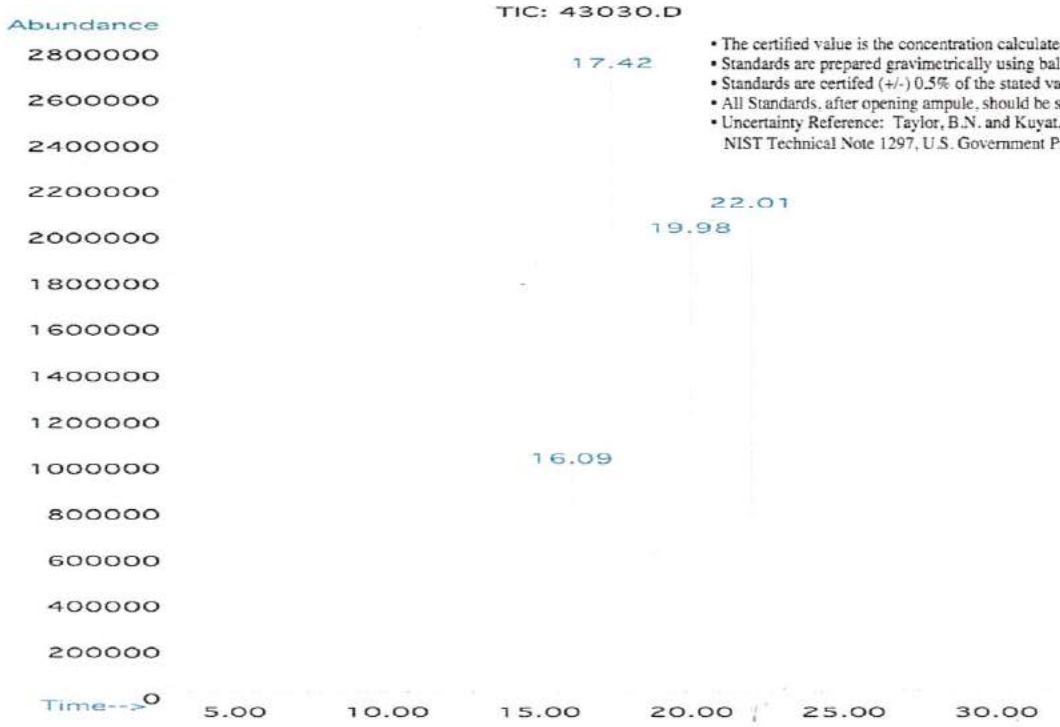
Part Number:	43030	**Solvent(s):**	**Lot#**	
Lot Number:	052421	Methylene chloride	105345	
Description:	CLP Semi-Volatile Tuning Standard			
	4 components			
Expiration Date:	052424			
Recommended Storage:	Refrigerate (4 °C)			
Nominal Concentration (µg/mL):	500			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	200.0	0.058	Flask Uncertainty	

Prashant Chauhan		052421
Formulated By:	Prashant Chauhan	DATE
Pedro L. Rentas		052421
Reviewed By:	Pedro L. Rentas	DATE

CAUTION: Sonicate Before Use

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Benzidine	27	SLBH5327V	500	98	0.2	0.10205	0.10225	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_DFTPP_00016

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CERTIFIED WEIGHT REPORT

Part Number: 43030
Lot Number: 072022
Description: CLP Semi-Volatile Tuning Standard
4 components
Expiration Date: 072025
~~Recommended Storage:~~ ~~Refrigerate (4 °C)~~
Nominal Concentration (µg/mL): 500
NIST Test ID#: 6UTB

Solvent(s): Methylene chloride **Lot#** 105345

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

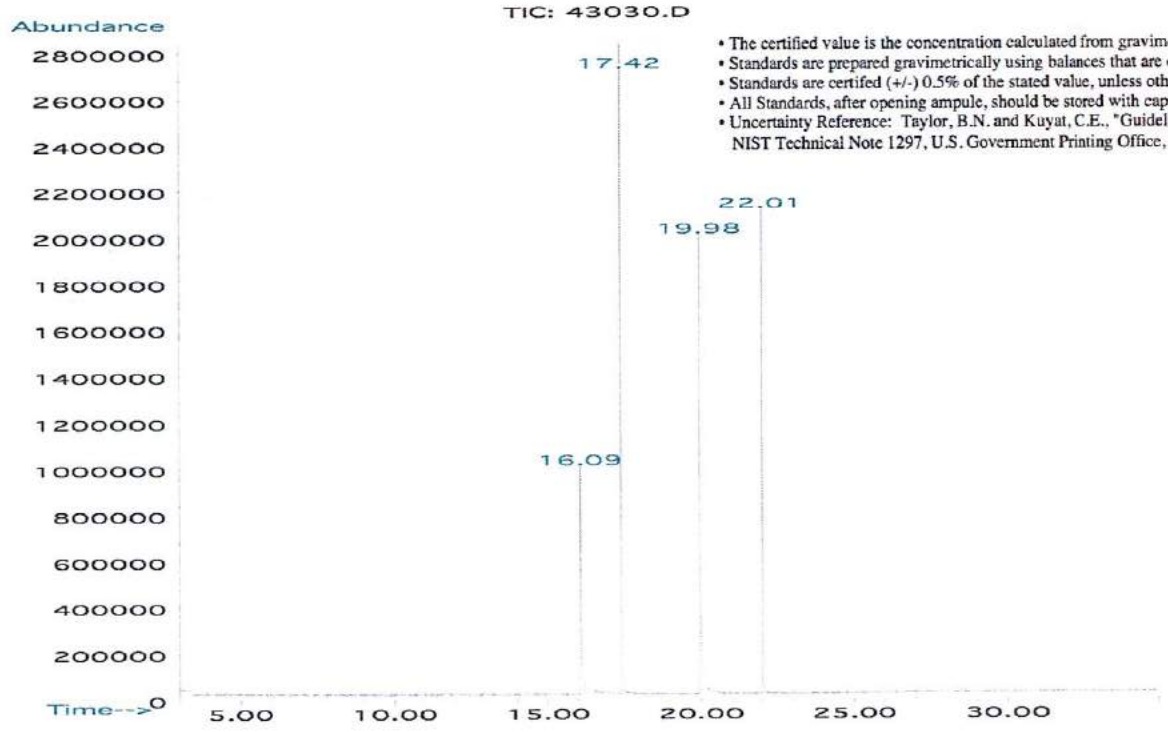
Weight(s) shown below were combined and diluted to (mL): 200.0

CAUTION: Sonicate Before Use

Formulated By:	Gabriel Helland	072022 DATE
Reviewed By:	Pedro L. Rentas	072022 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	500	98	0.2	0.10205	0.10215	500.5	2.1	92-87-5	N/A	orl-rat 309mg/kg
2. 4,4'-DDT	101	04029MM	500	99	0.2	0.10102	0.10106	500.2	2.1	50-29-3	N/A	orl-rat 87mg/kg
3. Decafluorotriphenylphosphine	105	10220909	500	97	0.2	0.10311	0.10327	500.8	2.1	5074-71-5	N/A	N/A
4. Pentachlorophenol	243	06324ED	500	98	0.2	0.10205	0.10222	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

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

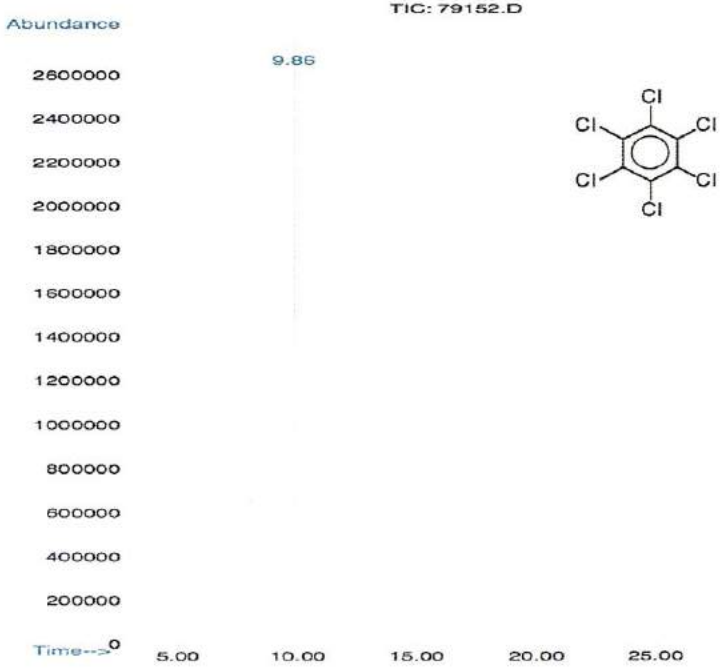
Solvent(s): **Lot#**
Methylene chloride 105345

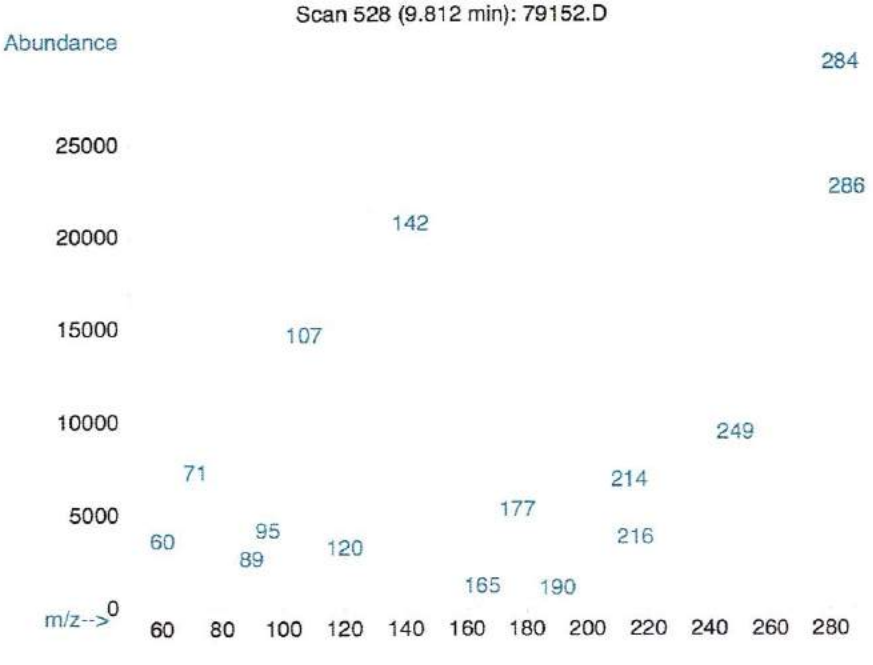
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Prashant Chauhan	062321
Formulated By:	DATE
Pedro L. Rentas	062321
Reviewed By:	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.





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Reagent

MSS_AB_HCB_00010

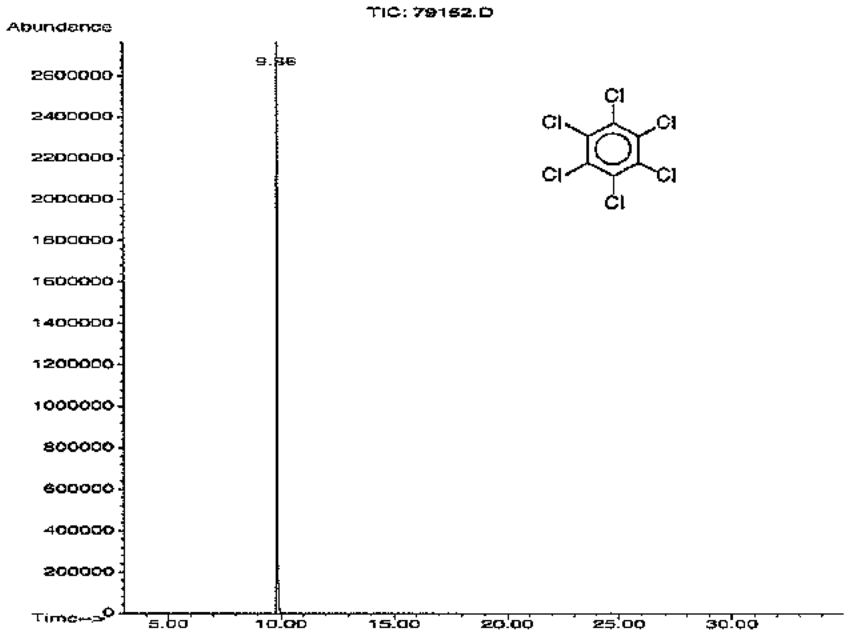
CERTIFIED WEIGHT REPORT

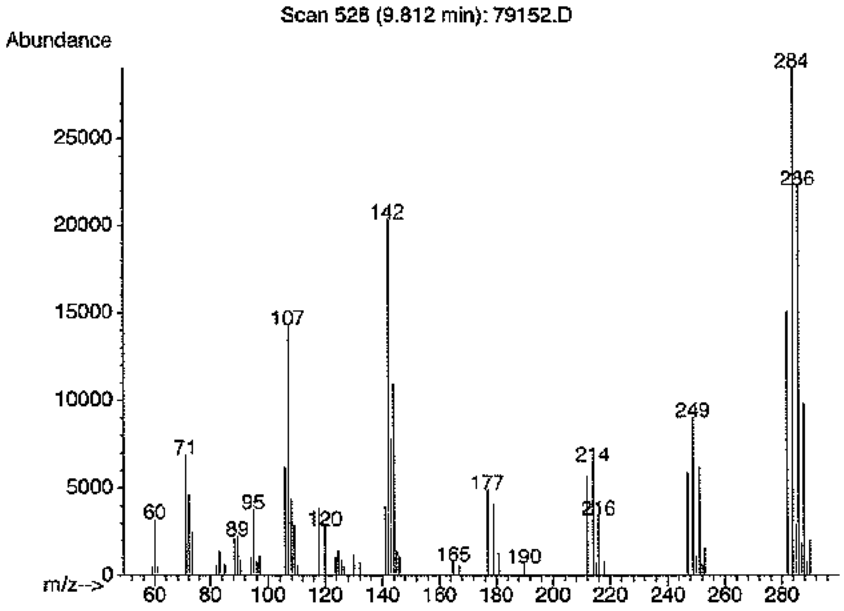
Part Number:	79152	**Solvent(s):**	**Lot#**
Lot Number:	060519	Methylene chloride	102968
Description:	Hexachlorobenzene		
Expiration Date:	060524		
Recommended Storage:	Refrigerate (4 °C)		
Nominal Concentration (µg/mL):	1000		
NIST Test ID#:	6UTB	5E-05 Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	30.0	0.002 Flask Uncertainty	

		060519
Formulated By:	Prashant Chauhan	DATE
		060519
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Hexachlorobenzene	195	051697	1000	99	0.2	0.03033	0.03050	1005.7	5.2	118-74-1	N/A	orl-rat 10g/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Nicole Davis.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_NITROS_00006

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 19222
Lot Number: 042320
Description: EPA Method 8070 - Nitrosamines
3 components
Expiration Date: 042323
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s):	Lot#
Methanol	DX932-US

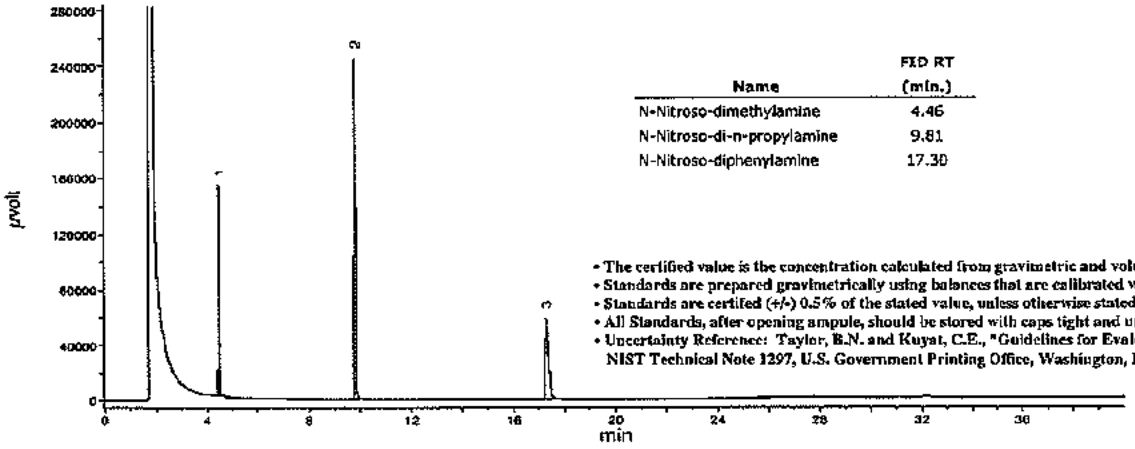
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.002 Flask Uncertainty

Formulated By: Mario Luis 042320 DATE

Reviewed By: Pedro L. Rentas 042320 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	N-Nitrosodimethylamine	233	101317	2000	98.5	0.2	0.05077	0.05080	2001.2	9.0	62-75-9	N/A	orl-rat 58mg/kg
2.	N-Nitrosodi-n-propylamine	232	OPAGF	2000	98	0.2	0.05103	0.05110	2002.8	9.1	621-64-7	N/A	orl-rat 480mg/kg
3.	N-Nitrosodiphenylamine	234	FGE01	2000	98	0.2	0.05103	0.05120	2006.7	9.1	86-30-6	N/A	orl-rat 2140mg/kg

Comments
GC4-M2 Analysis by Candice Warren
Column ID SPB-5 30 meter x 0.53mm x 0.5um Film Thickness.
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) =360 mLOven Temp 1 = 50°C (1 min).
Rate = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes. Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 4



Name	FID RT (min.)
N-Nitroso-dimethylamine	4.46
N-Nitroso-di-n-propylamine	9.81
N-Nitroso-diphenylamine	17.30

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_NITROS_00008

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number:	19222
Lot Number:	011623
Description:	EPA Method 8070 - Nitrosamines
	3 components
Expiration Date:	011626
Recommended Storage:	Freezer (0 °C)
Nominal Concentration (µg/mL):	2000
NIST Test ID#:	6UTB

Solvent(s): Lot#
Methanol EF282-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.0002 Flask Uncertainty

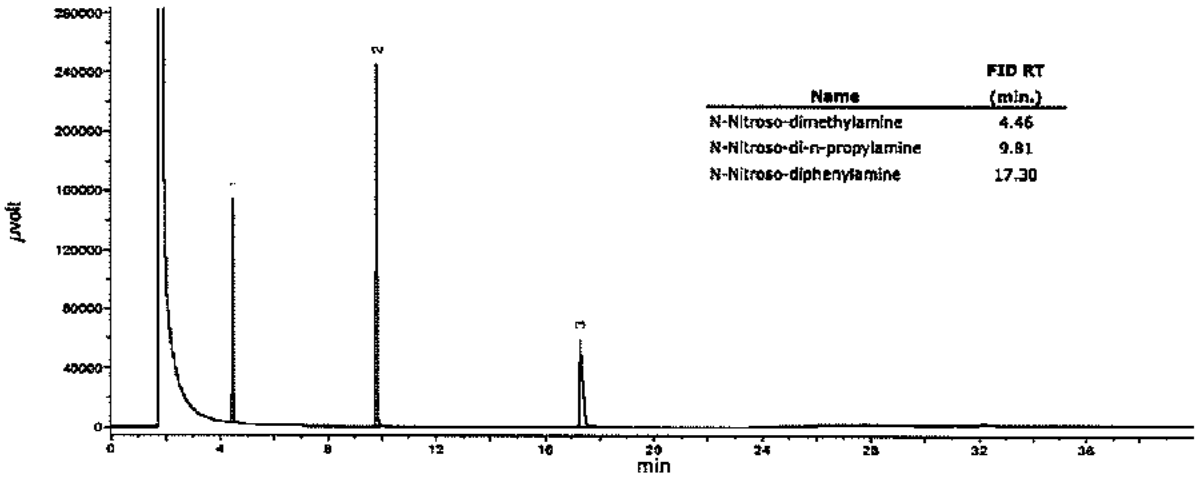
Formulated By: Benson Chan 011623 DATE

Reviewed By: Pedro L. Rentas 011623 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	13387600	2000	99.5	0.5	0.05034	0.05045	2004.4	20.5	62-75-9	N/A	orl-rat 27mg/kg
2. N-Nitrosodi-n-propylamine	232	OPAGF	2000	98	0.2	0.05111	0.05130	2007.5	9.1	621-64-7	N/A	orl-rat 480mg/kg
3. N-Nitrosodiphenylamine	234	FGE01	2000	98	0.2	0.05111	0.05126	2005.9	9.1	86-30-6	N/A	orl-rat 2140mg/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 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).

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

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

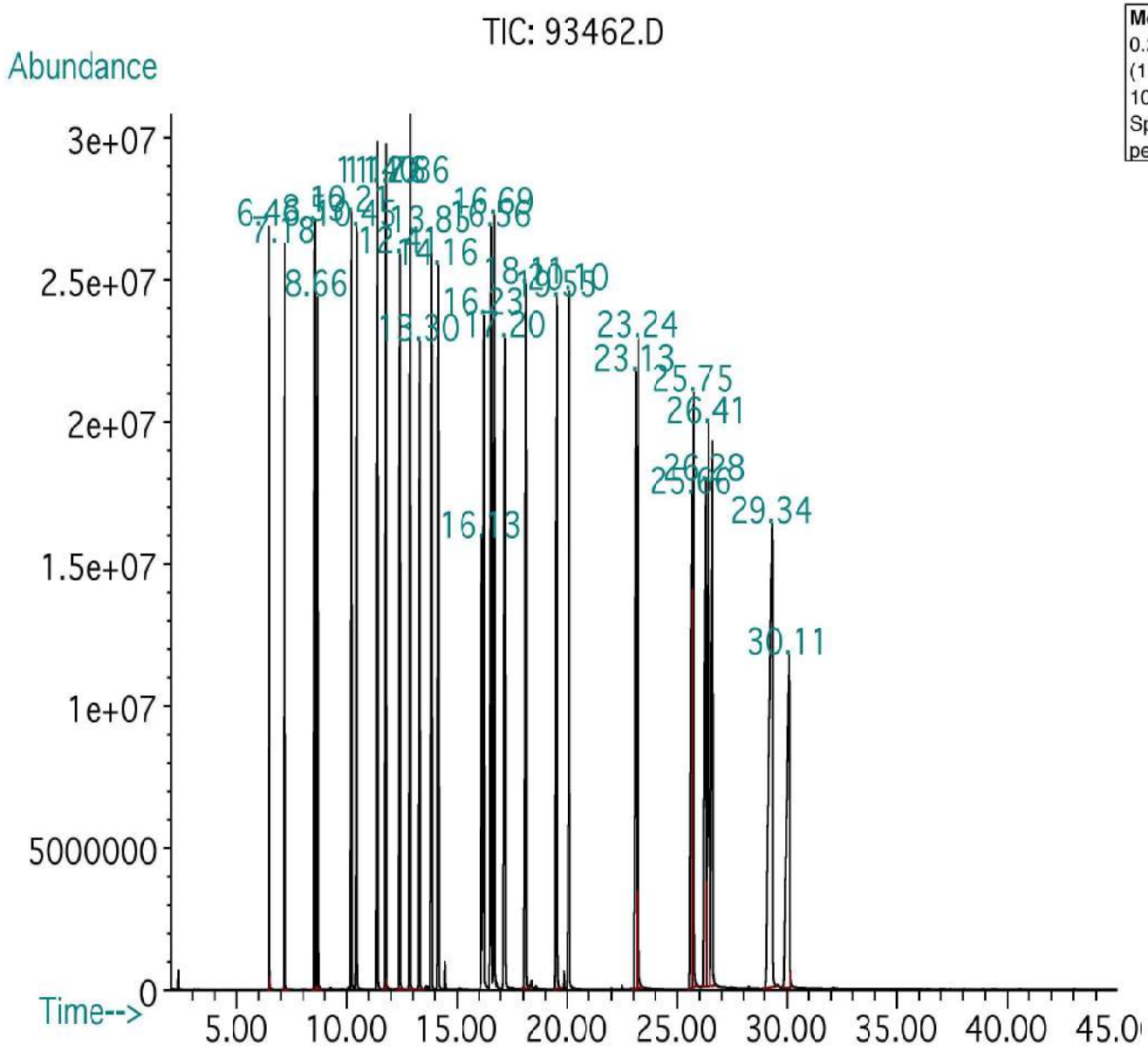
Solvent(s):	**Lot#**
Methylene chloride	76782

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.

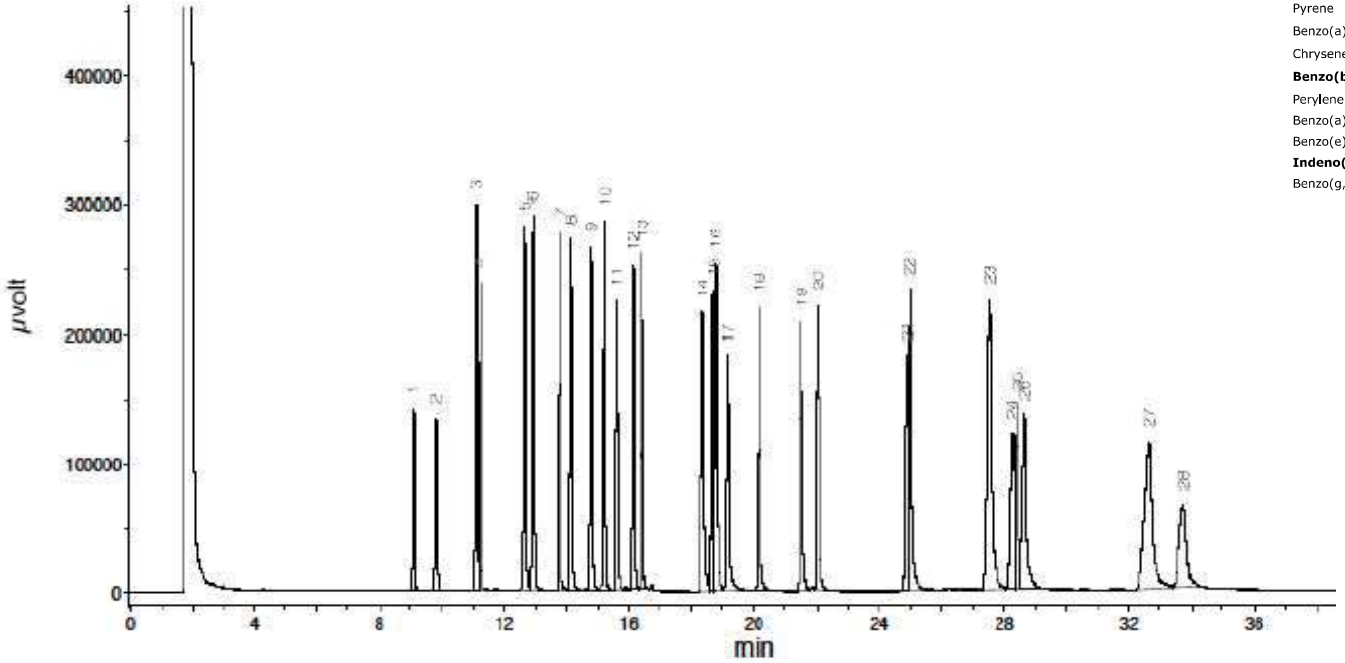
Retention Time (min.)	
Decahydronaphthalene (Decalin) (isomer)	6.46
Decahydronaphthalene (Decalin) (isomer)	7.18
Naphthalene	8.53
Thianaphthene	8.66
2-Methylnaphthalene	10.21
1-Methylnaphthalene	10.45
Biphenyl	11.4
2,6-Dimethylnaphthalene	11.76
Acenaphthylene	12.41
Acenaphthene	12.86
Dibenzofuran	13.3
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_PAHSTD_00012

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 93462
Lot Number: 072122
Description: PAH Standard
30 components
Expiration Date: 072127
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s): Methylene chloride **Lot#** 105345

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Volume(s) shown below were combined and diluted to (mL): 20.0

Gabriel Helland 072122
Formulated By: Gabriel Helland DATE

Pedro Rentas 072122
Reviewed By: Pedro L. Rentas DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	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	120621	0.50	10.00	0.042	2000.5	1000.0	9.3	83-32-9	N/A	ipr-rat 600mg/kg
2.	Acenaphthylene	10007	120621	0.50	10.00	0.042	2000.1	999.8	9.4	208-96-8	N/A	N/A
3.	Anthracene	10007	120621	0.50	10.00	0.042	2001.2	1000.4	9.4	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
4.	Benzo(a)anthracene	10007	120621	0.50	10.00	0.042	2001.2	1000.4	9.4	56-55-3	N/A	N/A
5.	Benzo(a)pyrene	10007	120621	0.50	10.00	0.042	2000.7	1000.1	9.3	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
6.	Benzo(b)fluoranthene	10007	120621	0.50	10.00	0.042	2001.0	1000.3	9.3	205-99-2	N/A	N/A
7.	Benzo(k)fluoranthene	10007	120621	0.50	10.00	0.042	2001.1	1000.3	9.3	207-08-9	N/A	N/A
8.	Benzo(g,h,i)perylene	10007	120621	0.50	10.00	0.042	2002.1	1000.8	9.4	191-24-2	N/A	N/A
9.	Carbazole	10007	120621	0.50	10.00	0.042	2000.8	1000.2	9.4	86-74-8	N/A	ipr-mus 200mg/kg
10.	Chrysene	10007	120621	0.50	10.00	0.042	2000.5	1000.0	9.4	218-01-9	0.2mg/m3	N/A
11.	Dibenzo(a,h)anthracene	10007	120621	0.50	10.00	0.042	2001.4	1000.5	9.4	53-70-3	0.2mg/m3	N/A
12.	Fluoranthene	10007	120621	0.50	10.00	0.042	2000.6	1000.1	9.4	206-44-0	N/A	orl-rat 2000mg/kg
13.	Fluorene	10007	120621	0.50	10.00	0.042	2001.7	1000.6	9.4	86-73-7	N/A	ipr-mus 2 g/kg
14.	Indeno(1,2,3-cd)pyrene	10007	120621	0.50	10.00	0.042	2003.3	1001.4	9.4	193-39-5	N/A	N/A
15.	Naphthalene	10007	120621	0.50	10.00	0.042	2002.5	1001.0	9.3	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
16.	Phenanthrene	10007	120621	0.50	10.00	0.042	2000.7	1000.1	9.3	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
17.	Pyrene	10007	120621	0.50	10.00	0.042	2000.8	1000.2	9.4	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg
18.	Benzo(e)pyrene	94851	081021	0.50	10.00	0.042	2002.1	1000.8	9.4	192-97-2	N/A	N/A
19.	Biphenyl	94851	081021	0.50	10.00	0.042	2001.5	1000.5	9.4	92-52-4	0.2 ppm(1mg/m3/8H)	orl-rat 2400mg/kg
20.	Decalin (49% cis, 51% trans)	94851	081021	0.50	10.00	0.042	2002.5	1001.0	9.4	91-17-8	N/A	N/A
21.	Dibenzofuran	94851	081021	0.50	10.00	0.042	2002.3	1000.9	9.4	132-64-9	N/A	N/A
22.	Dibenzothiophene	94851	081021	0.50	10.00	0.042	2002.5	1001.0	9.4	132-65-0	N/A	orl-mus 470 mg/kg
23.	2,6-Dimethylnaphthalene	94851	081021	0.50	10.00	0.042	2001.9	1000.7	9.4	581-42-0	N/A	N/A
24.	1-Methylnaphthalene	94851	081021	0.50	10.00	0.042	2002.2	1000.9	9.4	90-12-0	N/A	orl-rat 1840mg/kg
25.	2-Methylnaphthalene	94851	081021	0.50	10.00	0.042	2000.6	1000.1	9.4	91-57-6	N/A	orl-rat 1630mg/kg
26.	1-Methylphenanthrene	94851	081021	0.50	10.00	0.042	2002.3	1000.9	13.2	832-69-9	N/A	N/A
27.	Pentachlorophenol	94851	081021	0.50	10.00	0.042	3961.5	1980.3	18.6	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg
28.	Perylene	94851	081021	0.50	10.00	0.042	2001.9	1000.7	9.4	198-55-0	N/A	N/A
29.	Thianaphthene	94851	081021	0.50	10.00	0.042	2003.1	1001.3	9.4	95-15-8	N/A	N/A
30.	2,3,5-Trimethylnaphthalene	94851	081021	0.50	10.00	0.042	2003.1	1001.3	9.5	2245-38-7	N/A	N/A

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- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_PCP_00004

CERTIFIED WEIGHT REPORT

Part Number: 79261
Lot Number: 062222
Description: Pentachlorophenol

Expiration Date: 062227
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Acetone 81025

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

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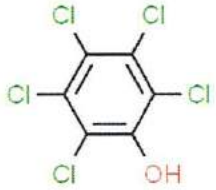
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory 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).

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

Reagent

MSS_AB_PCP_00005

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	

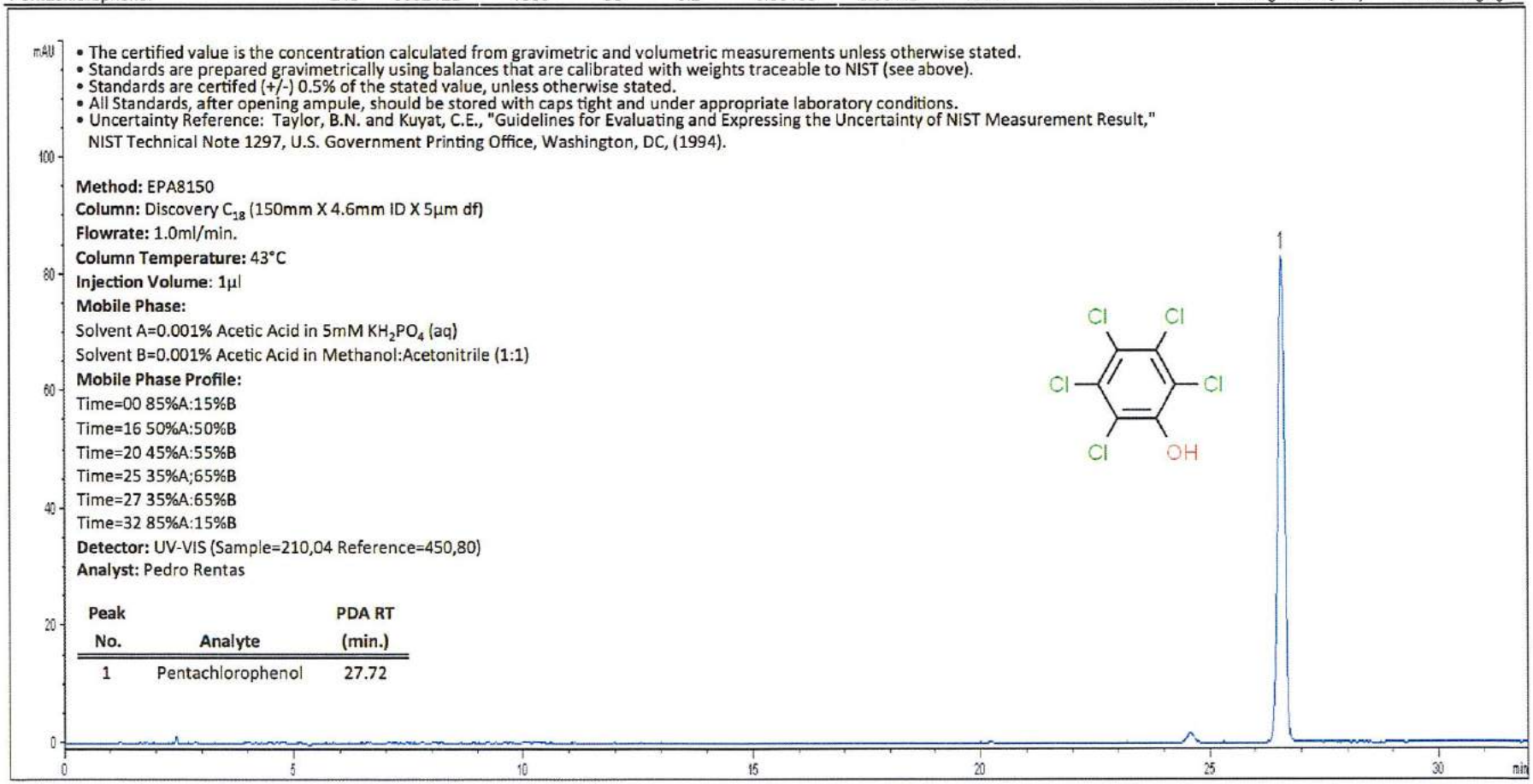
	062222	
Formulated By:	Benson Chan	DATE
	062222	
Reviewed By:	Pedro L. Rentas	DATE

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.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method: EPA8150
Column: Discovery C_{18} (150mm X 4.6mm ID X 5µm df)
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



Reagent

MSS_AB_PHTHAL_00008

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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

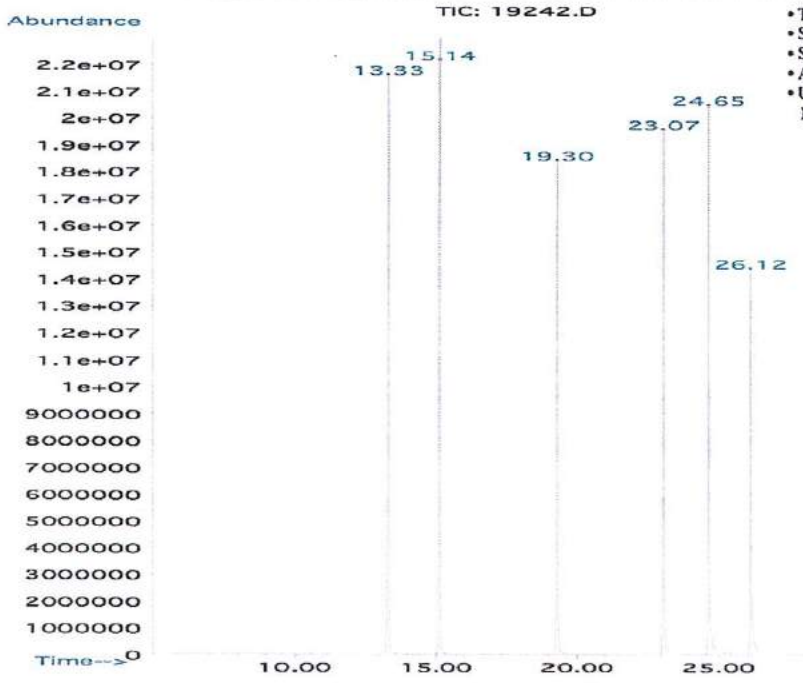
Solvent(s): Methanol **Lot#** DY186-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.000 Flask Uncertainty

		061821
Formulated By:	Benson Chan	DATE
		061821
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-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

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https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70353
Lot Number: 061820
Description: Quinoline

Expiration Date: 061823
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

Weight(s) shown below were combined and diluted to (mL): 100.0

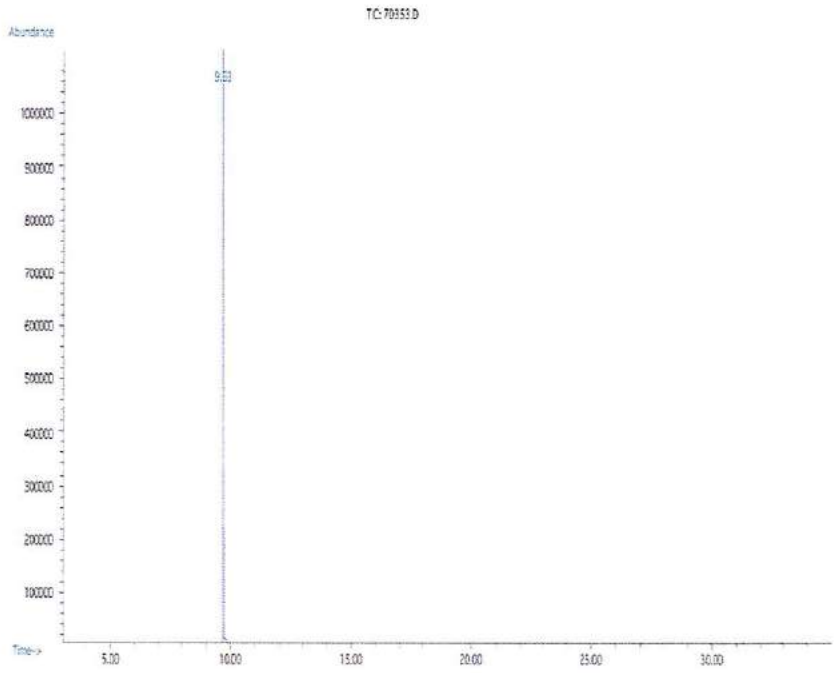
Solvent(s):	Lot#
Methylene chloride	104929

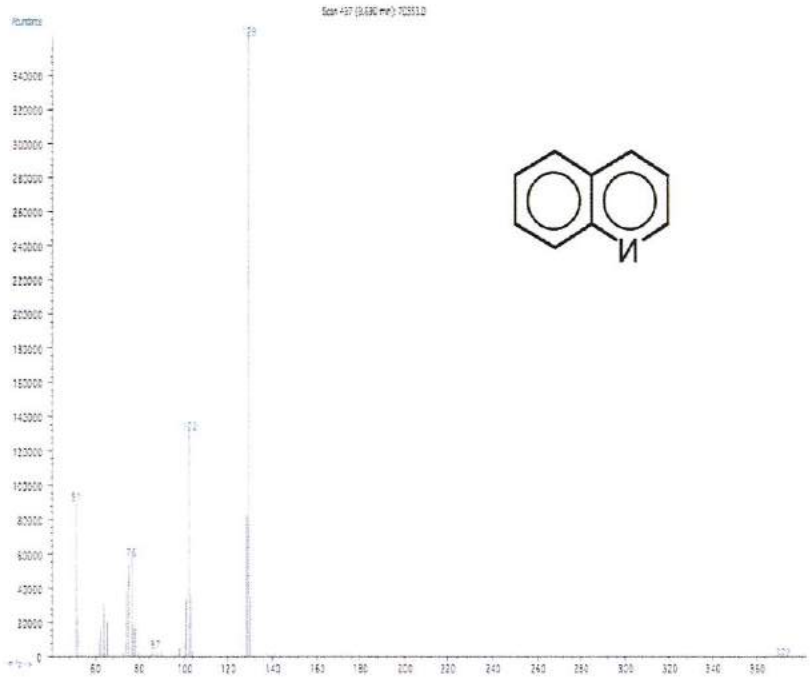
5E-05 Balance Uncertainty
0.003 Flask Uncertainty

Formulated By:	Prashant Chauhan	061820 DATE
Reviewed By:	Pedro L. Rentas	061820 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Quinoline	353	01501KY	1000	98	0.2	0.10205	0.10215	1001.0	4.2	91-22-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





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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).

Reagent

MSS_AB_QUIN_00009

Absolute Standards, Inc.
800-368-1131
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70353
Lot Number: 011722
Description: Quinoline

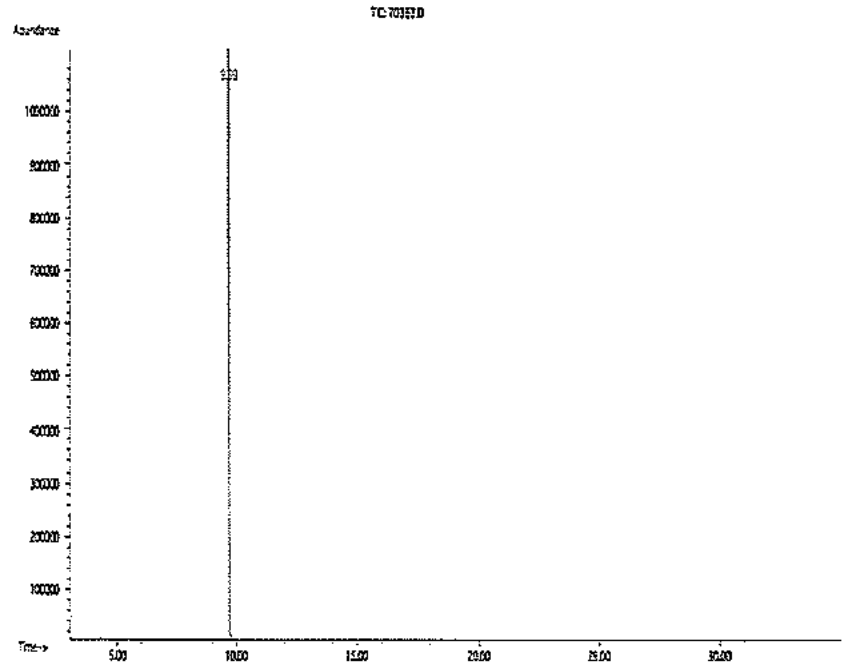
Solvent(s): Methylene chloride **Lot#** 105345

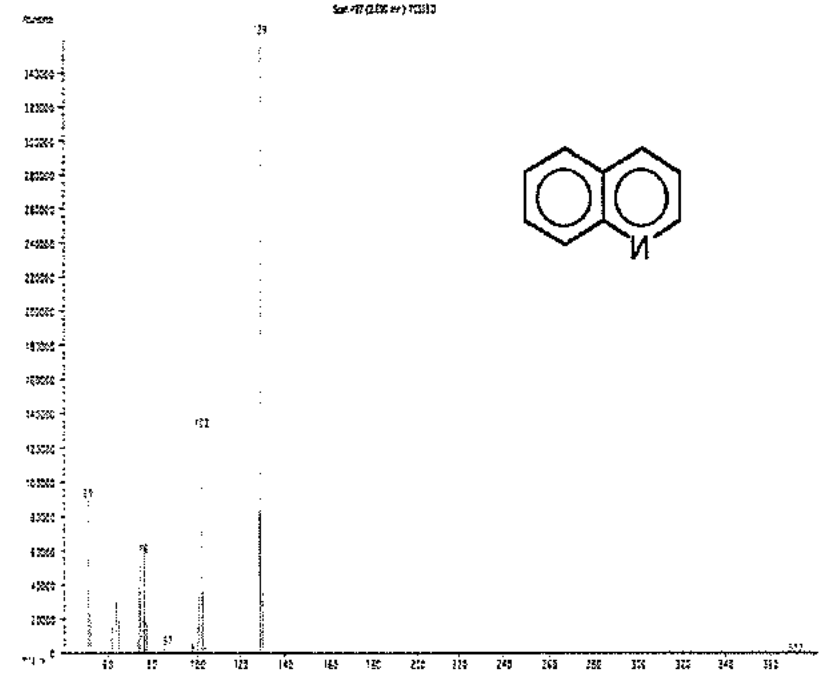
Expiration Date: 011725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.003 Flask Uncertainty

Formulated By:	Benson Chan	011722 DATE
Reviewed By:	Pedro L. Rentas	011722 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	0.10250	1004.4	4.2	91-22-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





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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).

Reagent

MSS_CS_2BXE_00001

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info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

2-Butoxyethanol

CATALOG NUMBER	N-10301-500MG
LOT NUMBER	13350800
DATE CERTIFIED	03/05/21
EXPIRATION DATE	03/31/26
CAS NUMBER	111-76-2
MOLECULAR FORMULA	C6H14O2
MOLECULAR WEIGHT	118.17
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
PHYSICAL APPEARANCE	COLORLESS LIQUID
% WATER (ELEMENTAL ANALYSIS)	1.0
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
GC/MS SPECTRA ID	MATCHES NIST DATABASE
% PURITY	97.9

Reagent

MSS_FV8270_IS_00005

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Bellefonte, PA 16823-8812
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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)

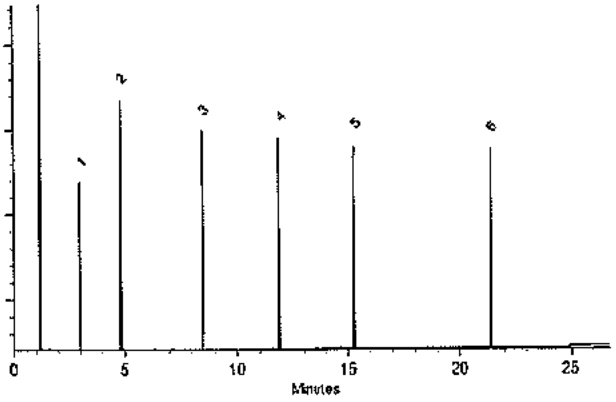
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

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

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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.

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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)

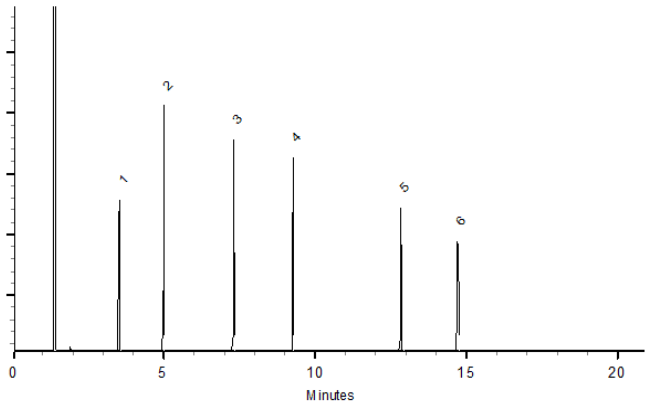
Carrier Gas:
hydrogen-constant pressure 10 psi.

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
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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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
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Reference Material Producer
Certificate #3222.09

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. : 31206 **Lot No.:** A0173418

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 : May 31, 2027 **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 **CAS #** 3855-82-1 **Purity** 99%	(Lot PR-30447)	2,006.9 µg/mL	+/- 11.6681 +/- 90.3905 +/- 100.2994	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Naphthalene-d8 **CAS #** 1146-65-2 **Purity** 99%	(Lot M-1452)	2,019.0 µg/mL	+/- 11.7386 +/- 90.9370 +/- 100.9058	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Acenaphthene-d10 **CAS #** 15067-26-2 **Purity** 99%	(Lot PR-30913)	2,012.9 µg/mL	+/- 11.7034 +/- 90.6637 +/- 100.6026	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Phenanthrene-d10 **CAS #** 1517-22-2 **Purity** 99%	(Lot PR-29119)	2,018.4 µg/mL	+/- 11.7352 +/- 90.9099 +/- 100.8758	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Chrysene-d12 **CAS #** 1719-03-5 **Purity** 99%	(Lot PR-31391)	2,015.9 µg/mL	+/- 11.7208 +/- 90.7988 +/- 100.7525	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Perylene-d12 **CAS #** 1520-96-3 **Purity** 99%	(Lot PR-30020)	2,016.9 µg/mL	+/- 11.7266 +/- 90.8439 +/- 100.8025	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Reagent

MSV_4BFB_NEAT_00007

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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
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)

Print Date: 05/16/22

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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_ACROLEIN_00021

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CERTIFICATE OF ANALYSIS

Acrolein

CATALOG NUMBER	RPN-11030-1G
LOT NUMBER	12926800
DATE CERTIFIED	02/03/22
EXPIRATION DATE	02/28/23
CAS NUMBER	107-02-8
MOLECULAR FORMULA	C3H4O
MOLECULAR WEIGHT	56.06
STORAGE	Refrigerator storage (2 - 8 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.
NOTES	Contains water and hydroquinone as an inhibitor.

Analytical Test	Value
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
% PURITY (GC/TCD)	93.2
% WATER (KARL FISCHER)	2.2

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

PJLA Testing

PJLA Reference Material Producer

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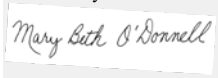
Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:



Mary Beth O'Donnell
CSM/TC

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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0222\SIG2022990.D

Sample name: Acrolein

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	2/3/2022 2:54:32 PM	**Location:**	Vial 1
Acq. method:	GASBOMB_TCD.M	**Injection volume:**	1.0uL
Column name:	DB-624 (30m x 0.53mm x 3.0um)		

Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
2.600	BB	0.0362	14.5715	6.2387	4.5336
2.902	BB	0.0314	7.2404	3.5582	2.2527
4.046	BB	0.0349	299.5987	134.6697	93.2137
		Sum	321.4106		

Reagent

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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. : 577488 **Lot No.:** A0184815

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : May 31, 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	Dichlorodifluoromethane (CFC-12)	2,008.5 µg/mL	+/- 16.4522 µg/mL	Gravimetric
	CAS # 75-71-8 (Lot 00012554)		+/- 113.2099 µg/mL	Unstressed
	Purity 99%		+/- 115.8314 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,017.9 µg/mL	+/- 17.1593 µg/mL	Gravimetric
	CAS # 74-87-3 (Lot SHBK6571)		+/- 113.8303 µg/mL	Unstressed
	Purity 99%		+/- 116.4619 µg/mL	Stressed
3	Vinyl chloride	2,023.8 µg/mL	+/- 20.0801 µg/mL	Gravimetric
	CAS # 75-01-4 (Lot 00015559)		+/- 114.6342 µg/mL	Unstressed
	Purity 99%		+/- 117.2631 µg/mL	Stressed
4	1,3-Butadiene	2,021.2 µg/mL	+/- 16.5562 µg/mL	Gravimetric
	CAS # 106-99-0 (Lot 00019375)		+/- 113.9252 µg/mL	Unstressed
	Purity 99%		+/- 116.5633 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,003.9 µg/mL	+/- 16.6513 µg/mL	Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/- 112.9858 µg/mL	Unstressed
	Purity 99%		+/- 115.6006 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,024.9 µg/mL	+/- 16.7845 µg/mL	Gravimetric
	CAS # 75-00-3 (Lot 107-401039114-1)		+/- 114.1621 µg/mL	Unstressed
	Purity 99%		+/- 116.8044 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 11.6550 µg/mL	Gravimetric
	CAS # 75-43-4 (Lot 12841600)		+/- 112.1408 µg/mL	Unstressed
	Purity 99%		+/- 114.7646 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,015.0	µg/mL	+/-	11.7425	µg/mL	Gravimetric
	CAS # 75-69-4	(Lot MKCL8411)			+/-	112.9819	µg/mL	Unstressed
	Purity 99%				+/-	115.6254	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,002.3	µg/mL	+/-	20.4087	µg/mL	Gravimetric
	CAS # 354-23-4	(Lot Q9B-64)			+/-	113.5126	µg/mL	Unstressed
	Purity 99%				+/-	116.1114	µg/mL	Stressed

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

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

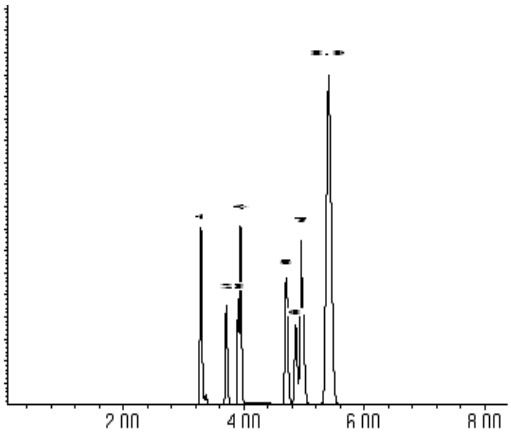
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Miranda Kline - Operations Technician I

Date Mixed: 03-May-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 09-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%.

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- 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_CYC_00007

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CERTIFICATE OF ANALYSIS

Cyclohexanone

CATALOG NUMBER	N-11531-1G
LOT NUMBER	12628400
DATE CERTIFIED	05/15/18
EXPIRATION DATE	05/31/23
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

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)

Print Date: 11/17/21

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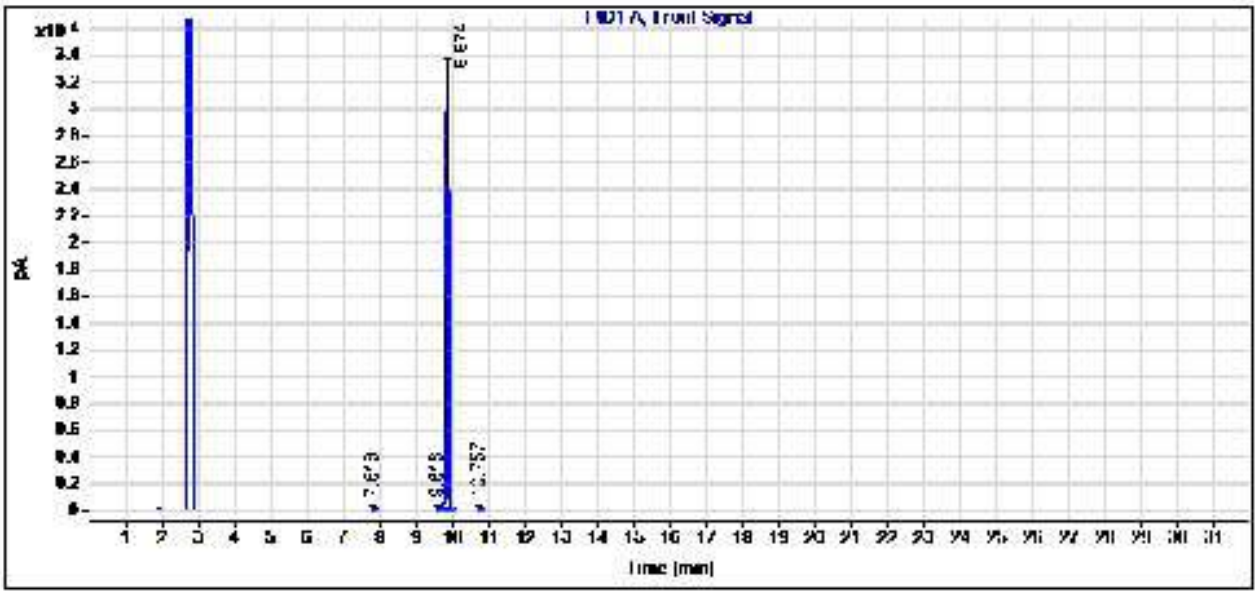
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2018 DATA\0518\SIG1010143.D

Sample name: N-11531/ACETONE

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	5/15/2018 8:14:17 AM	**Location:**	Vial 1
Acq. method:	MIX1.M	**Injection volume:**	1.0uL
Column name:	DB-624 (30m x 0.53mm x 3.0um)		



Signal: FID1 A, Front Signal

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9.616	BB	0.0420	22.9558	6.9935	0.0165
9.874	BB S	0.0575	138838.7188	33378.9727	99.9600
10.757	BB	0.0524	20.1641	4.8068	0.0145
		Sum	138894.3173		

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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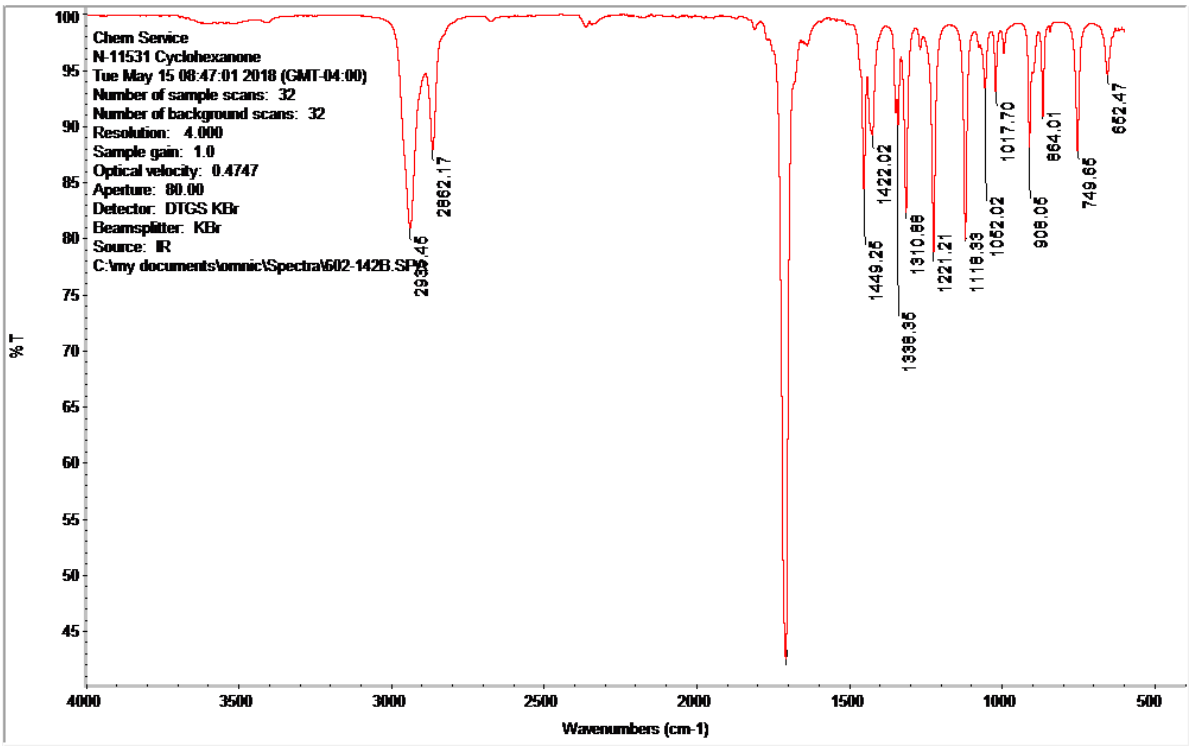
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11531-1G
Description: Cyclohexanone
Lot Number: 12628400
Expiration Date: 05/31/23



Reagent

MSV_EtOH_00034

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1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Ethyl alcohol

CATALOG NUMBER	N-11885-1G
LOT NUMBER	13347300
DATE CERTIFIED	08/21/19
EXPIRATION DATE	08/30/25
CAS NUMBER	64-17-5
MOLECULAR FORMULA	C2H6O
MOLECULAR WEIGHT	46.07
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/TCD)	99.5
% PURITY (GC/FID)	100.0
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
PHYSICAL APPEARANCE	COLORLESS LIQUID
% PURITY	99.8
ISO 17034:2016	CERTIFIED REFERENCE MATERIAL

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)

Print Date: 06/17/22

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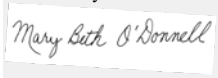
Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:



Mary Beth O'Donnell
CSM/TC

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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\0719\SIG2022556.D

Sample name: N-11885 NEAT TCD

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	7/31/2019 11:37:41 AM	**Location:**	Vial 101
Acq. method:	N-11885 TCD.M	**Injection volume:**	1.0uL
Column name:	DB-624 (30m x 0.53mm x 3.0um)		

Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
0.572	BB	0.0212	35.3817	25.4750	0.3006
0.769	BB	0.0375	16.7108	5.8171	0.1420
1.422	BB	0.1103	11708.3486	1361.3082	99.4587
1.727	BB	0.0260	11.6247	7.1305	0.0987
		Sum	11772.0658		

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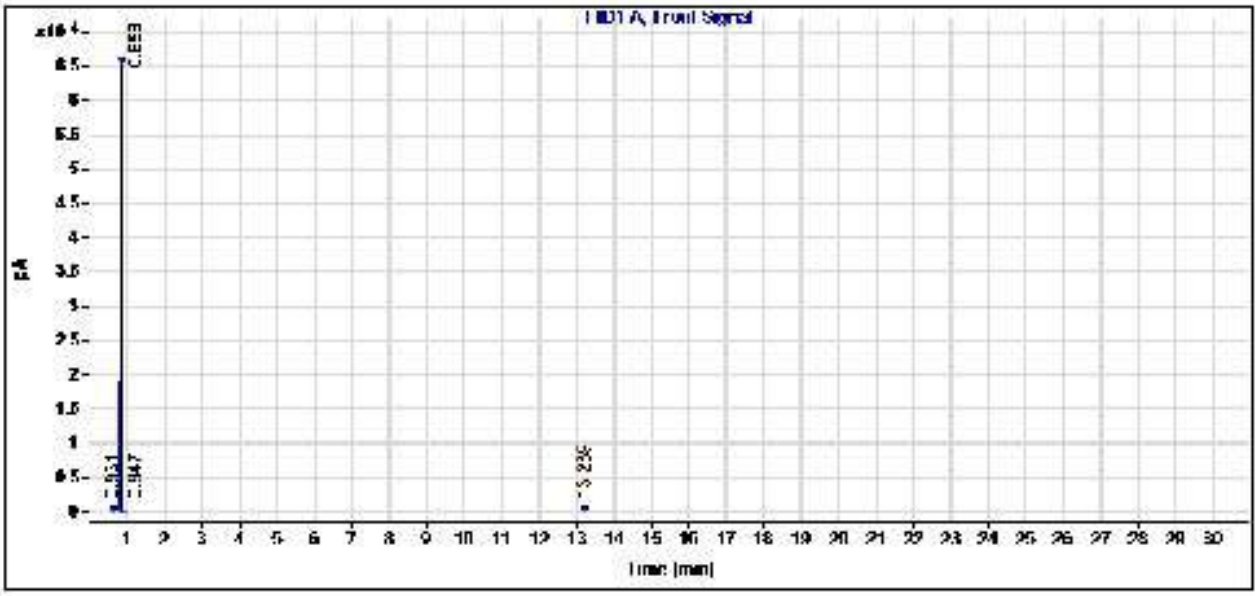
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\073019\073019B 2019-07-30 16-13-42 \101F0403.D

Sample name: N-11885 neat

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	7/31/2019 3:39:30 AM	**Location:**	Vial 101
Acq. method:	N-11885.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%
0.631	BV	0.0075	0.2668	0.5372	0.0002
0.647	VB	0.0112	27.4219	37.6672	0.0185
0.868	BB S	0.0287	148490.7656	65443.6719	99.9813
13.239	BB	0.0025	0.0186	0.1089	0.0000
		Sum	148518.4729		

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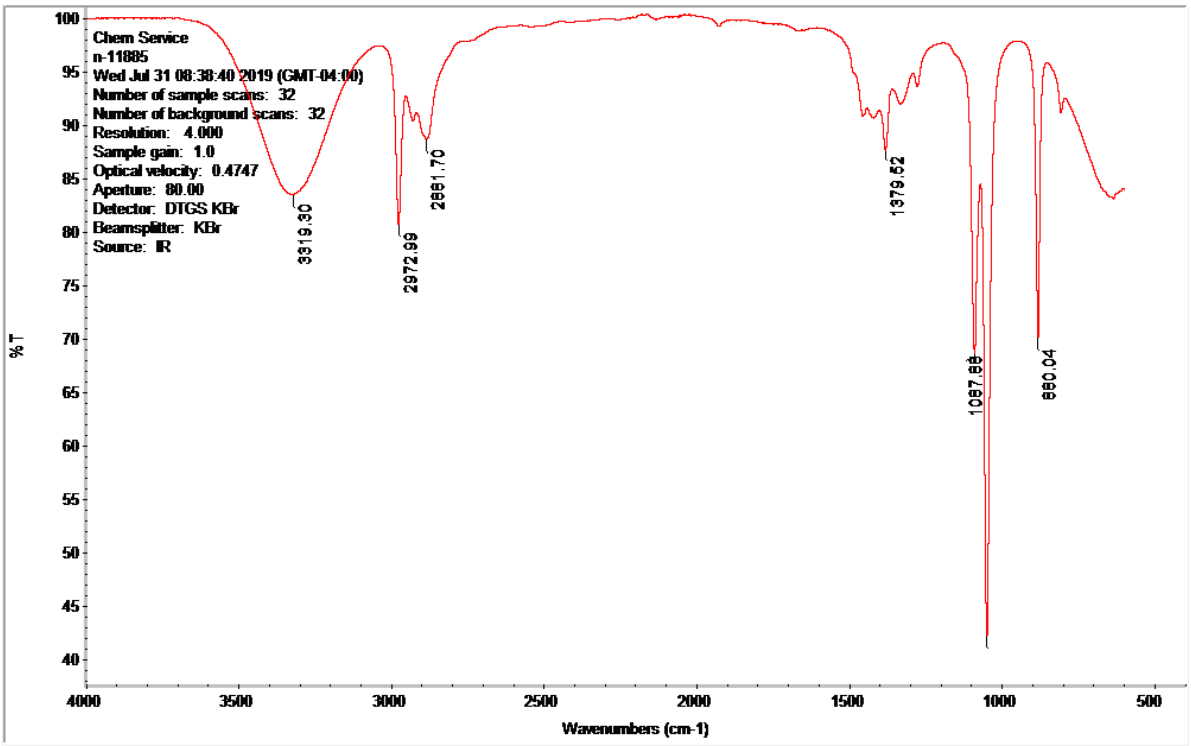
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11885-1G
Description: Ethyl alcohol
Lot Number: 13347300
Expiration Date: 08/30/25



Reagent

MSV_M_MIX1SEC_00102

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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. : 577493 **Lot No.:** A0184354

Description : Custom VOC MegaMix®.SEC #1 Standard

Custom VOC MegaMix®.SEC #1 Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : April 30, 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	1,1-Dichloroethene	1,003.8 µg/mL	+/- 9.9833 µg/mL	Gravimetric
	CAS # 75-35-4.SEC (Lot 9201700)		+/- 56.8592 µg/mL	Unstressed
	Purity 99%		+/- 58.1629 µg/mL	Stressed
2	Methylene chloride (dichloromethane)	1,001.8 µg/mL	+/- 9.9634 µg/mL	Gravimetric
	CAS # 75-09-2.SEC (Lot FGM02)		+/- 56.7459 µg/mL	Unstressed
	Purity 99%		+/- 58.0470 µg/mL	Stressed
3	trans-1,2-Dichloroethene	1,000.3 µg/mL	+/- 9.9490 µg/mL	Gravimetric
	CAS # 156-60-5.SEC (Lot TS5UB)		+/- 56.6637 µg/mL	Unstressed
	Purity 99%		+/- 57.9630 µg/mL	Stressed
4	1,1-Dichloroethane	1,002.0 µg/mL	+/- 9.9659 µg/mL	Gravimetric
	CAS # 75-34-3.SEC (Lot 7482000)		+/- 56.7600 µg/mL	Unstressed
	Purity 99%		+/- 58.0615 µg/mL	Stressed
5	2,2-Dichloropropane	1,000.0 µg/mL	+/- 9.9222 µg/mL	Gravimetric
	CAS # 594-20-7.SEC (Lot I7E8E)		+/- 56.6441 µg/mL	Unstressed
	Purity 98%		+/- 57.9431 µg/mL	Stressed
6	cis-1,2-Dichloroethene	1,000.1 µg/mL	+/- 9.9225 µg/mL	Gravimetric
	CAS # 156-59-2.SEC (Lot YZO5O)		+/- 56.6460 µg/mL	Unstressed
	Purity 99%		+/- 57.9451 µg/mL	Stressed
7	Chloroform	1,000.8 µg/mL	+/- 9.9535 µg/mL	Gravimetric
	CAS # 67-66-3.SEC (Lot 1297547)		+/- 56.6892 µg/mL	Unstressed
	Purity 99%		+/- 57.9891 µg/mL	Stressed

8	Bromochloromethane		1,000.1	µg/mL	+/-	9.9231	µg/mL	Gravimetric
	CAS # 74-97-5.SEC	(Lot 8529200)			+/-	56.6496	µg/mL	Unstressed
	Purity 99%				+/-	57.9487	µg/mL	Stressed
9	1,1,1-trichloroethane		1,000.3	µg/mL	+/-	9.9491	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	56.6645	µg/mL	Unstressed
	Purity 98%				+/-	57.9637	µg/mL	Stressed
10	1,1-Dichloropropene		1,002.5	µg/mL	+/-	9.9470	µg/mL	Gravimetric
	CAS # 563-58-6.SEC	(Lot 8541600)			+/-	56.7861	µg/mL	Unstressed
	Purity 95%				+/-	58.0883	µg/mL	Stressed
11	Carbon tetrachloride		1,000.8	µg/mL	+/-	9.9535	µg/mL	Gravimetric
	CAS # 56-23-5.SEC	(Lot 11466)			+/-	56.6892	µg/mL	Unstressed
	Purity 99%				+/-	57.9891	µg/mL	Stressed
12	1,2-Dichloroethane		1,000.6	µg/mL	+/-	9.9524	µg/mL	Gravimetric
	CAS # 107-06-2.SEC	(Lot 00016165)			+/-	56.6831	µg/mL	Unstressed
	Purity 99%				+/-	57.9828	µg/mL	Stressed
13	Benzene		1,000.1	µg/mL	+/-	9.9229	µg/mL	Gravimetric
	CAS # 71-43-2.SEC	(Lot B28Y008)			+/-	56.6482	µg/mL	Unstressed
	Purity 99%				+/-	57.9473	µg/mL	Stressed
14	Trichloroethene		1,000.9	µg/mL	+/-	9.9548	µg/mL	Gravimetric
	CAS # 79-01-6.SEC	(Lot H04X050)			+/-	56.6965	µg/mL	Unstressed
	Purity 99%				+/-	57.9965	µg/mL	Stressed
15	1,2-Dichloropropane		1,000.1	µg/mL	+/-	9.9474	µg/mL	Gravimetric
	CAS # 78-87-5.SEC	(Lot ERRBI-RH)			+/-	56.6547	µg/mL	Unstressed
	Purity 99%				+/-	57.9537	µg/mL	Stressed
16	Bromodichloromethane		1,000.8	µg/mL	+/-	9.9539	µg/mL	Gravimetric
	CAS # 75-27-4.SEC	(Lot 13780)			+/-	56.6918	µg/mL	Unstressed
	Purity 99%				+/-	57.9917	µg/mL	Stressed
17	Dibromomethane		1,000.1	µg/mL	+/-	9.9231	µg/mL	Gravimetric
	CAS # 74-95-3.SEC	(Lot MOKKJ)			+/-	56.6496	µg/mL	Unstressed
	Purity 99%				+/-	57.9487	µg/mL	Stressed
18	cis-1,3-Dichloropropene		1,000.9	µg/mL	+/-	9.9550	µg/mL	Gravimetric
	CAS # 10061-01-5.SEC	(Lot 487OA)			+/-	56.6979	µg/mL	Unstressed
	Purity 98%				+/-	57.9980	µg/mL	Stressed
19	Toluene		1,000.0	µg/mL	+/-	9.9222	µg/mL	Gravimetric
	CAS # 108-88-3.SEC	(Lot YND2B-BD)			+/-	56.6446	µg/mL	Unstressed
	Purity 99%				+/-	57.9436	µg/mL	Stressed
20	trans-1,3-Dichloropropene		1,002.1	µg/mL	+/-	9.9673	µg/mL	Gravimetric
	CAS # 10061-02-6.SEC	(Lot ZDMSL)			+/-	56.7679	µg/mL	Unstressed
	Purity 96%				+/-	58.0696	µg/mL	Stressed
21	1,1,2-Trichloroethane		1,001.3	µg/mL	+/-	9.9585	µg/mL	Gravimetric
	CAS # 79-00-5.SEC	(Lot 7871500)			+/-	56.7176	µg/mL	Unstressed
	Purity 99%				+/-	58.0180	µg/mL	Stressed
22	1,3-Dichloropropane		1,000.1	µg/mL	+/-	9.9229	µg/mL	Gravimetric
	CAS # 142-28-9.SEC	(Lot AGN01-EFPC)			+/-	56.6482	µg/mL	Unstressed
	Purity 99%				+/-	57.9473	µg/mL	Stressed
23	Tetrachloroethene		1,000.2	µg/mL	+/-	9.9484	µg/mL	Gravimetric
	CAS # 127-18-4.SEC	(Lot F09W014)			+/-	56.6603	µg/mL	Unstressed
	Purity 99%				+/-	57.9595	µg/mL	Stressed

24	Dibromochloromethane		1,000.5	µg/mL	+/-	9.9509	µg/mL	Gravimetric
	CAS # 124-48-1.SEC	(Lot 10206360)			+/-	56.6743	µg/mL	Unstressed
	Purity 97%				+/-	57.9738	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		1,000.1	µg/mL	+/-	9.9230	µg/mL	Gravimetric
	CAS # 106-93-4.SEC	(Lot 7511900)			+/-	56.6489	µg/mL	Unstressed
	Purity 99%				+/-	57.9480	µg/mL	Stressed
26	Chlorobenzene		1,001.4	µg/mL	+/-	9.9598	µg/mL	Gravimetric
	CAS # 108-90-7.SEC	(Lot 1161936)			+/-	56.7253	µg/mL	Unstressed
	Purity 99%				+/-	58.0260	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		1,000.1	µg/mL	+/-	9.9230	µg/mL	Gravimetric
	CAS # 630-20-6.SEC	(Lot GC01)			+/-	56.6489	µg/mL	Unstressed
	Purity 99%				+/-	57.9480	µg/mL	Stressed
28	Ethylbenzene		1,000.2	µg/mL	+/-	9.9235	µg/mL	Gravimetric
	CAS # 100-41-4.SEC	(Lot PI4SE)			+/-	56.6517	µg/mL	Unstressed
	Purity 99%				+/-	57.9509	µg/mL	Stressed
29	m-Xylene		1,000.2	µg/mL	+/-	9.9235	µg/mL	Gravimetric
	CAS # 108-38-3.SEC	(Lot 7ZV6F)			+/-	56.6517	µg/mL	Unstressed
	Purity 99%				+/-	57.9509	µg/mL	Stressed
30	p-Xylene		1,000.1	µg/mL	+/-	9.9224	µg/mL	Gravimetric
	CAS # 106-42-3.SEC	(Lot D6UOA)			+/-	56.6453	µg/mL	Unstressed
	Purity 99%				+/-	57.9444	µg/mL	Stressed
31	o-Xylene		1,000.1	µg/mL	+/-	9.9225	µg/mL	Gravimetric
	CAS # 95-47-6.SEC	(Lot FGL01)			+/-	56.6460	µg/mL	Unstressed
	Purity 99%				+/-	57.9451	µg/mL	Stressed
32	Styrene		1,000.1	µg/mL	+/-	9.9231	µg/mL	Gravimetric
	CAS # 100-42-5.SEC	(Lot OFIOL-IA)			+/-	56.6496	µg/mL	Unstressed
	Purity 99%				+/-	57.9487	µg/mL	Stressed
33	Isopropylbenzene (cumene)		1,000.0	µg/mL	+/-	9.9220	µg/mL	Gravimetric
	CAS # 98-82-8.SEC	(Lot JN4EC)			+/-	56.6432	µg/mL	Unstressed
	Purity 99%				+/-	57.9422	µg/mL	Stressed
34	Bromoform		1,001.7	µg/mL	+/-	9.9633	µg/mL	Gravimetric
	CAS # 75-25-2.SEC	(Lot 9170700)			+/-	56.7453	µg/mL	Unstressed
	Purity 99%				+/-	58.0464	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		1,001.6	µg/mL	+/-	9.9624	µg/mL	Gravimetric
	CAS # 79-34-5.SEC	(Lot BCCB0724)			+/-	56.7398	µg/mL	Unstressed
	Purity 98%				+/-	58.0408	µg/mL	Stressed
36	1,2,3-Trichloropropane		1,000.0	µg/mL	+/-	9.9222	µg/mL	Gravimetric
	CAS # 96-18-4.SEC	(Lot GUHZN)			+/-	56.6446	µg/mL	Unstressed
	Purity 99%				+/-	57.9436	µg/mL	Stressed
37	n-Propylbenzene		1,000.1	µg/mL	+/-	9.9224	µg/mL	Gravimetric
	CAS # 103-65-1.SEC	(Lot T2HFC)			+/-	56.6453	µg/mL	Unstressed
	Purity 99%				+/-	57.9444	µg/mL	Stressed
38	Bromobenzene		1,000.2	µg/mL	+/-	9.9234	µg/mL	Gravimetric
	CAS # 108-86-1.SEC	(Lot 8DKWJ)			+/-	56.6510	µg/mL	Unstressed
	Purity 99%				+/-	57.9502	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		1,000.1	µg/mL	+/-	9.9225	µg/mL	Gravimetric
	CAS # 108-67-8.SEC	(Lot TOOOF)			+/-	56.6460	µg/mL	Unstressed
	Purity 99%				+/-	57.9451	µg/mL	Stressed

40	2-Chlorotoluene		1,000.0	µg/mL	+/-	9.9220	µg/mL	Gravimetric
	CAS # 95-49-8.SEC	(Lot BRHPM)			+/-	56.6432	µg/mL	Unstressed
	Purity 99%				+/-	57.9422	µg/mL	Stressed
41	4-Chlorotoluene		1,000.1	µg/mL	+/-	9.9227	µg/mL	Gravimetric
	CAS # 106-43-4.SEC	(Lot S5SKD)			+/-	56.6475	µg/mL	Unstressed
	Purity 99%				+/-	57.9465	µg/mL	Stressed
42	tert-Butylbenzene		1,000.1	µg/mL	+/-	9.9226	µg/mL	Gravimetric
	CAS # 98-06-6.SEC	(Lot D6OHC)			+/-	56.6468	µg/mL	Unstressed
	Purity 99%				+/-	57.9458	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		1,000.1	µg/mL	+/-	9.9229	µg/mL	Gravimetric
	CAS # 95-63-6.SEC	(Lot JMIYD)			+/-	56.6482	µg/mL	Unstressed
	Purity 99%				+/-	57.9473	µg/mL	Stressed
44	sec-Butylbenzene		1,000.1	µg/mL	+/-	9.9226	µg/mL	Gravimetric
	CAS # 135-98-8.SEC	(Lot O4HRF)			+/-	56.6468	µg/mL	Unstressed
	Purity 99%				+/-	57.9458	µg/mL	Stressed
45	4-Isopropyltoluene (p-cymene)		1,000.1	µg/mL	+/-	9.9226	µg/mL	Gravimetric
	CAS # 99-87-6.SEC	(Lot 8380000)			+/-	56.6468	µg/mL	Unstressed
	Purity 99%				+/-	57.9458	µg/mL	Stressed
46	1,3-Dichlorobenzene		1,000.1	µg/mL	+/-	9.9467	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)			+/-	56.6504	µg/mL	Unstressed
	Purity 99%				+/-	57.9494	µg/mL	Stressed
47	1,4-Dichlorobenzene		1,002.5	µg/mL	+/-	9.9708	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot YWKDC-MK)			+/-	56.7875	µg/mL	Unstressed
	Purity 99%				+/-	58.0896	µg/mL	Stressed
48	n-Butylbenzene		1,000.1	µg/mL	+/-	9.9229	µg/mL	Gravimetric
	CAS # 104-51-8.SEC	(Lot MMPGA)			+/-	56.6482	µg/mL	Unstressed
	Purity 99%				+/-	57.9473	µg/mL	Stressed
49	1,2-Dichlorobenzene		1,001.6	µg/mL	+/-	9.9619	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	56.7374	µg/mL	Unstressed
	Purity 99%				+/-	58.0383	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		1,000.0	µg/mL	+/-	9.9220	µg/mL	Gravimetric
	CAS # 96-12-8.SEC	(Lot Q135-105)			+/-	56.6432	µg/mL	Unstressed
	Purity 99%				+/-	57.9422	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		1,000.1	µg/mL	+/-	9.9224	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot IGLFA)			+/-	56.6453	µg/mL	Unstressed
	Purity 99%				+/-	57.9444	µg/mL	Stressed
52	Hexachlorobutadiene		1,000.8	µg/mL	+/-	9.9297	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 8532700)			+/-	56.6870	µg/mL	Unstressed
	Purity 97%				+/-	57.9870	µg/mL	Stressed
53	Naphthalene		1,000.1	µg/mL	+/-	9.9229	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot SKZ5N)			+/-	56.6482	µg/mL	Unstressed
	Purity 99%				+/-	57.9473	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		1,000.7	µg/mL	+/-	9.9292	µg/mL	Gravimetric
	CAS # 87-61-6.SEC	(Lot A0043055)			+/-	56.6844	µg/mL	Unstressed
	Purity 98%				+/-	57.9843	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)

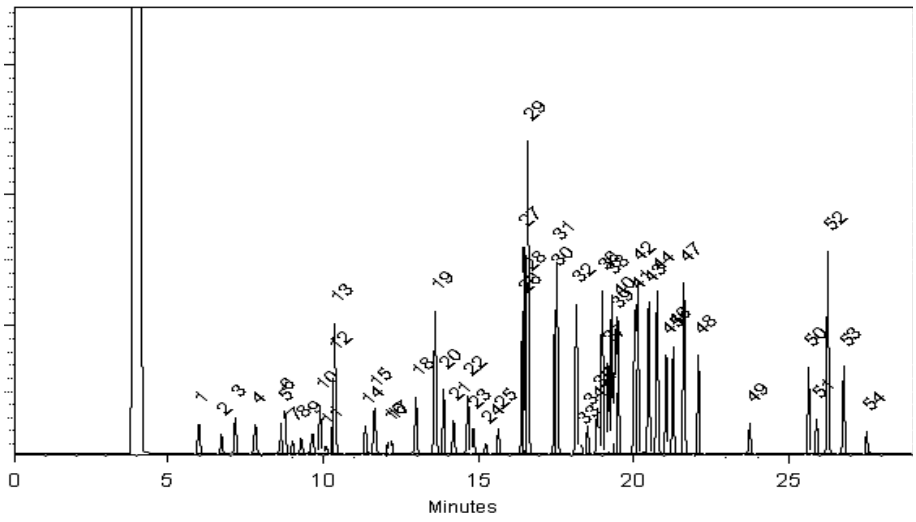
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Katelyn McGinni - Operations Tech I

Date Mixed: 21-Apr-2022 **Balance:** B345965662

Marlina Cowan - Operations Tech I

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_M_MIX2SEC_00099

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577494 **Lot No.:** A0184412

Description : Custom VOC MegaMix®.SEC #2 Standard

Custom VOC MegaMix®.SEC #2 Standard 1,000-50,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : April 30, 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)	1,008.7 µg/mL	+/- 5.9912	µg/mL	Gravimetric
	CAS # 109-66-0.SEC (Lot FGH02)		+/- 49.9116	µg/mL	Unstressed
	Purity 99%		+/- 51.1520	µg/mL	Stressed
2	2-Propanol (isopropanol)	7,505.3 µg/mL	+/- 43.9454	µg/mL	Gravimetric
	CAS # 67-63-0.SEC (Lot G6HNF)		+/- 371.3091	µg/mL	Unstressed
	Purity 99%		+/- 380.5402	µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	1,010.0 µg/mL	+/- 5.9991	µg/mL	Gravimetric
	CAS # 76-13-1.SEC (Lot 18342)		+/- 49.9776	µg/mL	Unstressed
	Purity 99%		+/- 51.2196	µg/mL	Stressed
4	tert-Butanol (TBA)	10,043.3 µg/mL	+/- 58.8059	µg/mL	Gravimetric
	CAS # 75-65-0.SEC (Lot ZSJ2O)		+/- 496.8708	µg/mL	Unstressed
	Purity 99%		+/- 509.2235	µg/mL	Stressed
5	Methyl acetate	1,002.0 µg/mL	+/- 5.9516	µg/mL	Gravimetric
	CAS # 79-20-9.SEC (Lot UCNEL)		+/- 49.5817	µg/mL	Unstressed
	Purity 99%		+/- 50.8139	µg/mL	Stressed
6	Iodomethane (methyl iodide)	1,003.3 µg/mL	+/- 5.9595	µg/mL	Gravimetric
	CAS # 74-88-4.SEC (Lot Y25A027)		+/- 49.6477	µg/mL	Unstressed
	Purity 99%		+/- 50.8815	µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	1,003.3 µg/mL	+/- 5.9595	µg/mL	Gravimetric
	CAS # 107-05-1.SEC (Lot RD210329)		+/- 49.6477	µg/mL	Unstressed
	Purity 99%		+/- 50.8815	µg/mL	Stressed

8	Carbon disulfide		1,008.7	µg/mL	+/-	5.9912	µg/mL	Gravimetric
	CAS # 75-15-0.SEC	(Lot MKBL1376V)			+/-	49.9116	µg/mL	Unstressed
	Purity 99%				+/-	51.1520	µg/mL	Stressed
9	Acrylonitrile		5,034.7	µg/mL	+/-	29.5462	µg/mL	Gravimetric
	CAS # 107-13-1.SEC	(Lot V54AD)			+/-	249.0865	µg/mL	Unstressed
	Purity 99%				+/-	255.2787	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		1,008.0	µg/mL	+/-	5.9872	µg/mL	Gravimetric
	CAS # 1634-04-4.SEC	(Lot ZHKYA)			+/-	49.8786	µg/mL	Unstressed
	Purity 99%				+/-	51.1182	µg/mL	Stressed
11	n-Hexane (C6)		1,002.7	µg/mL	+/-	5.9555	µg/mL	Gravimetric
	CAS # 110-54-3.SEC	(Lot 10188491)			+/-	49.6147	µg/mL	Unstressed
	Purity 99%				+/-	50.8477	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		1,002.7	µg/mL	+/-	5.9555	µg/mL	Gravimetric
	CAS # 108-20-3.SEC	(Lot LL7TN-SH)			+/-	49.6147	µg/mL	Unstressed
	Purity 99%				+/-	50.8477	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		1,006.7	µg/mL	+/-	5.9793	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 210927JLM)			+/-	49.8127	µg/mL	Unstressed
	Purity 99%				+/-	51.0506	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		1,004.2	µg/mL	+/-	5.9645	µg/mL	Gravimetric
	CAS # 637-92-3.SEC	(Lot UCI5B)			+/-	49.6893	µg/mL	Unstressed
	Purity 98%				+/-	50.9241	µg/mL	Stressed
15	Propionitrile		7,512.7	µg/mL	+/-	43.9883	µg/mL	Gravimetric
	CAS # 107-12-0.SEC	(Lot PS48O)			+/-	371.6719	µg/mL	Unstressed
	Purity 99%				+/-	380.9121	µg/mL	Stressed
16	Methacrylonitrile		7,502.7	µg/mL	+/-	43.9298	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012020)			+/-	371.1772	µg/mL	Unstressed
	Purity 99%				+/-	380.4050	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		25,034.0	µg/mL	+/-	146.5796	µg/mL	Gravimetric
	CAS # 78-83-1.SEC	(Lot YNG3K)			+/-	1,238.4996	µg/mL	Unstressed
	Purity 99%				+/-	1,269.2900	µg/mL	Stressed
18	Tetrahydrofuran		5,008.7	µg/mL	+/-	29.3937	µg/mL	Gravimetric
	CAS # 109-99-9.SEC	(Lot 3NYHE)			+/-	247.8002	µg/mL	Unstressed
	Purity 99%				+/-	253.9604	µg/mL	Stressed
19	Cyclohexane		1,004.0	µg/mL	+/-	5.9635	µg/mL	Gravimetric
	CAS # 110-82-7.SEC	(Lot YADRA)			+/-	49.6807	µg/mL	Unstressed
	Purity 99%				+/-	50.9153	µg/mL	Stressed
20	1-Butanol		50,012.0	µg/mL	+/-	292.8313	µg/mL	Gravimetric
	CAS # 71-36-3.SEC	(Lot RSHAH)			+/-	2,474.2286	µg/mL	Unstressed
	Purity 99%				+/-	2,535.7406	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		1,009.4	µg/mL	+/-	5.9955	µg/mL	Gravimetric
	CAS # 994-05-8.SEC	(Lot 12075100)			+/-	49.9479	µg/mL	Unstressed
	Purity 98%				+/-	51.1892	µg/mL	Stressed
22	n-Heptane (C7)		1,007.3	µg/mL	+/-	5.9833	µg/mL	Gravimetric
	CAS # 142-82-5.SEC	(Lot TFHUC)			+/-	49.8456	µg/mL	Unstressed
	Purity 99%				+/-	51.0844	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		1,004.7	µg/mL	+/-	5.9674	µg/mL	Gravimetric
	CAS # 919-94-8.SEC	(Lot 11370700)			+/-	49.7137	µg/mL	Unstressed
	Purity 99%				+/-	50.9491	µg/mL	Stressed

24	Methylcyclohexane		1,005.3	µg/mL	+/-	5.9714	µg/mL	Gravimetric
	CAS # 108-87-2.SEC	(Lot Q02QG)			+/-	49.7467	µg/mL	Unstressed
	Purity 99%				+/-	50.9829	µg/mL	Stressed
25	Methyl methacrylate		1,004.0	µg/mL	+/-	5.9635	µg/mL	Gravimetric
	CAS # 80-62-6.SEC	(Lot G01X021)			+/-	49.6807	µg/mL	Unstressed
	Purity 99%				+/-	50.9153	µg/mL	Stressed
26	1,4-Dioxane		25,019.3	µg/mL	+/-	146.4937	µg/mL	Gravimetric
	CAS # 123-91-1.SEC	(Lot KLE2K)			+/-	1,237.7740	µg/mL	Unstressed
	Purity 99%				+/-	1,268.5463	µg/mL	Stressed
27	2-Nitropropane		1,010.0	µg/mL	+/-	5.9991	µg/mL	Gravimetric
	CAS # 79-46-9.SEC	(Lot F43IA)			+/-	49.9776	µg/mL	Unstressed
	Purity 99%				+/-	51.2196	µg/mL	Stressed
28	Ethyl methacrylate		1,001.3	µg/mL	+/-	5.9476	µg/mL	Gravimetric
	CAS # 97-63-2.SEC	(Lot AQSPO)			+/-	49.5487	µg/mL	Unstressed
	Purity 99%				+/-	50.7801	µg/mL	Stressed
29	1-Chlorohexane		1,000.7	µg/mL	+/-	5.9437	µg/mL	Gravimetric
	CAS # 544-10-5.SEC	(Lot 13075400)			+/-	49.5158	µg/mL	Unstressed
	Purity 99%				+/-	50.7463	µg/mL	Stressed
30	trans-1,4-Dichloro-2-butene		5,014.9	µg/mL	+/-	29.4302	µg/mL	Gravimetric
	CAS # 110-57-6.SEC	(Lot RD220126S)			+/-	248.1086	µg/mL	Unstressed
	Purity 97%				+/-	254.2764	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		1,003.5	µg/mL	+/-	5.9606	µg/mL	Gravimetric
	CAS # 526-73-8.SEC	(Lot 11386600)			+/-	49.6569	µg/mL	Unstressed
	Purity 98%				+/-	50.8910	µg/mL	Stressed
32	1,3-Diethylbenzene		1,001.3	µg/mL	+/-	5.9476	µg/mL	Gravimetric
	CAS # 141-93-5.SEC	(Lot 113566-1)			+/-	49.5487	µg/mL	Unstressed
	Purity 99%				+/-	50.7801	µg/mL	Stressed
33	Benzyl chloride		1,001.3	µg/mL	+/-	5.9476	µg/mL	Gravimetric
	CAS # 100-44-7.SEC	(Lot H29N03)			+/-	49.5487	µg/mL	Unstressed
	Purity 99%				+/-	50.7801	µg/mL	Stressed
34	1,4-Diethylbenzene		1,001.6	µg/mL	+/-	5.9490	µg/mL	Gravimetric
	CAS # 105-05-5.SEC	(Lot FBQ02)			+/-	49.5600	µg/mL	Unstressed
	Purity 98%				+/-	50.7916	µg/mL	Stressed
35	1,2-Diethylbenzene		1,002.0	µg/mL	+/-	5.9516	µg/mL	Gravimetric
	CAS # 135-01-3.SEC	(Lot BCBF3667V)			+/-	49.5817	µg/mL	Unstressed
	Purity 99%				+/-	50.8139	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		1,009.3	µg/mL	+/-	5.9951	µg/mL	Gravimetric
	CAS # 108-70-3.SEC	(Lot I28U021)			+/-	49.9446	µg/mL	Unstressed
	Purity 99%				+/-	51.1858	µg/mL	Stressed
37	2-Methylnaphthalene		1,002.7	µg/mL	+/-	5.9555	µg/mL	Gravimetric
	CAS # 91-57-6.SEC	(Lot 76023-1)			+/-	49.6147	µg/mL	Unstressed
	Purity 99%				+/-	50.8477	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)

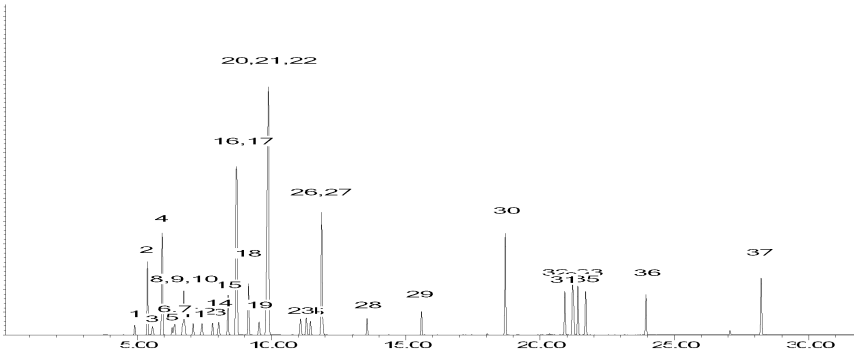
Carrier Gas:
helium-constant pressure 30 psi

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.

Lane Kibe - Mix Technician

Date Mixed: 22-Apr-2022 **Balance:** B707717271

Jennifer Pollino - Operations Tech-ARM QC

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_MegaMIX#1_00100

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
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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. : 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

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,1-dichloroethene	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)

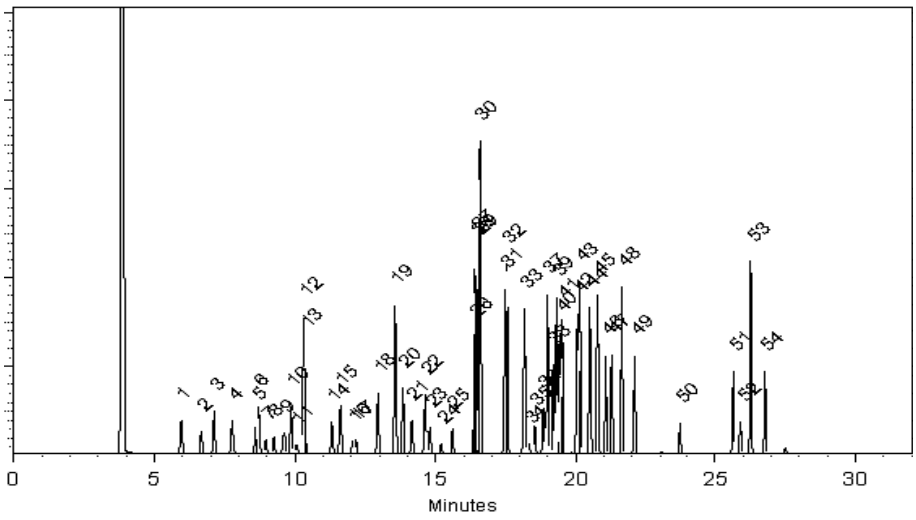
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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_00097

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577487 **Lot No.:** A0173454

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Pentane (C5)	5,000.8 µg/mL	+/- 34.9563 µg/mL	Gravimetric
	CAS # 109-66-0 (Lot SHBM6577)		+/- 248.1404 µg/mL	Unstressed
	Purity 99%		+/- 254.2734 µg/mL	Stressed
2	2-Propanol (isopropanol)	25,000.0 µg/mL	+/- 146.3805 µg/mL	Gravimetric
	CAS # 67-63-0 (Lot SHBH7211)		+/- 1,236.8175 µg/mL	Unstressed
	Purity 99%		+/- 1,267.5661 µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,000.0 µg/mL	+/- 34.9505 µg/mL	Gravimetric
	CAS # 76-13-1 (Lot 00016133)		+/- 248.0991 µg/mL	Unstressed
	Purity 99%		+/- 254.2310 µg/mL	Stressed
4	tert-Butanol (TBA)	25,010.0 µg/mL	+/- 146.4390 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,237.3122 µg/mL	Unstressed
	Purity 99%		+/- 1,268.0731 µg/mL	Stressed
5	Methyl acetate	5,000.2 µg/mL	+/- 34.9516 µg/mL	Gravimetric
	CAS # 79-20-9 (Lot SHBM1320)		+/- 248.1073 µg/mL	Unstressed
	Purity 99%		+/- 254.2395 µg/mL	Stressed
6	Iodomethane (methyl iodide)	5,001.7 µg/mL	+/- 34.9621 µg/mL	Gravimetric
	CAS # 74-88-4 (Lot RD210503)		+/- 248.1818 µg/mL	Unstressed
	Purity 99%		+/- 254.3157 µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	5,000.7 µg/mL	+/- 34.9551 µg/mL	Gravimetric
	CAS # 107-05-1 (Lot RD210402)		+/- 248.1321 µg/mL	Unstressed
	Purity 99%		+/- 254.2649 µg/mL	Stressed

8	Carbon disulfide		5,004.2	µg/mL	+/-	34.9796	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	248.3058	µg/mL	Unstressed
	Purity 99%				+/-	254.4428	µg/mL	Stressed
9	Acrylonitrile		12,506.0	µg/mL	+/-	73.2254	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot M25F024)			+/-	618.7056	µg/mL	Unstressed
	Purity 99%				+/-	634.0873	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBM3541)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
11	n-Hexane (C6)		5,000.5	µg/mL	+/-	34.9540	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBL9879)			+/-	248.1239	µg/mL	Unstressed
	Purity 99%				+/-	254.2564	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		5,003.3	µg/mL	+/-	34.9738	µg/mL	Gravimetric
	CAS # 108-20-3	(Lot SHBH1927V)			+/-	248.2645	µg/mL	Unstressed
	Purity 99%				+/-	254.4005	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		5,001.2	µg/mL	+/-	34.9586	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 210413JLM)			+/-	248.1570	µg/mL	Unstressed
	Purity 99%				+/-	254.2903	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 637-92-3	(Lot MKCM3774)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
15	Propionitrile		25,006.7	µg/mL	+/-	146.4195	µg/mL	Gravimetric
	CAS # 107-12-0	(Lot BCCC1173)			+/-	1,237.1473	µg/mL	Unstressed
	Purity 99%				+/-	1,267.9041	µg/mL	Stressed
16	Methacrylonitrile		12,500.7	µg/mL	+/-	73.1942	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012020)			+/-	618.4417	µg/mL	Unstressed
	Purity 99%				+/-	633.8168	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,500.7	µg/mL	+/-	365.9551	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot SHBM4836)			+/-	3,092.0767	µg/mL	Unstressed
	Purity 99%				+/-	3,168.9490	µg/mL	Stressed
18	Tetrahydrofuran		25,010.0	µg/mL	+/-	146.4390	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBM8962)			+/-	1,237.3122	µg/mL	Unstressed
	Purity 99%				+/-	1,268.0731	µg/mL	Stressed
19	Cyclohexane		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot MKCF5831)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
20	1-Butanol		62,504.0	µg/mL	+/-	365.9747	µg/mL	Gravimetric
	CAS # 71-36-3	(Lot SHBM5061)			+/-	3,092.2416	µg/mL	Unstressed
	Purity 99%				+/-	3,169.1180	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 994-05-8	(Lot HMBG7745V)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
22	n-Heptane (C7)		5,002.3	µg/mL	+/-	34.9668	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SHBL9221)			+/-	248.2148	µg/mL	Unstressed
	Purity 99%				+/-	254.3496	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 919-94-8	(Lot 76U3A)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed

24	Methylcyclohexane		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed
25	Methyl methacrylate		5,001.0	µg/mL	+/-	34.9574	µg/mL	Gravimetric
	CAS # 80-62-6	(Lot MKCN3027)			+/-	248.1487	µg/mL	Unstressed
	Purity 99%				+/-	254.2818	µg/mL	Stressed
26	1,4-Dioxane		62,503.3	µg/mL	+/-	365.9708	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBM5092)			+/-	3,092.2086	µg/mL	Unstressed
	Purity 99%				+/-	3,169.0842	µg/mL	Stressed
27	2-Nitropropane		25,000.8	µg/mL	+/-	146.3851	µg/mL	Gravimetric
	CAS # 79-46-9	(Lot BCCB9352)			+/-	1,236.8561	µg/mL	Unstressed
	Purity 97%				+/-	1,267.6056	µg/mL	Stressed
28	Ethyl methacrylate		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
29	1-Chlorohexane		5,000.0	µg/mL	+/-	34.9502	µg/mL	Gravimetric
	CAS # 544-10-5	(Lot BCBS3368V)			+/-	248.0971	µg/mL	Unstressed
	Purity 98%				+/-	254.2290	µg/mL	Stressed
30	trans-1,4-dichloro-2-butene		12,510.9	µg/mL	+/-	73.2539	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD210617)			+/-	618.9463	µg/mL	Unstressed
	Purity 95%				+/-	634.3340	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		5,000.0	µg/mL	+/-	34.9502	µg/mL	Gravimetric
	CAS # 526-73-8	(Lot 8776.10-36)			+/-	248.0971	µg/mL	Unstressed
	Purity 98%				+/-	254.2290	µg/mL	Stressed
32	1,3-Diethylbenzene		5,000.9	µg/mL	+/-	34.9570	µg/mL	Gravimetric
	CAS # 141-93-5	(Lot BCBT8967)			+/-	248.1457	µg/mL	Unstressed
	Purity 98%				+/-	254.2788	µg/mL	Stressed
33	Benzyl chloride		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 100-44-7	(Lot SHBH2102V)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
34	1,4-Diethylbenzene		5,001.4	µg/mL	+/-	34.9605	µg/mL	Gravimetric
	CAS # 105-05-5	(Lot RLHJK)			+/-	248.1700	µg/mL	Unstressed
	Purity 98%				+/-	254.3037	µg/mL	Stressed
35	1,2-Diethylbenzene		5,000.5	µg/mL	+/-	34.9540	µg/mL	Gravimetric
	CAS # 135-01-3	(Lot ECH2970181)			+/-	248.1239	µg/mL	Unstressed
	Purity 99%				+/-	254.2564	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 108-70-3	(Lot 11319AS)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed
37	2-Methylnaphthalene		5,001.0	µg/mL	+/-	34.9574	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBG8884)			+/-	248.1487	µg/mL	Unstressed
	Purity 99%				+/-	254.2818	µg/mL	Stressed

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

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

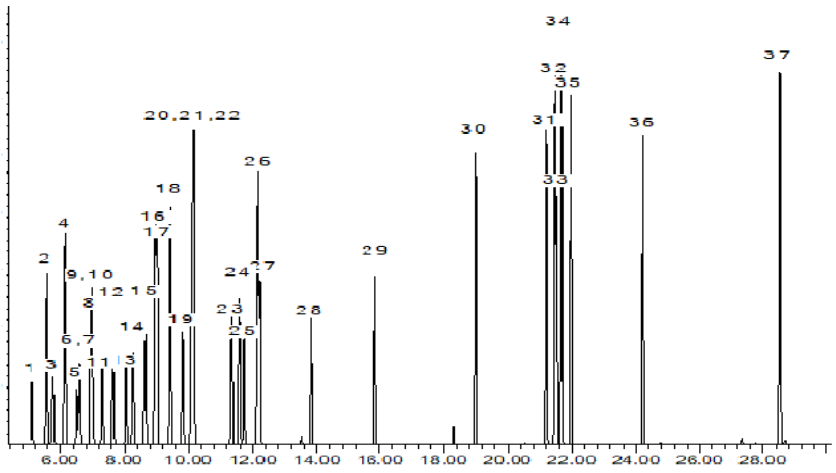
Carrier Gas:
helium-constant pressure 30 psi

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Russ Bookhamer - Operations Technician I

Date Mixed: 16-Jun-2021 **Balance:** B707717271

Alexis Shelow - Operations Tech I

Date Passed: 30-Jun-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Q_Ketones_00102

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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. : 569721.SEC **Lot No.:** A0178490

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

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

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone	12,504.0 µg/mL	+/- 73.2137 µg/mL	Gravimetric
	CAS # 67-64-1.SEC (Lot S25F025)		+/- 754.4715 µg/mL	Unstressed
	Purity 99%		+/- 756.2625 µg/mL	Stressed
2	2-Butanone (MEK)	12,502.0 µg/mL	+/- 73.2020 µg/mL	Gravimetric
	CAS # 78-93-3.SEC (Lot RGZ2A)		+/- 754.3508 µg/mL	Unstressed
	Purity 99%		+/- 756.1415 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,508.7 µg/mL	+/- 73.2410 µg/mL	Gravimetric
	CAS # 108-10-1.SEC (Lot E29T040)		+/- 754.7530 µg/mL	Unstressed
	Purity 99%		+/- 756.5447 µg/mL	Stressed
4	2-Hexanone	12,507.3 µg/mL	+/- 73.2332 µg/mL	Gravimetric
	CAS # 591-78-6.SEC (Lot Y3TUO)		+/- 754.6726 µg/mL	Unstressed
	Purity 99%		+/- 756.4641 µg/mL	Stressed

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

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

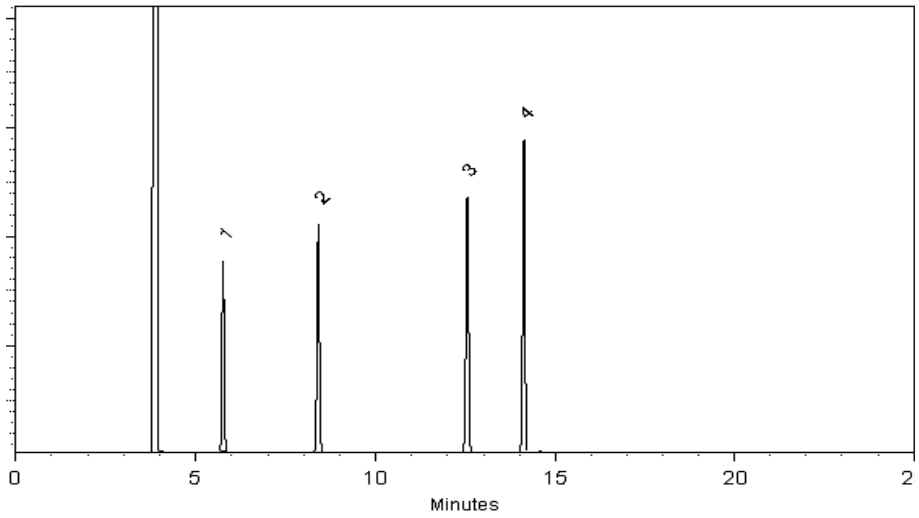
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Jeff Rhoades - Mix Technician

Date Mixed: 15-Nov-2021 **Balance:** 1127510105

Clara Windle - Operations Technician I

Date Passed: 16-Nov-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00120

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Bellefonte, PA 16823-8812
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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. : 577488.SEC **Lot No.:** A0172021

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12)	2,014.7 µg/mL	+/- 21.3347 µg/mL	Gravimetric
	CAS # 75-71-8.SEC (Lot 26871)		+/- 114.3626 µg/mL	Unstressed
	Purity 99%		+/- 116.9742 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,018.4 µg/mL	+/- 22.6573 µg/mL	Gravimetric
	CAS # 74-87-3.SEC (Lot 18343)		+/- 114.8157 µg/mL	Unstressed
	Purity 99%		+/- 117.4265 µg/mL	Stressed
3	Vinyl chloride	2,011.6 µg/mL	+/- 18.1502 µg/mL	Gravimetric
	CAS # 75-01-4.SEC (Lot MKBK6872V)		+/- 113.6387 µg/mL	Unstressed
	Purity 99%		+/- 116.2584 µg/mL	Stressed
4	1,3-Butadiene	2,020.9 µg/mL	+/- 15.6985 µg/mL	Gravimetric
	CAS # 106-99-0.SEC (Lot 26996)		+/- 113.7849 µg/mL	Unstressed
	Purity 99%		+/- 116.4253 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,014.3 µg/mL	+/- 52.5641 µg/mL	Gravimetric
	CAS # 74-83-9.SEC (Lot 00017022)		+/- 124.0186 µg/mL	Unstressed
	Purity 99%		+/- 126.4297 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,009.7 µg/mL	+/- 28.6335 µg/mL	Gravimetric
	CAS # 75-00-3.SEC (Lot 00004202)		+/- 115.6738 µg/mL	Unstressed
	Purity 99%		+/- 118.2437 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 11.7371 µg/mL	Gravimetric
	CAS # 75-43-4 * (Lot 10930400)		+/- 112.1494 µg/mL	Unstressed
	Purity 99%		+/- 114.7730 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,010.6	µg/mL	+/-	32.3019	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot 253600)			+/-	116.6827	µg/mL	Unstressed
	Purity 99%				+/-	119.2330	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,020.4	µg/mL	+/-	21.8150	µg/mL	Gravimetric
	CAS # 354-23-4 *	(Lot Q9B-64)			+/-	114.7647	µg/mL	Unstressed
	Purity 99%				+/-	117.3819	µg/mL	Stressed

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

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

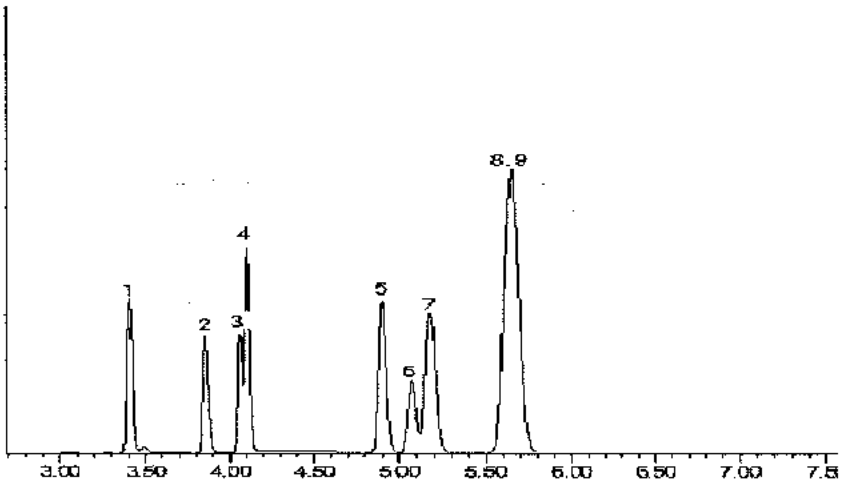
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Lane Kibe - Mix Technician

Date Mixed: 04-May-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech 1

Date Passed: 17-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

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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. : 577488.SEC **Lot No.:** A0184924

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : May 31, 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	Dichlorodifluoromethane (CFC-12)	2,000.3 µg/mL	+/- 17.8749 µg/mL	Gravimetric
	CAS # 75-71-8.SEC (Lot 27545)		+/- 112.9722 µg/mL	Unstressed
	Purity 99%		+/- 115.5779 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,002.3 µg/mL	+/- 19.9305 µg/mL	Gravimetric
	CAS # 74-87-3.SEC (Lot 18343)		+/- 113.4254 µg/mL	Unstressed
	Purity 99%		+/- 116.0260 µg/mL	Stressed
3	Vinyl chloride	2,002.4 µg/mL	+/- 21.8874 µg/mL	Gravimetric
	CAS # 75-01-4.SEC (Lot MKBK6872V)		+/- 113.7916 µg/mL	Unstressed
	Purity 99%		+/- 116.3843 µg/mL	Stressed
4	1,3-Butadiene	2,003.4 µg/mL	+/- 24.0683 µg/mL	Gravimetric
	CAS # 106-99-0.SEC (Lot 26996)		+/- 114.2862 µg/mL	Unstressed
	Purity 99%		+/- 116.8705 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,007.9 µg/mL	+/- 17.0860 µg/mL	Gravimetric
	CAS # 74-83-9.SEC (Lot 00017022)		+/- 113.2712 µg/mL	Unstressed
	Purity 99%		+/- 115.8898 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,002.2 µg/mL	+/- 20.1773 µg/mL	Gravimetric
	CAS # 75-00-3.SEC (Lot 00004202)		+/- 113.4619 µg/mL	Unstressed
	Purity 98%		+/- 116.0614 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 11.7371 µg/mL	Gravimetric
	CAS # 75-43-4 * (Lot 12841600)		+/- 112.1494 µg/mL	Unstressed
	Purity 99%		+/- 114.7730 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,000.0	µg/mL	+/-	11.7371	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot 00010739)			+/-	112.1494	µg/mL	Unstressed
	Purity 99%				+/-	114.7730	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,000.5	µg/mL	+/-	25.4843	µg/mL	Gravimetric
	CAS # 354-23-4 *	(Lot Q9B-64)			+/-	114.4324	µg/mL	Unstressed
	Purity 99%				+/-	117.0060	µg/mL	Stressed

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

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

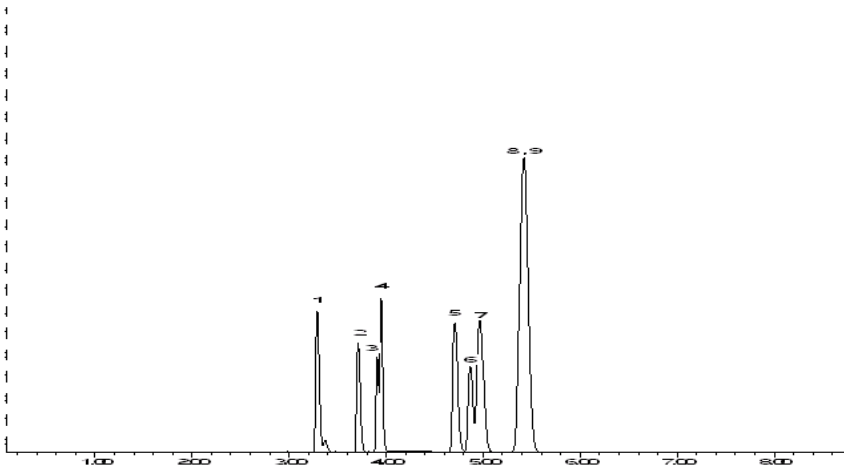
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Brandon Reish - Mix Technician

Date Mixed: 05-May-2022 **Balance:** 1127510105

Marlina Cowan - Operations Tech I

Date Passed: 10-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

MSV_V_2CLEVE_00099

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577492 **Lot No.:** 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)

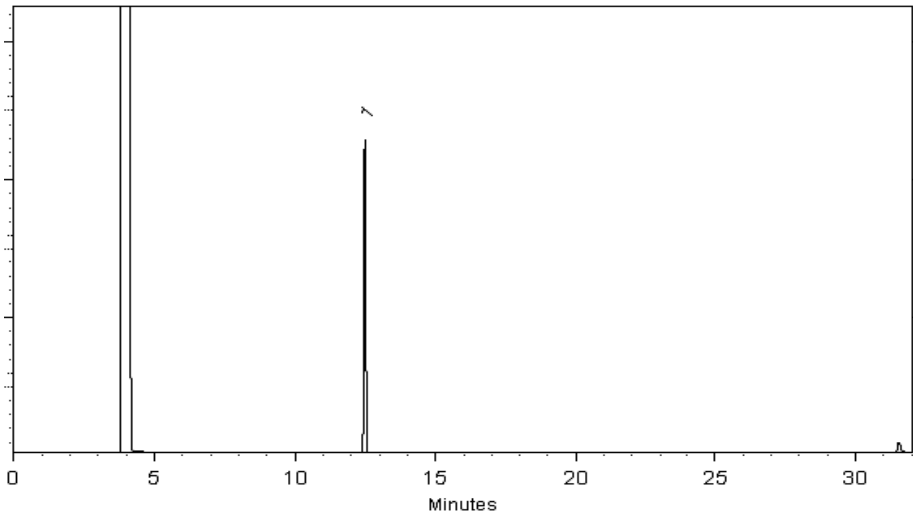
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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_00094

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721 **Lot No.:** 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)

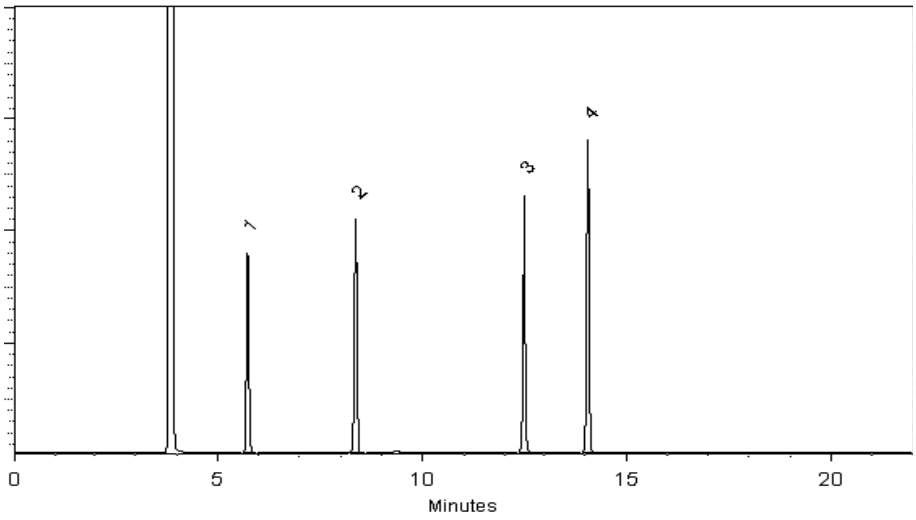
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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:

- 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:

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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.

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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.

Reagent

OP_BEP_NEAT_00004

OR BEP-NEAT-00004

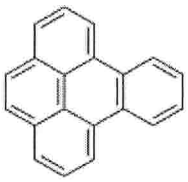
Sigma-Aldrich.

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_BNA_STK_00052

OP-BNA-STK-00052
OP-BNA-SS-00053

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Custom Standard

Product Number: LAN-252

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006730540

Lot Issue Date: 17-Feb-2023

Expiration Date: 31-Mar-2025

2-fluorobiphenyl	100.2	±	0.5 µg/mL	000321-60-8	RM19298
nitrobenzene-d5	100.4	±	0.5 µg/mL	004165-60-0	RM15771
p-terphenyl-d14	100.3	±	0.5 µg/mL	001718-51-0	RM17200
2,4,6-tribromophenol	200.8	±	1.0 µg/mL	000118-79-6	RM10846
2-fluorophenol	200.6	±	1.0 µg/mL	000367-12-4	RM18822
phenol-d6	200.9	±	1.0 µg/mL	013127-88-3	RM15447
benzo[a]pyrene-d12	1.00	±	0.01 µg/mL	063466-71-7	RM18134
fluoranthene-d10	1.00	±	0.01 µg/mL	093951-69-0	RM16531
1-methylnaphthalene-d10	1.00	±	0.01 µg/mL	038072-94-5	RM03607

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Agilent

Trusted Answers

Intended Use:
This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB
ACCREDITED
REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.1

ISO 17025

Reagent

OP_LCSmix2stk_00005

OP-LCSMIX25TK-00005
3
7/2020

RESTEK® CERTIFIED REFERENCE MATERIAL

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Bellefonte, PA 16823-8812
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Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3232.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3232.02

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. : 569732 **Lot No.:** A0179852

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 : June 30, 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	Benzaldehyde	2,000.4 µg/mL	+/- 11.6305	µg/mL	Gravimetric
	CAS # 100-52-7 (Lot SHBJ3062)		+/- 39.9386	µg/mL	Unstressed
	Purity 99%		+/- 89.6444	µg/mL	Stressed
2	epsilon-Caprolactam	2,000.3 µg/mL	+/- 11.6299	µg/mL	Gravimetric
	CAS # 105-60-2 (Lot I16X016)		+/- 39.9366	µg/mL	Unstressed
	Purity 99%		+/- 89.6400	µg/mL	Stressed
3	Atrazine	2,000.6 µg/mL	+/- 11.6317	µg/mL	Gravimetric
	CAS # 1912-24-9 (Lot PI8FG)		+/- 39.9426	µg/mL	Unstressed
	Purity 99%		+/- 89.6534	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

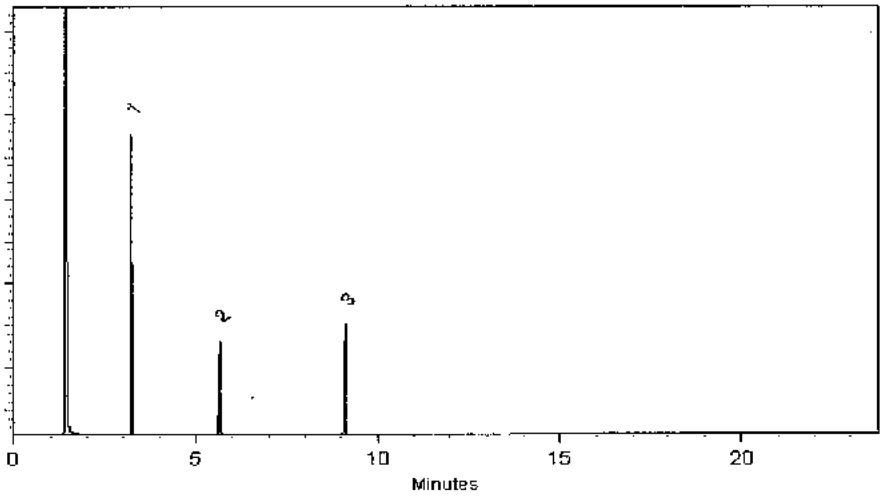
Carrier Gas:
hydrogen–constant pressure 10 psi.

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.

Penelope Riglin - Operations Tech I

Date Mixed: 22-Dec-2021 **Balance:** 1128360905

Merlina Covan - Operations Tech I

Date Passed: 28-Dec-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_NNDIM_NT_00003

UT-NN UHM-M-00003

NDIMETHAN

CHEM SERVICE INC

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

N,N-Dimethylaniline

CATALOG NUMBER	N-12626-1G
LOT NUMBER	13283500
DATE CERTIFIED	07/23/21
EXPIRATION DATE	07/31/25
CAS NUMBER	121-69-7
MOLECULAR FORMULA	C8H11N
MOLECULAR WEIGHT	121.20
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)	98.8
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
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

Reagent

OP_RES_APPX1_00008

OP-RES-APPX1-00008

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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)

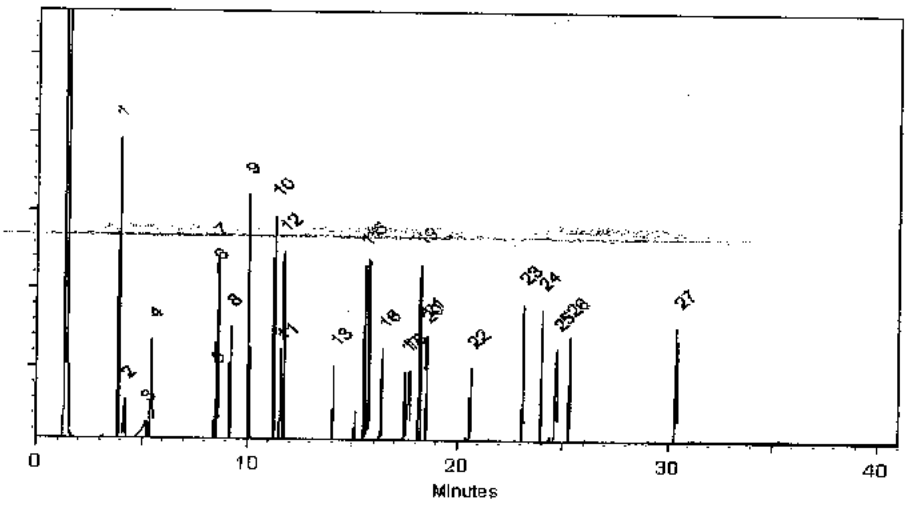
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

OP_RES_APPX1_00009

OP-RES-APPX1-00009

RESTEK

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 570667 **Lot No.:** A0188198

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 : August 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%	1,002.0 µg/mL	+/- 5.9516 µg/mL +/- 12.0397 µg/mL +/- 19.1016 µg/mL	Gravimetric Unstressed Stressed
2	N-Nitrosomethylethylamine **CAS #** 10595-95-6 (Lot 12688600) **Purity** 99%	1,006.7 µg/mL	+/- 5.9793 µg/mL +/- 12.0958 µg/mL +/- 19.1906 µg/mL	Gravimetric Unstressed Stressed
3	Acrylamide **CAS #** 79-06-1 (Lot 01402JA) **Purity** 99%	1,008.7 µg/mL	+/- 5.9912 µg/mL +/- 12.1198 µg/mL +/- 19.2287 µg/mL	Gravimetric Unstressed Stressed
4	N-Nitrosodiethylamine **CAS #** 55-18-5 (Lot UT2EJ) **Purity** 99%	1,008.0 µg/mL	+/- 5.9872 µg/mL +/- 12.1118 µg/mL +/- 19.2160 µg/mL	Gravimetric Unstressed Stressed
5	N-Nitrosopyrrolidine **CAS #** 930-55-2 (Lot 21-JPO-19-1) **Purity** 99%	1,010.0 µg/mL	+/- 5.9991 µg/mL +/- 12.1358 µg/mL +/- 19.2541 µg/mL	Gravimetric Unstressed Stressed
6	o-Toluidine **CAS #** 95-53-4 (Lot 03417PZ) **Purity** 99%	1,006.0 µg/mL	+/- 5.9753 µg/mL +/- 12.0878 µg/mL +/- 19.1779 µg/mL	Gravimetric Unstressed Stressed
7	N-Nitrosomorpholine **CAS #** 59-89-2 (Lot GOJNI) **Purity** 99%	1,007.3 µg/mL	+/- 5.9833 µg/mL +/- 12.1038 µg/mL +/- 19.2033 µg/mL	Gravimetric Unstressed Stressed

8	N-Nitrosopiperidine		1,003.3	µg/mL	+/-	5.9595	µg/mL	Gravimetric
	CAS # 100-75-4	(Lot 12724500)			+/-	12.0557	µg/mL	Unstressed
	Purity 99%				+/-	19.1270	µg/mL	Stressed
9	Phentermine (a,a-Dimethylphenethylamine)		1,006.8	µg/mL	+/-	5.9800	µg/mL	Gravimetric
	CAS # 122-09-8	(Lot 220713RSR)			+/-	12.0972	µg/mL	Unstressed
	Purity 98%				+/-	19.1929	µg/mL	Stressed
10	Quinoline		1,002.0	µg/mL	+/-	5.9516	µg/mL	Gravimetric
	CAS # 91-22-5	(Lot UU6EC)			+/-	12.0397	µg/mL	Unstressed
	Purity 99%				+/-	19.1016	µg/mL	Stressed
11	N-Nitrosodi-n-butylamine		1,009.3	µg/mL	+/-	5.9951	µg/mL	Gravimetric
	CAS # 924-16-3	(Lot 7BSAG)			+/-	12.1278	µg/mL	Unstressed
	Purity 99%				+/-	19.2414	µg/mL	Stressed
12	1,4-Phenylenediamine		1,004.0	µg/mL	+/-	5.9635	µg/mL	Gravimetric
	CAS # 106-50-3	(Lot 13110400)			+/-	12.0637	µg/mL	Unstressed
	Purity 99%				+/-	19.1397	µg/mL	Stressed
13	1,4-Dinitrobenzene		1,007.3	µg/mL	+/-	5.9833	µg/mL	Gravimetric
	CAS # 100-25-4	(Lot STBF8844V)			+/-	12.1038	µg/mL	Unstressed
	Purity 99%				+/-	19.2033	µg/mL	Stressed
14	1-Naphthylamine (1-aminonaphthalene)		1,008.7	µg/mL	+/-	5.9912	µg/mL	Gravimetric
	CAS # 134-32-7	(Lot R7NAN-IP)			+/-	12.1198	µg/mL	Unstressed
	Purity 99%				+/-	19.2287	µg/mL	Stressed
15	2-Naphthylamine (2-aminonaphthalene)		1,005.3	µg/mL	+/-	5.9714	µg/mL	Gravimetric
	CAS # 91-59-8	(Lot 811345)			+/-	12.0797	µg/mL	Unstressed
	Purity 99%				+/-	19.1651	µg/mL	Stressed
16	5-Nitro-o-toluidine		1,006.0	µg/mL	+/-	5.9753	µg/mL	Gravimetric
	CAS # 99-55-8	(Lot H67GL)			+/-	12.0878	µg/mL	Unstressed
	Purity 99%				+/-	19.1779	µg/mL	Stressed
17	1,3,5-Trinitrobenzene		1,004.7	µg/mL	+/-	5.9674	µg/mL	Gravimetric
	CAS # 99-35-4	(Lot A6TDK)			+/-	12.0717	µg/mL	Unstressed
	Purity 99%				+/-	19.1524	µg/mL	Stressed
18	Phenacetin		1,006.0	µg/mL	+/-	5.9753	µg/mL	Gravimetric
	CAS # 62-44-2	(Lot 88F0225)			+/-	12.0878	µg/mL	Unstressed
	Purity 99%				+/-	19.1779	µg/mL	Stressed
19	4-Aminobiphenyl		1,001.3	µg/mL	+/-	5.9476	µg/mL	Gravimetric
	CAS # 92-67-1	(Lot SLBF0806V)			+/-	12.0317	µg/mL	Unstressed
	Purity 99%				+/-	19.0889	µg/mL	Stressed
20	Propyzamide		1,002.7	µg/mL	+/-	5.9555	µg/mL	Gravimetric
	CAS # 23950-58-5	(Lot 13291100)			+/-	12.0477	µg/mL	Unstressed
	Purity 99%				+/-	19.1143	µg/mL	Stressed
21	Pentachloronitrobenzene (quintozene)		1,003.6	µg/mL	+/-	5.9612	µg/mL	Gravimetric
	CAS # 82-68-8	(Lot 12599700)			+/-	12.0592	µg/mL	Unstressed
	Purity 97%				+/-	19.1326	µg/mL	Stressed
22	4-Nitroquinoline-N-oxide		1,002.9	µg/mL	+/-	5.9567	µg/mL	Gravimetric
	CAS # 56-57-5	(Lot WXBD5722V)			+/-	12.0501	µg/mL	Unstressed
	Purity 98%				+/-	19.1181	µg/mL	Stressed
23	p-Dimethylaminoazobenzene		1,005.5	µg/mL	+/-	5.9722	µg/mL	Gravimetric
	CAS # 60-11-7	(Lot BCBP8840V)			+/-	12.0815	µg/mL	Unstressed
	Purity 98%				+/-	19.1679	µg/mL	Stressed

24	3,3'-Dimethylbenzidine (o-tolidine)		1,010.0	µg/mL	+/-	5.9991	µg/mL	Gravimetric
	CAS # 119-93-7	(Lot ELVJM)			+/-	12.1358	µg/mL	Unstressed
	Purity 99%				+/-	19.2541	µg/mL	Stressed
25	2-Acetylaminofluorene		1,004.0	µg/mL	+/-	5.9635	µg/mL	Gravimetric
	CAS # 53-96-3	(Lot WZDQE)			+/-	12.0637	µg/mL	Unstressed
	Purity 99%				+/-	19.1397	µg/mL	Stressed
26	4,4'-Methylene-bis(2-chloroaniline)		1,008.2	µg/mL	+/-	5.9881	µg/mL	Gravimetric
	CAS # 101-14-4	(Lot RP220422)			+/-	12.1136	µg/mL	Unstressed
	Purity 97%				+/-	19.2189	µg/mL	Stressed
27	Dibenz(a,h)acridine		1,006.7	µg/mL	+/-	5.9793	µg/mL	Gravimetric
	CAS # 226-36-8	(Lot 012016)			+/-	12.0958	µg/mL	Unstressed
	Purity 99%				+/-	19.1906	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

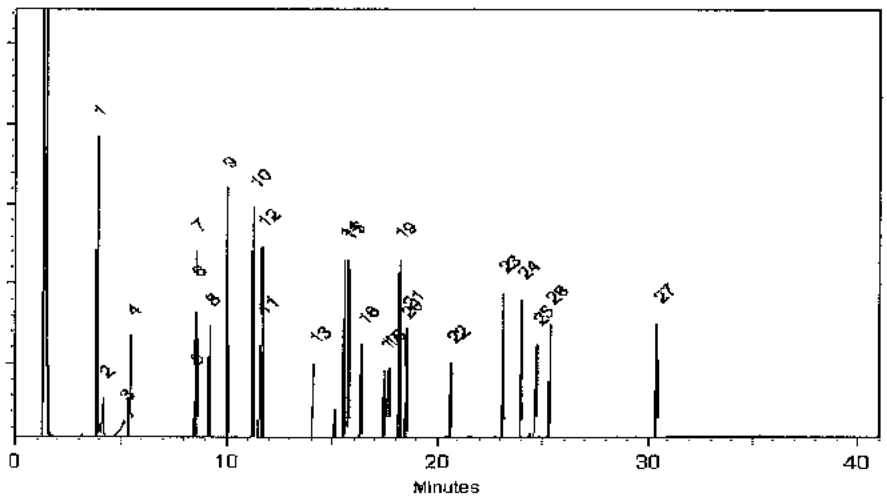
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 - Mix Technician

Date Mixed: 04-Aug-2022 **Balance:** 1128360905

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.

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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.
- 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.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

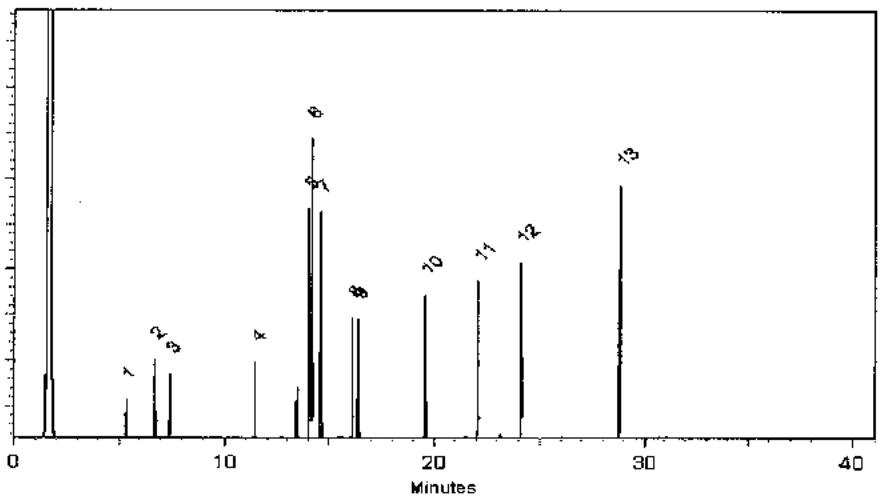
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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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.:** A0193498

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 : January 31, 2024 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl methanesulfonate	66-27-3	MKCM5645	99%	1,001.3 µg/mL	+/- 22.9875
2	Ethyl methanesulfonate	62-50-0	H6VUB	99%	1,002.7 µg/mL	+/- 23.0181
3	Pentachloroethane	76-01-7	13550700	97%	999.7 µg/mL	+/- 22.9511
4	Hexachloropropene	1888-71-7	44391/3	99%	1,007.3 µg/mL	+/- 23.1253
5	Isosafrole (cis & trans) 16% cis; 84% trans	120-58-1	MKBZ0058V	97%	1,001.7 µg/mL	+/- 22.9956
6	1-Chloronaphthalene	90-13-1	K2OBC	99%	1,000.0 µg/mL	+/- 22.9569
7	1,4-Naphthoquinone	130-15-4	13230700	99%	1,006.0 µg/mL	+/- 23.0947
8	Pentachlorobenzene	608-93-5	MKCD4132	99%	1,006.7 µg/mL	+/- 23.1100
9	2,3,5,6-Tetrachlorophenol	935-95-5	012016	99%	1,005.3 µg/mL	+/- 23.0794
10	Dinoseb	88-85-7	50001	99%	1,000.0 µg/mL	+/- 22.9569
11	Isodrin	465-73-6	13728400	98%	1,000.3 µg/mL	+/- 22.9627
12	Chlorobenzilate	510-15-6	13562500	97%	1,003.6 µg/mL	+/- 23.0402
13	7,12-Dimethylbenz(a)anthracene	57-97-6	QXLNC	99%	1,000.0 µg/mL	+/- 22.9569

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

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10273)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

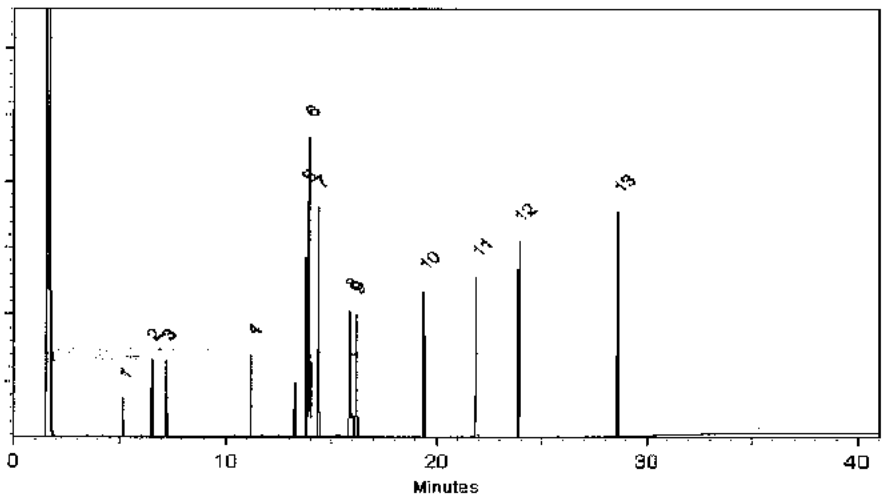
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
0.2µl



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

Russ Bookhamer - Operations Technician I **Date Mixed:** 12-Jan-2023 **Balance Serial #** B442140311

Christie Mills - Operations Tech II - ARM QC **Date Passed:** 16-Jan-2023

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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 ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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OP-RESA883-00006

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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)

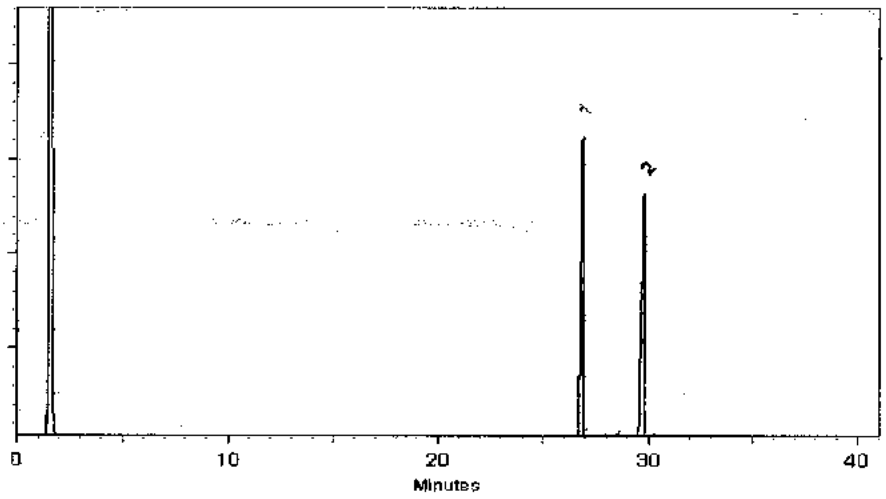
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

OP_RES_APPX4_00007

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)

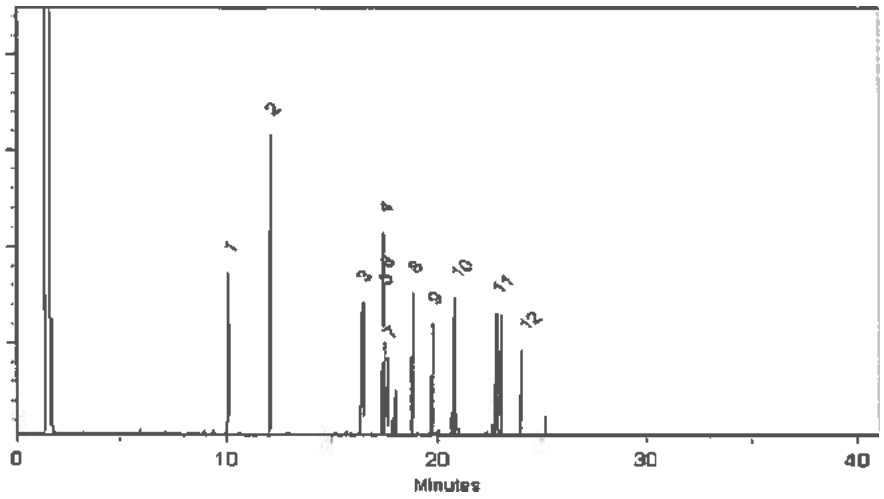
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 - Mix 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_APPX4_00008

OP_RES-APX4-00008

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 567681 **Lot No.:** A0193163

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, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o,o,o-Triethyl phosphorothioate	126-68-1	2-KRR-57-1	98%	1,007.1 µg/mL	+/- 45.9677
2	Safrole	94-59-7	322225/11292	99%	1,001.7 µg/mL	+/- 45.7191
3	Zinophos (thionazine)	297-97-2	13866700	99%	1,009.3 µg/mL	+/- 46.0690
4	Sulfotepp	3689-24-5	13969000	96%	1,003.5 µg/mL	+/- 45.8037
5	Diallate (cis and trans) 74% cis-Diallate; 26% trans-Diallate	2303-16-4	13469800	98%	1,001.6 µg/mL	+/- 45.7142
6	Phorate	298-02-2	13939400	99%	1,000.0 µg/mL	+/- 45.6430
7	Dimethoate	60-51-5	13597200	99%	1,003.3 µg/mL	+/- 45.7952
8	Disulfoton	298-04-4	13839400	98%	1,002.9 µg/mL	+/- 45.7739
9	Methyl parathion	298-00-0	13855300	99%	1,008.3 µg/mL	+/- 46.0234
10	Parathion (Ethyl parathion)	56-38-2	13836200	99%	1,007.3 µg/mL	+/- 45.9778
11	Aramite 6% Isomer 1; 6% Isomer 2; 42% Isomer 3; 46% Isomer 4	140-57-8	13721500	76%	1,004.5 µg/mL	+/- 45.8469
12	Famphur	52-85-7	13419800	98%	1,007.4 µg/mL	+/- 45.9826

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

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

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.)

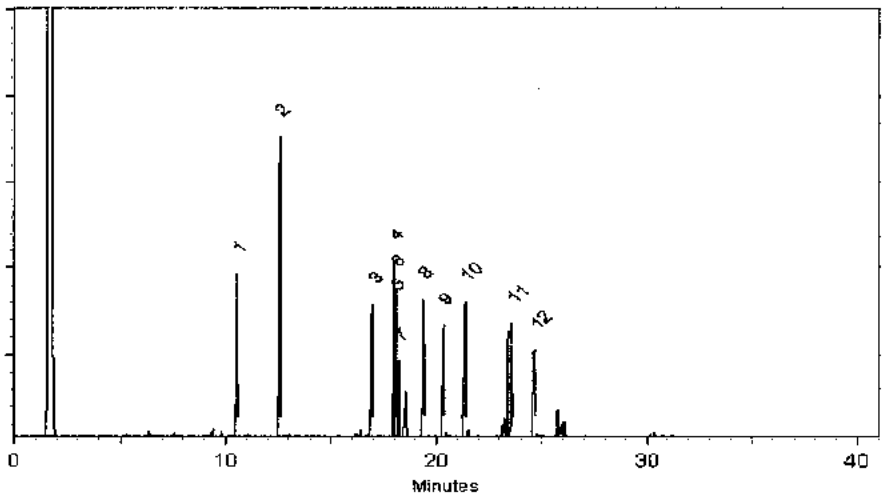
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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 Creighead - Mix Technician

Date Mixed: 03-Jan-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Jan-2023

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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 ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_RES_APPX6_00004

OP-RES-APPX6-00004
STN133426B

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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)

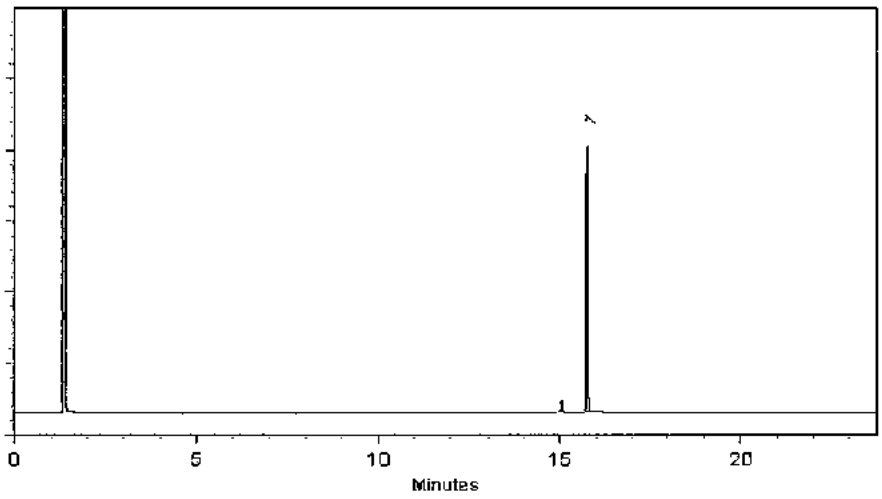
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

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. : 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_LCS1_00011

OP-RES-L691-00011

RESTEK
110 Benner Circle
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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. : 571995 **Lot No.:** A0190414

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 : April 30, 2024 **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 **CAS #** 123-91-1 **Purity** 99%	(Lot SHBN3770)	1,003.3	µg/mL	+/- 5.8469 +/- 12.0005 +/- 19.0922	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	N-Nitrosodimethylamine **CAS #** 62-75-9 **Purity** 99%	(Lot 220624JLM)	1,006.7	µg/mL	+/- 5.8664 +/- 12.0403 +/- 19.1557	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Pyridine **CAS #** 110-86-1 **Purity** 99%	(Lot SHBN7324)	2,011.7	µg/mL	+/- 11.6960 +/- 24.0476 +/- 38.2714	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Phenol **CAS #** 108-95-2 **Purity** 99%	(Lot MKCK1120)	1,006.3	µg/mL	+/- 5.8644 +/- 12.0364 +/- 19.1493	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Aniline **CAS #** 62-53-3 **Purity** 99%	(Lot X22F726)	1,004.7	µg/mL	+/- 5.8547 +/- 12.0164 +/- 19.1176	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Bis(2-chloroethyl)ether **CAS #** 111-44-4 **Purity** 99%	(Lot SHBL6942)	1,004.0	µg/mL	+/- 5.8508 +/- 12.0084 +/- 19.1049	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	n-Decane (C10) **CAS #** 124-18-5 **Purity** 99%	(Lot SHBN8619)	1,007.2	µg/mL	+/- 5.8693 +/- 12.0463 +/- 19.1652	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	2-Chlorophenol		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 95-57-8	(Lot STBH7290)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
9	1,3-Dichlorobenzene		1,003.0	µg/mL	+/-	5.8450	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCCD5315)			+/-	11.9965	µg/mL	Unstressed
	Purity 99%				+/-	19.0859	µg/mL	Stressed
10	1,4-Dichlorobenzene		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
11	Benzyl alcohol		1,003.3	µg/mL	+/-	5.8469	µg/mL	Gravimetric
	CAS # 100-51-6	(Lot SHBK5943)			+/-	12.0005	µg/mL	Unstressed
	Purity 99%				+/-	19.0922	µg/mL	Stressed
12	1,2-Dichlorobenzene		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBN3835)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
13	2-Methylphenol (o-cresol)		1,005.2	µg/mL	+/-	5.8576	µg/mL	Gravimetric
	CAS # 95-48-7	(Lot SHBN7598)			+/-	12.0224	µg/mL	Unstressed
	Purity 99%				+/-	19.1271	µg/mL	Stressed
14	2,2'-oxybis(1-chloropropane)		1,006.7	µg/mL	+/-	5.8664	µg/mL	Gravimetric
	CAS # 108-60-1	(Lot 12549200)			+/-	12.0403	µg/mL	Unstressed
	Purity 99%				+/-	19.1557	µg/mL	Stressed
15	Acetophenone		1,005.0	µg/mL	+/-	5.8567	µg/mL	Gravimetric
	CAS # 98-86-2	(Lot STBH8205)			+/-	12.0204	µg/mL	Unstressed
	Purity 99%				+/-	19.1240	µg/mL	Stressed
16	3-Methylphenol (m-cresol)		503.7	µg/mL	+/-	2.9351	µg/mL	Gravimetric
	CAS # 108-39-4	(Lot STBJ0710)			+/-	6.0242	µg/mL	Unstressed
	Purity 99%				+/-	9.5842	µg/mL	Stressed
17	4-Methylphenol (p-cresol)		503.0	µg/mL	+/-	2.9312	µg/mL	Gravimetric
	CAS # 106-44-5	(Lot SHBN1151)			+/-	6.0162	µg/mL	Unstressed
	Purity 99%				+/-	9.5715	µg/mL	Stressed
18	N-Nitroso-di-n-propylamine		1,002.7	µg/mL	+/-	5.8431	µg/mL	Gravimetric
	CAS # 621-64-7	(Lot 2D5VJ)			+/-	11.9925	µg/mL	Unstressed
	Purity 99%				+/-	19.0796	µg/mL	Stressed
19	Hexachloroethane		1,003.3	µg/mL	+/-	5.8469	µg/mL	Gravimetric
	CAS # 67-72-1	(Lot QTORH)			+/-	12.0005	µg/mL	Unstressed
	Purity 99%				+/-	19.0922	µg/mL	Stressed
20	Nitrobenzene		1,005.8	µg/mL	+/-	5.8615	µg/mL	Gravimetric
	CAS # 98-95-3	(Lot 10224044)			+/-	12.0304	µg/mL	Unstressed
	Purity 99%				+/-	19.1398	µg/mL	Stressed
21	Isophorone		1,004.3	µg/mL	+/-	5.8528	µg/mL	Gravimetric
	CAS # 78-59-1	(Lot MKCC9506)			+/-	12.0124	µg/mL	Unstressed
	Purity 99%				+/-	19.1113	µg/mL	Stressed
22	2-Nitrophenol		1,003.2	µg/mL	+/-	5.8460	µg/mL	Gravimetric
	CAS # 88-75-5	(Lot BCCB2407)			+/-	11.9985	µg/mL	Unstressed
	Purity 99%				+/-	19.0891	µg/mL	Stressed
23	2,4-Dimethylphenol		1,002.8	µg/mL	+/-	5.8440	µg/mL	Gravimetric
	CAS # 105-67-9	(Lot XW5GK)			+/-	11.9945	µg/mL	Unstressed
	Purity 99%				+/-	19.0827	µg/mL	Stressed

24	Bis(2-chloroethoxy)methane		1,007.5	µg/mL	+/- 5.8712	µg/mL	Gravimetric
	CAS # 111-91-1	(Lot 13670200)			+/- 12.0503	µg/mL	Unstressed
	Purity 99%				+/- 19.1715	µg/mL	Stressed
25	2,4-Dichlorophenol		1,002.2	µg/mL	+/- 5.8401	µg/mL	Gravimetric
	CAS # 120-83-2	(Lot BCBZ6787)			+/- 11.9865	µg/mL	Unstressed
	Purity 99%				+/- 19.0700	µg/mL	Stressed
26	1,2,4-Trichlorobenzene		1,003.7	µg/mL	+/- 5.8489	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/- 12.0045	µg/mL	Unstressed
	Purity 99%				+/- 19.0986	µg/mL	Stressed
27	Naphthalene		1,003.3	µg/mL	+/- 5.8469	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/- 12.0005	µg/mL	Unstressed
	Purity 99%				+/- 19.0922	µg/mL	Stressed
28	2,6-Dichlorophenol		1,007.7	µg/mL	+/- 5.8722	µg/mL	Gravimetric
	CAS # 87-65-0	(Lot MKCP7682)			+/- 12.0523	µg/mL	Unstressed
	Purity 99%				+/- 19.1747	µg/mL	Stressed
29	4-Chloroaniline		1,007.7	µg/mL	+/- 5.8722	µg/mL	Gravimetric
	CAS # 106-47-8	(Lot H24K)			+/- 12.0523	µg/mL	Unstressed
	Purity 99%				+/- 19.1747	µg/mL	Stressed
30	Hexachlorobutadiene		1,004.0	µg/mL	+/- 5.8508	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot X05J)			+/- 12.0084	µg/mL	Unstressed
	Purity 99%				+/- 19.1049	µg/mL	Stressed
31	4-Chloro-3-methylphenol		1,002.3	µg/mL	+/- 5.8411	µg/mL	Gravimetric
	CAS # 59-50-7	(Lot BCCD4461)			+/- 11.9885	µg/mL	Unstressed
	Purity 99%				+/- 19.0732	µg/mL	Stressed
32	2-Methylnaphthalene		1,009.1	µg/mL	+/- 5.8807	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBK0259)			+/- 12.0697	µg/mL	Unstressed
	Purity 96%				+/- 19.2024	µg/mL	Stressed
33	1-Methylnaphthalene		1,004.2	µg/mL	+/- 5.8518	µg/mL	Gravimetric
	CAS # 90-12-0	(Lot 5234.00-3)			+/- 12.0104	µg/mL	Unstressed
	Purity 99%				+/- 19.1081	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene		1,007.3	µg/mL	+/- 5.8703	µg/mL	Gravimetric
	CAS # 95-94-3	(Lot 13278000)			+/- 12.0483	µg/mL	Unstressed
	Purity 99%				+/- 19.1684	µg/mL	Stressed
35	Hexachlorocyclopentadiene		1,003.3	µg/mL	+/- 5.8469	µg/mL	Gravimetric
	CAS # 77-47-4	(Lot 0012019)			+/- 12.0005	µg/mL	Unstressed
	Purity 99%				+/- 19.0922	µg/mL	Stressed
36	2,4,6-Trichlorophenol		1,004.7	µg/mL	+/- 5.8547	µg/mL	Gravimetric
	CAS # 88-06-2	(Lot STBJ5914)			+/- 12.0164	µg/mL	Unstressed
	Purity 99%				+/- 19.1176	µg/mL	Stressed
37	2,4,5-Trichlorophenol		1,006.8	µg/mL	+/- 5.8671	µg/mL	Gravimetric
	CAS # 95-95-4	(Lot FHN01)			+/- 12.0418	µg/mL	Unstressed
	Purity 98%				+/- 19.1580	µg/mL	Stressed
38	2-Chloronaphthalene		1,007.0	µg/mL	+/- 5.8683	µg/mL	Gravimetric
	CAS # 91-58-7	(Lot RPN7O)			+/- 12.0443	µg/mL	Unstressed
	Purity 99%				+/- 19.1620	µg/mL	Stressed
39	Biphenyl		1,003.7	µg/mL	+/- 5.8489	µg/mL	Gravimetric
	CAS # 92-52-4	(Lot MKCL6515)			+/- 12.0045	µg/mL	Unstressed
	Purity 99%				+/- 19.0986	µg/mL	Stressed

40	2-Nitroaniline		1,003.7	µg/mL	+/-	5.8489	µg/mL	Gravimetric
	CAS # 88-74-4	(Lot MKCJ8895)			+/-	12.0045	µg/mL	Unstressed
	Purity 99%				+/-	19.0986	µg/mL	Stressed
41	Acenaphthylene		1,004.2	µg/mL	+/-	5.8518	µg/mL	Gravimetric
	CAS # 208-96-8	(Lot Q24W)			+/-	12.0104	µg/mL	Unstressed
	Purity 96%				+/-	19.1080	µg/mL	Stressed
42	1,3-Dinitrobenzene		1,002.7	µg/mL	+/-	5.8431	µg/mL	Gravimetric
	CAS # 99-65-0	(Lot 1-DXX-24-1)			+/-	11.9925	µg/mL	Unstressed
	Purity 99%				+/-	19.0796	µg/mL	Stressed
43	Dimethylphthalate		1,008.0	µg/mL	+/-	5.8741	µg/mL	Gravimetric
	CAS # 131-11-3	(Lot 10117699)			+/-	12.0563	µg/mL	Unstressed
	Purity 99%				+/-	19.1811	µg/mL	Stressed
44	2,6-Dinitrotoluene		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 606-20-2	(Lot BCCG1833)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
45	3-Nitroaniline		1,008.7	µg/mL	+/-	5.8780	µg/mL	Gravimetric
	CAS # 99-09-2	(Lot MKCH5457)			+/-	12.0643	µg/mL	Unstressed
	Purity 99%				+/-	19.1937	µg/mL	Stressed
46	Acenaphthene		1,000.0	µg/mL	+/-	5.8275	µg/mL	Gravimetric
	CAS # 83-32-9	(Lot MKCQ4733)			+/-	11.9606	µg/mL	Unstressed
	Purity 99%				+/-	19.0288	µg/mL	Stressed
47	2,4-Dinitrophenol		2,016.3	µg/mL	+/-	11.7231	µg/mL	Gravimetric
	CAS # 51-28-5	(Lot STBK5145-DR3)			+/-	24.1034	µg/mL	Unstressed
	Purity 99%				+/-	38.3602	µg/mL	Stressed
48	Dibenzofuran		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 132-64-9	(Lot MKCN1772)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
49	4-Nitrophenol		2,007.5	µg/mL	+/-	11.6718	µg/mL	Gravimetric
	CAS # 100-02-7	(Lot MKCN1089)			+/-	23.9978	µg/mL	Unstressed
	Purity 99%				+/-	38.1921	µg/mL	Stressed
50	2,4-Dinitrotoluene		1,003.8	µg/mL	+/-	5.8499	µg/mL	Gravimetric
	CAS # 121-14-2	(Lot MKAA0690V)			+/-	12.0065	µg/mL	Unstressed
	Purity 99%				+/-	19.1018	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol		1,002.7	µg/mL	+/-	5.8431	µg/mL	Gravimetric
	CAS # 58-90-2	(Lot PR-30126)			+/-	11.9925	µg/mL	Unstressed
	Purity 99%				+/-	19.0796	µg/mL	Stressed
52	Fluorene		1,006.8	µg/mL	+/-	5.8673	µg/mL	Gravimetric
	CAS # 86-73-7	(Lot 094650L18G)			+/-	12.0423	µg/mL	Unstressed
	Purity 99%				+/-	19.1588	µg/mL	Stressed
53	n-Hexadecane (C16)		1,004.8	µg/mL	+/-	5.8556	µg/mL	Gravimetric
	CAS # 544-76-3	(Lot SHBM4146)			+/-	12.0183	µg/mL	Unstressed
	Purity 98%				+/-	19.1207	µg/mL	Stressed
54	Diethylphthalate		1,008.2	µg/mL	+/-	5.8751	µg/mL	Gravimetric
	CAS # 84-66-2	(Lot BCCD3396)			+/-	12.0583	µg/mL	Unstressed
	Purity 99%				+/-	19.1842	µg/mL	Stressed
55	4-Chlorophenyl phenyl ether		1,005.2	µg/mL	+/-	5.8576	µg/mL	Gravimetric
	CAS # 7005-72-3	(Lot MKCQ0984)			+/-	12.0224	µg/mL	Unstressed
	Purity 99%				+/-	19.1271	µg/mL	Stressed

56	4-Nitroaniline		1,005.5	µg/mL	+/-	5.8596	µg/mL	Gravimetric
	CAS # 100-01-6	(Lot RP220906)			+/-	12.0264	µg/mL	Unstressed
	Purity 99%				+/-	19.1335	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,012.0	µg/mL	+/-	11.6979	µg/mL	Gravimetric
	CAS # 534-52-1	(Lot RP220915)			+/-	24.0516	µg/mL	Unstressed
	Purity 99%				+/-	38.2777	µg/mL	Stressed
58	Diphenylamine		853.5	µg/mL	+/-	4.9738	µg/mL	Gravimetric
	CAS # 122-39-4	(Lot MKCH1042)			+/-	10.2084	µg/mL	Unstressed
	Purity 99%				+/-	16.2411	µg/mL	Stressed
59	Azobenzene		1,001.8	µg/mL	+/-	5.8382	µg/mL	Gravimetric
	CAS # 103-33-3	(Lot BCCC9136)			+/-	11.9825	µg/mL	Unstressed
	Purity 99%				+/-	19.0637	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,007.2	µg/mL	+/-	5.8693	µg/mL	Gravimetric
	CAS # 101-55-3	(Lot STBH6361)			+/-	12.0463	µg/mL	Unstressed
	Purity 99%				+/-	19.1652	µg/mL	Stressed
61	Hexachlorobenzene		1,006.0	µg/mL	+/-	5.8625	µg/mL	Gravimetric
	CAS # 118-74-1	(Lot 13562400)			+/-	12.0324	µg/mL	Unstressed
	Purity 99%				+/-	19.1430	µg/mL	Stressed
62	Pentachlorophenol		2,016.7	µg/mL	+/-	11.7251	µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 211229RSR)			+/-	24.1074	µg/mL	Unstressed
	Purity 99%				+/-	38.3665	µg/mL	Stressed
63	n-Octadecane (C18)		1,007.4	µg/mL	+/-	5.8709	µg/mL	Gravimetric
	CAS # 593-45-3	(Lot UE5NG)			+/-	12.0496	µg/mL	Unstressed
	Purity 98%				+/-	19.1704	µg/mL	Stressed
64	Phenanthrene		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 85-01-8	(Lot MKCQ2033)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
65	Anthracene		1,004.2	µg/mL	+/-	5.8518	µg/mL	Gravimetric
	CAS # 120-12-7	(Lot MKCP3968)			+/-	12.0104	µg/mL	Unstressed
	Purity 99%				+/-	19.1081	µg/mL	Stressed
66	Carbazole		1,002.8	µg/mL	+/-	5.8440	µg/mL	Gravimetric
	CAS # 86-74-8	(Lot 13058900)			+/-	11.9945	µg/mL	Unstressed
	Purity 99%				+/-	19.0827	µg/mL	Stressed
67	Di-n-butylphthalate		1,001.2	µg/mL	+/-	5.8343	µg/mL	Gravimetric
	CAS # 84-74-2	(Lot MKCN4337)			+/-	11.9746	µg/mL	Unstressed
	Purity 99%				+/-	19.0510	µg/mL	Stressed
68	Fluoranthene		1,005.8	µg/mL	+/-	5.8615	µg/mL	Gravimetric
	CAS # 206-44-0	(Lot MKCQ4728)			+/-	12.0304	µg/mL	Unstressed
	Purity 99%				+/-	19.1398	µg/mL	Stressed
69	Pyrene		1,006.7	µg/mL	+/-	5.8664	µg/mL	Gravimetric
	CAS # 129-00-0	(Lot BCCG7845)			+/-	12.0403	µg/mL	Unstressed
	Purity 99%				+/-	19.1557	µg/mL	Stressed
70	Benzyl butyl phthalate		1,008.5	µg/mL	+/-	5.8771	µg/mL	Gravimetric
	CAS # 85-68-7	(Lot MKCN9008)			+/-	12.0623	µg/mL	Unstressed
	Purity 99%				+/-	19.1906	µg/mL	Stressed
71	Benz(a)anthracene		1,001.9	µg/mL	+/-	5.8387	µg/mL	Gravimetric
	CAS # 56-55-3	(Lot RP220209)			+/-	11.9836	µg/mL	Unstressed
	Purity 96%				+/-	19.0654	µg/mL	Stressed

72	Chrysene		1,007.0	µg/mL	+/-	5.8683	µg/mL	Gravimetric
	CAS # 218-01-9	(Lot 468677L08C)			+/-	12.0443	µg/mL	Unstressed
	Purity 99%				+/-	19.1620	µg/mL	Stressed
73	Bis(2-ethylhexyl)phthalate		1,004.7	µg/mL	+/-	5.8547	µg/mL	Gravimetric
	CAS # 117-81-7	(Lot MKCQ3468)			+/-	12.0164	µg/mL	Unstressed
	Purity 99%				+/-	19.1176	µg/mL	Stressed
74	Di-n-octyl phthalate		1,006.5	µg/mL	+/-	5.8654	µg/mL	Gravimetric
	CAS # 117-84-0	(Lot 13651900)			+/-	12.0383	µg/mL	Unstressed
	Purity 99%				+/-	19.1525	µg/mL	Stressed
75	Benzo(b)fluoranthene		1,001.3	µg/mL	+/-	5.8353	µg/mL	Gravimetric
	CAS # 205-99-2	(Lot 012022B)			+/-	11.9765	µg/mL	Unstressed
	Purity 99%				+/-	19.0542	µg/mL	Stressed
76	Benzo(k)fluoranthene		1,005.7	µg/mL	+/-	5.8605	µg/mL	Gravimetric
	CAS # 207-08-9	(Lot 012022K)			+/-	12.0284	µg/mL	Unstressed
	Purity 99%				+/-	19.1367	µg/mL	Stressed
77	Benzo(a)pyrene		1,004.7	µg/mL	+/-	5.8547	µg/mL	Gravimetric
	CAS # 50-32-8	(Lot Z8BKF)			+/-	12.0164	µg/mL	Unstressed
	Purity 99%				+/-	19.1176	µg/mL	Stressed
78	Indeno(1,2,3-cd)pyrene		1,002.5	µg/mL	+/-	5.8421	µg/mL	Gravimetric
	CAS # 193-39-5	(Lot 8-URV-39-3)			+/-	11.9905	µg/mL	Unstressed
	Purity 99%				+/-	19.0764	µg/mL	Stressed
79	Dibenz(a,h)anthracene		1,007.3	µg/mL	+/-	5.8703	µg/mL	Gravimetric
	CAS # 53-70-3	(Lot ER032211-01)			+/-	12.0483	µg/mL	Unstressed
	Purity 99%				+/-	19.1684	µg/mL	Stressed
80	Benzo(g,h,i)perylene		1,003.4	µg/mL	+/-	5.8471	µg/mL	Gravimetric
	CAS # 191-24-2	(Lot PMEVE)			+/-	12.0008	µg/mL	Unstressed
	Purity 98%				+/-	19.0927	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

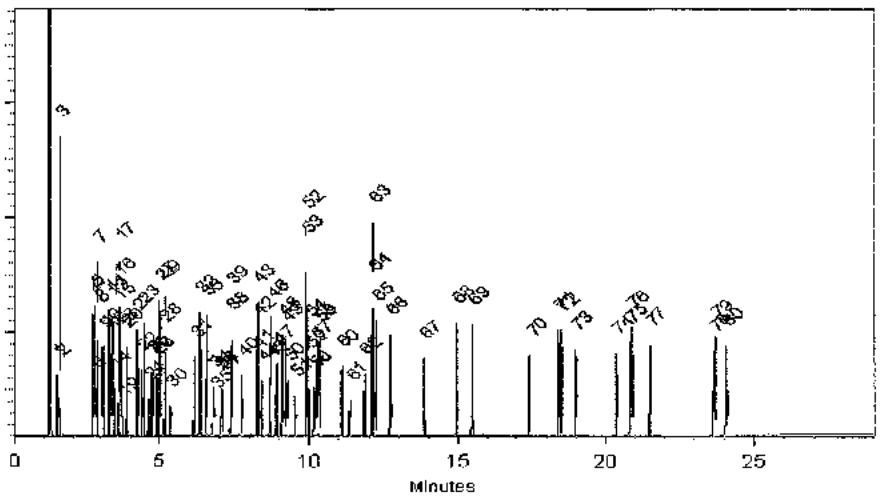
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

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: 10-Oct-2022 **Balance:** B442140311

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 17-Oct-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

OP_RES_LCS2_00008

OP-RES-LCS2-00008

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

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. : 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 +/- 24.0277 +/- 38.2397	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	3,3'-Dichlorobenzidine **CAS #** 91-94-1 **Purity** 98% (Lot 220202JLM)	2,000.0 µg/mL	+/- 11.6281 +/- 23.9079 +/- 38.0491	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

OP_RES_LCS2_00009

OR RBS-LCS2-00009

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569730 **Lot No.:** A0188589

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 : February 29, 2024 **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 (Lot 220511RSR) **Purity** 99%	2,002.5 µg/mL	+/- 11.6427 µg/mL +/- 23.9380 µg/mL +/- 38.0970 µg/mL		Gravimetric Unstressed Stressed
2	3,3'-Dichlorobenzidine **CAS #** 91-94-1 (Lot 220223RSR) **Purity** 99%	2,002.9 µg/mL	+/- 11.6449 µg/mL +/- 23.9425 µg/mL +/- 38.1041 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)

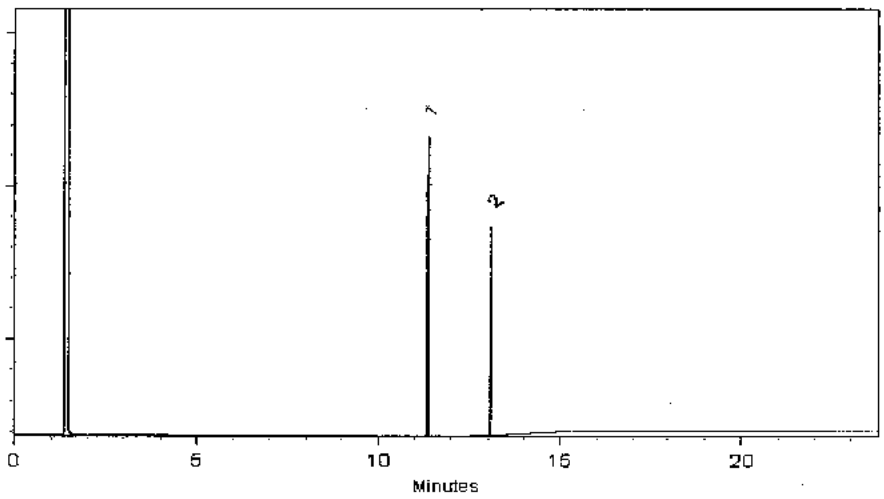
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.

Cathleen Soltis - Mix Technician

Date Mixed: 16-Aug-2022 **Balance:** B442140311

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Aug-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

OP_RES_LCS3_00005

OP-RES-LCS3-00005

RESTEK® CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

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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. : 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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Bellefonte, PA 16823-8812
Tel: (800)356-1688
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)

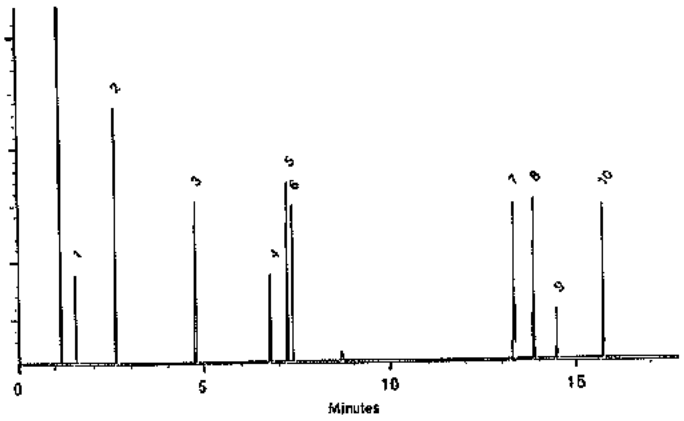
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

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.

Reagent

OP_RES_LCSadd_00003

OP-RES-LCSadd-00003

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3322.01

ilac-MRA 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. : 576938 **Lot No.:** A0194427

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 : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	N,N-Dimethylformamide	68-12-2	SHBM2285	99%	2,002.5 µg/mL	+/- 89.4802
2	alpha-Methylstyrene	98-83-9	MKBS2502V	99%	2,003.0 µg/mL	+/- 89.5026
3	a-Terpineol	98-55-5	RP221122N	96%	2,008.6 µg/mL	+/- 89.7510
4	2,3-Dichloroaniline	608-27-5	11518TI	99%	2,002.5 µg/mL	+/- 89.4802
5	n-Tetradecane (C14)	629-59-4	STBK2282	99%	2,002.6 µg/mL	+/- 89.4825
6	Diphenyl ether	101-84-8	SHBP8623	99%	2,002.7 µg/mL	+/- 89.4892
7	1-Methylphenanthrene	832-69-9	14026400	99%	2,003.3 µg/mL	+/- 89.5149
8	n-Eicosane (C20)	112-95-8	MKCN8767	97%	2,004.3 µg/mL	+/- 89.5611
9	Octachlorostyrene	29082-74-4	803929	99%	2,001.5 µg/mL	+/- 89.4333
10	n-Docosane (C22)	629-97-0	MKCQ3882	99%	2,002.6 µg/mL	+/- 89.4813

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

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

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.)

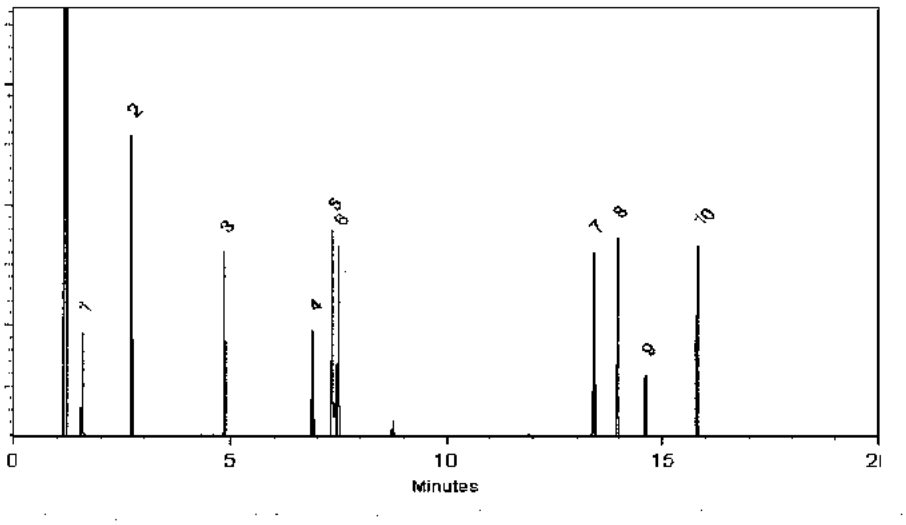
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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:** 07-Feb-2023 — **Balance Serial #** 1128360905

Christie Mills - Operations Tech II - ARM QC — **Date Passed:** 15-Feb-2023

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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 ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-127407-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): R-624SilMS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
FBS010_052023	410-127407-1	103	104	99	99
Dup-01_052023	410-127407-2	103	105	99	100
FBW001_052023	410-127407-3	104	104	98	98
FB-01_052023	410-127407-4	105	106	96	99
Trip Blank-01_052023	410-127407-5	105	108	98	101
	MB 410-380934/7	102	105	98	101
	LCS 410-380934/4	101	102	101	100
	LCSD 410-380934/5	102	101	101	101
FBW001-MS_052023 MS	410-127407-3 MS	103	105	100	98
FBW001-MSD_052023 MSD	410-127407-3 MSD	103	107	101	100

	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4Y30X03.D

Lab ID: LCS 410-380934/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	18.7	94	67-126	
1,1,2,2-Tetrachloroethane	20.0	19.8	99	72-120	
1,1,2-Trichloroethane	20.0	20.2	101	80-120	
1,1-Dichloroethane	20.0	21.0	105	80-120	
1,1-Dichloroethene	20.0	20.3	101	80-131	
1,2,4-Trichlorobenzene	20.0	21.3	106	63-120	
1,2,4-Trimethylbenzene	20.0	19.0	95	75-120	
1,2-Dibromo-3-Chloropropane	20.0	18.0	90	47-131	
1,2-Dibromoethane	20.0	19.9	100	77-120	
1,2-Dichlorobenzene	20.0	19.3	96	80-120	
1,2-Dichloroethane	20.0	18.0	90	73-124	
1,2-Dichloropropane	20.0	21.0	105	80-120	
1,3,5-Trimethylbenzene	20.0	19.0	95	75-120	
1,3-Dichlorobenzene	20.0	19.6	98	80-120	
1,4-Dichlorobenzene	20.0	20.4	102	80-120	
2-Butanone	250	255	102	59-135	
2-Hexanone	250	267	107	56-135	
4-Methyl-2-pentanone	250	260	104	62-133	
Acetone	250	261	104	54-157	
Benzene	20.0	21.5	107	80-120	
Bromodichloromethane	20.0	19.3	96	71-120	
Bromoform	20.0	19.8	99	51-120	
Bromomethane	20.0	18.9	94	53-128	
Carbon disulfide	20.0	22.6	113	65-128	
Carbon tetrachloride	20.0	19.2	96	64-134	
Chlorobenzene	20.0	19.9	100	80-120	
Chloroethane	20.0	19.4	97	55-123	
Chloroform	20.0	19.6	98	80-120	
Chloromethane	20.0	17.5	87	56-121	
cis-1,2-Dichloroethene	20.0	21.6	108	80-125	
cis-1,3-Dichloropropene	20.0	18.8	94	75-120	
Cyclohexane	20.0	20.2	101	68-126	
Dibromochloromethane	20.0	20.4	102	71-120	
Dichlorodifluoromethane	20.0	13.0	65	41-127	
Ethylbenzene	20.0	19.9	100	80-120	
Freon 113	20.0	20.1	100	73-139	
Isopropylbenzene	20.0	20.5	102	80-120	
Methyl acetate	20.0	24.1	120	54-136	
Methyl tertiary butyl ether	20.0	20.6	103	69-122	
Methylcyclohexane	20.0	19.8	99	67-121	
Methylene Chloride	20.0	21.5	108	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4Y30X03.D

Lab ID: LCS 410-380934/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Styrene	20.0	19.8	99	80-120	
Tetrachloroethene	20.0	19.9	99	80-120	
Toluene	20.0	20.6	103	80-120	
trans-1,2-Dichloroethene	20.0	21.0	105	80-126	
trans-1,3-Dichloropropene	20.0	19.1	95	67-120	
Trichloroethene	20.0	19.6	98	80-120	
Trichlorofluoromethane	20.0	14.9	75	55-135	
Vinyl chloride	20.0	17.8	89	56-120	
Xylenes, Total	60.0	61.1	102	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4Y30X04.D

Lab ID: LCSD 410-380934/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.0	95	2	20	67-126	
1,1,2,2-Tetrachloroethane	20.0	18.9	95	4	20	72-120	
1,1,2-Trichloroethane	20.0	20.1	101	0	20	80-120	
1,1-Dichloroethane	20.0	21.3	107	2	20	80-120	
1,1-Dichloroethene	20.0	20.8	104	2	20	80-131	
1,2,4-Trichlorobenzene	20.0	19.0	95	11	20	63-120	
1,2,4-Trimethylbenzene	20.0	18.3	91	4	20	75-120	
1,2-Dibromo-3-Chloropropane	20.0	16.2	81	11	20	47-131	
1,2-Dibromoethane	20.0	20.0	100	1	20	77-120	
1,2-Dichlorobenzene	20.0	18.7	94	3	20	80-120	
1,2-Dichloroethane	20.0	18.4	92	2	20	73-124	
1,2-Dichloropropane	20.0	20.7	104	1	20	80-120	
1,3,5-Trimethylbenzene	20.0	18.5	93	2	20	75-120	
1,3-Dichlorobenzene	20.0	18.7	93	5	20	80-120	
1,4-Dichlorobenzene	20.0	19.8	99	3	20	80-120	
2-Butanone	250	264	106	4	20	59-135	
2-Hexanone	250	265	106	1	20	56-135	
4-Methyl-2-pentanone	250	254	102	2	20	62-133	
Acetone	250	246	98	6	20	54-157	
Benzene	20.0	21.4	107	0	20	80-120	
Bromodichloromethane	20.0	18.7	93	3	20	71-120	
Bromoform	20.0	19.4	97	2	20	51-120	
Bromomethane	20.0	19.4	97	3	20	53-128	
Carbon disulfide	20.0	22.6	113	0	20	65-128	
Carbon tetrachloride	20.0	19.2	96	0	20	64-134	
Chlorobenzene	20.0	19.8	99	0	20	80-120	
Chloroethane	20.0	19.3	96	1	20	55-123	
Chloroform	20.0	20.1	100	3	20	80-120	
Chloromethane	20.0	16.8	84	4	20	56-121	
cis-1,2-Dichloroethene	20.0	21.8	109	1	20	80-125	
cis-1,3-Dichloropropene	20.0	18.7	93	1	20	75-120	
Cyclohexane	20.0	19.8	99	2	20	68-126	
Dibromochloromethane	20.0	19.9	100	2	20	71-120	
Dichlorodifluoromethane	20.0	12.9	64	1	20	41-127	
Ethylbenzene	20.0	20.3	102	2	20	80-120	
Freon 113	20.0	20.5	102	2	20	73-139	
Isopropylbenzene	20.0	20.6	103	0	20	80-120	
Methyl acetate	20.0	24.7	124	3	20	54-136	
Methyl tertiary butyl ether	20.0	20.7	103	0	20	69-122	
Methylcyclohexane	20.0	20.0	100	1	20	67-121	
Methylene Chloride	20.0	21.4	107	1	20	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4Y30X04.D

Lab ID: LCSD 410-380934/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	20.0	19.9	99	1	20	80-120	
Tetrachloroethene	20.0	20.3	101	2	20	80-120	
Toluene	20.0	20.8	104	1	20	80-120	
trans-1,2-Dichloroethene	20.0	21.2	106	1	20	80-126	
trans-1,3-Dichloropropene	20.0	19.1	96	0	20	67-120	
Trichloroethene	20.0	19.8	99	1	20	80-120	
Trichlorofluoromethane	20.0	15.6	78	4	20	55-135	
Vinyl chloride	20.0	17.1	85	4	20	56-120	
Xylenes, Total	60.0	61.3	102	0	20	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4Y30X13.D

Lab ID: 410-127407-3 MS Client ID: FBW001-MS_052023 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	21.2	106	67-126	
1,1,2,2-Tetrachloroethane	20.0	ND	19.5	97	72-120	
1,1,2-Trichloroethane	20.0	ND	20.6	103	80-120	
1,1-Dichloroethane	20.0	ND	22.9	115	80-120	
1,1-Dichloroethene	20.0	ND	24.2	121	80-131	
1,2,4-Trichlorobenzene	20.0	ND	19.5	97	63-120	
1,2,4-Trimethylbenzene	20.0	ND	19.3	96	75-120	
1,2-Dibromo-3-Chloropropane	20.0	ND	16.8	84	47-131	
1,2-Dibromoethane	20.0	ND	20.3	101	77-120	
1,2-Dichlorobenzene	20.0	ND	19.6	98	80-120	
1,2-Dichloroethane	20.0	ND	19.2	96	73-124	
1,2-Dichloropropane	20.0	ND	21.9	110	80-120	
1,3,5-Trimethylbenzene	20.0	ND	19.6	98	75-120	
1,3-Dichlorobenzene	20.0	ND	19.8	99	80-120	
1,4-Dichlorobenzene	20.0	ND	21.1	105	80-120	
2-Butanone	250	ND	273	109	59-135	
2-Hexanone	250	ND	263	105	56-135	
4-Methyl-2-pentanone	250	ND	259	104	62-133	
Acetone	250	ND	289	115	54-157	
Benzene	20.0	ND	23.3	117	80-120	
Bromodichloromethane	20.0	ND	20.3	101	71-120	
Bromoform	20.0	ND	19.7	99	51-120	
Bromomethane	20.0	ND	20.7	104	53-128	
Carbon disulfide	20.0	ND	25.6	128	65-128	
Carbon tetrachloride	20.0	ND	22.1	111	64-134	
Chlorobenzene	20.0	ND	21.1	105	80-120	
Chloroethane	20.0	ND	22.1	110	55-123	
Chloroform	20.0	ND	21.8	109	80-120	
Chloromethane	20.0	ND	20.1	101	56-121	
cis-1,2-Dichloroethene	20.0	ND	23.6	118	80-125	
cis-1,3-Dichloropropene	20.0	ND	19.1	96	75-120	
Cyclohexane	20.0	ND	23.4	117	68-126	
Dibromochloromethane	20.0	ND	20.5	103	71-120	
Dichlorodifluoromethane	20.0	ND	16.5	82	41-127	
Ethylbenzene	20.0	ND	21.2	106	80-120	
Freon 113	20.0	ND	24.1	120	73-139	
Isopropylbenzene	20.0	ND	22.1	110	80-120	
Methyl acetate	20.0	ND	25.4	127	54-136	
Methyl tertiary butyl ether	20.0	ND	20.4	102	69-122	
Methylcyclohexane	20.0	ND	23.3	116	67-121	
Methylene Chloride	20.0	ND	23.3	117	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4Y30X13.D

Lab ID: 410-127407-3 MS Client ID: FBW001-MS_052023 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Styrene	20.0	ND	20.6	103	80-120	
Tetrachloroethene	20.0	ND	22.2	111	80-120	
Toluene	20.0	ND	21.9	109	80-120	
trans-1,2-Dichloroethene	20.0	ND	23.5	118	80-126	
trans-1,3-Dichloropropene	20.0	ND	18.9	95	67-120	
Trichloroethene	20.0	ND	21.6	108	80-120	
Trichlorofluoromethane	20.0	ND	17.9	90	55-135	
Vinyl chloride	20.0	ND	20.3	101	56-120	
Xylenes, Total	60.0	ND	64.5	108	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4Y30X14.D

Lab ID: 410-127407-3 MSD Client ID: FBW001-MSD_052023 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	20.3	102	4	20	67-126	
1,1,2,2-Tetrachloroethane	20.0	18.4	92	6	20	72-120	
1,1,2-Trichloroethane	20.0	20.0	100	3	20	80-120	
1,1-Dichloroethane	20.0	22.2	111	3	20	80-120	
1,1-Dichloroethene	20.0	21.5	107	12	20	80-131	
1,2,4-Trichlorobenzene	20.0	18.9	95	3	20	63-120	
1,2,4-Trimethylbenzene	20.0	18.6	93	3	20	75-120	
1,2-Dibromo-3-Chloropropane	20.0	15.4	77	9	20	47-131	
1,2-Dibromoethane	20.0	19.8	99	2	20	77-120	
1,2-Dichlorobenzene	20.0	18.8	94	4	20	80-120	
1,2-Dichloroethane	20.0	18.2	91	5	20	73-124	
1,2-Dichloropropane	20.0	21.2	106	3	20	80-120	
1,3,5-Trimethylbenzene	20.0	18.9	95	3	20	75-120	
1,3-Dichlorobenzene	20.0	19.1	96	3	20	80-120	
1,4-Dichlorobenzene	20.0	20.1	101	5	20	80-120	
2-Butanone	250	248	99	10	20	59-135	
2-Hexanone	250	249	99	6	20	56-135	
4-Methyl-2-pentanone	250	240	96	8	20	62-133	
Acetone	250	257	103	11	20	54-157	
Benzene	20.0	22.6	113	3	20	80-120	
Bromodichloromethane	20.0	19.1	96	6	20	71-120	
Bromoform	20.0	19.0	95	4	20	51-120	
Bromomethane	20.0	20.6	103	1	20	53-128	
Carbon disulfide	20.0	23.2	116	10	20	65-128	
Carbon tetrachloride	20.0	20.8	104	6	20	64-134	
Chlorobenzene	20.0	20.3	102	4	20	80-120	
Chloroethane	20.0	21.6	108	2	20	55-123	
Chloroform	20.0	21.0	105	4	20	80-120	
Chloromethane	20.0	18.9	95	6	20	56-121	
cis-1,2-Dichloroethene	20.0	22.8	114	4	20	80-125	
cis-1,3-Dichloropropene	20.0	18.5	93	3	20	75-120	
Cyclohexane	20.0	22.6	113	4	20	68-126	
Dibromochloromethane	20.0	20.1	100	2	20	71-120	
Dichlorodifluoromethane	20.0	15.8	79	4	20	41-127	
Ethylbenzene	20.0	20.8	104	2	20	80-120	
Freon 113	20.0	21.6	108	11	20	73-139	
Isopropylbenzene	20.0	21.6	108	2	20	80-120	
Methyl acetate	20.0	19.4	97	27	20	54-136	F2
Methyl tertiary butyl ether	20.0	20.1	100	2	20	69-122	
Methylcyclohexane	20.0	22.2	111	5	20	67-121	
Methylene Chloride	20.0	22.4	112	4	20	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4Y30X14.D

Lab ID: 410-127407-3 MSD Client ID: FBW001-MSD_052023 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	20.0	20.4	102	1	20	80-120	
Tetrachloroethene	20.0	21.8	109	2	20	80-120	
Toluene	20.0	21.3	107	2	20	80-120	
trans-1,2-Dichloroethene	20.0	22.4	112	5	20	80-126	
trans-1,3-Dichloropropene	20.0	18.7	94	1	20	67-120	
Trichloroethene	20.0	20.8	104	4	20	80-120	
Trichlorofluoromethane	20.0	16.7	84	7	20	55-135	
Vinyl chloride	20.0	19.4	97	5	20	56-120	
Xylenes, Total	60.0	63.6	106	1	20	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.: 410-127407-1

SDG No.:

Lab File ID: 4Y30X06.D Lab Sample ID: MB 410-380934/7

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

Instrument ID: 23297 Date Analyzed: 05/30/2023 11:44

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 410-380934/4	4Y30X03.D	05/30/2023 10:37
	LCSD 410-380934/5	4Y30X04.D	05/30/2023 10:59
FB-01_052023	410-127407-4	4Y30X10.D	05/30/2023 13:14
Trip Blank-01_052023	410-127407-5	4Y30X11.D	05/30/2023 13:36
FBW001_052023	410-127407-3	4Y30X12.D	05/30/2023 13:59
FBW001-MS_052023 MS	410-127407-3 MS	4Y30X13.D	05/30/2023 14:21
FBW001-MSD_052023 MSD	410-127407-3 MSD	4Y30X14.D	05/30/2023 14:44
FBS010_052023	410-127407-1	4Y30X15.D	05/30/2023 15:06
Dup-01_052023	410-127407-2	4Y30X16.D	05/30/2023 15:29

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: 4D05T03.D BFB Injection Date: 12/05/2022

Instrument ID: 23297 BFB Injection Time: 16:26

Analysis Batch No.: 323735

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.5	
75	30.0 - 60.0 % of mass 95	43.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	86.1	
175	5.0 - 9.0 % of mass 174	6.4	(7.5) 1
176	95.0 - 101.0 % of mass 174	84.3	(97.8) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-323735/13	4D05X12.D	12/05/2022	20:37
	IC 410-323735/12	4D05X13.D	12/05/2022	21:00
	IC 410-323735/14	4D05X14.D	12/05/2022	21:22
	IC 410-323735/15	4D05X15.D	12/05/2022	21:45
	ICIS 410-323735/16	4D05X16.D	12/05/2022	22:07
	IC 410-323735/17	4D05X17.D	12/05/2022	22:29
	IC 410-323735/18	4D05X18.D	12/05/2022	22:52
	ICV 410-323735/20	4D05X20.D	12/05/2022	23:37

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: 4Y30T02.D BFB Injection Date: 05/30/2023

Instrument ID: 23297 BFB Injection Time: 09:14

Analysis Batch No.: 380934

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.8	
75	30.0 - 60.0 % of mass 95	45.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	87.8	
175	5.0 - 9.0 % of mass 174	6.4	(7.3) 1
176	95.0 - 101.0 % of mass 174	84.9	(96.6) 1
177	5.0 - 9.0 % of mass 176	6.0	(7.1) 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 410-380934/3	4Y30X02.D	05/30/2023	10:15
	LCS 410-380934/4	4Y30X03.D	05/30/2023	10:37
	LCSD 410-380934/5	4Y30X04.D	05/30/2023	10:59
	MB 410-380934/7	4Y30X06.D	05/30/2023	11:44
FB-01_052023	410-127407-4	4Y30X10.D	05/30/2023	13:14
Trip Blank-01_052023	410-127407-5	4Y30X11.D	05/30/2023	13:36
FBW001_052023	410-127407-3	4Y30X12.D	05/30/2023	13:59
FBW001-MS_052023 MS	410-127407-3 MS	4Y30X13.D	05/30/2023	14:21
FBW001-MSD_052023 MSD	410-127407-3 MSD	4Y30X14.D	05/30/2023	14:44
FBS010_052023	410-127407-1	4Y30X15.D	05/30/2023	15:06
Dup-01_052023	410-127407-2	4Y30X16.D	05/30/2023	15:29

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Sample No.: ICIS 410-323735/16 Date Analyzed: 12/05/2022 22:07

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4D05X16.D Heated Purge: (Y/N) N

Calibration ID: 44731

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		543239	4.08	1319829	7.54	1054596	11.07
UPPER LIMIT		1086478	4.58	2639658	8.04	2109192	11.57
LOWER LIMIT		271620	3.58	659915	7.04	527298	10.57
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-323735/20		541590	4.08	1283919	7.54	995263	11.07
CCVIS 410-380934/3		455870	4.02	1271002	7.53	969141	11.06

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.: 410-127407-1

SDG No.:

Sample No.: ICIS 410-323735/16 Date Analyzed: 12/05/2022 22:07

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4D05X16.D Heated Purge: (Y/N) N

Calibration ID: 44731

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		621360	12.96				
UPPER LIMIT		1242720	13.46				
LOWER LIMIT		310680	12.46				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-323735/20		580923	12.96				
CCVIS 410-380934/3		590472	12.96				

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.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-380934/3 Date Analyzed: 05/30/2023 10:15

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4Y30X02.D Heated Purge: (Y/N) N

Calibration ID: 44731

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		455870	4.02	1271002	7.53	969141	11.06
UPPER LIMIT		911740	4.52	2542004	8.03	1938282	11.56
LOWER LIMIT		227935	3.52	635501	7.03	484571	10.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-380934/4		497617	4.03	1267405	7.53	952832	11.06
LCSD 410-380934/5		507667	4.03	1321367	7.53	982588	11.06
MB 410-380934/7		460638	4.04	1209267	7.53	920943	11.06
410-127407-4	FB-01_052023	455342	4.03	1188770	7.53	916472	11.06
410-127407-5	Trip Blank-01_052023	455329	4.02	1207171	7.53	896719	11.06
410-127407-3	FBW001_052023	459734	4.02	1179312	7.53	903452	11.06
410-127407-3 MS	FBW001-MS_052023 MS	452450	4.02	1203783	7.53	913802	11.06
410-127407-3 MSD	FBW001-MSD_052023 MSD	458868	4.02	1264667	7.53	942144	11.06
410-127407-1	FBS010_052023	451627	4.02	1179779	7.53	888174	11.06
410-127407-2	Dup-01_052023	444776	4.02	1175685	7.53	887231	11.06

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
FB = Fluorobenzene (IS)
Area Limit = 50%-200% of internal standard area
CBZd5 = Chlorobenzene-d5 (IS)
RT Limit = ± 0.5 minutes of internal standard RT
CBZd5 = Chlorobenzene-d5 (IS)
# 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.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-380934/3 Date Analyzed: 05/30/2023 10:15

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4Y30X02.D Heated Purge: (Y/N) N

Calibration ID: 44731

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		590472	12.96				
UPPER LIMIT		1180944	13.46				
LOWER LIMIT		295236	12.46				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-380934/4		581161	12.96				
LCSD 410-380934/5		612528	12.96				
MB 410-380934/7		574576	12.96				
410-127407-4	FB-01_052023	570736	12.96				
410-127407-5	Trip Blank-01_052023	564642	12.96				
410-127407-3	FBW001_052023	550552	12.96				
410-127407-3 MS	FBW001-MS_052023 MS	568698	12.96				
410-127407-3 MSD	FBW001-MSD_052023 MSD	591067	12.96				
410-127407-1	FBS010_052023	551626	12.96				
410-127407-2	Dup-01_052023	536320	12.96				

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.: 410-127407-1

SDG No.:

Client Sample ID: FBS010_052023 Lab Sample ID: 410-127407-1

Matrix: Water Lab File ID: 4Y30X15.D

Analysis Method: 8260C Date Collected: 05/18/2023 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 15:06

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.: 380934 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	0.42	J	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	cn	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.: 410-127407-1

SDG No.:

Client Sample ID: FBS010_052023 Lab Sample ID: 410-127407-1

Matrix: Water Lab File ID: 4Y30X15.D

Analysis Method: 8260C Date Collected: 05/18/2023 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 15:06

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.: 380934 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	cn	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)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X15.D
Lims ID: 410-127407-E-1
Client ID: FBS010_052023
Sample Type: Client
Inject. Date: 30-May-2023 15:06:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-016
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 11:04:11 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:05:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.873				ND	
4 Chloromethane	50		2.062				ND	7
5 Vinyl chloride	62		2.165				ND	
8 Bromomethane	94		2.500				ND	7
9 Chloroethane	64		2.573				ND	
11 Trichlorofluoromethane	101		2.859				ND	
17 1,1-Dichloroethene	96		3.394				ND	
18 Acetone	58		3.400				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.431				ND	
22 Carbon disulfide	76		3.680				ND	
24 Methyl acetate	43		3.796				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	4.015	4.015	0.000	23	451627	250.0	
27 Methylene Chloride	84		4.021				ND	
32 trans-1,2-Dichloroethene	96		4.410				ND	
31 Methyl tert-butyl ether	73		4.435				ND	
36 1,1-Dichloroethane	63		5.073				ND	
42 2-Butanone (MEK)	43		5.889				ND	7
43 cis-1,2-Dichloroethene	96		5.919				ND	
49 Chloroform	83		6.406				ND	
$ 50 Dibromofluoromethane (Surr)	113	6.625	6.625	0.000	94	316519	51.5	
51 1,1,1-Trichloroethane	97		6.643				ND	
52 Cyclohexane	56		6.746				ND	
53 Carbon tetrachloride	117		6.856				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.081	7.075	0.006	77	73071	52.1	
57 Benzene	78		7.117				ND	
58 1,2-Dichloroethane	62		7.184				ND	
* 61 Fluorobenzene (IS)	96	7.525	7.525	0.000	99	1179779	50.0	
65 Trichloroethene	95		8.012				ND	
66 Methylcyclohexane	83		8.322				ND	
67 1,2-Dichloropropane	63		8.340				ND	
73 Dichlorobromomethane	83		8.693				ND	
76 cis-1,3-Dichloropropene	75		9.253				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
77 4-Methyl-2-pentanone (MIBK)	43		9.435				ND	7
$ 78 Toluene-d8 (Surr)	98	9.575	9.575	0.000	92	1127267	49.5	
79 Toluene	92		9.654				ND	
80 trans-1,3-Dichloropropene	75		9.916				ND	
119 1,1,2-Trichloroethane	97		10.123				ND	
120 Tetrachloroethene	166		10.214				ND	
123 2-Hexanone	43		10.348				ND	7
125 Chlorodibromomethane	129		10.506				ND	
126 Ethylene Dibromide	107		10.615				ND	
* 127 Chlorobenzene-d5 (IS)	117	11.060	11.060	0.000	83	888174	50.0	
129 Chlorobenzene	112		11.084				ND	
131 Ethylbenzene	91		11.175				ND	
S 132 Xylenes, Total	106		11.245				ND	7
133 m-Xylene & p-Xylene	106		11.291				ND	
134 o-Xylene	106		11.625				ND	
135 Styrene	104		11.637				ND	
136 Bromoform	173		11.796				ND	
137 Isopropylbenzene	105		11.929				ND	
$ 140 4-Bromofluorobenzene (Surr)	95	12.069	12.069	0.000	93	431461	49.7	
141 1,1,2,2-Tetrachloroethane	83		12.179				ND	
147 1,3,5-Trimethylbenzene	105		12.398				ND	
152 1,2,4-Trimethylbenzene	105		12.684				ND	7
154 1,3-Dichlorobenzene	146		12.903				ND	7
* 157 1,4-Dichlorobenzene-d4	152	12.958	12.958	0.000	94	551626	50.0	
158 1,4-Dichlorobenzene	146		12.976				ND	7
163 1,2-Dichlorobenzene	146		13.237				ND	7
166 1,2-Dibromo-3-Chloropropane	75		13.779				ND	
168 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	90	5379	0.4206	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

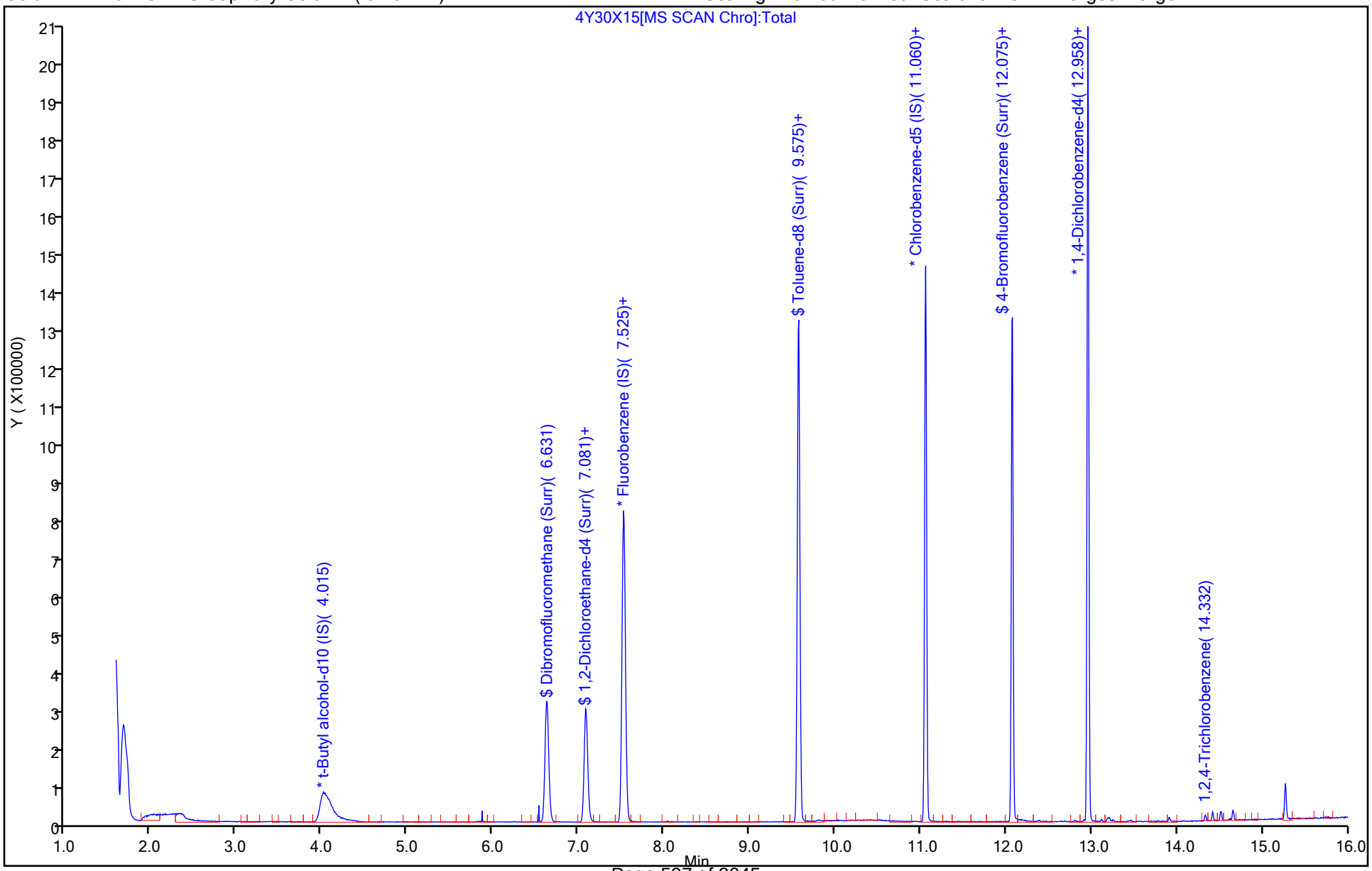
MSV_HP23_ISSS_00010 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 31-May-2023 11:05:45 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X15.D				
Injection Date:	30-May-2023 15:06:30	Instrument ID:	23297	Operator ID:	lcp00895
Lims ID:	410-127407-E-1	Lab Sample ID:	410-127407-1	Worklist Smp#:	16
Client ID:	FBS010_052023				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X15.D				
Lims ID:	410-127407-E-1				
Client ID:	FBS010_052023				
Sample Type:	Client				
Inject. Date:	30-May-2023 15:06:30	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0085281-016				
Operator ID:	lcp00895	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	31-May-2023 11:04:11	Calib Date:	05-Dec-2022 22:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1637				

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:05:45

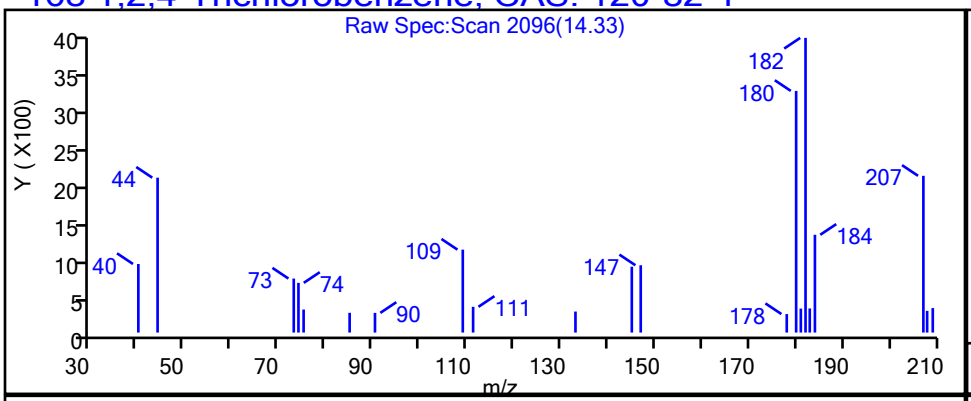
Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	51.5	103.05
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	52.1	104.23
$ 78 Toluene-d8 (Surr)	50.0	49.5	98.94
$ 140 4-Bromofluorobenzene (Surr)	50.0	49.7	99.46

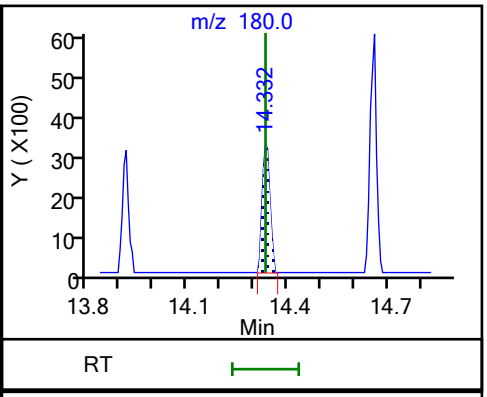
Report Date: 31-May-2023 11:05:46 Chrom Revision: 2.3 23-May-2023 13:55:56

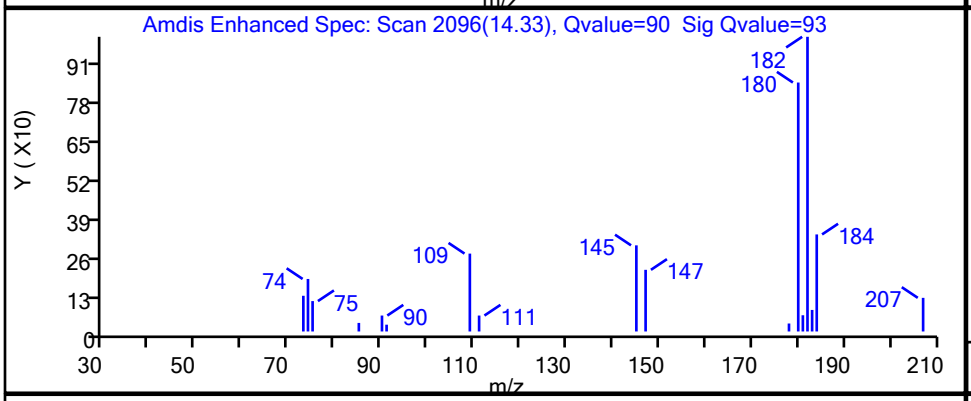
Eurofins Lancaster Laboratories Environment Testing, LLC

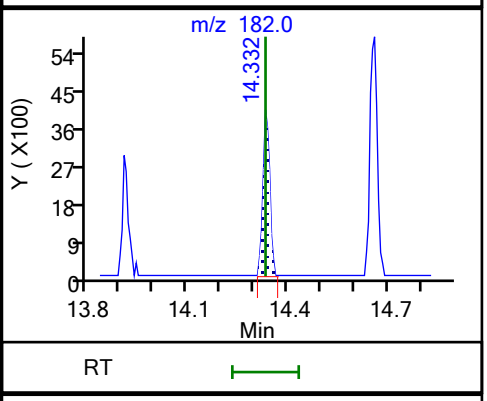
Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X15.D				
Injection Date:	30-May-2023 15:06:30	Instrument ID:	23297		
Lims ID:	410-127407-E-1	Lab Sample ID:	410-127407-1		
Client ID:	FBS010_052023				
Operator ID:	lcp00895	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

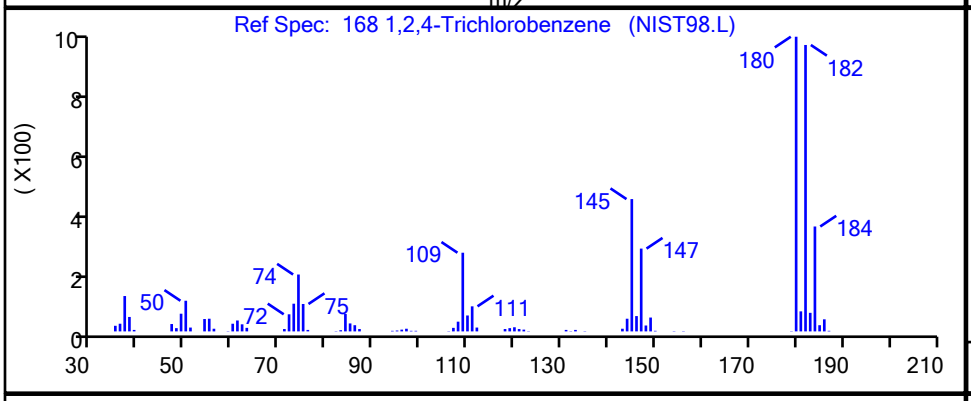
168 1,2,4-Trichlorobenzene, CAS: 120-82-1

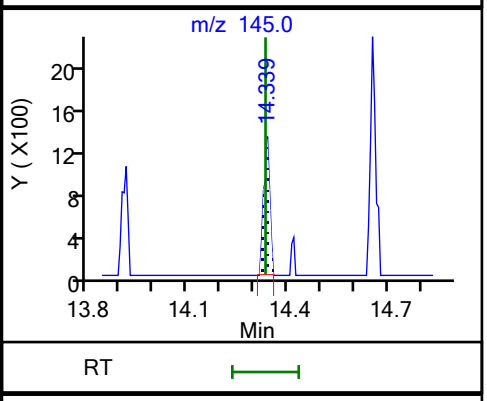


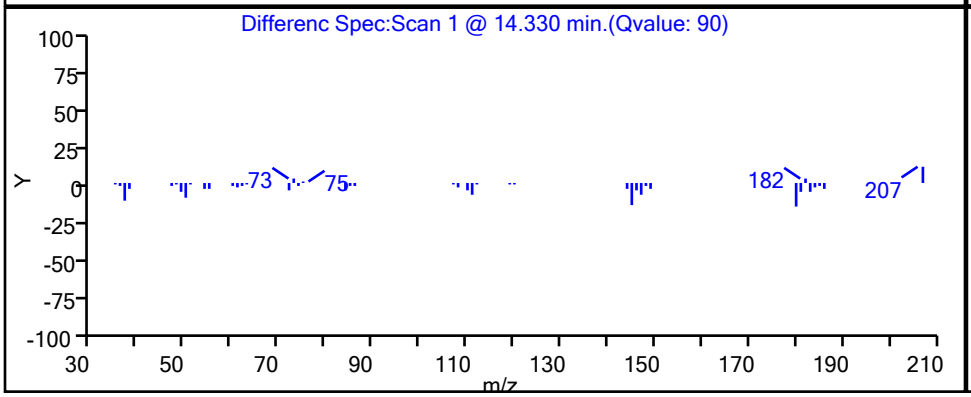


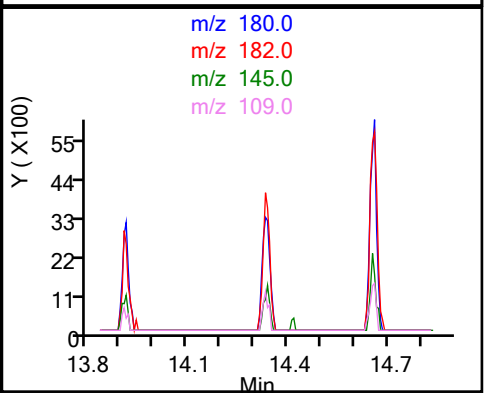












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: Dup-01_052023 Lab Sample ID: 410-127407-2

Matrix: Water Lab File ID: 4Y30X16.D

Analysis Method: 8260C Date Collected: 05/18/2023 12:00

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 15:29

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.: 380934 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	cn	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.: 410-127407-1

SDG No.:

Client Sample ID: Dup-01_052023 Lab Sample ID: 410-127407-2

Matrix: Water Lab File ID: 4Y30X16.D

Analysis Method: 8260C Date Collected: 05/18/2023 12:00

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 15:29

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.: 380934 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	cn	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)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X16.D
Lims ID: 410-127407-E-2
Client ID: Dup-01_052023
Sample Type: Client
Inject. Date: 30-May-2023 15:29:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-017
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 11:04:11 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:06:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.873				ND	
4 Chloromethane	50		2.062				ND	7
5 Vinyl chloride	62		2.165				ND	
8 Bromomethane	94		2.500				ND	7
9 Chloroethane	64		2.573				ND	
11 Trichlorofluoromethane	101		2.859				ND	
17 1,1-Dichloroethene	96		3.394				ND	
18 Acetone	58		3.400				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.431				ND	
22 Carbon disulfide	76		3.680				ND	
24 Methyl acetate	43		3.796				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	4.021	4.015	0.006	17	444776	250.0	
27 Methylene Chloride	84		4.021				ND	
32 trans-1,2-Dichloroethene	96		4.410				ND	
31 Methyl tert-butyl ether	73		4.435				ND	
36 1,1-Dichloroethane	63		5.073				ND	
42 2-Butanone (MEK)	43		5.889				ND	7
43 cis-1,2-Dichloroethene	96		5.919				ND	
49 Chloroform	83		6.406				ND	
$ 50 Dibromofluoromethane (Surr)	113	6.624	6.625	-0.001	94	316498	51.7	
51 1,1,1-Trichloroethane	97		6.643				ND	
52 Cyclohexane	56		6.746				ND	
53 Carbon tetrachloride	117		6.856				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.087	7.075	0.012	77	73364	52.5	
57 Benzene	78		7.117				ND	
58 1,2-Dichloroethane	62		7.184				ND	
* 61 Fluorobenzene (IS)	96	7.525	7.525	0.000	99	1175685	50.0	
65 Trichloroethene	95		8.012				ND	
66 Methylcyclohexane	83		8.322				ND	
67 1,2-Dichloropropane	63		8.340				ND	
73 Dichlorobromomethane	83		8.693				ND	
76 cis-1,3-Dichloropropene	75		9.253				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
77 4-Methyl-2-pentanone (MIBK)	43		9.435				ND	7
$ 78 Toluene-d8 (Surr)	98	9.575	9.575	0.000	93	1125034	49.4	
79 Toluene	92		9.654				ND	
80 trans-1,3-Dichloropropene	75		9.916				ND	
119 1,1,2-Trichloroethane	97		10.123				ND	
120 Tetrachloroethene	166		10.214				ND	
123 2-Hexanone	43		10.348				ND	7
125 Chlorodibromomethane	129		10.506				ND	
126 Ethylene Dibromide	107		10.615				ND	
* 127 Chlorobenzene-d5 (IS)	117	11.059	11.060	-0.001	83	887231	50.0	
129 Chlorobenzene	112		11.084				ND	
131 Ethylbenzene	91		11.175				ND	
S 132 Xylenes, Total	106		11.245				ND	7
133 m-Xylene & p-Xylene	106		11.291				ND	
134 o-Xylene	106		11.625				ND	
135 Styrene	104		11.637				ND	
136 Bromoform	173		11.796				ND	
137 Isopropylbenzene	105		11.929				ND	
$ 140 4-Bromofluorobenzene (Surr)	95	12.069	12.069	0.000	93	431935	49.8	
141 1,1,2,2-Tetrachloroethane	83		12.179				ND	
147 1,3,5-Trimethylbenzene	105		12.398				ND	
152 1,2,4-Trimethylbenzene	105		12.684				ND	
154 1,3-Dichlorobenzene	146		12.903				ND	
* 157 1,4-Dichlorobenzene-d4	152	12.957	12.958	-0.001	94	536320	50.0	
158 1,4-Dichlorobenzene	146		12.976				ND	
163 1,2-Dichlorobenzene	146		13.237				ND	
166 1,2-Dibromo-3-Chloropropane	75		13.779				ND	
168 1,2,4-Trichlorobenzene	180		14.332				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

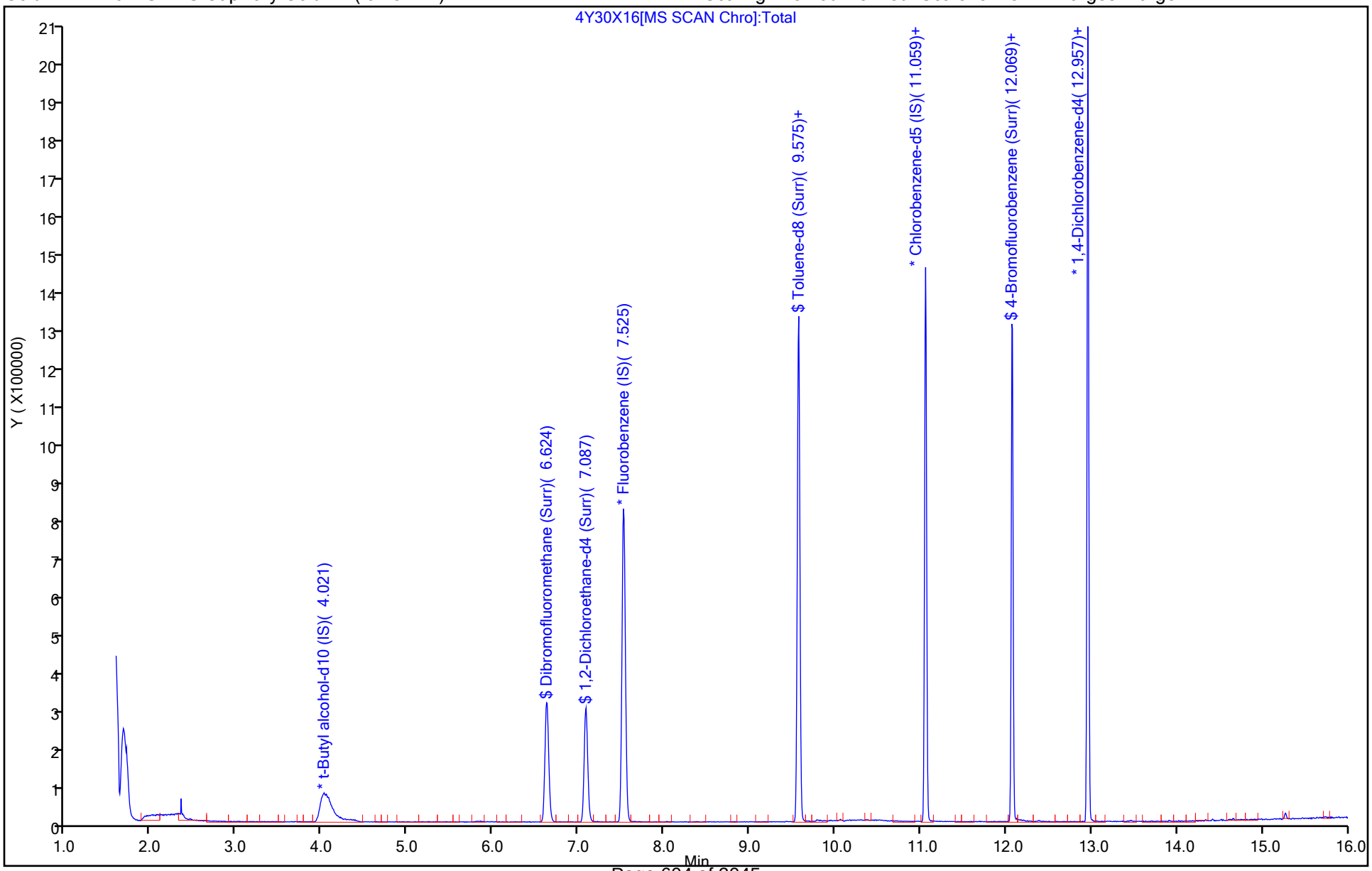
MSV_HP23_ISSS_00010 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 31-May-2023 11:06:14 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X16.D				
Injection Date:	30-May-2023 15:29:30	Instrument ID:	23297	Operator ID:	lcp00895
Lims ID:	410-127407-E-2	Lab Sample ID:	410-127407-2	Worklist Smp#:	17
Client ID:	Dup-01_052023				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X16.D
Lims ID: 410-127407-E-2
Client ID: Dup-01_052023
Sample Type: Client
Inject. Date: 30-May-2023 15:29:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-017
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 11:04:11 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:06:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	51.7	103.41
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	52.5	105.02
$ 78 Toluene-d8 (Surr)	50.0	49.4	98.85
$ 140 4-Bromofluorobenzene (Surr)	50.0	49.8	99.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001_052023 Lab Sample ID: 410-127407-3

Matrix: Water Lab File ID: 4Y30X12.D

Analysis Method: 8260C Date Collected: 05/18/2023 10:43

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 13:59

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.: 380934 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	cn	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.: 410-127407-1

SDG No.:

Client Sample ID: FBW001_052023 Lab Sample ID: 410-127407-3

Matrix: Water Lab File ID: 4Y30X12.D

Analysis Method: 8260C Date Collected: 05/18/2023 10:43

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 13:59

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.: 380934 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	F2 cn	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)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X12.D
Lims ID: 410-127407-E-3
Client ID: FBW001_052023
Sample Type: Client
Inject. Date: 30-May-2023 13:59:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-013
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 11:04:11 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:04:11

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	1 Chlorotrifluoroethene	116		1.843				ND	
	2 Dichlorodifluoromethane	85		1.873				ND	
	3 Chlorodifluoromethane	51		1.922				ND	7
	4 Chloromethane	50		2.062				ND	7
	5 Vinyl chloride	62		2.165				ND	
	6 Butadiene	39		2.184				ND	7
	7 2-Chloro-1,1,1-Trifluoroethane	118		2.262				ND	
	8 Bromomethane	94		2.500				ND	7
	9 Chloroethane	64		2.573				ND	
	10 Dichlorofluoromethane	67		2.804				ND	
	11 Trichlorofluoromethane	101		2.859				ND	
	13 Pentane	43		2.895				ND	7
	12 Ethanol	45		2.950				ND	
	14 Ethyl ether	59		3.090				ND	
	15 1,2-Dichloro-1,1,2-trifluoroetha	67		3.187				ND	
	16 Acrolein	56		3.242				ND	
	17 1,1-Dichloroethene	96		3.394				ND	
	18 Acetone	58		3.400				ND	
	19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.431				ND	
	21 Isopropyl alcohol	45		3.558				ND	
	20 Iodomethane	142		3.595				ND	
	22 Carbon disulfide	76		3.680				ND	
	23 Acetonitrile	41		3.759				ND	
T	25 Acetonitrile TIC	41		3.783				ND	
	24 Methyl acetate	43		3.796				ND	7
	26 3-Chloro-1-propene	41		3.832				ND	
*	28 t-Butyl alcohol-d10 (IS)	65	4.021	4.015	0.006	23	459734	250.0	
	27 Methylene Chloride	84		4.021				ND	
	29 2-Methyl-2-propanol	59		4.124				ND	
	30 Acrylonitrile	53		4.325				ND	
	32 trans-1,2-Dichloroethene	96		4.410				ND	
	31 Methyl tert-butyl ether	73		4.435				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
35 Hexane	57		4.842				ND	
34 Vinyl acetate	43		5.073				ND	7
36 1,1-Dichloroethane	63		5.073				ND	
37 Isopropyl ether	45		5.140				ND	
38 2-Chloro-1,3-butadiene	53		5.189				ND	
39 Tert-butyl ethyl ether	59		5.694				ND	
42 2-Butanone (MEK)	43		5.889				ND	7
43 cis-1,2-Dichloroethene	96		5.919				ND	
40 2,2-Dichloropropane	77		5.949				ND	
41 Ethyl acetate	43		5.961				ND	7
44 Propionitrile	54		5.968				ND	
S 45 1,2-Dichloroethene, Total	100		6.155				ND	7
46 Methacrylonitrile	67		6.193				ND	
47 Chlorobromomethane	128		6.254				ND	
48 Tetrahydrofuran	71		6.260				ND	
49 Chloroform	83		6.406				ND	
$ 50 Dibromofluoromethane (Surr)	113	6.624	6.625	-0.001	94	318255	51.8	
51 1,1,1-Trichloroethane	97		6.643				ND	
52 Cyclohexane	56		6.746				ND	
54 1,1-Dichloropropene	75		6.850				ND	
53 Carbon tetrachloride	117		6.856				ND	
55 Isobutyl alcohol	41		7.014				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.081	7.075	0.006	77	73059	52.1	
57 Benzene	78		7.117				ND	
58 1,2-Dichloroethane	62		7.184				ND	7
59 Isopropyl acetate	43		7.202				ND	7
60 Tert-amyl methyl ether	73		7.318				ND	
* 61 Fluorobenzene (IS)	96	7.525	7.525	0.000	99	1179312	50.0	
62 n-Heptane	43		7.543				ND	7
63 t-Amyl alcohol	73		7.829				ND	
64 n-Butanol	56		7.902				ND	
65 Trichloroethene	95		8.012				ND	
66 Methylcyclohexane	83		8.322				ND	
67 1,2-Dichloropropane	63		8.340				ND	
68 2-ethoxy-2-methyl butane	87		8.358				ND	
70 1,4-Dioxane	88		8.431				ND	
69 Methyl methacrylate	69		8.431				ND	
71 Dibromomethane	93		8.450				ND	
72 n-Propyl acetate	61		8.516				ND	
73 Dichlorobromomethane	83		8.693				ND	
74 2-Nitropropane	41		8.967				ND	
75 2-Chloroethyl vinyl ether	63		9.064				ND	
76 cis-1,3-Dichloropropene	75		9.253				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.435				ND	
$ 78 Toluene-d8 (Surr)	98	9.575	9.575	0.000	93	1137534	49.1	
79 Toluene	92		9.654				ND	
80 trans-1,3-Dichloropropene	75		9.916				ND	
81 Ethyl methacrylate	69		9.983				ND	
T 99 Vinyl Fluoride TIC	46	9.575	10.000	-0.425	15	10789	0.4574	
T 101 1,2-Dichlorofluoroethane TIC	81	9.575	10.000	-0.425	8	154	0.006529	
T 86 Diethoxymethane TIC	59		10.000				ND	
T 108 Freon 115 TIC	85		10.000				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
T 110 Bromoethane TIC	108	12.957	10.000	2.957	5	1867	0.0792	
T 88 Vinyl acetate (TIC)	43		10.000				ND	
T 106 Epichlorohydrin TIC	57		10.000				ND	
T 100 Ethyl Acetate TIC	43		10.000				ND	
T 93 1-Chloro-1,1-difluoroethane TIC	65	9.605	10.000	-0.395	1	91	0.003858	
T 85 1,3-Dichlorobutene-2(total) TIC	89		10.000				ND	
T 92 4-Ethyltoluene TIC	105	12.075	10.000	2.075	4	232	0.009836	
T 87 Propionaldehyde TIC	58	9.569	10.000	-0.431	1	7663	0.3249	
T 109 Ethyl acrylate TIC	55	9.569	10.000	-0.431	26	3942	0.1671	
T 116 Tetranitromethane TIC	46	9.575	10.000	-0.425	1	10789	0.4574	
T 104 Chlorofluoromethane TIC	68	9.575	10.000	-0.425	22	10501	0.4452	
T 112 1,1,1-Trichloro-2,2,2-trifluoroe	151	12.282	10.000	2.282	1	327	0.0139	
T 105 Dichloro-1,1,2,2-tetrafluoroetha	85	11.059	10.000	1.059	1	4204	0.1782	
T 89 Ethylene oxide TIC	43		10.000				ND	
T 102 Propene oxide TIC	58		10.000				ND	
T 117 1,1,1-Trifluoro-2,2-dichloroetha	83	9.581	10.000	-0.419	1	459	0.0195	
T 210 divinyl benzene TIC	131	12.075	10.000	2.075	10	702	0.0298	
T 96 Propanol TIC	59	9.800	10.000	-0.200	1	267	0.0113	
T 114 Chloroacetaldehyde TIC	50	9.575	10.000	-0.425	29	24355	1.03	
T 107 Fluoromethane TIC	34		10.000				ND	
T 98 1,1,2-Trifluoroethane TIC	51	9.587	10.000	-0.413	23	224	0.009497	
T 84 tert-amyl alcohol TIC	59	11.059	10.000	1.059	7	8718	0.3696	
T 103 Allyl Alcohol TIC	57		10.000				ND	
T 95 1-Chlorobutane TIC	56		10.000				ND	
T 97 Isooctane TIC	57		10.000				ND	
T 115 1,1-Dichloro-1-fluoroethane TIC	61	9.575	10.000	-0.425	1	154	0.006529	
T 82 n-Nonane TIC	43	9.660	10.000	-0.340	1	240	0.0102	
T 83 1-Bromo-2-chloroethane TIC	63	9.569	10.000	-0.431	1	842	0.0357	
T 90 Propane TIC	43		10.000				ND	
T 113 2,3-Dichloro-1,3-butadiene TIC	51		10.000				ND	
T 91 n-Butyl acrylate TIC	55		10.000				ND	
T 94 2,3,4-Trichlorobutene TIC	109	12.963	10.000	2.963	0	1757	0.0745	
T 111 Hexachloroethane TIC	117		10.000				ND	
S 118 1,3-Dichloropropene, Total	100		10.060				ND	7
119 1,1,2-Trichloroethane	97		10.123				ND	
120 Tetrachloroethene	166		10.214				ND	
121 1,3-Dichloropropane	76		10.293				ND	
122 3,4-Dichloro-1-butene	75		10.335				ND	
123 2-Hexanone	43		10.348				ND	
124 n-Butyl acetate	43		10.475				ND	
125 Chlorodibromomethane	129		10.506				ND	
126 Ethylene Dibromide	107		10.615				ND	
* 127 Chlorobenzene-d5 (IS)	117	11.059	11.060	-0.001	83	903452	50.0	a
128 1-Chlorohexane	91		11.072				ND	U
129 Chlorobenzene	112		11.084				ND	
130 1,1,1,2-Tetrachloroethane	131		11.169				ND	
131 Ethylbenzene	91		11.175				ND	
S 132 Xylenes, Total	106		11.245				ND	7
133 m-Xylene & p-Xylene	106		11.291				ND	
134 o-Xylene	106		11.625				ND	
135 Styrene	104		11.637				ND	
136 Bromoform	173		11.796				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
137 Isopropylbenzene	105		11.929				ND	
138 cis-1,4-Dichloro-2-butene	88		11.978				ND	
139 Cyclohexanone	55		12.002				ND	7
$ 140 4-Bromofluorobenzene (Surr)	95	12.069	12.069	0.000	94	434251	49.2	
141 1,1,2,2-Tetrachloroethane	83		12.179				ND	
142 Bromobenzene	156		12.191				ND	
143 trans-1,4-Dichloro-2-butene	53		12.203				ND	
144 1,2,3-Trichloropropane	110		12.221				ND	
145 N-Propylbenzene	91		12.258				ND	
146 2-Chlorotoluene	126		12.337				ND	
147 1,3,5-Trimethylbenzene	105		12.398				ND	
148 4-Chlorotoluene	126		12.428				ND	
149 2,3,4-Trichlorobutene	109		12.452				ND	
150 tert-Butylbenzene	134		12.641				ND	
151 Pentachloroethane	167		12.672				ND	
152 1,2,4-Trimethylbenzene	105		12.684				ND	
153 sec-Butylbenzene	105		12.806				ND	
154 1,3-Dichlorobenzene	146		12.903				ND	
155 4-Isopropyltoluene	119		12.915				ND	
* 157 1,4-Dichlorobenzene-d4	152	12.957	12.958	-0.001	94	550552	50.0	
158 1,4-Dichlorobenzene	146		12.976				ND	
159 1,2,3-Trimethylbenzene	105		12.988				ND	
156 Benzyl chloride	91		13.055				ND	7
160 1,3-Diethylbenzene	119		13.116				ND	
161 p-Diethylbenzene	119		13.189				ND	
162 n-Butylbenzene	92		13.207				ND	
163 1,2-Dichlorobenzene	146		13.237				ND	
164 o-diethylbenzene	119		13.262				ND	
165 Hexachloroethane	201		13.639				ND	
166 1,2-Dibromo-3-Chloropropane	75		13.779				ND	
167 1,3,5-Trichlorobenzene	180		13.907				ND	
168 1,2,4-Trichlorobenzene	180		14.332				ND	
169 Hexachlorobutadiene	225		14.418				ND	
170 Naphthalene	128		14.515				ND	7
171 1,2,3-Trichlorobenzene	180		14.655				ND	
172 2-Methylnaphthalene	142		15.269				ND	7
173 C4-C10	1		0.000				ND	
S 174 Total Diethylbenzene	1		0.000				ND	7
175 C6-C12	1		0.000				ND	
176 1-Bromo-2-chloroethane	1		0.000				ND	
177 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
178 1-Chlorobutane	1		0.000				ND	
179 trans-1,2,3-Trichlorobutene-2	1		0.000				ND	
180 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000				ND	
181 Butane	1		0.000				ND	
182 C6-C10	1		0.000				ND	
183 Methyl acrylate	1		0.000				ND	
184 1,3-Divinylbenzene	1		0.000				ND	
185 Dodecane	57		0.000				ND	
186 cis-1,2,3-Trichlorobutene-2	1		0.000				ND	
187 tert-Butyl Formate	1		0.000				ND	
188 Methylal	1		0.000				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
189 3-chloro-1-Butene	1		0.000				ND	
190 Propene oxide	1		0.000				ND	
S 191 Total BTEX	1		0.000				ND	
192 C5-C12	1		0.000				ND	
193 Chloroacetonitrile	1		0.000				ND	
194 Ethyl acrylate	55		0.000				ND	
195 Ethyl bromide	1		0.000				ND	
S 196 divinyl benzene	1		0.000				ND	7
197 sec-Butyl Alcohol	45		0.000				ND	
198 n-Nonane	1		0.000				ND	
199 n-Octane	1		0.000				ND	
200 Diethoxymethane	1		0.000				ND	
201 Undecane	1		0.000				ND	
202 Propanol	1		0.000				ND	
203 Isobutyl acetate	43		0.000				ND	
204 C4-C12	1		0.000				ND	
205 4-Ethyltoluene	1		0.000				ND	
206 n-Decane	57		0.000				ND	
207 1,4-Divinylbenzene	1		0.000				ND	
208 2,3-Dichloro-1,3-butadiene	1		0.000				ND	
209 3-Methyl-1-butene	1		0.000				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

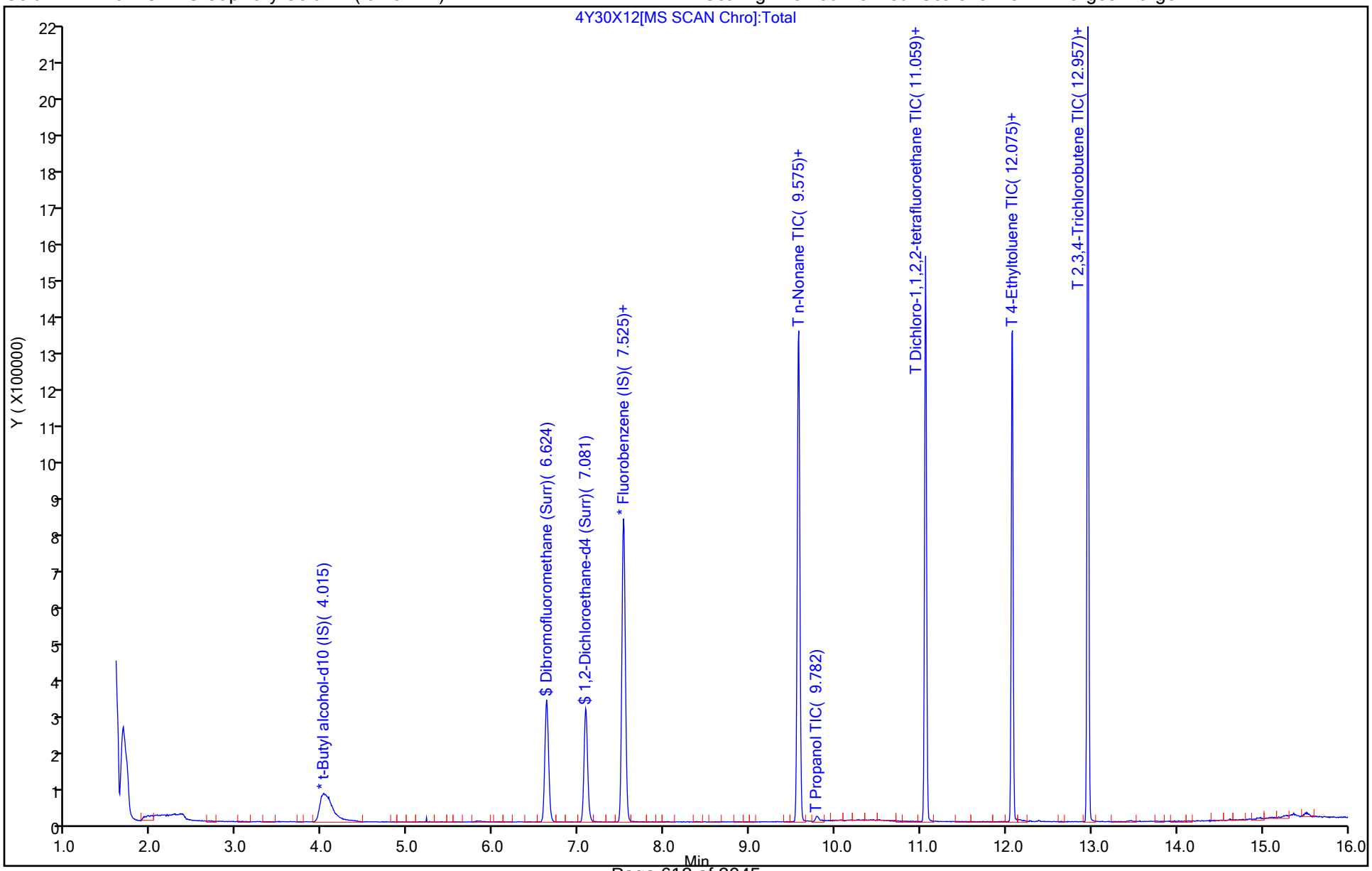
MSV_HP23_ISSS_00010 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 31-May-2023 11:04:11 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X12.D				
Injection Date:	30-May-2023 13:59:30	Instrument ID:	23297	Operator ID:	lcp00895
Lims ID:	410-127407-E-3	Lab Sample ID:	410-127407-3	Worklist Smp#:	13
Client ID:	FBW001_052023				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X12.D				
Lims ID:	410-127407-E-3				
Client ID:	FBW001_052023				
Sample Type:	Client				
Inject. Date:	30-May-2023 13:59:30	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0085281-013				
Operator ID:	lcp00895	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	31-May-2023 11:04:11	Calib Date:	05-Dec-2022 22:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1637				

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:04:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	51.8	103.66
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	52.1	104.26
$ 78 Toluene-d8 (Surr)	50.0	49.1	98.15
$ 140 4-Bromofluorobenzene (Surr)	50.0	49.2	98.41

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

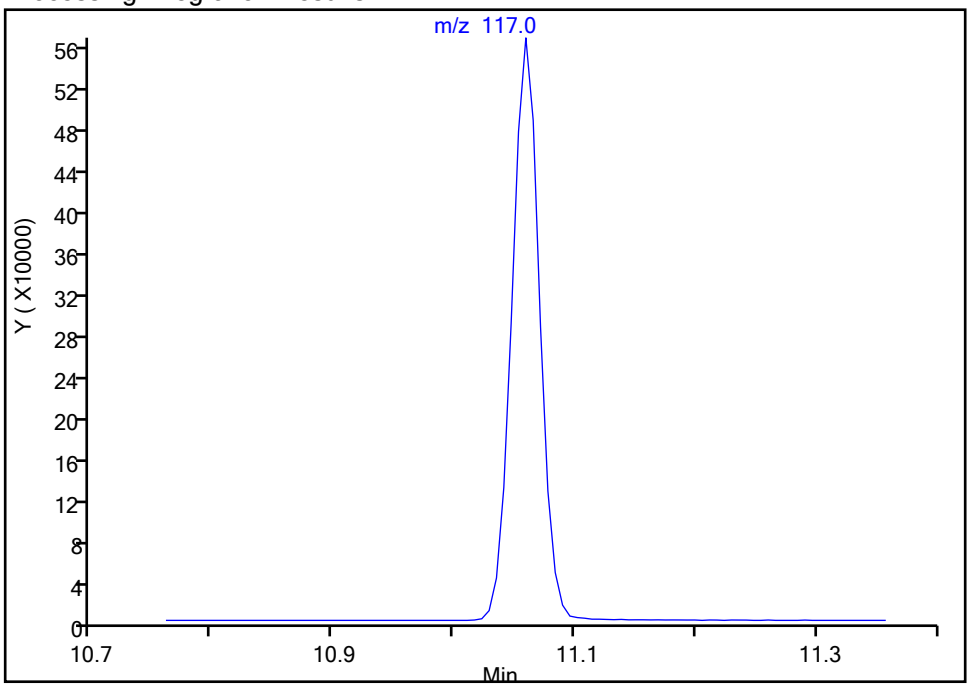
Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X12.D				
Injection Date:	30-May-2023 13:59:30	Instrument ID:	23297		
Lims ID:	410-127407-E-3	Lab Sample ID:	410-127407-3		
Client ID:	FBW001_052023				
Operator ID:	lcp00895	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 127 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

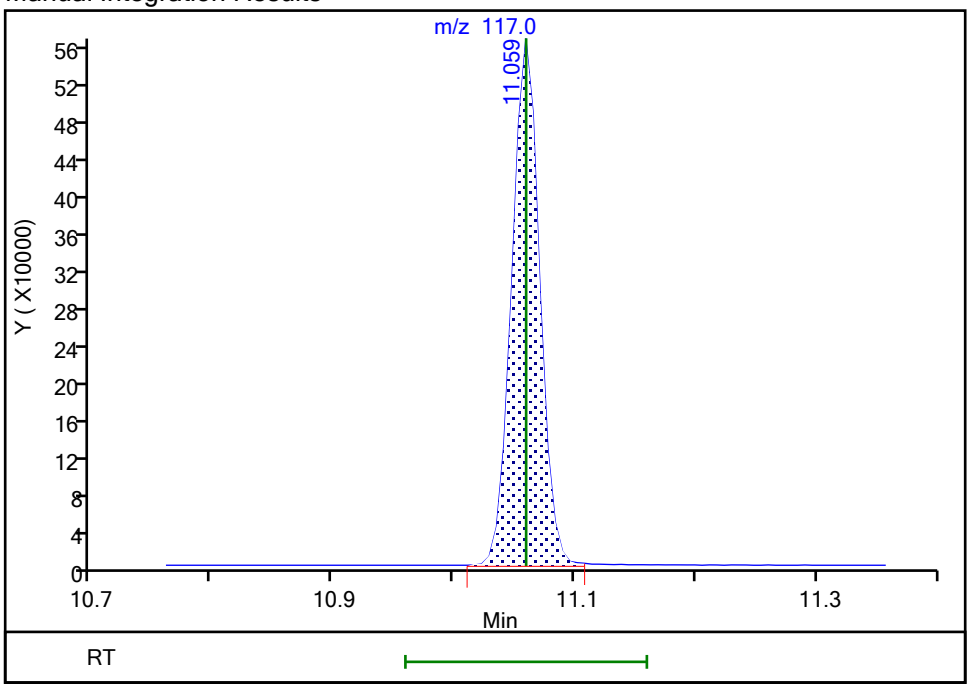
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 903452
Amount: 50.000000
Amount Units: ug/l



Reviewer: kaewrungrueangp, 31-May-2023 11:03:36 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: FB-01_052023 Lab Sample ID: 410-127407-4

Matrix: Water Lab File ID: 4Y30X10.D

Analysis Method: 8260C Date Collected: 05/18/2023 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 13:14

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.: 380934 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	cn	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	0.98	J	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.: 410-127407-1

SDG No.:

Client Sample ID: FB-01_052023 Lab Sample ID: 410-127407-4

Matrix: Water Lab File ID: 4Y30X10.D

Analysis Method: 8260C Date Collected: 05/18/2023 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 13:14

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.: 380934 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	cn	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)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X10.D
Lims ID: 410-127407-E-4
Client ID: FB-01_052023
Sample Type: Client
Inject. Date: 30-May-2023 13:14:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-011
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 10:48:14 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 10:48:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.873				ND	
4 Chloromethane	50		2.062				ND	7
5 Vinyl chloride	62		2.165				ND	
8 Bromomethane	94		2.500				ND	7
9 Chloroethane	64		2.573				ND	
11 Trichlorofluoromethane	101		2.859				ND	
17 1,1-Dichloroethene	96		3.394				ND	
18 Acetone	58		3.400				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.431				ND	
22 Carbon disulfide	76		3.680				ND	
24 Methyl acetate	43		3.796				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.027	4.015	0.012	23	455342	250.0	a
27 Methylene Chloride	84		4.021				ND	U
32 trans-1,2-Dichloroethene	96		4.410				ND	
31 Methyl tert-butyl ether	73		4.435				ND	
36 1,1-Dichloroethane	63		5.073				ND	
42 2-Butanone (MEK)	43		5.889				ND	7
43 cis-1,2-Dichloroethene	96		5.919				ND	
49 Chloroform	83	6.399	6.406	-0.007	91	10115	0.9786	
$ 50 Dibromofluoromethane (Surr)	113	6.625	6.625	0.000	94	326260	52.7	
51 1,1,1-Trichloroethane	97		6.643				ND	
52 Cyclohexane	56		6.746				ND	
53 Carbon tetrachloride	117		6.856				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.081	7.075	0.006	77	74917	53.0	
57 Benzene	78		7.117				ND	
58 1,2-Dichloroethane	62		7.184				ND	
* 61 Fluorobenzene (IS)	96	7.525	7.525	0.000	99	1188770	50.0	
65 Trichloroethene	95		8.012				ND	
66 Methylcyclohexane	83		8.322				ND	
67 1,2-Dichloropropane	63		8.340				ND	
73 Dichlorobromomethane	83		8.693				ND	
76 cis-1,3-Dichloropropene	75		9.253				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
77 4-Methyl-2-pentanone (MIBK)	43		9.435				ND	7
$ 78 Toluene-d8 (Surr)	98	9.575	9.575	0.000	92	1126990	47.9	
79 Toluene	92		9.654				ND	
80 trans-1,3-Dichloropropene	75		9.916				ND	
119 1,1,2-Trichloroethane	97		10.123				ND	
120 Tetrachloroethene	166		10.214				ND	
123 2-Hexanone	43		10.348				ND	
125 Chlorodibromomethane	129		10.506				ND	
126 Ethylene Dibromide	107		10.615				ND	
* 127 Chlorobenzene-d5 (IS)	117	11.060	11.060	0.000	83	916472	50.0	
129 Chlorobenzene	112		11.084				ND	
131 Ethylbenzene	91		11.175				ND	
S 132 Xylenes, Total	106		11.245				ND	7
133 m-Xylene & p-Xylene	106		11.291				ND	
134 o-Xylene	106		11.625				ND	
135 Styrene	104		11.637				ND	
136 Bromoform	173		11.796				ND	
137 Isopropylbenzene	105		11.929				ND	
$ 140 4-Bromofluorobenzene (Surr)	95	12.069	12.069	0.000	93	442043	49.4	
141 1,1,2,2-Tetrachloroethane	83		12.179				ND	
147 1,3,5-Trimethylbenzene	105		12.398				ND	
152 1,2,4-Trimethylbenzene	105		12.684				ND	
154 1,3-Dichlorobenzene	146		12.903				ND	
* 157 1,4-Dichlorobenzene-d4	152	12.958	12.958	0.000	93	570736	50.0	
158 1,4-Dichlorobenzene	146		12.976				ND	
163 1,2-Dichlorobenzene	146		13.237				ND	
166 1,2-Dibromo-3-Chloropropane	75		13.779				ND	
168 1,2,4-Trichlorobenzene	180		14.332				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

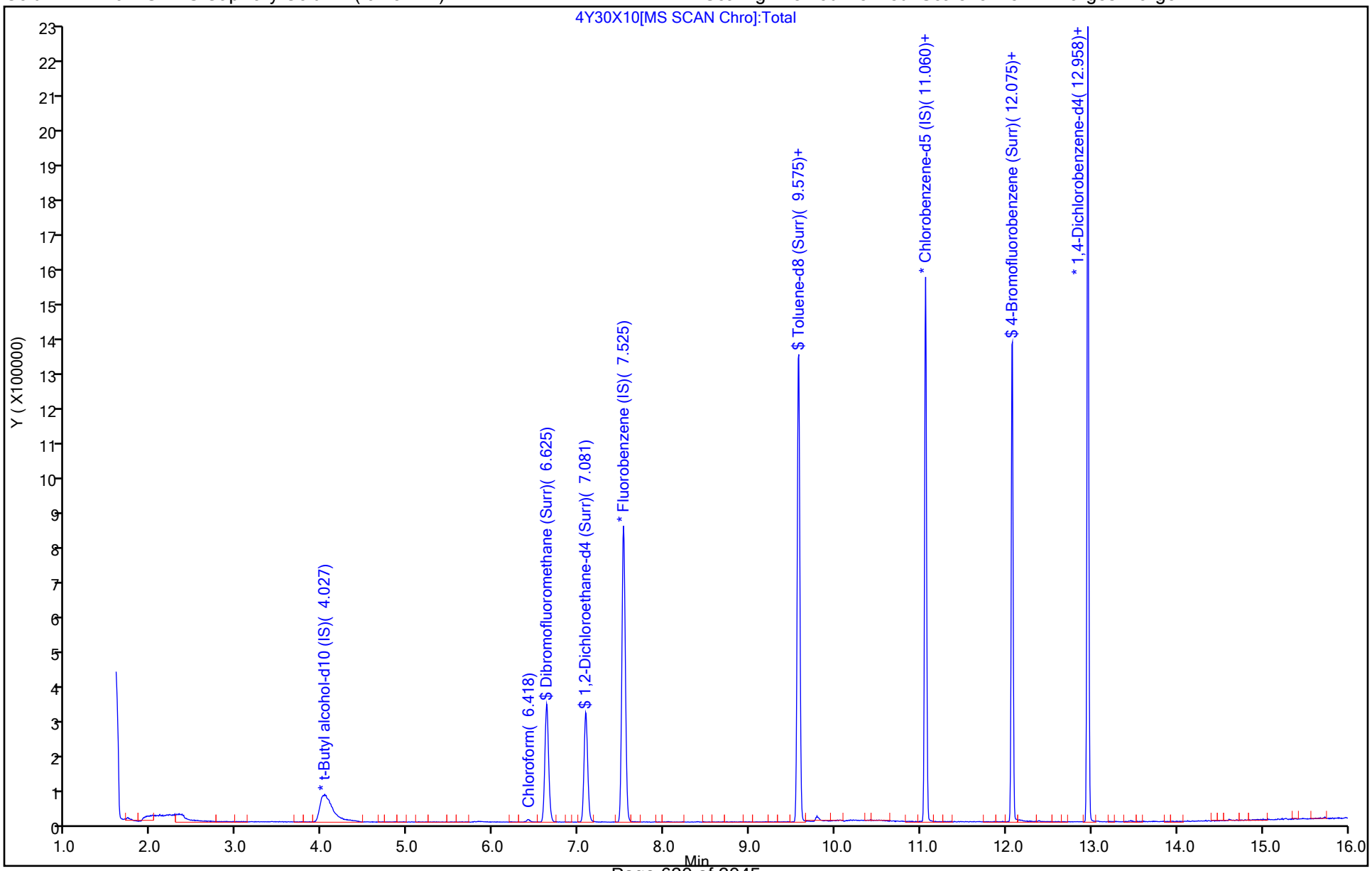
MSV_HP23_ISSS_00010 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 31-May-2023 10:48:14 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X10.D				
Injection Date:	30-May-2023 13:14:30	Instrument ID:	23297	Operator ID:	lcp00895
Lims ID:	410-127407-E-4	Lab Sample ID:	410-127407-4	Worklist Smp#:	11
Client ID:	FB-01_052023				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X10.D
Lims ID: 410-127407-E-4
Client ID: FB-01_052023
Sample Type: Client
Inject. Date: 30-May-2023 13:14:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-011
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 10:48:14 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 10:48:14

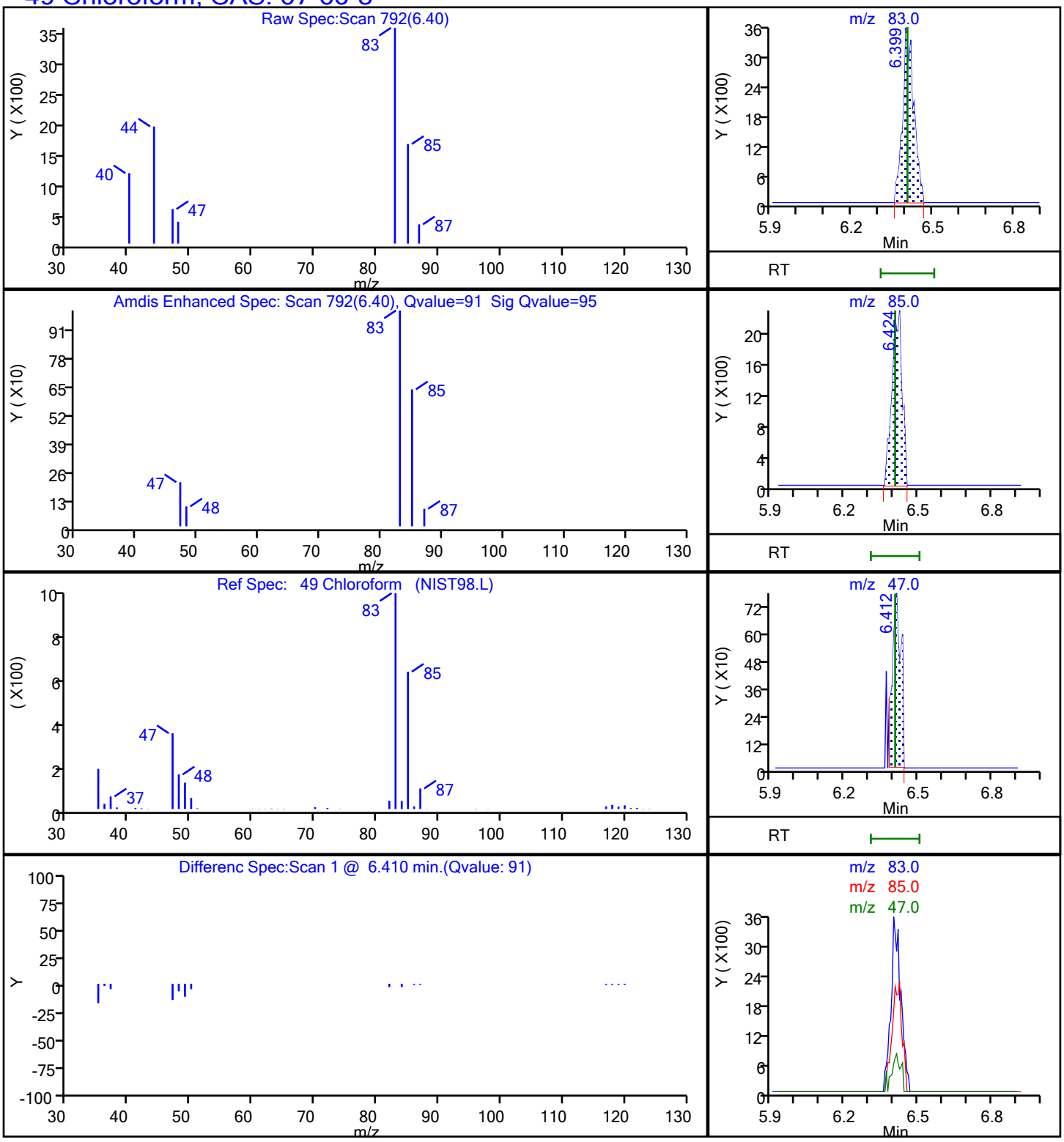
Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	52.7	105.42
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	53.0	106.06
$ 78 Toluene-d8 (Surr)	50.0	47.9	95.86
$ 140 4-Bromofluorobenzene (Surr)	50.0	49.4	98.75

Report Date: 31-May-2023 10:48:14 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X10.D				
Injection Date:	30-May-2023 13:14:30	Instrument ID:	23297		
Lims ID:	410-127407-E-4	Lab Sample ID:	410-127407-4		
Client ID:	FB-01_052023				
Operator ID:	lcp00895	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

49 Chloroform, CAS: 67-66-3



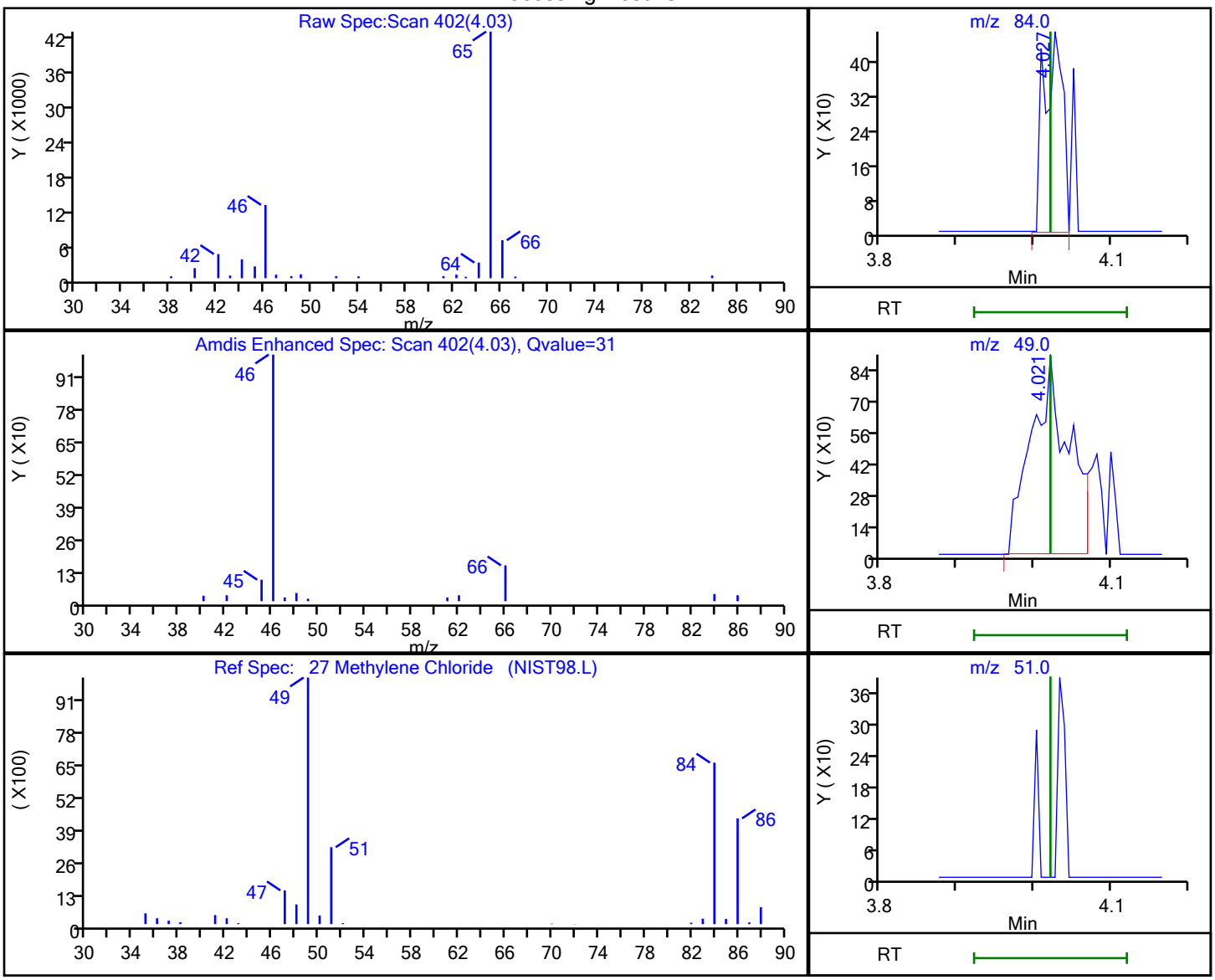
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X10.D				
Injection Date:	30-May-2023 13:14:30	Instrument ID:	23297		
Lims ID:	410-127407-E-4	Lab Sample ID:	410-127407-4		
Client ID:	FB-01_052023				
Operator ID:	lcp00895	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

27 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
4.03	84.00	783	0.122684
4.02	49.00	3090	
4.02	51.00	0	
4.02	86.00	0	

Reviewer: kaewrungrueangp, 31-May-2023 10:48:02 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

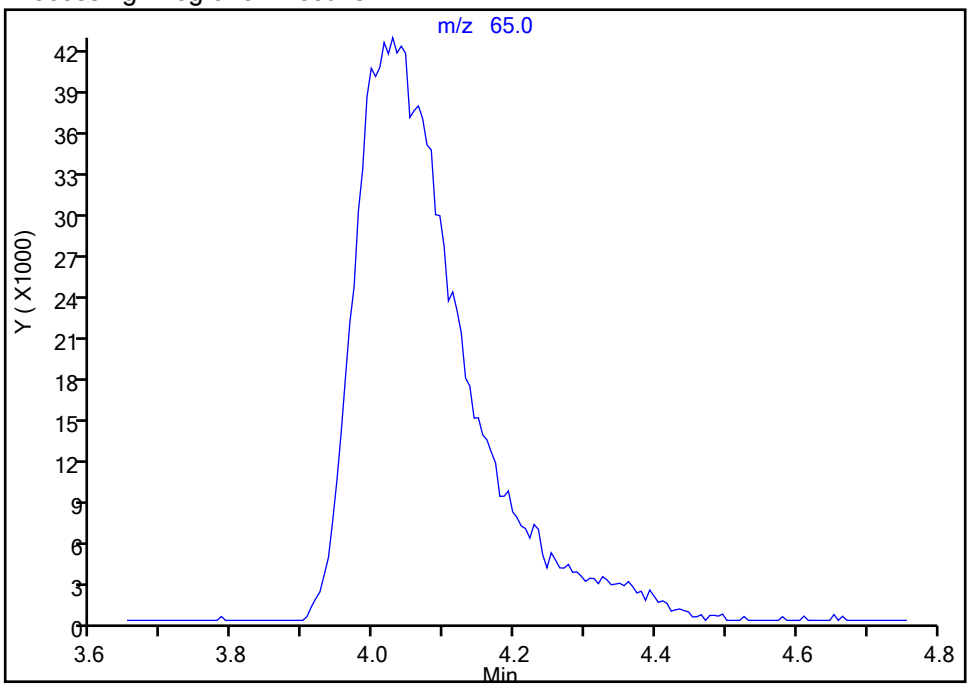
Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X10.D				
Injection Date:	30-May-2023 13:14:30	Instrument ID:	23297		
Lims ID:	410-127407-E-4	Lab Sample ID:	410-127407-4		
Client ID:	FB-01_052023				
Operator ID:	lcp00895	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 28 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

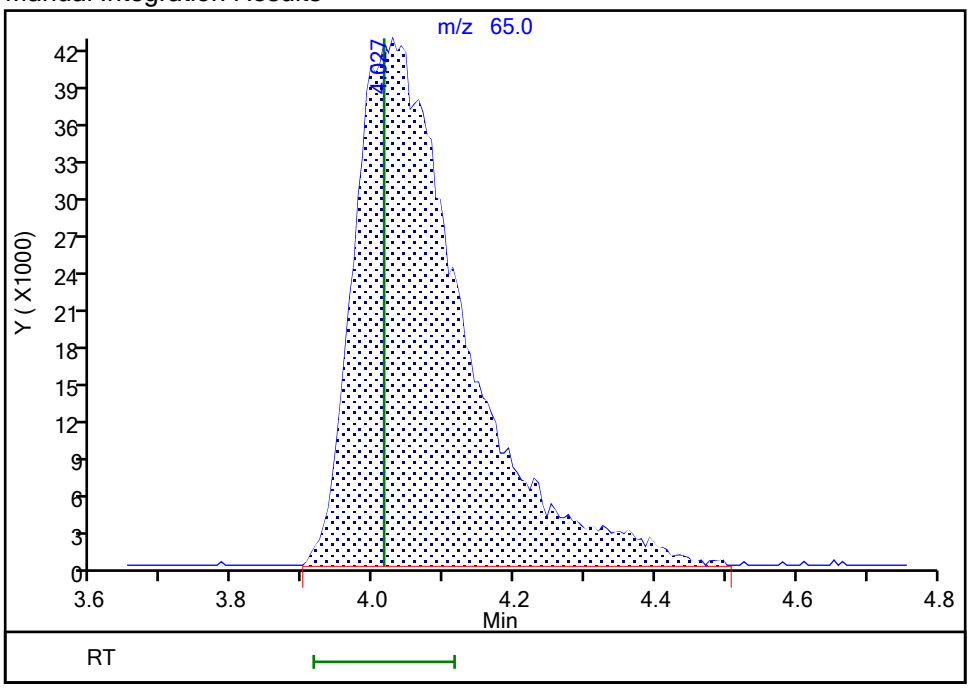
Not Detected
Expected RT: 4.01

Processing Integration Results



RT: 4.03
Area: 455342
Amount: 250.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: kaewrungrueangp, 31-May-2023 10:47:50 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: Trip Blank-01_052023 Lab Sample ID: 410-127407-5

Matrix: Water Lab File ID: 4Y30X11.D

Analysis Method: 8260C Date Collected: 05/18/2023 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 13:36

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.: 380934 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	cn	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.: 410-127407-1

SDG No.:

Client Sample ID: Trip Blank-01_052023 Lab Sample ID: 410-127407-5

Matrix: Water Lab File ID: 4Y30X11.D

Analysis Method: 8260C Date Collected: 05/18/2023 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 13:36

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.: 380934 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	cn	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)	108		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X11.D
Lims ID: 410-127407-A-5
Client ID: Trip Blank-01_052023
Sample Type: Client
Inject. Date: 30-May-2023 13:36:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-012
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 10:48:14 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:03:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.873				ND	
4 Chloromethane	50		2.062				ND	7
5 Vinyl chloride	62		2.165				ND	
8 Bromomethane	94		2.500				ND	7
9 Chloroethane	64		2.573				ND	
11 Trichlorofluoromethane	101		2.859				ND	
17 1,1-Dichloroethene	96		3.394				ND	
18 Acetone	58		3.400				ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.431				ND	
22 Carbon disulfide	76		3.680				ND	
24 Methyl acetate	43		3.796				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	4.015	4.015	-0.001	26	455329	250.0	
27 Methylene Chloride	84		4.021				ND	
32 trans-1,2-Dichloroethene	96		4.410				ND	
31 Methyl tert-butyl ether	73		4.435				ND	
36 1,1-Dichloroethane	63		5.073				ND	
42 2-Butanone (MEK)	43		5.889				ND	7
43 cis-1,2-Dichloroethene	96		5.919				ND	
49 Chloroform	83		6.406				ND	
$ 50 Dibromofluoromethane (Surr)	113	6.630	6.625	0.005	93	331350	52.7	
51 1,1,1-Trichloroethane	97		6.643				ND	
52 Cyclohexane	56		6.746				ND	
53 Carbon tetrachloride	117		6.856				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.087	7.075	0.012	77	77149	53.8	
57 Benzene	78		7.117				ND	
58 1,2-Dichloroethane	62		7.184				ND	
* 61 Fluorobenzene (IS)	96	7.531	7.525	0.006	99	1207171	50.0	
65 Trichloroethene	95		8.012				ND	
66 Methylcyclohexane	83		8.322				ND	
67 1,2-Dichloropropane	63		8.340				ND	
73 Dichlorobromomethane	83		8.693				ND	
76 cis-1,3-Dichloropropene	75		9.253				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
77 4-Methyl-2-pentanone (MIBK)	43		9.435				ND	
$ 78 Toluene-d8 (Surr)	98	9.575	9.575	0.000	92	1128719	49.1	
79 Toluene	92		9.654				ND	
80 trans-1,3-Dichloropropene	75		9.916				ND	
119 1,1,2-Trichloroethane	97		10.123				ND	
120 Tetrachloroethene	166		10.214				ND	
123 2-Hexanone	43		10.348				ND	
125 Chlorodibromomethane	129		10.506				ND	
126 Ethylene Dibromide	107		10.615				ND	
* 127 Chlorobenzene-d5 (IS)	117	11.059	11.060	-0.001	83	896719	50.0	
129 Chlorobenzene	112		11.084				ND	
131 Ethylbenzene	91		11.175				ND	
S 132 Xylenes, Total	106		11.245				ND	7
133 m-Xylene & p-Xylene	106		11.291				ND	
134 o-Xylene	106		11.625				ND	
135 Styrene	104		11.637				ND	
136 Bromoform	173		11.796				ND	
137 Isopropylbenzene	105		11.929				ND	
$ 140 4-Bromofluorobenzene (Surr)	95	12.075	12.069	0.006	94	442288	50.5	
141 1,1,2,2-Tetrachloroethane	83		12.179				ND	
147 1,3,5-Trimethylbenzene	105		12.398				ND	
152 1,2,4-Trimethylbenzene	105		12.684				ND	
154 1,3-Dichlorobenzene	146		12.903				ND	
* 157 1,4-Dichlorobenzene-d4	152	12.957	12.958	-0.001	94	564642	50.0	
158 1,4-Dichlorobenzene	146		12.976				ND	
163 1,2-Dichlorobenzene	146		13.237				ND	
166 1,2-Dibromo-3-Chloropropane	75		13.779				ND	
168 1,2,4-Trichlorobenzene	180		14.332				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

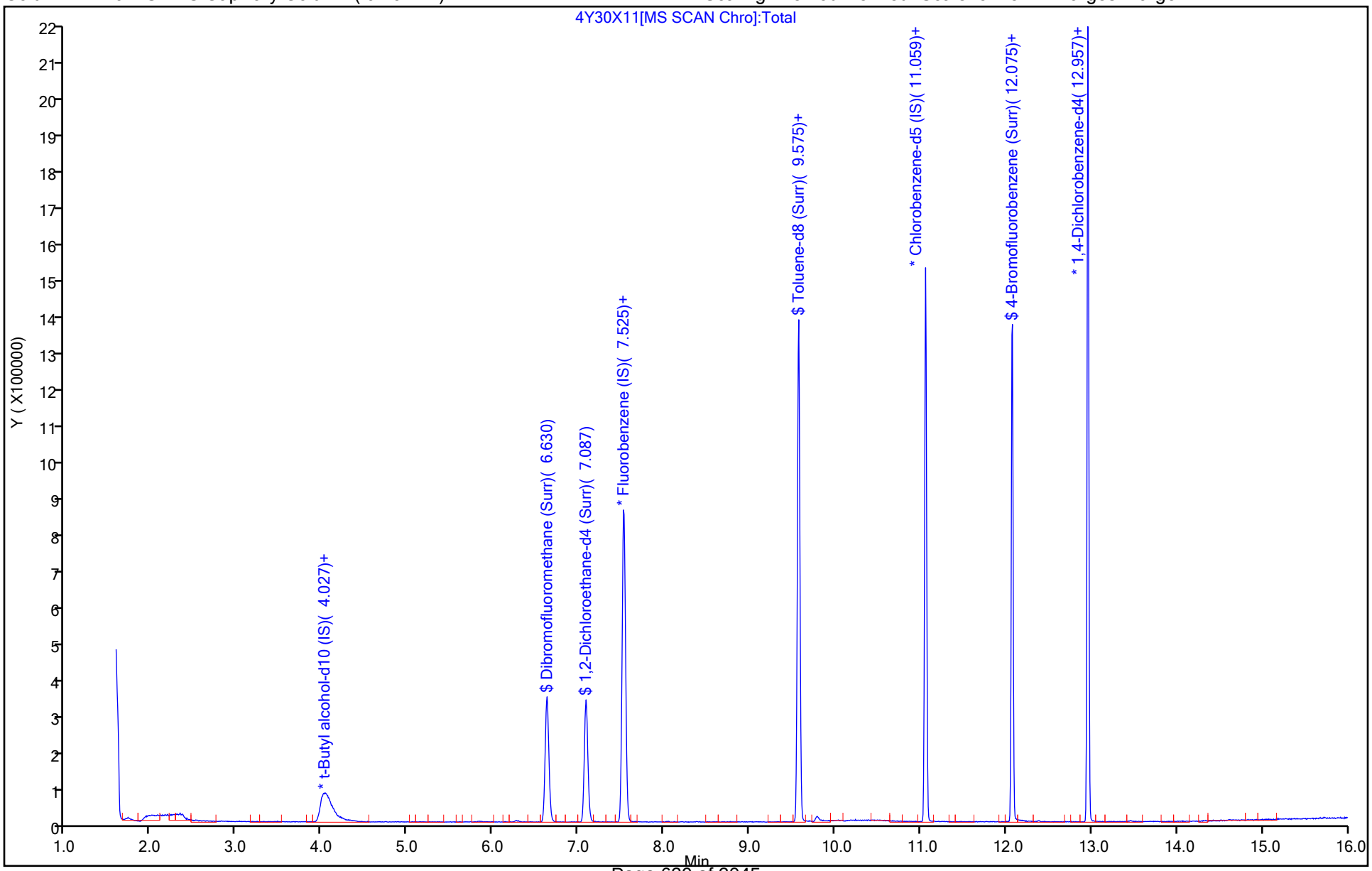
MSV_HP23_ISSS_00010 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 31-May-2023 11:03:28 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X11.D				
Injection Date:	30-May-2023 13:36:30	Instrument ID:	23297	Operator ID:	lcp00895
Lims ID:	410-127407-A-5	Lab Sample ID:	410-127407-5	Worklist Smp#:	12
Client ID:	Trip Blank-01_052023				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X11.D				
Lims ID:	410-127407-A-5				
Client ID:	Trip Blank-01_052023				
Sample Type:	Client				
Inject. Date:	30-May-2023 13:36:30	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0085281-012				
Operator ID:	lcp00895	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	31-May-2023 10:48:14	Calib Date:	05-Dec-2022 22:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1637				

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:03:28

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	52.7	105.43
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	53.8	107.55
$ 78 Toluene-d8 (Surr)	50.0	49.1	98.12
$ 140 4-Bromofluorobenzene (Surr)	50.0	50.5	100.98

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-323735/12	4D05X13.D
Level 2	IC 410-323735/13	4D05X12.D
Level 3	IC 410-323735/14	4D05X14.D
Level 4	IC 410-323735/15	4D05X15.D
Level 5	ICIS 410-323735/16	4D05X16.D
Level 6	IC 410-323735/17	4D05X17.D
Level 7	IC 410-323735/18	4D05X18.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	0.4991 0.4788	0.5468 0.4776	0.5014	0.5005	0.5039	Ave		0.5011			0.1000	4.6		20.0			
Chloromethane	0.4860 0.4125	0.4351 0.4061	0.4447	0.4256	0.4249	Ave		0.4336			0.1000	6.1		20.0			
Vinyl chloride	0.3535 0.4189	0.4149 0.4143	0.4391	0.4236	0.4299	Ave		0.4135			0.1000	6.7		20.0			
1,3-Butadiene	0.5098 0.3459	0.3595 0.3377	0.3649	0.3577	0.3644	Ave		0.3771				15.7		20.0			
Bromomethane	0.2679 0.2954	0.2820 0.2832	0.3296	0.3054	0.3005	Ave		0.2949			0.1000	6.8		20.0			
Chloroethane	0.2483 0.2045	0.2133 0.1991	0.2183	0.2166	0.2132	Ave		0.2162			0.1000	7.3		20.0			
Dichlorofluoromethane	0.6653 0.5316	0.5688 0.5138	0.5852	0.5470	0.5462	Ave		0.5654			0.1000	8.8		20.0			
Trichlorofluoromethane	0.4452 0.5502	0.4941 0.5431	0.5394	0.5545	0.5691	Ave		0.5279			0.1000	8.2		20.0			
n-Pentane	+++++ 0.3312	0.4255 0.3407	0.3443	0.3446	0.3182	Ave		0.3507				10.8		20.0			
Ethanol	0.0926 0.0653	0.0769 0.0632	0.0611	0.0602	0.0595	Ave		0.0684				17.8		20.0			
Freon 123a	0.2758 0.2905	0.3315 0.2888	0.3017	0.2905	0.2945	Ave		0.2962				5.9		20.0			
Acrolein	1.0546 0.8174	1.1237 1.1119	1.1710	1.1021	1.2020	Ave		1.0832				11.7		20.0			
1,1-Dichloroethene	0.2654 0.2295	0.2623 0.2296	0.2415	0.2406	0.2314	Ave		0.2429			0.1000	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 VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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								
Freon 113	0.2484 0.2691	0.2769 0.2633	0.2605	0.2793	0.2660	Ave		0.2662			0.1000	3.9		20.0			
Acetone	0.6617 0.4496	0.6277 0.5312	0.5865	0.5981	0.6024	Ave		0.5796			0.1000	12.0		20.0			
Methyl iodide	0.4577 0.4569	0.4820 0.4471	0.4572	0.4719	0.4571	Ave		0.4614				2.5		20.0			
2-Propanol	0.7141 0.5570	0.6869 0.5251	0.5673	0.6046	0.5222	Ave		0.5968				12.8		20.0			
Carbon disulfide	0.6992 0.7454	0.8117 0.7447	0.7379	0.7741	0.7433	Ave		0.7509			0.1000	4.6		20.0			
Methyl acetate	0.3159 0.2971	0.2960 0.2828	0.2945	0.3065	0.2887	Ave		0.2973			0.1000	3.7		20.0			
Allyl chloride	0.3582 0.2929	0.3267 0.2860	0.3215	0.3133	0.3005	Ave		0.3142				7.8		20.0			
Methylene Chloride	0.2869 0.2591	0.2859 0.2543	0.2696	0.2636	0.2596	Ave		0.2684			0.1000	4.9		20.0			
t-Butyl alcohol	1.2544 0.9802	1.0473 0.8082	1.0599	1.0037	0.8835	Ave		1.0053				14.1		20.0			
Acrylonitrile	0.1856 0.1666	0.1754 0.1581	0.1659	0.1674	0.1625	Ave		0.1688				5.4		20.0			
Methyl tertiary butyl ether	0.7673 0.7742	0.7837 0.7451	0.7622	0.7794	0.7744	Ave		0.7695			0.1000	1.7		20.0			
trans-1,2-Dichloroethene	0.2692 0.2329	0.2770 0.2216	0.2479	0.2473	0.2376	Ave		0.2476			0.1000	8.0		20.0			
n-Hexane	0.3112 0.3008	0.3804 0.2874	0.3288	0.3228	0.3009	Ave		0.3189				9.6		20.0			
1,1-Dichloroethane	0.3868 0.3911	0.4449 0.3732	0.4062	0.4098	0.3969	Ave		0.4013			0.2000	5.7		20.0			
di-Isopropyl ether	0.6907 0.6814	0.7152 0.6615	0.6804	0.6958	0.6726	Ave		0.6854				2.5		20.0			
2-Chloro-1,3-butadiene	0.3486 0.3205	0.3693 0.3044	0.3427	0.3382	0.3258	Ave		0.3356				6.3		20.0			
Ethyl t-butyl ether	0.6999 0.7196	0.7395 0.6967	0.7081	0.7251	0.7157	Ave		0.7149				2.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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	0.2610 0.1758	0.2166 0.2452	0.2196	0.2357	0.2474	Ave		0.2288			0.1000	12.3		20.0			
cis-1,2-Dichloroethene	0.2822 0.2632	0.2941 0.2506	0.2701	0.2716	0.2654	Ave		0.2710			0.1000	5.1		20.0			
2,2-Dichloropropane	0.4455 0.4027	0.4564 0.3978	0.4146	0.4178	0.3987	Ave		0.4191				5.6		20.0			
Propionitrile	0.9019 0.9401	0.9569 0.9204	0.8987	0.9417	0.8530	Ave		0.9161				3.8		20.0			
Methacrylonitrile	0.1901 0.1713	0.1804 0.1651	0.1636	0.1706	0.1686	Ave		0.1728				5.4		20.0			
Bromochloromethane	0.1438 0.1481	0.1609 0.1410	0.1519	0.1552	0.1516	Ave		0.1503				4.5		20.0			
Tetrahydrofuran	0.9689 0.8809	0.9496 0.8173	0.8779	0.8858	0.8594	Ave		0.8914				5.8		20.0			
Chloroform	0.4627 0.4205	0.4694 0.3962	0.4349	0.4330	0.4266	Ave		0.4348			0.2000	5.7		20.0			
1,1,1-Trichloroethane	0.4370 0.4093	0.4521 0.4047	0.4224	0.4254	0.4051	Ave		0.4223			0.1000	4.2		20.0			
Cyclohexane	0.4548 0.4201	0.4725 0.4193	0.4207	0.4422	0.4182	Ave		0.4354			0.1000	5.0		20.0			
Carbon tetrachloride	0.3399 0.3671	0.3793 0.3685	0.3656	0.3727	0.3656	Ave		0.3655			0.1000	3.4		20.0			
1,1-Dichloropropene	0.3134 0.3167	0.3469 0.3064	0.3242	0.3263	0.3171	Ave		0.3216				4.0		20.0			
Isobutyl alcohol	0.2940 0.3050	0.2669 0.2700	0.2852	0.2993	0.2855	Ave		0.2865				5.0		20.0			
Benzene	0.9552 0.9507	1.0148 0.9066	0.9593	0.9822	0.9430	Ave		0.9588			0.5000	3.5		20.0			
1,2-Dichloroethane	0.3699 0.3487	0.3733 0.3248	0.3494	0.3524	0.3512	Ave		0.3528			0.1000	4.5		20.0			
t-Amyl methyl ether	0.7199 0.7359	0.7306 0.7093	0.7121	0.7332	0.7309	Ave		0.7246				1.5		20.0			
n-Heptane	0.3292 0.3176	0.3638 0.3036	0.3206	0.3362	0.3210	Ave		0.3274				5.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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	0.2704 0.2545	0.2798 0.2428	0.2461	0.2533	0.2341	Ave		0.2544				6.3		20.0			
Trichloroethene	0.2751 0.2628	0.2919 0.2575	0.2677	0.2705	0.2616	Ave		0.2696			0.2000	4.2		20.0			
Methylcyclohexane	0.4684 0.4727	0.5041 0.4690	0.4615	0.4833	0.4664	Ave		0.4751			0.1000	3.0		20.0			
1,2-Dichloropropane	0.2317 0.2517	0.2576 0.2472	0.2513	0.2526	0.2469	Ave		0.2484			0.1000	3.3		20.0			
t-Amyl ethyl ether	0.3191 0.3446	0.3487 0.3664	0.3333	0.3568	0.3441	Ave		0.3447				4.5		20.0			
Methyl methacrylate	0.3062 0.2600	0.2602 0.2578	0.2456	0.2554	0.2543	Ave		0.2628				7.5		20.0			
1,4-Dioxane	0.0413 0.0740	0.0564 0.0749	0.0764	0.0745	0.0720	Ave		0.0671			0.0050	19.8		20.0			
Dibromomethane	0.1865 0.1874	0.1911 0.1829	0.1793	0.1861	0.1871	Ave		0.1858				2.0		20.0			
Bromodichloromethane	0.3629 0.3381	0.3382 0.3326	0.3282	0.3330	0.3302	Ave		0.3376			0.2000	3.5		20.0			
2-Nitropropane	1.5920 1.6714	1.6745 1.5299	1.6241	1.6487	1.6000	Ave		1.6201				3.2		20.0			
2-Chloroethyl vinyl ether	0.1671 0.2071	0.1899 0.2055	0.1864	0.1996	0.2014	Ave		0.1939				7.3		20.0			
cis-1,3-Dichloropropene	0.3663 0.4225	0.4133 0.4189	0.3952	0.4158	0.4166	Ave		0.4070			0.2000	4.9		20.0			
4-Methyl-2-pentanone	0.4268 0.3452	0.4250 0.4586	0.4393	0.4587	0.4977	Ave		0.4359			0.1000	10.8		20.0			
Toluene	0.7737 0.7955	0.8629 0.7548	0.8270	0.8210	0.7892	Ave		0.8034			0.4000	4.5		20.0			
trans-1,3-Dichloropropene	0.4696 0.5194	0.4900 0.4948	0.4903	0.4987	0.4895	Ave		0.4932			0.1000	3.0		20.0			
Ethyl methacrylate	0.5847 0.5368	0.5749 0.5073	0.5412	0.5503	0.5226	Ave		0.5454				5.0		20.0			
1,1,2-Trichloroethane	0.3483 0.3261	0.3417 0.3081	0.3191	0.3302	0.3184	Ave		0.3274			0.1000	4.3		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.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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	0.3277 0.3752	0.4112 0.3580	0.3887	0.3946	0.3708	Ave		0.3752			0.2000	7.2		20.0			
1,3-Dichloropropane	0.4676 0.5039	0.5152 0.4820	0.5040	0.5141	0.4938	Ave		0.4972				3.5		20.0			
2-Hexanone	0.4056 0.3268	0.4063 0.4218	0.4268	0.4375	0.4722	Ave		0.4139			0.1000	10.8		20.0			
Dibromochloromethane	0.3050 0.3877	0.3692 0.3780	0.3542	0.3798	0.3719	Ave		0.3637				7.7		20.0			
1,2-Dibromoethane	0.3499 0.3713	0.3668 0.3543	0.3559	0.3668	0.3588	Ave		0.3605			0.1000	2.2		20.0			
1-Chlorohexane	0.5693 0.4498	0.5420 0.4235	0.4822	0.4845	0.4509	Ave		0.4860				10.8		20.0			
Chlorobenzene	0.9359 0.9737	1.0543 0.9153	0.9874	1.0099	0.9639	Ave		0.9772			0.5000	4.7		20.0			
1,1,1,2-Tetrachloroethane	0.3325 0.3776	0.3835 0.3591	0.3601	0.3763	0.3633	Ave		0.3646				4.7		20.0			
Ethylbenzene	1.5788 1.5851	1.7682 1.4466	1.6665	1.6981	1.5895	Ave		1.6190			0.1000	6.4		20.0			
m&p-Xylene	0.6239 0.6371	0.7034 0.5919	0.6582	0.6687	0.6365	Ave		0.6457			0.1000	5.5		20.0			
o-Xylene	0.6470 0.6648	0.6968 0.6252	0.6673	0.6848	0.6601	Ave		0.6637			0.3000	3.5		20.0			
Styrene	1.0176 1.0713	1.1218 0.9983	1.0786	1.1041	1.0501	Ave		1.0631			0.3000	4.2		20.0			
Bromoform	0.2797 0.3138	0.2776 0.3101	0.2815	0.2985	0.2992	Ave		0.2943			0.1000	5.1		20.0			
Isopropylbenzene	1.6304 1.7363	1.8713 1.5558	1.7931	1.8353	1.7224	Ave		1.7349			0.1000	6.5		20.0			
Cyclohexanone	0.2721 0.2964	0.2911 0.2820	0.3048	0.3013	0.2865	Ave		0.2906				3.9		20.0			
1,1,2,2-Tetrachloroethane	1.0877 1.0771	1.0830 0.9942	1.0340	1.1094	1.0194	Ave		1.0578			0.3000	4.0		20.0			
Bromobenzene	0.7534 0.7772	0.7778 0.7284	0.7586	0.7869	0.7303	Ave		0.7589				3.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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	0.2963 0.3098	0.3046 0.2844	0.2791	0.3133	0.2903	Ave		0.2968				4.4		20.0			
1,2,3-Trichloropropane	0.3190 0.3212	0.3252 0.2941	0.3087	0.3330	0.3072	Ave		0.3155				4.1		20.0			
N-Propylbenzene	3.2362 3.5222	3.8402 2.9668	3.5512	3.7577	3.4061	Ave		3.4686				8.7		20.0			
2-Chlorotoluene	0.7045 0.7828	0.7913 0.7256	0.7505	0.8051	0.7355	Ave		0.7565				4.9		20.0			
1,3,5-Trimethylbenzene	2.5067 2.7111	2.8050 2.4174	2.5910	2.7633	2.5605	Ave		2.6222				5.4		20.0			
4-Chlorotoluene	0.7297 0.7664	0.8191 0.7152	0.7517	0.7809	0.7246	Ave		0.7554				4.9		20.0			
tert-Butylbenzene	0.4319 0.5386	0.5147 0.5100	0.4808	0.5320	0.4974	Ave		0.5008				7.2		20.0			
1,2,4-Trimethylbenzene	2.6322 2.7976	2.9066 2.4859	2.7257	2.9208	2.6612	Ave		2.7329				5.7		20.0			
sec-Butylbenzene	3.0488 3.4136	3.5036 2.9775	3.2949	3.5503	3.2906	Ave		3.2970				6.6		20.0			
1,3-Dichlorobenzene	1.5140 1.5133	1.6284 1.3787	1.4949	1.5761	1.4414	Ave		1.5067			0.6000	5.5		20.0			
p-Isopropyltoluene	2.7637 3.0975	3.1387 2.6838	2.9757	3.1940	2.9425	Ave		2.9708				6.4		20.0			
1,4-Dichlorobenzene	1.5049 1.4667	1.5824 1.3397	1.4539	1.5318	1.3918	Ave		1.4673			0.5000	5.6		20.0			
1,2,3-Trimethylbenzene	2.6381 2.9016	2.9372 2.5716	2.7569	2.9647	2.7309	Ave		2.7859				5.5		20.0			
Benzyl chloride	1.9703 2.1347	2.0867 1.9080	1.9932	2.1667	2.0166	Ave		2.0395				4.6		20.0			
1,3-Diethylbenzene	1.6260 1.8621	1.9118 1.6766	1.7932	1.9108	1.7683	Ave		1.7927				6.2		20.0			
1,4-Diethylbenzene	1.8136 1.9247	2.0333 1.7192	1.9032	1.9965	1.8471	Ave		1.8911				5.7		20.0			
n-Butylbenzene	1.4021 1.4941	1.5922 1.3444	1.4889	1.5591	1.4336	Ave		1.4735				5.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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	1.5743 1.5803	1.6611 1.4193	1.5660	1.6503	1.5037	Ave		1.5650			0.4000	5.3		20.0			
1,2-Diethylbenzene	1.3690 1.5513	1.5493 1.4179	1.4551	1.5476	1.4504	Ave		1.4772				4.9		20.0			
1,2-Dibromo-3-Chloropropane	0.3479 0.3252	0.3104 0.2957	0.2969	0.3223	0.3019	Ave		0.3143			0.0500	6.0		20.0			
1,3,5-Trichlorobenzene	1.1787 1.2333	1.2712 1.1023	1.1985	1.2719	1.1729	Ave		1.2041				5.0		20.0			
1,2,4-Trichlorobenzene	1.1989 1.1873	1.2129 1.0497	1.1402	1.2139	1.1110	Ave		1.1591			0.2000	5.3		20.0			
Hexachlorobutadiene	0.4186 0.4516	0.4410 0.4167	0.4120	0.4409	0.4298	Ave		0.4301				3.5		20.0			
Naphthalene	4.2306 4.0923	4.1878 3.3741	3.9307	4.3212	3.8939	Ave		4.0044				7.9		20.0			
1,2,3-Trichlorobenzene	1.1883 1.1844	1.1993 1.0734	1.1399	1.2325	1.0964	Ave		1.1592				5.0		20.0			
2-Methylnaphthalene	2.5878 2.5545	2.3533 2.2721	2.2620	2.5125	2.3547	Ave		2.4139				5.6		20.0			
Dibromofluoromethane (Surr)	0.2664 0.2592	0.2631 0.2518	0.2613	0.2588	0.2617	Ave		0.2603				1.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0600 0.0582	0.0590 0.0598	0.0579	0.0599	0.0612	Ave		0.0594				1.9		20.0			
Toluene-d8 (Surr)	1.2873 1.2729	1.3001 1.2665	1.2957	1.2858	1.2711	Ave		1.2828				1.0		20.0			
4-Bromofluorobenzene (Surr)	0.4880 0.4798	0.4911 0.4929	0.4918	0.4868	0.4886	Ave		0.4884				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 Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-323735/12	4D05X13.D
Level 2	IC 410-323735/13	4D05X12.D
Level 3	IC 410-323735/14	4D05X14.D
Level 4	IC 410-323735/15	4D05X15.D
Level 5	ICIS 410-323735/16	4D05X16.D
Level 6	IC 410-323735/17	4D05X17.D
Level 7	IC 410-323735/18	4D05X18.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	12810 1245928	56992 3746023	129981	257011	665042	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	12474 1073439	45352 3185376	115303	218554	560762	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	9072 1090193	43248 3249286	113852	217528	567338	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	13085 900153	37477 2649018	94601	183666	480941	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	6877 768783	29395 2221103	85464	156787	396560	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	6372 532238	22238 1561925	56604	111240	281399	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	17075 1383334	59287 4030183	151718	280882	720909	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	11426 1431859	51501 4259646	139844	284724	751060	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	+++++ 861742	44357 2672365	89253	176954	419957	+++++ 100	4.00 300	10.0	20.0	50.0
Ethanol	TBAd 10	Ave	12535 350354	39282 1044271	60664	126780	161753	62.5 2500	250 7500	500	1000	1250
Freon 123a	FB	Ave	7080 756022	34555 2265633	78223	149145	388677	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd 10	Ave	22845 1754198	91804 7353828	232360	464322	1305947	10.00 1000	40.0 3000	100.0	200	500
1,1-Dichloroethene	FB	Ave	6812	27338	62599	123560	305472	1.00	4.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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
			597324	1800824				100	300			
Freon 113	FB	Ave	6375 700292	28864 2065050	67538	143399	351069	1.00 100	4.00 300	10.0	20.0	50.0
Acetone	TBAd 10	Ave	2867 192964	10257 702661	23276	50397	130893	2.00 200	8.00 600	20.0	40.0	100
Methyl iodide	FB	Ave	11747 1188956	50247 3506907	118542	242294	603292	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd 10	Ave	7735 597732	28062 1736602	56284	127366	283680	5.00 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	17947 1939679	84611 5841157	191319	397468	981029	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	8108 773192	30851 2217826	76361	157359	381012	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	9195 762318	34056 2243352	83354	160868	396644	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	7364 674314	29802 1994418	69901	135369	342637	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd 10	Ave	13587 1051851	42783 2672719	105159	211444	479970	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	11910 1083978	45717 3100596	107539	214914	536309	2.50 250	10.0 750	25.0	50.0	125
Methyl tertiary butyl ether	FB	Ave	19694 2014624	81690 5844054	197599	400198	1022047	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	6910 606002	28878 1737974	64259	127000	313547	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	7987 782859	39653 2254217	85241	165734	397106	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	9929 1017704	46376 2927603	105313	210403	523820	1.00 100	4.00 300	10.0	20.0	50.0
di-Isopropyl ether	FB	Ave	17729 1773131	74551 5188575	176390	357262	887778	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	8948 833982	38492 2387479	88860	173659	429949	1.00 100	4.00 300	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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
Ethyl t-butyl ether	FB	Ave	17964 1872460	77080 5464623	183595	372329	944594	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone	FB	Ave	13398 915104	45164 3846239	113877	242084	653035	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	7242 684823	30660 1965949	70037	139482	350217	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	11434 1047903	47572 3119947	107478	214549	526219	1.00 100	4.00 300	10.0	20.0	50.0
Propionitrile	TBAd 10	Ave	9769 1008827	39089 3043811	89170	198390	463383	5.00 500	20.0 1500	50.0	100	250
Methacrylonitrile	FB	Ave	12195 1114306	47001 3237262	106065	218974	556417	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	3690 385420	16772 1105597	39374	79689	200052	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd 10	Ave	10495 945294	38794 2702838	87108	186608	466869	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	11877 1094166	48932 3107311	112742	222354	563056	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	11216 1065189	47124 3174024	109514	218446	534702	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	11672 1093177	49255 3289244	109061	227055	551935	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	8723 955353	39532 2890504	94773	191378	482594	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	8043 824170	36158 2403471	84049	167524	418456	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd 10	Ave	7962 818170	27256 2231928	70745	157627	387699	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	24516 2473930	105779 7111138	248710	504327	1244631	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	9495 907361	38909 2547625	90581	180952	463510	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	18478	76154	184618	376487	964704	1.00	4.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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
			1915032	5563490				100	300			
n-Heptane	FB	Ave	8449 826601	37919 2381100	83107	172607	423614	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd 10	Ave	7323 682732	28575 2007047	61035	133402	317894	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	7060 683824	30423 2019700	69410	138875	345264	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	12023 1230191	52544 3678671	119655	248173	615530	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	5947 654866	26855 1939179	65160	129717	325874	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	8190 896805	36349 2873671	86417	183195	454189	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	7859 676685	27123 2022456	63674	131127	335602	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd 10	Ave	1118 198482	5759 619636	18949	39260	97833	12.5 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	4787 487628	19920 1434383	46475	95550	246926	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	9314 879785	35252 2608943	85094	170981	435777	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd 10	Ave	17244 1793472	68405 5059423	161143	347326	869189	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	4289 538836	19792 1611914	48336	102511	265783	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	9403 1099488	43085 3286142	102470	213489	549839	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone	FB	Ave	21911 1796533	88596 7194965	227781	471083	1313840	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd 5	Ave	15302 1641781	68283 4829195	164259	326166	832286	1.00 100	4.00 300	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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
trans-1,3-Dichloropropene	CBZd 5	Ave	9288 1071934	38775 3165918	97383	198115	516246	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd 5	Ave	11564 1107865	45492 3245872	107506	218622	551160	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd 5	Ave	6889 673086	27043 1971175	63380	131183	335785	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd 5	Ave	6482 774360	32541 2290516	77200	156774	390994	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd 5	Ave	9248 1039913	40771 3083510	100114	204222	520718	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd 5	Ave	16043 1348924	64297 5397488	169567	347606	995963	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd 5	Ave	6033 800263	29214 2418675	70361	150890	392168	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane	CBZd 5	Ave	6921 766347	29023 2266682	70687	145697	378366	1.00 100	4.00 300	10.0	20.0	50.0
1-Chlorohexane	CBZd 5	Ave	11260 928414	42893 2709204	95784	192466	475542	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd 5	Ave	18510 2009560	83432 5855665	196115	401183	1016493	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	6577 779365	30344 2297179	71523	149489	383117	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd 5	Ave	31225 3271447	139923 9254796	331016	674584	1676284	1.00 100	4.00 300	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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
m&p-Xylene	CBZd 5	Ave	24681 2629972	111320 7573238	261487	531315	1342408	2.00 200	8.00 600	20.0	40.0	100
o-Xylene	CBZd 5	Ave	12797 1372005	55141 3999685	132536	272040	696144	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd 5	Ave	20127 2211047	88776 6387205	214241	438591	1107428	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd 5	Ave	5532 647663	21966 1984093	55914	118573	315562	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd 5	Ave	32247 3583626	148079 9953495	356164	729068	1816476	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd 10	Ave	29471 795072	118942 2331409	151222	317369	389111	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	12479 1254733	50350 3667182	122536	254738	633392	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd 4	Ave	8643 905410	36161 2686704	89892	180686	453794	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	8498 902312	35408 2622615	82682	179855	450976	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd 4	Ave	3660 374222	15118 1084581	36586	76468	190898	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	37127 4103150	178541 10942877	420830	862856	2116411	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	8082 911878	36788 2676445	88939	184877	457017	1.00 100	4.00 300	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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
1,3,5-Trimethylbenzene	DCBd 4	Ave	28758 3158285	130415 8916398	307042	634527	1590999	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	8372 892789	38084 2637770	89084	179304	450259	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	4955 627395	23929 1881108	56974	122170	309070	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	30198 3259035	135136 9168995	323006	670693	1653588	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	34977 3976652	162893 10982305	390457	815235	2044632	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	17369 1762893	75711 5085233	177146	361913	895616	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd 4	Ave	31707 3608406	145927 9898860	352634	733434	1828324	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	17265 1708577	73570 4941404	172292	351729	864798	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	30265 3380225	136558 9484976	326709	680774	1696898	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd 4	Ave	22604 2486760	97016 7037606	236208	497531	1253027	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd 4	Ave	18654 2169203	88885 6184146	212499	438770	1098776	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd 4	Ave	20806 2242112	94535 6340978	225536	458442	1147711	1.00 100	4.00 300	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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-Butylbenzene	DCBd 4	Ave	16086 1740522	74028 4958581	176442	358011	890788	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	18061 1840939	77229 5235034	185575	378956	934311	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd 4	Ave	15706 1807128	72032 5229730	172436	355362	901242	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	3991 378801	14432 1090574	35182	74003	187575	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	13523 1436698	59101 4065556	142022	292051	728811	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	13754 1383089	56391 3871696	135123	278751	690326	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	4802 526053	20502 1537090	48824	101235	267051	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd 4	Ave	48535 4767281	194706 12444951	465808	992248	2419541	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	13633 1379776	55758 3958956	135088	283009	681258	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd 4	Ave	29688 2975903	109412 8380542	268057	576942	1463136	1.00 100	4.00 300	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	341894 337285	342770 329221	338721	332208	345437	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	77056 75700	76824 78144	75066	76828	80808	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd 5	Ave	1272970	1286069	1286847	1277014	1340509	50.0	50.0	50.0	50.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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
			1313627	1350491				50.0	50.0			
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	482604 495088	485755 525590	488402	483432	515301	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend
Ave = Average ISTD

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-323735/12	4D05X13.D
Level 2	IC 410-323735/13	4D05X12.D
Level 3	IC 410-323735/14	4D05X14.D
Level 4	IC 410-323735/15	4D05X15.D
Level 5	ICIS 410-323735/16	4D05X16.D
Level 6	IC 410-323735/17	4D05X17.D
Level 7	IC 410-323735/18	4D05X18.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	-0.4 -4.7	9.1	0.0	-0.1	0.5	-4.5	50 30	30	30	30	30	30
Chloromethane	12.1 -6.3	0.4	2.6	-1.8	-2.0	-4.9	50 30	30	30	30	30	30
Vinyl chloride	-14.5 0.2	0.4	6.2	2.5	4.0	1.3	50 30	30	30	30	30	30
1,3-Butadiene	35.2 -10.5	-4.7	-3.2	-5.2	-3.4	-8.3	50 30	30	30	30	30	30
Bromomethane	-9.1 -4.0	-4.4	11.8	3.6	1.9	0.2	50 30	30	30	30	30	30
Chloroethane	14.8 -7.9	-1.3	1.0	0.2	-1.4	-5.4	50 30	30	30	30	30	30
Dichlorofluoromethane	17.7 -9.1	0.6	3.5	-3.3	-3.4	-6.0	50 30	30	30	30	30	30
Trichlorofluoromethane	-15.7 2.9	-6.4	2.2	5.0	7.8	4.2	50 30	30	30	30	30	30
n-Pentane	+++++ -2.9	21.3	-1.8	-1.7	-9.3	-5.6	 30	50	30	30	30	30
Ethanol	35.3 -7.7	12.5	-10.6	-12.0	-12.9	-4.5	50 30	30	30	30	30	30
Freon 123a	-6.9 -2.5	11.9	1.9	-1.9	-0.6	-1.9	50 30	30	30	30	30	30
Acrolein	-2.6 2.6	3.7	8.1	1.7	11.0	-24.5	50 30	30	30	30	30	30
1,1-Dichloroethene	9.3 -5.5	8.0	-0.6	-0.9	-4.7	-5.5	50 30	30	30	30	30	30
Freon 113	-6.7 -1.1	4.0	-2.1	4.9	-0.1	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 Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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
Acetone	14.2 -8.3	8.3	1.2	3.2	3.9	-22.4	50 30	30	30	30	30	30
Methyl iodide	-0.8 -3.1	4.5	-0.9	2.3	-0.9	-1.0	50 30	30	30	30	30	30
2-Propanol	19.7 -12.0	15.1	-4.9	1.3	-12.5	-6.7	50 30	30	30	30	30	30
Carbon disulfide	-6.9 -0.8	8.1	-1.7	3.1	-1.0	-0.7	50 30	30	30	30	30	30
Methyl acetate	6.2 -4.9	-0.5	-0.9	3.1	-2.9	-0.1	50 30	30	30	30	30	30
Allyl chloride	14.0 -9.0	4.0	2.3	-0.3	-4.3	-6.8	50 30	30	30	30	30	30
Methylene Chloride	6.9 -5.3	6.5	0.4	-1.8	-3.3	-3.5	50 30	30	30	30	30	30
t-Butyl alcohol	24.8 -19.6	4.2	5.4	-0.2	-12.1	-2.5	50 30	30	30	30	30	30
Acrylonitrile	10.0 -6.3	3.9	-1.7	-0.8	-3.7	-1.3	50 30	30	30	30	30	30
Methyl tertiary butyl ether	-0.3 -3.2	1.9	-0.9	1.3	0.6	0.6	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	8.7 -10.5	11.9	0.1	-0.1	-4.1	-6.0	50 30	30	30	30	30	30
n-Hexane	-2.4 -9.9	19.3	3.1	1.2	-5.7	-5.7	50 30	30	30	30	30	30
1,1-Dichloroethane	-3.6 -7.0	10.9	1.2	2.1	-1.1	-2.5	50 30	30	30	30	30	30
di-Isopropyl ether	0.8 -3.5	4.4	-0.7	1.5	-1.9	-0.6	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	3.9 -9.3	10.0	2.1	0.8	-2.9	-4.5	50 30	30	30	30	30	30
Ethyl t-butyl ether	-2.1 -2.6	3.4	-0.9	1.4	0.1	0.6	50 30	30	30	30	30	30
2-Butanone	14.1 7.2	-5.3	-4.0	3.0	8.1	-23.1	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	4.1 -7.5	8.5	-0.3	0.2	-2.1	-2.9	50 30	30	30	30	30	30
2,2-Dichloropropane	6.3 -5.1	8.9	-1.1	-0.3	-4.9	-3.9	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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	-1.5 0.5	4.4	-1.9	2.8	-6.9	2.6	50 30	30	30	30	30	30
Methacrylonitrile	10.0 -4.5	4.4	-5.3	-1.3	-2.4	-0.9	50 30	30	30	30	30	30
Bromochloromethane	-4.4 -6.2	7.0	1.0	3.2	0.8	-1.5	50 30	30	30	30	30	30
Tetrahydrofuran	8.7 -8.3	6.5	-1.5	-0.6	-3.6	-1.2	50 30	30	30	30	30	30
Chloroform	6.4 -8.9	8.0	0.0	-0.4	-1.9	-3.3	50 30	30	30	30	30	30
1,1,1-Trichloroethane	3.5 -4.2	7.1	0.0	0.7	-4.1	-3.1	50 30	30	30	30	30	30
Cyclohexane	4.4 -3.7	8.5	-3.4	1.6	-4.0	-3.5	50 30	30	30	30	30	30
Carbon tetrachloride	-7.0 0.8	3.8	0.0	2.0	0.0	0.4	50 30	30	30	30	30	30
1,1-Dichloropropene	-2.5 -4.7	7.9	0.8	1.5	-1.4	-1.5	50 30	30	30	30	30	30
Isobutyl alcohol	2.6 -5.8	-6.9	-0.5	4.4	-0.4	6.4	50 30	30	30	30	30	30
Benzene	-0.4 -5.4	5.8	0.0	2.4	-1.6	-0.8	50 30	30	30	30	30	30
1,2-Dichloroethane	4.9 -7.9	5.8	-1.0	-0.1	-0.5	-1.2	50 30	30	30	30	30	30
t-Amyl methyl ether	-0.6 -2.1	0.8	-1.7	1.2	0.9	1.6	50 30	30	30	30	30	30
n-Heptane	0.5 -7.3	11.1	-2.1	2.7	-2.0	-3.0	50 30	30	30	30	30	30
n-Butanol	6.3 -4.6	10.0	-3.3	-0.4	-8.0	0.0	50 30	30	30	30	30	30
Trichloroethene	2.0 -4.5	8.3	-0.7	0.3	-3.0	-2.5	50 30	30	30	30	30	30
Methylcyclohexane	-1.4 -1.3	6.1	-2.9	1.7	-1.8	-0.5	50 30	30	30	30	30	30
1,2-Dichloropropane	-6.7 -0.5	3.7	1.2	1.7	-0.6	1.3	50 30	30	30	30	30	30
t-Amyl ethyl ether	-7.4 6.3	1.2	-3.3	3.5	-0.2	0.0	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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	16.5 -1.9	-1.0	-6.5	-2.8	-3.2	-1.0	50 30	30	30	30	30	30
1,4-Dioxane	-38.5 11.7	-15.9	13.9	11.1	7.4	10.3	50 30	30	30	30	30	30
Dibromomethane	0.4 -1.6	2.9	-3.5	0.2	0.7	0.9	50 30	30	30	30	30	30
Bromodichloromethane	7.5 -1.5	0.2	-2.8	-1.4	-2.2	0.1	50 30	30	30	30	30	30
2-Nitropropane	-1.7 -5.6	3.4	0.2	1.8	-1.2	3.2	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-13.8 6.0	-2.1	-3.8	3.0	3.9	6.8	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-10.0 2.9	1.6	-2.9	2.2	2.4	3.8	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-2.1 5.2	-2.5	0.8	5.2	14.2	-20.8	50 30	30	30	30	30	30
Toluene	-3.7 -6.1	7.4	2.9	2.2	-1.8	-1.0	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-4.8 0.3	-0.6	-0.6	1.1	-0.7	5.3	50 30	30	30	30	30	30
Ethyl methacrylate	7.2 -7.0	5.4	-0.8	0.9	-4.2	-1.6	50 30	30	30	30	30	30
1,1,2-Trichloroethane	6.4 -5.9	4.4	-2.5	0.9	-2.8	-0.4	50 30	30	30	30	30	30
Tetrachloroethene	-12.6 -4.6	9.6	3.6	5.2	-1.2	0.0	50 30	30	30	30	30	30
1,3-Dichloropropane	-6.0 -3.1	3.6	1.4	3.4	-0.7	1.3	50 30	30	30	30	30	30
2-Hexanone	-2.0 1.9	-1.8	3.1	5.7	14.1	-21.0	50 30	30	30	30	30	30
Dibromochloromethane	-16.1 3.9	1.5	-2.6	4.4	2.2	6.6	50 30	30	30	30	30	30
1,2-Dibromoethane	-2.9 -1.7	1.7	-1.3	1.7	-0.5	3.0	50 30	30	30	30	30	30
1-Chlorohexane	17.1 -12.9	11.5	-0.8	-0.3	-7.2	-7.4	50 30	30	30	30	30	30
Chlorobenzene	-4.2 -6.3	7.9	1.0	3.3	-1.4	-0.4	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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	-8.8 -1.5	5.2	-1.2	3.2	-0.4	3.6	50 30	30	30	30	30	30
Ethylbenzene	-2.5 -10.6	9.2	2.9	4.9	-1.8	-2.1	50 30	30	30	30	30	30
m&p-Xylene	-3.4 -8.3	8.9	1.9	3.6	-1.4	-1.3	50 30	30	30	30	30	30
o-Xylene	-2.5 -5.8	5.0	0.5	3.2	-0.5	0.2	50 30	30	30	30	30	30
Styrene	-4.3 -6.1	5.5	1.5	3.8	-1.2	0.8	50 30	30	30	30	30	30
Bromoform	-5.0 5.4	-5.7	-4.4	1.4	1.7	6.6	50 30	30	30	30	30	30
Isopropylbenzene	-6.0 -10.3	7.9	3.4	5.8	-0.7	0.1	50 30	30	30	30	30	30
Cyclohexanone	-6.4 -3.0	0.2	4.9	3.7	-1.4	2.0	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	2.8 -6.0	2.4	-2.2	4.9	-3.6	1.8	50 30	30	30	30	30	30
Bromobenzene	-0.7 -4.0	2.5	0.0	3.7	-3.8	2.4	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-0.2 -4.2	2.6	-6.0	5.5	-2.2	4.4	50 30	30	30	30	30	30
1,2,3-Trichloropropane	1.1 -6.8	3.1	-2.1	5.6	-2.6	1.8	50 30	30	30	30	30	30
N-Propylbenzene	-6.7 -14.5	10.7	2.4	8.3	-1.8	1.5	50 30	30	30	30	30	30
2-Chlorotoluene	-6.9 -4.1	4.6	-0.8	6.4	-2.8	3.5	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-4.4 -7.8	7.0	-1.2	5.4	-2.4	3.4	50 30	30	30	30	30	30
4-Chlorotoluene	-3.4 -5.3	8.4	-0.5	3.4	-4.1	1.5	50 30	30	30	30	30	30
tert-Butylbenzene	-13.8 1.8	2.8	-4.0	6.2	-0.7	7.5	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-3.7 -9.0	6.4	-0.3	6.9	-2.6	2.4	50 30	30	30	30	30	30
sec-Butylbenzene	-7.5 -9.7	6.3	-0.1	7.7	-0.2	3.5	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

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	0.5 -8.5	8.1	-0.8	4.6	-4.3	0.4	50 30	30	30	30	30	30
p-Isopropyltoluene	-7.0 -9.7	5.6	0.2	7.5	-1.0	4.3	50 30	30	30	30	30	30
1,4-Dichlorobenzene	2.6 -8.7	7.8	-0.9	4.4	-5.1	0.0	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-5.3 -7.7	5.4	-1.0	6.4	-2.0	4.2	50 30	30	30	30	30	30
Benzyl chloride	-3.4 -6.4	2.3	-2.3	6.2	-1.1	4.7	50 30	30	30	30	30	30
1,3-Diethylbenzene	-9.3 -6.5	6.6	0.0	6.6	-1.4	3.9	50 30	30	30	30	30	30
1,4-Diethylbenzene	-4.1 -9.1	7.5	0.6	5.6	-2.3	1.8	50 30	30	30	30	30	30
n-Butylbenzene	-4.8 -8.8	8.1	1.0	5.8	-2.7	1.4	50 30	30	30	30	30	30
1,2-Dichlorobenzene	0.6 -9.3	6.1	0.1	5.5	-3.9	1.0	50 30	30	30	30	30	30
1,2-Diethylbenzene	-7.3 -4.0	4.9	-1.5	4.8	-1.8	5.0	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	10.7 -5.9	-1.2	-5.5	2.5	-4.0	3.5	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-2.1 -8.5	5.6	-0.5	5.6	-2.6	2.4	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	3.4 -9.4	4.6	-1.6	4.7	-4.2	2.4	50 30	30	30	30	30	30
Hexachlorobutadiene	-2.7 -3.1	2.5	-4.2	2.5	-0.1	5.0	50 30	30	30	30	30	30
Naphthalene	5.6 -15.7	4.6	-1.8	7.9	-2.8	2.2	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	2.5 -7.4	3.5	-1.7	6.3	-5.4	2.2	50 30	30	30	30	30	30
2-Methylnaphthalene	7.2 -5.9	-2.5	-6.3	4.1	-2.4	5.8	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	2.3 -3.3	1.1	0.4	-0.6	0.5	-0.4	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.0 0.6	-0.8	-2.5	0.7	3.0	-2.1	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 Env Job No.: 410-127407-1 Analy Batch No.: 323735

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2022 20:37 Calibration End Date: 12/05/2022 22:52 Calibration ID: 44731

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Toluene-d8 (Surr)	0.3 -1.3	1.4	1.0	0.2	-0.9	-0.8	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.1 0.9	0.5	0.7	-0.3	0.0	-1.8	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Dec-2022 21:00:30 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0072549-012
Misc. Info.: LG 1
Operator ID: kas02648 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 06-Dec-2022 13:46:10 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: ULCP Date: 06-Dec-2022 06:36:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.867	1.861	0.006	90	12810	1.00	1.00	
4 Chloromethane	50	2.044	2.050	-0.006	97	12474	1.00	1.12	
5 Vinyl chloride	62	2.153	2.159	-0.006	96	9072	1.00	0.8549	
6 Butadiene	39	2.165	2.171	-0.006	93	13085	1.00	1.35	
8 Bromomethane	94	2.476	2.481	-0.005	83	6877	1.00	0.9087	
9 Chloroethane	64	2.567	2.561	0.006	18	6372	1.00	1.15	
10 Dichlorofluoromethane	67	2.792	2.792	0.000	96	17075	1.00	1.18	
11 Trichlorofluoromethane	101	2.841	2.853	-0.012	69	11426	1.00	0.8432	
12 Pentane	43	2.883	2.883	0.000	75	15178	1.00	1.69	
13 Ethanol	45	2.999	3.035	-0.036	24	12535	62.5	84.6	M
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.175	3.169	0.006	30	7080	1.00	0.9313	
16 Acrolein	56	3.260	3.248	0.012	98	22845	10.0	9.74	M
17 1,1-Dichloroethene	96	3.388	3.382	0.006	95	6812	1.00	1.09	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.412	3.418	-0.006	75	6375	1.00	0.9330	
18 Acetone	58	3.400	3.437	-0.037	80	2867	2.00	2.28	M
21 Iodomethane	142	3.571	3.577	-0.005	70	11747	1.00	0.99	
20 Isopropyl alcohol	45	3.631	3.619	0.012	33	7735	5.00	5.98	M
22 Carbon disulfide	76	3.668	3.674	-0.006	94	17947	1.00	0.9312	
24 Methyl acetate	43	3.820	3.814	0.006	58	8108	1.00	1.06	M
25 3-Chloro-1-propene	41	3.838	3.832	0.006	89	9195	1.00	1.14	M
26 Methylene Chloride	84	4.015	4.021	-0.006	54	7364	1.00	1.07	
* 27 t-Butyl alcohol-d10 (IS)	65	4.075	4.069	0.006	55	541572	250.0	250.0	
28 2-Methyl-2-propanol	59	4.179	4.197	-0.018	32	13587	5.00	6.24	M
29 Acrylonitrile	53	4.355	4.343	0.012	99	11910	2.50	2.75	M
30 Methyl tert-butyl ether	73	4.398	4.416	-0.018	92	19694	1.00	1.00	
31 trans-1,2-Dichloroethene	96	4.428	4.416	0.012	96	6910	1.00	1.09	M
33 Hexane	57	4.848	4.842	0.006	91	7987	1.00	0.9758	
34 1,1-Dichloroethane	63	5.091	5.085	0.006	39	9929	1.00	0.9640	
36 Isopropyl ether	45	5.152	5.146	0.006	88	17729	1.00	1.01	
37 2-Chloro-1,3-butadiene	53	5.189	5.189	0.000	90	8948	1.00	1.04	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.688	5.688	0.000	99	17964	1.00	0.9790	
39 2-Butanone (MEK)	43	5.919	5.907	0.012	69	13398	2.00	2.28	M
40 cis-1,2-Dichloroethene	96	5.931	5.925	0.006	76	7242	1.00	1.04	
41 2,2-Dichloropropane	77	5.949	5.943	0.006	73	11434	1.00	1.06	M
43 Propionitrile	54	6.022	5.998	0.024	92	9769	5.00	4.92	
S 44 1,2-Dichloroethene, Total	100				0			2.13	
45 Methacrylonitrile	67	6.211	6.211	0.000	79	12195	2.50	2.75	
46 Chlorobromomethane	128	6.259	6.265	-0.006	66	3690	1.00	0.9563	
47 Tetrahydrofuran	71	6.290	6.278	0.012	89	10495	5.00	5.43	
48 Chloroform	83	6.418	6.418	0.000	92	11877	1.00	1.06	
$ 49 Dibromofluoromethane (Surr)	113	6.631	6.630	0.001	93	341894	50.0	51.2	
50 1,1,1-Trichloroethane	97	6.655	6.649	0.006	36	11216	1.00	1.03	
51 Cyclohexane	56	6.734	6.740	-0.006	75	11672	1.00	1.04	
52 Carbon tetrachloride	117	6.856	6.856	0.000	92	8723	1.00	0.9298	
53 1,1-Dichloropropene	75	6.862	6.862	0.000	89	8043	1.00	0.9745	
54 Isobutyl alcohol	41	7.044	7.044	0.000	40	7962	12.5	12.8	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.093	7.093	0.000	70	77056	50.0	50.5	
56 Benzene	78	7.123	7.123	0.000	94	24516	1.00	1.00	
57 1,2-Dichloroethane	62	7.202	7.196	0.006	93	9495	1.00	1.05	
59 Tert-amyl methyl ether	73	7.318	7.318	0.000	98	18478	1.00	0.99	
* 60 Fluorobenzene (IS)	96	7.537	7.537	0.000	99	1283340	50.0	50.0	
61 n-Heptane	43	7.543	7.549	-0.006	39	8449	1.00	1.01	
63 n-Butanol	56	7.939	7.932	0.007	57	7323	12.5	13.3	
64 Trichloroethene	95	8.012	8.018	-0.006	95	7060	1.00	1.02	
65 Methylcyclohexane	83	8.322	8.322	0.000	85	12023	1.00	0.9860	
66 1,2-Dichloropropane	63	8.358	8.352	0.006	76	5947	1.00	0.9326	
67 2-ethoxy-2-methyl butane	87	8.364	8.364	0.000	89	8190	1.00	0.9257	
69 1,4-Dioxane	88	8.456	8.449	0.007	35	1118	12.5	7.69	
68 Methyl methacrylate	69	8.437	8.449	-0.012	92	7859	1.00	1.17	
70 Dibromomethane	93	8.456	8.462	-0.006	91	4787	1.00	1.00	
72 Dichlorobromomethane	83	8.693	8.705	-0.012	97	9314	1.00	1.07	
73 2-Nitropropane	41	8.985	8.979	0.006	96	17244	5.00	4.91	
74 2-Chloroethyl vinyl ether	63	9.070	9.076	-0.006	86	4289	1.00	0.8620	
75 cis-1,3-Dichloropropene	75	9.265	9.265	0.000	91	9403	1.00	0.9002	
76 4-Methyl-2-pentanone (MIBK)	43	9.447	9.441	0.006	95	21911	2.00	1.96	
$ 77 Toluene-d8 (Surr)	98	9.581	9.581	0.000	93	1272970	50.0	50.2	
78 Toluene	92	9.660	9.660	0.000	98	15302	1.00	0.9630	
79 trans-1,3-Dichloropropene	75	9.928	9.922	0.006	93	9288	1.00	0.9522	
80 Ethyl methacrylate	69	9.989	9.989	0.000	86	11564	1.00	1.07	M
S 102 1,3-Dichloropropene, Total	100				0			1.85	
103 1,1,2-Trichloroethane	97	10.129	10.129	0.001	88	6889	1.00	1.06	
104 Tetrachloroethene	166	10.226	10.220	0.006	92	6482	1.00	0.8736	
105 1,3-Dichloropropane	76	10.293	10.299	-0.006	93	9248	1.00	0.9404	
107 2-Hexanone	43	10.354	10.354	0.000	98	16043	2.00	1.96	
109 Chlorodibromomethane	129	10.518	10.512	0.006	89	6033	1.00	0.8387	
110 Ethylene Dibromide	107	10.621	10.627	-0.006	95	6921	1.00	0.9706	
* 111 Chlorobenzene-d5 (IS)	117	11.066	11.065	0.001	84	988902	50.0	50.0	
112 1-Chlorohexane	91	11.072	11.078	-0.006	70	11260	1.00	1.17	
113 Chlorobenzene	112	11.090	11.090	0.000	93	18510	1.00	0.9577	
114 1,1,1,2-Tetrachloroethane	131	11.169	11.175	-0.006	83	6577	1.00	0.9120	
115 Ethylbenzene	91	11.181	11.181	0.000	98	31225	1.00	0.9752	
S 116 Xylenes, Total	106				0			2.91	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
117 m-Xylene & p-Xylene	106	11.297	11.297	0.000	99	24681	2.00	1.93	
118 o-Xylene	106	11.625	11.631	-0.006	95	12797	1.00	0.9749	
119 Styrene	104	11.643	11.643	0.000	94	20127	1.00	0.9572	
120 Bromoform	173	11.802	11.795	0.007	93	5532	1.00	0.9503	
121 Isopropylbenzene	105	11.929	11.929	0.000	95	32247	1.00	0.9398	
123 Cyclohexanone	55	12.008	12.002	0.006	91	29471	50.0	46.8	
$ 124 4-Bromofluorobenzene (Surr)	95	12.075	12.075	0.000	92	482604	50.0	50.0	
125 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	95	12479	1.00	1.03	
126 Bromobenzene	156	12.191	12.191	0.000	96	8643	1.00	0.99	
127 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	87	8498	2.50	2.50	
128 1,2,3-Trichloropropane	110	12.227	12.221	0.006	80	3660	1.00	1.01	
129 N-Propylbenzene	91	12.264	12.264	0.000	98	37127	1.00	0.9330	
130 2-Chlorotoluene	126	12.343	12.337	0.006	97	8082	1.00	0.9313	
131 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	28758	1.00	0.9560	
132 4-Chlorotoluene	126	12.434	12.434	0.000	95	8372	1.00	0.9661	
134 tert-Butylbenzene	134	12.641	12.641	0.000	90	4955	1.00	0.8625	
136 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	96	30198	1.00	0.9632	
137 sec-Butylbenzene	105	12.805	12.805	0.000	94	34977	1.00	0.9247	
138 1,3-Dichlorobenzene	146	12.903	12.903	0.000	98	17369	1.00	1.00	
139 4-Isopropyltoluene	119	12.915	12.915	0.000	97	31707	1.00	0.9303	
* 140 1,4-Dichlorobenzene-d4	152	12.958	12.963	-0.005	94	573623	50.0	50.0	
141 1,4-Dichlorobenzene	146	12.976	12.976	0.000	94	17265	1.00	1.03	
142 1,2,3-Trimethylbenzene	105	12.994	12.988	0.006	95	30265	1.00	0.9469	
143 Benzyl chloride	91	13.055	13.055	0.000	98	22604	1.00	0.9661	
144 1,3-Diethylbenzene	119	13.116	13.116	0.000	93	18654	1.00	0.9070	
145 p-Diethylbenzene	119	13.189	13.189	0.000	95	20806	1.00	0.9590	
146 n-Butylbenzene	92	13.207	13.207	0.000	98	16086	1.00	0.9516	
147 1,2-Dichlorobenzene	146	13.237	13.237	0.000	98	18061	1.00	1.01	
148 o-diethylbenzene	119	13.262	13.262	0.000	93	15706	1.00	0.9267	
150 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	85	3991	1.00	1.11	
151 1,3,5-Trichlorobenzene	180	13.907	13.912	-0.005	97	13523	1.00	0.9789	
152 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	94	13754	1.00	1.03	
153 Hexachlorobutadiene	225	14.418	14.417	0.001	94	4802	1.00	0.9733	
154 Naphthalene	128	14.515	14.515	0.000	97	48535	1.00	1.06	
155 1,2,3-Trichlorobenzene	180	14.661	14.655	0.006	96	13633	1.00	1.03	
156 2-Methylnaphthalene	142	15.269	15.269	0.000	91	29688	1.00	1.07	
S 180 Total Diethylbenzene	1				0			2.79	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_4ppbEtOH_00469	Amount Added: 12.50	Units: mL	
MSV_HP4_ISSS_00016	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Dec-2022 13:46:11 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D

Injection Date: 05-Dec-2022 21:00:30 Instrument ID: 23297 Operator ID: kas02648

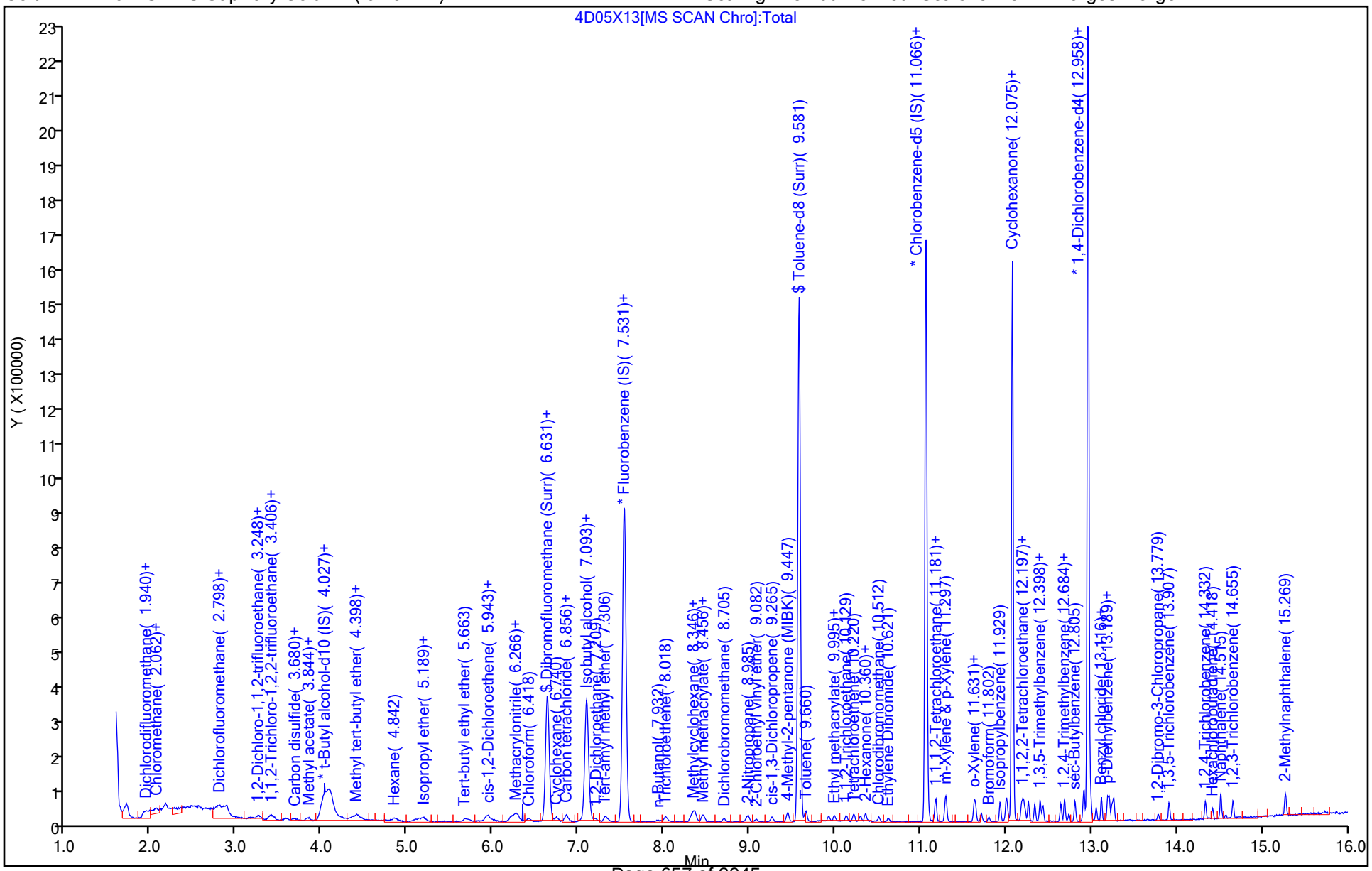
Lims ID: IC v1 Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

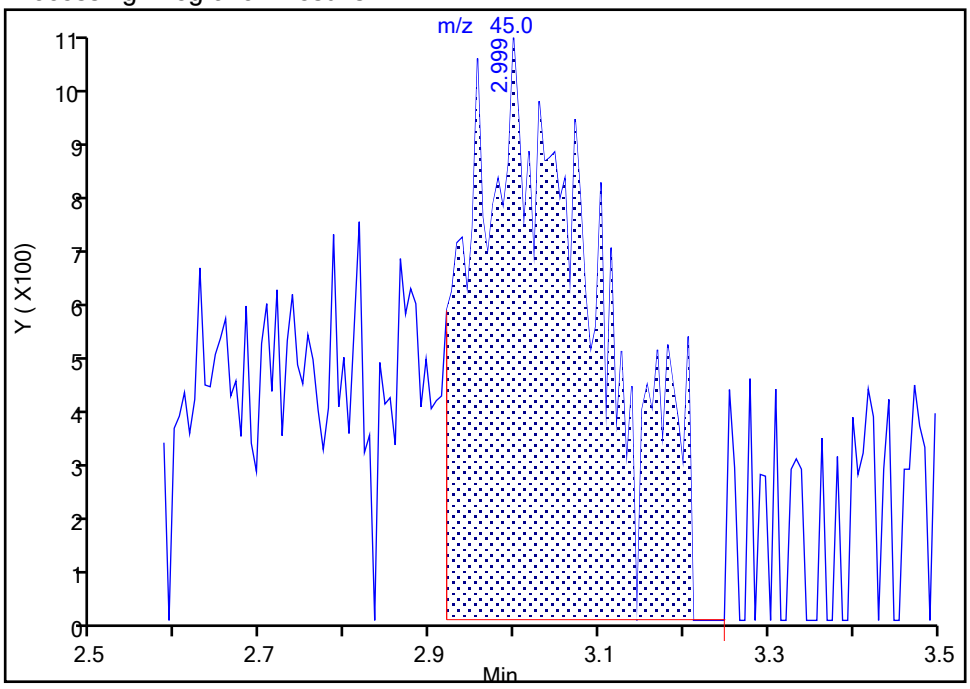
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D
Injection Date: 05-Dec-2022 21:00:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

13 Ethanol, CAS: 64-17-5

Signal: 1

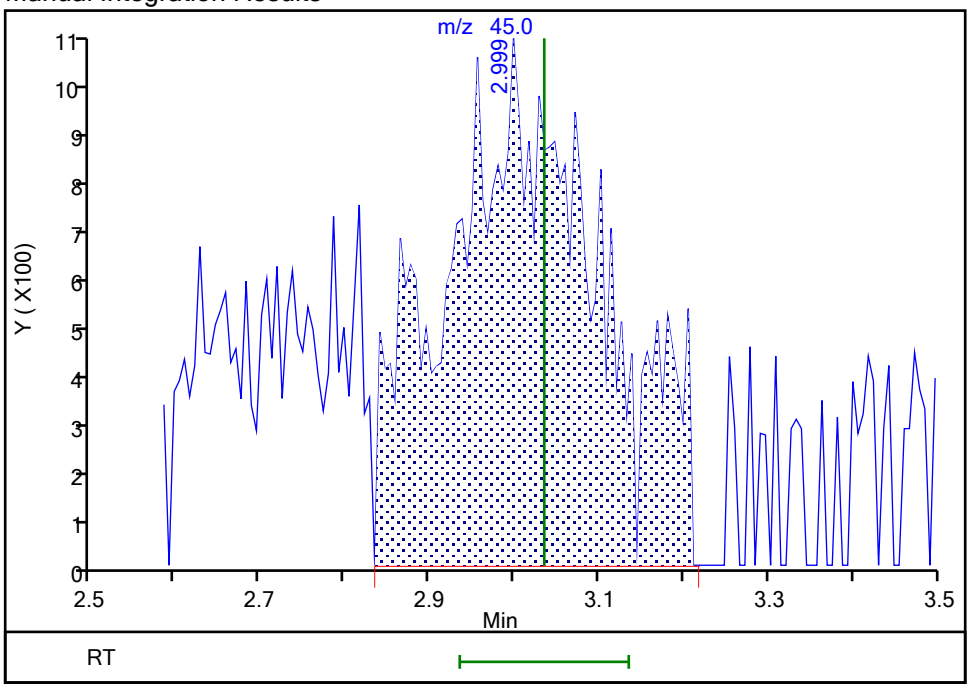
Processing Integration Results

RT: 3.00
Area: 10434
Amount: 75.658002
Amount Units: ug/l



Manual Integration Results

RT: 3.00
Area: 12535
Amount: 84.591924
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:38:33
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

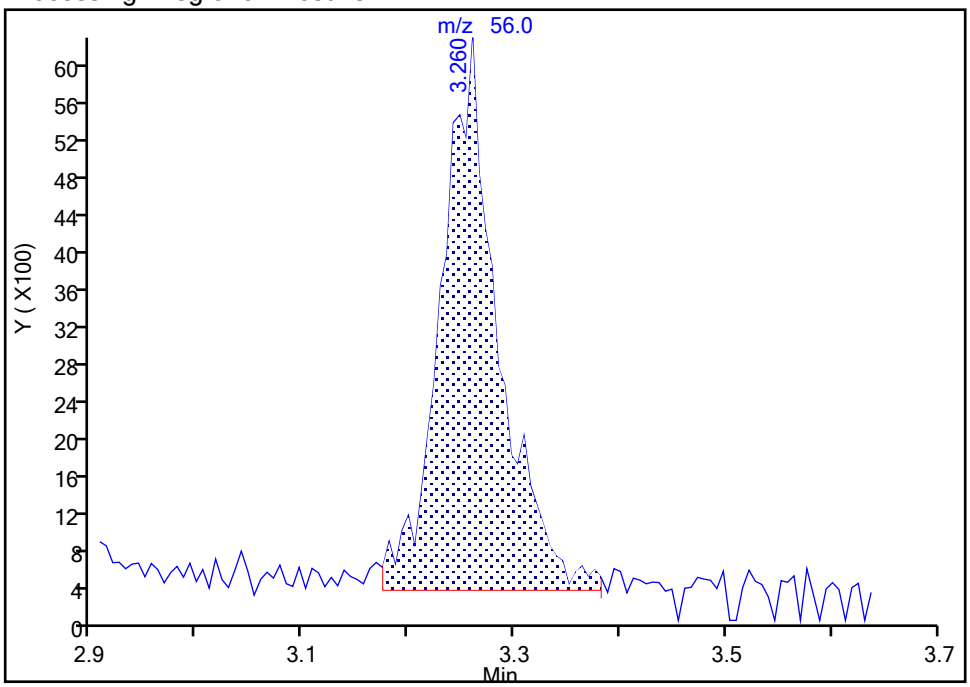
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D
Injection Date: 05-Dec-2022 21:00:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Acrolein, CAS: 107-02-8

Signal: 1

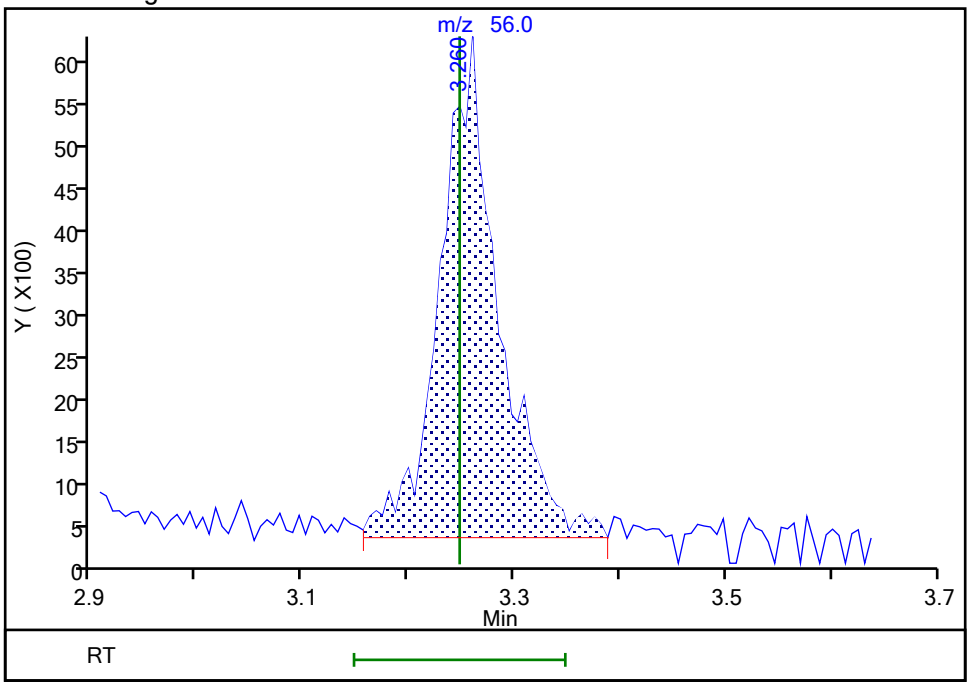
Processing Integration Results

RT: 3.26
Area: 22334
Amount: 9.214117
Amount Units: ug/l



Manual Integration Results

RT: 3.26
Area: 22845
Amount: 9.735299
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:38:54
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

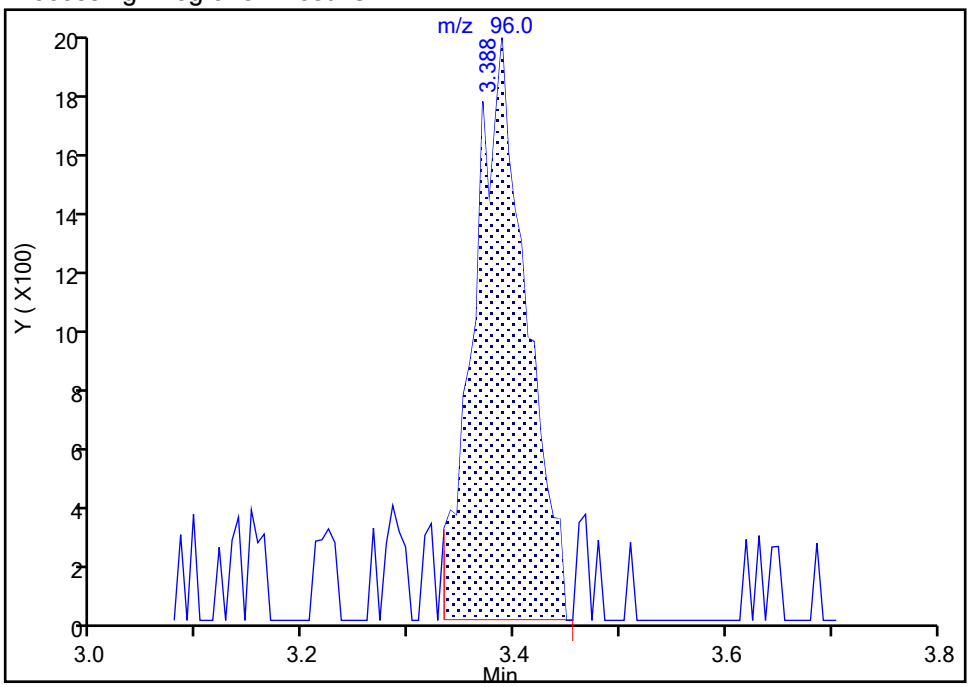
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D
Injection Date: 05-Dec-2022 21:00:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

17 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

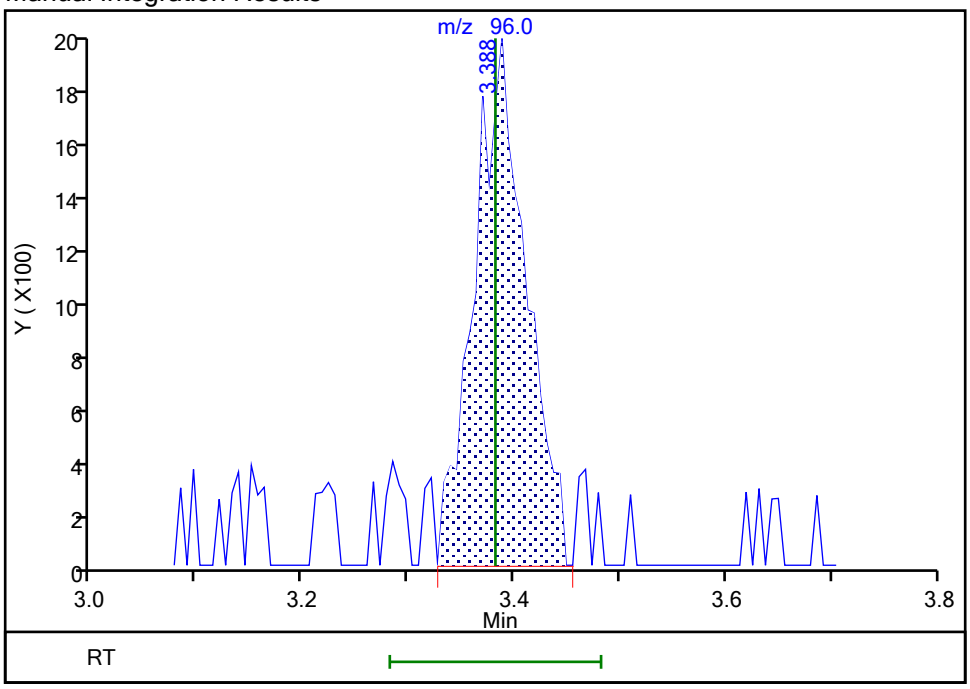
Processing Integration Results

RT: 3.39
Area: 6812
Amount: 1.048852
Amount Units: ug/l



Manual Integration Results

RT: 3.39
Area: 6812
Amount: 1.092610
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:39:17
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

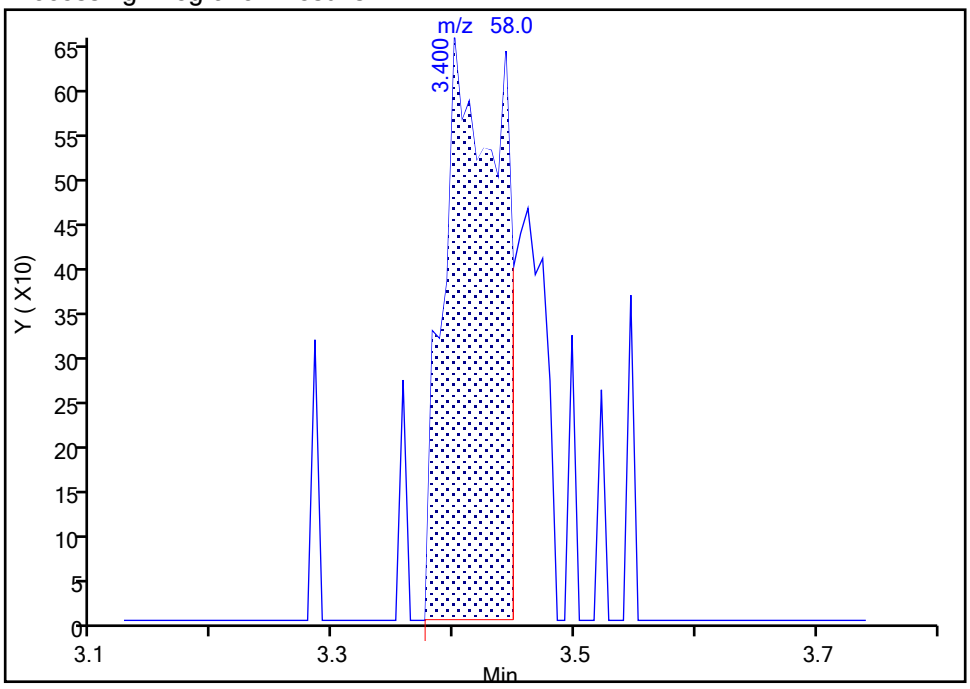
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D				
Injection Date:	05-Dec-2022 21:00:30	Instrument ID:	23297		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 1

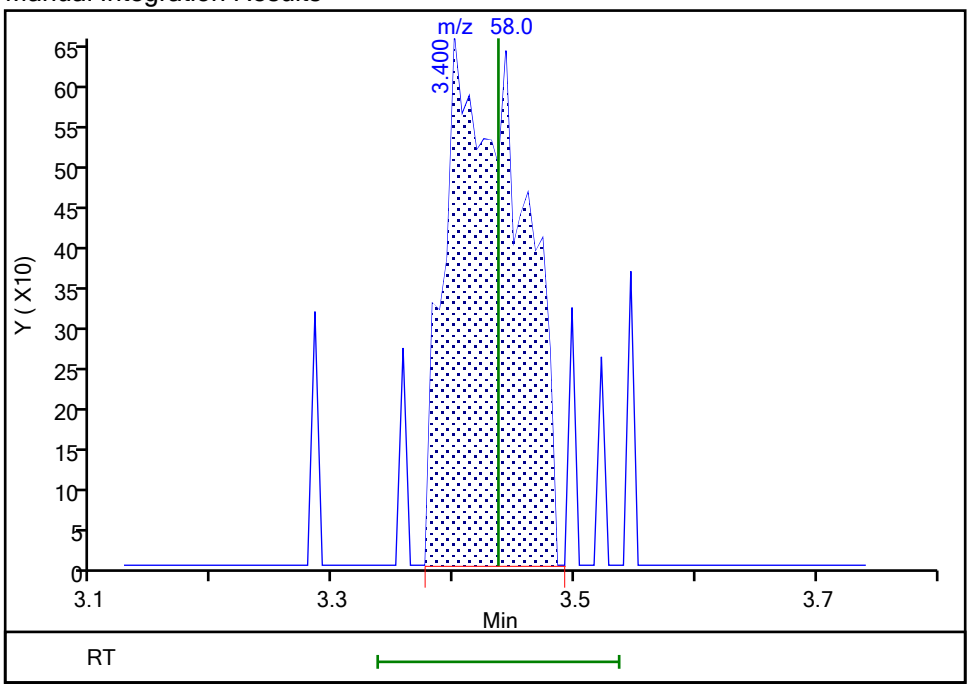
Processing Integration Results

RT: 3.40
Area: 2154
Amount: 1.727021
Amount Units: ug/l



Manual Integration Results

RT: 3.40
Area: 2867
Amount: 2.283456
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:39:40
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

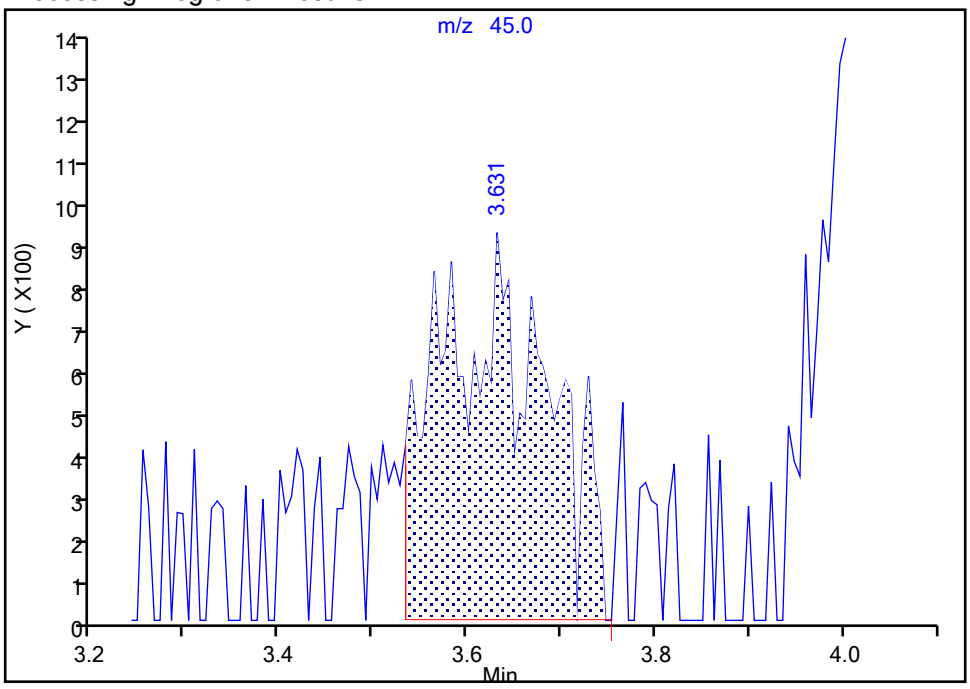
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D
Injection Date: 05-Dec-2022 21:00:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

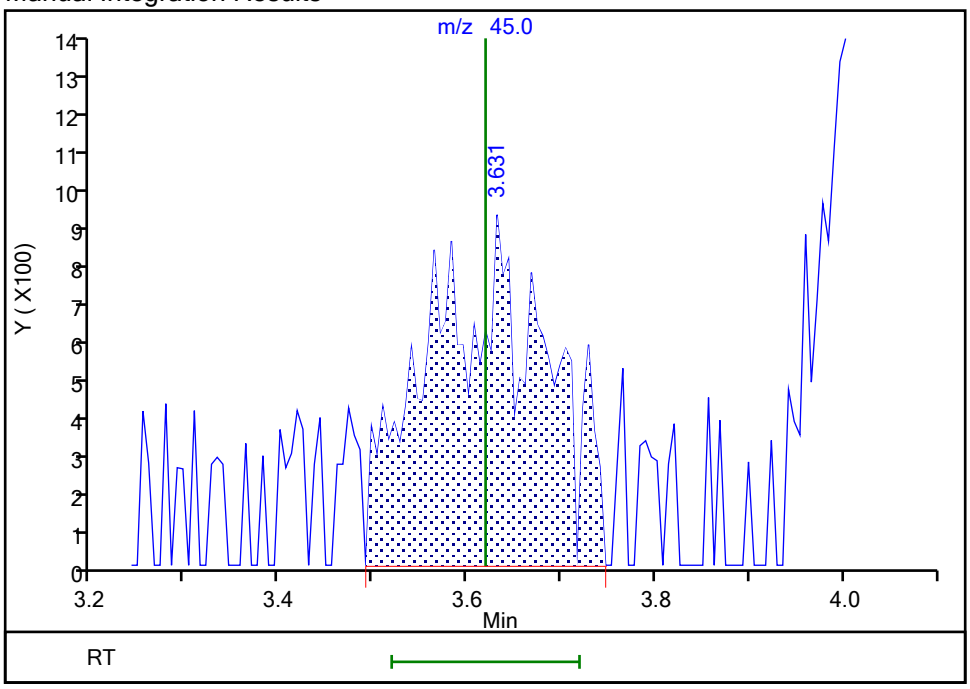
Processing Integration Results

RT: 3.63
Area: 6982
Amount: 5.216610
Amount Units: ug/l



Manual Integration Results

RT: 3.63
Area: 7735
Amount: 5.983411
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:40:20
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

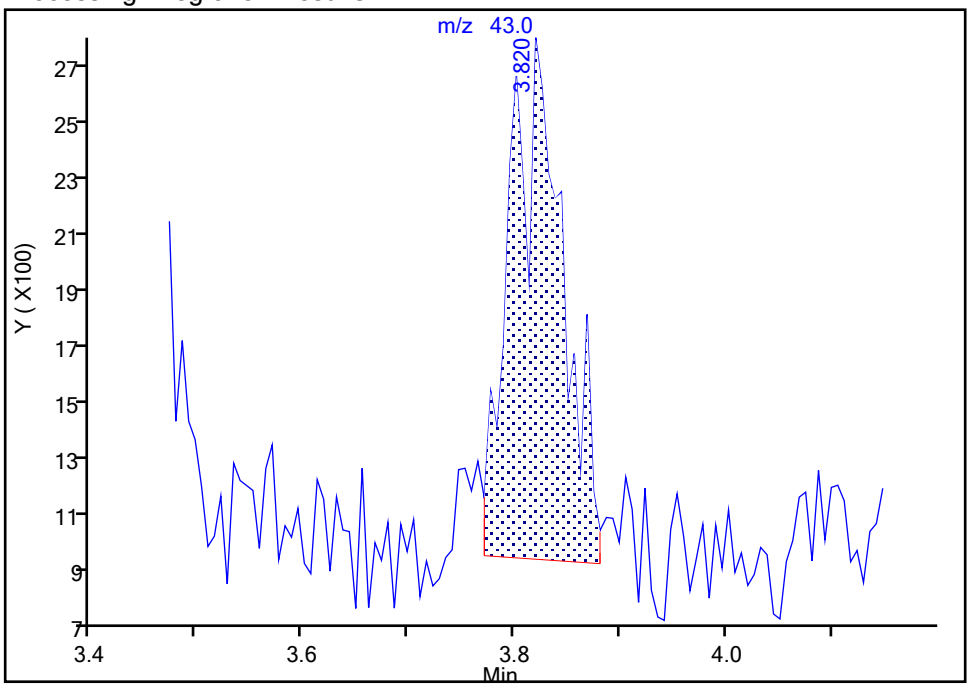
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D
Injection Date: 05-Dec-2022 21:00:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

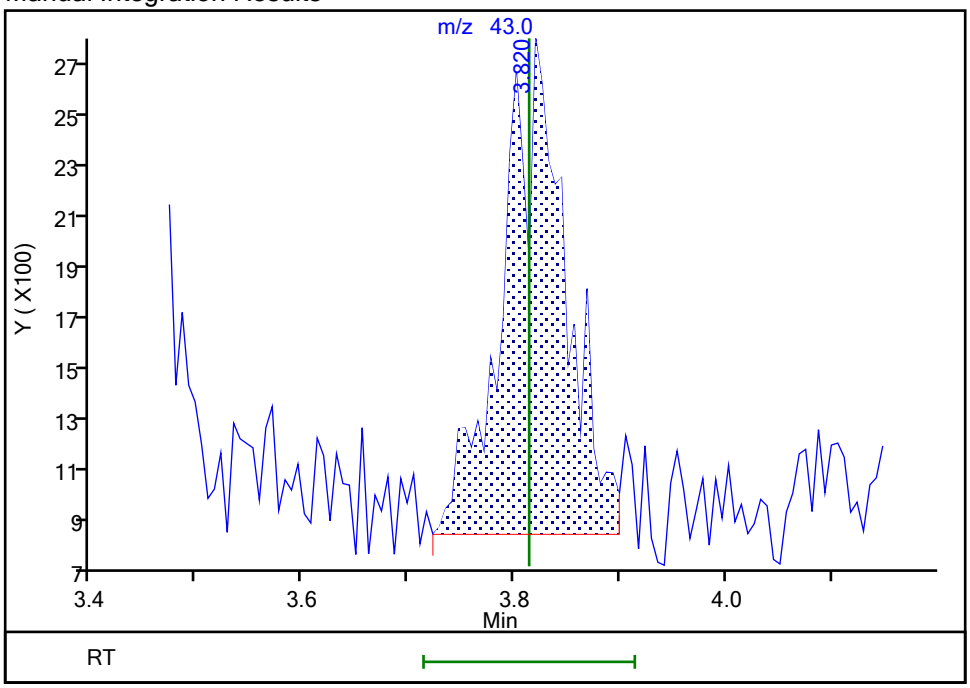
Processing Integration Results

RT: 3.82
Area: 6546
Amount: 0.911182
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 8108
Amount: 1.062379
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:42:13
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

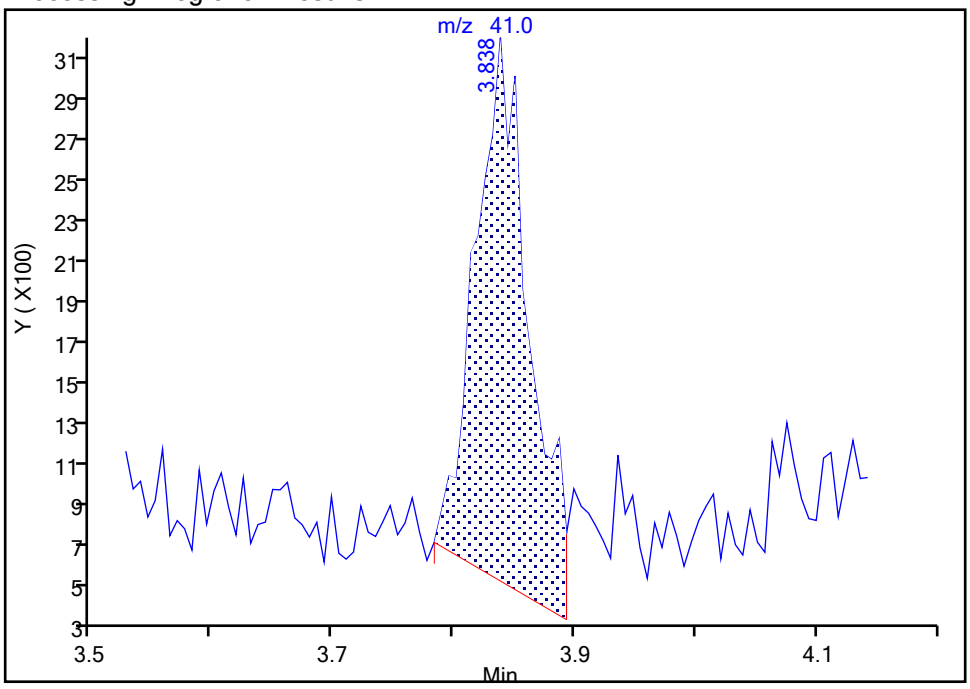
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D
Injection Date: 05-Dec-2022 21:00:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

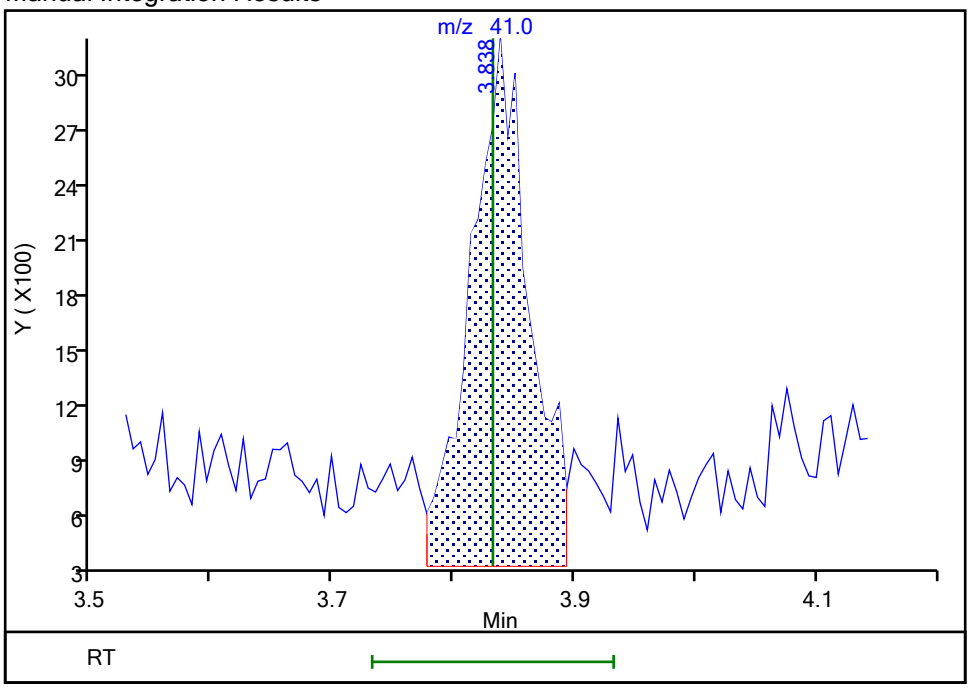
Processing Integration Results

RT: 3.84
Area: 7936
Amount: 0.990538
Amount Units: ug/l



Manual Integration Results

RT: 3.84
Area: 9195
Amount: 1.140260
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:42:43
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

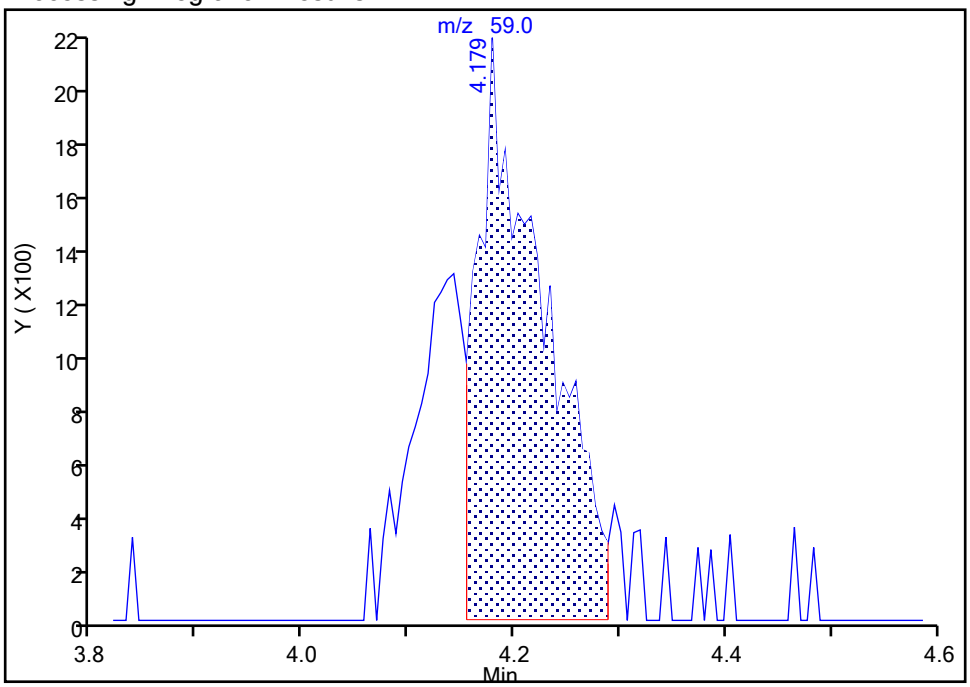
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D
Injection Date: 05-Dec-2022 21:00:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

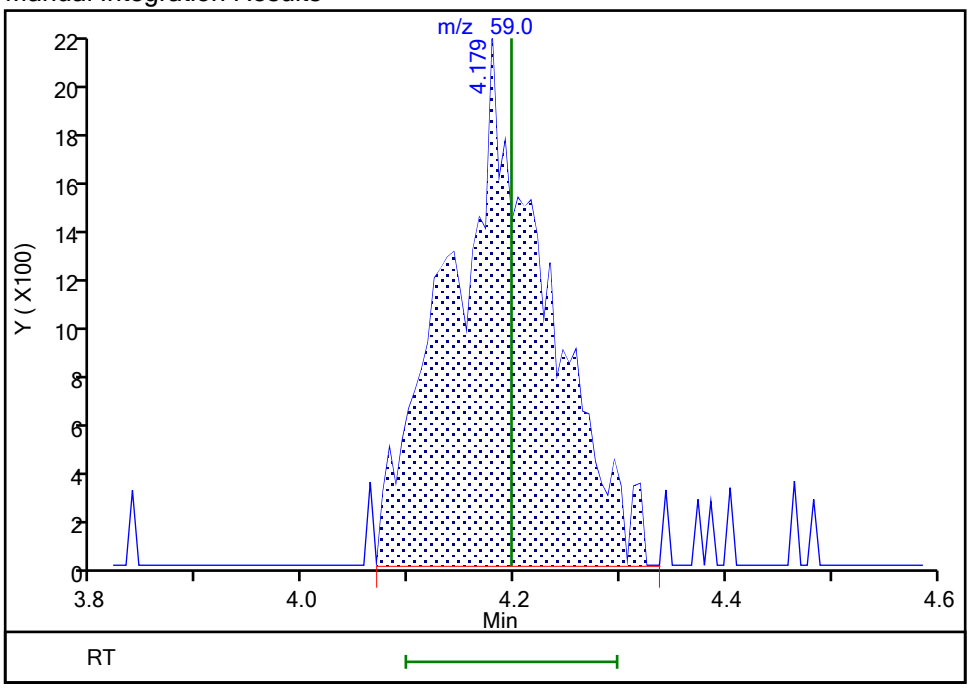
Processing Integration Results

RT: 4.18
Area: 9211
Amount: 4.590614
Amount Units: ug/l



Manual Integration Results

RT: 4.18
Area: 13587
Amount: 6.238850
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:43:46
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

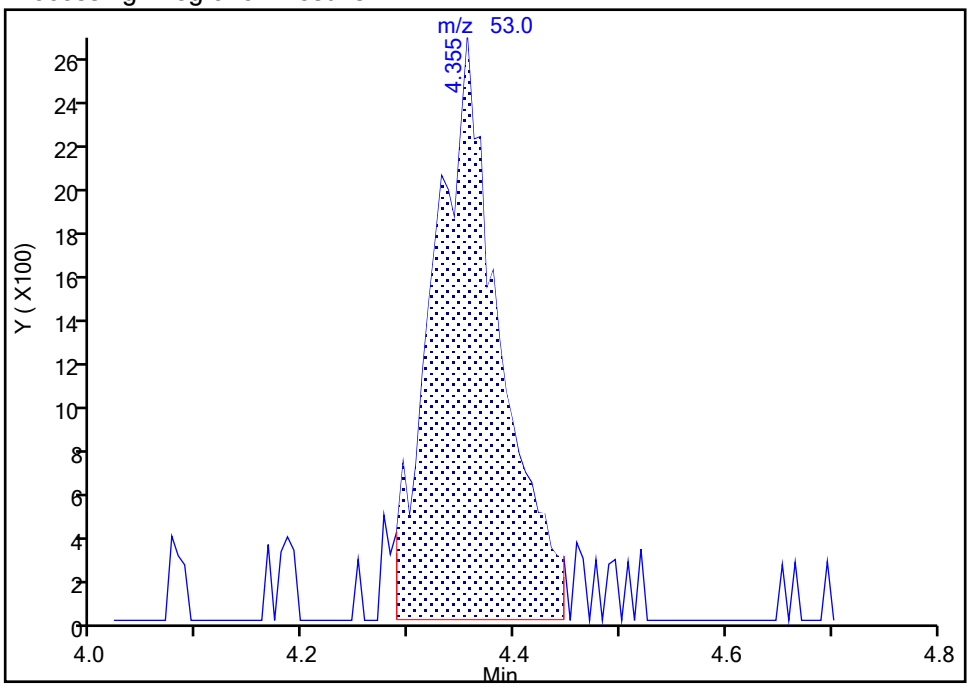
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D				
Injection Date:	05-Dec-2022 21:00:30	Instrument ID:	23297		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

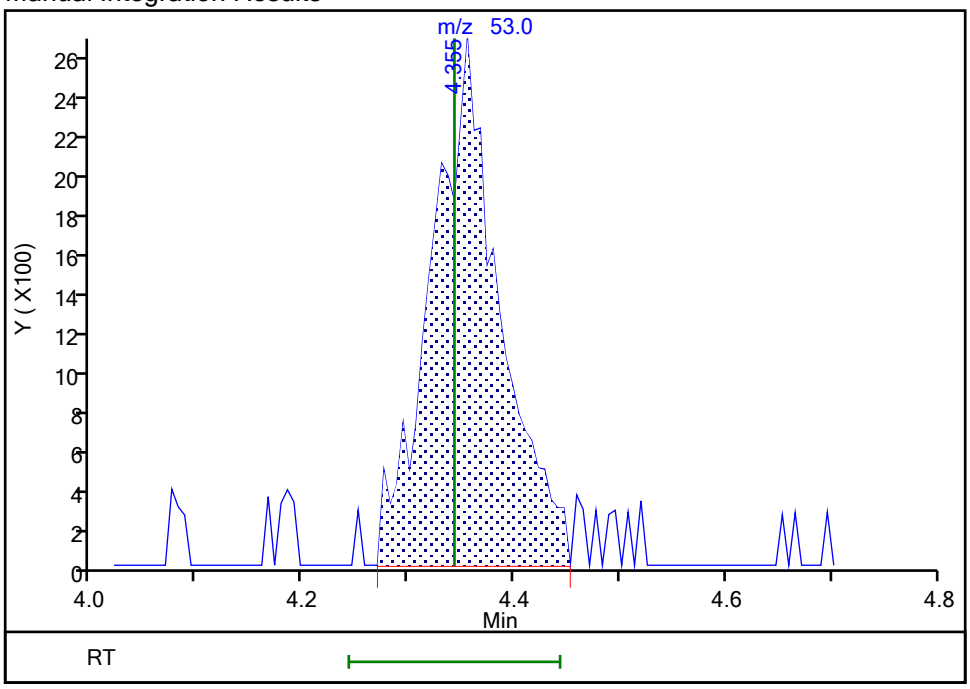
Processing Integration Results

RT: 4.36
Area: 11626
Amount: 2.617458
Amount Units: ug/l



Manual Integration Results

RT: 4.36
Area: 11910
Amount: 2.748807
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:43:58
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

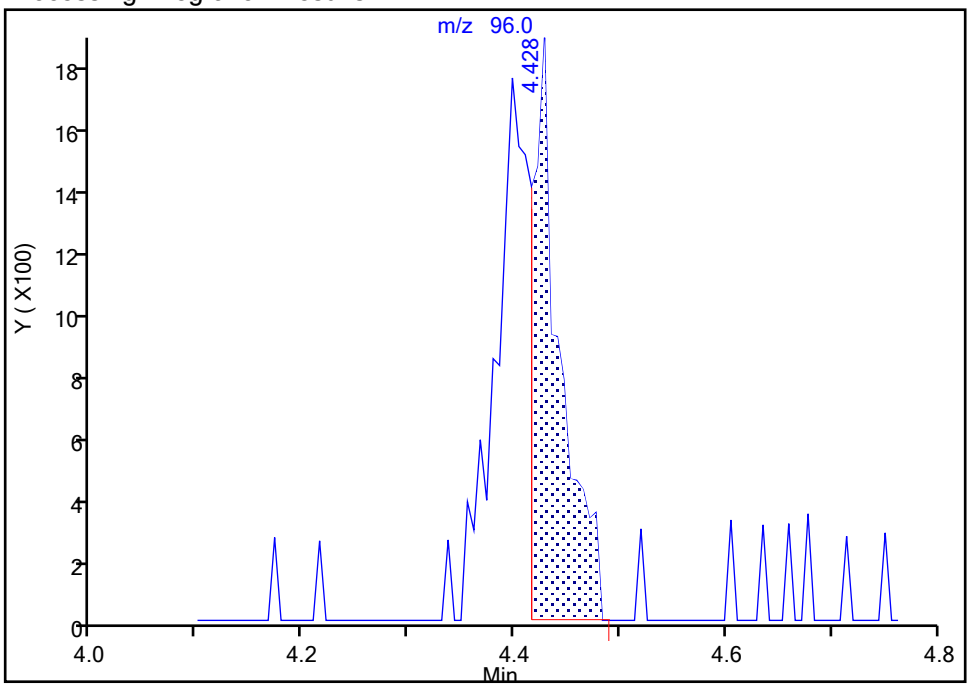
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D
Injection Date: 05-Dec-2022 21:00:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

31 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

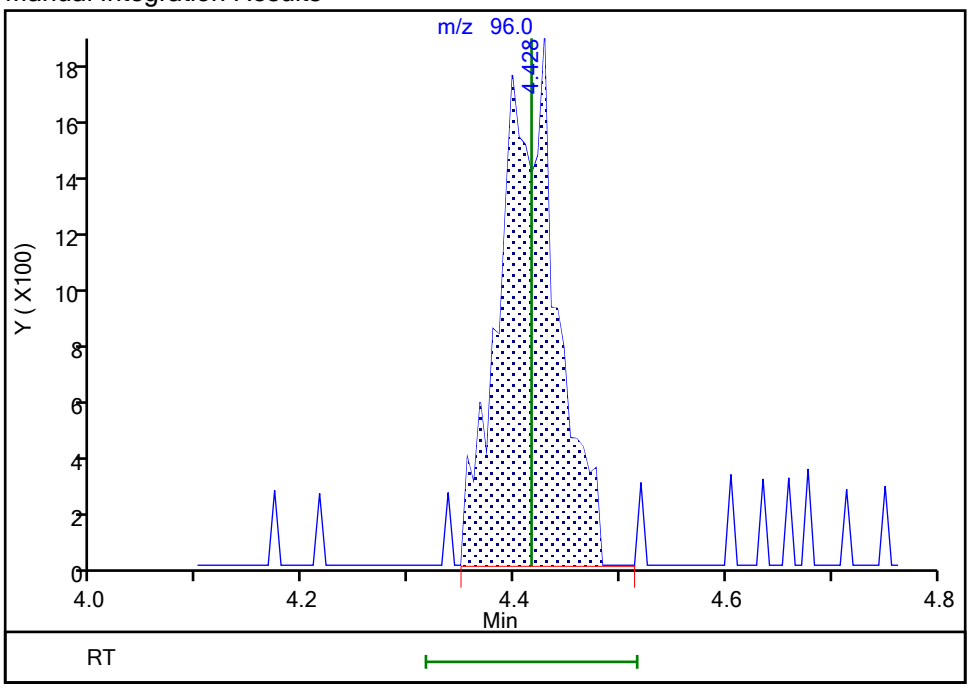
Processing Integration Results

RT: 4.43
Area: 3449
Amount: 0.621165
Amount Units: ug/l



Manual Integration Results

RT: 4.43
Area: 6910
Amount: 1.087143
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:44:10
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

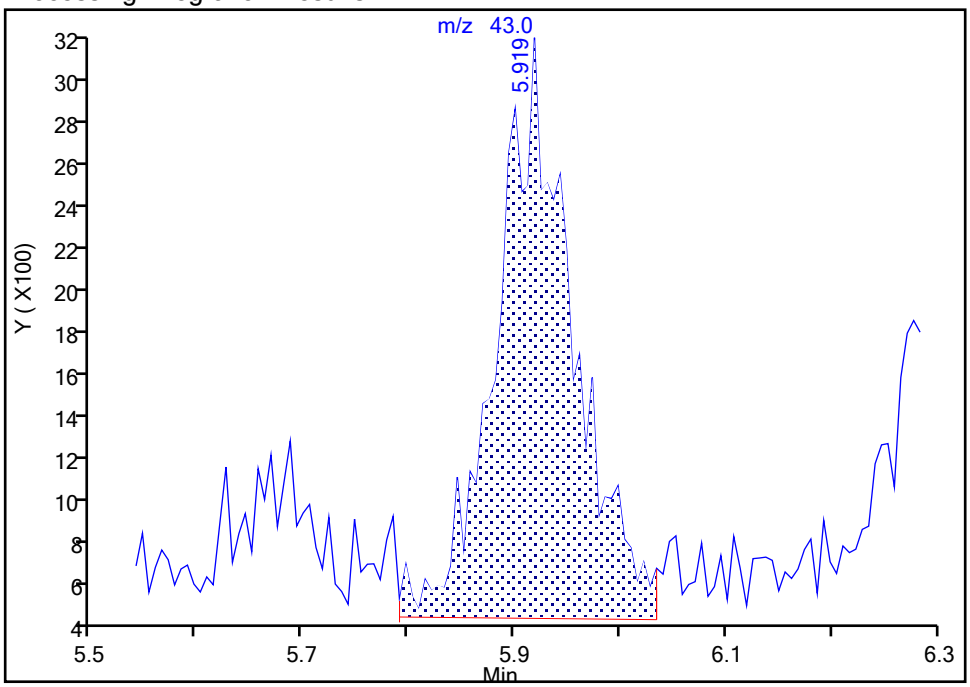
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D
Injection Date: 05-Dec-2022 21:00:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

39 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

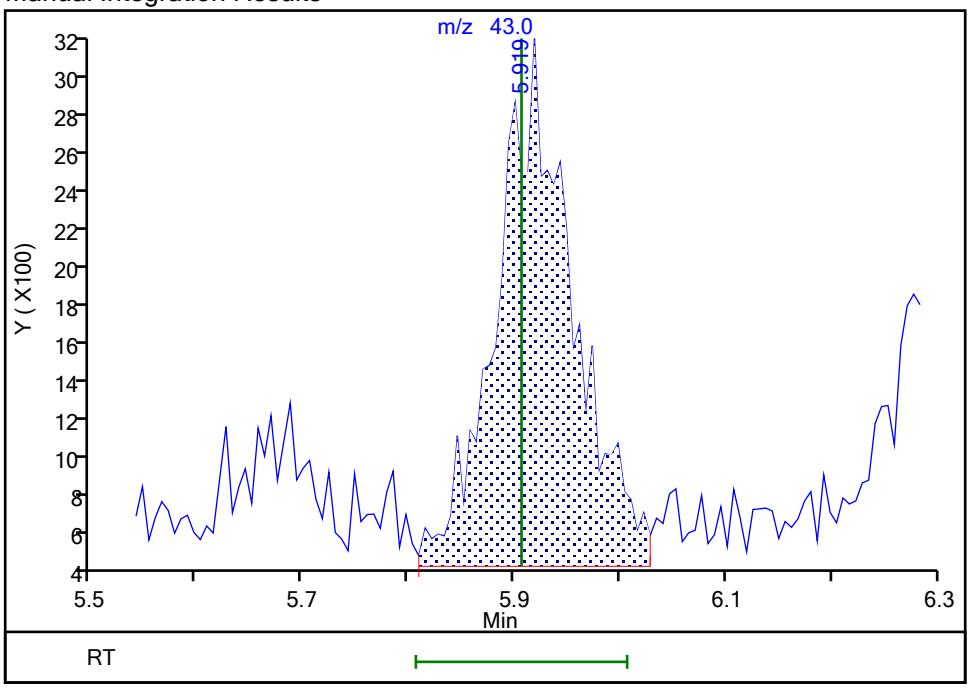
Processing Integration Results

RT: 5.92
Area: 13499
Amount: 2.170276
Amount Units: ug/l



Manual Integration Results

RT: 5.92
Area: 13398
Amount: 2.281745
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:44:40
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

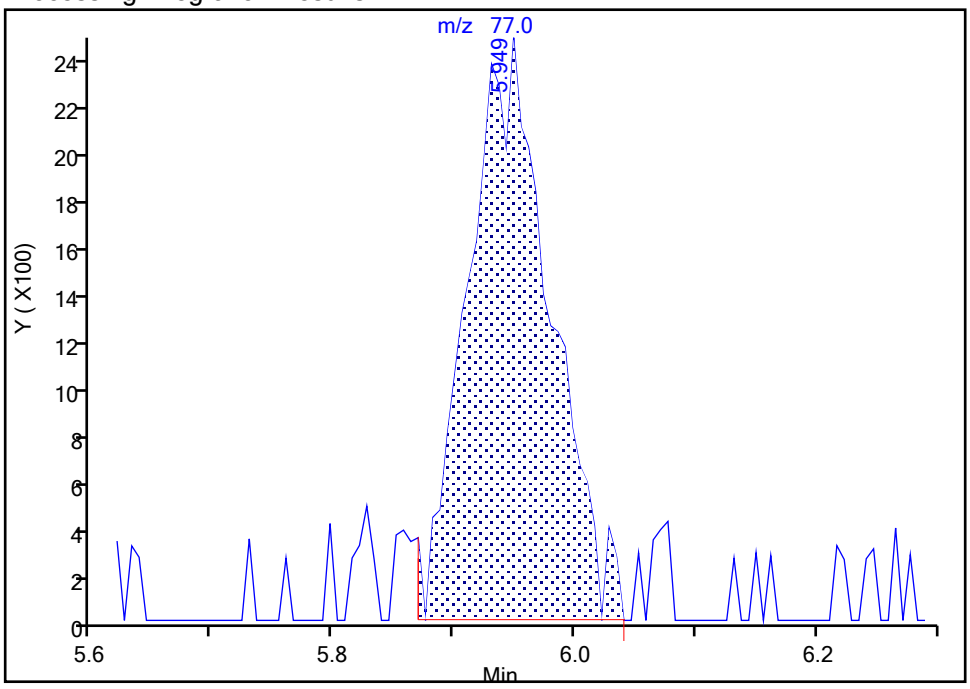
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D
Injection Date: 05-Dec-2022 21:00:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

41 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

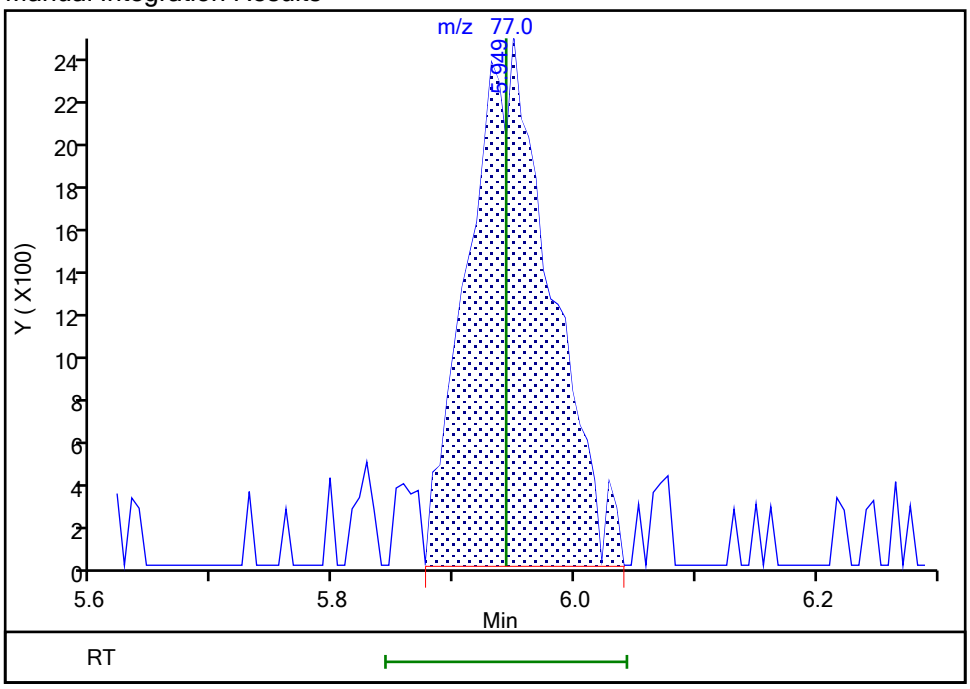
Processing Integration Results

RT: 5.95
Area: 11559
Amount: 1.034936
Amount Units: ug/l



Manual Integration Results

RT: 5.95
Area: 11434
Amount: 1.063041
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:46:19
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

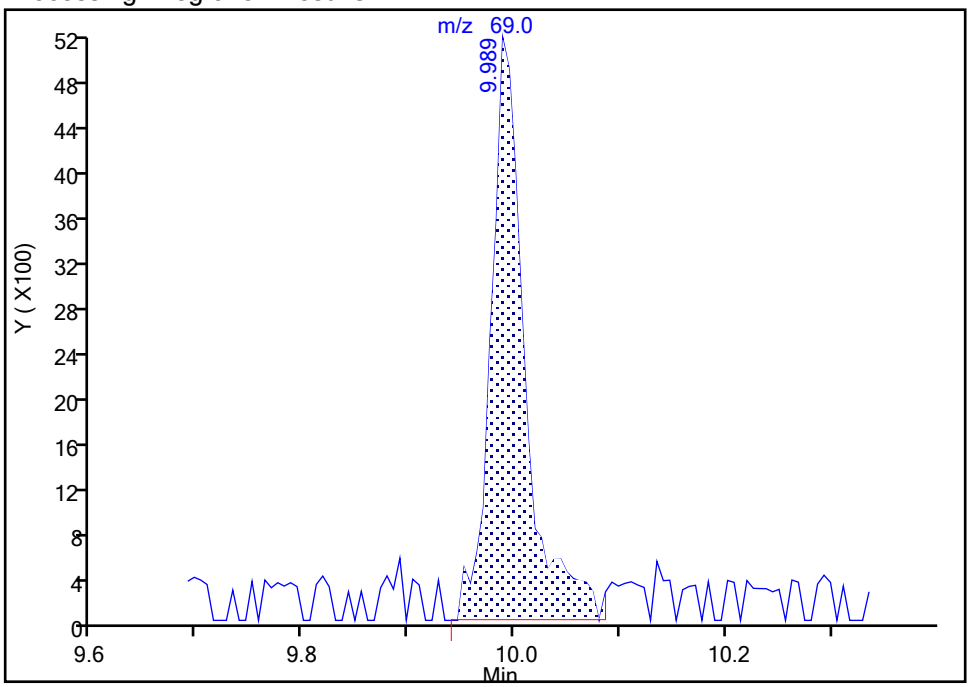
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X13.D				
Injection Date:	05-Dec-2022 21:00:30	Instrument ID:	23297		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

80 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

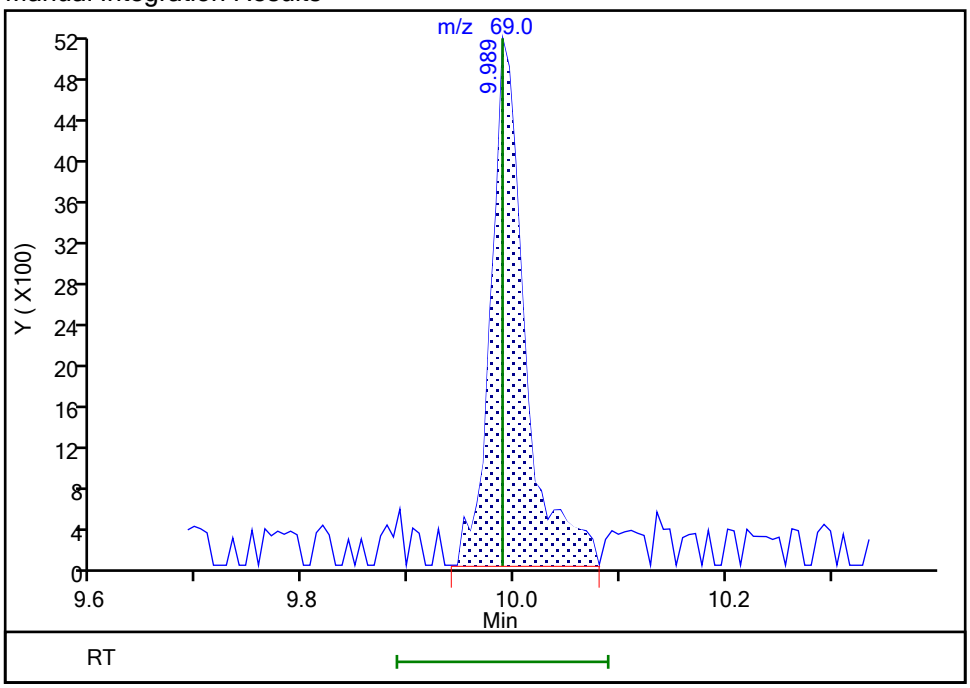
Processing Integration Results

RT: 9.99
Area: 11657
Amount: 1.048183
Amount Units: ug/l



Manual Integration Results

RT: 9.99
Area: 11564
Amount: 1.072011
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:47:26

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X12.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Dec-2022 20:37:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0072549-013
Misc. Info.: LG 4
Operator ID: kas02648 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 06-Dec-2022 13:45:45 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: ULCP Date: 06-Dec-2022 06:56:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.873	1.861	0.012	98	56992	4.00	4.36	
4 Chloromethane	50	2.062	2.050	0.012	99	45352	4.00	4.01	
5 Vinyl chloride	62	2.165	2.159	0.006	94	43248	4.00	4.01	
6 Butadiene	39	2.178	2.171	0.007	90	37477	4.00	3.81	M
8 Bromomethane	94	2.494	2.481	0.013	89	29395	4.00	3.83	M
9 Chloroethane	64	2.573	2.561	0.012	99	22238	4.00	3.95	
10 Dichlorofluoromethane	67	2.798	2.792	0.006	97	59287	4.00	4.02	
11 Trichlorofluoromethane	101	2.871	2.853	0.018	96	51501	4.00	3.74	
12 Pentane	43	2.895	2.883	0.012	97	44357	4.00	4.85	M
13 Ethanol	45	3.066	3.035	0.031	32	39282	250.0	281.2	M
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.175	3.169	0.006	89	34555	4.00	4.48	
16 Acrolein	56	3.260	3.248	0.012	99	91804	40.0	41.5	
17 1,1-Dichloroethene	96	3.388	3.382	0.006	98	27338	4.00	4.32	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.425	3.418	0.007	89	28864	4.00	4.16	
18 Acetone	58	3.461	3.437	0.024	91	10257	8.00	8.66	
21 Iodomethane	142	3.589	3.577	0.013	98	50247	4.00	4.18	
20 Isopropyl alcohol	45	3.650	3.619	0.031	27	28062	20.0	23.0	M
22 Carbon disulfide	76	3.686	3.674	0.012	99	84611	4.00	4.32	
24 Methyl acetate	43	3.832	3.814	0.018	92	30851	4.00	3.98	
25 3-Chloro-1-propene	41	3.844	3.832	0.012	87	34056	4.00	4.16	
26 Methylene Chloride	84	4.021	4.021	0.000	91	29802	4.00	4.26	
* 27 t-Butyl alcohol-d10 (IS)	65	4.088	4.088	0.000	92	510640	250.0	250.0	
28 2-Methyl-2-propanol	59	4.191	4.197	-0.006	98	42783	20.0	20.8	M
29 Acrylonitrile	53	4.355	4.343	0.012	97	45717	10.0	10.4	
30 Methyl tert-butyl ether	73	4.404	4.416	-0.012	96	81690	4.00	4.07	
31 trans-1,2-Dichloroethene	96	4.422	4.416	0.006	99	28878	4.00	4.47	
33 Hexane	57	4.860	4.842	0.018	94	39653	4.00	4.77	
34 1,1-Dichloroethane	63	5.092	5.085	0.007	95	46376	4.00	4.43	
36 Isopropyl ether	45	5.152	5.146	0.006	92	74551	4.00	4.17	
37 2-Chloro-1,3-butadiene	53	5.201	5.189	0.012	90	38492	4.00	4.40	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.694	5.688	0.006	97	77080	4.00	4.14	
39 2-Butanone (MEK)	43	5.931	5.907	0.024	87	45164	8.00	7.58	
40 cis-1,2-Dichloroethene	96	5.931	5.925	0.006	81	30660	4.00	4.34	
41 2,2-Dichloropropane	77	5.943	5.943	0.000	73	47572	4.00	4.36	
43 Propionitrile	54	6.016	5.998	0.018	98	39089	20.0	20.9	
S 44 1,2-Dichloroethene, Total	100				0			8.82	
45 Methacrylonitrile	67	6.223	6.211	0.012	92	47001	10.0	10.4	
46 Chlorobromomethane	128	6.266	6.265	0.001	91	16772	4.00	4.28	
47 Tetrahydrofuran	71	6.284	6.278	0.006	89	38794	20.0	21.3	
48 Chloroform	83	6.430	6.418	0.012	93	48932	4.00	4.32	
$ 49 Dibromofluoromethane (Surr)	113	6.637	6.630	0.007	93	342770	50.0	50.5	
50 1,1,1-Trichloroethane	97	6.655	6.649	0.006	96	47124	4.00	4.28	
51 Cyclohexane	56	6.740	6.740	0.000	91	49255	4.00	4.34	
52 Carbon tetrachloride	117	6.868	6.856	0.012	91	39532	4.00	4.15	
53 1,1-Dichloropropene	75	6.862	6.862	0.000	93	36158	4.00	4.32	
54 Isobutyl alcohol	41	7.050	7.044	0.006	92	27256	50.0	46.6	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.105	7.093	0.012	73	76824	50.0	49.6	
56 Benzene	78	7.130	7.123	0.007	92	105779	4.00	4.23	
57 1,2-Dichloroethane	62	7.196	7.196	0.000	98	38909	4.00	4.23	
59 Tert-amyl methyl ether	73	7.324	7.318	0.006	98	76154	4.00	4.03	
* 60 Fluorobenzene (IS)	96	7.537	7.531	0.006	99	1302951	50.0	50.0	
61 n-Heptane	43	7.555	7.549	0.006	39	37919	4.00	4.44	
63 n-Butanol	56	7.926	7.932	-0.006	89	28575	50.0	55.0	
64 Trichloroethene	95	8.024	8.018	0.006	96	30423	4.00	4.33	
65 Methylcyclohexane	83	8.328	8.322	0.006	90	52544	4.00	4.24	
66 1,2-Dichloropropane	63	8.358	8.352	0.006	76	26855	4.00	4.15	
67 2-ethoxy-2-methyl butane	87	8.364	8.364	0.000	92	36349	4.00	4.05	
69 1,4-Dioxane	88	8.450	8.449	0.001	32	5759	50.0	42.0	M
68 Methyl methacrylate	69	8.456	8.449	0.007	89	27123	4.00	3.96	M
70 Dibromomethane	93	8.468	8.462	0.006	96	19920	4.00	4.12	
72 Dichlorobromomethane	83	8.699	8.705	-0.006	99	35252	4.00	4.01	M
73 2-Nitropropane	41	8.985	8.979	0.006	99	68405	20.0	20.7	
74 2-Chloroethyl vinyl ether	63	9.076	9.076	0.000	92	19792	4.00	3.92	
75 cis-1,3-Dichloropropene	75	9.265	9.265	0.000	95	43085	4.00	4.06	
76 4-Methyl-2-pentanone (MIBK)	43	9.447	9.441	0.006	97	88596	8.00	7.80	
$ 77 Toluene-d8 (Surr)	98	9.581	9.581	0.000	93	1286069	50.0	50.7	
78 Toluene	92	9.660	9.660	0.000	98	68283	4.00	4.30	
79 trans-1,3-Dichloropropene	75	9.922	9.922	0.000	93	38775	4.00	3.97	
80 Ethyl methacrylate	69	9.995	9.989	0.006	88	45492	4.00	4.22	
S 102 1,3-Dichloropropene, Total	100				0			8.04	
103 1,1,2-Trichloroethane	97	10.135	10.129	0.007	90	27043	4.00	4.17	
104 Tetrachloroethene	166	10.220	10.220	0.000	95	32541	4.00	4.38	
105 1,3-Dichloropropane	76	10.299	10.299	0.000	91	40771	4.00	4.14	
107 2-Hexanone	43	10.360	10.354	0.006	96	64297	8.00	7.85	
109 Chlorodibromomethane	129	10.512	10.512	0.000	90	29214	4.00	4.06	
110 Ethylene Dibromide	107	10.628	10.627	0.001	99	29023	4.00	4.07	
* 111 Chlorobenzene-d5 (IS)	117	11.066	11.065	0.001	85	989170	50.0	50.0	
112 1-Chlorohexane	91	11.078	11.078	0.000	93	42893	4.00	4.46	
113 Chlorobenzene	112	11.090	11.090	0.000	97	83432	4.00	4.32	
114 1,1,1,2-Tetrachloroethane	131	11.175	11.175	0.000	94	30344	4.00	4.21	
115 Ethylbenzene	91	11.181	11.181	0.000	98	139923	4.00	4.37	
S 116 Xylenes, Total	106				0			12.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
117 m-Xylene & p-Xylene	106	11.297	11.297	0.000	100	111320	8.00	8.71	
118 o-Xylene	106	11.625	11.631	-0.006	97	55141	4.00	4.20	
119 Styrene	104	11.644	11.643	0.001	93	88776	4.00	4.22	
120 Bromoform	173	11.802	11.795	0.007	96	21966	4.00	3.77	
121 Isopropylbenzene	105	11.929	11.929	0.000	95	148079	4.00	4.31	
123 Cyclohexanone	55	12.002	12.002	0.000	92	118942	200.0	200.4	
$ 124 4-Bromofluorobenzene (Surr)	95	12.075	12.075	0.000	91	485755	50.0	50.3	
125 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	94	50350	4.00	4.10	
126 Bromobenzene	156	12.191	12.191	0.000	95	36161	4.00	4.10	
127 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	93	35408	10.0	10.3	
128 1,2,3-Trichloropropane	110	12.221	12.221	0.000	82	15118	4.00	4.12	
129 N-Propylbenzene	91	12.264	12.264	0.000	99	178541	4.00	4.43	
130 2-Chlorotoluene	126	12.337	12.337	0.000	97	36788	4.00	4.18	
131 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	130415	4.00	4.28	
132 4-Chlorotoluene	126	12.434	12.434	0.000	96	38084	4.00	4.34	
134 tert-Butylbenzene	134	12.641	12.641	0.000	93	23929	4.00	4.11	
136 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	98	135136	4.00	4.25	
137 sec-Butylbenzene	105	12.806	12.805	0.001	94	162893	4.00	4.25	
138 1,3-Dichlorobenzene	146	12.909	12.903	0.006	98	75711	4.00	4.32	
139 4-Isopropyltoluene	119	12.915	12.915	0.000	97	145927	4.00	4.23	
* 140 1,4-Dichlorobenzene-d4	152	12.958	12.963	-0.005	94	581165	50.0	50.0	
141 1,4-Dichlorobenzene	146	12.976	12.976	0.000	96	73570	4.00	4.31	
142 1,2,3-Trimethylbenzene	105	12.988	12.988	0.000	98	136558	4.00	4.22	
143 Benzyl chloride	91	13.055	13.055	0.000	98	97016	4.00	4.09	
144 1,3-Diethylbenzene	119	13.116	13.116	0.000	95	88885	4.00	4.27	
145 p-Diethylbenzene	119	13.189	13.189	0.000	95	94535	4.00	4.30	
146 n-Butylbenzene	92	13.207	13.207	0.000	97	74028	4.00	4.32	
147 1,2-Dichlorobenzene	146	13.237	13.237	0.000	98	77229	4.00	4.25	
148 o-diethylbenzene	119	13.262	13.262	0.000	94	72032	4.00	4.20	
150 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	89	14432	4.00	3.95	
151 1,3,5-Trichlorobenzene	180	13.913	13.912	0.001	98	59101	4.00	4.22	
152 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	95	56391	4.00	4.19	
153 Hexachlorobutadiene	225	14.418	14.417	0.001	97	20502	4.00	4.10	
154 Naphthalene	128	14.515	14.515	0.000	96	194706	4.00	4.18	
155 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	96	55758	4.00	4.14	
156 2-Methylnaphthalene	142	15.269	15.269	0.000	91	109412	4.00	3.90	
S 180 Total Diethylbenzene	1				0			12.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00100	Amount Added: 4.00	Units: uL	
MSV_CCV_CYC_00004	Amount Added: 32.00	Units: uL	
MSV_CCV_VOC#3_00100	Amount Added: 3.20	Units: uL	
MSV_CCV_2CEVE_00096	Amount Added: 4.00	Units: uL	
MSV_CCV_ETOH_00003	Amount Added: 20.00	Units: uL	
MSV_CCV_GASES_00321	Amount Added: 2.00	Units: uL	
MSV_HP4_ISSS_00016	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Dec-2022 13:45:46 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X12.D

Injection Date: 05-Dec-2022 20:37:30 Instrument ID: 23297 Operator ID: kas02648

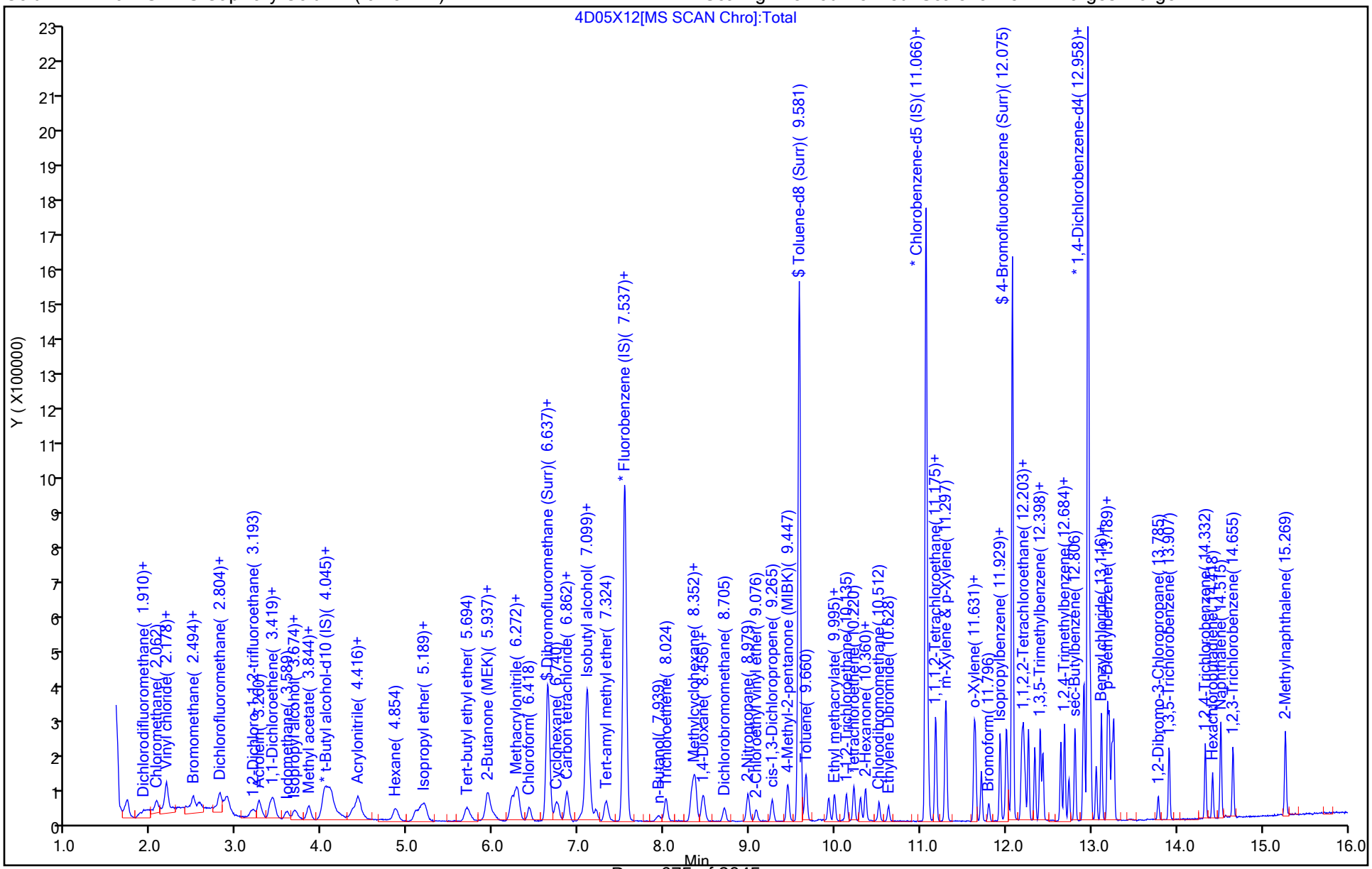
Lims ID: IC v4 Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 12

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

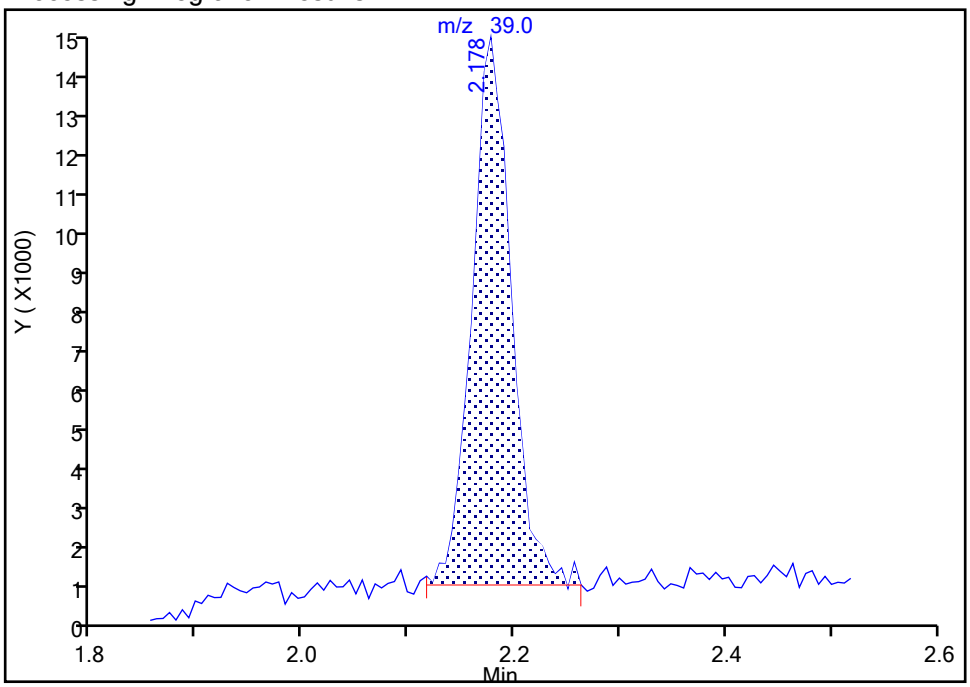
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X12.D				
Injection Date:	05-Dec-2022 20:37:30	Instrument ID:	23297		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

6 Butadiene, CAS: 106-99-0

Signal: 1

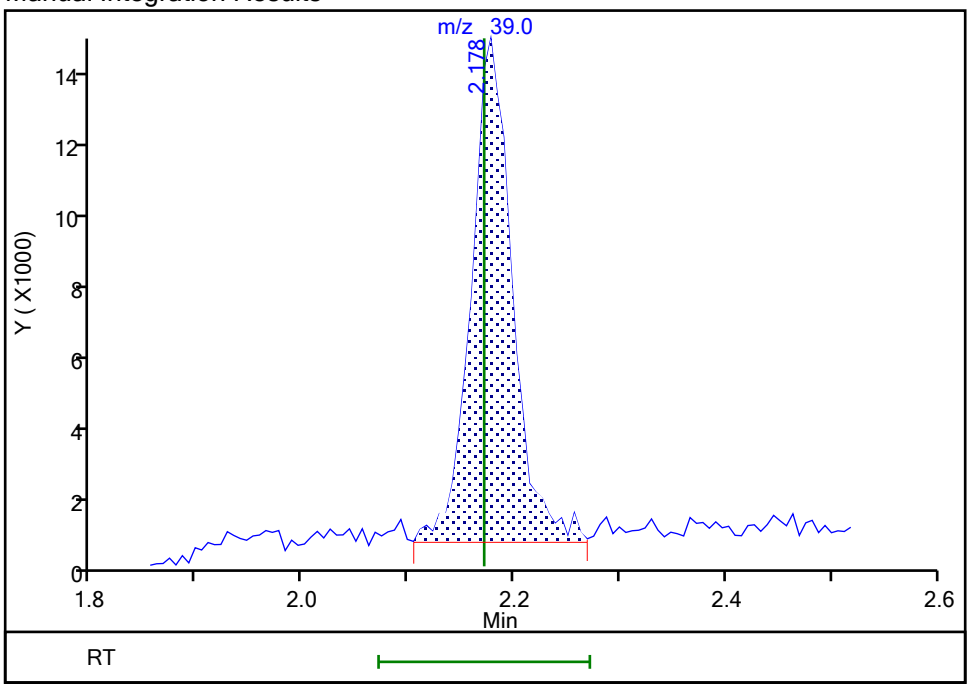
Processing Integration Results

RT: 2.18
Area: 35176
Amount: 3.424839
Amount Units: ug/l



Manual Integration Results

RT: 2.18
Area: 37477
Amount: 3.813353
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:58:20
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

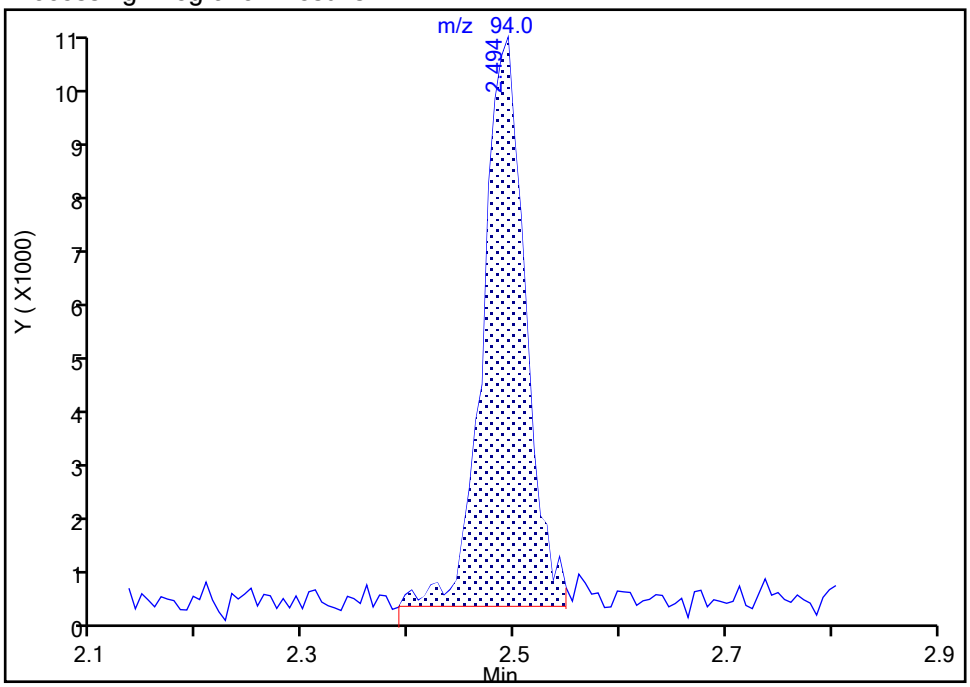
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X12.D				
Injection Date:	05-Dec-2022 20:37:30	Instrument ID:	23297		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

8 Bromomethane, CAS: 74-83-9

Signal: 1

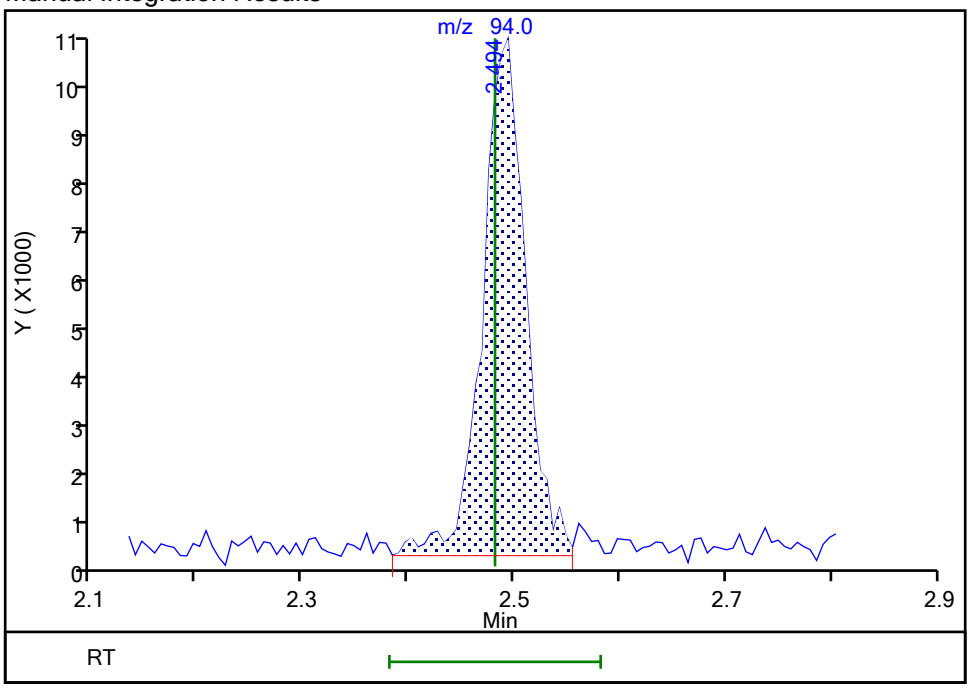
Processing Integration Results

RT: 2.49
Area: 28926
Amount: 3.936695
Amount Units: ug/l



Manual Integration Results

RT: 2.49
Area: 29395
Amount: 3.825644
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:50:23

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

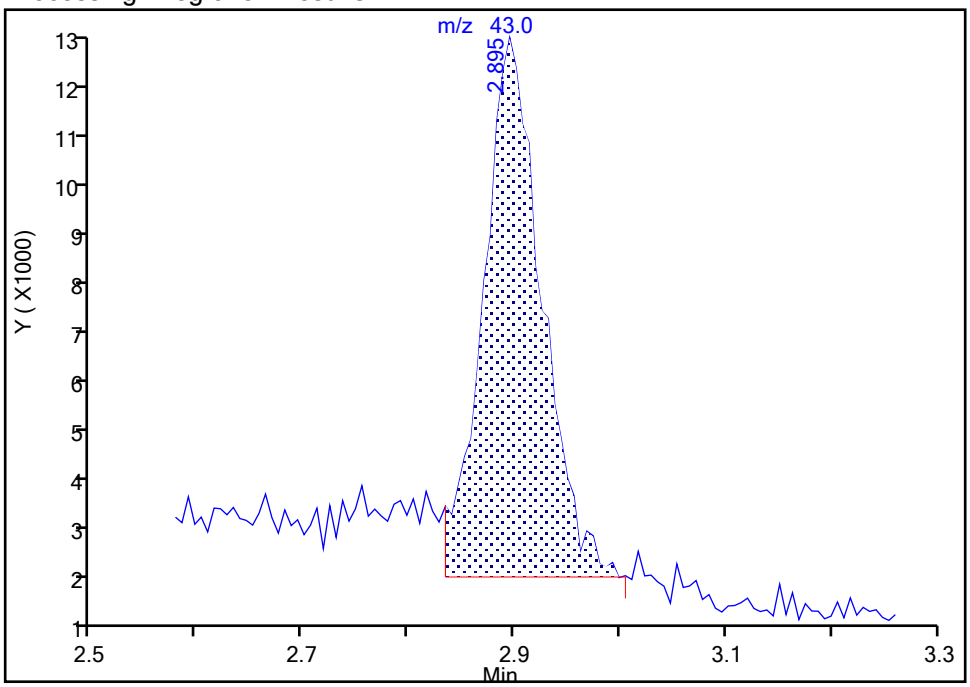
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X12.D
Injection Date: 05-Dec-2022 20:37:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

12 Pentane, CAS: 109-66-0

Signal: 1

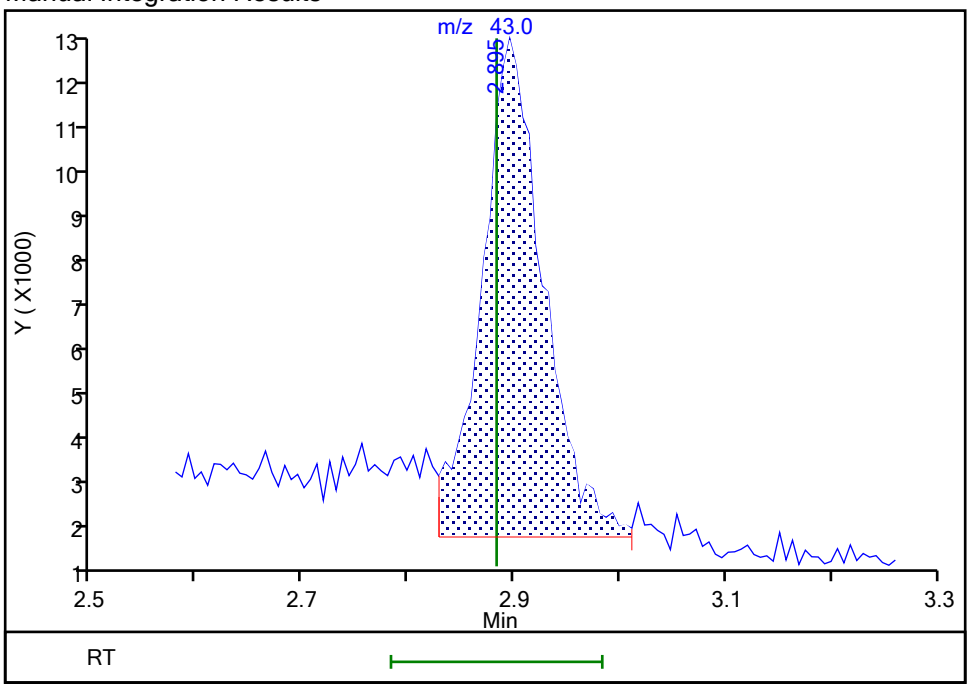
Processing Integration Results

RT: 2.90
Area: 41031
Amount: 3.823016
Amount Units: ug/l



Manual Integration Results

RT: 2.90
Area: 44357
Amount: 4.853016
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:59:11
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

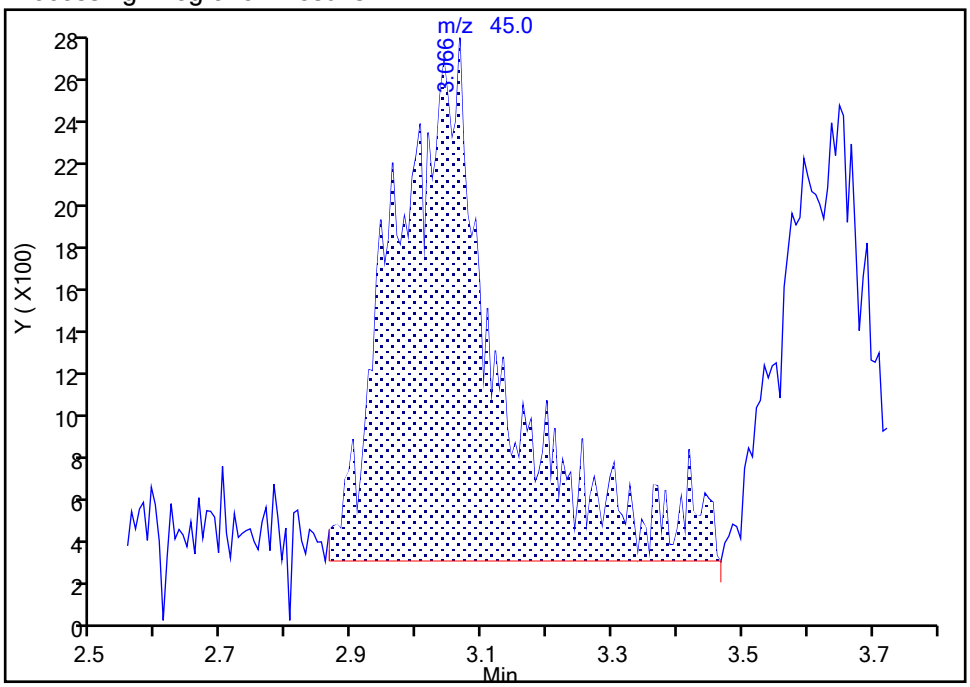
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X12.D				
Injection Date:	05-Dec-2022 20:37:30	Instrument ID:	23297		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

13 Ethanol, CAS: 64-17-5

Signal: 1

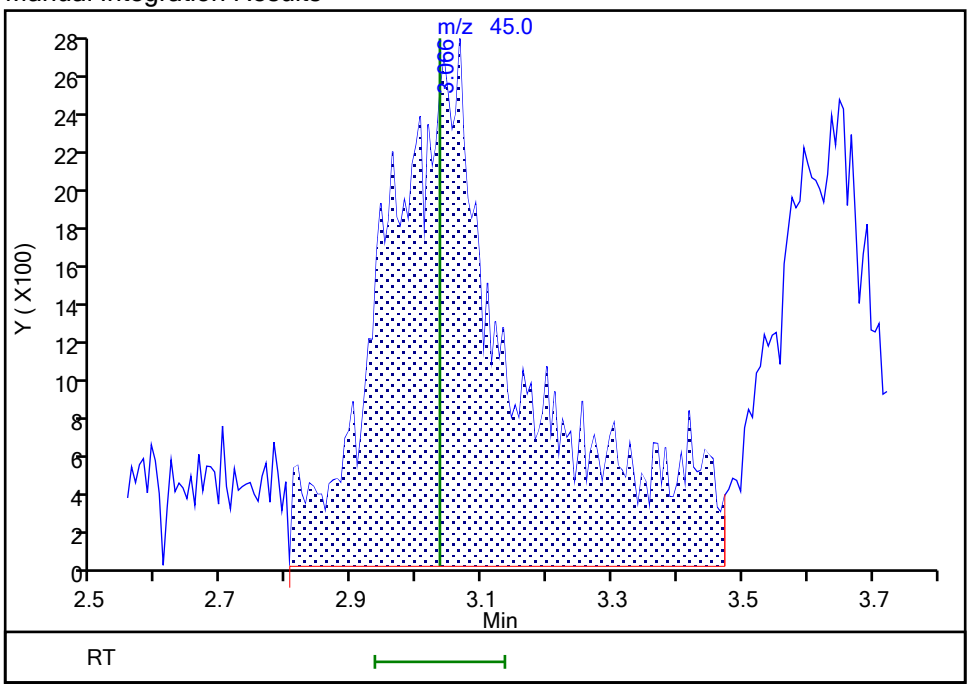
Processing Integration Results

RT: 3.07
Area: 27815
Amount: 197.8330
Amount Units: ug/l



Manual Integration Results

RT: 3.07
Area: 39282
Amount: 281.1509
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:52:05
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

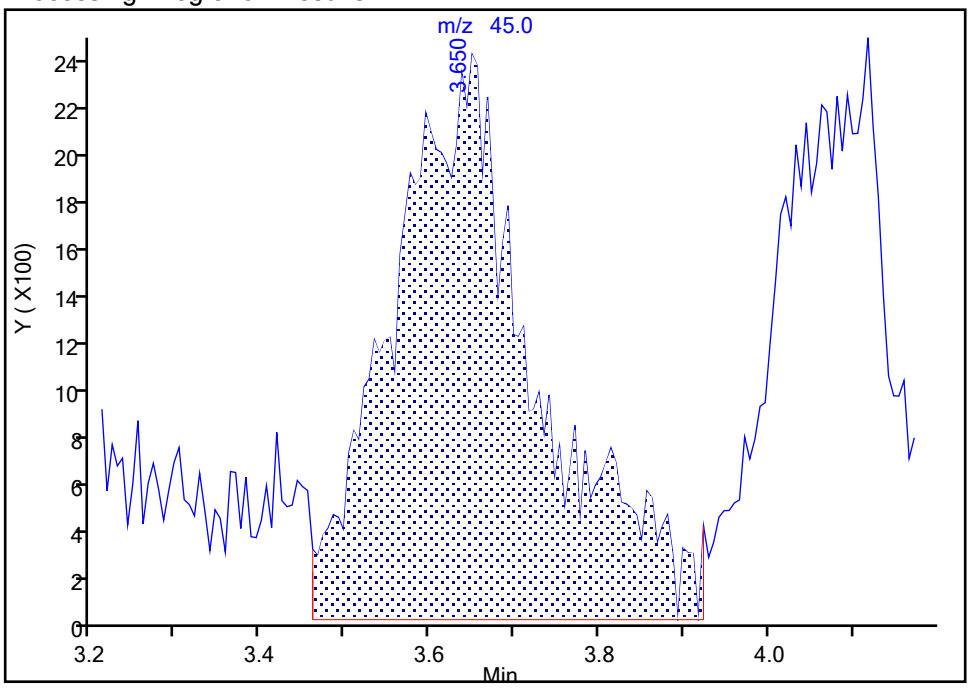
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X12.D				
Injection Date:	05-Dec-2022 20:37:30	Instrument ID:	23297		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

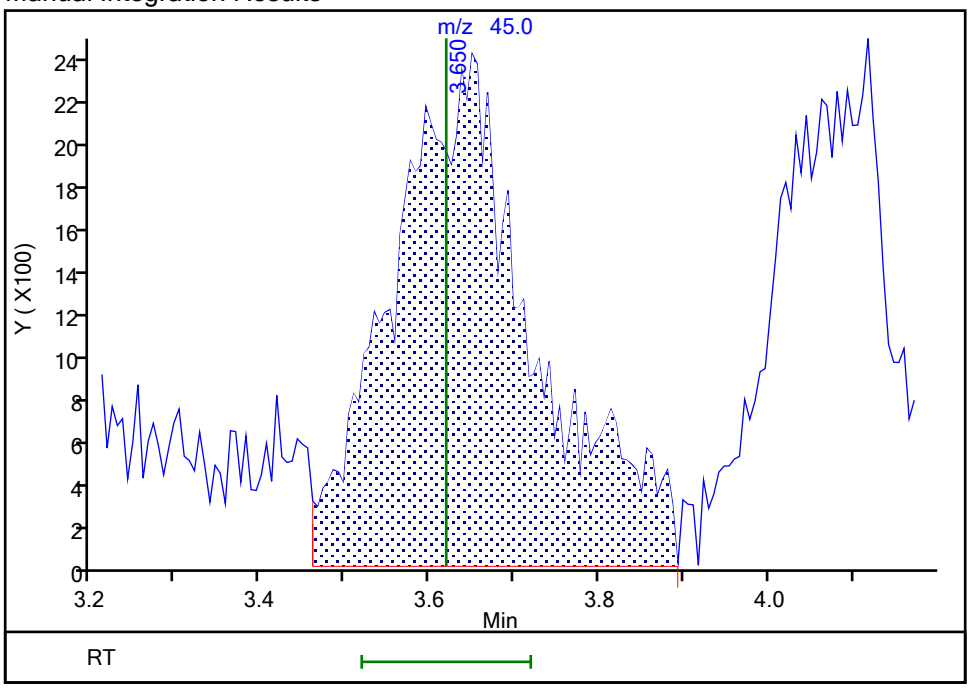
Processing Integration Results

RT: 3.65
Area: 28531
Amount: 21.790935
Amount Units: ug/l



Manual Integration Results

RT: 3.65
Area: 28062
Amount: 23.022290
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:52:24
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

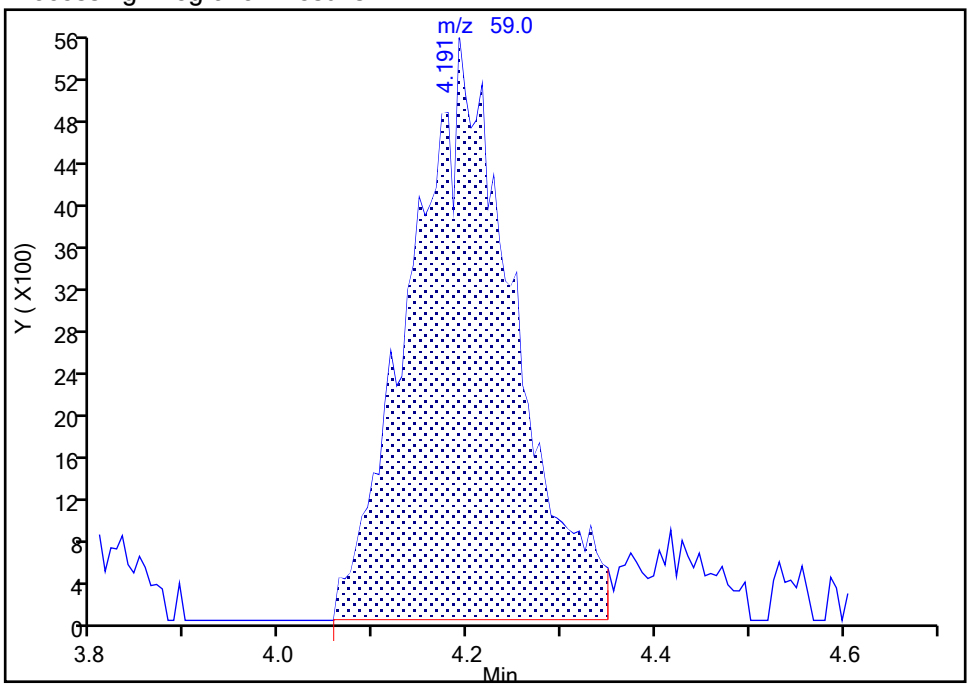
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X12.D
Injection Date: 05-Dec-2022 20:37:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

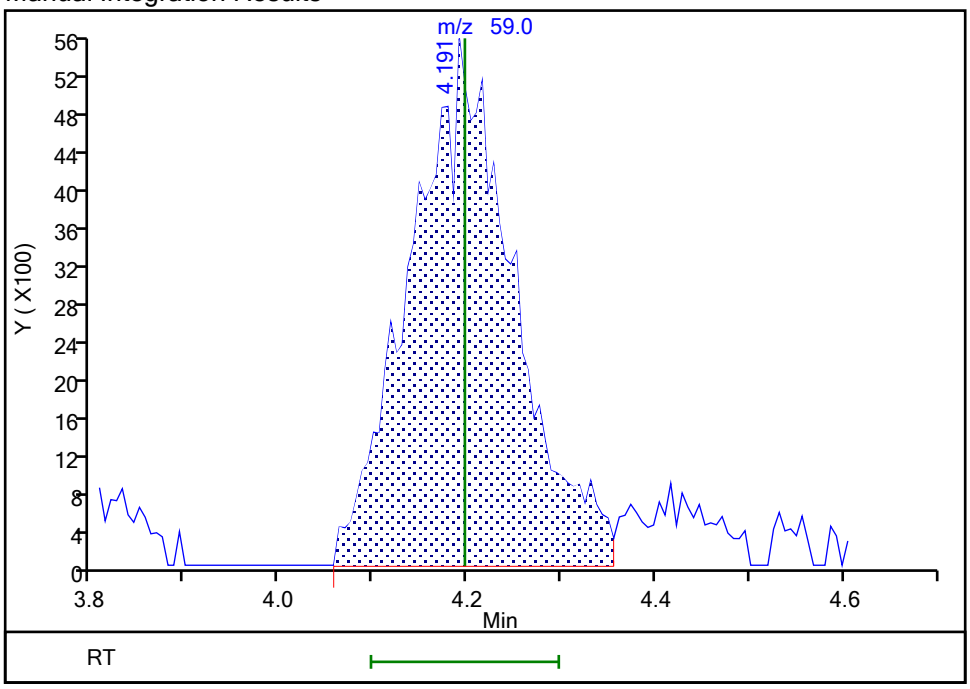
Processing Integration Results

RT: 4.19
Area: 42680
Amount: 19.695838
Amount Units: ug/l



Manual Integration Results

RT: 4.19
Area: 42783
Amount: 20.835002
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:53:20
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

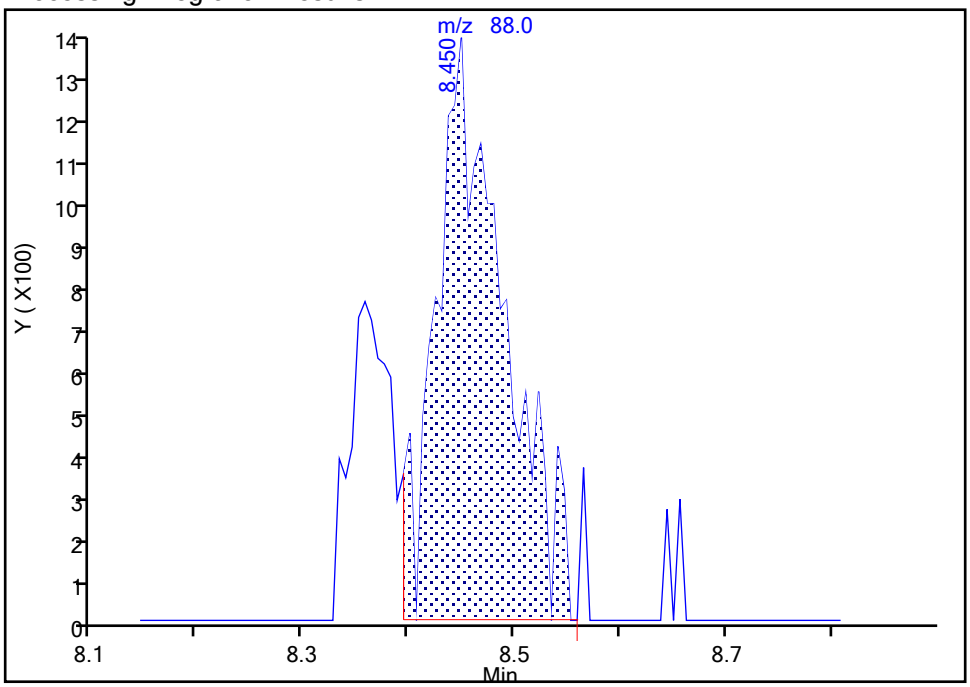
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X12.D				
Injection Date:	05-Dec-2022 20:37:30	Instrument ID:	23297		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

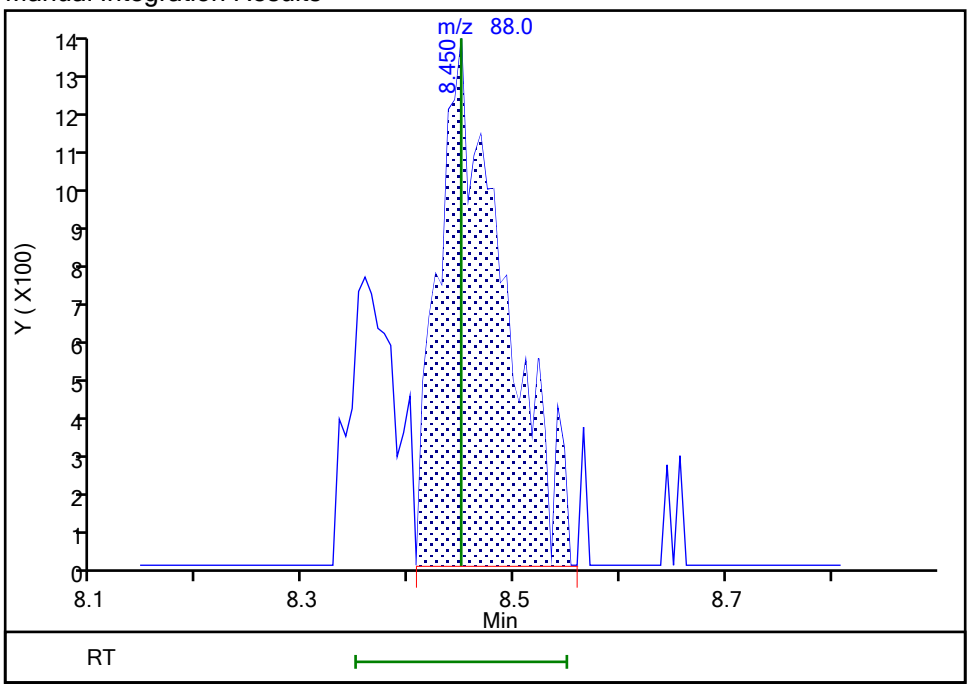
Processing Integration Results

RT: 8.45
Area: 6036
Amount: 51.415268
Amount Units: ug/l



Manual Integration Results

RT: 8.45
Area: 5759
Amount: 42.029534
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:56:07

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

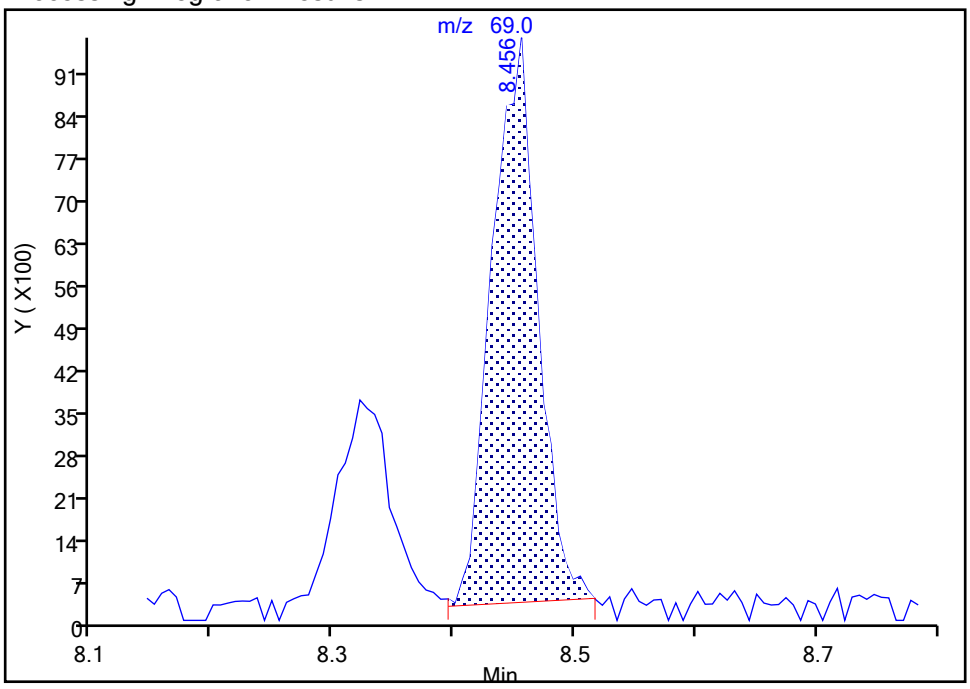
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X12.D				
Injection Date:	05-Dec-2022 20:37:30	Instrument ID:	23297		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 Methyl methacrylate, CAS: 80-62-6

Signal: 1

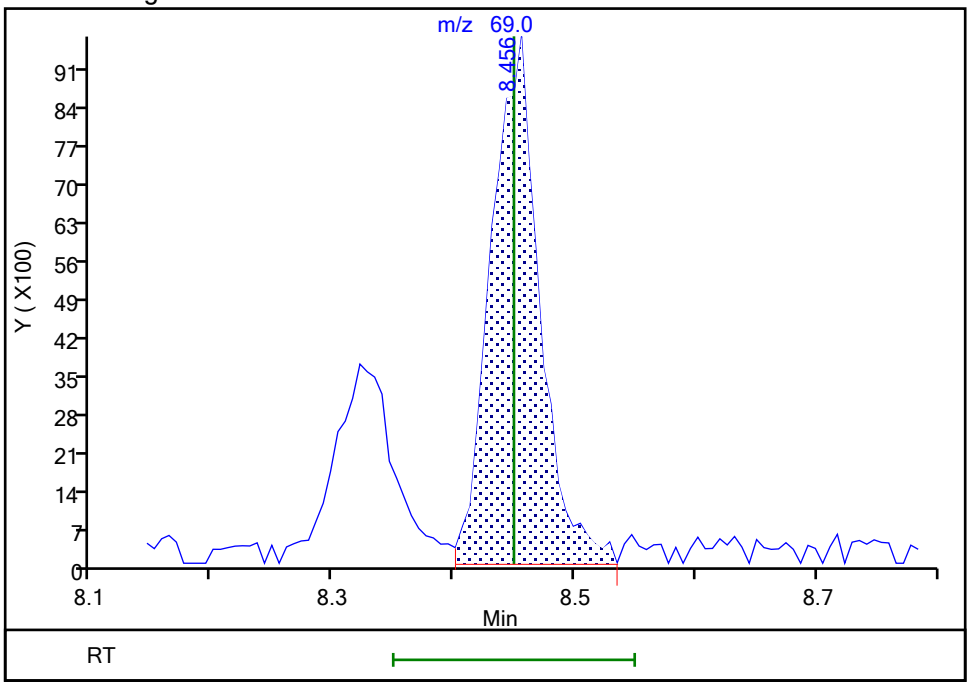
Processing Integration Results

RT: 8.46
Area: 24738
Amount: 3.569731
Amount Units: ug/l



Manual Integration Results

RT: 8.46
Area: 27123
Amount: 3.960680
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:55:52
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

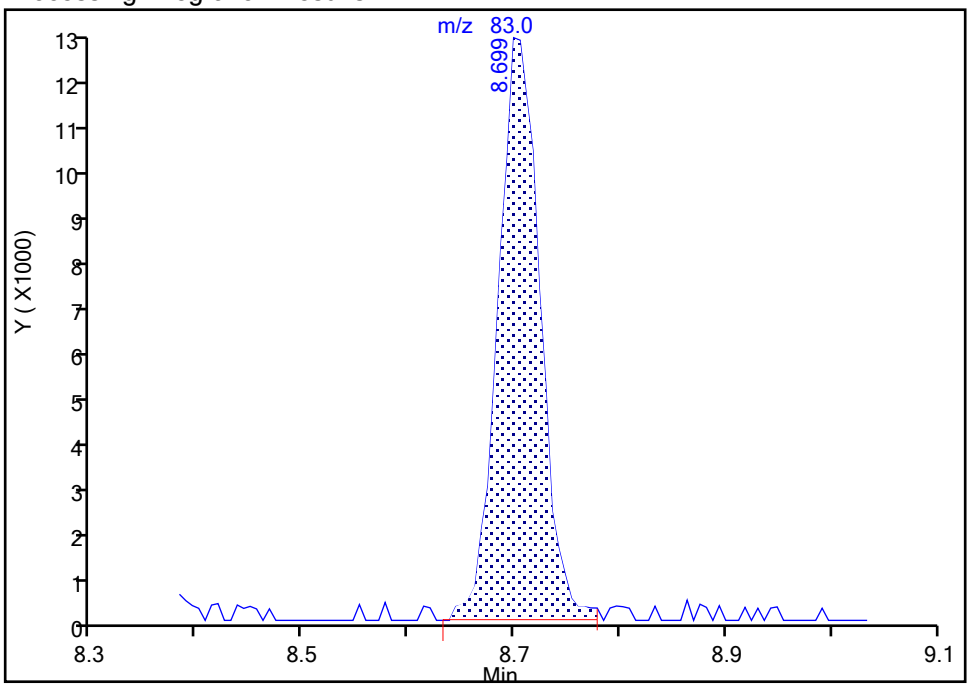
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X12.D
Injection Date: 05-Dec-2022 20:37:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

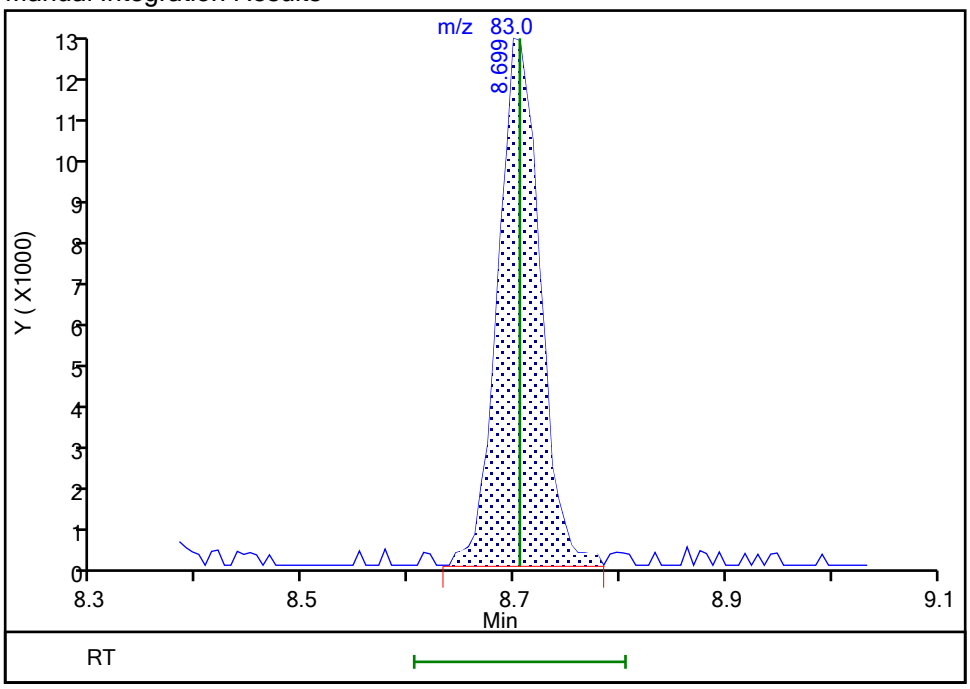
Processing Integration Results

RT: 8.70
Area: 35252
Amount: 3.935339
Amount Units: ug/l



Manual Integration Results

RT: 8.70
Area: 35252
Amount: 4.007095
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 06:56:22
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X14.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-Dec-2022 21:22:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0072549-014
Misc. Info.: LG 10
Operator ID: kas02648 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 06-Dec-2022 13:46:17 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: ULCP Date: 06-Dec-2022 06:57:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.873	1.861	0.012	99	129981	10.0	10.0	
4 Chloromethane	50	2.056	2.050	0.006	99	115303	10.0	10.3	
5 Vinyl chloride	62	2.165	2.159	0.006	97	113852	10.0	10.6	
6 Butadiene	39	2.177	2.171	0.006	95	94601	10.0	9.68	
8 Bromomethane	94	2.488	2.481	0.007	91	85464	10.0	11.2	
9 Chloroethane	64	2.567	2.561	0.006	100	56604	10.0	10.1	
10 Dichlorofluoromethane	67	2.798	2.792	0.006	97	151718	10.0	10.3	M
11 Trichlorofluoromethane	101	2.865	2.853	0.012	97	139844	10.0	10.2	
12 Pentane	43	2.895	2.883	0.012	95	89253	10.0	9.82	
13 Ethanol	45	3.035	3.035	0.000	28	60664	500.0	446.9	M
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.181	3.169	0.012	90	78223	10.0	10.2	M
16 Acrolein	56	3.266	3.248	0.018	99	232360	100.0	108.1	
17 1,1-Dichloroethene	96	3.388	3.382	0.006	98	62599	10.0	9.94	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.418	3.418	0.000	92	67538	10.0	9.79	
18 Acetone	58	3.437	3.437	0.000	98	23276	20.0	20.2	
21 Iodomethane	142	3.583	3.577	0.007	98	118542	10.0	9.91	
20 Isopropyl alcohol	45	3.613	3.619	-0.006	45	56284	50.0	47.5	
22 Carbon disulfide	76	3.680	3.674	0.006	99	191319	10.0	9.83	
24 Methyl acetate	43	3.826	3.814	0.012	99	76361	10.0	9.91	
25 3-Chloro-1-propene	41	3.844	3.832	0.012	89	83354	10.0	10.2	
26 Methylene Chloride	84	4.027	4.021	0.006	89	69901	10.0	10.0	
* 27 t-Butyl alcohol-d10 (IS)	65	4.082	4.069	0.013	97	496100	250.0	250.0	
28 2-Methyl-2-propanol	59	4.191	4.197	-0.006	96	105159	50.0	52.7	M
29 Acrylonitrile	53	4.361	4.343	0.018	99	107539	25.0	24.6	
30 Methyl tert-butyl ether	73	4.416	4.416	0.000	97	197599	10.0	9.91	
31 trans-1,2-Dichloroethene	96	4.428	4.416	0.012	98	64259	10.0	10.0	
33 Hexane	57	4.854	4.842	0.012	94	85241	10.0	10.3	
34 1,1-Dichloroethane	63	5.098	5.085	0.013	96	105313	10.0	10.1	
36 Isopropyl ether	45	5.158	5.146	0.012	95	176390	10.0	9.93	
37 2-Chloro-1,3-butadiene	53	5.201	5.189	0.012	92	88860	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
38 Tert-butyl ethyl ether	59	5.688	5.688	0.000	97	183595	10.0	9.91	
39 2-Butanone (MEK)	43	5.913	5.907	0.006	99	113877	20.0	19.2	
40 cis-1,2-Dichloroethene	96	5.931	5.925	0.006	83	70037	10.0	9.97	
41 2,2-Dichloropropane	77	5.943	5.943	0.000	74	107478	10.0	9.89	
43 Propionitrile	54	6.004	5.998	0.006	98	89170	50.0	49.1	
S 44 1,2-Dichloroethene, Total	100				0			20.0	
45 Methacrylonitrile	67	6.223	6.211	0.012	91	106065	25.0	23.7	
46 Chlorobromomethane	128	6.266	6.265	0.001	89	39374	10.0	10.1	
47 Tetrahydrofuran	71	6.290	6.278	0.012	90	87108	50.0	49.2	
48 Chloroform	83	6.424	6.418	0.006	93	112742	10.0	10.0	
$ 49 Dibromofluoromethane (Surr)	113	6.643	6.630	0.013	93	338721	50.0	50.2	
50 1,1,1-Trichloroethane	97	6.649	6.649	0.000	98	109514	10.0	10.0	
51 Cyclohexane	56	6.740	6.740	0.000	91	109061	10.0	9.66	
52 Carbon tetrachloride	117	6.862	6.856	0.006	90	94773	10.0	10.0	
53 1,1-Dichloropropene	75	6.862	6.862	0.000	94	84049	10.0	10.1	
54 Isobutyl alcohol	41	7.044	7.044	0.000	91	70745	125.0	124.4	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.093	7.093	0.000	75	75066	50.0	48.7	
56 Benzene	78	7.129	7.123	0.006	95	248710	10.0	10.0	
57 1,2-Dichloroethane	62	7.202	7.196	0.006	98	90581	10.0	9.90	
59 Tert-amyl methyl ether	73	7.318	7.318	0.000	98	184618	10.0	9.83	
* 60 Fluorobenzene (IS)	96	7.537	7.537	0.000	99	1296302	50.0	50.0	
61 n-Heptane	43	7.561	7.549	0.012	91	83107	10.0	9.79	
63 n-Butanol	56	7.933	7.932	0.000	88	61035	125.0	120.9	
64 Trichloroethene	95	8.018	8.018	0.000	97	69410	10.0	9.93	
65 Methylcyclohexane	83	8.322	8.322	0.000	90	119655	10.0	9.71	
66 1,2-Dichloropropane	63	8.352	8.352	0.000	94	65160	10.0	10.1	
67 2-ethoxy-2-methyl butane	87	8.371	8.364	0.007	93	86417	10.0	9.67	
69 1,4-Dioxane	88	8.450	8.449	0.001	34	18949	125.0	142.3	M
68 Methyl methacrylate	69	8.450	8.449	0.001	94	63674	10.0	9.35	
70 Dibromomethane	93	8.468	8.462	0.006	93	46475	10.0	9.65	
72 Dichlorobromomethane	83	8.705	8.705	0.000	99	85094	10.0	9.72	
73 2-Nitropropane	41	8.979	8.979	0.000	99	161143	50.0	50.1	
74 2-Chloroethyl vinyl ether	63	9.076	9.076	0.000	91	48336	10.0	9.62	
75 cis-1,3-Dichloropropene	75	9.265	9.265	0.000	95	102470	10.0	9.71	
76 4-Methyl-2-pentanone (MIBK)	43	9.447	9.441	0.006	96	227781	20.0	20.2	
$ 77 Toluene-d8 (Surr)	98	9.581	9.581	0.000	93	1286847	50.0	50.5	
78 Toluene	92	9.660	9.660	0.000	98	164259	10.0	10.3	
79 trans-1,3-Dichloropropene	75	9.928	9.922	0.006	93	97383	10.0	9.94	
80 Ethyl methacrylate	69	9.995	9.989	0.006	88	107506	10.0	9.92	
S 102 1,3-Dichloropropene, Total	100				0			19.7	
103 1,1,2-Trichloroethane	97	10.135	10.129	0.007	91	63380	10.0	9.75	
104 Tetrachloroethene	166	10.220	10.220	0.000	97	77200	10.0	10.4	
105 1,3-Dichloropropane	76	10.299	10.299	0.000	91	100114	10.0	10.1	
107 2-Hexanone	43	10.354	10.354	0.000	96	169567	20.0	20.6	
109 Chlorodibromomethane	129	10.518	10.512	0.006	90	70361	10.0	9.74	
110 Ethylene Dibromide	107	10.628	10.627	0.001	99	70687	10.0	9.87	
* 111 Chlorobenzene-d5 (IS)	117	11.066	11.065	0.001	84	993133	50.0	50.0	
112 1-Chlorohexane	91	11.078	11.078	0.000	96	95784	10.0	9.92	
113 Chlorobenzene	112	11.090	11.090	0.000	97	196115	10.0	10.1	
114 1,1,1,2-Tetrachloroethane	131	11.175	11.175	0.000	96	71523	10.0	9.88	
115 Ethylbenzene	91	11.181	11.181	0.000	98	331016	10.0	10.3	
S 116 Xylenes, Total	106				0			30.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
117 m-Xylene & p-Xylene	106	11.297	11.297	0.000	100	261487	20.0	20.4	
118 o-Xylene	106	11.631	11.631	0.000	97	132536	10.0	10.1	
119 Styrene	104	11.643	11.643	0.000	95	214241	10.0	10.1	
120 Bromoform	173	11.802	11.795	0.007	97	55914	10.0	9.56	
121 Isopropylbenzene	105	11.929	11.929	0.000	96	356164	10.0	10.3	
123 Cyclohexanone	55	12.008	12.002	0.006	92	151222	250.0	262.2	
$ 124 4-Bromofluorobenzene (Surr)	95	12.075	12.075	0.000	91	488402	50.0	50.3	
125 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	94	122536	10.0	9.78	
126 Bromobenzene	156	12.191	12.191	0.000	95	89892	10.0	10.0	
127 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	94	82682	25.0	23.5	
128 1,2,3-Trichloropropane	110	12.221	12.221	0.000	83	36586	10.0	9.79	
129 N-Propylbenzene	91	12.264	12.264	0.000	99	420830	10.0	10.2	
130 2-Chlorotoluene	126	12.337	12.337	0.000	97	88939	10.0	9.92	
131 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	307042	10.0	9.88	
132 4-Chlorotoluene	126	12.434	12.434	0.000	96	89084	10.0	9.95	
134 tert-Butylbenzene	134	12.641	12.641	0.000	93	56974	10.0	9.60	
136 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	98	323006	10.0	9.97	
137 sec-Butylbenzene	105	12.805	12.805	0.000	94	390457	10.0	10.0	
138 1,3-Dichlorobenzene	146	12.903	12.903	0.000	98	177146	10.0	9.92	
139 4-Isopropyltoluene	119	12.915	12.915	0.000	97	352634	10.0	10.0	
* 140 1,4-Dichlorobenzene-d4	152	12.964	12.963	0.001	94	592520	50.0	50.0	
141 1,4-Dichlorobenzene	146	12.982	12.976	0.006	96	172292	10.0	9.91	
142 1,2,3-Trimethylbenzene	105	12.988	12.988	0.000	98	326709	10.0	9.90	
143 Benzyl chloride	91	13.055	13.055	0.000	98	236208	10.0	9.77	
144 1,3-Diethylbenzene	119	13.116	13.116	0.000	96	212499	10.0	10.0	
145 p-Diethylbenzene	119	13.189	13.189	0.000	95	225536	10.0	10.1	
146 n-Butylbenzene	92	13.207	13.207	0.000	97	176442	10.0	10.1	
147 1,2-Dichlorobenzene	146	13.237	13.237	0.000	99	185575	10.0	10.0	
148 o-diethylbenzene	119	13.262	13.262	0.000	94	172436	10.0	9.85	
150 1,2-Dibromo-3-Chloropropane	75	13.785	13.779	0.006	88	35182	10.0	9.45	
151 1,3,5-Trichlorobenzene	180	13.913	13.912	0.001	97	142022	10.0	9.95	
152 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	94	135123	10.0	9.84	
153 Hexachlorobutadiene	225	14.418	14.417	0.001	98	48824	10.0	9.58	
154 Naphthalene	128	14.515	14.515	0.000	97	465808	10.0	9.82	
155 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	96	135088	10.0	9.83	
156 2-Methylnaphthalene	142	15.269	15.269	0.000	92	268057	10.0	9.37	
S 180 Total Diethylbenzene	1				0			29.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00100	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00004	Amount Added:	8.00	Units: uL	
MSV_CCV_VOC#3_00100	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00096	Amount Added:	2.00	Units: uL	
MSV_CCV_ETOH_00003	Amount Added:	8.00	Units: uL	
MSV_CCV_GASES_00321	Amount Added:	1.00	Units: uL	
MSV_HP4_ISSS_00016	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Dec-2022 13:46:18 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X14.D

Injection Date: 05-Dec-2022 21:22:30 Instrument ID: 23297 Operator ID: kas02648

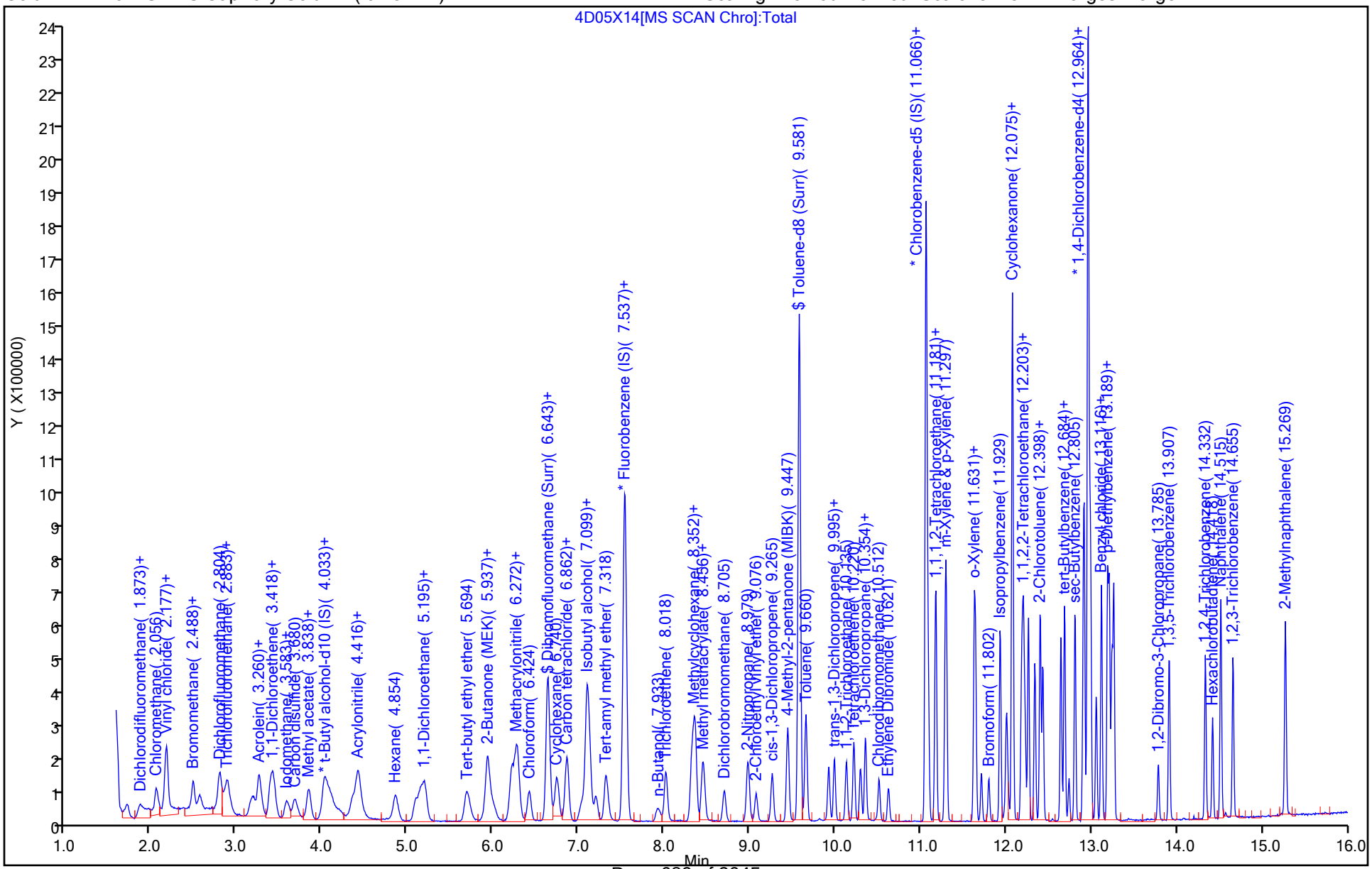
Lims ID: IC v10 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

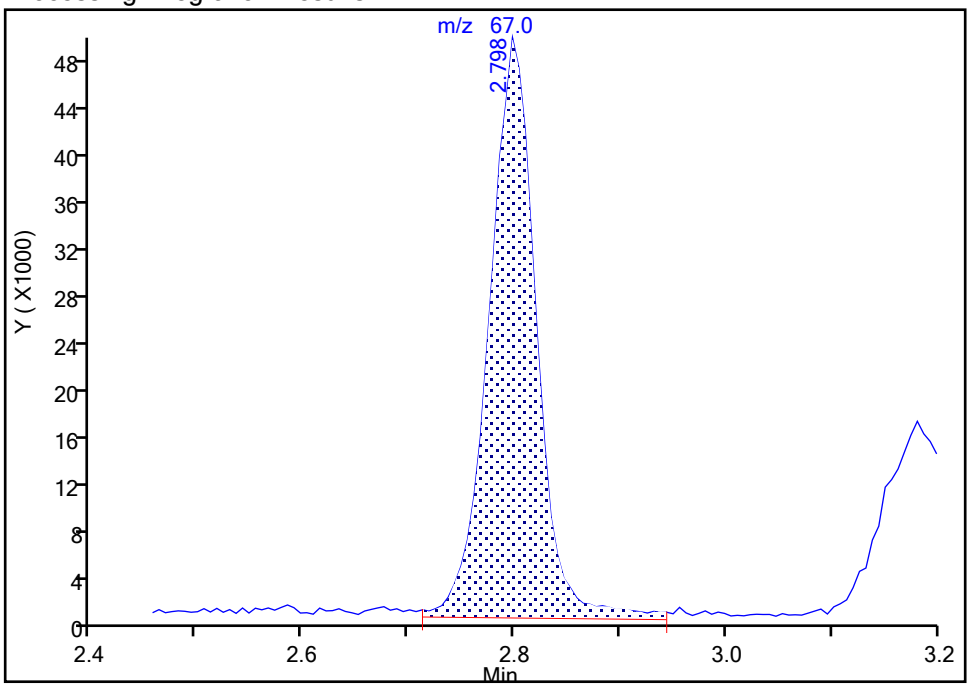
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X14.D
Injection Date: 05-Dec-2022 21:22:30 Instrument ID: 23297
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

10 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

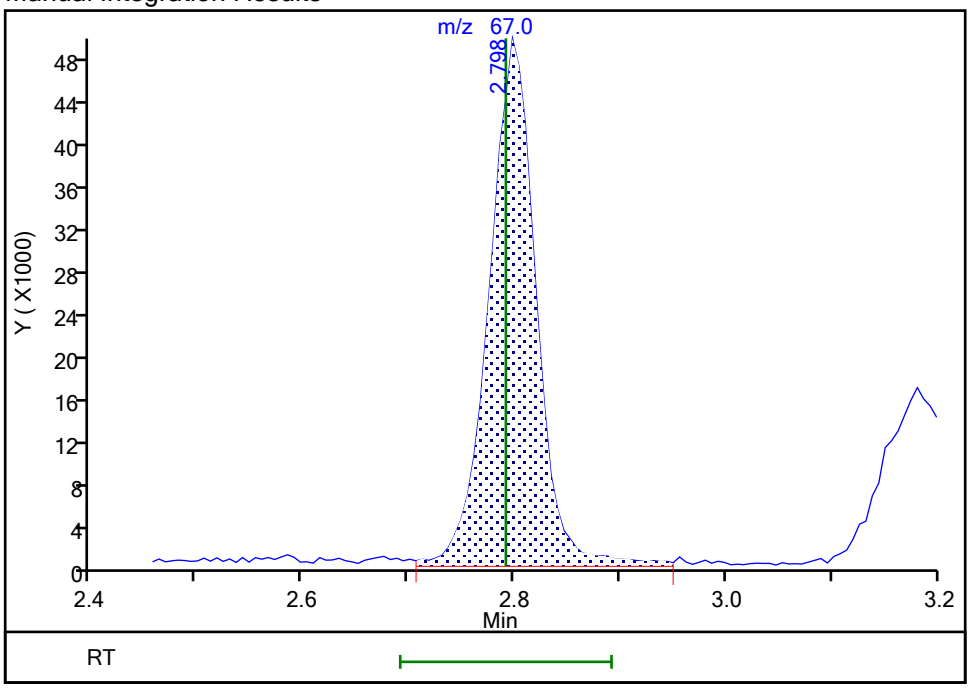
Processing Integration Results

RT: 2.80
Area: 153824
Amount: 9.998775
Amount Units: ug/l



Manual Integration Results

RT: 2.80
Area: 151718
Amount: 10.349919
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:35:46
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

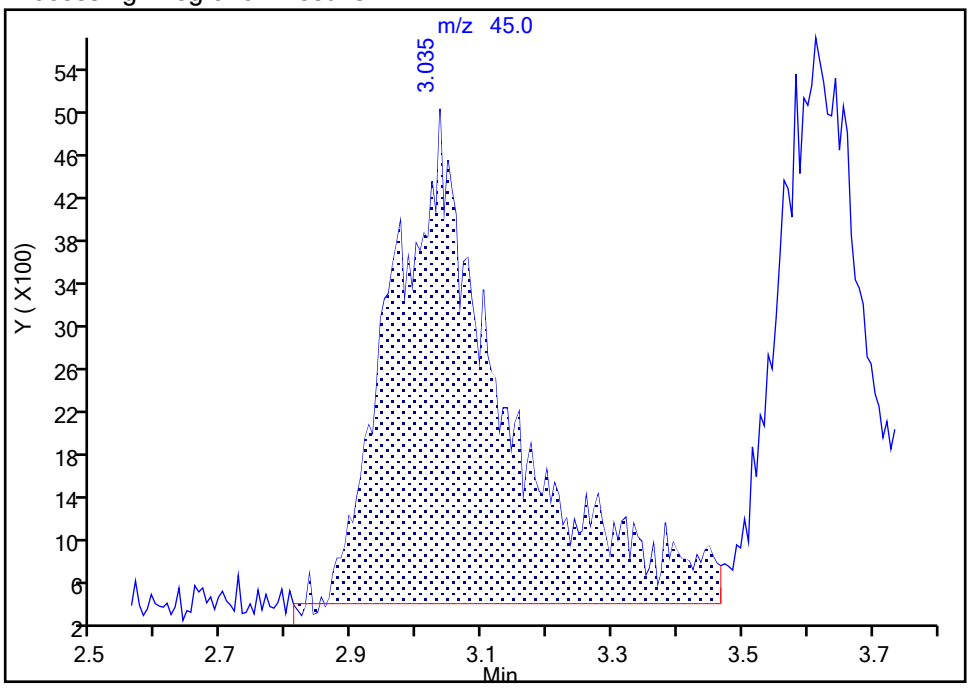
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X14.D
Injection Date: 05-Dec-2022 21:22:30 Instrument ID: 23297
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

13 Ethanol, CAS: 64-17-5

Signal: 1

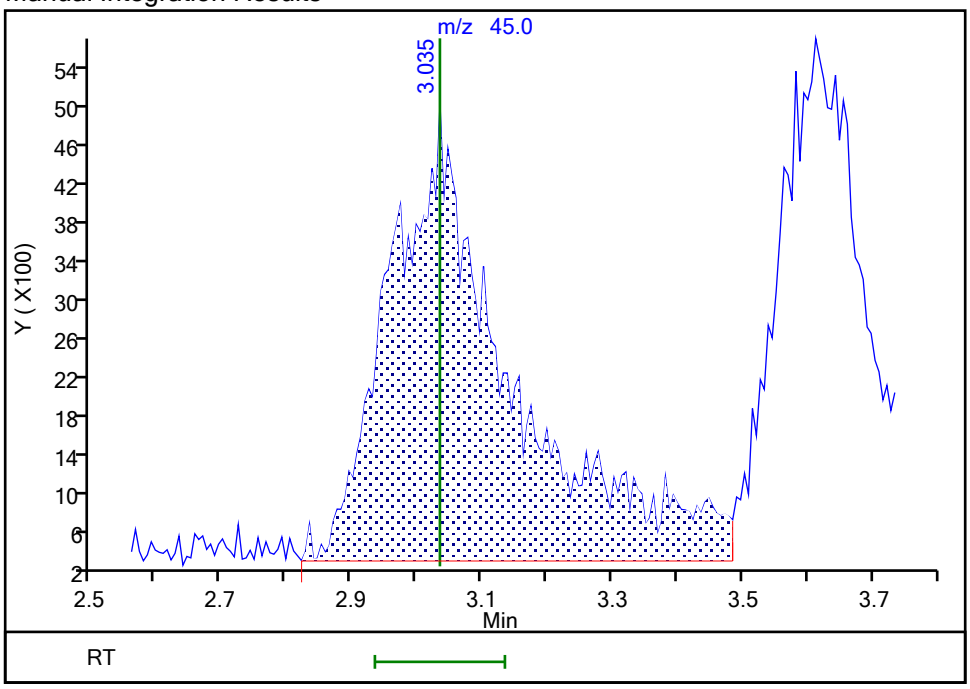
Processing Integration Results

RT: 3.04
Area: 55601
Amount: 393.2561
Amount Units: ug/l



Manual Integration Results

RT: 3.04
Area: 60664
Amount: 446.9126
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:36:17
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

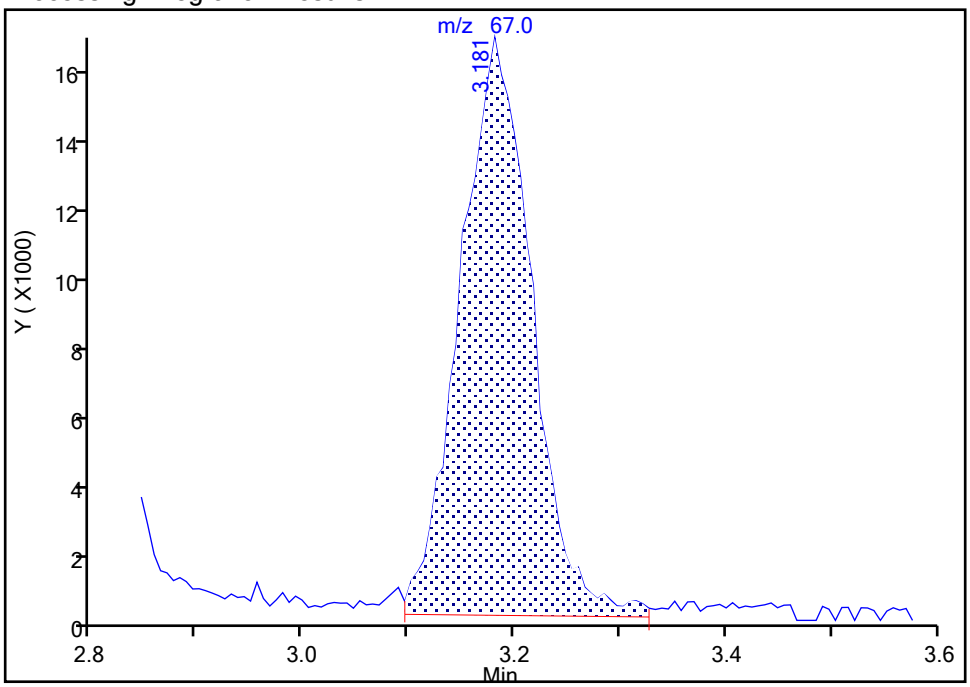
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X14.D				
Injection Date:	05-Dec-2022 21:22:30	Instrument ID:	23297		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

15 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

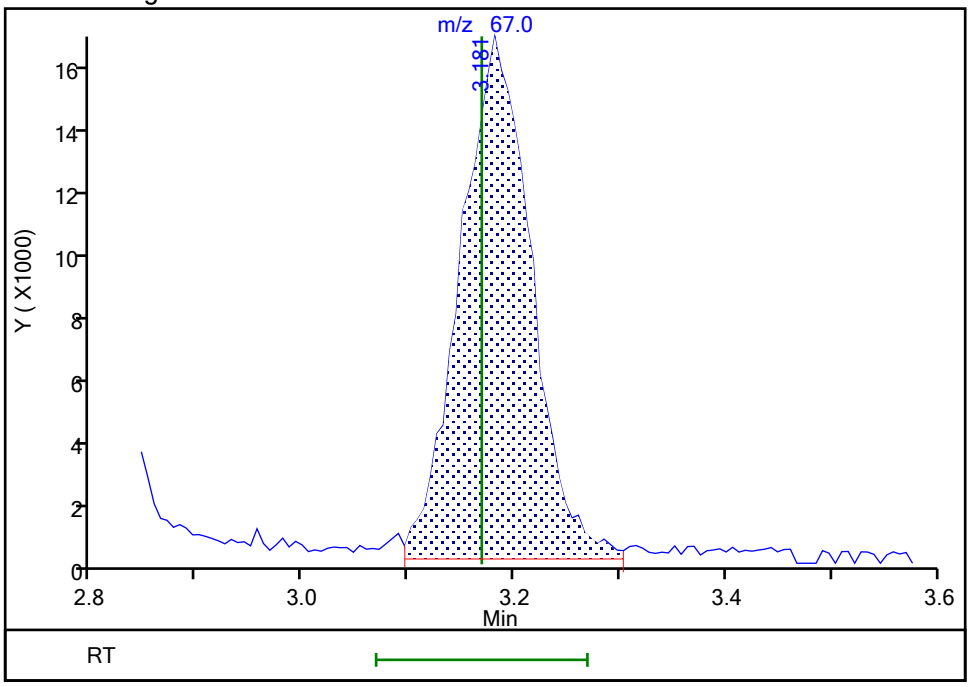
Processing Integration Results

RT: 3.18
Area: 78931
Amount: 10.095335
Amount Units: ug/l



Manual Integration Results

RT: 3.18
Area: 78223
Amount: 10.186243
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:36:42

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

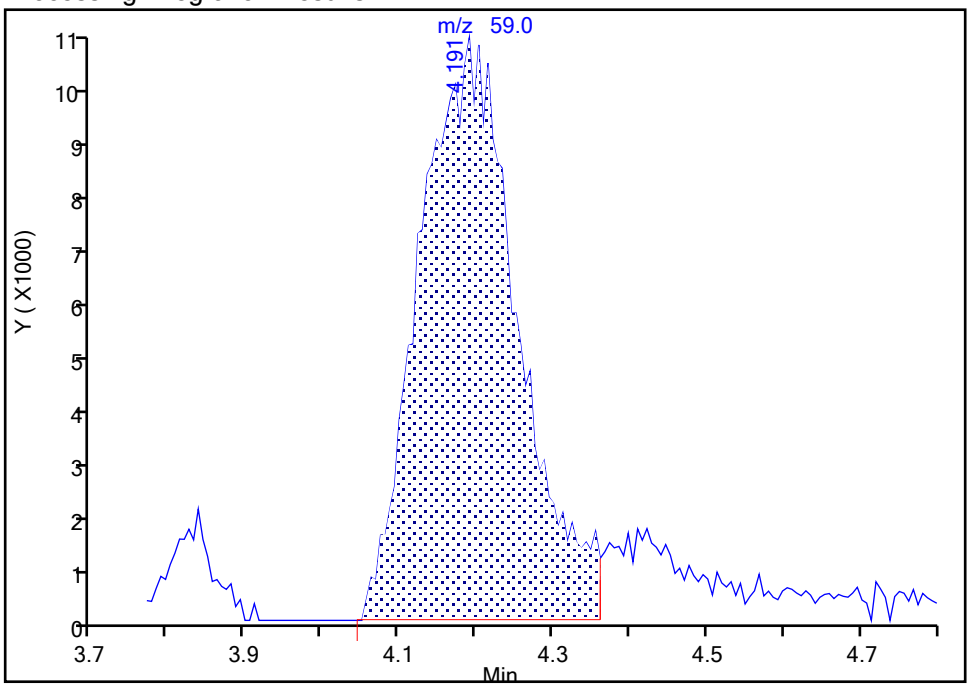
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X14.D				
Injection Date:	05-Dec-2022 21:22:30	Instrument ID:	23297		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	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

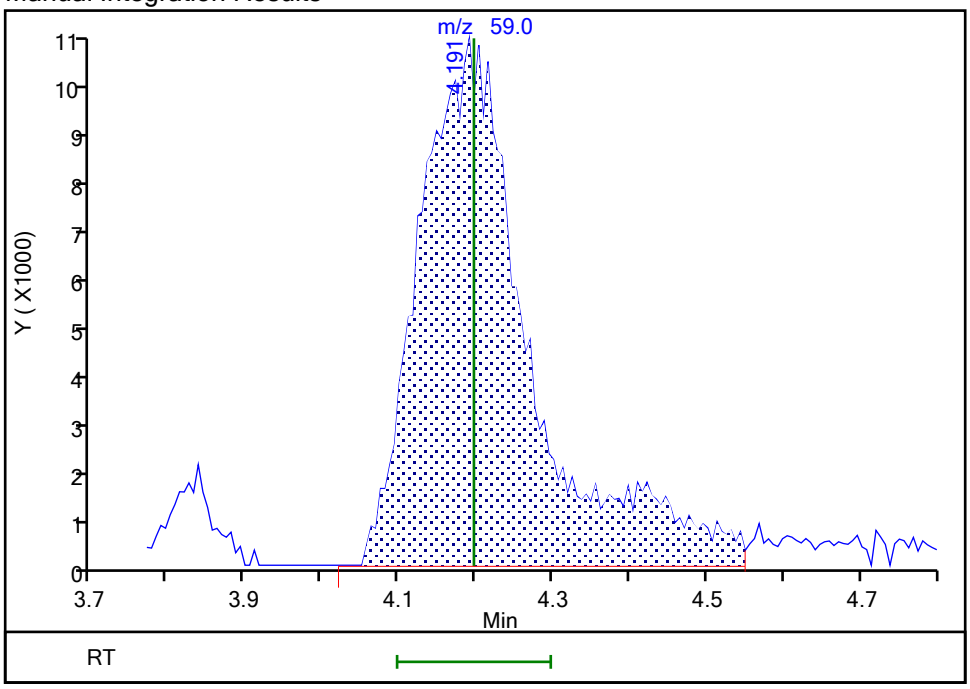
Processing Integration Results

RT: 4.19
Area: 93585
Amount: 45.693218
Amount Units: ug/l



Manual Integration Results

RT: 4.19
Area: 105159
Amount: 52.712591
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:37:35
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

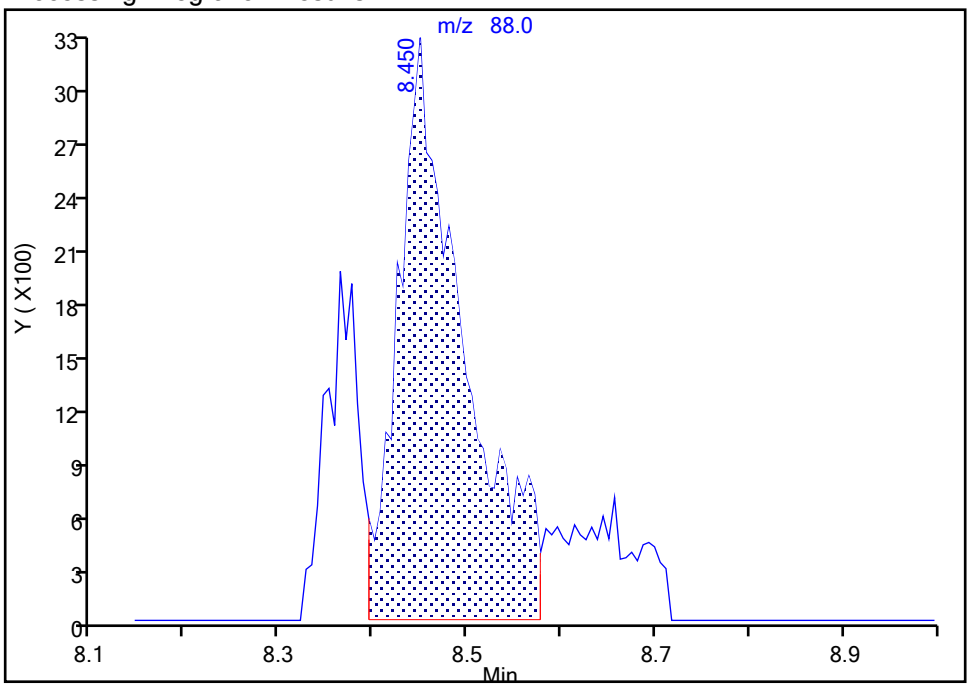
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X14.D
Injection Date: 05-Dec-2022 21:22:30 Instrument ID: 23297
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

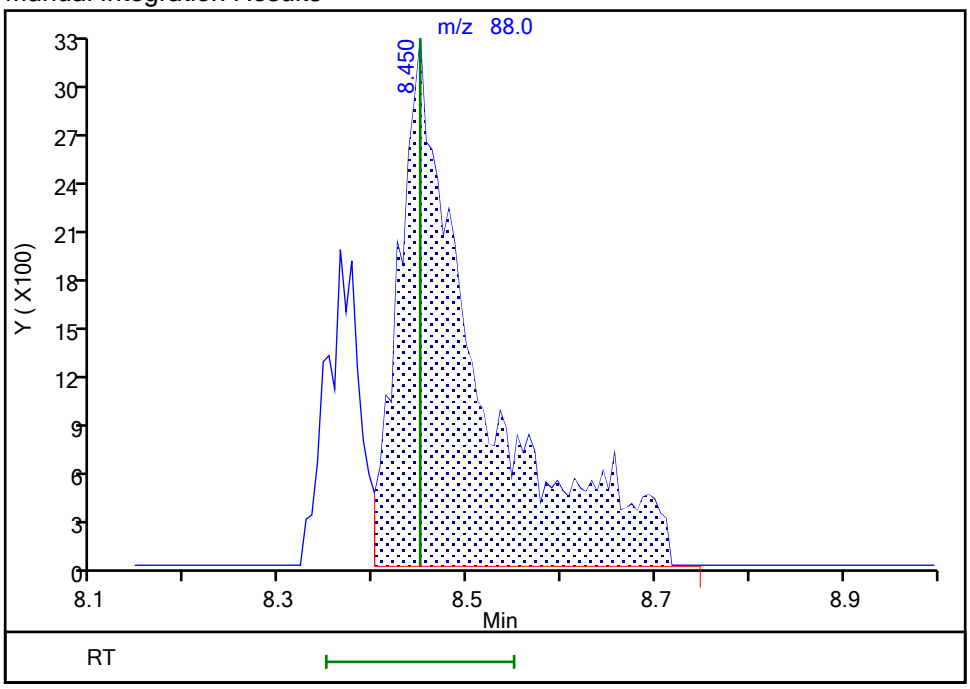
Processing Integration Results

RT: 8.45
Area: 15612
Amount: 135.2635
Amount Units: ug/l



Manual Integration Results

RT: 8.45
Area: 18949
Amount: 142.3441
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:39:33
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X15.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Dec-2022 21:45:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0072549-015
Misc. Info.: LG 20
Operator ID: kas02648 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 06-Dec-2022 13:46:26 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: ULCP Date: 06-Dec-2022 10:43:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.861	1.861	0.000	99	257011	20.0	20.0	
4 Chloromethane	50	2.050	2.050	0.000	99	218554	20.0	19.6	
5 Vinyl chloride	62	2.159	2.159	0.000	98	217528	20.0	20.5	
6 Butadiene	39	2.171	2.171	0.000	94	183666	20.0	19.0	M
8 Bromomethane	94	2.481	2.481	0.000	90	156787	20.0	20.7	M
9 Chloroethane	64	2.561	2.561	0.000	100	111240	20.0	20.0	
10 Dichlorofluoromethane	67	2.792	2.792	0.000	97	280882	20.0	19.3	
11 Trichlorofluoromethane	101	2.853	2.853	0.000	97	284724	20.0	21.0	
12 Pentane	43	2.883	2.883	0.000	96	176954	20.0	19.7	
13 Ethanol	45	3.035	3.035	0.000	27	126780	1000.0	879.8	M
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.169	3.169	0.000	91	149145	20.0	19.6	
16 Acrolein	56	3.248	3.248	0.000	99	464322	200.0	203.5	M
17 1,1-Dichloroethene	96	3.382	3.382	0.000	98	123560	20.0	19.8	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.418	3.418	0.000	92	143399	20.0	21.0	
18 Acetone	58	3.437	3.437	0.000	99	50397	40.0	41.3	M
21 Iodomethane	142	3.577	3.577	0.000	98	242294	20.0	20.5	
20 Isopropyl alcohol	45	3.619	3.619	0.000	67	127366	100.0	101.3	
22 Carbon disulfide	76	3.674	3.674	0.000	100	397468	20.0	20.6	
24 Methyl acetate	43	3.814	3.814	0.000	97	157359	20.0	20.6	
25 3-Chloro-1-propene	41	3.832	3.832	0.000	90	160868	20.0	19.9	
26 Methylene Chloride	84	4.021	4.021	0.000	91	135369	20.0	19.6	
* 27 t-Butyl alcohol-d10 (IS)	65	4.088	4.088	0.000	84	526665	250.0	250.0	
28 2-Methyl-2-propanol	59	4.197	4.197	0.000	100	211444	100.0	99.8	
29 Acrylonitrile	53	4.343	4.343	0.000	98	214914	50.0	49.6	
30 Methyl tert-butyl ether	73	4.416	4.416	0.000	96	400198	20.0	20.3	
31 trans-1,2-Dichloroethene	96	4.416	4.416	0.000	99	127000	20.0	20.0	
33 Hexane	57	4.842	4.842	0.000	94	165734	20.0	20.2	
34 1,1-Dichloroethane	63	5.085	5.085	0.000	96	210403	20.0	20.4	
36 Isopropyl ether	45	5.146	5.146	0.000	93	357262	20.0	20.3	
37 2-Chloro-1,3-butadiene	53	5.189	5.189	0.000	91	173659	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.688	5.688	0.000	97	372329	20.0	20.3	
39 2-Butanone (MEK)	43	5.907	5.907	0.000	98	242084	40.0	41.2	
40 cis-1,2-Dichloroethene	96	5.925	5.925	0.000	82	139482	20.0	20.0	
41 2,2-Dichloropropane	77	5.943	5.943	0.000	88	214549	20.0	19.9	
43 Propionitrile	54	5.998	5.998	0.000	99	198390	100.0	102.8	
S 44 1,2-Dichloroethene, Total	100				0			40.0	
45 Methacrylonitrile	67	6.211	6.211	0.000	92	218974	50.0	49.4	
46 Chlorobromomethane	128	6.265	6.265	0.000	88	79689	20.0	20.6	
47 Tetrahydrofuran	71	6.278	6.278	0.000	89	186608	100.0	99.4	
48 Chloroform	83	6.418	6.418	0.000	93	222354	20.0	19.9	
$ 49 Dibromofluoromethane (Surr)	113	6.630	6.630	0.000	93	332208	50.0	49.7	
50 1,1,1-Trichloroethane	97	6.649	6.649	0.000	97	218446	20.0	20.1	
51 Cyclohexane	56	6.740	6.740	0.000	90	227055	20.0	20.3	
52 Carbon tetrachloride	117	6.856	6.856	0.000	97	191378	20.0	20.4	
53 1,1-Dichloropropene	75	6.862	6.862	0.000	97	167524	20.0	20.3	
54 Isobutyl alcohol	41	7.044	7.044	0.000	94	157627	250.0	261.1	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.093	7.093	0.000	88	76828	50.0	50.4	
56 Benzene	78	7.123	7.123	0.000	96	504327	20.0	20.5	
57 1,2-Dichloroethane	62	7.196	7.196	0.000	98	180952	20.0	20.0	
59 Tert-amyl methyl ether	73	7.318	7.318	0.000	98	376487	20.0	20.2	
* 60 Fluorobenzene (IS)	96	7.531	7.531	0.000	99	1283662	50.0	50.0	
61 n-Heptane	43	7.549	7.549	0.000	91	172607	20.0	20.5	
63 n-Butanol	56	7.932	7.932	0.000	89	133402	250.0	248.9	
64 Trichloroethene	95	8.018	8.018	0.000	97	138875	20.0	20.1	
65 Methylcyclohexane	83	8.322	8.322	0.000	91	248173	20.0	20.3	
66 1,2-Dichloropropane	63	8.352	8.352	0.000	93	129717	20.0	20.3	
67 2-ethoxy-2-methyl butane	87	8.364	8.364	0.000	93	183195	20.0	20.7	
69 1,4-Dioxane	88	8.449	8.449	0.000	32	39260	250.0	277.8	
68 Methyl methacrylate	69	8.449	8.449	0.000	89	131127	20.0	19.4	
70 Dibromomethane	93	8.462	8.462	0.000	95	95550	20.0	20.0	
72 Dichlorobromomethane	83	8.705	8.705	0.000	99	170981	20.0	19.7	
73 2-Nitropropane	41	8.979	8.979	0.000	99	347326	100.0	101.8	
74 2-Chloroethyl vinyl ether	63	9.076	9.076	0.000	93	102511	20.0	20.6	
75 cis-1,3-Dichloropropene	75	9.265	9.265	0.000	96	213489	20.0	20.4	
76 4-Methyl-2-pentanone (MIBK)	43	9.441	9.441	0.000	97	471083	40.0	42.1	
$ 77 Toluene-d8 (Surr)	98	9.581	9.581	0.000	93	1277014	50.0	50.1	
78 Toluene	92	9.660	9.660	0.000	98	326166	20.0	20.4	
79 trans-1,3-Dichloropropene	75	9.922	9.922	0.000	93	198115	20.0	20.2	
80 Ethyl methacrylate	69	9.989	9.989	0.000	88	218622	20.0	20.2	
S 102 1,3-Dichloropropene, Total	100				0			40.7	
103 1,1,2-Trichloroethane	97	10.129	10.129	0.000	91	131183	20.0	20.2	
104 Tetrachloroethene	166	10.220	10.220	0.000	97	156774	20.0	21.0	
105 1,3-Dichloropropane	76	10.299	10.299	0.000	90	204222	20.0	20.7	
107 2-Hexanone	43	10.354	10.354	0.000	96	347606	40.0	42.3	
109 Chlorodibromomethane	129	10.512	10.512	0.000	89	150890	20.0	20.9	
110 Ethylene Dibromide	107	10.627	10.627	0.000	99	145697	20.0	20.3	
* 111 Chlorobenzene-d5 (IS)	117	11.065	11.065	0.000	84	993141	50.0	50.0	
112 1-Chlorohexane	91	11.078	11.078	0.000	96	192466	20.0	19.9	
113 Chlorobenzene	112	11.090	11.090	0.000	96	401183	20.0	20.7	
114 1,1,1,2-Tetrachloroethane	131	11.175	11.175	0.000	96	149489	20.0	20.6	
115 Ethylbenzene	91	11.181	11.181	0.000	98	674584	20.0	21.0	
S 116 Xylenes, Total	106				0			62.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
117 m-Xylene & p-Xylene	106	11.297	11.297	0.000	100	531315	40.0	41.4	
118 o-Xylene	106	11.631	11.631	0.000	96	272040	20.0	20.6	
119 Styrene	104	11.643	11.643	0.000	94	438591	20.0	20.8	
120 Bromoform	173	11.795	11.795	0.000	96	118573	20.0	20.3	
121 Isopropylbenzene	105	11.929	11.929	0.000	96	729068	20.0	21.2	
123 Cyclohexanone	55	12.002	12.002	0.000	92	317369	500.0	518.4	
$ 124 4-Bromofluorobenzene (Surr)	95	12.075	12.075	0.000	91	483432	50.0	49.8	
125 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	94	254738	20.0	21.0	
126 Bromobenzene	156	12.191	12.191	0.000	95	180686	20.0	20.7	
127 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	92	179855	50.0	52.8	
128 1,2,3-Trichloropropane	110	12.221	12.221	0.000	83	76468	20.0	21.1	
129 N-Propylbenzene	91	12.264	12.264	0.000	98	862856	20.0	21.7	
130 2-Chlorotoluene	126	12.337	12.337	0.000	97	184877	20.0	21.3	
131 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	634527	20.0	21.1	
132 4-Chlorotoluene	126	12.434	12.434	0.000	96	179304	20.0	20.7	
134 tert-Butylbenzene	134	12.641	12.641	0.000	92	122170	20.0	21.2	
136 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	97	670693	20.0	21.4	
137 sec-Butylbenzene	105	12.805	12.805	0.000	94	815235	20.0	21.5	
138 1,3-Dichlorobenzene	146	12.903	12.903	0.000	99	361913	20.0	20.9	
139 4-Isopropyltoluene	119	12.915	12.915	0.000	97	733434	20.0	21.5	
* 140 1,4-Dichlorobenzene-d4	152	12.963	12.963	0.000	93	574063	50.0	50.0	
141 1,4-Dichlorobenzene	146	12.976	12.976	0.000	95	351729	20.0	20.9	
142 1,2,3-Trimethylbenzene	105	12.988	12.988	0.000	98	680774	20.0	21.3	
143 Benzyl chloride	91	13.055	13.055	0.000	98	497531	20.0	21.2	
144 1,3-Diethylbenzene	119	13.116	13.116	0.000	96	438770	20.0	21.3	
145 p-Diethylbenzene	119	13.189	13.189	0.000	94	458442	20.0	21.1	
146 n-Butylbenzene	92	13.207	13.207	0.000	97	358011	20.0	21.2	
147 1,2-Dichlorobenzene	146	13.237	13.237	0.000	99	378956	20.0	21.1	
148 o-diethylbenzene	119	13.262	13.262	0.000	94	355362	20.0	21.0	
150 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	90	74003	20.0	20.5	
151 1,3,5-Trichlorobenzene	180	13.912	13.912	0.000	97	292051	20.0	21.1	
152 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	94	278751	20.0	20.9	
153 Hexachlorobutadiene	225	14.417	14.417	0.000	98	101235	20.0	20.5	
154 Naphthalene	128	14.515	14.515	0.000	97	992248	20.0	21.6	
155 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	96	283009	20.0	21.3	
156 2-Methylnaphthalene	142	15.269	15.269	0.000	92	576942	20.0	20.8	
S 180 Total Diethylbenzene	1				0			63.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00100	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00004	Amount Added:	16.00	Units: uL	
MSV_CCV_VOC#3_00100	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00096	Amount Added:	4.00	Units: uL	
MSV_CCV_ETOH_00003	Amount Added:	16.00	Units: uL	
MSV_CCV_GASES_00321	Amount Added:	2.00	Units: uL	
MSV_HP4_ISSS_00016	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Dec-2022 13:46:27 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X15.D

Injection Date: 05-Dec-2022 21:45:30 Instrument ID: 23297 Operator ID: kas02648

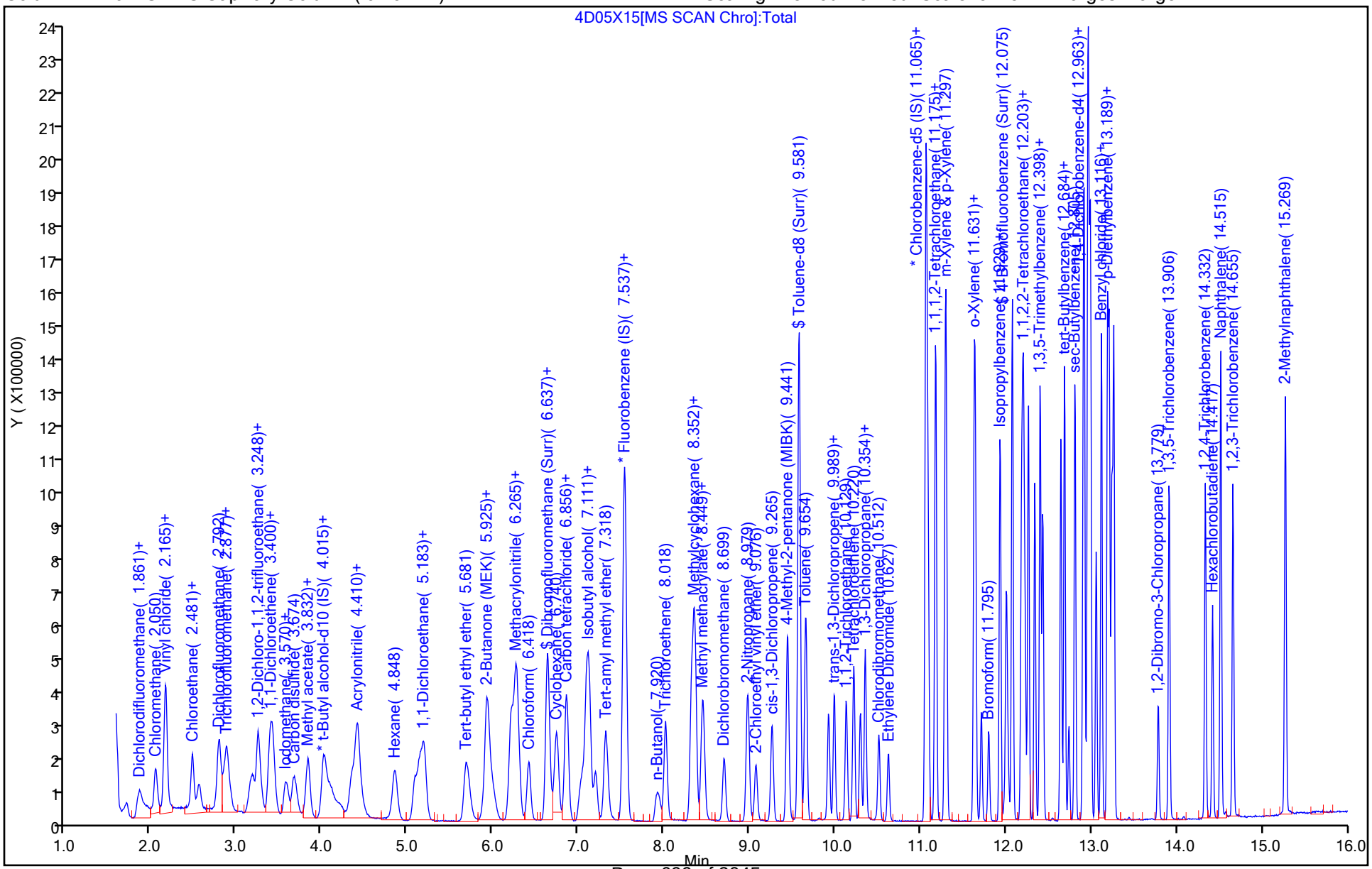
Lims ID: IC v20 Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

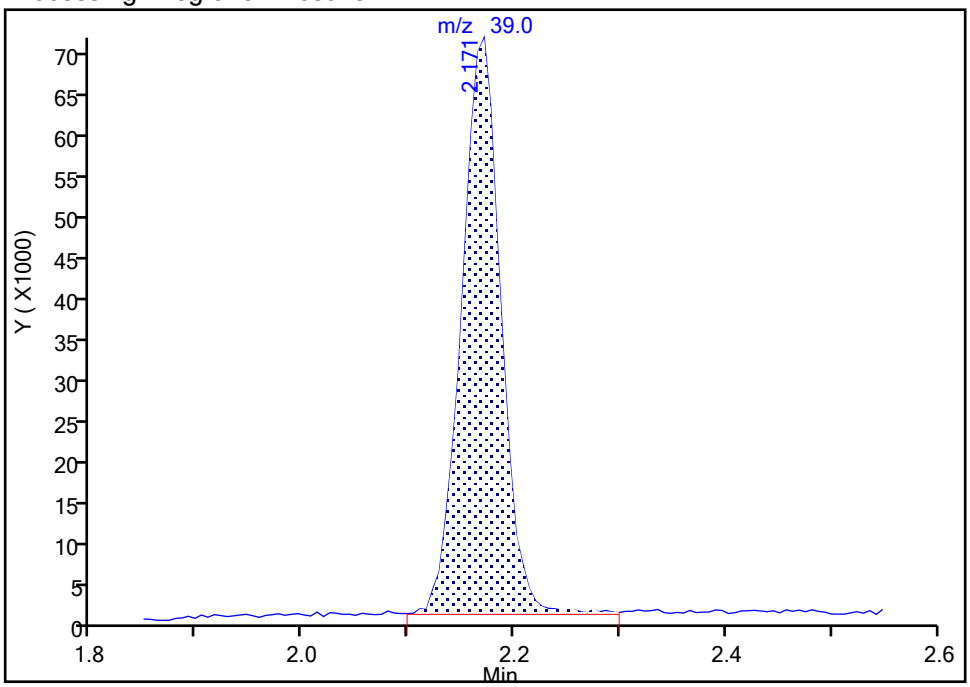
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X15.D
Injection Date: 05-Dec-2022 21:45:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

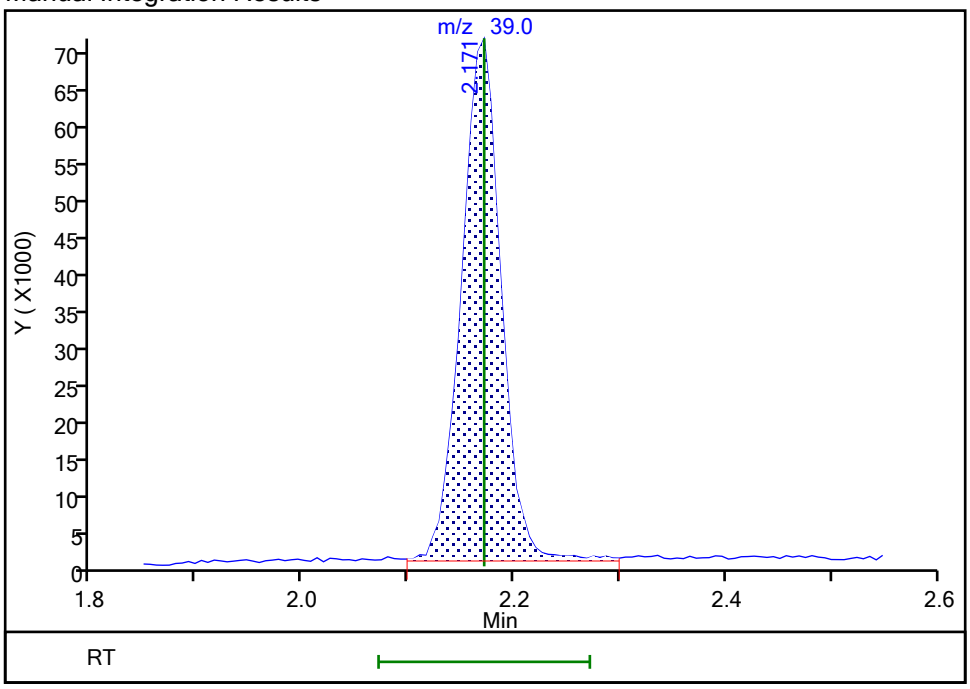
Processing Integration Results

RT: 2.17
Area: 181141
Amount: 18.078314
Amount Units: ug/l



Manual Integration Results

RT: 2.17
Area: 183666
Amount: 18.969169
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:40:25
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

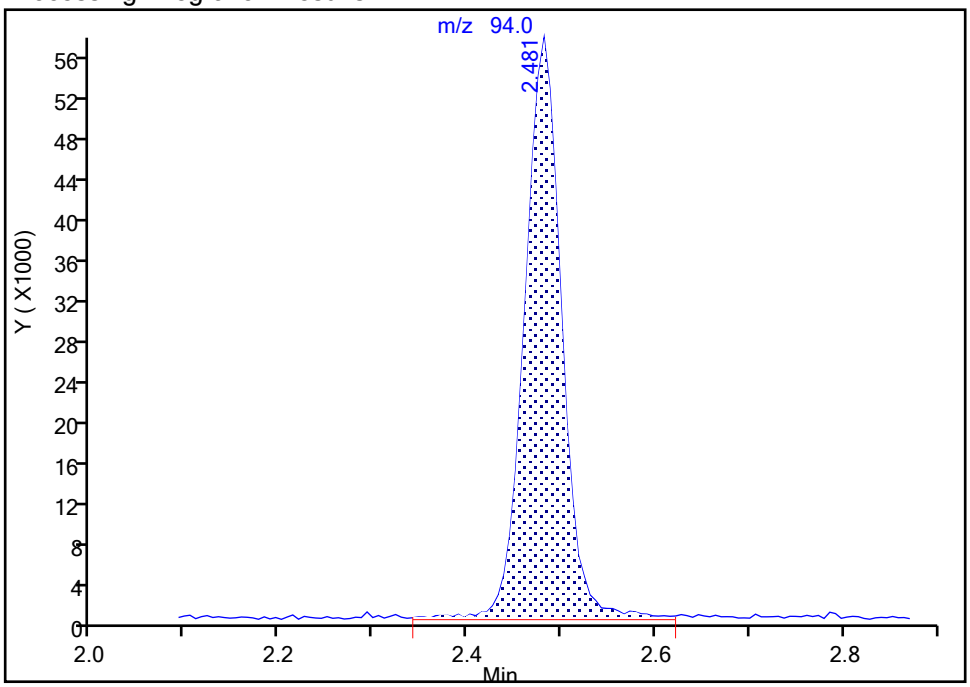
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X15.D
Injection Date: 05-Dec-2022 21:45:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

8 Bromomethane, CAS: 74-83-9

Signal: 1

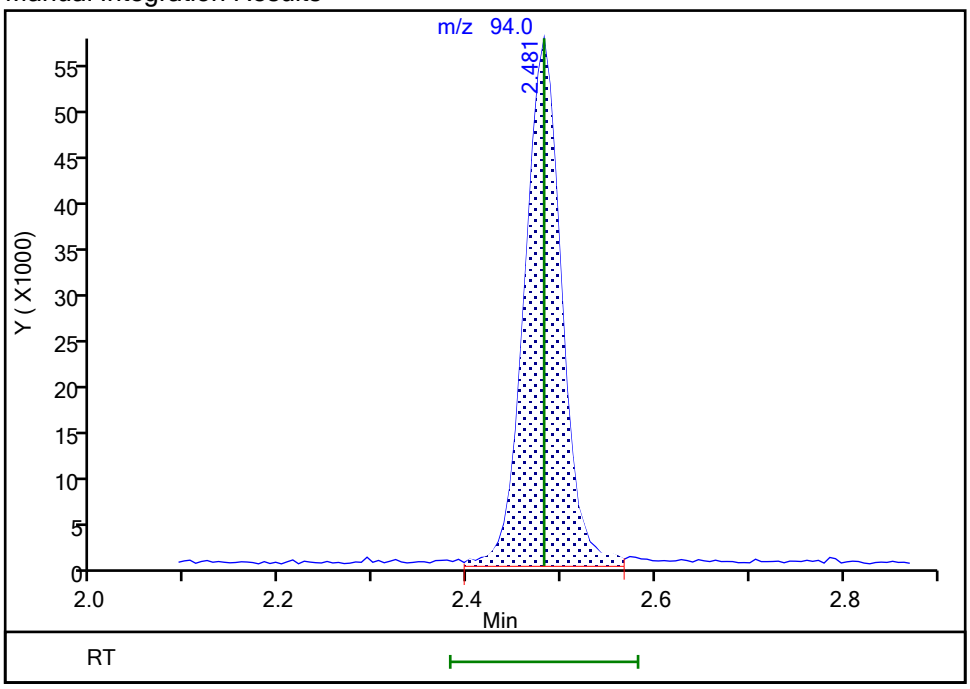
Processing Integration Results

RT: 2.48
Area: 158551
Amount: 20.740173
Amount Units: ug/l



Manual Integration Results

RT: 2.48
Area: 156787
Amount: 20.711833
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:41:17
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

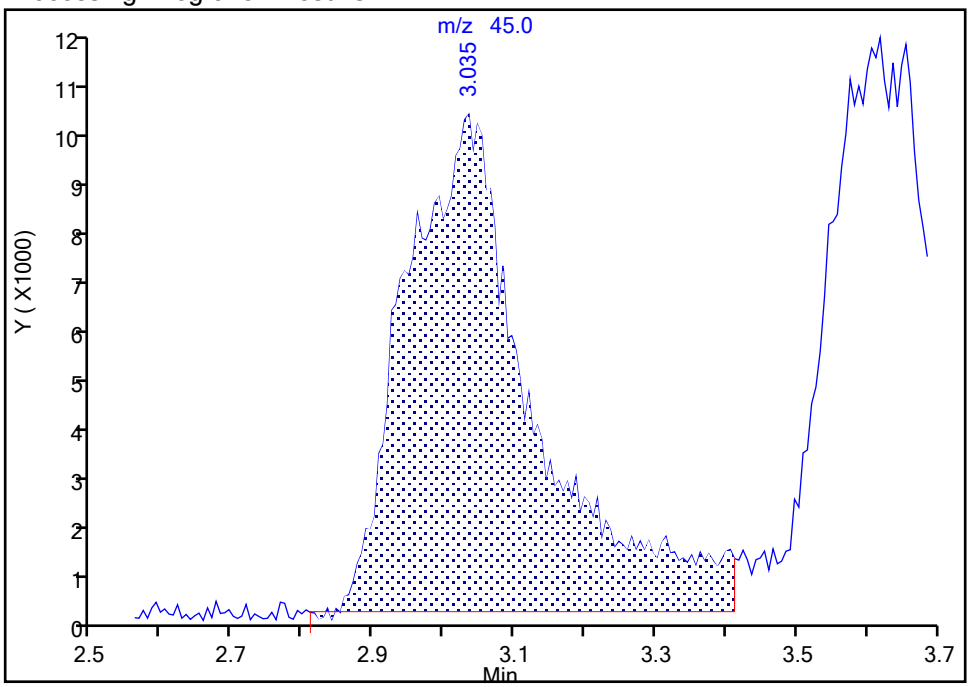
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X15.D
Injection Date: 05-Dec-2022 21:45:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

13 Ethanol, CAS: 64-17-5

Signal: 1

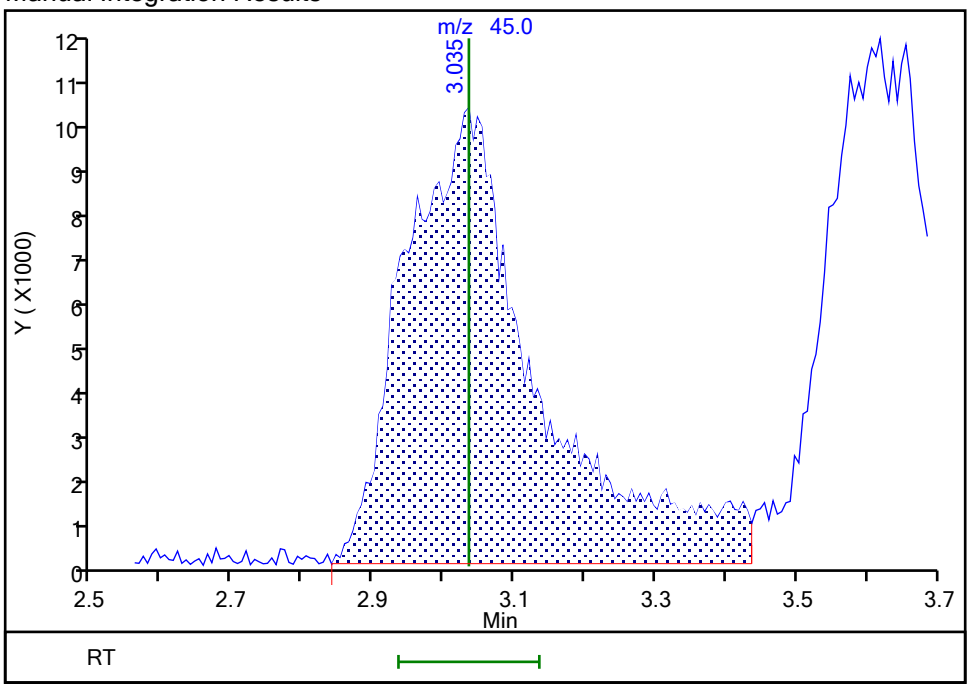
Processing Integration Results

RT: 3.04
Area: 120422
Amount: 966.6852
Amount Units: ug/l



Manual Integration Results

RT: 3.04
Area: 126780
Amount: 879.7860
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:41:49
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

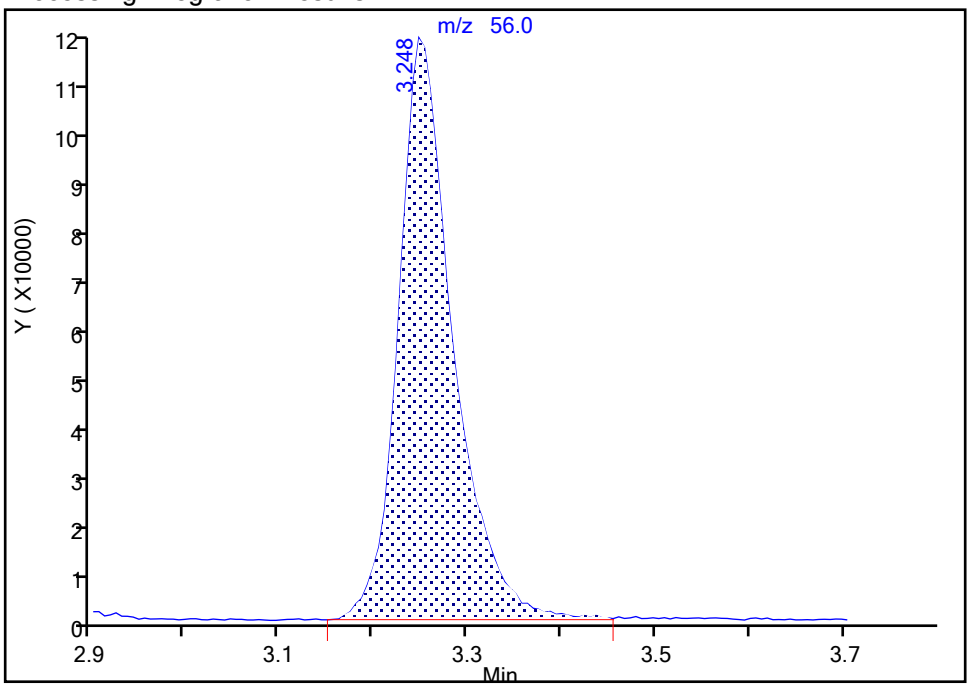
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X15.D
Injection Date: 05-Dec-2022 21:45:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Acrolein, CAS: 107-02-8

Signal: 1

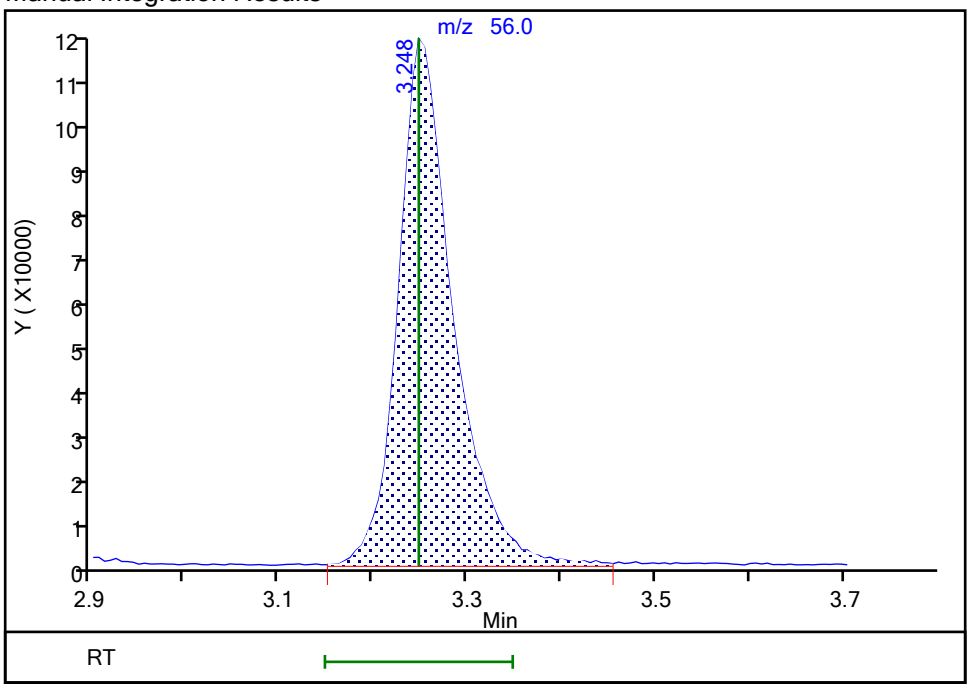
Processing Integration Results

RT: 3.25
Area: 463716
Amount: 194.7287
Amount Units: ug/l



Manual Integration Results

RT: 3.25
Area: 464322
Amount: 203.4694
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:42:13
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

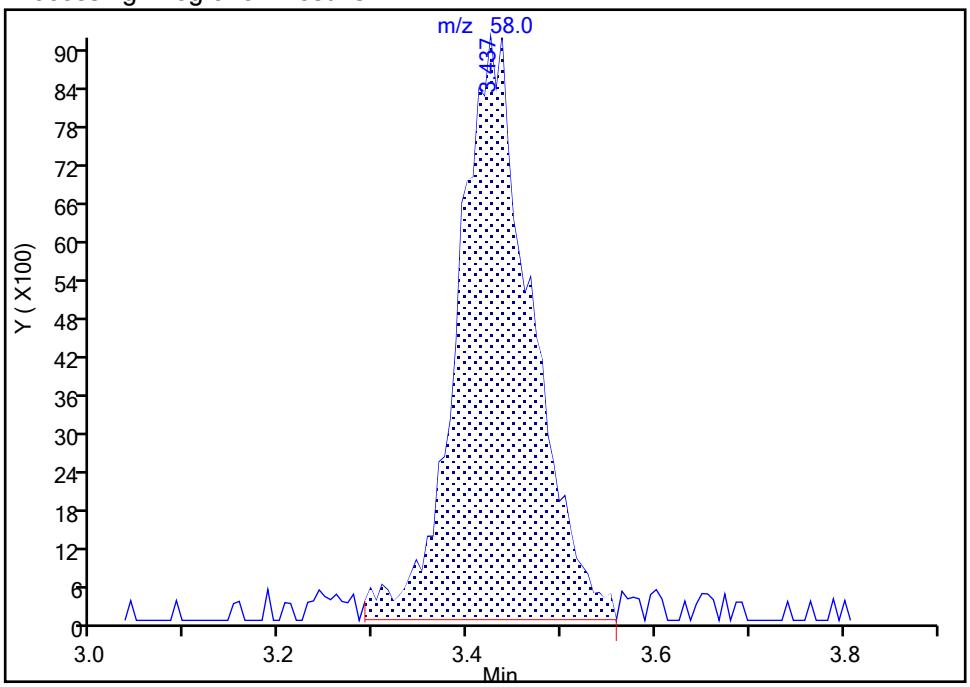
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X15.D
Injection Date: 05-Dec-2022 21:45:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

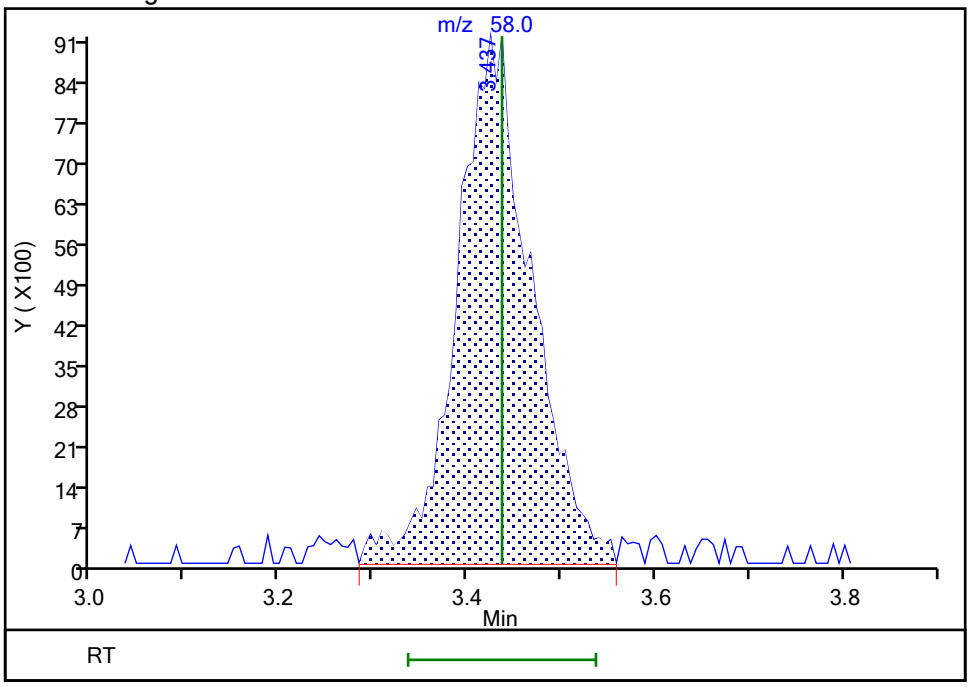
Processing Integration Results

RT: 3.44
Area: 50397
Amount: 41.375906
Amount Units: ug/l



Manual Integration Results

RT: 3.44
Area: 50397
Amount: 41.275401
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 12:43:47
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X16.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 05-Dec-2022 22:07:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0072549-016
Misc. Info.: LG 50
Operator ID: kas02648 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 06-Dec-2022 13:46:34 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: ULCP Date: 06-Dec-2022 06:10:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.867	1.867	0.000	99	665042	50.0	50.3	
4 Chloromethane	50	2.062	2.062	0.000	99	560762	50.0	49.0	
5 Vinyl chloride	62	2.165	2.165	0.000	98	567338	50.0	52.0	
6 Butadiene	39	2.177	2.177	0.000	94	480941	50.0	48.3	
8 Bromomethane	94	2.488	2.488	0.000	91	396560	50.0	51.0	
9 Chloroethane	64	2.567	2.567	0.000	99	281399	50.0	49.3	
10 Dichlorofluoromethane	67	2.798	2.798	0.000	97	720909	50.0	48.3	
11 Trichlorofluoromethane	101	2.859	2.859	0.000	98	751060	50.0	53.9	
12 Pentane	43	2.895	2.895	0.000	96	419957	50.0	45.4	
13 Ethanol	45	3.041	3.041	0.000	25	161753	1250.0	1088.2	M
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.181	3.181	0.000	91	388677	50.0	49.7	
16 Acrolein	56	3.260	3.260	0.000	99	1305947	500.0	554.8	
17 1,1-Dichloroethene	96	3.394	3.394	0.000	98	305472	50.0	47.6	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.425	3.425	0.000	91	351069	50.0	50.0	
18 Acetone	58	3.425	3.425	0.000	97	130893	100.0	103.9	
21 Iodomethane	142	3.583	3.583	0.000	98	603292	50.0	49.5	
20 Isopropyl alcohol	45	3.631	3.631	0.000	96	283680	250.0	218.8	M
22 Carbon disulfide	76	3.680	3.680	0.000	100	981029	50.0	49.5	
24 Methyl acetate	43	3.820	3.820	0.000	97	381012	50.0	48.5	
25 3-Chloro-1-propene	41	3.844	3.844	0.000	91	396644	50.0	47.8	
26 Methylene Chloride	84	4.027	4.027	0.000	90	342637	50.0	48.4	
* 27 t-Butyl alcohol-d10 (IS)	65	4.082	4.082	0.000	81	543239	250.0	250.0	
28 2-Methyl-2-propanol	59	4.203	4.203	0.000	99	479970	250.0	219.7	M
29 Acrylonitrile	53	4.349	4.349	0.000	98	536309	125.0	120.4	
30 Methyl tert-butyl ether	73	4.416	4.416	0.000	95	1022047	50.0	50.3	
31 trans-1,2-Dichloroethene	96	4.416	4.416	0.000	99	313547	50.0	48.0	
33 Hexane	57	4.860	4.860	0.000	93	397106	50.0	47.2	
34 1,1-Dichloroethane	63	5.085	5.085	0.000	96	523820	50.0	49.5	
36 Isopropyl ether	45	5.152	5.152	0.000	92	887778	50.0	49.1	
37 2-Chloro-1,3-butadiene	53	5.201	5.201	0.000	91	429949	50.0	48.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.694	5.694	0.000	98	944594	50.0	50.1	
39 2-Butanone (MEK)	43	5.913	5.913	0.000	99	653035	100.0	108.1	
40 cis-1,2-Dichloroethene	96	5.931	5.931	0.000	82	350217	50.0	49.0	
41 2,2-Dichloropropane	77	5.943	5.943	0.000	91	526219	50.0	47.6	
43 Propionitrile	54	5.998	5.998	0.000	99	463383	250.0	232.8	
45 Methacrylonitrile	67	6.217	6.217	0.000	91	556417	125.0	122.0	
46 Chlorobromomethane	128	6.266	6.266	0.000	89	200052	50.0	50.4	
47 Tetrahydrofuran	71	6.284	6.284	0.000	89	466869	250.0	241.0	
48 Chloroform	83	6.424	6.424	0.000	93	563056	50.0	49.1	
$ 49 Dibromofluoromethane (Surr)	113	6.637	6.637	0.000	93	345437	50.0	50.3	
50 1,1,1-Trichloroethane	97	6.649	6.649	0.000	98	534702	50.0	48.0	
51 Cyclohexane	56	6.752	6.752	0.000	90	551935	50.0	48.0	
52 Carbon tetrachloride	117	6.862	6.862	0.000	96	482594	50.0	50.0	
53 1,1-Dichloropropene	75	6.862	6.862	0.000	96	418456	50.0	49.3	
54 Isobutyl alcohol	41	7.038	7.038	0.000	94	387699	625.0	622.7	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.093	7.093	0.000	92	80808	50.0	51.5	
56 Benzene	78	7.129	7.129	0.000	96	1244631	50.0	49.2	
57 1,2-Dichloroethane	62	7.202	7.202	0.000	98	463510	50.0	49.8	
59 Tert-amyl methyl ether	73	7.318	7.318	0.000	98	964704	50.0	50.4	
* 60 Fluorobenzene (IS)	96	7.537	7.537	0.000	97	1319829	50.0	50.0	
61 n-Heptane	43	7.555	7.555	0.000	91	423614	50.0	49.0	
63 n-Butanol	56	7.926	7.926	0.000	90	317894	625.0	575.0	
64 Trichloroethene	95	8.018	8.018	0.000	97	345264	50.0	48.5	
65 Methylcyclohexane	83	8.322	8.322	0.000	90	615530	50.0	49.1	
66 1,2-Dichloropropane	63	8.358	8.358	0.000	84	325874	50.0	49.7	
67 2-ethoxy-2-methyl butane	87	8.364	8.364	0.000	92	454189	50.0	49.9	
69 1,4-Dioxane	88	8.462	8.462	0.000	35	97833	625.0	671.1	
68 Methyl methacrylate	69	8.444	8.444	0.000	93	335602	50.0	48.4	
70 Dibromomethane	93	8.468	8.468	0.000	96	246926	50.0	50.4	
72 Dichlorobromomethane	83	8.705	8.705	0.000	99	435777	50.0	48.9	
73 2-Nitropropane	41	8.979	8.979	0.000	99	869189	250.0	246.9	
74 2-Chloroethyl vinyl ether	63	9.076	9.076	0.000	92	265783	50.0	51.9	
75 cis-1,3-Dichloropropene	75	9.265	9.265	0.000	96	549839	50.0	51.2	
76 4-Methyl-2-pentanone (MIBK)	43	9.447	9.447	0.000	96	1313840	100.0	114.2	
$ 77 Toluene-d8 (Surr)	98	9.581	9.581	0.000	93	1340509	50.0	49.5	
78 Toluene	92	9.660	9.660	0.000	98	832286	50.0	49.1	
79 trans-1,3-Dichloropropene	75	9.928	9.928	0.000	93	516246	50.0	49.6	
80 Ethyl methacrylate	69	9.989	9.989	0.000	88	551160	50.0	47.9	
103 1,1,2-Trichloroethane	97	10.135	10.135	0.000	90	335785	50.0	48.6	
104 Tetrachloroethene	166	10.220	10.220	0.000	97	390994	50.0	49.4	
105 1,3-Dichloropropane	76	10.299	10.299	0.000	90	520718	50.0	49.7	
107 2-Hexanone	43	10.354	10.354	0.000	96	995963	100.0	114.1	
109 Chlorodibromomethane	129	10.512	10.512	0.000	90	392168	50.0	51.1	
110 Ethylene Dibromide	107	10.621	10.621	0.000	99	378366	50.0	49.8	
* 111 Chlorobenzene-d5 (IS)	117	11.066	11.066	0.000	84	1054596	50.0	50.0	
112 1-Chlorohexane	91	11.078	11.078	0.000	95	475542	50.0	46.4	
113 Chlorobenzene	112	11.090	11.090	0.000	96	1016493	50.0	49.3	
114 1,1,1,2-Tetrachloroethane	131	11.175	11.175	0.000	95	383117	50.0	49.8	
115 Ethylbenzene	91	11.181	11.181	0.000	98	1676284	50.0	49.1	
117 m-Xylene & p-Xylene	106	11.297	11.297	0.000	99	1342408	100.0	98.6	
118 o-Xylene	106	11.631	11.631	0.000	96	696144	50.0	49.7	
119 Styrene	104	11.643	11.643	0.000	94	1107428	50.0	49.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 Bromoform	173	11.796	11.796	0.000	97	315562	50.0	50.8	
121 Isopropylbenzene	105	11.929	11.929	0.000	96	1816476	50.0	49.6	
123 Cyclohexanone	55	12.002	12.002	0.000	92	389111	625.0	616.2	
$ 124 4-Bromofluorobenzene (Surr)	95	12.075	12.075	0.000	92	515301	50.0	50.0	
125 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	95	633392	50.0	48.2	
126 Bromobenzene	156	12.191	12.191	0.000	96	453794	50.0	48.1	
127 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	93	450976	125.0	122.3	
128 1,2,3-Trichloropropane	110	12.221	12.221	0.000	83	190898	50.0	48.7	
129 N-Propylbenzene	91	12.264	12.264	0.000	98	2116411	50.0	49.1	
130 2-Chlorotoluene	126	12.337	12.337	0.000	97	457017	50.0	48.6	
131 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	1590999	50.0	48.8	
132 4-Chlorotoluene	126	12.428	12.428	0.000	97	450259	50.0	48.0	
134 tert-Butylbenzene	134	12.641	12.641	0.000	94	309070	50.0	49.7	
136 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	97	1653588	50.0	48.7	
137 sec-Butylbenzene	105	12.805	12.805	0.000	94	2044632	50.0	49.9	
138 1,3-Dichlorobenzene	146	12.903	12.903	0.000	98	895616	50.0	47.8	
139 4-Isopropyltoluene	119	12.915	12.915	0.000	97	1828324	50.0	49.5	
* 140 1,4-Dichlorobenzene-d4	152	12.958	12.958	0.000	94	621360	50.0	50.0	
141 1,4-Dichlorobenzene	146	12.976	12.976	0.000	95	864798	50.0	47.4	
142 1,2,3-Trimethylbenzene	105	12.988	12.988	0.000	98	1696898	50.0	49.0	
143 Benzyl chloride	91	13.055	13.055	0.000	98	1253027	50.0	49.4	
144 1,3-Diethylbenzene	119	13.116	13.116	0.000	95	1098776	50.0	49.3	
145 p-Diethylbenzene	119	13.189	13.189	0.000	94	1147711	50.0	48.8	
146 n-Butylbenzene	92	13.207	13.207	0.000	97	890788	50.0	48.6	
147 1,2-Dichlorobenzene	146	13.237	13.237	0.000	99	934311	50.0	48.0	
148 o-diethylbenzene	119	13.262	13.262	0.000	94	901242	50.0	49.1	
150 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	89	187575	50.0	48.0	
151 1,3,5-Trichlorobenzene	180	13.907	13.907	0.000	98	728811	50.0	48.7	
152 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	95	690326	50.0	47.9	
153 Hexachlorobutadiene	225	14.418	14.418	0.000	98	267051	50.0	50.0	
154 Naphthalene	128	14.515	14.515	0.000	97	2419541	50.0	48.6	
155 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	96	681258	50.0	47.3	
156 2-Methylnaphthalene	142	15.269	15.269	0.000	92	1463136	50.0	48.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00100	Amount Added: 5.00	Units: uL	
MSV_CCV_CYC_00004	Amount Added: 10.00	Units: uL	
MSV_CCV_VOC#3_00100	Amount Added: 4.00	Units: uL	
MSV_CCV_2CEVE_00096	Amount Added: 5.00	Units: uL	
MSV_CCV_ETOH_00003	Amount Added: 10.00	Units: uL	
MSV_CCV_GASES_00321	Amount Added: 2.50	Units: uL	
MSV_HP4_ISSS_00016	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Dec-2022 13:46:35 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X16.D

Injection Date: 05-Dec-2022 22:07:30 Instrument ID: 23297 Operator ID: kas02648

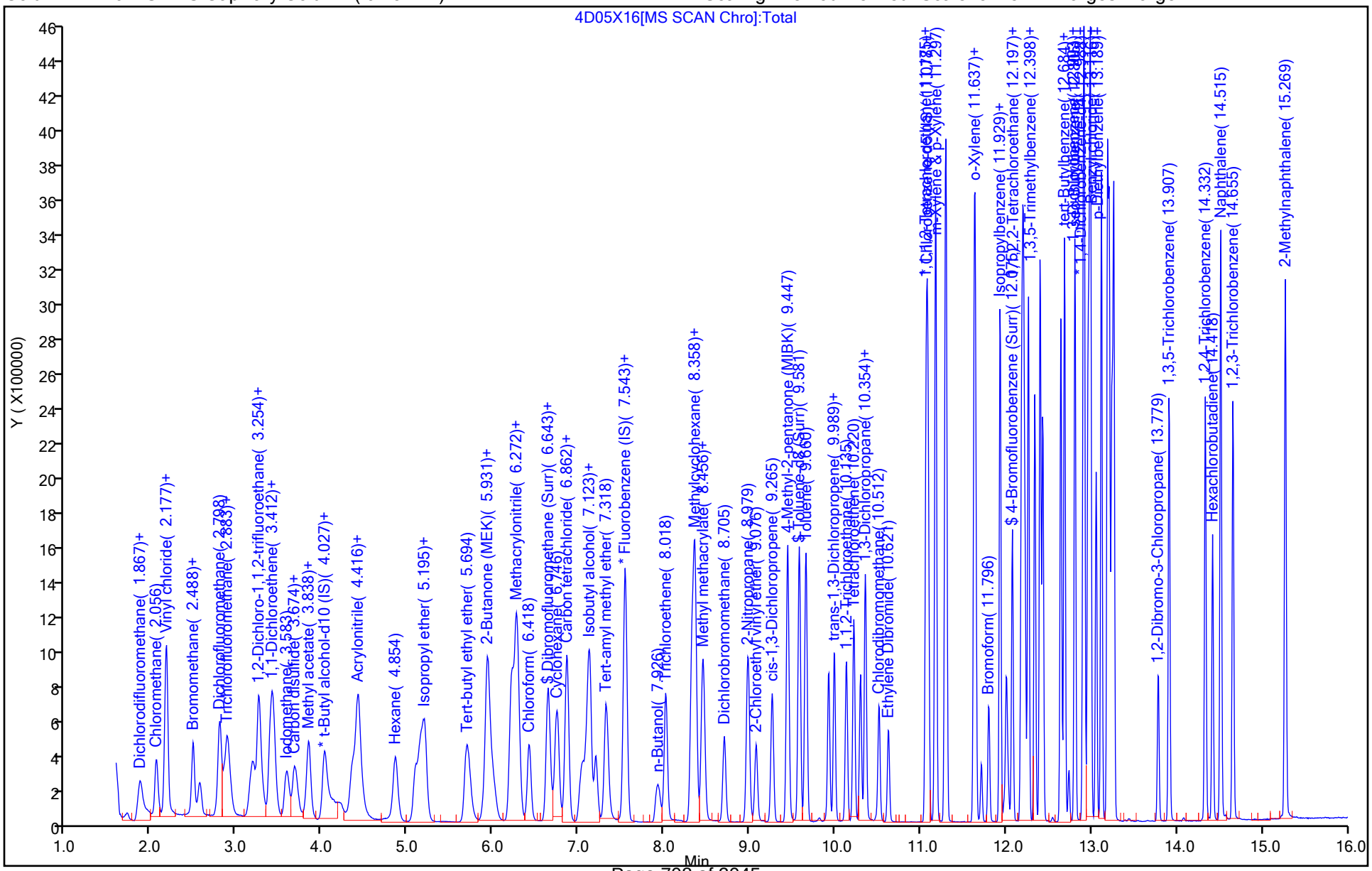
Lims ID: ICIS v50 Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

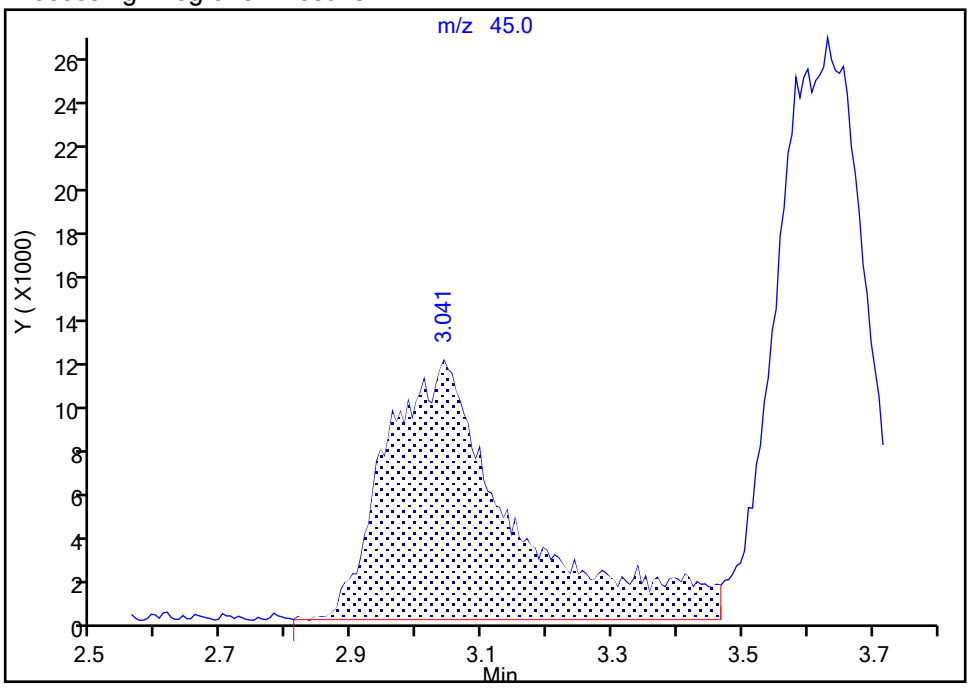
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X16.D				
Injection Date:	05-Dec-2022 22:07:30	Instrument ID:	23297		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

13 Ethanol, CAS: 64-17-5

Signal: 1

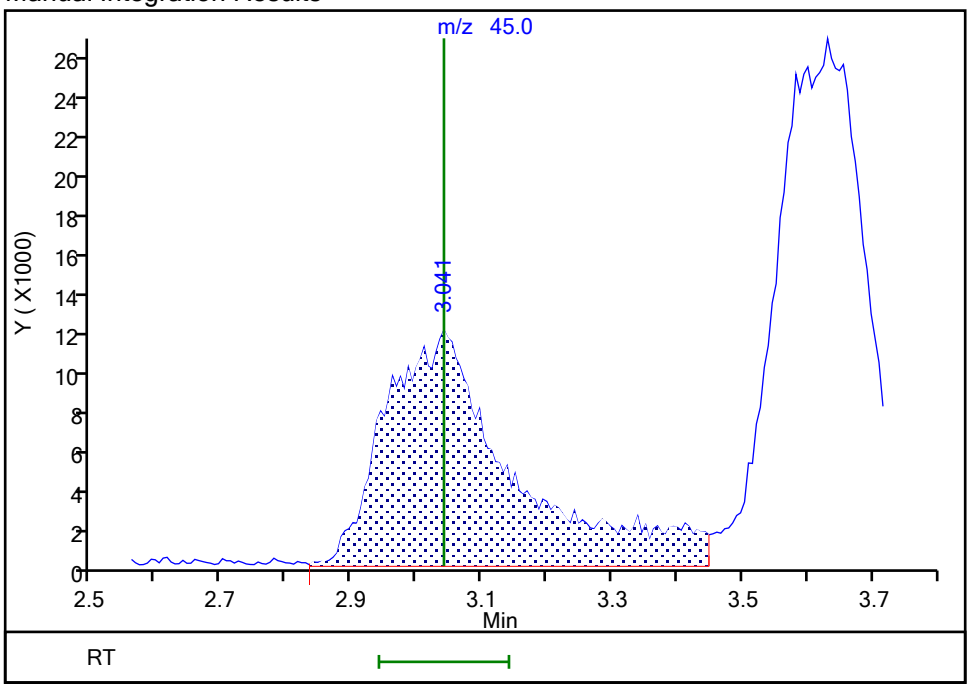
Processing Integration Results

RT: 3.04
Area: 161492
Amount: 1250.2122
Amount Units: ug/l



Manual Integration Results

RT: 3.04
Area: 161753
Amount: 1088.2337
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:44:40
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

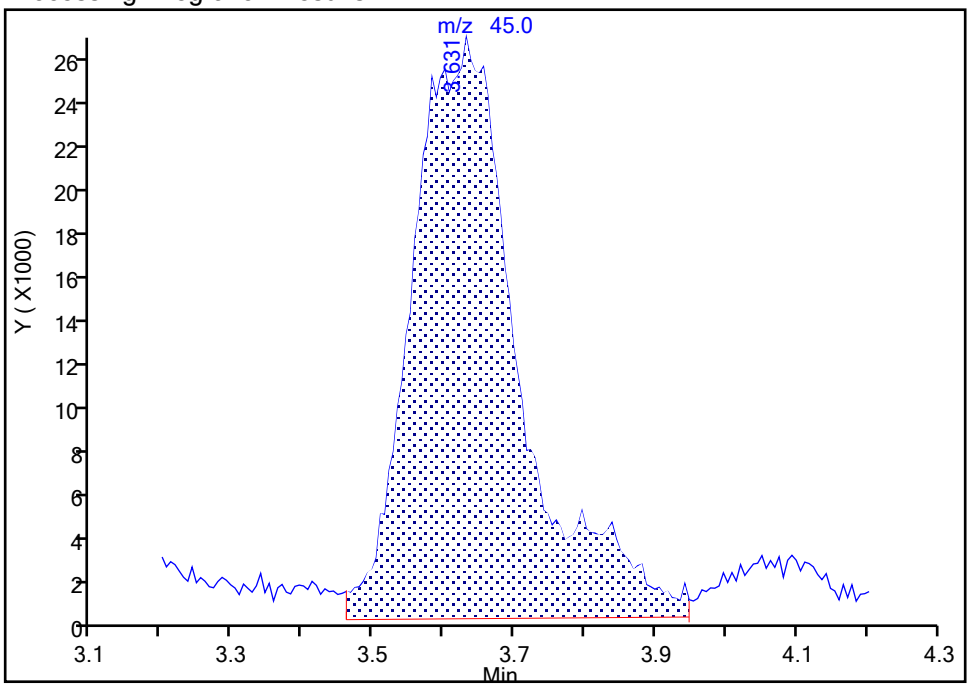
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X16.D				
Injection Date:	05-Dec-2022 22:07:30	Instrument ID:	23297		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

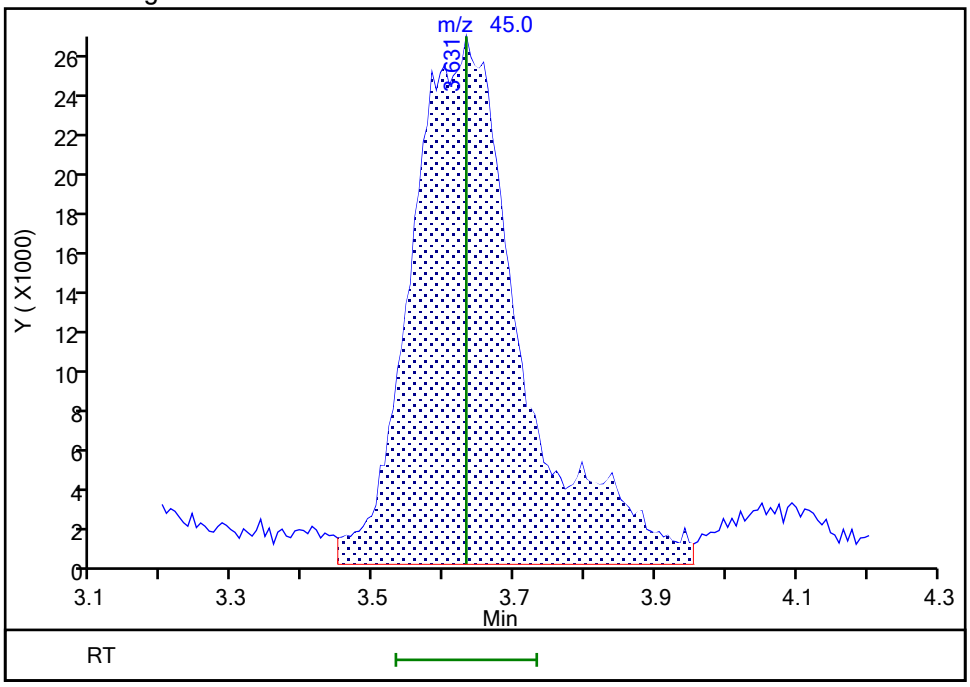
Processing Integration Results

RT: 3.63
Area: 277323
Amount: 206.9541
Amount Units: ug/l



Manual Integration Results

RT: 3.63
Area: 283680
Amount: 218.7673
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:45:41

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

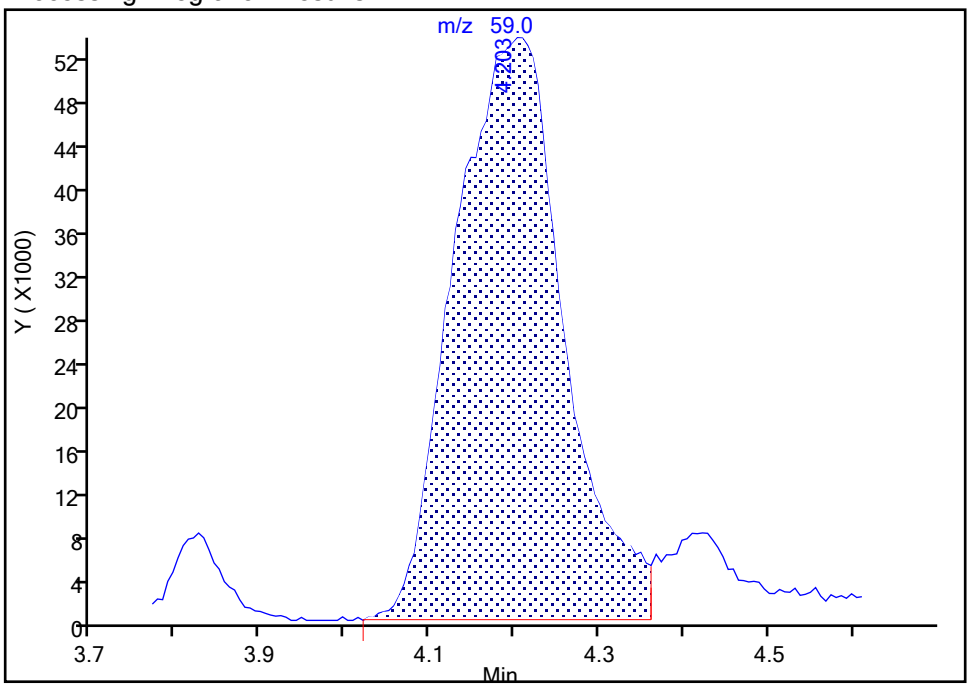
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X16.D
Injection Date: 05-Dec-2022 22:07:30 Instrument ID: 23297
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

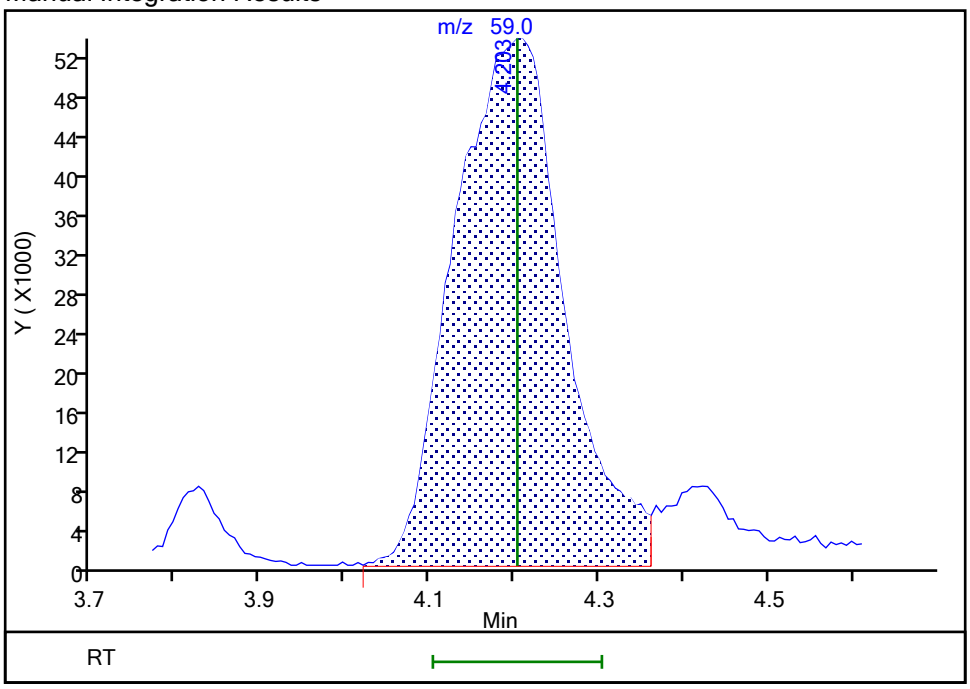
Processing Integration Results

RT: 4.20
Area: 479970
Amount: 210.4142
Amount Units: ug/l



Manual Integration Results

RT: 4.20
Area: 479970
Amount: 219.7153
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:58:30
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X17.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-Dec-2022 22:29:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0072549-017
Misc. Info.: LG 100
Operator ID: kas02648 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 06-Dec-2022 13:46:42 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: ULCP Date: 06-Dec-2022 10:55:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.861	1.867	-0.006	99	1245928	100.0	95.5	
4 Chloromethane	50	2.050	2.062	-0.012	99	1073439	100.0	95.1	
5 Vinyl chloride	62	2.159	2.165	-0.006	98	1090193	100.0	101.3	
6 Butadiene	39	2.171	2.177	-0.006	94	900153	100.0	91.7	
8 Bromomethane	94	2.482	2.488	-0.006	91	768783	100.0	100.2	
9 Chloroethane	64	2.561	2.567	-0.006	100	532238	100.0	94.6	
10 Dichlorofluoromethane	67	2.792	2.798	-0.006	97	1383334	100.0	94.0	
11 Trichlorofluoromethane	101	2.853	2.859	-0.006	98	1431859	100.0	104.2	
12 Pentane	43	2.889	2.895	-0.006	96	861742	100.0	94.4	
13 Ethanol	45	3.059	3.041	0.018	93	350354	2500.1	2386.6	M
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.175	3.181	-0.006	90	756022	100.0	98.1	
16 Acrolein	56	3.248	3.260	-0.012	99	1754198	1000.0	754.6	
17 1,1-Dichloroethene	96	3.388	3.394	-0.006	98	597324	100.0	94.5	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.418	3.425	-0.007	92	700292	100.0	101.1	
18 Acetone	58	3.425	3.425	-0.001	99	192964	200.0	155.1	M
21 Iodomethane	142	3.577	3.583	-0.006	99	1188956	100.0	99.0	
20 Isopropyl alcohol	45	3.637	3.631	0.006	100	597732	500.0	466.7	M
22 Carbon disulfide	76	3.674	3.680	-0.006	99	1939679	100.0	99.3	
24 Methyl acetate	43	3.808	3.820	-0.012	97	773192	100.0	99.9	
25 3-Chloro-1-propene	41	3.832	3.844	-0.012	90	762318	100.0	93.2	
26 Methylene Chloride	84	4.015	4.027	-0.012	90	674314	100.0	96.5	
* 27 t-Butyl alcohol-d10 (IS)	65	4.100	4.082	0.018	80	536532	250.0	250.0	
28 2-Methyl-2-propanol	59	4.221	4.203	0.018	99	1051851	500.0	487.5	
29 Acrylonitrile	53	4.337	4.349	-0.012	99	1083978	250.0	246.8	
30 Methyl tert-butyl ether	73	4.404	4.416	-0.012	95	2014624	100.0	100.6	
31 trans-1,2-Dichloroethene	96	4.410	4.416	-0.006	99	606002	100.0	94.0	
33 Hexane	57	4.848	4.860	-0.012	94	782859	100.0	94.3	
34 1,1-Dichloroethane	63	5.079	5.085	-0.006	96	1017704	100.0	97.5	
36 Isopropyl ether	45	5.146	5.152	-0.006	92	1773131	100.0	99.4	
37 2-Chloro-1,3-butadiene	53	5.195	5.201	-0.006	91	833982	100.0	95.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.694	5.694	0.000	97	1872460	100.0	100.6	
39 2-Butanone (MEK)	43	5.913	5.913	0.000	99	915104	200.0	153.7	
40 cis-1,2-Dichloroethene	96	5.925	5.931	-0.006	81	684823	100.0	97.1	
41 2,2-Dichloropropane	77	5.949	5.943	0.006	88	1047903	100.0	96.1	
43 Propionitrile	54	5.998	5.998	0.000	99	1008827	500.0	513.1	
S 44 1,2-Dichloroethene, Total	100				0			191.1	
45 Methacrylonitrile	67	6.217	6.217	0.000	92	1114306	250.0	247.8	
46 Chlorobromomethane	128	6.266	6.266	0.000	89	385420	100.0	98.5	
47 Tetrahydrofuran	71	6.284	6.284	0.000	87	945294	500.0	494.1	
48 Chloroform	83	6.412	6.424	-0.012	93	1094166	100.0	96.7	
$ 49 Dibromofluoromethane (Surr)	113	6.631	6.637	-0.006	94	337285	50.0	49.8	
50 1,1,1-Trichloroethane	97	6.643	6.649	-0.006	98	1065189	100.0	96.9	
51 Cyclohexane	56	6.746	6.752	-0.006	90	1093177	100.0	96.5	
52 Carbon tetrachloride	117	6.856	6.862	-0.006	96	955353	100.0	100.4	
53 1,1-Dichloropropene	75	6.862	6.862	0.000	96	824170	100.0	98.5	
54 Isobutyl alcohol	41	7.044	7.038	0.006	94	818170	1250.0	1330.4	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.093	7.093	0.000	81	75700	50.0	49.0	
56 Benzene	78	7.123	7.129	-0.006	96	2473930	100.0	99.2	
57 1,2-Dichloroethane	62	7.196	7.202	-0.006	98	907361	100.0	98.8	
59 Tert-amyl methyl ether	73	7.324	7.318	0.006	98	1915032	100.0	101.6	
* 60 Fluorobenzene (IS)	96	7.537	7.537	0.000	99	1301123	50.0	50.0	
61 n-Heptane	43	7.549	7.555	-0.006	94	826601	100.0	97.0	
63 n-Butanol	56	7.932	7.926	0.006	89	682732	1250.0	1250.4	
64 Trichloroethene	95	8.018	8.018	0.000	97	683824	100.0	97.5	
65 Methylcyclohexane	83	8.322	8.322	0.000	91	1230191	100.0	99.5	
66 1,2-Dichloropropane	63	8.352	8.358	-0.006	85	654866	100.0	101.3	
67 2-ethoxy-2-methyl butane	87	8.364	8.364	0.000	93	896805	100.0	100.0	
68 Methyl methacrylate	69	8.443	8.444	-0.001	89	676685	100.0	99.0	
69 1,4-Dioxane	88	8.443	8.462	-0.019	32	198482	1250.0	1378.6	
70 Dibromomethane	93	8.462	8.468	-0.006	96	487628	100.0	100.9	
72 Dichlorobromomethane	83	8.705	8.705	0.000	99	879785	100.0	100.1	
73 2-Nitropropane	41	8.979	8.979	0.000	98	1793472	500.0	515.8	
74 2-Chloroethyl vinyl ether	63	9.076	9.076	0.000	92	538836	100.0	106.8	
75 cis-1,3-Dichloropropene	75	9.265	9.265	0.000	96	1099488	100.0	103.8	
76 4-Methyl-2-pentanone (MIBK)	43	9.447	9.447	0.000	96	1796533	200.0	158.4	
$ 77 Toluene-d8 (Surr)	98	9.581	9.581	0.000	93	1313627	50.0	49.6	
78 Toluene	92	9.660	9.660	0.000	98	1641781	100.0	99.0	
79 trans-1,3-Dichloropropene	75	9.928	9.928	0.000	93	1071934	100.0	105.3	
80 Ethyl methacrylate	69	9.989	9.989	0.000	88	1107865	100.0	98.4	
S 102 1,3-Dichloropropene, Total	100				0			209.1	
103 1,1,2-Trichloroethane	97	10.135	10.135	0.000	90	673086	100.0	99.6	
104 Tetrachloroethene	166	10.220	10.220	0.000	97	774360	100.0	100.0	
105 1,3-Dichloropropane	76	10.299	10.299	0.000	91	1039913	100.0	101.3	
107 2-Hexanone	43	10.354	10.354	0.000	96	1348924	200.0	157.9	
109 Chlorodibromomethane	129	10.512	10.512	0.000	90	800263	100.0	106.6	
110 Ethylene Dibromide	107	10.621	10.621	0.000	99	766347	100.0	103.0	
* 111 Chlorobenzene-d5 (IS)	117	11.065	11.066	-0.001	84	1031956	50.0	50.0	
112 1-Chlorohexane	91	11.078	11.078	0.000	96	928414	100.0	92.6	
113 Chlorobenzene	112	11.090	11.090	0.000	97	2009560	100.0	99.6	
114 1,1,1,2-Tetrachloroethane	131	11.175	11.175	0.000	96	779365	100.0	103.6	
115 Ethylbenzene	91	11.181	11.181	0.000	98	3271447	100.0	97.9	
S 116 Xylenes, Total	106				0			297.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
117 m-Xylene & p-Xylene	106	11.297	11.297	0.000	99	2629972	200.0	197.4	
118 o-Xylene	106	11.625	11.631	-0.006	96	1372005	100.0	100.2	
119 Styrene	104	11.643	11.643	0.000	94	2211047	100.0	100.8	
120 Bromoform	173	11.802	11.796	0.006	96	647663	100.0	106.6	
121 Isopropylbenzene	105	11.929	11.929	0.000	96	3583626	100.0	100.1	
123 Cyclohexanone	55	12.002	12.002	0.000	92	795072	1250.1	1274.9	
$ 124 4-Bromofluorobenzene (Surr)	95	12.075	12.075	0.000	91	495088	50.0	49.1	
125 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	94	1254733	100.0	101.8	
126 Bromobenzene	156	12.191	12.191	0.000	96	905410	100.0	102.4	
127 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	92	902312	250.0	260.9	
128 1,2,3-Trichloropropane	110	12.221	12.221	0.000	83	374222	100.0	101.8	
129 N-Propylbenzene	91	12.264	12.264	0.000	98	4103150	100.0	101.5	
130 2-Chlorotoluene	126	12.337	12.337	0.000	97	911878	100.0	103.5	
131 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	3158285	100.0	103.4	
132 4-Chlorotoluene	126	12.434	12.428	0.006	96	892789	100.0	101.5	
134 tert-Butylbenzene	134	12.641	12.641	0.000	93	627395	100.0	107.5	
136 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	97	3259035	100.0	102.4	
137 sec-Butylbenzene	105	12.805	12.805	0.000	94	3976652	100.0	103.5	
138 1,3-Dichlorobenzene	146	12.903	12.903	0.000	98	1762893	100.0	100.4	
139 4-Isopropyltoluene	119	12.915	12.915	0.000	97	3608406	100.0	104.3	
* 140 1,4-Dichlorobenzene-d4	152	12.964	12.958	0.006	93	582472	50.0	50.0	
141 1,4-Dichlorobenzene	146	12.976	12.976	0.000	95	1708577	100.0	100.0	
142 1,2,3-Trimethylbenzene	105	12.988	12.988	0.000	98	3380225	100.0	104.2	
143 Benzyl chloride	91	13.055	13.055	0.000	98	2486760	100.0	104.7	
144 1,3-Diethylbenzene	119	13.116	13.116	0.000	95	2169203	100.0	103.9	
145 p-Diethylbenzene	119	13.189	13.189	0.000	94	2242112	100.0	101.8	
146 n-Butylbenzene	92	13.207	13.207	0.000	97	1740522	100.0	101.4	
147 1,2-Dichlorobenzene	146	13.237	13.237	0.000	99	1840939	100.0	101.0	
148 o-diethylbenzene	119	13.262	13.262	0.000	94	1807128	100.0	105.0	
150 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	89	378801	100.0	103.5	
151 1,3,5-Trichlorobenzene	180	13.913	13.907	0.006	98	1436698	100.0	102.4	
152 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	94	1383089	100.0	102.4	
153 Hexachlorobutadiene	225	14.418	14.418	0.000	98	526053	100.0	105.0	
154 Naphthalene	128	14.515	14.515	0.000	97	4767281	100.0	102.2	
155 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	96	1379776	100.0	102.2	
156 2-Methylnaphthalene	142	15.269	15.269	0.000	92	2975903	100.0	105.8	
S 180 Total Diethylbenzene	1				0			310.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00100	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00004	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00100	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00096	Amount Added:	5.00	Units: uL	
MSV_CCV_ETOH_00003	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_00321	Amount Added:	2.50	Units: uL	
MSV_HP4_ISSS_00016	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Dec-2022 13:46:43 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X17.D

Injection Date: 05-Dec-2022 22:29:30 Instrument ID: 23297 Operator ID: kas02648

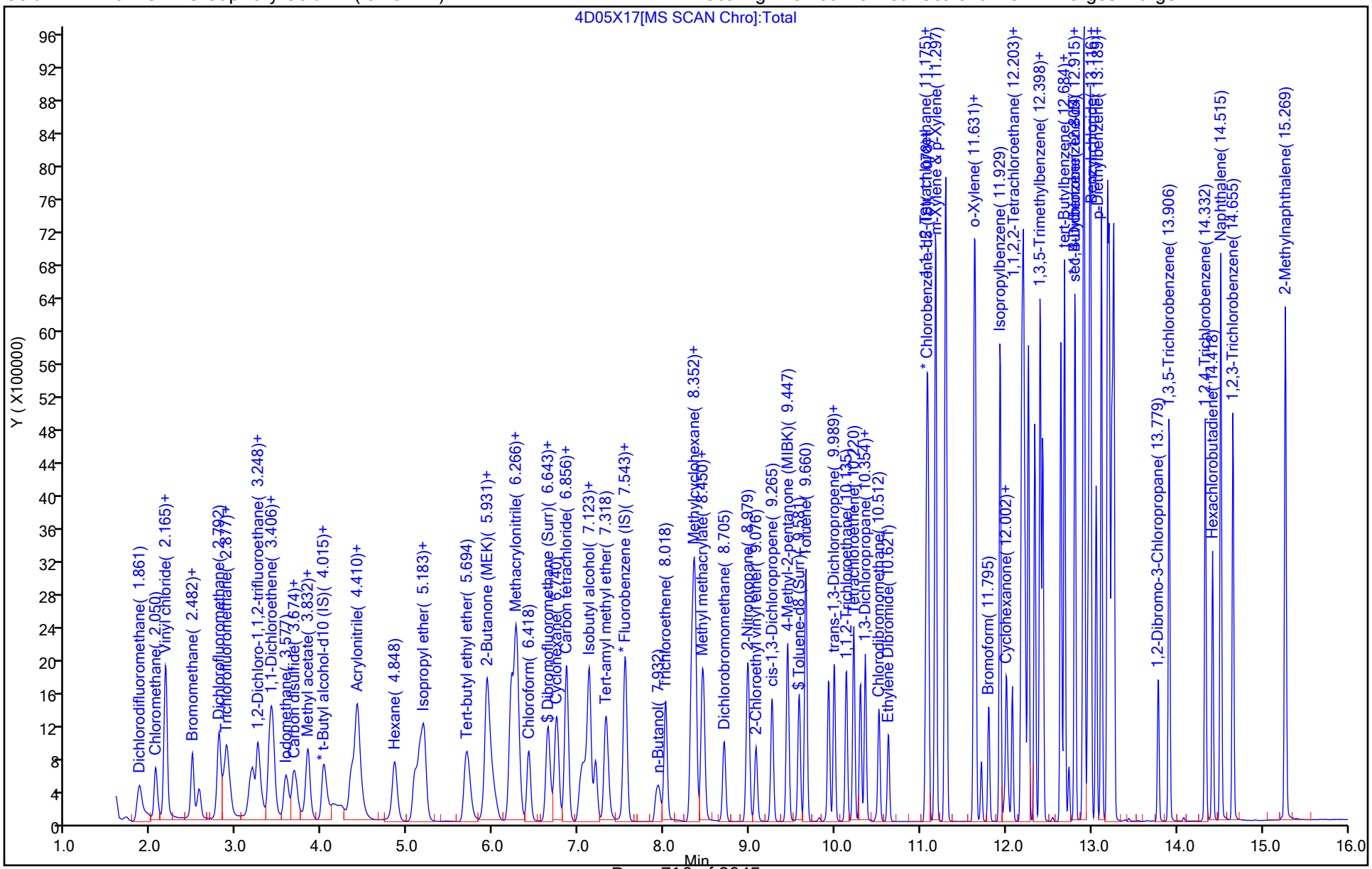
Lims ID: IC v100 Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 17

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

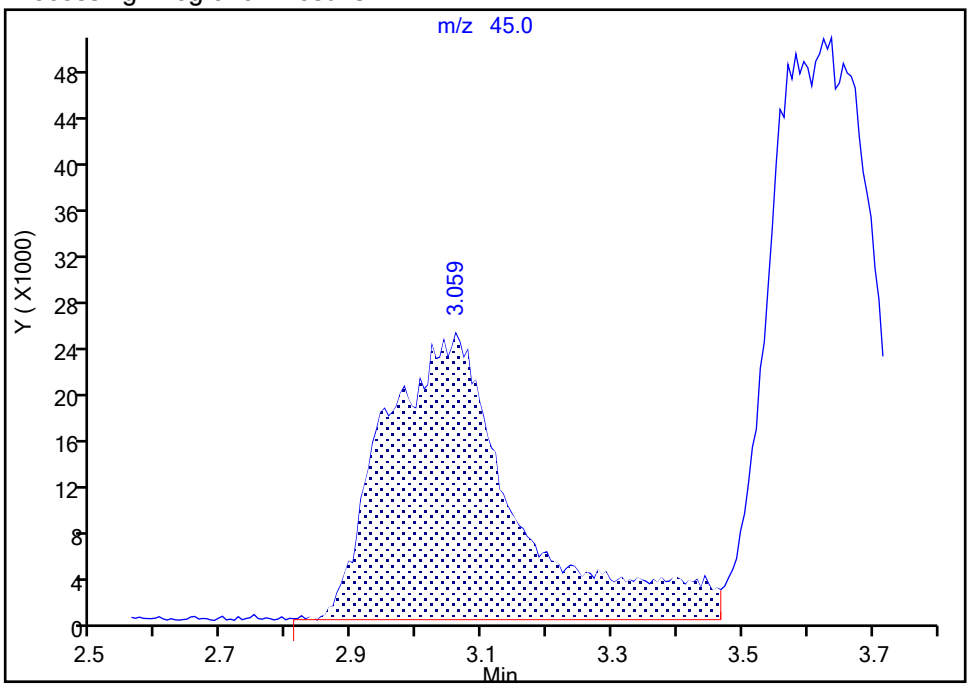
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X17.D
Injection Date: 05-Dec-2022 22:29:30 Instrument ID: 23297
Lims ID: IC v100
Client ID:
Operator ID: kas02648 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

13 Ethanol, CAS: 64-17-5

Signal: 1

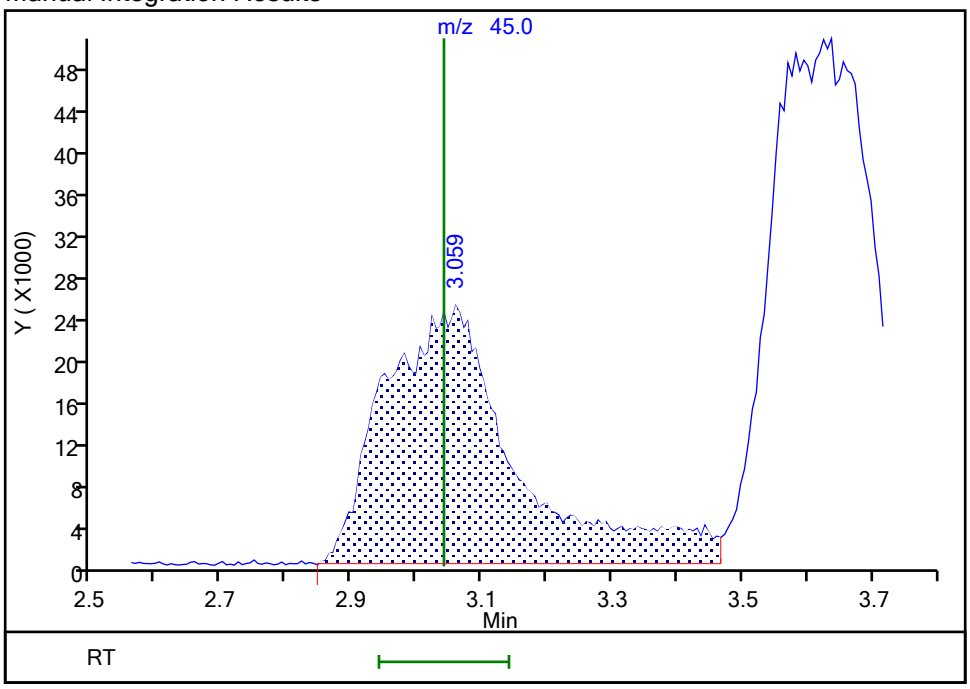
Processing Integration Results

RT: 3.06
Area: 346059
Amount: 2332.0235
Amount Units: ug/l



Manual Integration Results

RT: 3.06
Area: 350354
Amount: 2386.5592
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:55:32
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

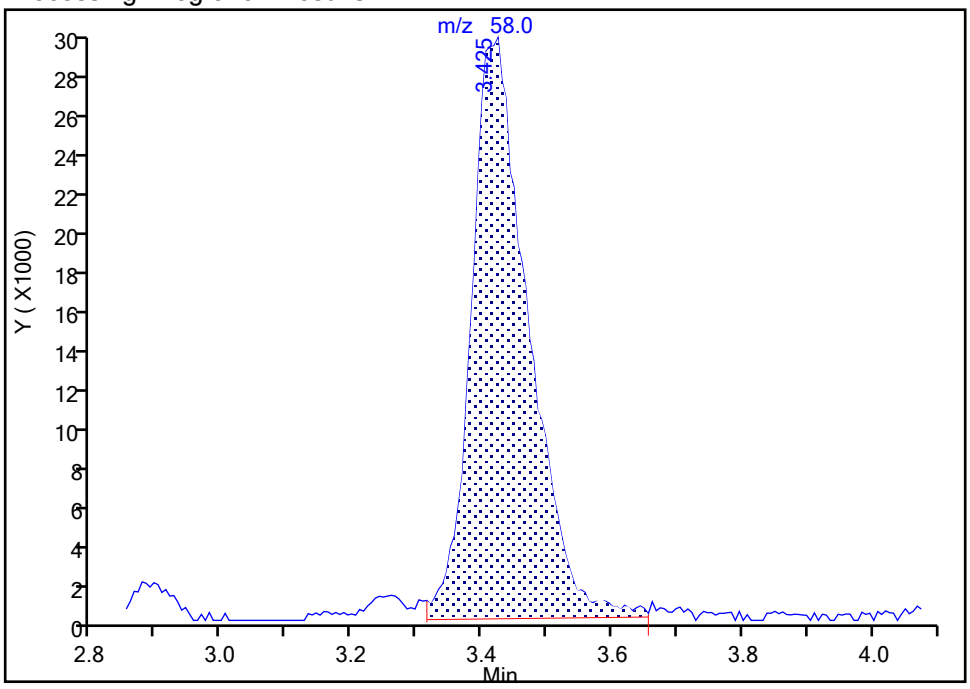
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X17.D
Injection Date: 05-Dec-2022 22:29:30 Instrument ID: 23297
Lims ID: IC v100
Client ID:
Operator ID: kas02648 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

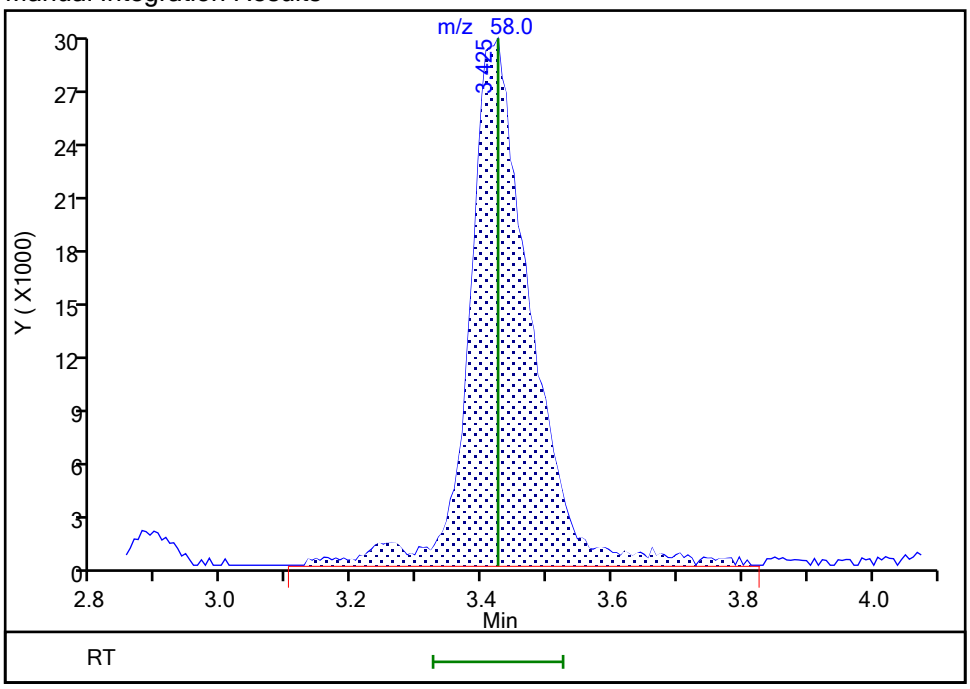
Processing Integration Results

RT: 3.42
Area: 178786
Amount: 144.9137
Amount Units: ug/l



Manual Integration Results

RT: 3.42
Area: 192964
Amount: 155.1321
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 12:44:24
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

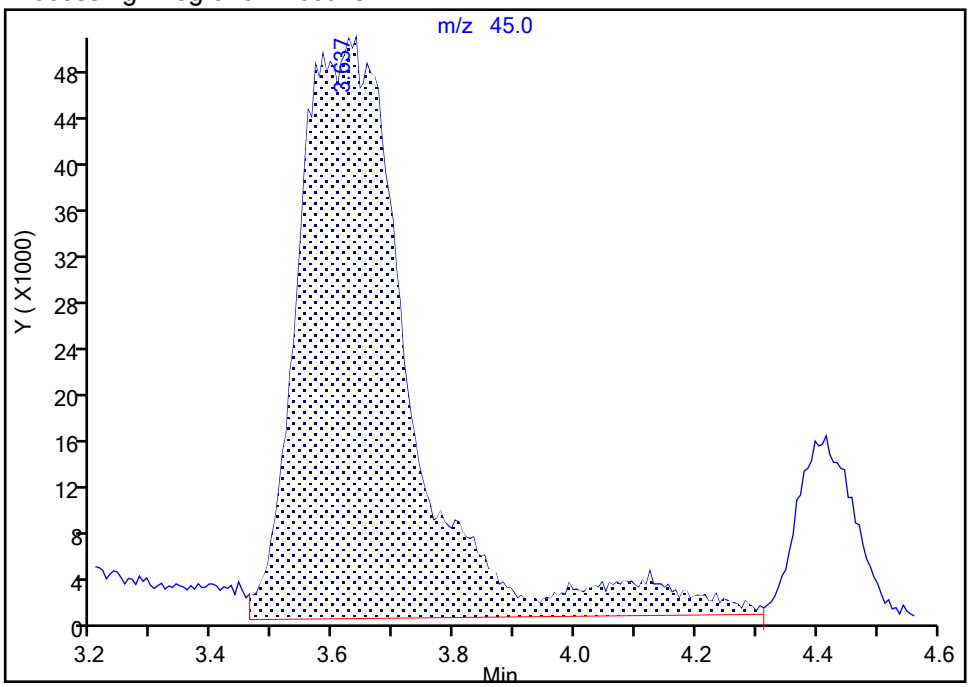
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X17.D				
Injection Date:	05-Dec-2022 22:29:30	Instrument ID:	23297		
Lims ID:	IC v100				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

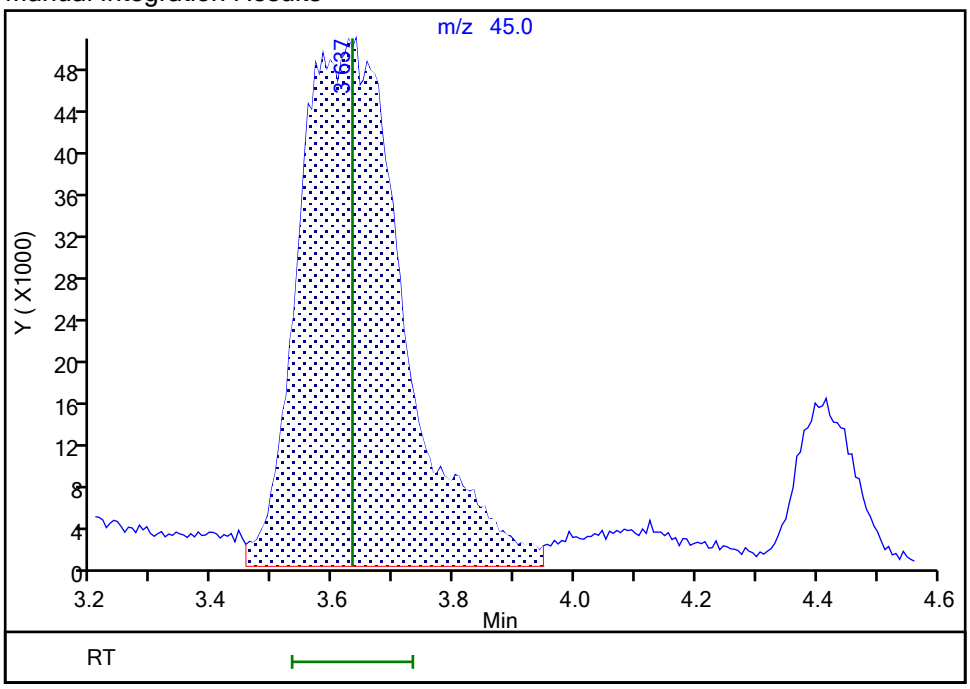
Processing Integration Results

RT: 3.64
Area: 634382
Amount: 481.1230
Amount Units: ug/l



Manual Integration Results

RT: 3.64
Area: 597732
Amount: 466.7191
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 10:56:31
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Dec-2022 22:52:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0072549-018
Misc. Info.: LG 300
Operator ID: kas02648 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 06-Dec-2022 13:46:52 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: ULCP Date: 06-Dec-2022 11:07:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.855	1.867	-0.012	99	3746023	300.0	285.9	
4 Chloromethane	50	2.043	2.062	-0.019	99	3185376	300.0	281.0	
5 Vinyl chloride	62	2.153	2.165	-0.012	98	3249286	300.0	300.6	
6 Butadiene	39	2.165	2.177	-0.012	94	2649018	300.0	268.6	
8 Bromomethane	94	2.475	2.488	-0.013	90	2221103	300.0	288.1	
9 Chloroethane	64	2.555	2.567	-0.013	100	1561925	300.0	276.3	
10 Dichlorofluoromethane	67	2.786	2.798	-0.012	97	4030183	300.0	272.6	
11 Trichlorofluoromethane	101	2.847	2.859	-0.012	97	4259646	300.0	308.6	
12 Pentane	43	2.883	2.895	-0.012	96	2672365	300.0	291.4	
13 Ethanol	45	3.035	3.041	-0.006	97	1044271	7500.2	6924.6	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.175	3.181	-0.006	91	2265633	300.0	292.6	
16 Acrolein	56	3.242	3.260	-0.018	99	7353828	2999.9	3079.3	
17 1,1-Dichloroethene	96	3.382	3.394	-0.012	97	1800824	300.0	283.6	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.412	3.425	-0.013	91	2065050	300.0	296.7	
18 Acetone	58	3.412	3.425	-0.013	86	702661	600.0	549.9	
21 Iodomethane	142	3.577	3.583	-0.006	98	3506907	300.0	290.7	
20 Isopropyl alcohol	45	3.583	3.631	-0.048	99	1736602	1500.0	1320.0	M
22 Carbon disulfide	76	3.668	3.680	-0.012	99	5841157	300.0	297.5	
24 Methyl acetate	43	3.802	3.820	-0.018	97	2217826	300.0	285.3	
25 3-Chloro-1-propene	41	3.826	3.844	-0.018	91	2243352	300.0	273.1	
26 Methylene Chloride	84	4.015	4.027	-0.012	90	1994418	300.0	284.2	
* 27 t-Butyl alcohol-d10 (IS)	65	4.069	4.082	-0.013	86	551161	250.0	250.0	
28 2-Methyl-2-propanol	59	4.209	4.203	0.006	100	2672719	1500.0	1205.9	M
29 Acrylonitrile	53	4.331	4.349	-0.018	98	3100596	750.0	702.5	
30 Methyl tert-butyl ether	73	4.404	4.416	-0.012	95	5844054	300.0	290.5	
31 trans-1,2-Dichloroethene	96	4.404	4.416	-0.012	99	1737974	300.0	268.4	
33 Hexane	57	4.842	4.860	-0.018	93	2254217	300.0	270.4	
34 1,1-Dichloroethane	63	5.079	5.085	-0.006	96	2927603	300.0	279.0	
36 Isopropyl ether	45	5.140	5.152	-0.012	95	5188575	300.0	289.5	
37 2-Chloro-1,3-butadiene	53	5.189	5.201	-0.012	91	2387479	300.0	272.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.694	5.694	0.000	97	5464623	300.0	292.3	
39 2-Butanone (MEK)	43	5.907	5.913	-0.006	99	3846239	600.0	643.0	
40 cis-1,2-Dichloroethene	96	5.919	5.931	-0.012	81	1965949	300.0	277.4	
41 2,2-Dichloropropane	77	5.943	5.943	0.000	87	3119947	300.0	284.8	
43 Propionitrile	54	5.992	5.998	-0.006	99	3043811	1500.0	1507.1	
S 44 1,2-Dichloroethene, Total	100				0			545.8	
45 Methacrylonitrile	67	6.211	6.217	-0.006	93	3237262	750.0	716.5	
46 Chlorobromomethane	128	6.259	6.266	-0.007	89	1105597	300.0	281.3	
47 Tetrahydrofuran	71	6.272	6.284	-0.012	89	2702838	1500.0	1375.3	
48 Chloroform	83	6.411	6.424	-0.013	93	3107311	300.0	273.4	
$ 49 Dibromofluoromethane (Surr)	113	6.631	6.637	-0.007	94	329221	50.0	48.4	
50 1,1,1-Trichloroethane	97	6.643	6.649	-0.006	98	3174024	300.0	287.5	
51 Cyclohexane	56	6.740	6.752	-0.012	90	3289244	300.0	288.9	
52 Carbon tetrachloride	117	6.856	6.862	-0.006	96	2890504	300.0	302.5	
53 1,1-Dichloropropene	75	6.856	6.862	-0.006	95	2403471	300.0	285.9	
54 Isobutyl alcohol	41	7.038	7.038	0.000	94	2231928	3750.0	3533.0	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.087	7.093	-0.006	72	78144	50.0	50.3	
56 Benzene	78	7.123	7.129	-0.006	96	7111138	300.0	283.7	
57 1,2-Dichloroethane	62	7.196	7.202	-0.006	98	2547625	300.0	276.2	
59 Tert-amyl methyl ether	73	7.324	7.318	0.006	98	5563490	300.0	293.7	
* 60 Fluorobenzene (IS)	96	7.531	7.537	-0.006	99	1307293	50.0	50.0	
61 n-Heptane	43	7.549	7.555	-0.006	91	2381100	300.0	278.2	
63 n-Butanol	56	7.926	7.926	0.000	89	2007047	3750.0	3578.3	
64 Trichloroethene	95	8.011	8.018	-0.007	98	2019700	300.0	286.6	
65 Methylcyclohexane	83	8.322	8.322	0.000	91	3678671	300.0	296.2	
66 1,2-Dichloropropane	63	8.352	8.358	-0.006	96	1939179	300.0	298.5	
67 2-ethoxy-2-methyl butane	87	8.364	8.364	0.000	94	2873671	300.0	318.8	
68 Methyl methacrylate	69	8.443	8.444	-0.001	89	2022456	300.0	294.4	
69 1,4-Dioxane	88	8.456	8.462	-0.006	60	619636	3750.0	4189.7	
70 Dibromomethane	93	8.462	8.468	-0.006	96	1434383	300.0	295.3	
72 Dichlorobromomethane	83	8.699	8.705	-0.006	99	2608943	300.0	295.6	
73 2-Nitropropane	41	8.979	8.979	0.000	98	5059423	1500.0	1416.5	
74 2-Chloroethyl vinyl ether	63	9.076	9.076	0.000	92	1611914	300.0	318.0	
75 cis-1,3-Dichloropropene	75	9.265	9.265	0.000	96	3286142	300.0	308.8	
76 4-Methyl-2-pentanone (MIBK)	43	9.447	9.447	0.000	96	7194965	600.0	631.3	
$ 77 Toluene-d8 (Surr)	98	9.581	9.581	0.000	93	1350491	50.0	49.4	
78 Toluene	92	9.660	9.660	0.000	98	4829195	300.0	281.8	
79 trans-1,3-Dichloropropene	75	9.928	9.928	0.000	93	3165918	300.0	301.0	
80 Ethyl methacrylate	69	9.989	9.989	0.000	89	3245872	300.0	279.1	
S 102 1,3-Dichloropropene, Total	100				0			609.8	
103 1,1,2-Trichloroethane	97	10.135	10.135	0.000	91	1971175	300.0	282.3	
104 Tetrachloroethene	166	10.220	10.220	0.000	97	2290516	300.0	286.3	
105 1,3-Dichloropropane	76	10.299	10.299	0.000	91	3083510	300.0	290.8	
107 2-Hexanone	43	10.354	10.354	0.000	95	5397488	600.0	611.6	
109 Chlorodibromomethane	129	10.512	10.512	0.000	90	2418675	300.0	311.8	
110 Ethylene Dibromide	107	10.621	10.621	0.000	99	2266682	300.0	294.8	
* 111 Chlorobenzene-d5 (IS)	117	11.065	11.066	-0.001	85	1066296	50.0	50.0	
112 1-Chlorohexane	91	11.078	11.078	0.000	97	2709204	300.0	261.4	
113 Chlorobenzene	112	11.090	11.090	0.000	96	5855665	300.0	281.0	
114 1,1,1,2-Tetrachloroethane	131	11.175	11.175	0.000	97	2297179	300.0	295.4	
115 Ethylbenzene	91	11.181	11.181	0.000	98	9254796	300.0	268.1	
S 116 Xylenes, Total	106				0			832.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
117 m-Xylene & p-Xylene	106	11.297	11.297	0.000	97	7573238	600.0	550.0	
118 o-Xylene	106	11.631	11.631	0.000	95	3999685	300.0	282.6	
119 Styrene	104	11.643	11.643	0.000	94	6387205	300.0	281.7	
120 Bromoform	173	11.802	11.796	0.006	97	1984093	300.0	316.1	
121 Isopropylbenzene	105	11.929	11.929	0.000	96	9953495	300.0	269.0	
123 Cyclohexanone	55	12.008	12.002	0.006	92	2331409	3750.2	3639.2	
$ 124 4-Bromofluorobenzene (Surr)	95	12.075	12.075	0.000	91	525590	50.0	50.5	
125 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	95	3667182	300.0	282.0	
126 Bromobenzene	156	12.191	12.191	0.000	97	2686704	300.0	287.9	
127 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	91	2622615	750.0	718.6	
128 1,2,3-Trichloropropane	110	12.221	12.221	0.000	83	1084581	300.0	279.6	
129 N-Propylbenzene	91	12.264	12.264	0.000	97	10942877	300.0	256.6	
130 2-Chlorotoluene	126	12.337	12.337	0.000	98	2676445	300.0	287.8	
131 1,3,5-Trimethylbenzene	105	12.404	12.398	0.006	95	8916398	300.0	276.6	
132 4-Chlorotoluene	126	12.434	12.428	0.006	96	2637770	300.0	284.0	
134 tert-Butylbenzene	134	12.641	12.641	0.000	93	1881108	300.0	305.5	
136 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	97	9168995	300.0	272.9	
137 sec-Butylbenzene	105	12.805	12.805	0.000	95	10982305	300.0	270.9	
138 1,3-Dichlorobenzene	146	12.903	12.903	0.000	98	5085233	300.0	274.5	
139 4-Isopropyltoluene	119	12.915	12.915	0.000	95	9898860	300.0	271.0	
* 140 1,4-Dichlorobenzene-d4	152	12.964	12.958	0.006	91	614734	50.0	50.0	
141 1,4-Dichlorobenzene	146	12.976	12.976	0.000	94	4941404	300.0	273.9	
142 1,2,3-Trimethylbenzene	105	12.994	12.988	0.006	97	9484976	300.0	276.9	
143 Benzyl chloride	91	13.055	13.055	0.000	98	7037606	300.0	280.7	
144 1,3-Diethylbenzene	119	13.116	13.116	0.000	94	6184146	300.0	280.6	
145 p-Diethylbenzene	119	13.189	13.189	0.000	95	6340978	300.0	272.7	
146 n-Butylbenzene	92	13.207	13.207	0.000	96	4958581	300.0	273.7	
147 1,2-Dichlorobenzene	146	13.237	13.237	0.000	98	5235034	300.0	272.1	
148 o-diethylbenzene	119	13.262	13.262	0.000	95	5229730	300.0	287.9	
150 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	89	1090574	300.0	282.2	
151 1,3,5-Trichlorobenzene	180	13.913	13.907	0.006	98	4065556	300.0	274.6	
152 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	95	3871696	300.0	271.7	
153 Hexachlorobutadiene	225	14.417	14.418	-0.001	98	1537090	300.0	290.7	
154 Naphthalene	128	14.515	14.515	0.000	98	12444951	300.0	252.8	e
155 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	96	3958956	300.0	277.8	
156 2-Methylnaphthalene	142	15.269	15.269	0.000	91	8380542	300.0	282.4	
S 180 Total Diethylbenzene	1				0			841.3	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00100	Amount Added:	15.00	Units: uL	
MSV_CCV_CYC_00004	Amount Added:	30.00	Units: uL	
MSV_CCV_VOC#3_00100	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00096	Amount Added:	15.00	Units: uL	
MSV_CCV_ETOH_00003	Amount Added:	30.00	Units: uL	
MSV_CCV_GASES_00321	Amount Added:	7.50	Units: uL	
MSV_HP4_ISSS_00016	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Dec-2022 13:46:52 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Injection Date: 05-Dec-2022 22:52:30 Instrument ID: 23297 Operator ID: kas02648

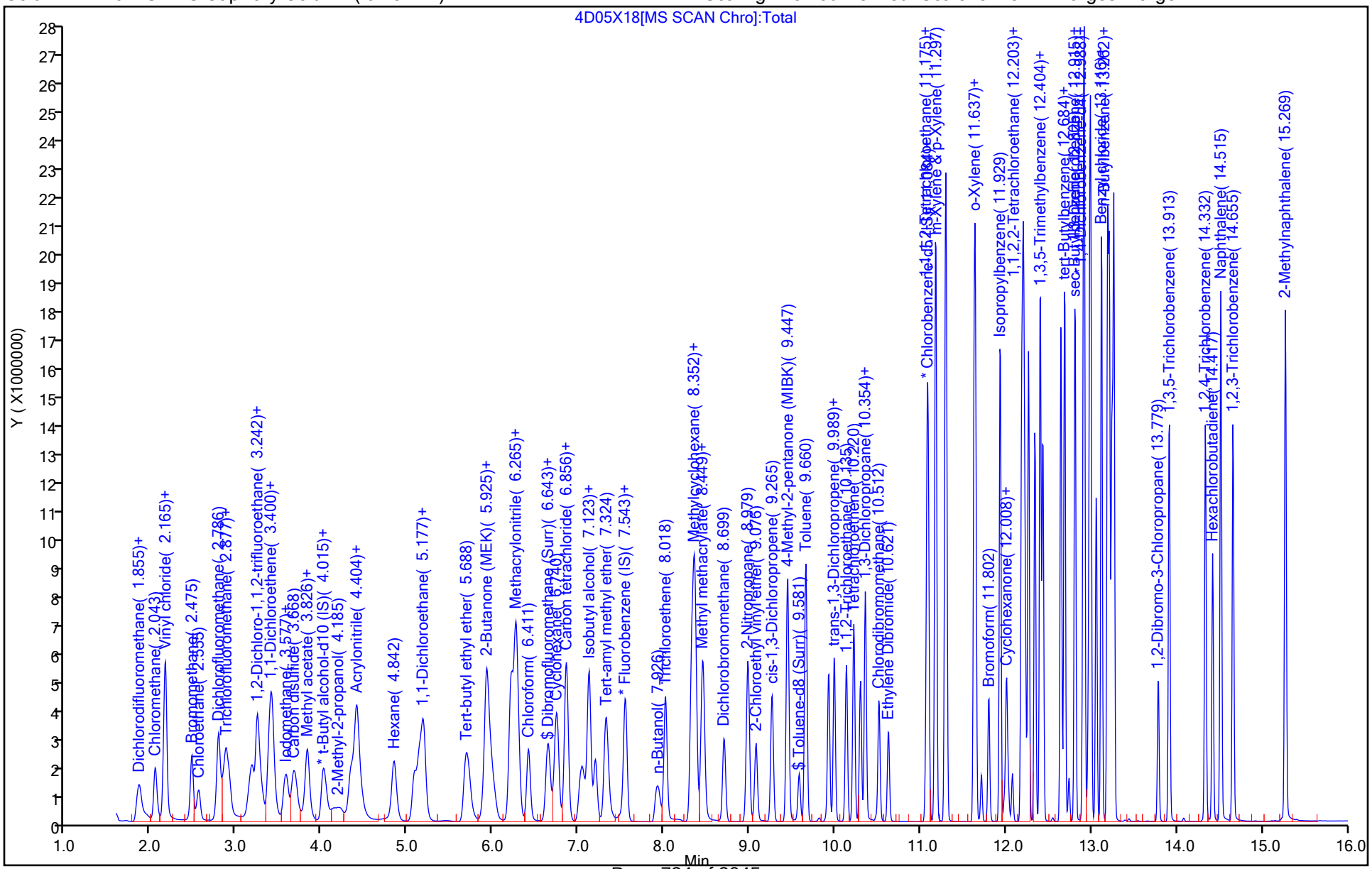
Lims ID: IC v300 Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 18

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

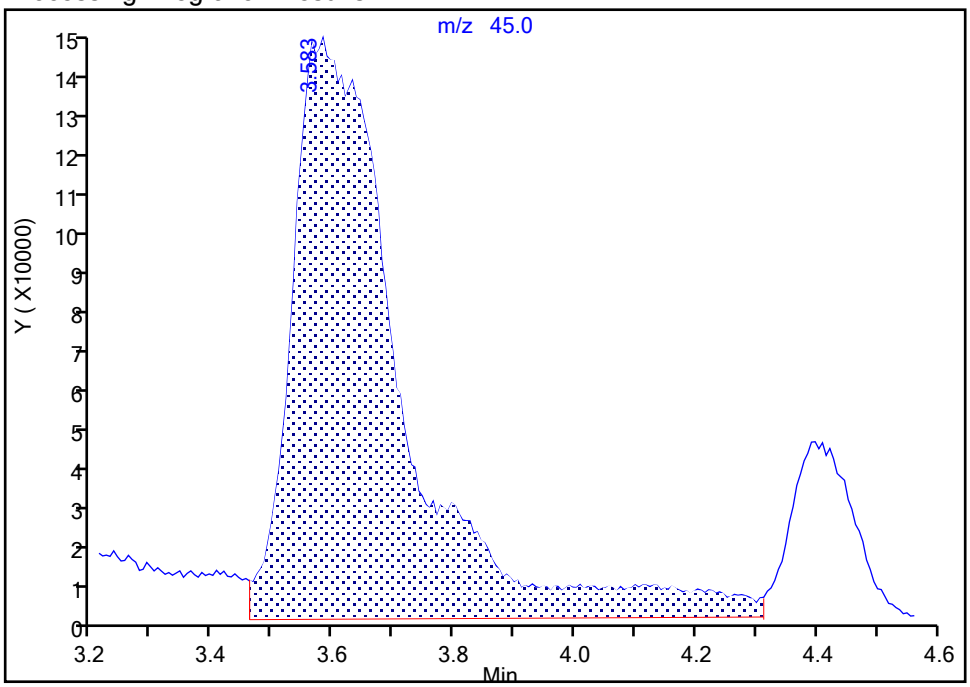
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D				
Injection Date:	05-Dec-2022 22:52:30	Instrument ID:	23297		
Lims ID:	IC v300				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

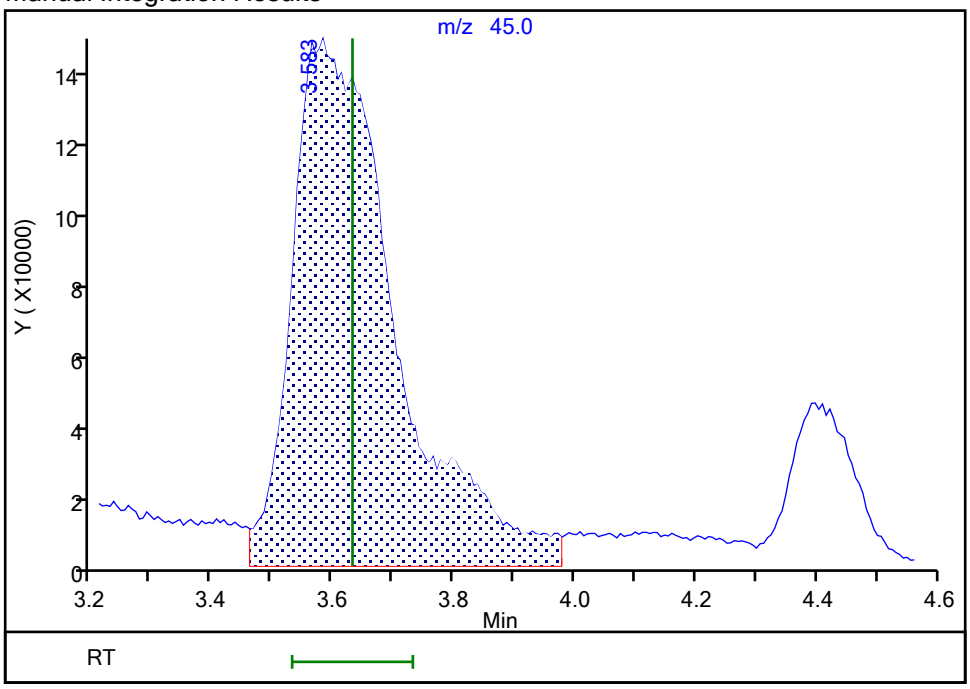
Processing Integration Results

RT: 3.58
Area: 1849785
Amount: 1394.5809
Amount Units: ug/l



Manual Integration Results

RT: 3.58
Area: 1736602
Amount: 1319.9775
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 11:01:36
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

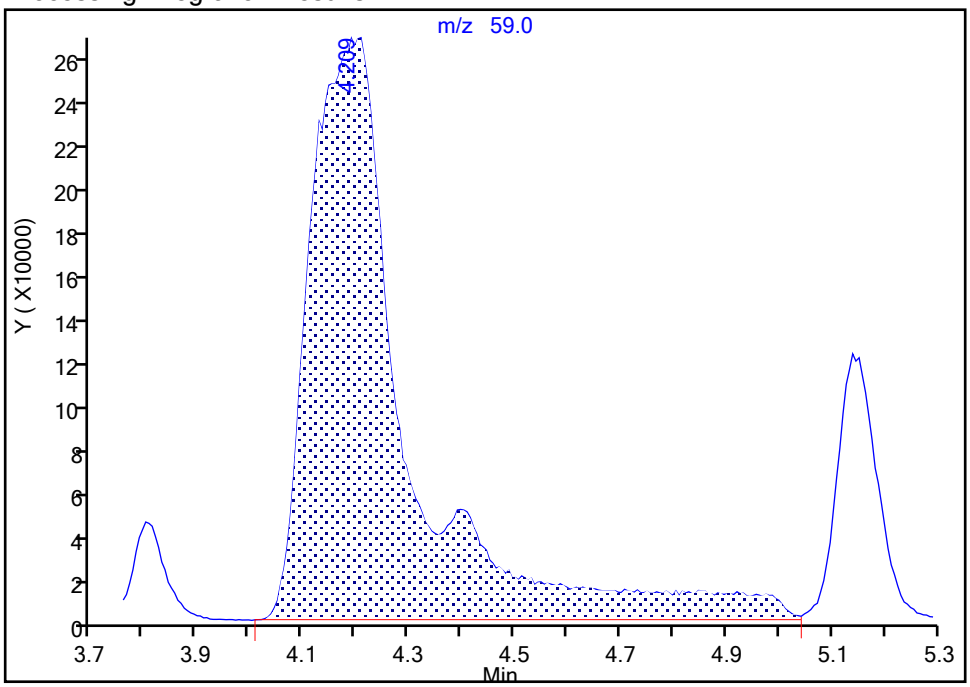
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D
Injection Date: 05-Dec-2022 22:52:30 Instrument ID: 23297
Lims ID: IC v300
Client ID:
Operator ID: kas02648 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

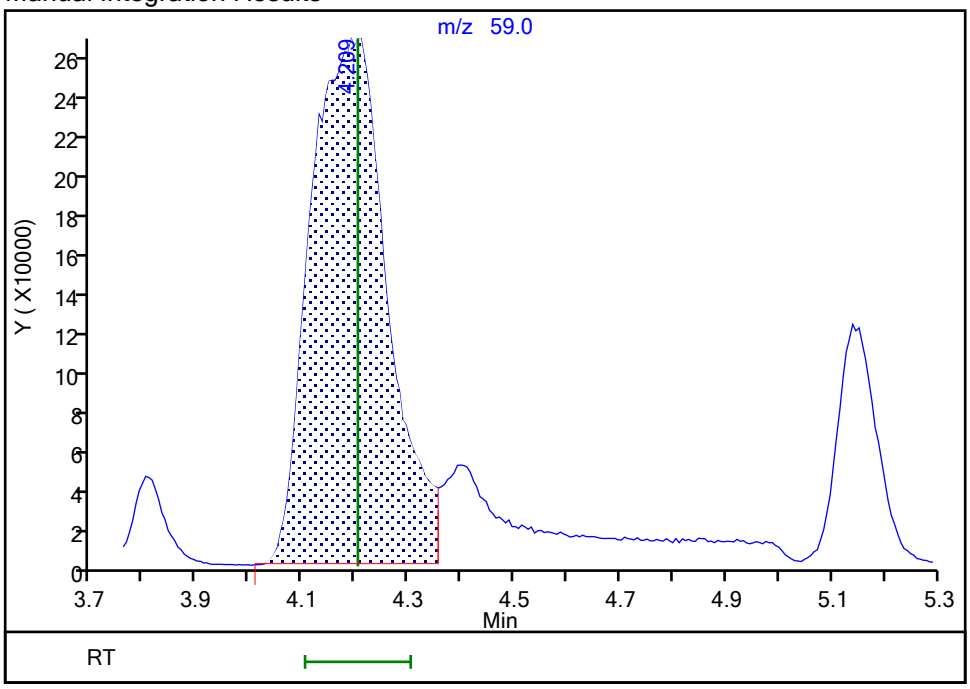
Processing Integration Results

RT: 4.21
Area: 3381714
Amount: 1480.6825
Amount Units: ug/l



Manual Integration Results

RT: 4.21
Area: 2672719
Amount: 1205.9019
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 11:04:45
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Calibration / Dichlorodifluoromethane

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

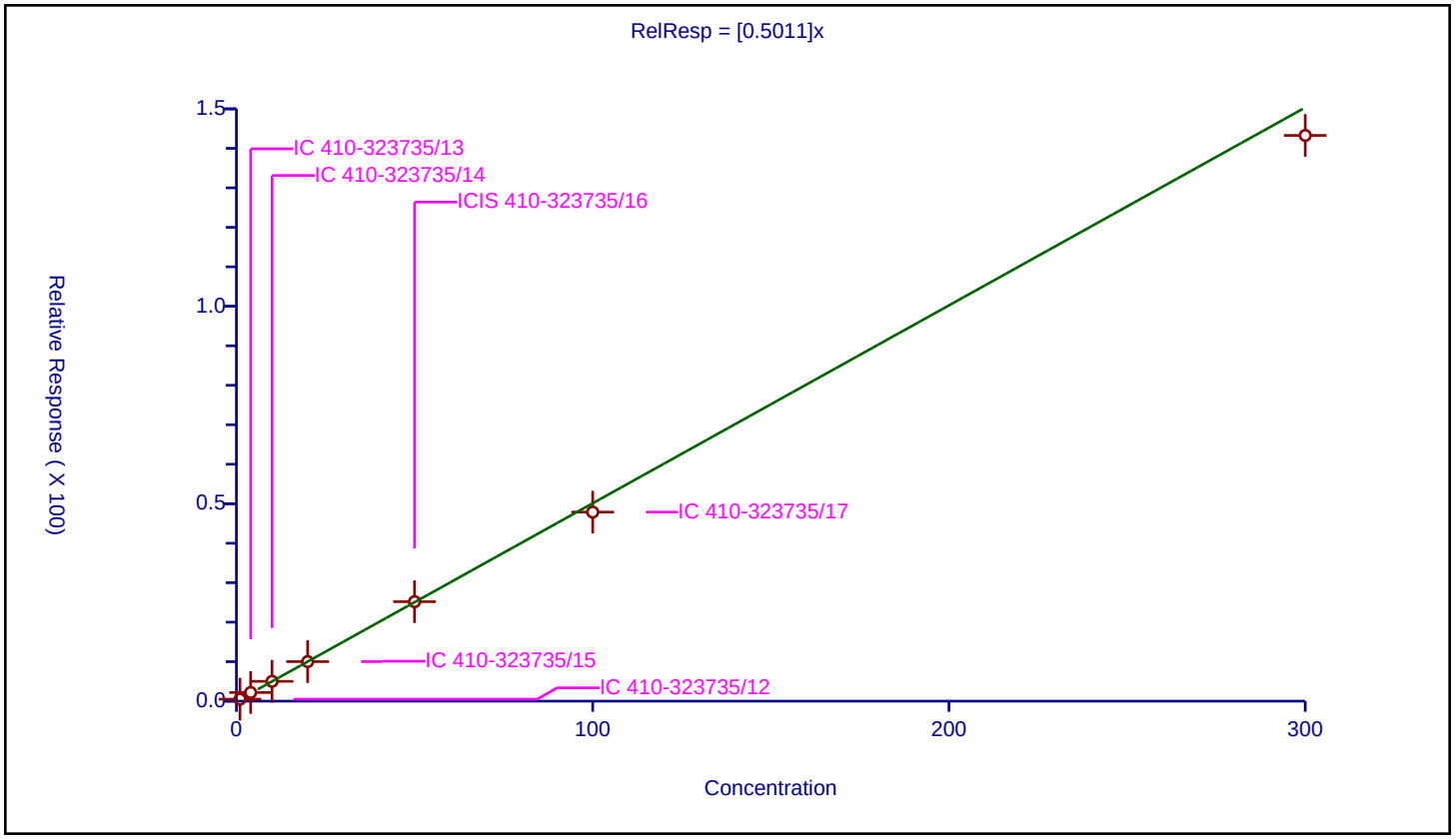
Curve Coefficients

Intercept:	0
Slope:	0.5011

Error Coefficients

Standard Error:	1640000
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 410-323735/12	1.0	0.499088	50.0	1283340.0	0.499088	Y
2	IC 410-323735/13	4.0	2.187035	50.0	1302951.0	0.546759	Y
3	IC 410-323735/14	10.0	5.013531	50.0	1296302.0	0.501353	Y
4	IC 410-323735/15	20.0	10.010852	50.0	1283662.0	0.500543	Y
5	ICIS 410-323735/16	50.0	25.194249	50.0	1319829.0	0.503885	Y
6	IC 410-323735/17	100.0	47.878948	50.0	1301123.0	0.478789	Y
7	IC 410-323735/18	300.0	143.27404	50.0	1307293.0	0.47758	Y



Calibration / Chloromethane

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

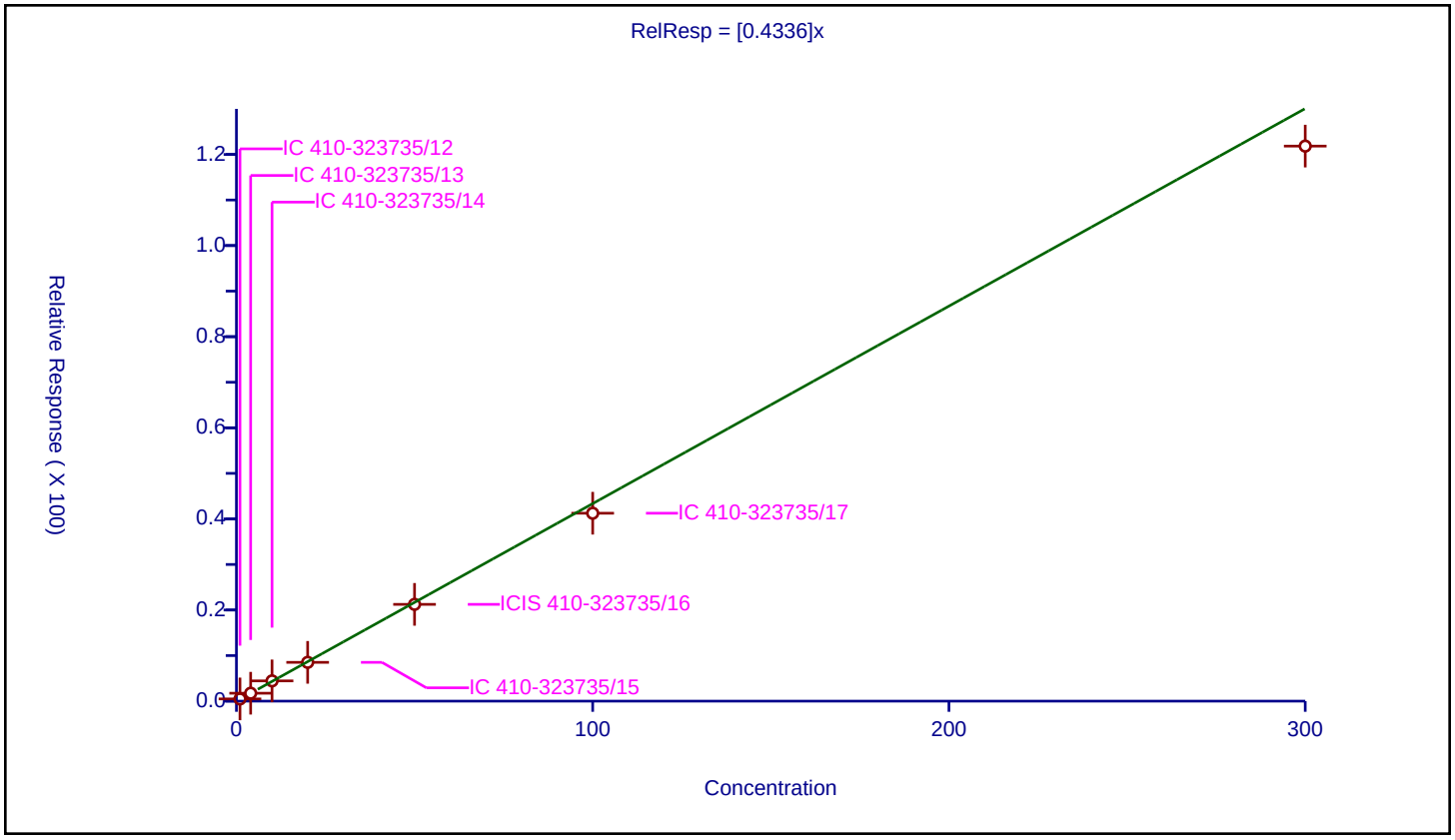
Curve Coefficients

Intercept:	0
Slope:	0.4336

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.485997	50.0	1283340.0	0.485997	Y
2	IC 410-323735/13	4.0	1.740357	50.0	1302951.0	0.435089	Y
3	IC 410-323735/14	10.0	4.447382	50.0	1296302.0	0.444738	Y
4	IC 410-323735/15	20.0	8.512911	50.0	1283662.0	0.425646	Y
5	ICIS 410-323735/16	50.0	21.243737	50.0	1319829.0	0.424875	Y
6	IC 410-323735/17	100.0	41.250481	50.0	1301123.0	0.412505	Y
7	IC 410-323735/18	300.0	121.83099	50.0	1307293.0	0.406103	Y



Calibration / Vinyl chloride

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

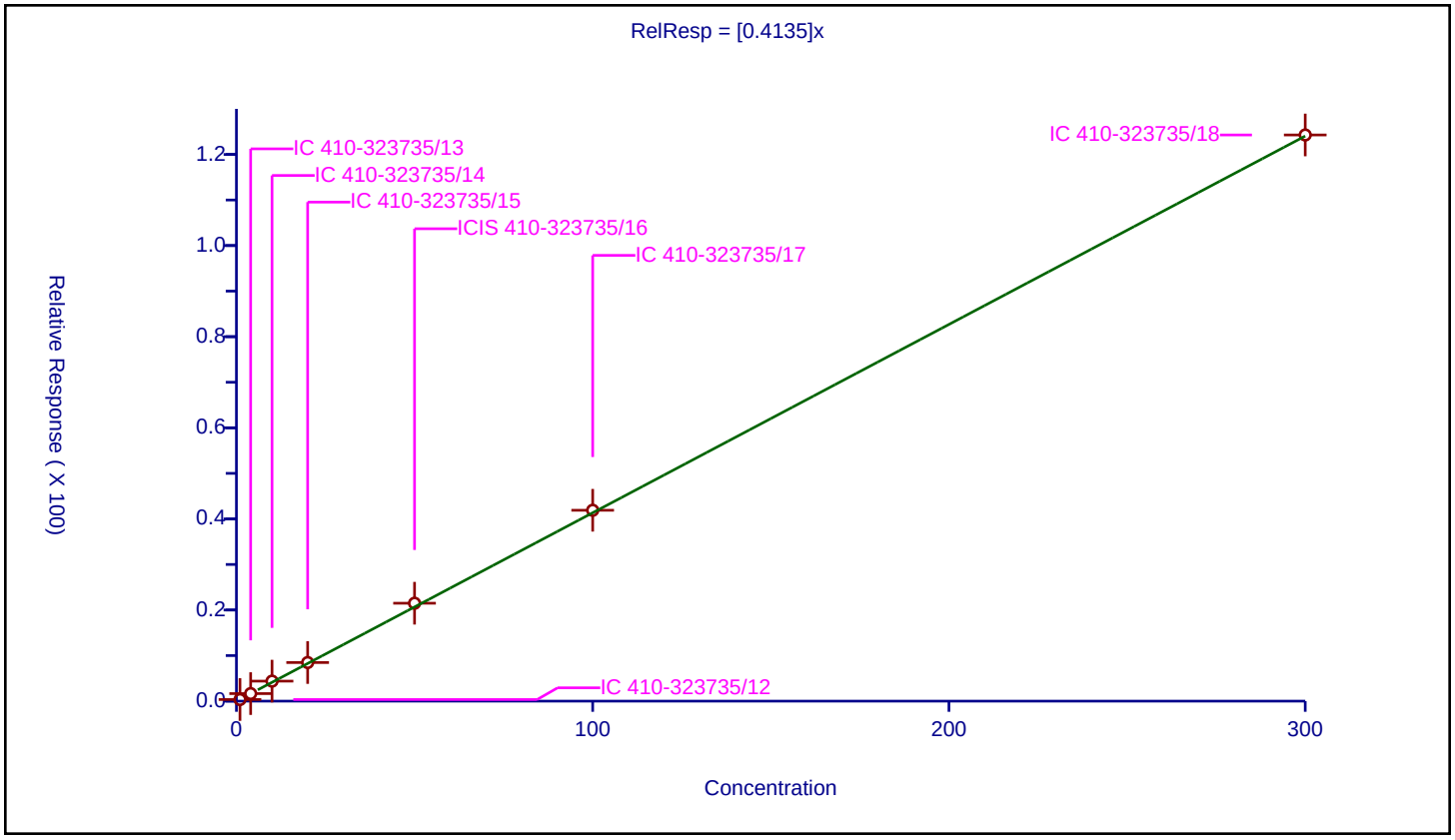
Curve Coefficients

Intercept:	0
Slope:	0.4135

Error Coefficients

Standard Error:	1420000
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 410-323735/12	1.0	0.353453	50.0	1283340.0	0.353453	Y
2	IC 410-323735/13	4.0	1.659617	50.0	1302951.0	0.414904	Y
3	IC 410-323735/14	10.0	4.391415	50.0	1296302.0	0.439141	Y
4	IC 410-323735/15	20.0	8.472947	50.0	1283662.0	0.423647	Y
5	ICIS 410-323735/16	50.0	21.49286	50.0	1319829.0	0.429857	Y
6	IC 410-323735/17	100.0	41.89431	50.0	1301123.0	0.418943	Y
7	IC 410-323735/18	300.0	124.275354	50.0	1307293.0	0.414251	Y



Calibration / Butadiene

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

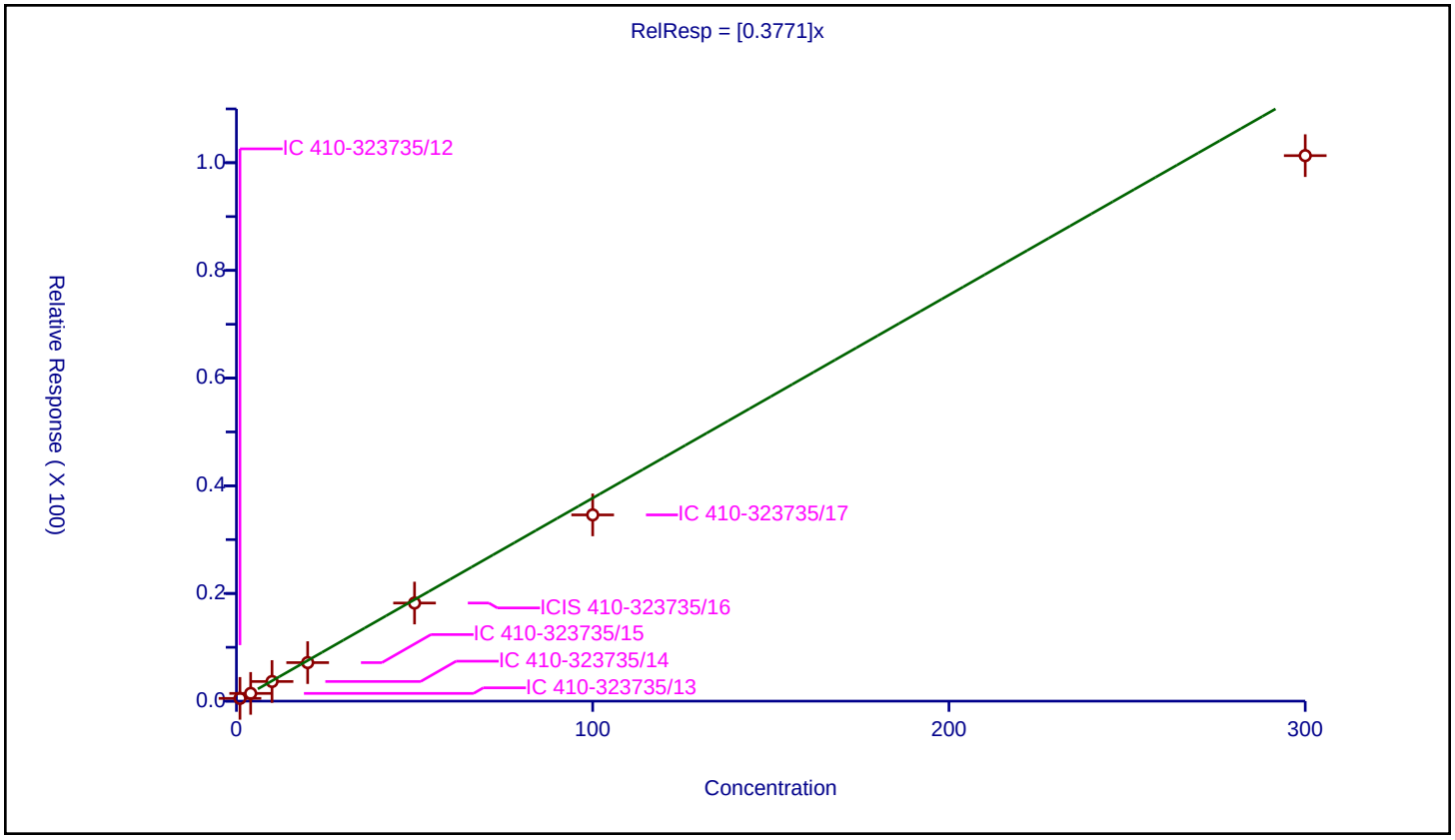
Curve Coefficients

Intercept:	0
Slope:	0.3771

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	15.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.509803	50.0	1283340.0	0.509803	Y
2	IC 410-323735/13	4.0	1.438158	50.0	1302951.0	0.35954	Y
3	IC 410-323735/14	10.0	3.64888	50.0	1296302.0	0.364888	Y
4	IC 410-323735/15	20.0	7.153986	50.0	1283662.0	0.357699	Y
5	ICIS 410-323735/16	50.0	18.219822	50.0	1319829.0	0.364396	Y
6	IC 410-323735/17	100.0	34.591388	50.0	1301123.0	0.345914	Y
7	IC 410-323735/18	300.0	101.31692	50.0	1307293.0	0.337723	Y



Calibration / Bromomethane

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

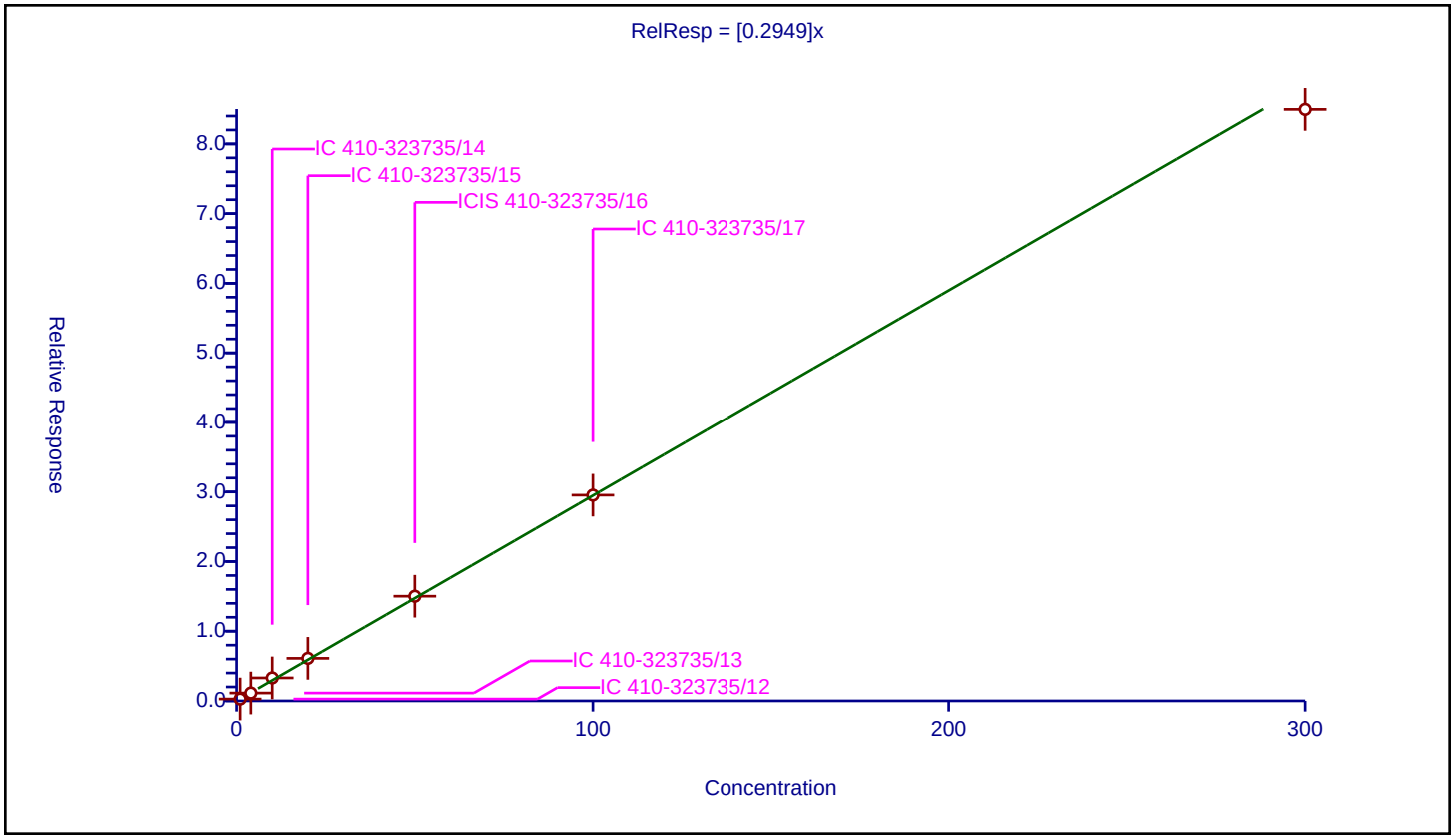
Curve Coefficients

Intercept:	0
Slope:	0.2949

Error Coefficients

Standard Error:	976000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.267934	50.0	1283340.0	0.267934	Y
2	IC 410-323735/13	4.0	1.128016	50.0	1302951.0	0.282004	Y
3	IC 410-323735/14	10.0	3.296454	50.0	1296302.0	0.329645	Y
4	IC 410-323735/15	20.0	6.10702	50.0	1283662.0	0.305351	Y
5	ICIS 410-323735/16	50.0	15.023158	50.0	1319829.0	0.300463	Y
6	IC 410-323735/17	100.0	29.543056	50.0	1301123.0	0.295431	Y
7	IC 410-323735/18	300.0	84.950466	50.0	1307293.0	0.283168	Y



Calibration / Chloroethane

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

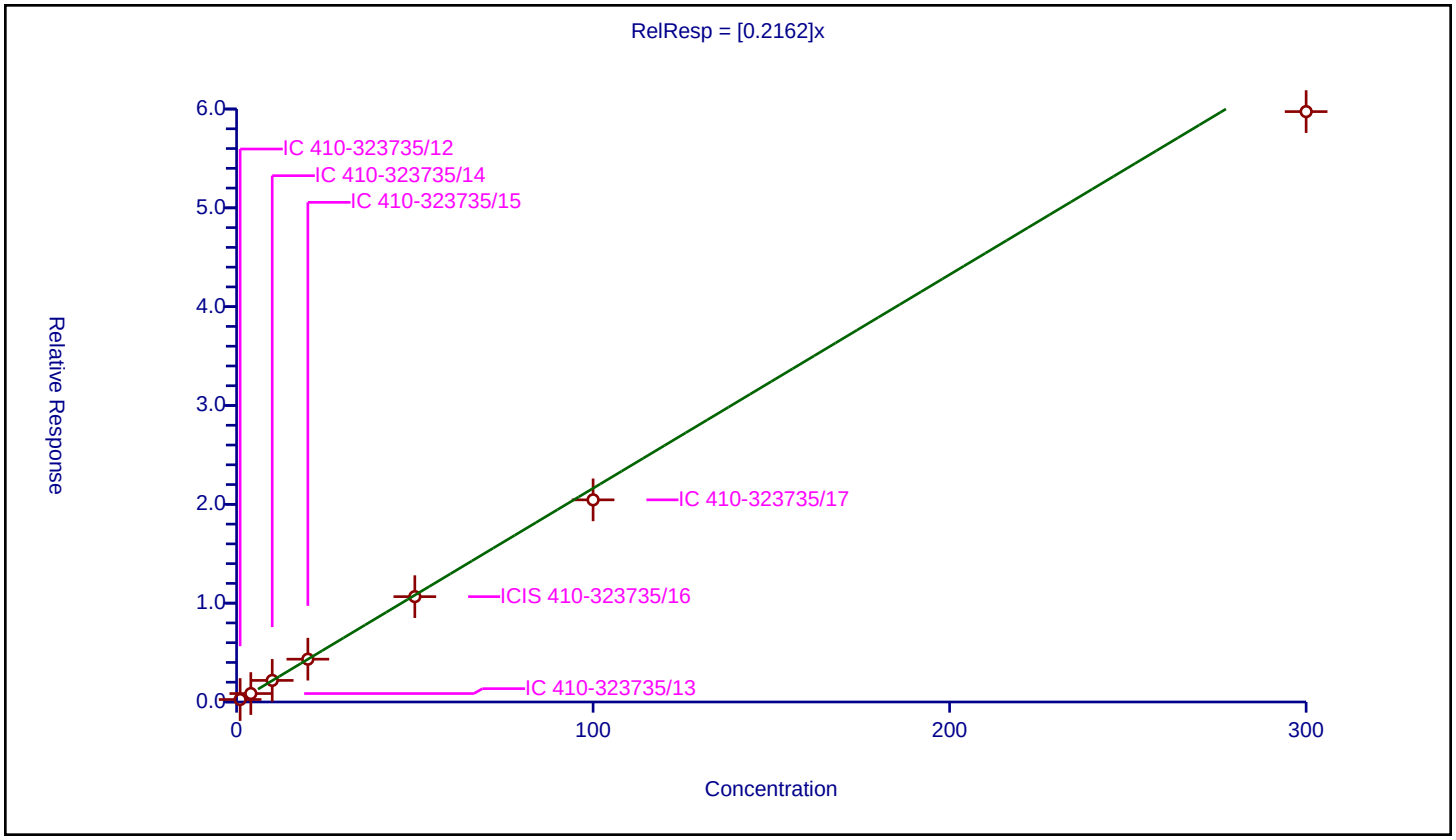
Curve Coefficients

Intercept:	0
Slope:	0.2162

Error Coefficients

Standard Error:	685000
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 410-323735/12	1.0	0.248258	50.0	1283340.0	0.248258	Y
2	IC 410-323735/13	4.0	0.853371	50.0	1302951.0	0.213343	Y
3	IC 410-323735/14	10.0	2.183288	50.0	1296302.0	0.218329	Y
4	IC 410-323735/15	20.0	4.332916	50.0	1283662.0	0.216646	Y
5	ICIS 410-323735/16	50.0	10.660434	50.0	1319829.0	0.213209	Y
6	IC 410-323735/17	100.0	20.453024	50.0	1301123.0	0.20453	Y
7	IC 410-323735/18	300.0	59.738903	50.0	1307293.0	0.19913	Y



Calibration / Dichlorofluoromethane

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

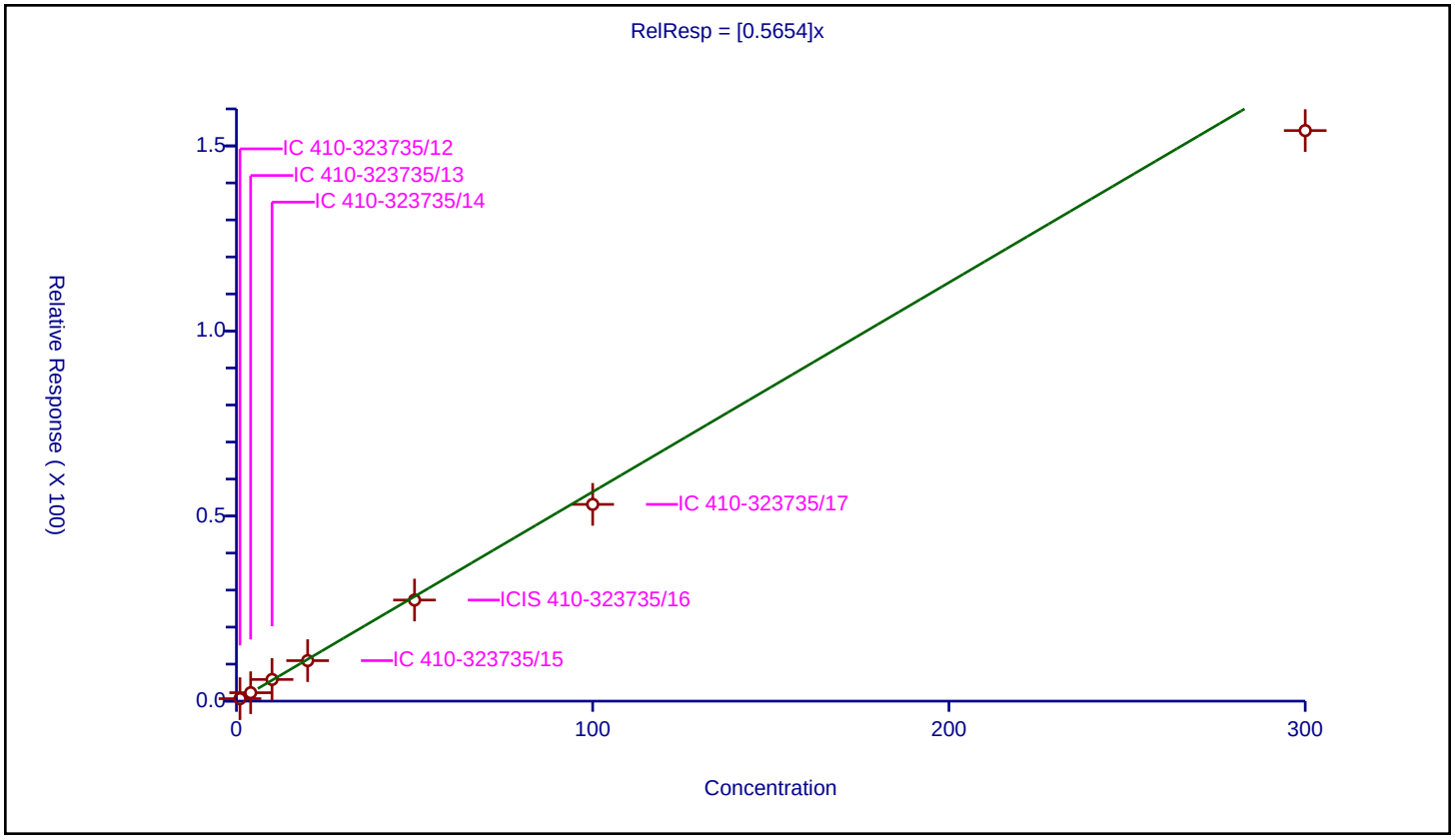
Curve Coefficients

Intercept:	0
Slope:	0.5654

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.665256	50.0	1283340.0	0.665256	Y
2	IC 410-323735/13	4.0	2.275105	50.0	1302951.0	0.568776	Y
3	IC 410-323735/14	10.0	5.851954	50.0	1296302.0	0.585195	Y
4	IC 410-323735/15	20.0	10.940653	50.0	1283662.0	0.547033	Y
5	ICIS 410-323735/16	50.0	27.310697	50.0	1319829.0	0.546214	Y
6	IC 410-323735/17	100.0	53.159232	50.0	1301123.0	0.531592	Y
7	IC 410-323735/18	300.0	154.1423	50.0	1307293.0	0.513808	Y



Calibration / Trichlorofluoromethane

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

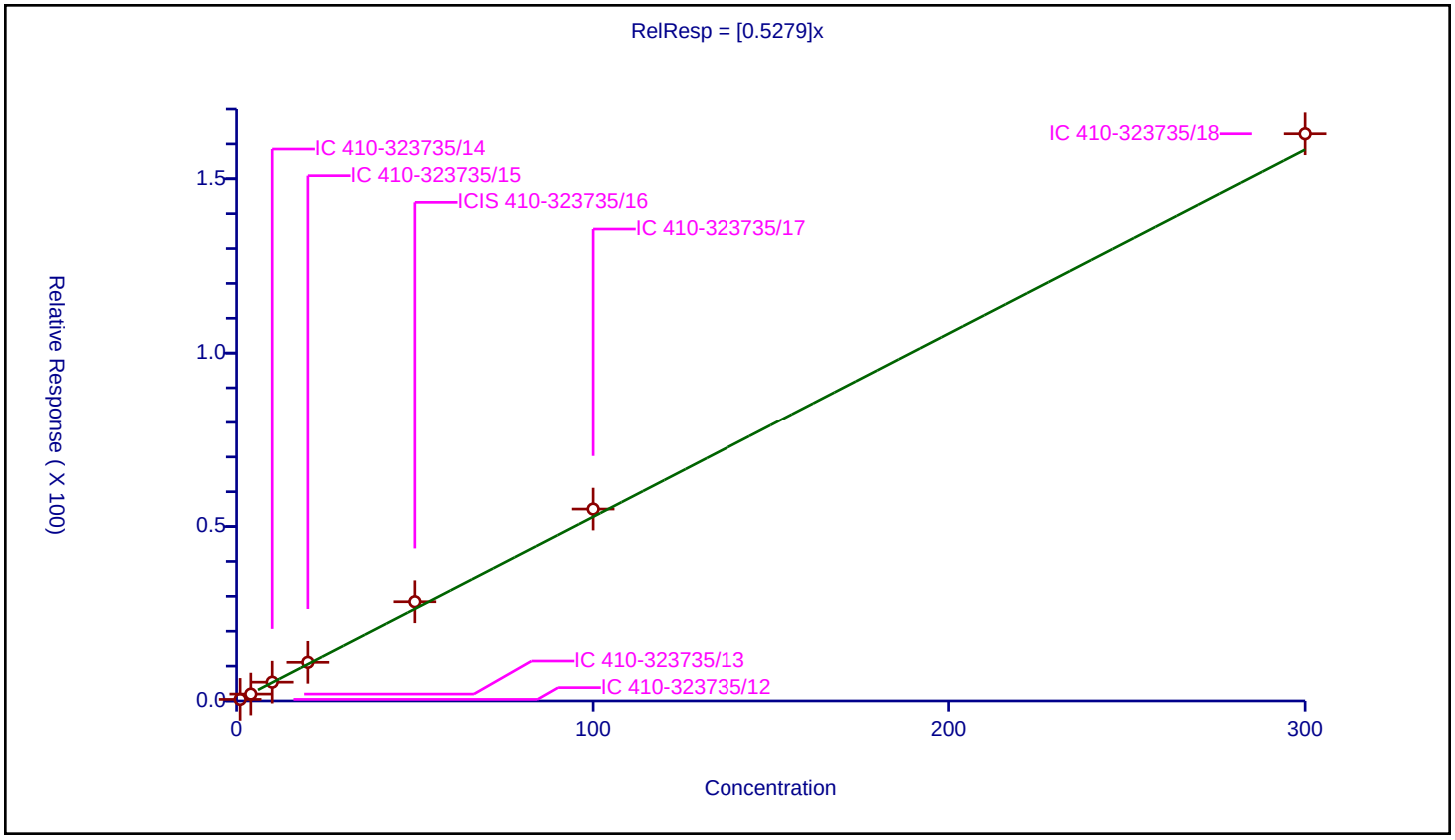
Curve Coefficients

Intercept:	0
Slope:	0.5279

Error Coefficients

Standard Error:	1860000
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 410-323735/12	1.0	0.445167	50.0	1283340.0	0.445167	Y
2	IC 410-323735/13	4.0	1.976321	50.0	1302951.0	0.49408	Y
3	IC 410-323735/14	10.0	5.393959	50.0	1296302.0	0.539396	Y
4	IC 410-323735/15	20.0	11.090303	50.0	1283662.0	0.554515	Y
5	ICIS 410-323735/16	50.0	28.452928	50.0	1319829.0	0.569059	Y
6	IC 410-323735/17	100.0	55.023968	50.0	1301123.0	0.55024	Y
7	IC 410-323735/18	300.0	162.918565	50.0	1307293.0	0.543062	Y



Calibration / Pentane

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

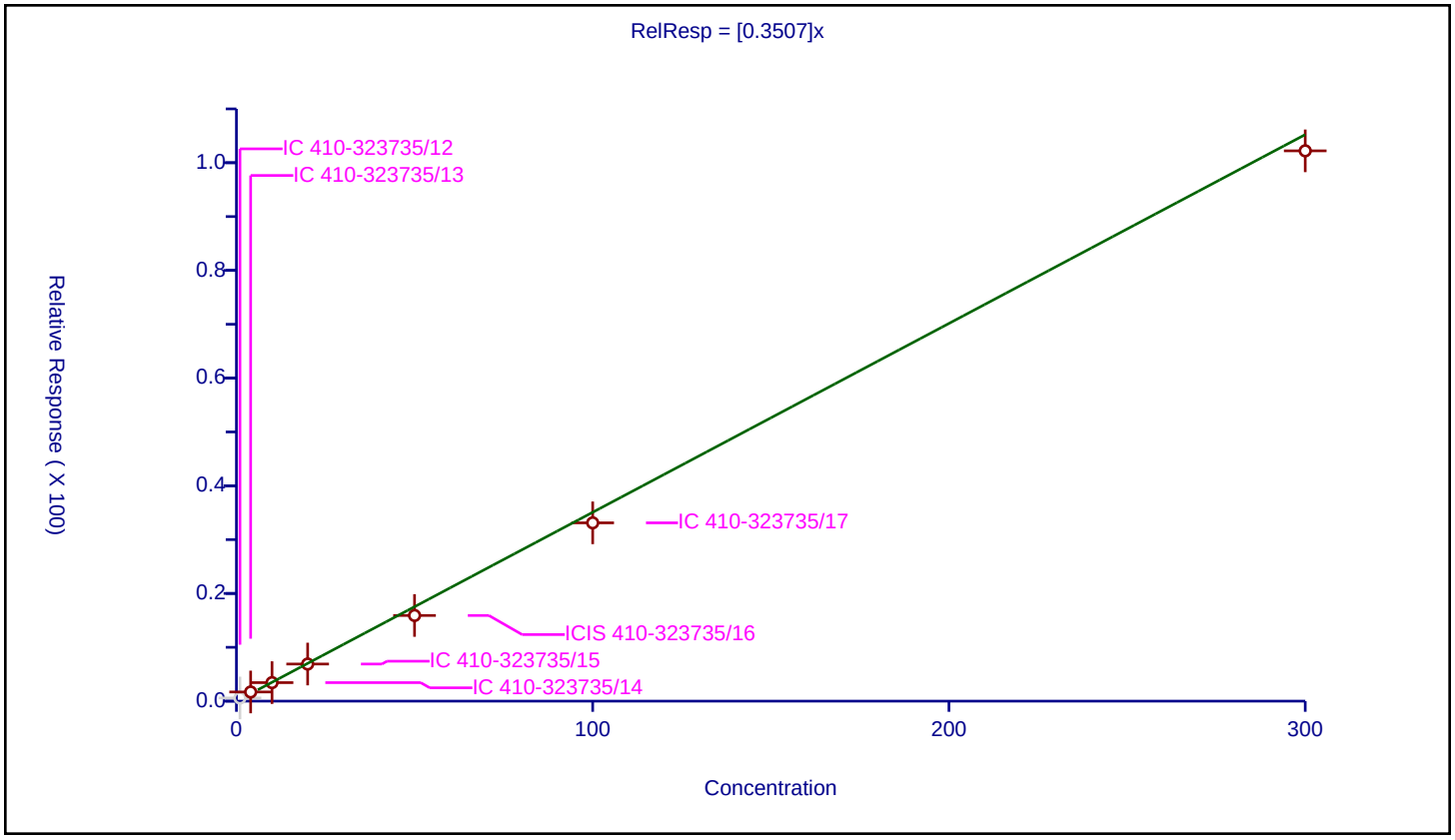
Curve Coefficients

Intercept:	0
Slope:	0.3507

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	10.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.591348	50.0	1283340.0	0.591348	N
2	IC 410-323735/13	4.0	1.702175	50.0	1302951.0	0.425544	Y
3	IC 410-323735/14	10.0	3.442601	50.0	1296302.0	0.34426	Y
4	IC 410-323735/15	20.0	6.892546	50.0	1283662.0	0.344627	Y
5	ICIS 410-323735/16	50.0	15.909523	50.0	1319829.0	0.31819	Y
6	IC 410-323735/17	100.0	33.115317	50.0	1301123.0	0.331153	Y
7	IC 410-323735/18	300.0	102.209872	50.0	1307293.0	0.3407	Y



Calibration / Ethanol

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

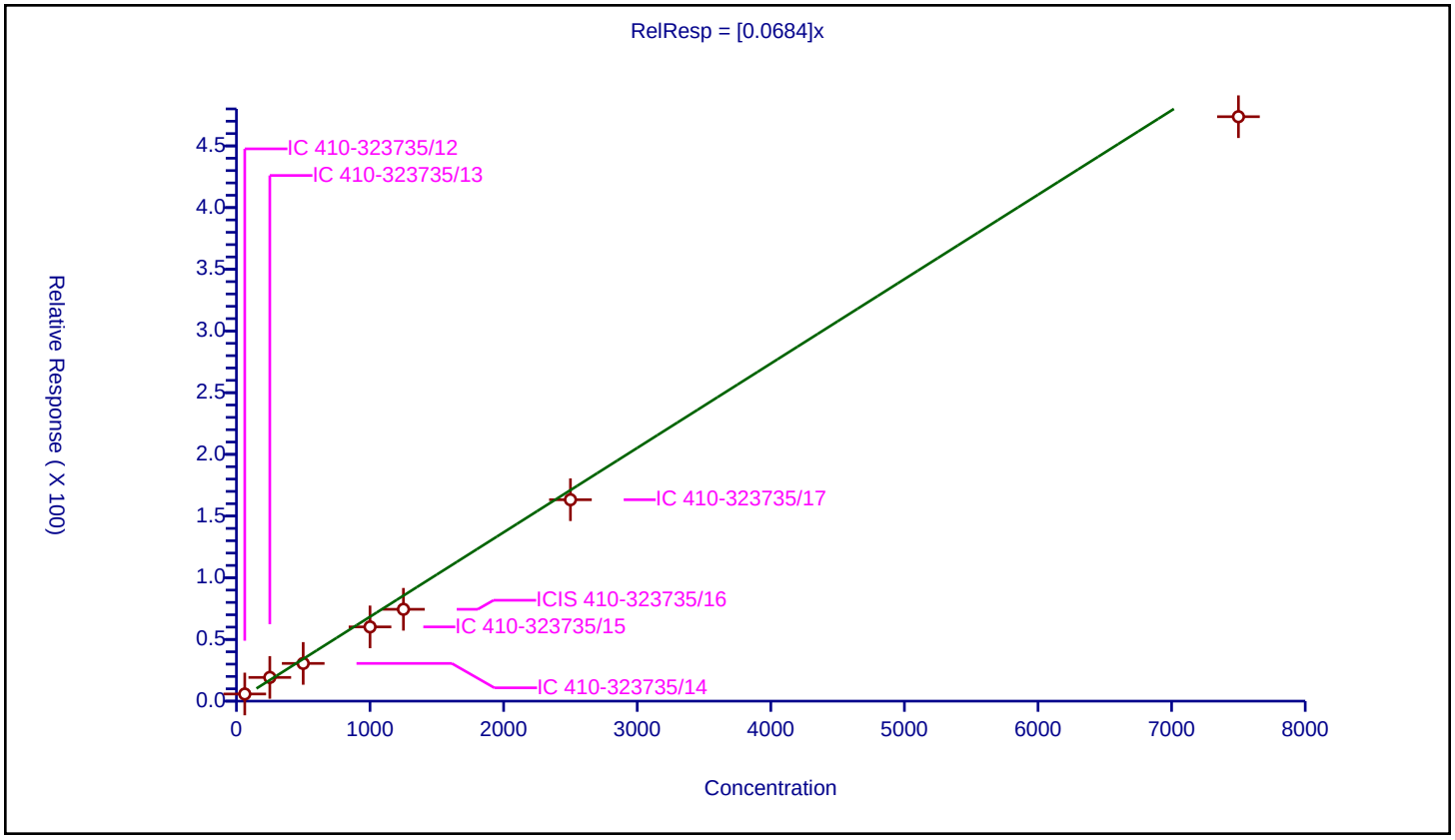
Curve Coefficients

Intercept:	0
Slope:	0.0684

Error Coefficients

Standard Error:	458000
Relative Standard Error:	17.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	62.50159	5.786396	250.0	541572.0	0.09258	Y
2	IC 410-323735/13	250.00636	19.231748	250.0	510640.0	0.076925	Y
3	IC 410-323735/14	500.01272	30.57045	250.0	496100.0	0.061139	Y
4	IC 410-323735/15	1000.02544	60.18057	250.0	526665.0	0.060179	Y
5	ICIS 410-323735/16	1250.0318	74.439151	250.0	543239.0	0.05955	Y
6	IC 410-323735/17	2500.0636	163.24935	250.0	536532.0	0.065298	Y
7	IC 410-323735/18	7500.1908	473.668765	250.0	551161.0	0.063154	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

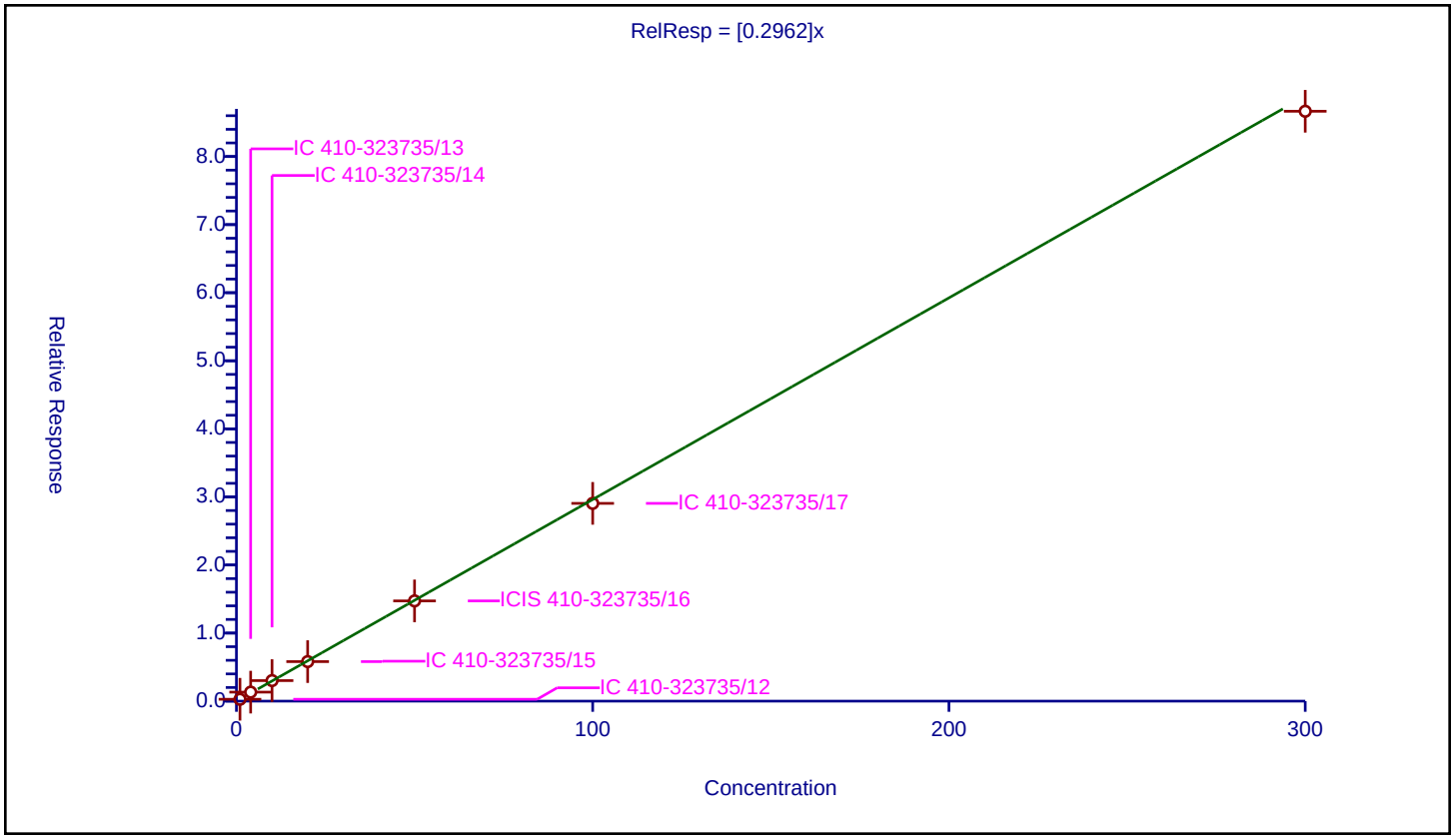
Curve Coefficients

Intercept:	0
Slope:	0.2962

Error Coefficients

Standard Error:	990000
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 410-323735/12	1.0	0.275843	50.0	1283340.0	0.275843	Y
2	IC 410-323735/13	4.0	1.326028	50.0	1302951.0	0.331507	Y
3	IC 410-323735/14	10.0	3.01716	50.0	1296302.0	0.301716	Y
4	IC 410-323735/15	20.0	5.809356	50.0	1283662.0	0.290468	Y
5	ICIS 410-323735/16	50.0	14.724521	50.0	1319829.0	0.29449	Y
6	IC 410-323735/17	100.0	29.052672	50.0	1301123.0	0.290527	Y
7	IC 410-323735/18	300.0	86.653604	50.0	1307293.0	0.288845	Y



Calibration / Acrolein

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

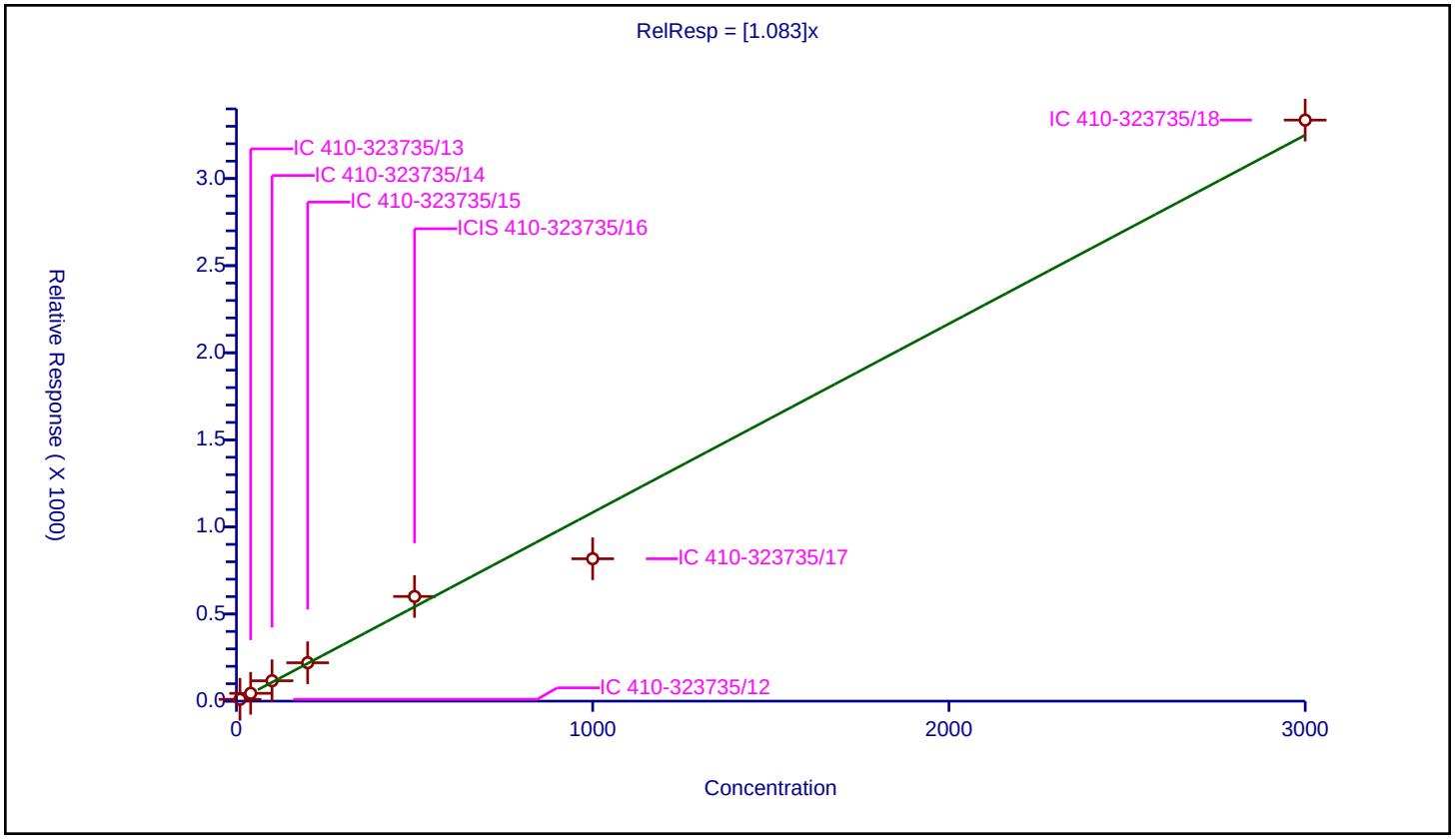
Curve Coefficients

Intercept:	0
Slope:	1.083

Error Coefficients

Standard Error:	3140000
Relative Standard Error:	11.7
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	9.999638	10.545689	250.0	541572.0	1.054607	Y
2	IC 410-323735/13	39.998553	44.945559	250.0	510640.0	1.12368	Y
3	IC 410-323735/14	99.996382	117.093328	250.0	496100.0	1.170976	Y
4	IC 410-323735/15	199.992764	220.40671	250.0	526665.0	1.102073	Y
5	ICIS 410-323735/16	499.981909	601.000204	250.0	543239.0	1.202044	Y
6	IC 410-323735/17	999.963818	817.378087	250.0	536532.0	0.817408	Y
7	IC 410-323735/18	2999.891455	3335.607926	250.0	551161.0	1.11191	Y



Calibration / 1,1-Dichloroethene

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

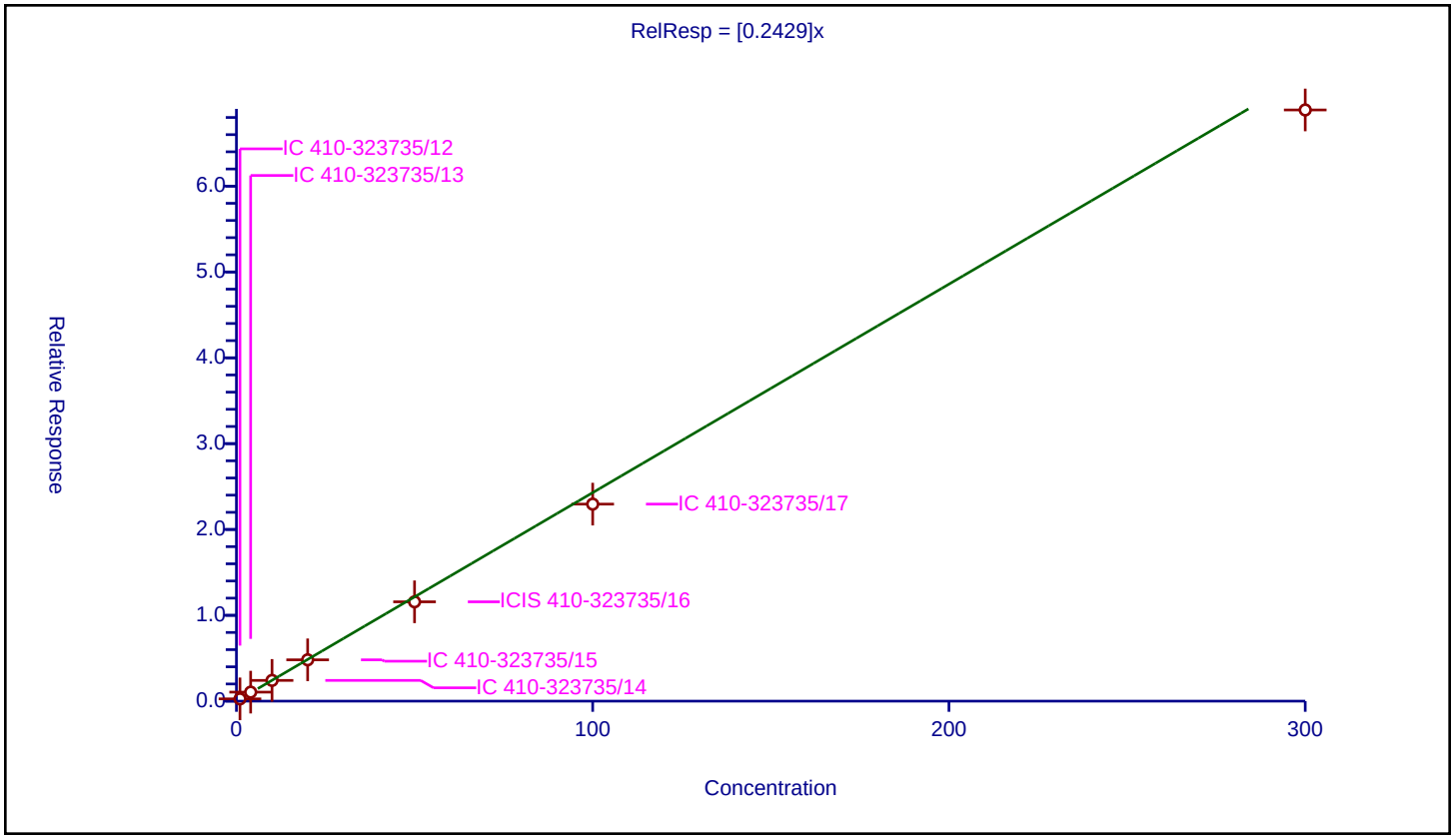
Curve Coefficients

Intercept:	0
Slope:	0.2429

Error Coefficients

Standard Error:	787000
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 410-323735/12	1.0	0.265401	50.0	1283340.0	0.265401	Y
2	IC 410-323735/13	4.0	1.04908	50.0	1302951.0	0.26227	Y
3	IC 410-323735/14	10.0	2.414522	50.0	1296302.0	0.241452	Y
4	IC 410-323735/15	20.0	4.812793	50.0	1283662.0	0.24064	Y
5	ICIS 410-323735/16	50.0	11.572408	50.0	1319829.0	0.231448	Y
6	IC 410-323735/17	100.0	22.954171	50.0	1301123.0	0.229542	Y
7	IC 410-323735/18	300.0	68.876067	50.0	1307293.0	0.229587	Y



Calibration / Acetone

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

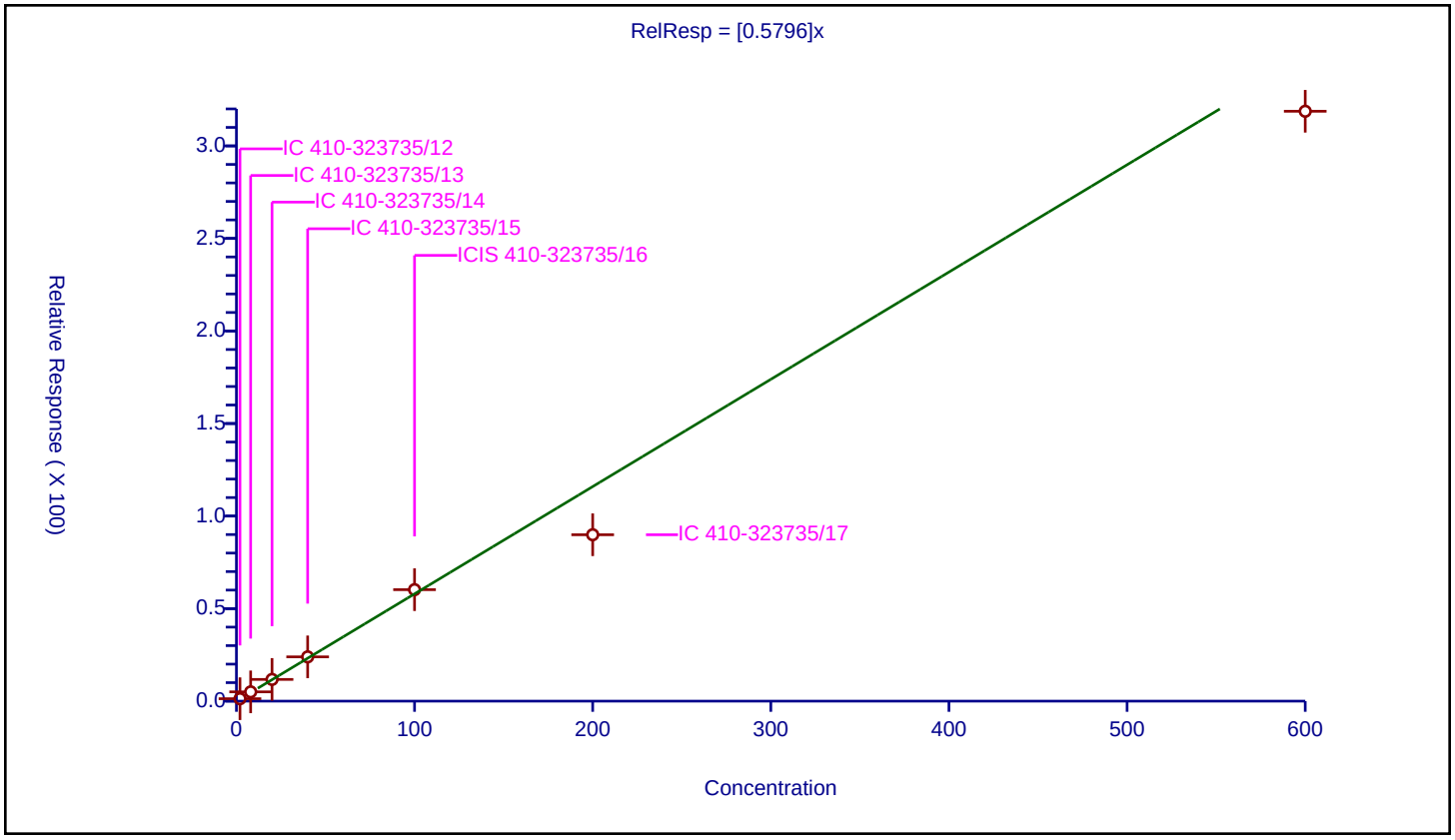
Curve Coefficients

Intercept:	0
Slope:	0.5796

Error Coefficients

Standard Error:	303000
Relative Standard Error:	12.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	2.0	1.323462	250.0	541572.0	0.661731	Y
2	IC 410-323735/13	8.0	5.02164	250.0	510640.0	0.627705	Y
3	IC 410-323735/14	20.0	11.72949	250.0	496100.0	0.586475	Y
4	IC 410-323735/15	40.0	23.922702	250.0	526665.0	0.598068	Y
5	ICIS 410-323735/16	100.0	60.237299	250.0	543239.0	0.602373	Y
6	IC 410-323735/17	200.0	89.912624	250.0	536532.0	0.449563	Y
7	IC 410-323735/18	600.0	318.718578	250.0	551161.0	0.531198	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

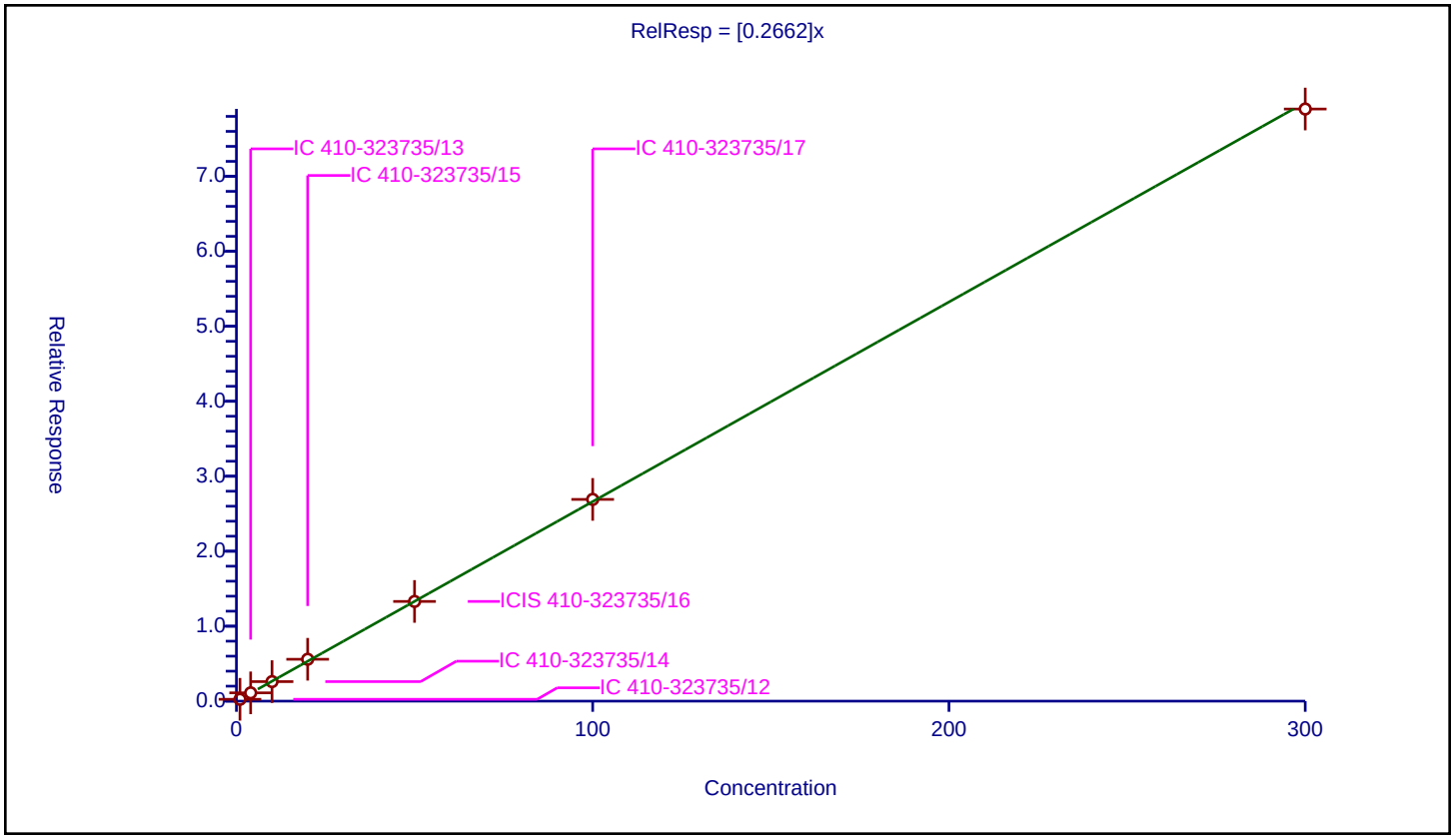
Curve Coefficients

Intercept:	0
Slope:	0.2662

Error Coefficients

Standard Error:	904000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.248375	50.0	1283340.0	0.248375	Y
2	IC 410-323735/13	4.0	1.10764	50.0	1302951.0	0.27691	Y
3	IC 410-323735/14	10.0	2.605026	50.0	1296302.0	0.260503	Y
4	IC 410-323735/15	20.0	5.585544	50.0	1283662.0	0.279277	Y
5	ICIS 410-323735/16	50.0	13.299791	50.0	1319829.0	0.265996	Y
6	IC 410-323735/17	100.0	26.911061	50.0	1301123.0	0.269111	Y
7	IC 410-323735/18	300.0	78.981911	50.0	1307293.0	0.263273	Y



Calibration / Iodomethane

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

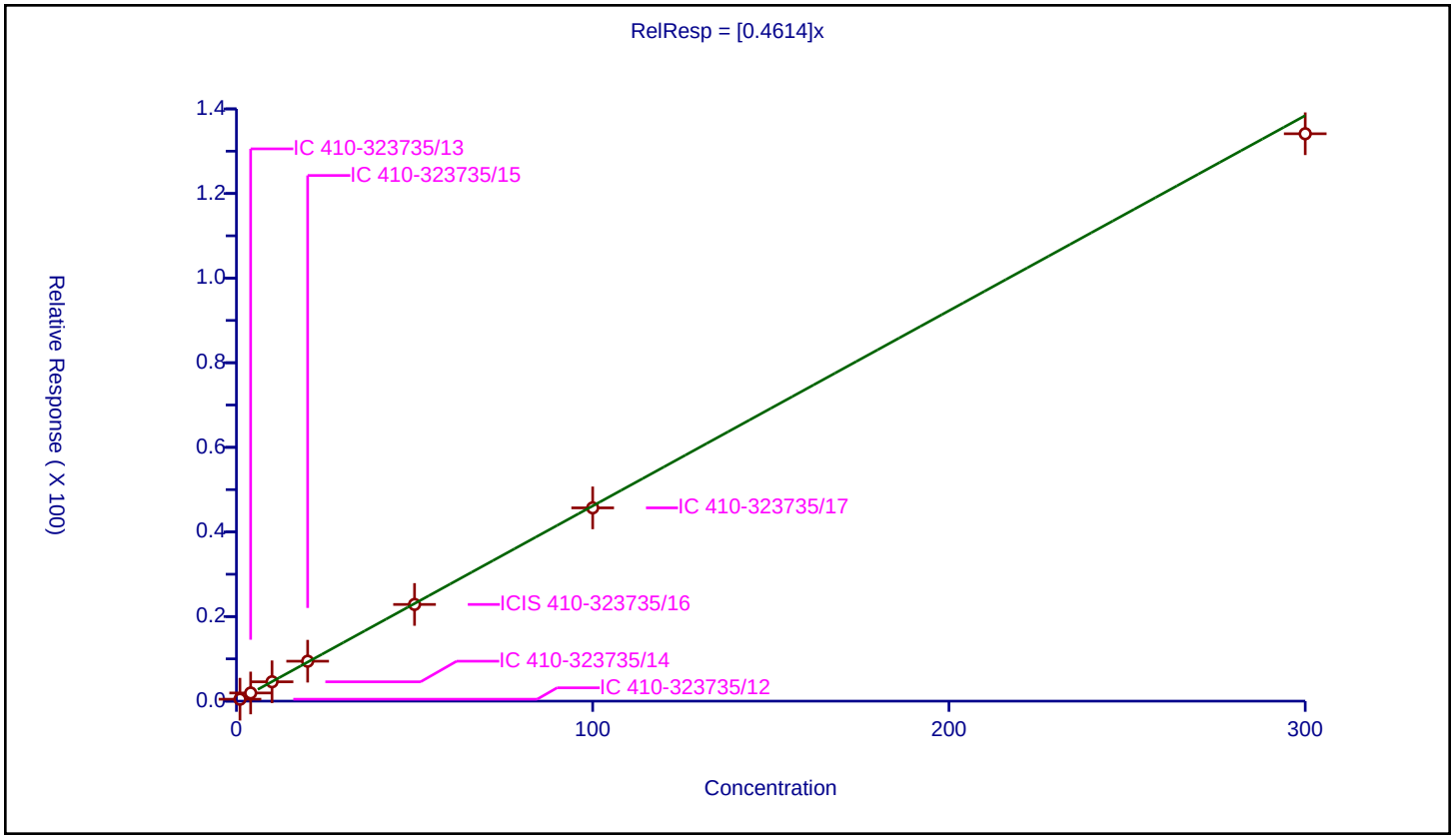
Curve Coefficients

Intercept:	0
Slope:	0.4614

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.457673	50.0	1283340.0	0.457673	Y
2	IC 410-323735/13	4.0	1.9282	50.0	1302951.0	0.48205	Y
3	IC 410-323735/14	10.0	4.572314	50.0	1296302.0	0.457231	Y
4	IC 410-323735/15	20.0	9.437609	50.0	1283662.0	0.47188	Y
5	ICIS 410-323735/16	50.0	22.85493	50.0	1319829.0	0.457099	Y
6	IC 410-323735/17	100.0	45.689608	50.0	1301123.0	0.456896	Y
7	IC 410-323735/18	300.0	134.128577	50.0	1307293.0	0.447095	Y



Calibration / Isopropyl alcohol

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

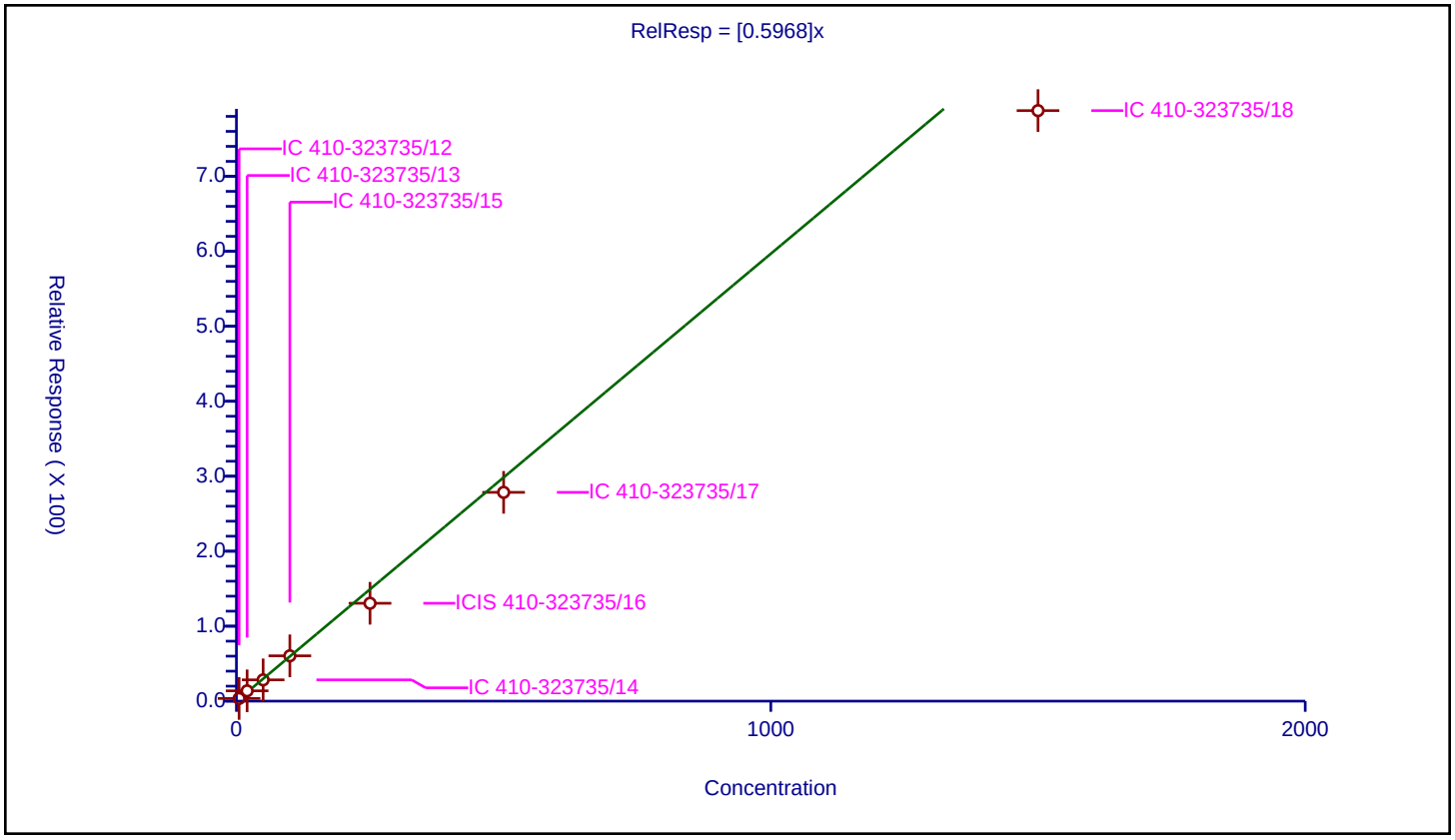
Curve Coefficients

Intercept:	0
Slope:	0.5968

Error Coefficients

Standard Error:	761000
Relative Standard Error:	12.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	5.0	3.570624	250.0	541572.0	0.714125	Y
2	IC 410-323735/13	20.0	13.738642	250.0	510640.0	0.686932	Y
3	IC 410-323735/14	50.0	28.363233	250.0	496100.0	0.567265	Y
4	IC 410-323735/15	100.0	60.458736	250.0	526665.0	0.604587	Y
5	ICIS 410-323735/16	250.0	130.550273	250.0	543239.0	0.522201	Y
6	IC 410-323735/17	500.0	278.516472	250.0	536532.0	0.557033	Y
7	IC 410-323735/18	1500.0	787.701779	250.0	551161.0	0.525135	Y



Calibration / Carbon disulfide

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

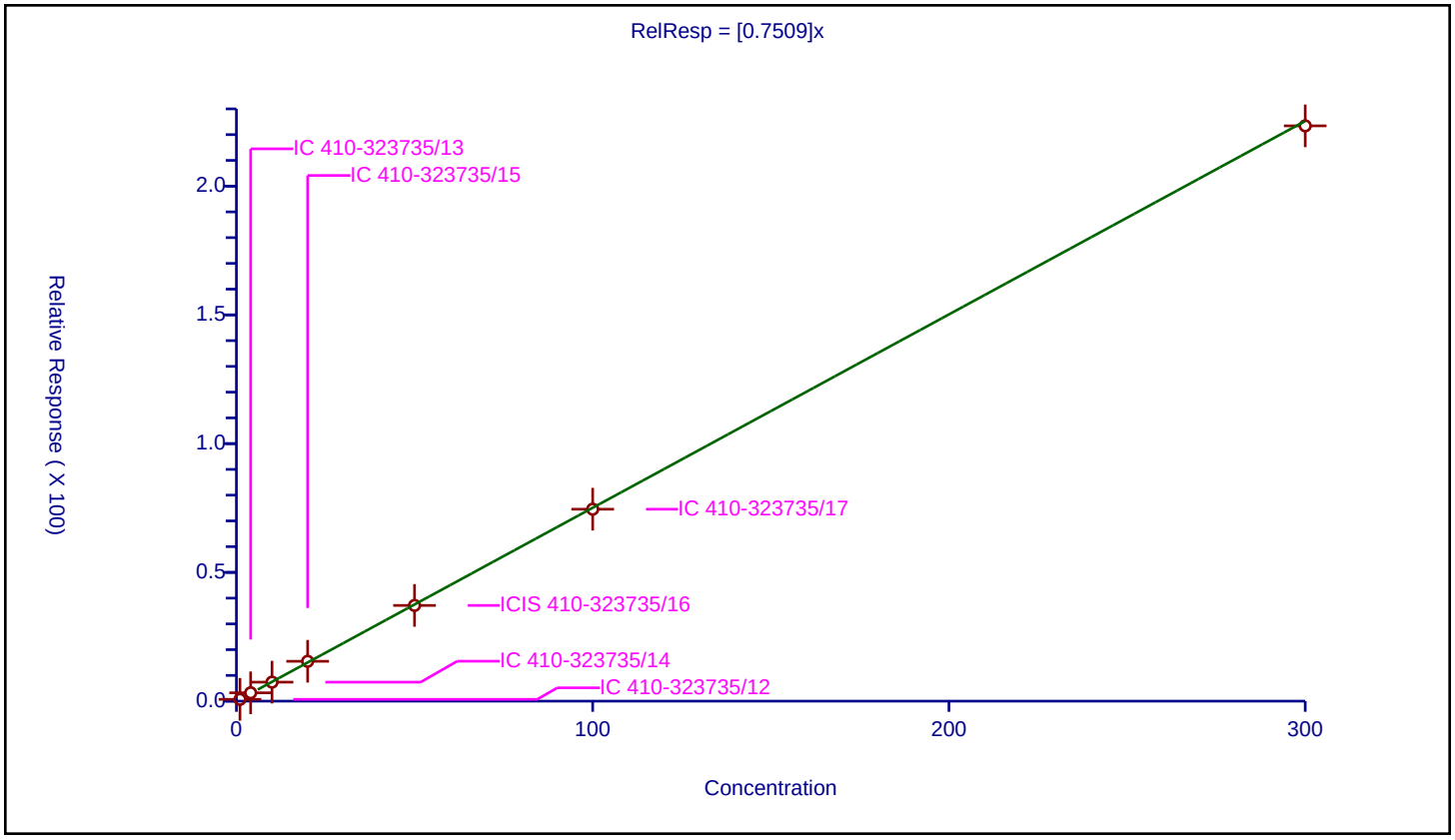
Curve Coefficients

Intercept:	0
Slope:	0.7509

Error Coefficients

Standard Error:	2550000
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 410-323735/12	1.0	0.69923	50.0	1283340.0	0.69923	Y
2	IC 410-323735/13	4.0	3.246899	50.0	1302951.0	0.811725	Y
3	IC 410-323735/14	10.0	7.379415	50.0	1296302.0	0.737941	Y
4	IC 410-323735/15	20.0	15.481801	50.0	1283662.0	0.77409	Y
5	ICIS 410-323735/16	50.0	37.165004	50.0	1319829.0	0.7433	Y
6	IC 410-323735/17	100.0	74.538649	50.0	1301123.0	0.745386	Y
7	IC 410-323735/18	300.0	223.406574	50.0	1307293.0	0.744689	Y



Calibration / Methyl acetate

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

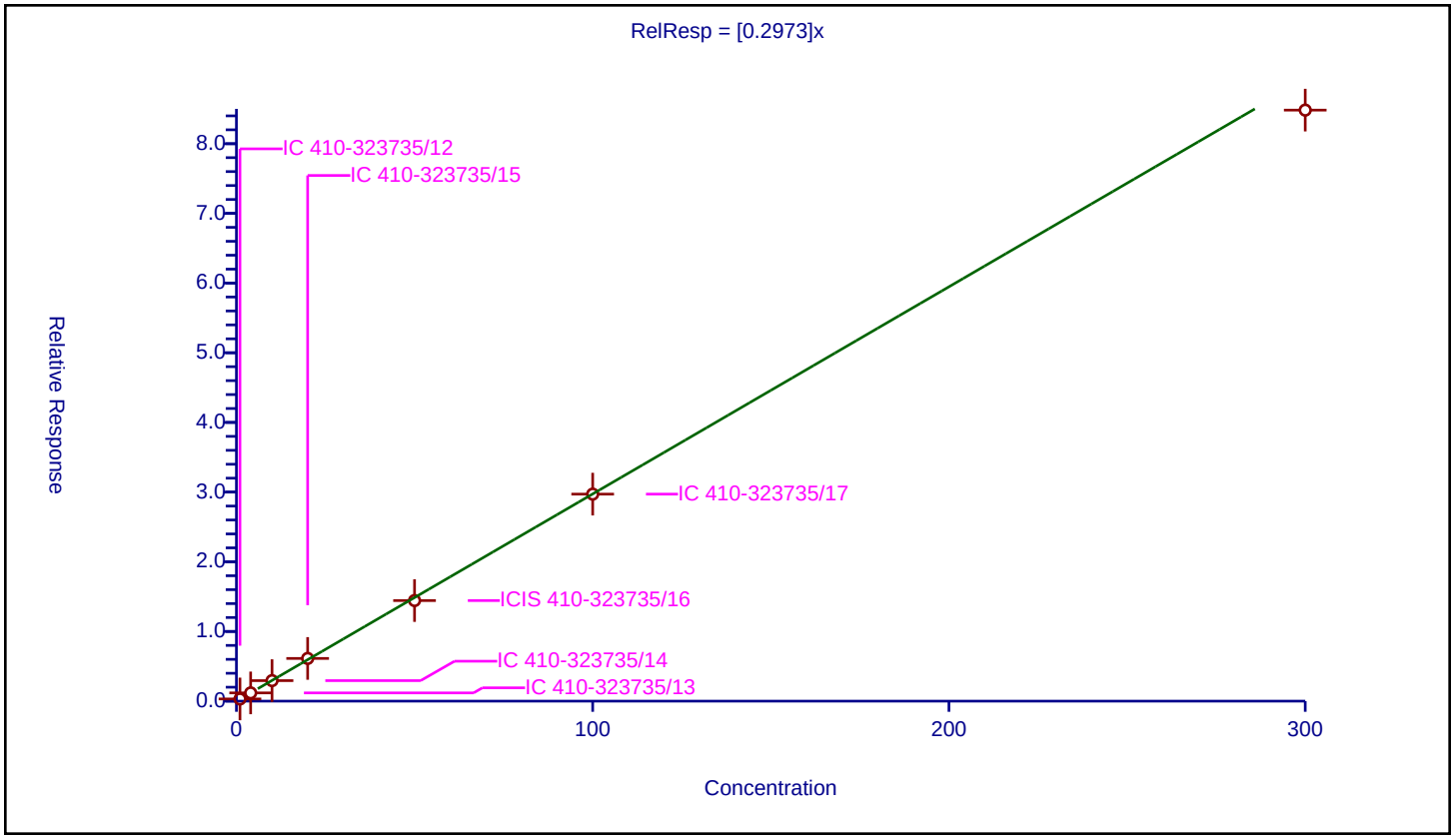
Curve Coefficients

Intercept:	0
Slope:	0.2973

Error Coefficients

Standard Error:	974000
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 410-323735/12	1.0	0.315894	50.0	1283340.0	0.315894	Y
2	IC 410-323735/13	4.0	1.183889	50.0	1302951.0	0.295972	Y
3	IC 410-323735/14	10.0	2.94534	50.0	1296302.0	0.294534	Y
4	IC 410-323735/15	20.0	6.1293	50.0	1283662.0	0.306465	Y
5	ICIS 410-323735/16	50.0	14.434143	50.0	1319829.0	0.288683	Y
6	IC 410-323735/17	100.0	29.712487	50.0	1301123.0	0.297125	Y
7	IC 410-323735/18	300.0	84.825131	50.0	1307293.0	0.28275	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

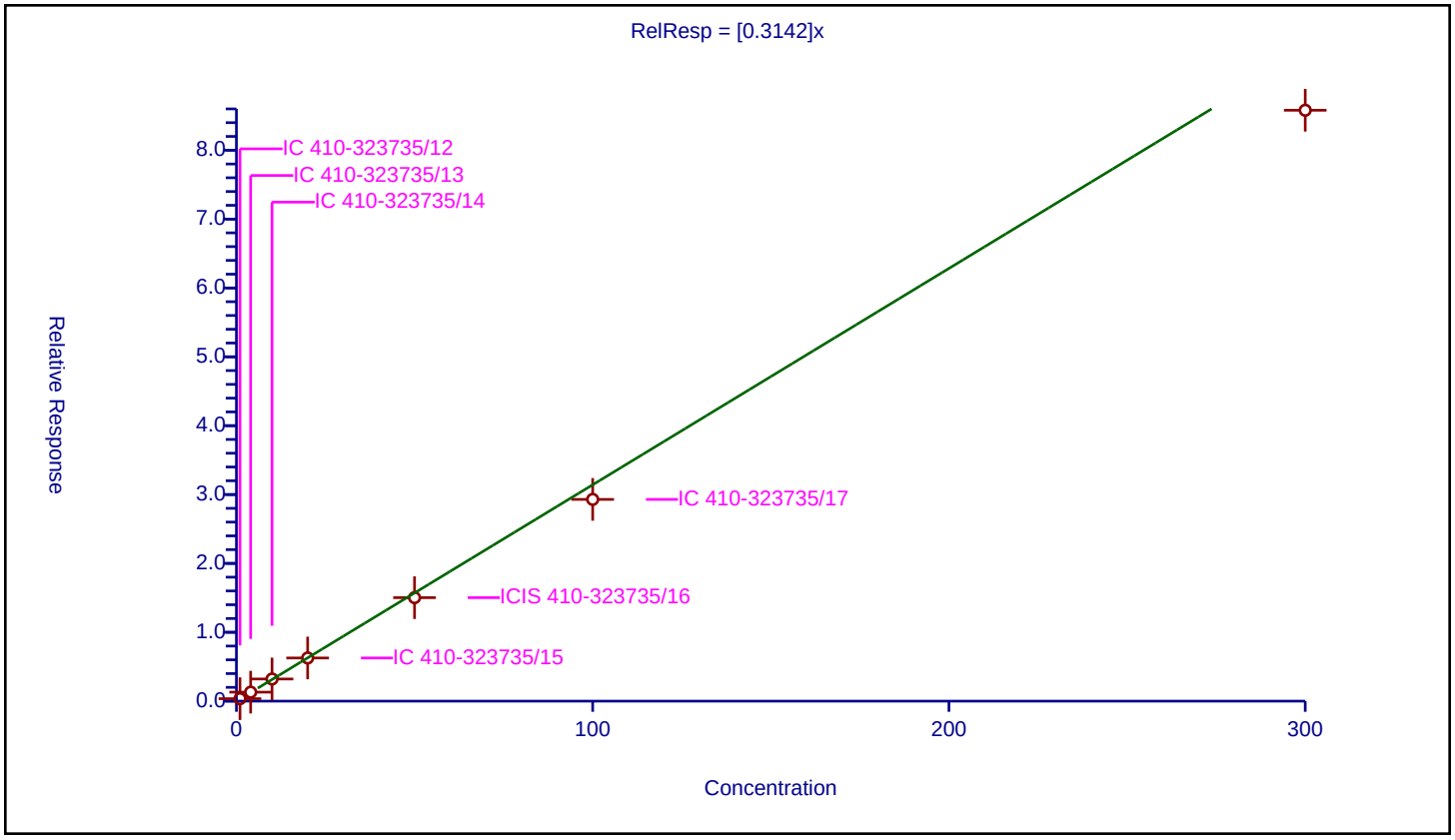
Curve Coefficients

Intercept:	0
Slope:	0.3142

Error Coefficients

Standard Error:	984000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.358245	50.0	1283340.0	0.358245	Y
2	IC 410-323735/13	4.0	1.30688	50.0	1302951.0	0.32672	Y
3	IC 410-323735/14	10.0	3.215069	50.0	1296302.0	0.321507	Y
4	IC 410-323735/15	20.0	6.26598	50.0	1283662.0	0.313299	Y
5	ICIS 410-323735/16	50.0	15.026341	50.0	1319829.0	0.300527	Y
6	IC 410-323735/17	100.0	29.294617	50.0	1301123.0	0.292946	Y
7	IC 410-323735/18	300.0	85.801423	50.0	1307293.0	0.286005	Y



Calibration / Methylene Chloride

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

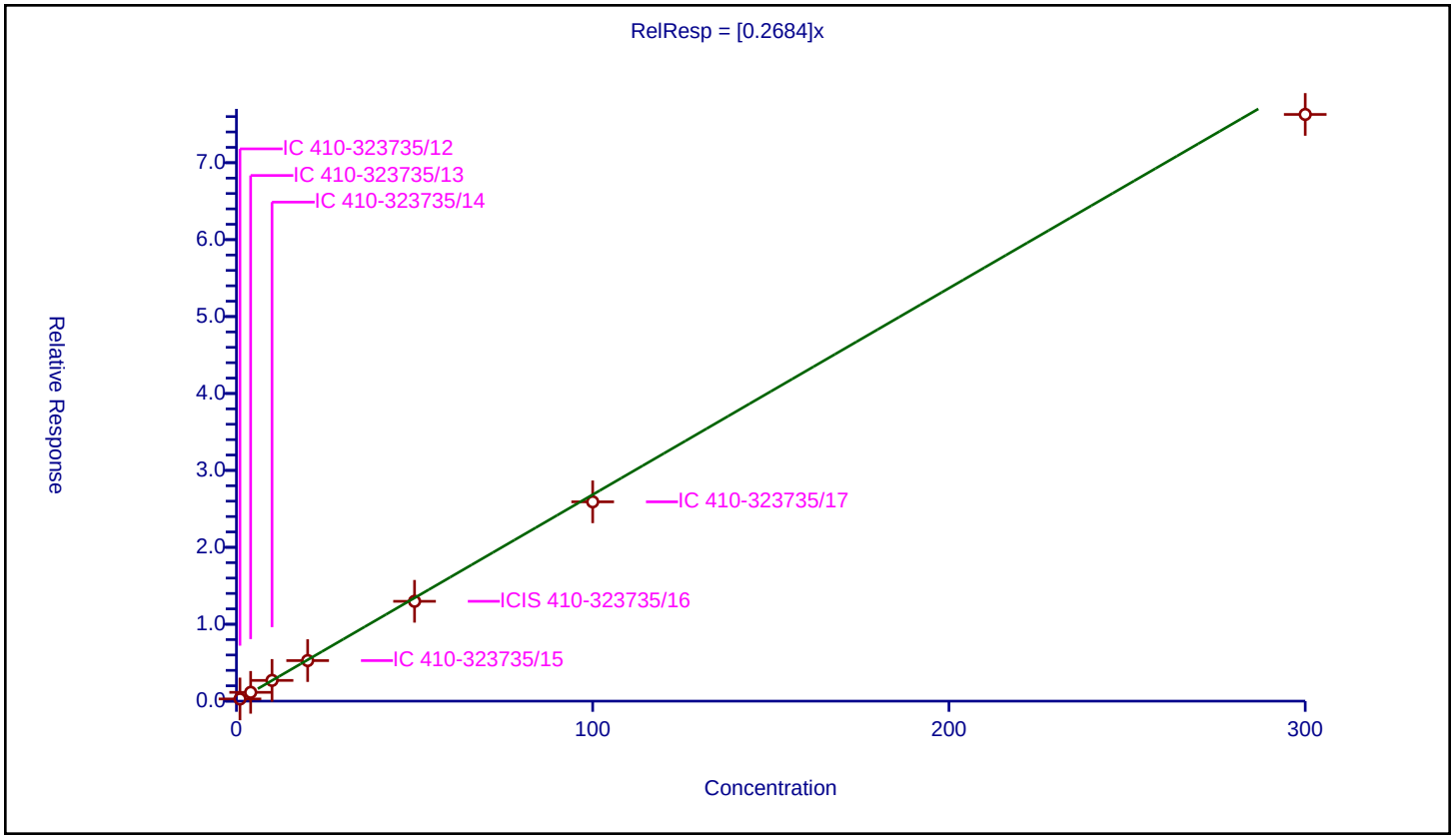
Curve Coefficients

Intercept:	0
Slope:	0.2684

Error Coefficients

Standard Error:	873000
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 410-323735/12	1.0	0.286908	50.0	1283340.0	0.286908	Y
2	IC 410-323735/13	4.0	1.143635	50.0	1302951.0	0.285909	Y
3	IC 410-323735/14	10.0	2.69617	50.0	1296302.0	0.269617	Y
4	IC 410-323735/15	20.0	5.272767	50.0	1283662.0	0.263638	Y
5	ICIS 410-323735/16	50.0	12.980356	50.0	1319829.0	0.259607	Y
6	IC 410-323735/17	100.0	25.912769	50.0	1301123.0	0.259128	Y
7	IC 410-323735/18	300.0	76.280451	50.0	1307293.0	0.254268	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

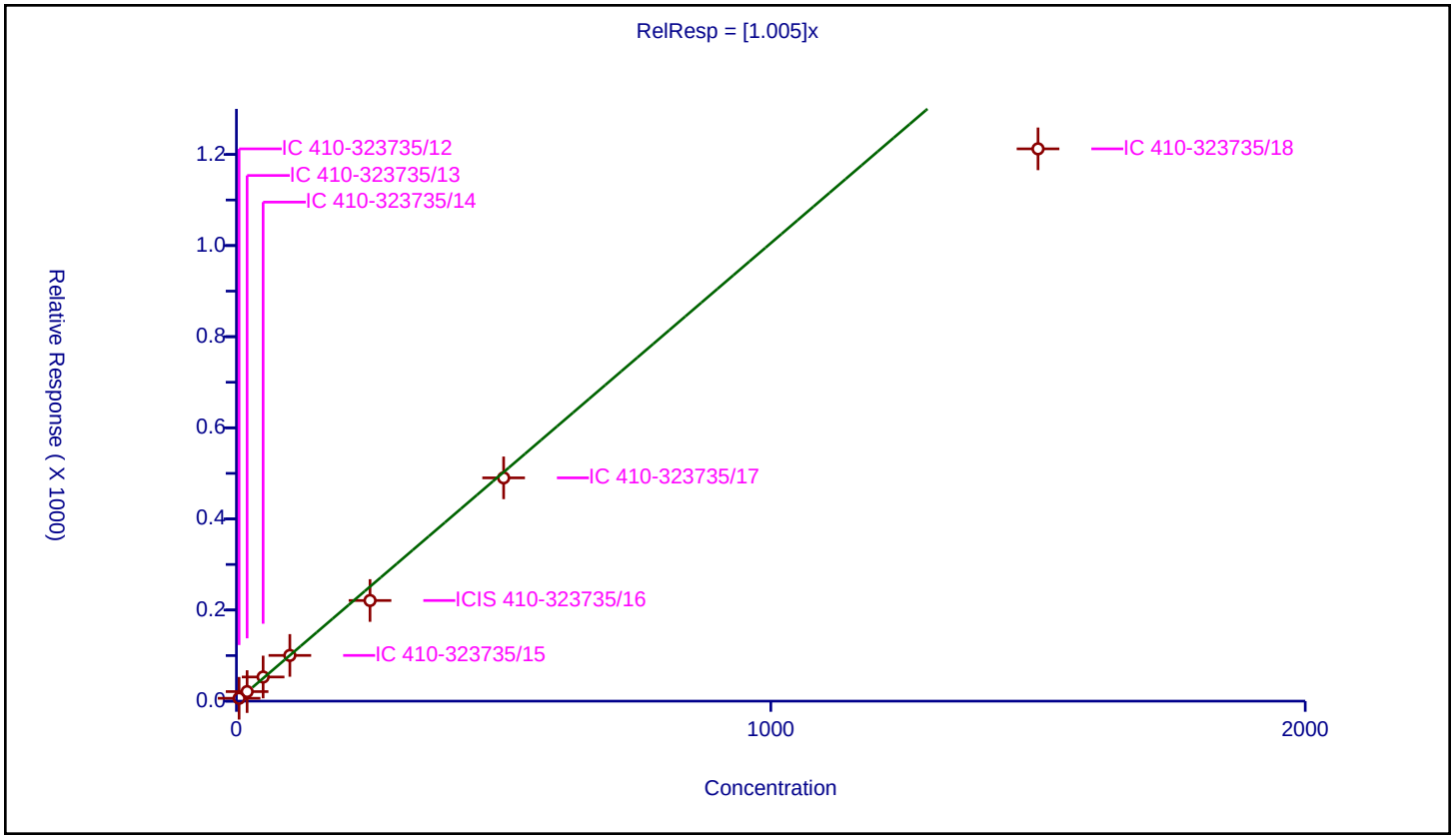
Curve Coefficients

Intercept:	0
Slope:	1.005

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	14.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	5.0	6.272019	250.0	541572.0	1.254404	Y
2	IC 410-323735/13	20.0	20.945774	250.0	510640.0	1.047289	Y
3	IC 410-323735/14	50.0	52.992844	250.0	496100.0	1.059857	Y
4	IC 410-323735/15	100.0	100.369305	250.0	526665.0	1.003693	Y
5	ICIS 410-323735/16	250.0	220.883442	250.0	543239.0	0.883534	Y
6	IC 410-323735/17	500.0	490.115687	250.0	536532.0	0.980231	Y
7	IC 410-323735/18	1500.0	1212.31319	250.0	551161.0	0.808209	Y



Calibration / Acrylonitrile

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

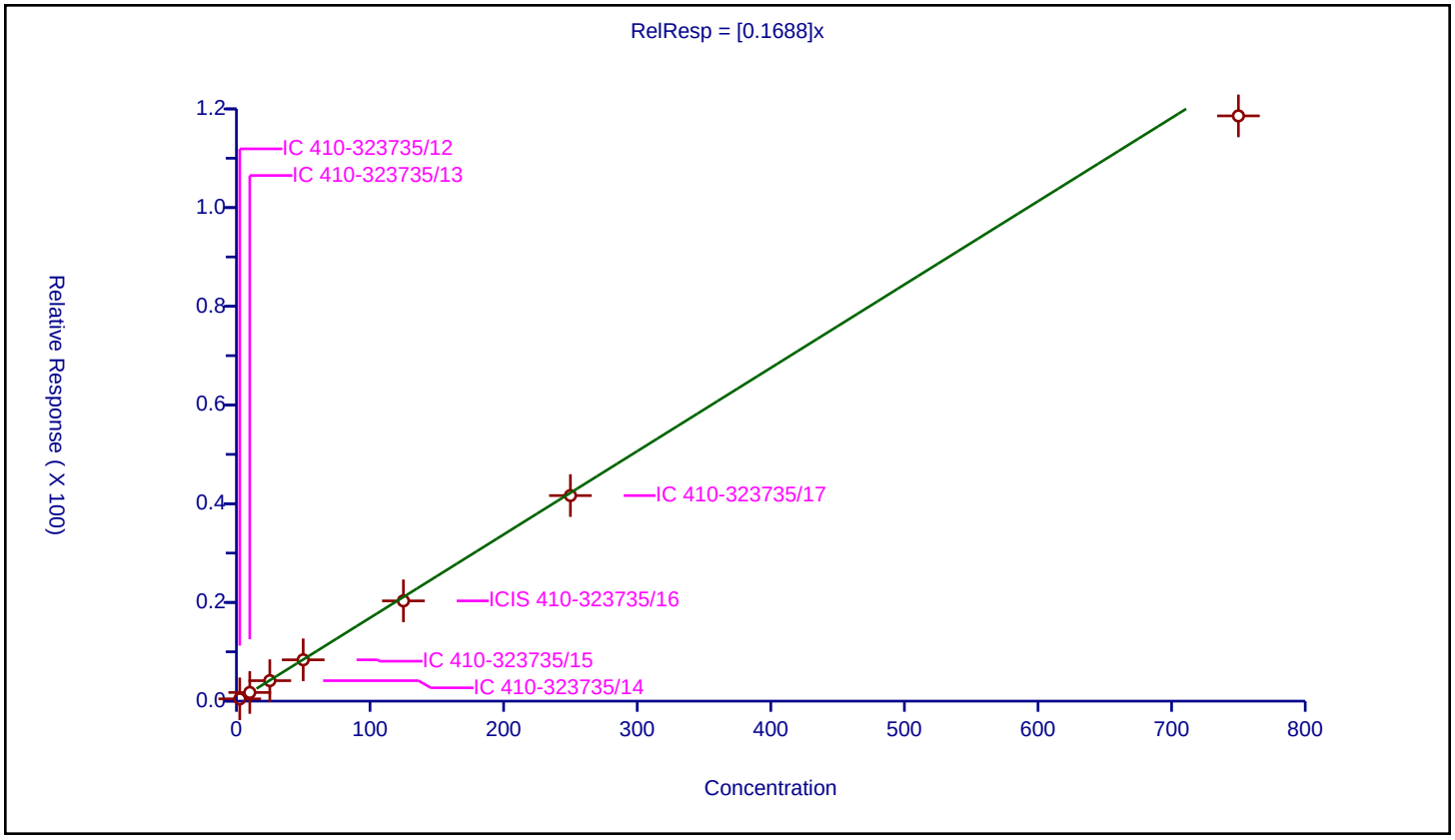
Curve Coefficients

Intercept:	0
Slope:	0.1688

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	2.5	0.464024	50.0	1283340.0	0.185609	Y
2	IC 410-323735/13	10.0	1.754364	50.0	1302951.0	0.175436	Y
3	IC 410-323735/14	25.0	4.147915	50.0	1296302.0	0.165917	Y
4	IC 410-323735/15	50.0	8.371129	50.0	1283662.0	0.167423	Y
5	ICIS 410-323735/16	125.0	20.317367	50.0	1319829.0	0.162539	Y
6	IC 410-323735/17	250.0	41.655478	50.0	1301123.0	0.166622	Y
7	IC 410-323735/18	750.0	118.588411	50.0	1307293.0	0.158118	Y



Calibration / Methyl tert-butyl ether

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

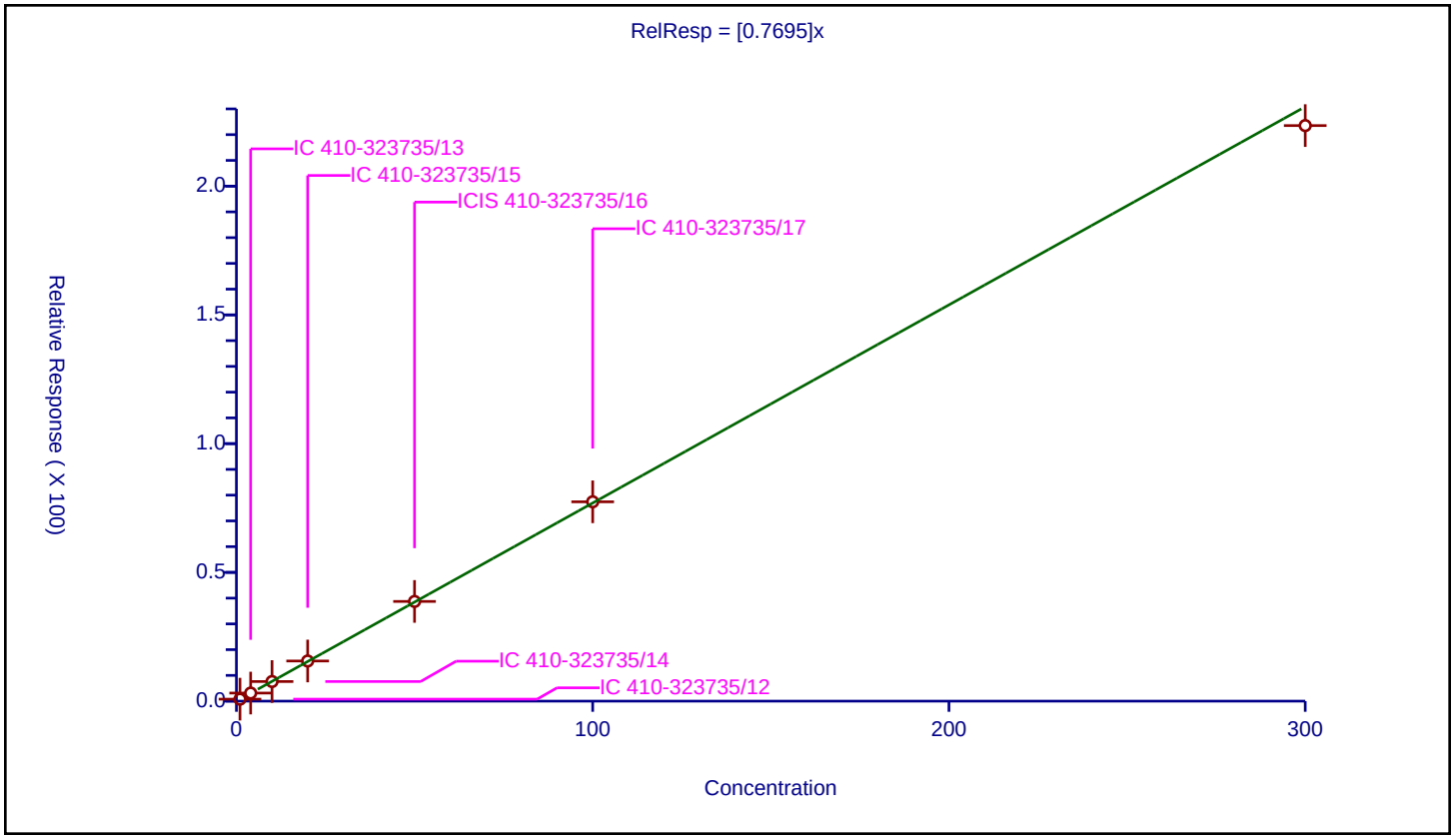
Curve Coefficients

Intercept:	0
Slope:	0.7695

Error Coefficients

Standard Error:	2560000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.767295	50.0	1283340.0	0.767295	Y
2	IC 410-323735/13	4.0	3.134807	50.0	1302951.0	0.783702	Y
3	IC 410-323735/14	10.0	7.621642	50.0	1296302.0	0.762164	Y
4	IC 410-323735/15	20.0	15.588138	50.0	1283662.0	0.779407	Y
5	ICIS 410-323735/16	50.0	38.718917	50.0	1319829.0	0.774378	Y
6	IC 410-323735/17	100.0	77.418661	50.0	1301123.0	0.774187	Y
7	IC 410-323735/18	300.0	223.517375	50.0	1307293.0	0.745058	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

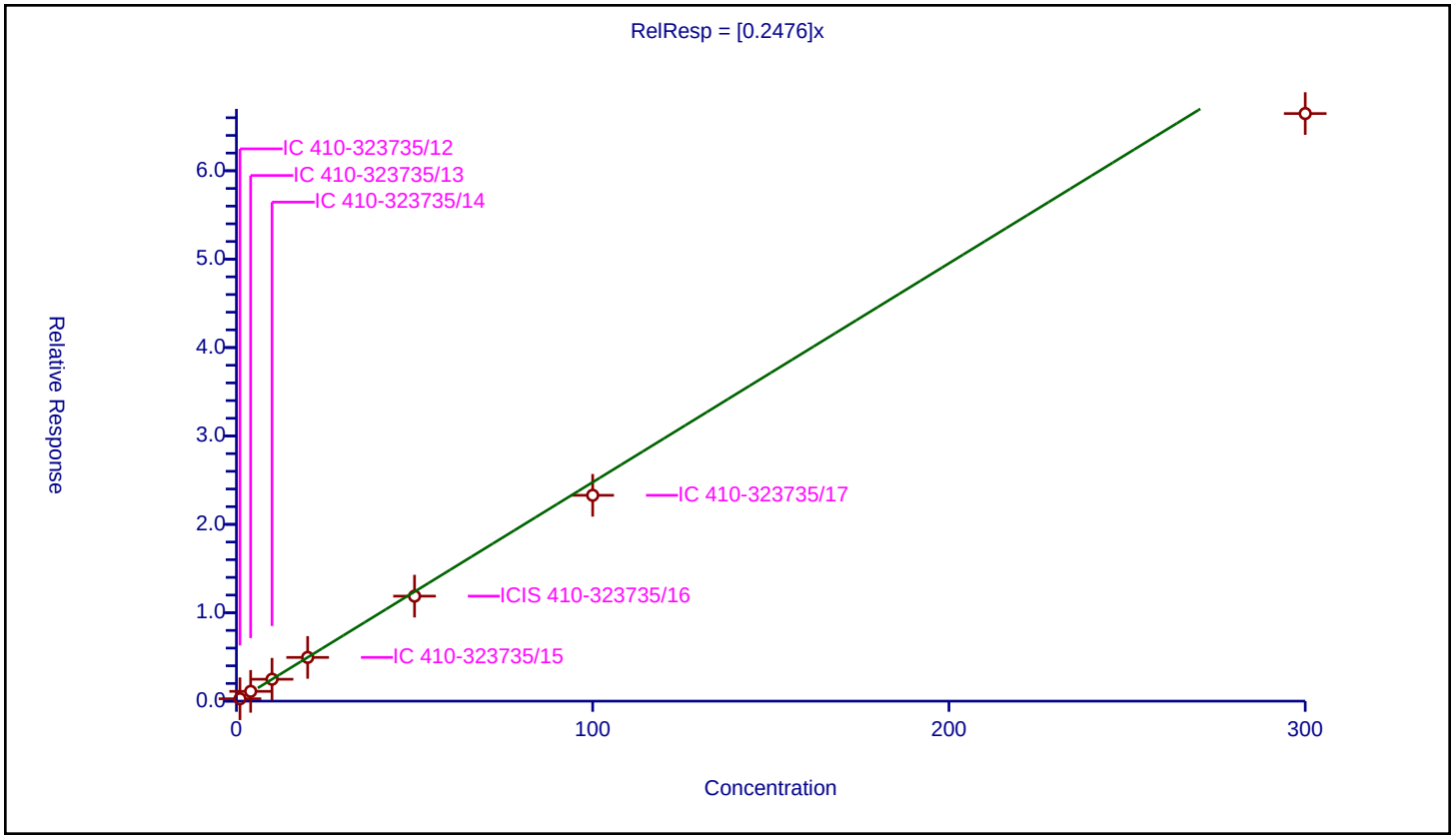
Curve Coefficients

Intercept:	0
Slope:	0.2476

Error Coefficients

Standard Error:	765000
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 410-323735/12	1.0	0.269219	50.0	1283340.0	0.269219	Y
2	IC 410-323735/13	4.0	1.108177	50.0	1302951.0	0.277044	Y
3	IC 410-323735/14	10.0	2.478551	50.0	1296302.0	0.247855	Y
4	IC 410-323735/15	20.0	4.946785	50.0	1283662.0	0.247339	Y
5	ICIS 410-323735/16	50.0	11.878319	50.0	1319829.0	0.237566	Y
6	IC 410-323735/17	100.0	23.287652	50.0	1301123.0	0.232877	Y
7	IC 410-323735/18	300.0	66.472245	50.0	1307293.0	0.221574	Y



Calibration / Hexane

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

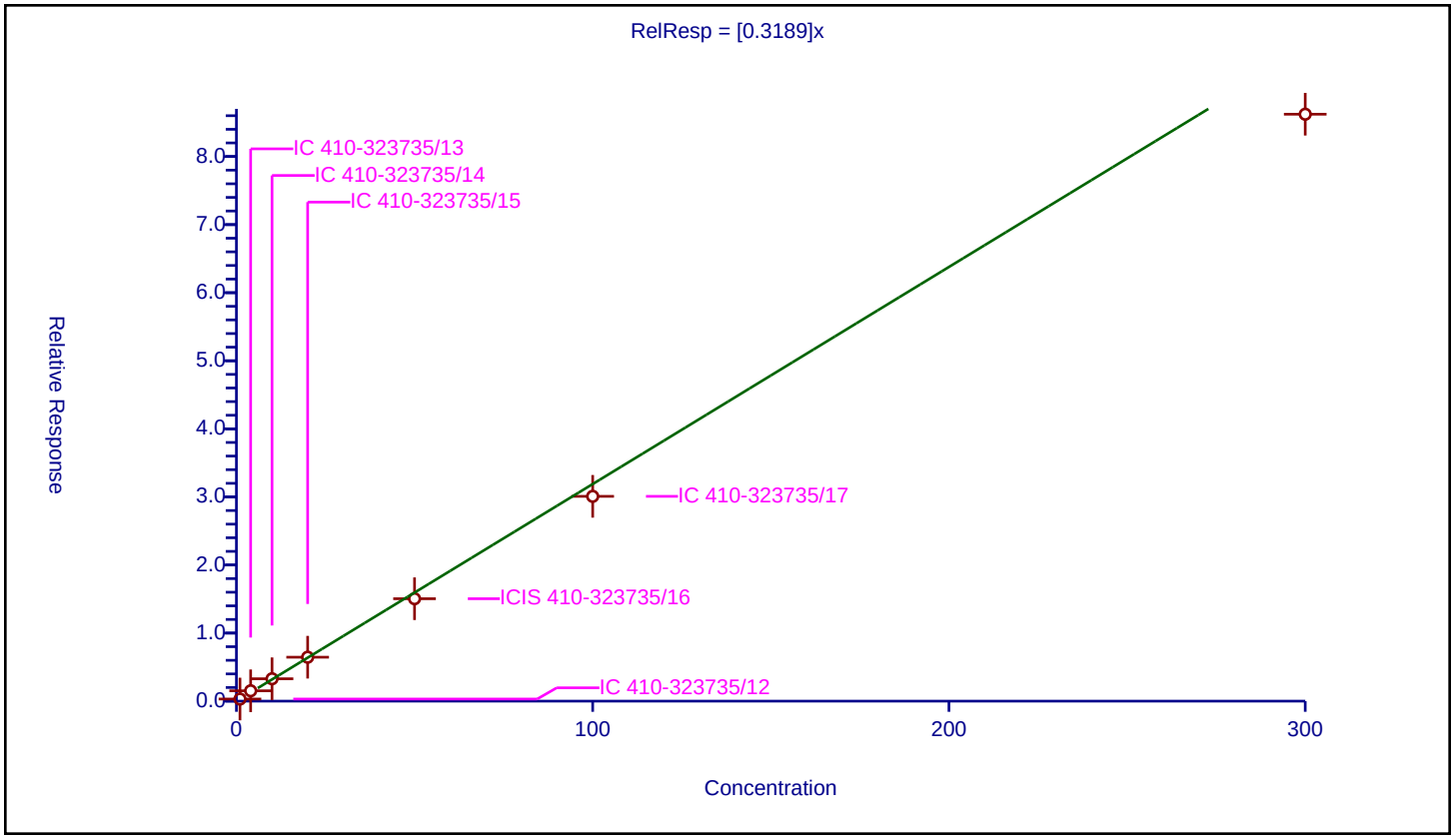
Curve Coefficients

Intercept:	0
Slope:	0.3189

Error Coefficients

Standard Error:	991000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.31118	50.0	1283340.0	0.31118	Y
2	IC 410-323735/13	4.0	1.521661	50.0	1302951.0	0.380415	Y
3	IC 410-323735/14	10.0	3.287853	50.0	1296302.0	0.328785	Y
4	IC 410-323735/15	20.0	6.455516	50.0	1283662.0	0.322776	Y
5	ICIS 410-323735/16	50.0	15.043843	50.0	1319829.0	0.300877	Y
6	IC 410-323735/17	100.0	30.083974	50.0	1301123.0	0.30084	Y
7	IC 410-323735/18	300.0	86.216977	50.0	1307293.0	0.28739	Y



Calibration / 1,1-Dichloroethane

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

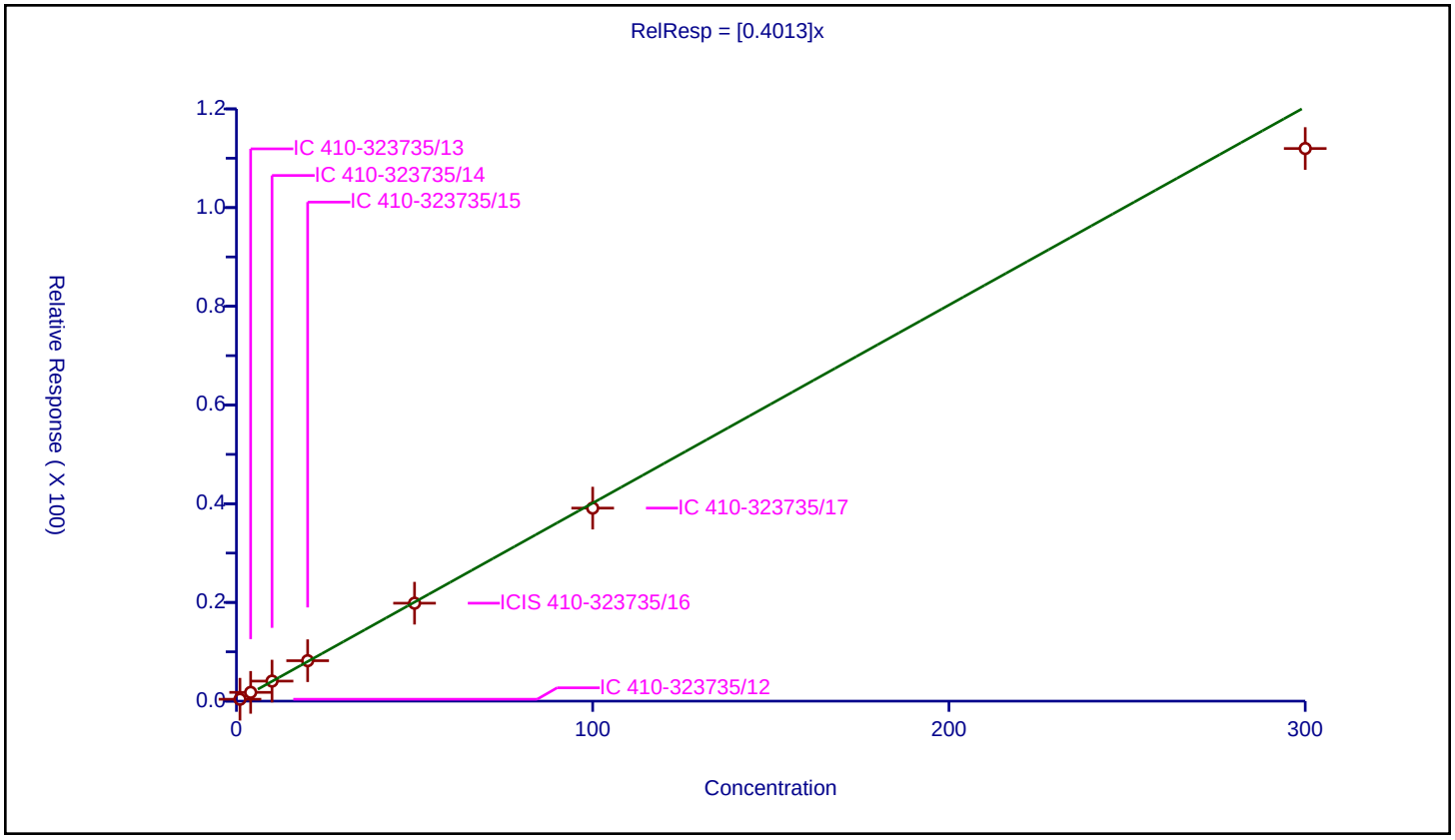
Curve Coefficients

Intercept:	0
Slope:	0.4013

Error Coefficients

Standard Error:	1290000
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 410-323735/12	1.0	0.386842	50.0	1283340.0	0.386842	Y
2	IC 410-323735/13	4.0	1.779652	50.0	1302951.0	0.444913	Y
3	IC 410-323735/14	10.0	4.062055	50.0	1296302.0	0.406205	Y
4	IC 410-323735/15	20.0	8.195421	50.0	1283662.0	0.409771	Y
5	ICIS 410-323735/16	50.0	19.844237	50.0	1319829.0	0.396885	Y
6	IC 410-323735/17	100.0	39.108678	50.0	1301123.0	0.391087	Y
7	IC 410-323735/18	300.0	111.971953	50.0	1307293.0	0.37324	Y



Calibration / Isopropyl ether

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

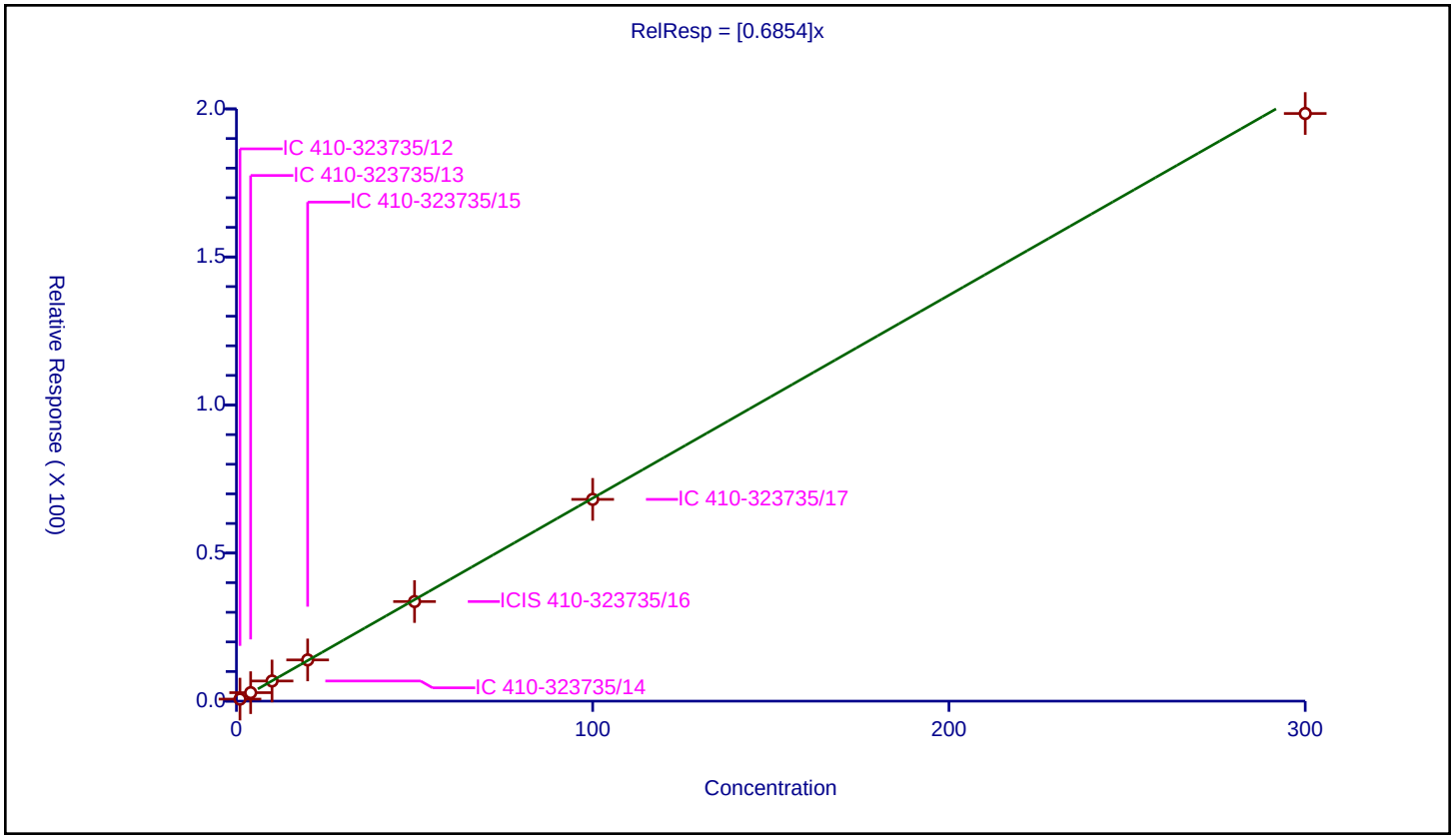
Curve Coefficients

Intercept:	0
Slope:	0.6854

Error Coefficients

Standard Error:	2270000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.690737	50.0	1283340.0	0.690737	Y
2	IC 410-323735/13	4.0	2.860852	50.0	1302951.0	0.715213	Y
3	IC 410-323735/14	10.0	6.803584	50.0	1296302.0	0.680358	Y
4	IC 410-323735/15	20.0	13.915735	50.0	1283662.0	0.695787	Y
5	ICIS 410-323735/16	50.0	33.632311	50.0	1319829.0	0.672646	Y
6	IC 410-323735/17	100.0	68.138485	50.0	1301123.0	0.681385	Y
7	IC 410-323735/18	300.0	198.447288	50.0	1307293.0	0.661491	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

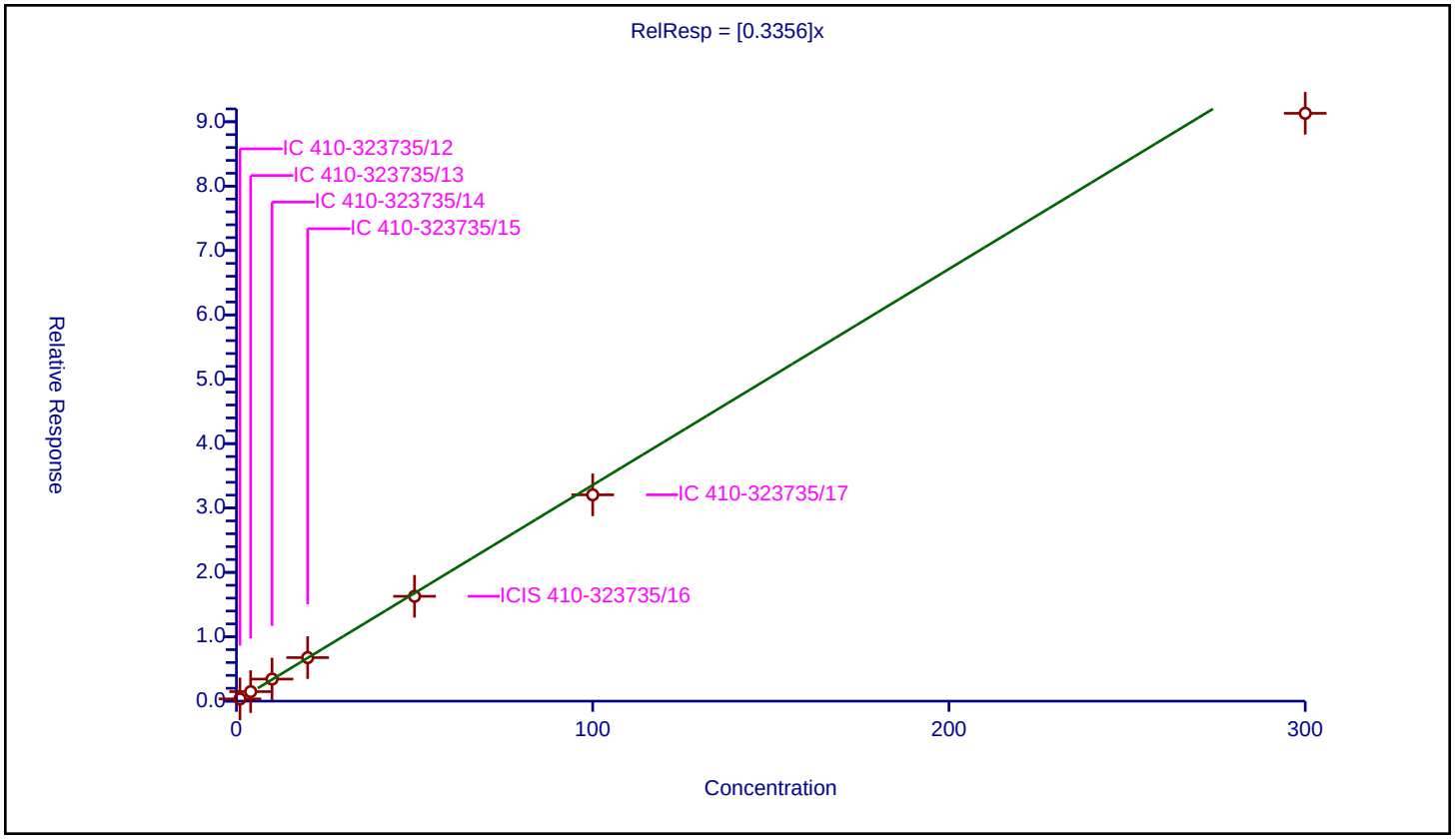
Curve Coefficients

Intercept:	0
Slope:	0.3356

Error Coefficients

Standard Error:	1050000
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 410-323735/12	1.0	0.348622	50.0	1283340.0	0.348622	Y
2	IC 410-323735/13	4.0	1.477109	50.0	1302951.0	0.369277	Y
3	IC 410-323735/14	10.0	3.427442	50.0	1296302.0	0.342744	Y
4	IC 410-323735/15	20.0	6.764203	50.0	1283662.0	0.33821	Y
5	ICIS 410-323735/16	50.0	16.288057	50.0	1319829.0	0.325761	Y
6	IC 410-323735/17	100.0	32.048546	50.0	1301123.0	0.320485	Y
7	IC 410-323735/18	300.0	91.313845	50.0	1307293.0	0.304379	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

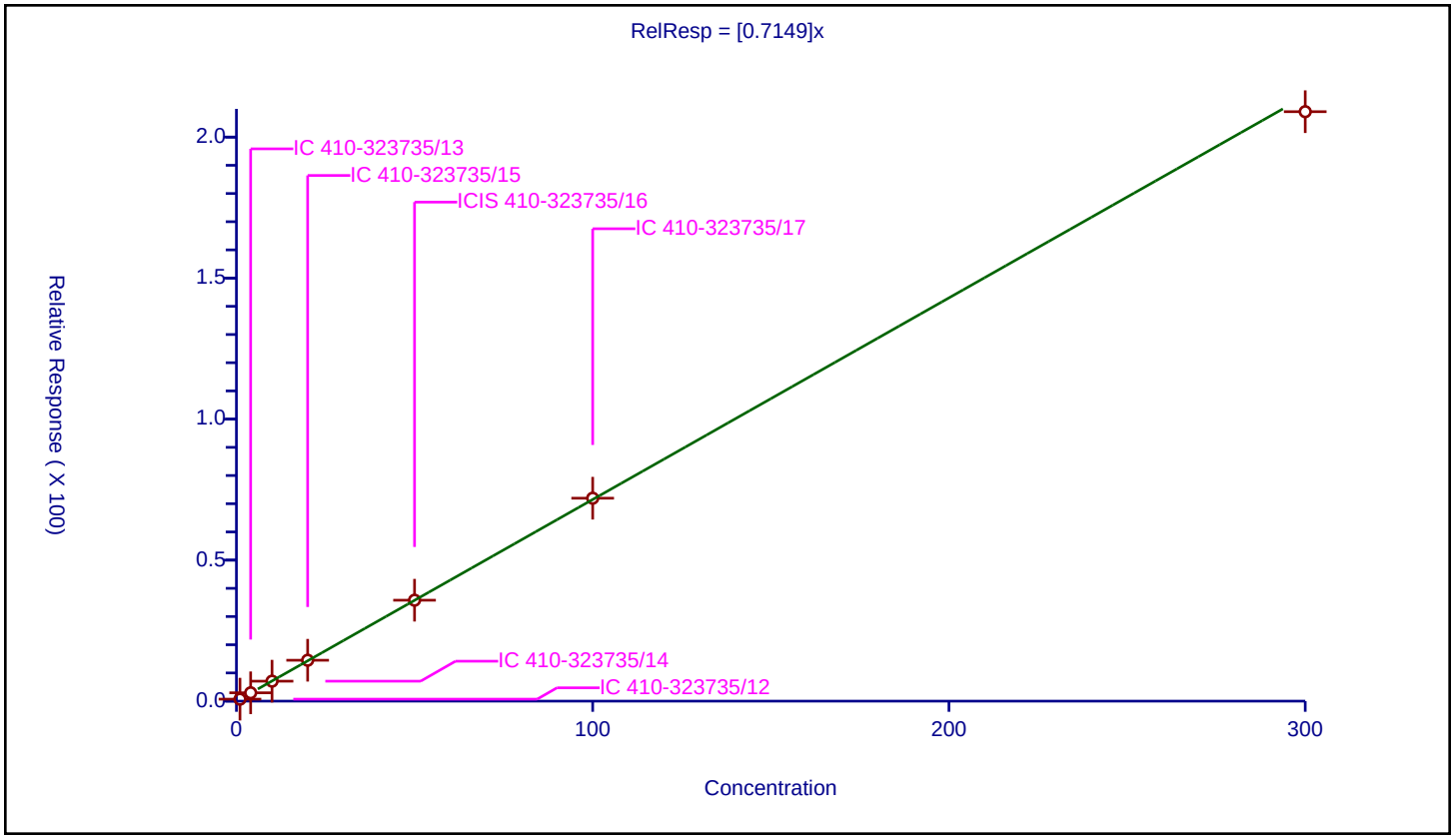
Curve Coefficients

Intercept:	0
Slope:	0.7149

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.699892	50.0	1283340.0	0.699892	Y
2	IC 410-323735/13	4.0	2.957901	50.0	1302951.0	0.739475	Y
3	IC 410-323735/14	10.0	7.08149	50.0	1296302.0	0.708149	Y
4	IC 410-323735/15	20.0	14.502611	50.0	1283662.0	0.725131	Y
5	ICIS 410-323735/16	50.0	35.784712	50.0	1319829.0	0.715694	Y
6	IC 410-323735/17	100.0	71.955534	50.0	1301123.0	0.719555	Y
7	IC 410-323735/18	300.0	209.005288	50.0	1307293.0	0.696684	Y



Calibration / 2-Butanone (MEK)

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

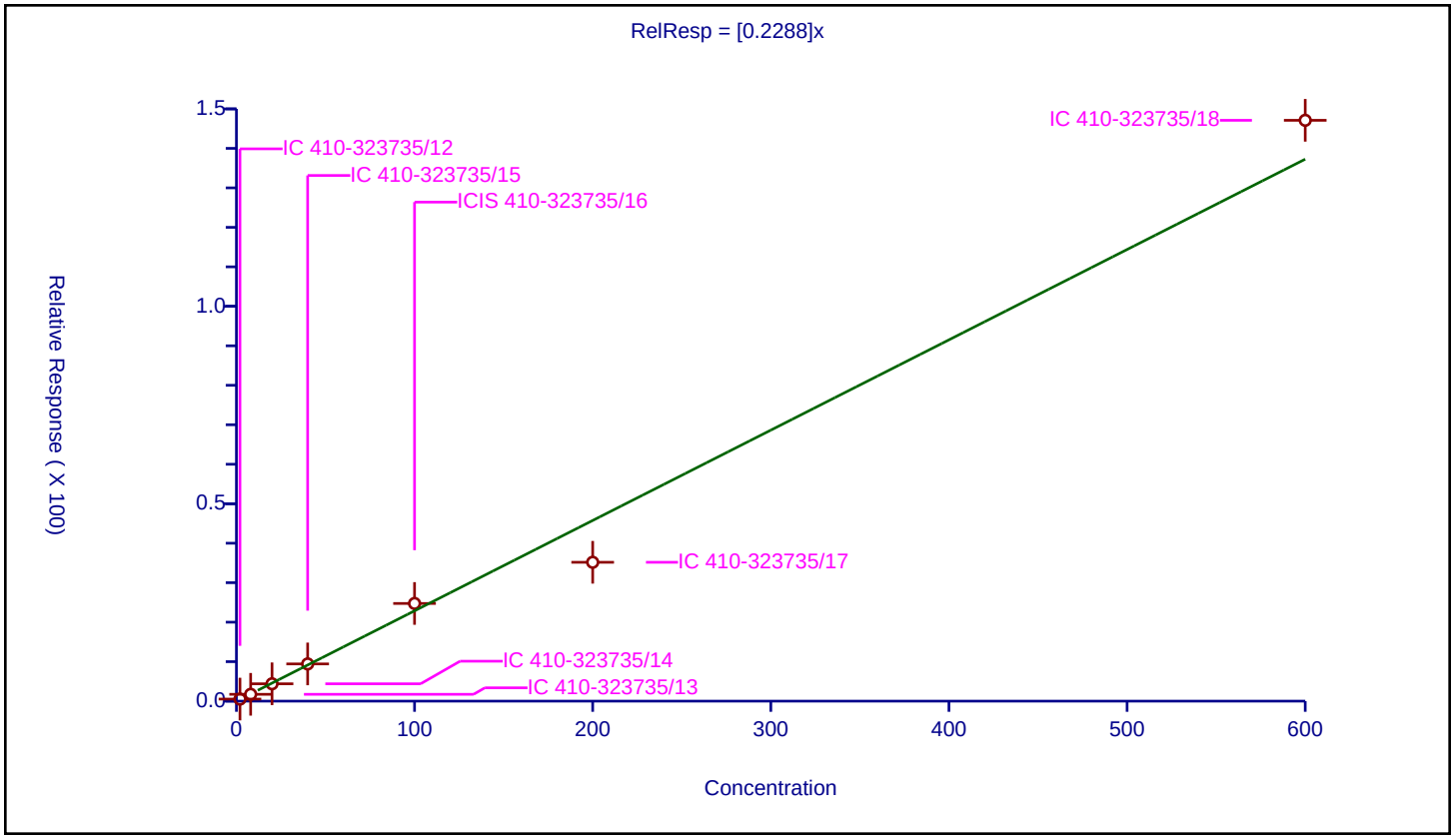
Curve Coefficients

Intercept:	0
Slope:	0.2288

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	12.3
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	2.0	0.521997	50.0	1283340.0	0.260999	Y
2	IC 410-323735/13	8.0	1.733143	50.0	1302951.0	0.216643	Y
3	IC 410-323735/14	20.0	4.392379	50.0	1296302.0	0.219619	Y
4	IC 410-323735/15	40.0	9.429429	50.0	1283662.0	0.235736	Y
5	ICIS 410-323735/16	100.0	24.739379	50.0	1319829.0	0.247394	Y
6	IC 410-323735/17	200.0	35.16593	50.0	1301123.0	0.17583	Y
7	IC 410-323735/18	600.0	147.106999	50.0	1307293.0	0.245178	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

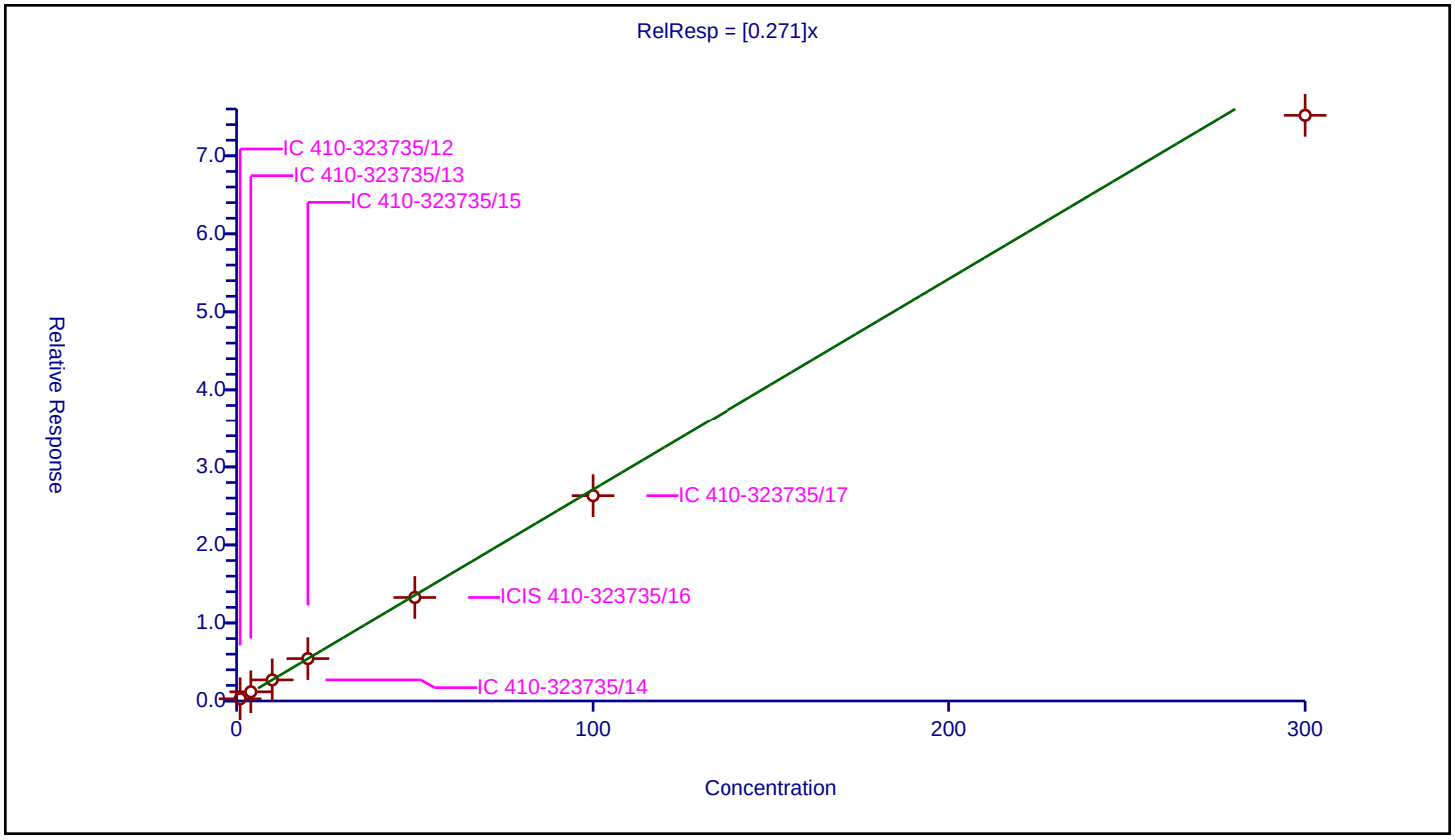
Curve Coefficients

Intercept:	0
Slope:	0.271

Error Coefficients

Standard Error:	864000
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 410-323735/12	1.0	0.282154	50.0	1283340.0	0.282154	Y
2	IC 410-323735/13	4.0	1.17656	50.0	1302951.0	0.29414	Y
3	IC 410-323735/14	10.0	2.701415	50.0	1296302.0	0.270142	Y
4	IC 410-323735/15	20.0	5.432972	50.0	1283662.0	0.271649	Y
5	ICIS 410-323735/16	50.0	13.267514	50.0	1319829.0	0.26535	Y
6	IC 410-323735/17	100.0	26.316613	50.0	1301123.0	0.263166	Y
7	IC 410-323735/18	300.0	75.191598	50.0	1307293.0	0.250639	Y



Calibration / 2,2-Dichloropropane

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

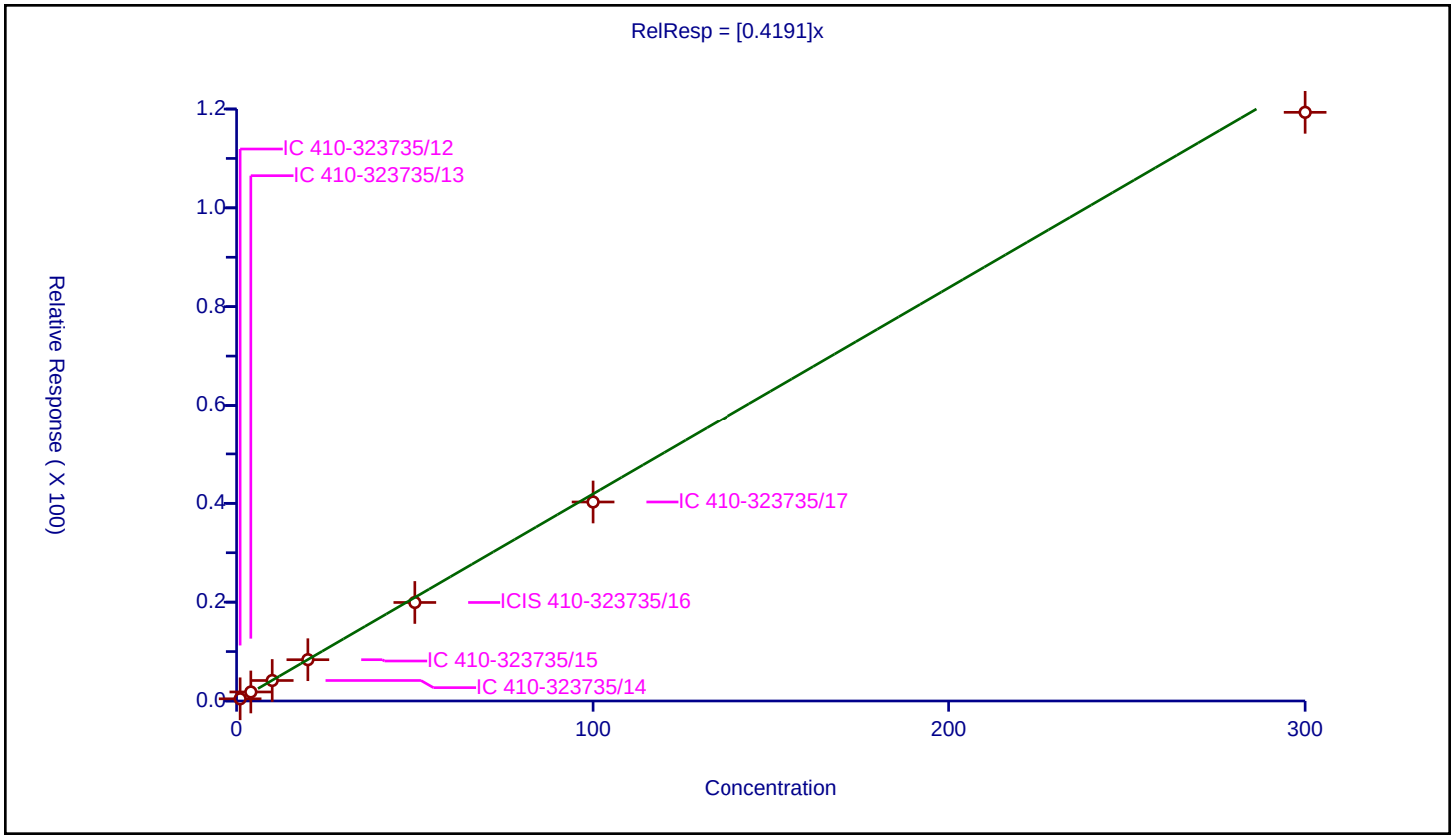
Curve Coefficients

Intercept:	0
Slope:	0.4191

Error Coefficients

Standard Error:	1360000
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 410-323735/12	1.0	0.445478	50.0	1283340.0	0.445478	Y
2	IC 410-323735/13	4.0	1.825548	50.0	1302951.0	0.456387	Y
3	IC 410-323735/14	10.0	4.145562	50.0	1296302.0	0.414556	Y
4	IC 410-323735/15	20.0	8.356912	50.0	1283662.0	0.417846	Y
5	ICIS 410-323735/16	50.0	19.93512	50.0	1319829.0	0.398702	Y
6	IC 410-323735/17	100.0	40.269175	50.0	1301123.0	0.402692	Y
7	IC 410-323735/18	300.0	119.328528	50.0	1307293.0	0.397762	Y



Calibration / Propionitrile

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

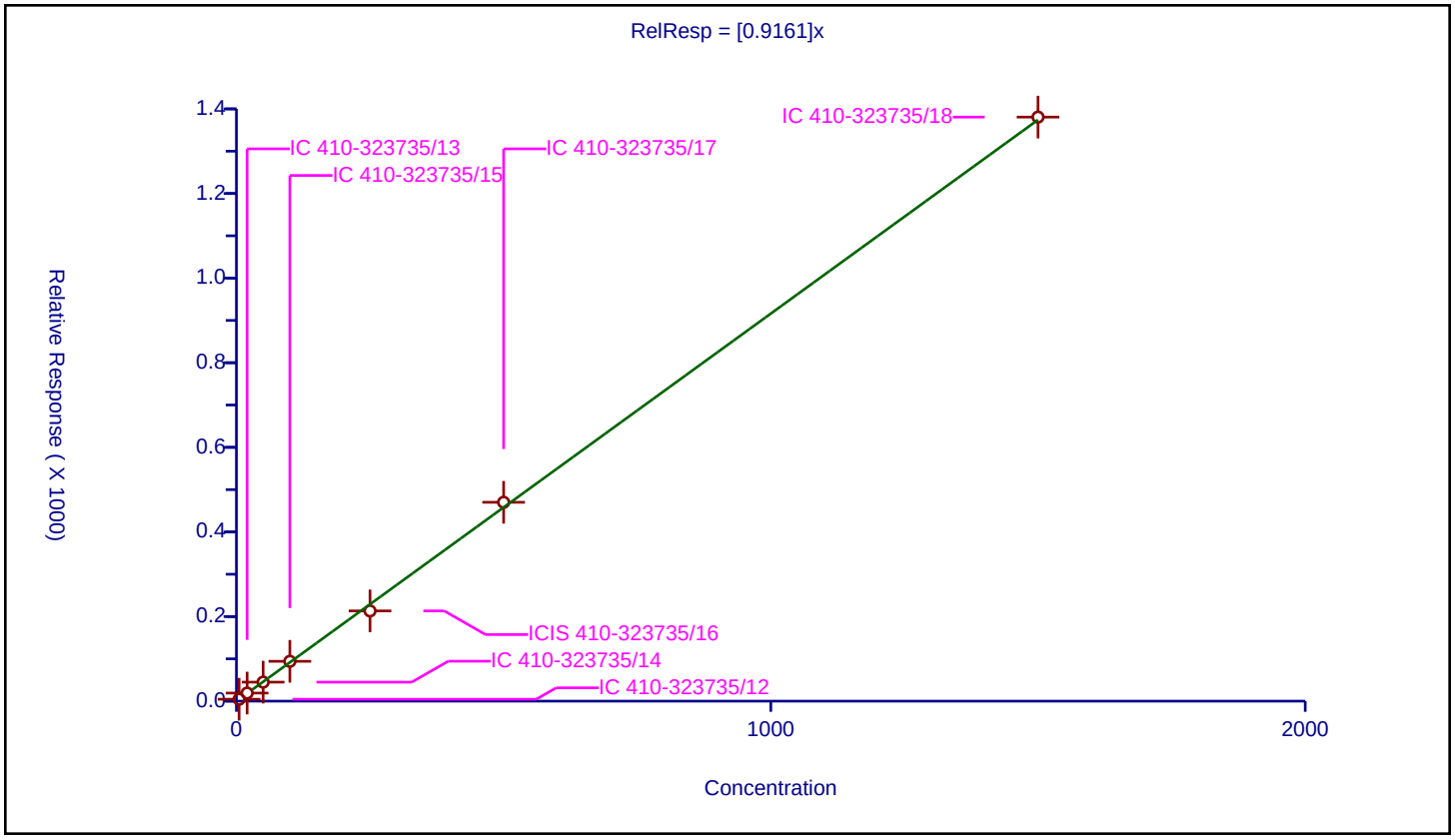
Curve Coefficients

Intercept:	0
Slope:	0.9161

Error Coefficients

Standard Error:	1330000
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 410-323735/12	5.0	4.509557	250.0	541572.0	0.901911	Y
2	IC 410-323735/13	20.0	19.137259	250.0	510640.0	0.956863	Y
3	IC 410-323735/14	50.0	44.935497	250.0	496100.0	0.89871	Y
4	IC 410-323735/15	100.0	94.172766	250.0	526665.0	0.941728	Y
5	ICIS 410-323735/16	250.0	213.250061	250.0	543239.0	0.853	Y
6	IC 410-323735/17	500.0	470.068421	250.0	536532.0	0.940137	Y
7	IC 410-323735/18	1500.0	1380.636057	250.0	551161.0	0.920424	Y



Calibration / Methacrylonitrile

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

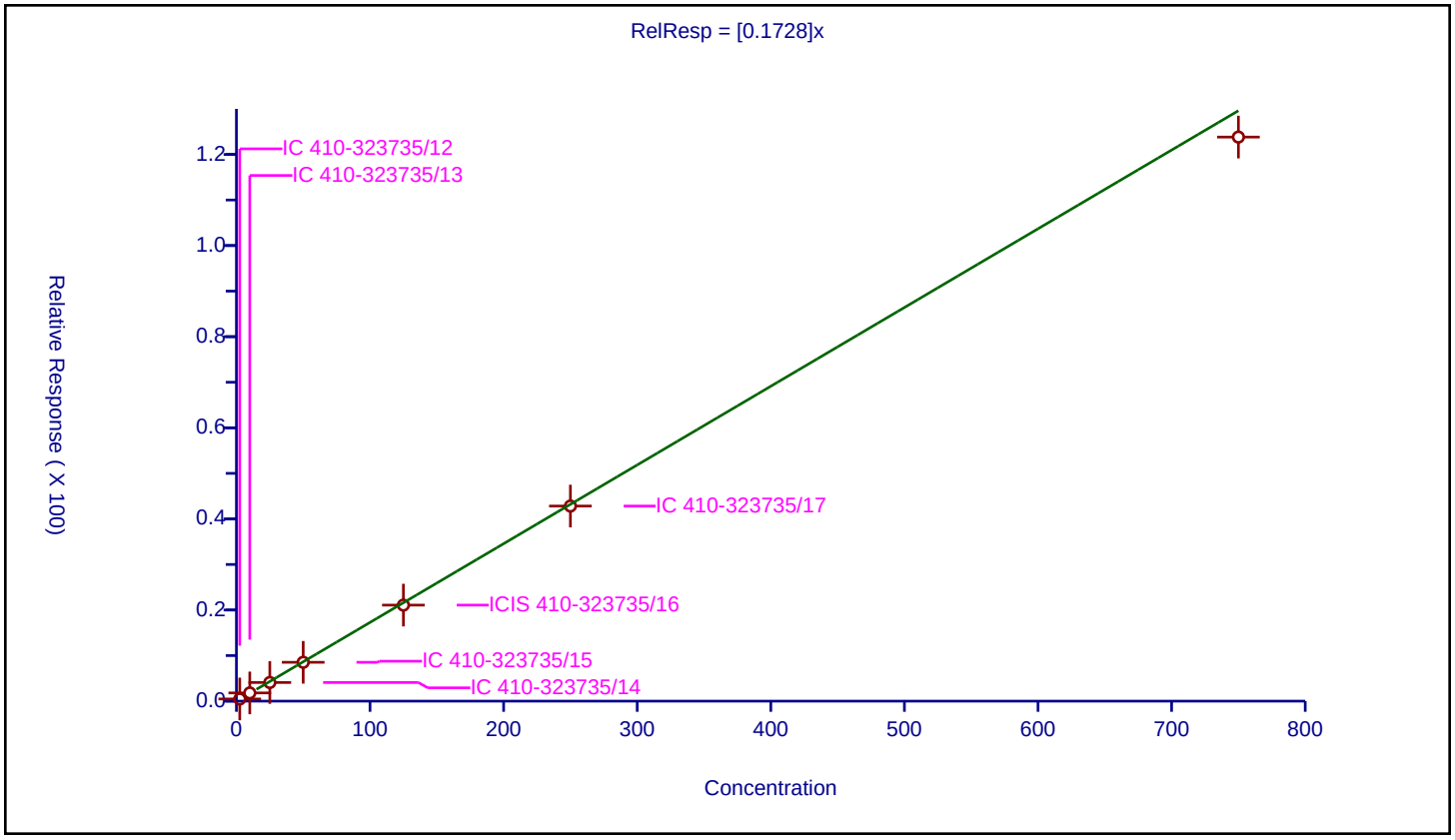
Curve Coefficients

Intercept:	0
Slope:	0.1728

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	2.5	0.475127	50.0	1283340.0	0.190051	Y
2	IC 410-323735/13	10.0	1.803637	50.0	1302951.0	0.180364	Y
3	IC 410-323735/14	25.0	4.091061	50.0	1296302.0	0.163642	Y
4	IC 410-323735/15	50.0	8.52927	50.0	1283662.0	0.170585	Y
5	ICIS 410-323735/16	125.0	21.079132	50.0	1319829.0	0.168633	Y
6	IC 410-323735/17	250.0	42.820932	50.0	1301123.0	0.171284	Y
7	IC 410-323735/18	750.0	123.815472	50.0	1307293.0	0.165087	Y



Calibration / Chlorobromomethane

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

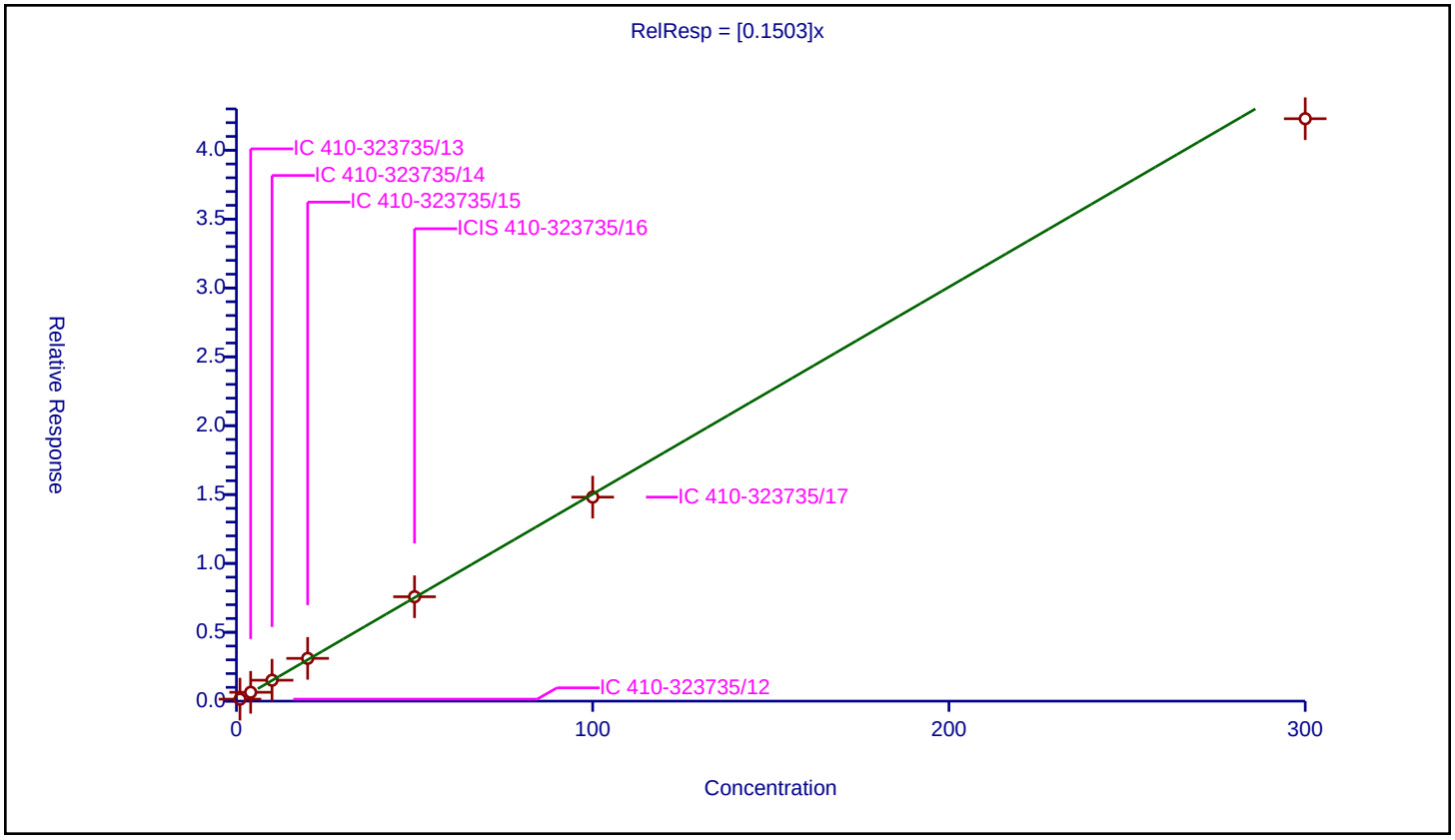
Curve Coefficients

Intercept:	0
Slope:	0.1503

Error Coefficients

Standard Error:	486000
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 410-323735/12	1.0	0.143765	50.0	1283340.0	0.143765	Y
2	IC 410-323735/13	4.0	0.643616	50.0	1302951.0	0.160904	Y
3	IC 410-323735/14	10.0	1.518705	50.0	1296302.0	0.15187	Y
4	IC 410-323735/15	20.0	3.103971	50.0	1283662.0	0.155199	Y
5	ICIS 410-323735/16	50.0	7.578709	50.0	1319829.0	0.151574	Y
6	IC 410-323735/17	100.0	14.811052	50.0	1301123.0	0.148111	Y
7	IC 410-323735/18	300.0	42.285739	50.0	1307293.0	0.140952	Y



Calibration / Tetrahydrofuran

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

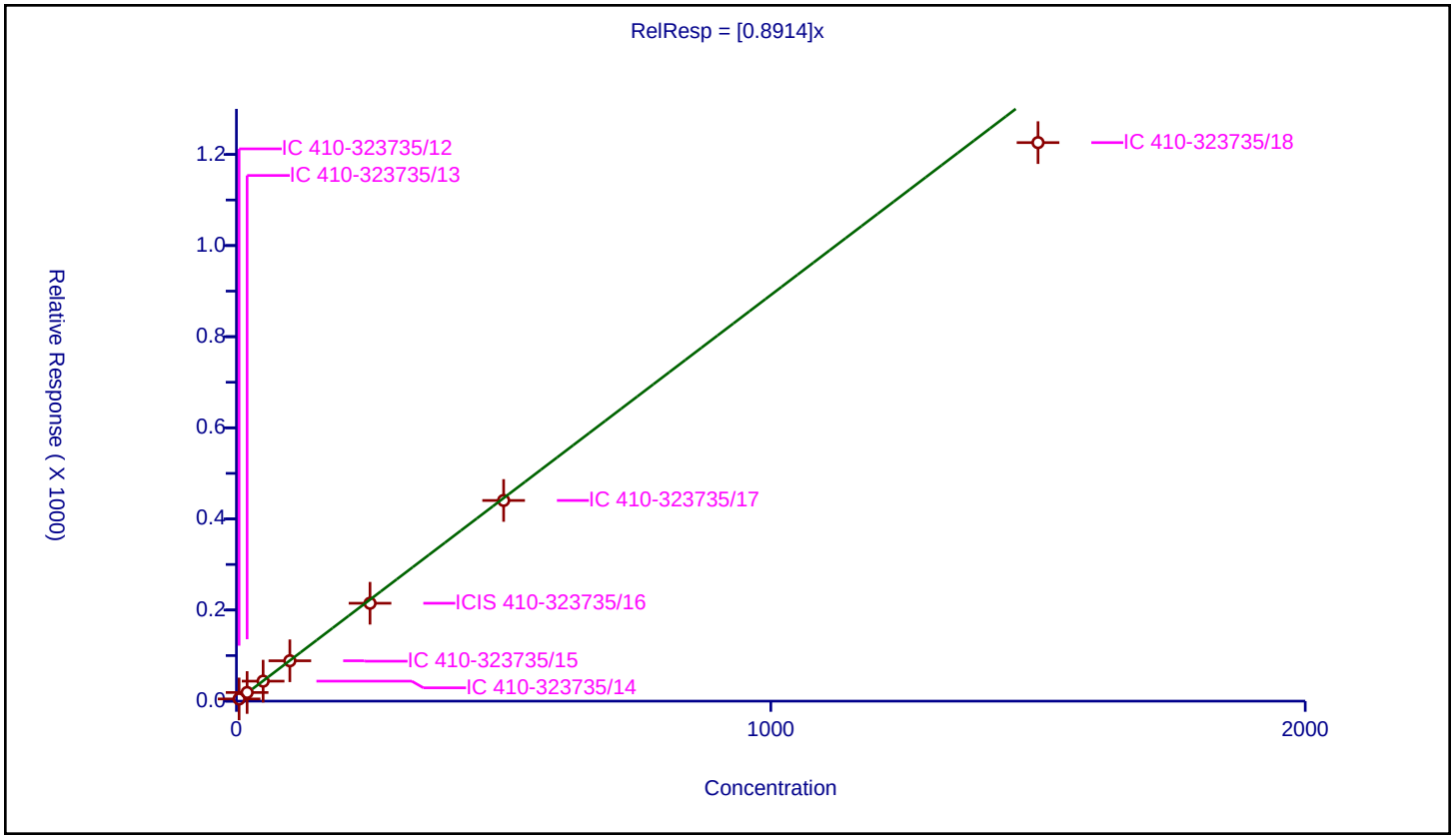
Curve Coefficients

Intercept:	0
Slope:	0.8914

Error Coefficients

Standard Error:	1190000
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 410-323735/12	5.0	4.844693	250.0	541572.0	0.968939	Y
2	IC 410-323735/13	20.0	18.992833	250.0	510640.0	0.949642	Y
3	IC 410-323735/14	50.0	43.896392	250.0	496100.0	0.877928	Y
4	IC 410-323735/15	100.0	88.580027	250.0	526665.0	0.8858	Y
5	ICIS 410-323735/16	250.0	214.854327	250.0	543239.0	0.859417	Y
6	IC 410-323735/17	500.0	440.464874	250.0	536532.0	0.88093	Y
7	IC 410-323735/18	1500.0	1225.974806	250.0	551161.0	0.817317	Y



Calibration / Chloroform

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

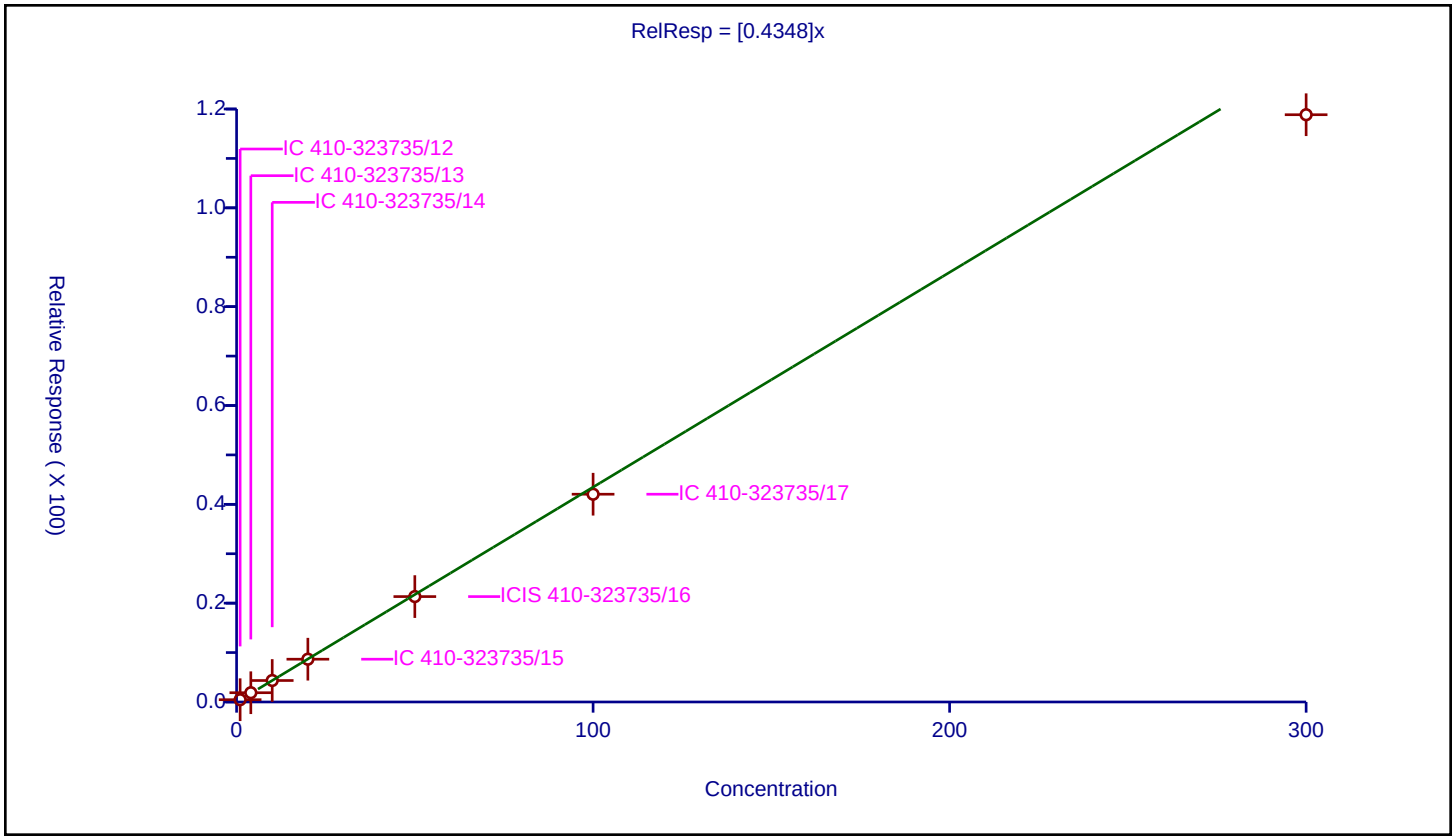
Curve Coefficients

Intercept:	0
Slope:	0.4348

Error Coefficients

Standard Error:	1370000
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 410-323735/12	1.0	0.462738	50.0	1283340.0	0.462738	Y
2	IC 410-323735/13	4.0	1.877738	50.0	1302951.0	0.469434	Y
3	IC 410-323735/14	10.0	4.348601	50.0	1296302.0	0.43486	Y
4	IC 410-323735/15	20.0	8.660925	50.0	1283662.0	0.433046	Y
5	ICIS 410-323735/16	50.0	21.330642	50.0	1319829.0	0.426613	Y
6	IC 410-323735/17	100.0	42.046986	50.0	1301123.0	0.42047	Y
7	IC 410-323735/18	300.0	118.84524	50.0	1307293.0	0.396151	Y



Calibration / Dibromofluoromethane (Surr)

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

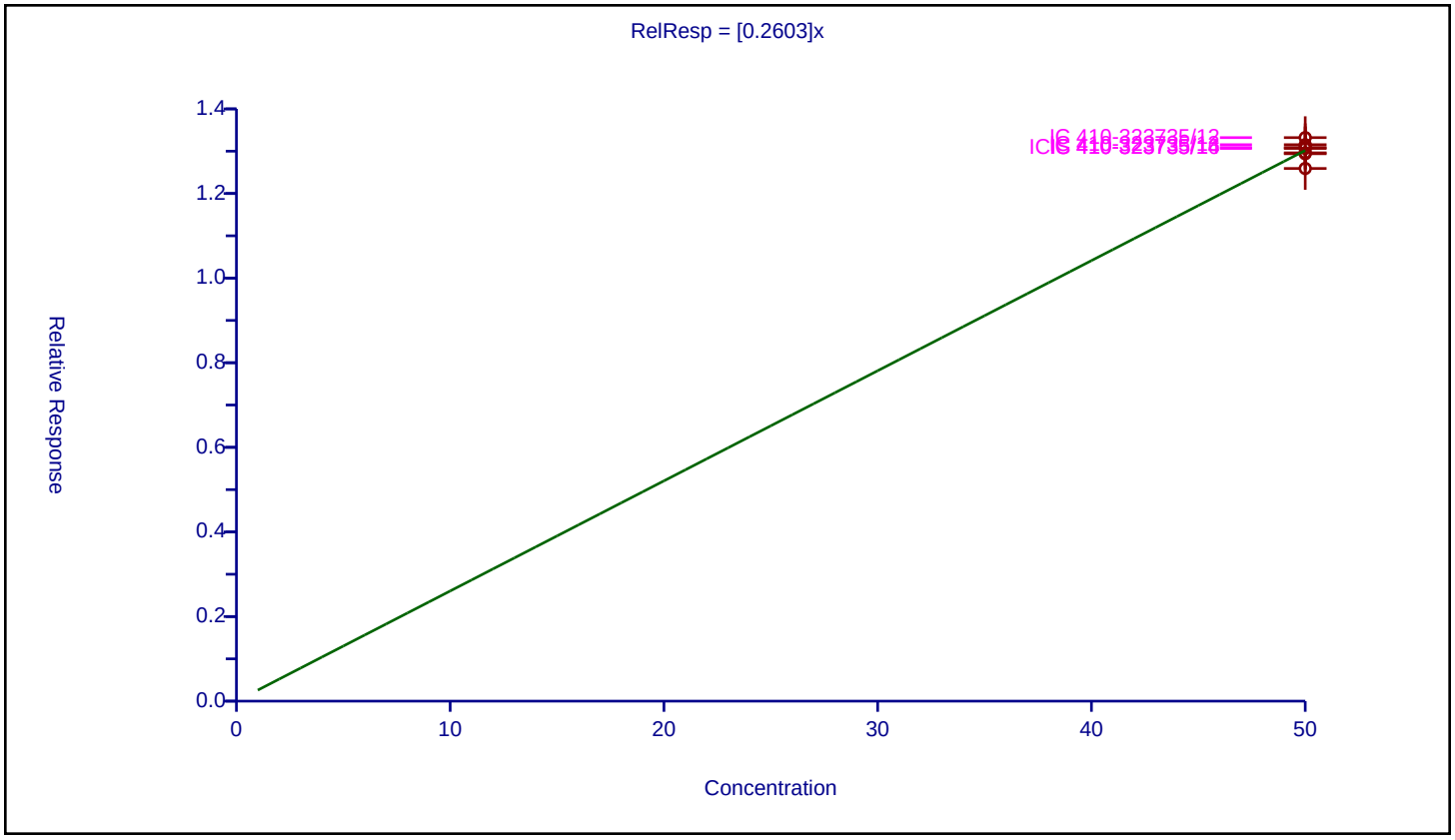
Curve Coefficients

Intercept:	0
Slope:	0.2603

Error Coefficients

Standard Error:	365000
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 410-323735/12	50.0	13.320476	50.0	1283340.0	0.26641	Y
2	IC 410-323735/13	50.0	13.153603	50.0	1302951.0	0.263072	Y
3	IC 410-323735/14	50.0	13.064895	50.0	1296302.0	0.261298	Y
4	IC 410-323735/15	50.0	12.939855	50.0	1283662.0	0.258797	Y
5	ICIS 410-323735/16	50.0	13.08643	50.0	1319829.0	0.261729	Y
6	IC 410-323735/17	50.0	12.961303	50.0	1301123.0	0.259226	Y
7	IC 410-323735/18	50.0	12.591707	50.0	1307293.0	0.251834	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

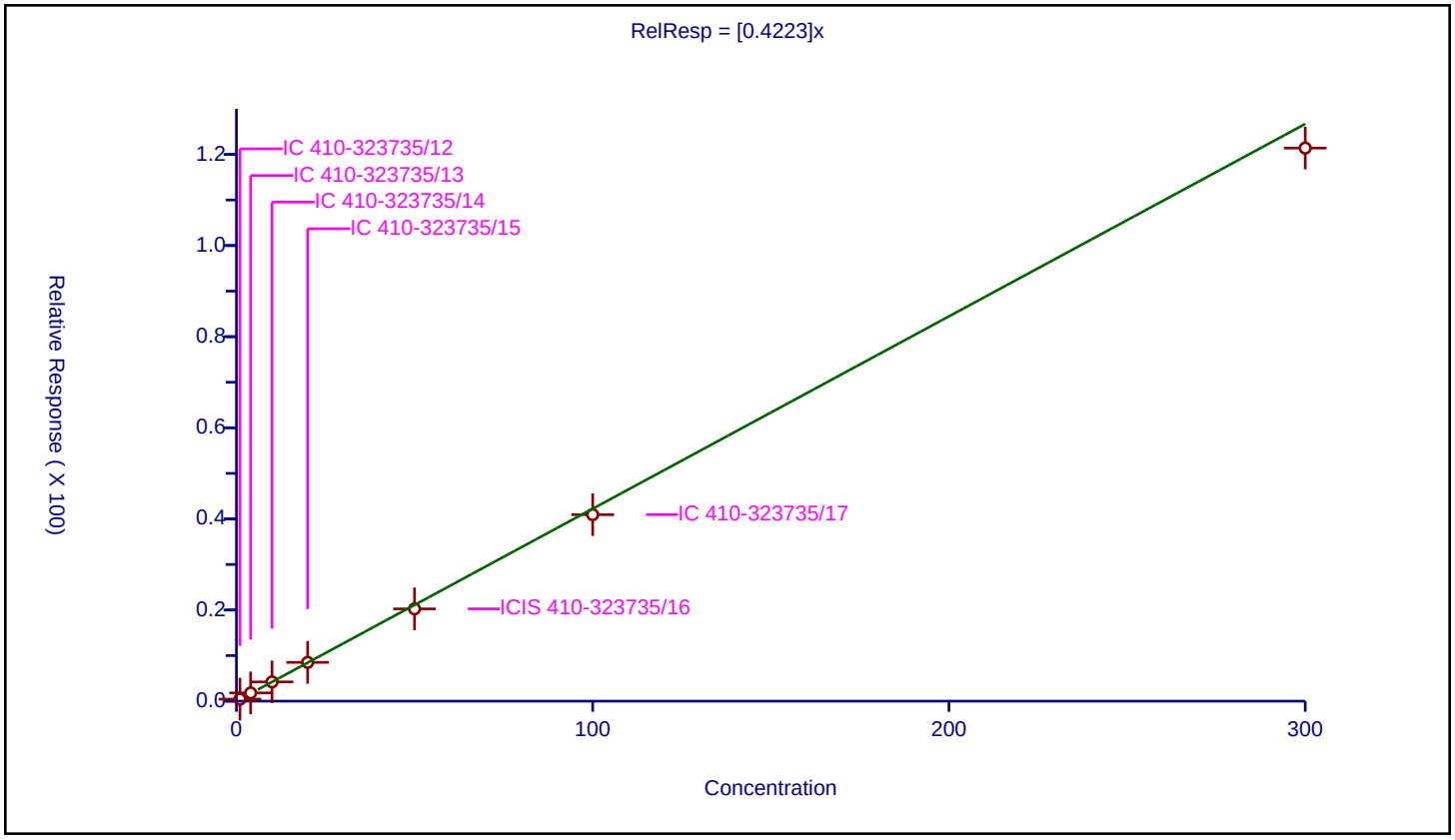
Curve Coefficients

Intercept:	0
Slope:	0.4223

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.436985	50.0	1283340.0	0.436985	Y
2	IC 410-323735/13	4.0	1.808357	50.0	1302951.0	0.452089	Y
3	IC 410-323735/14	10.0	4.224093	50.0	1296302.0	0.422409	Y
4	IC 410-323735/15	20.0	8.508704	50.0	1283662.0	0.425435	Y
5	ICIS 410-323735/16	50.0	20.256488	50.0	1319829.0	0.40513	Y
6	IC 410-323735/17	100.0	40.933447	50.0	1301123.0	0.409334	Y
7	IC 410-323735/18	300.0	121.39681	50.0	1307293.0	0.404656	Y



Calibration / Cyclohexane

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

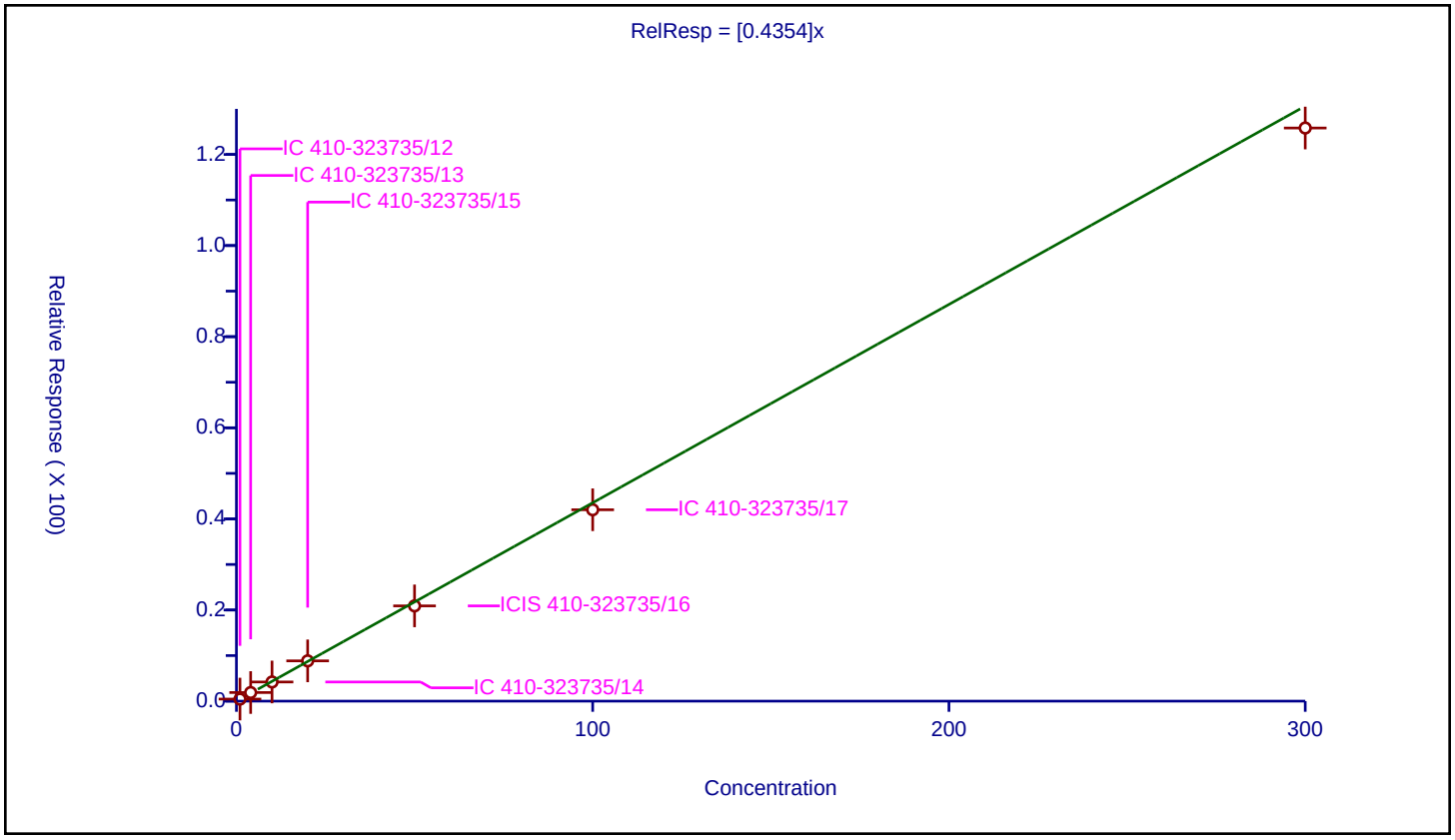
Curve Coefficients

Intercept:	0
Slope:	0.4354

Error Coefficients

Standard Error:	1440000
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 410-323735/12	1.0	0.454751	50.0	1283340.0	0.454751	Y
2	IC 410-323735/13	4.0	1.890132	50.0	1302951.0	0.472533	Y
3	IC 410-323735/14	10.0	4.20662	50.0	1296302.0	0.420662	Y
4	IC 410-323735/15	20.0	8.844034	50.0	1283662.0	0.442202	Y
5	ICIS 410-323735/16	50.0	20.909337	50.0	1319829.0	0.418187	Y
6	IC 410-323735/17	100.0	42.00898	50.0	1301123.0	0.42009	Y
7	IC 410-323735/18	300.0	125.803626	50.0	1307293.0	0.419345	Y



Calibration / 1,1-Dichloropropene

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

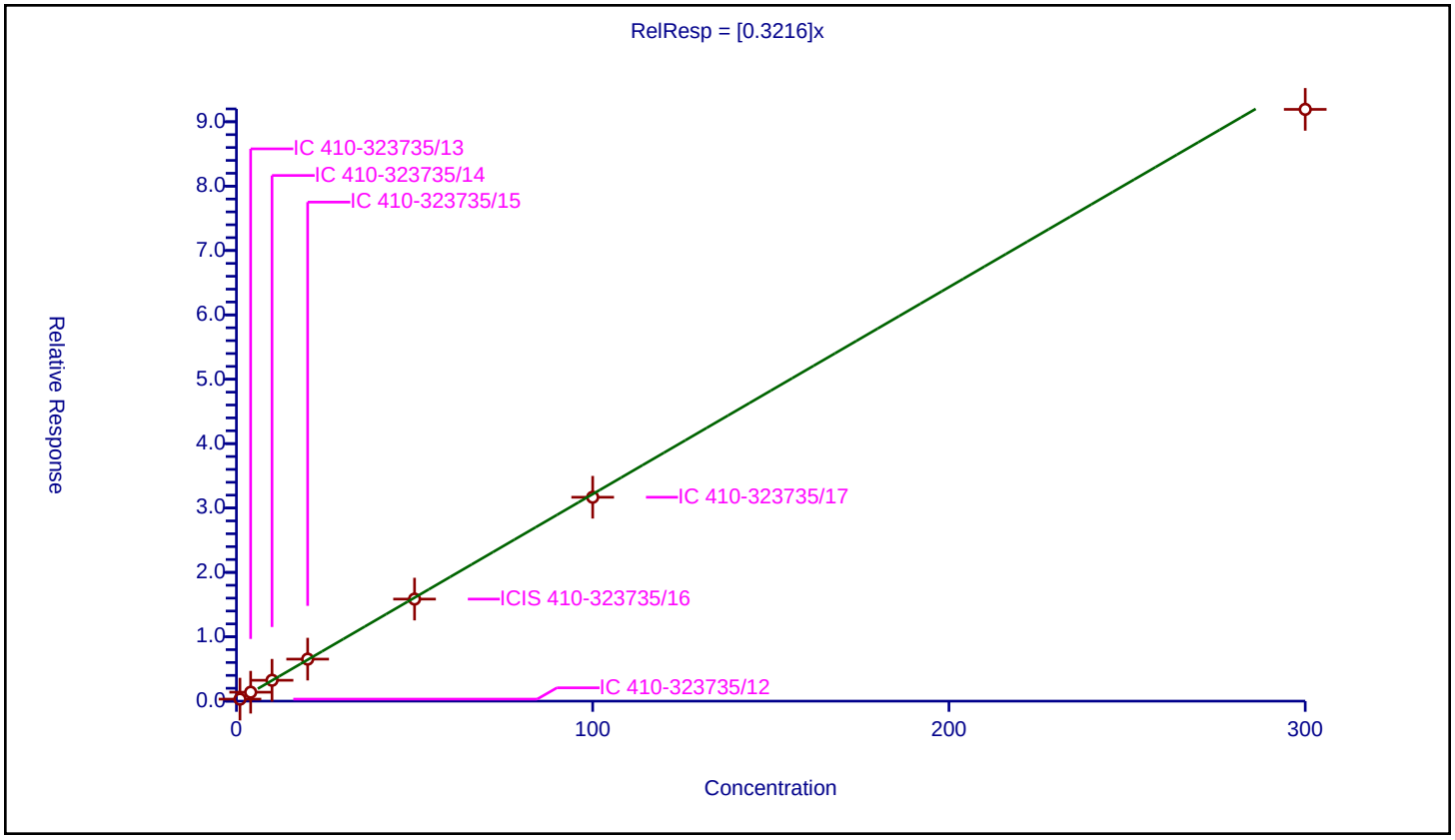
Curve Coefficients

Intercept:	0
Slope:	0.3216

Error Coefficients

Standard Error:	1050000
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 410-323735/12	1.0	0.313362	50.0	1283340.0	0.313362	Y
2	IC 410-323735/13	4.0	1.387543	50.0	1302951.0	0.346886	Y
3	IC 410-323735/14	10.0	3.241876	50.0	1296302.0	0.324188	Y
4	IC 410-323735/15	20.0	6.525238	50.0	1283662.0	0.326262	Y
5	ICIS 410-323735/16	50.0	15.85266	50.0	1319829.0	0.317053	Y
6	IC 410-323735/17	100.0	31.671487	50.0	1301123.0	0.316715	Y
7	IC 410-323735/18	300.0	91.92549	50.0	1307293.0	0.306418	Y



Calibration / Carbon tetrachloride

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

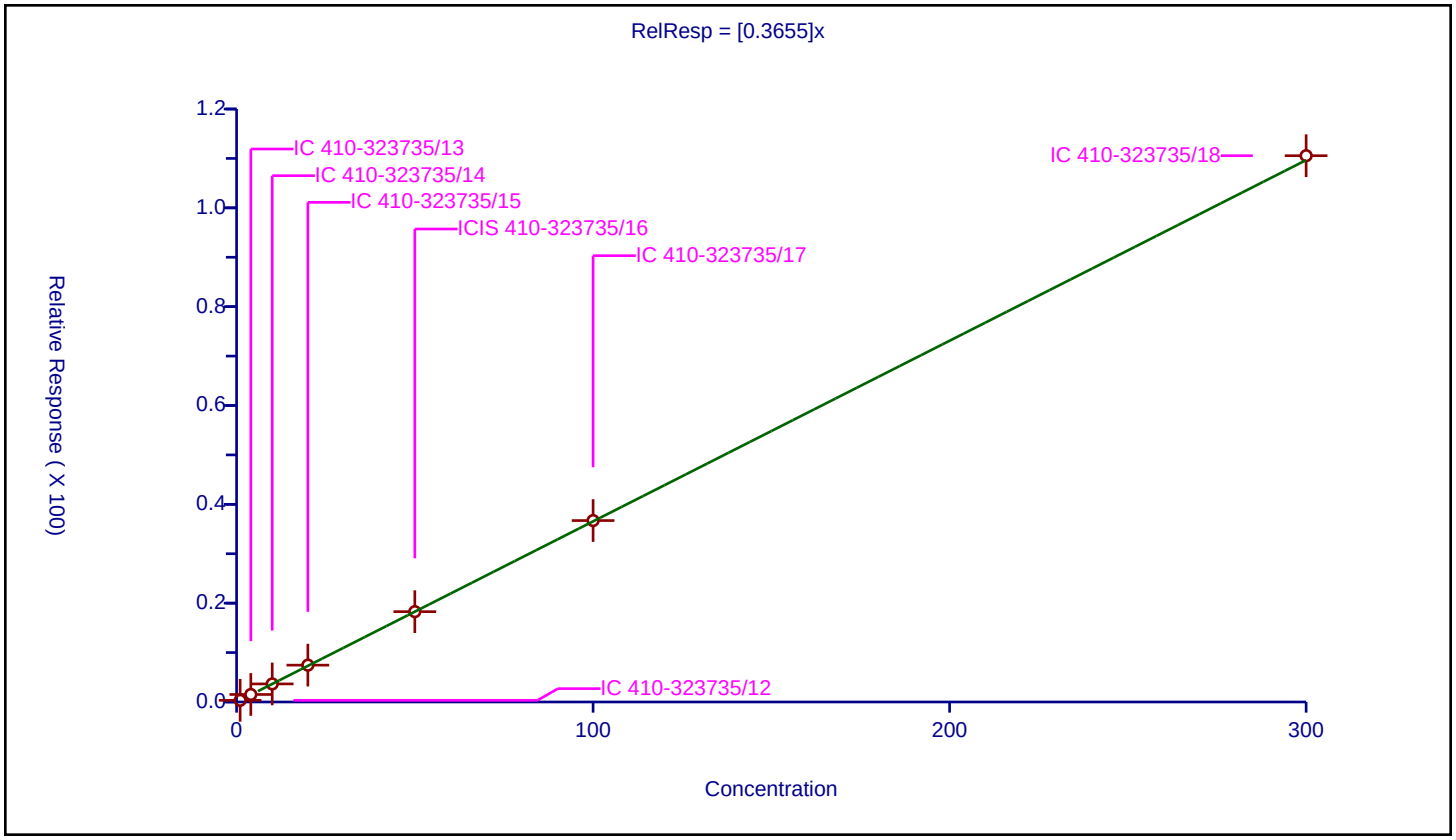
Curve Coefficients

Intercept:	0
Slope:	0.3655

Error Coefficients

Standard Error:	1260000
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 410-323735/12	1.0	0.339855	50.0	1283340.0	0.339855	Y
2	IC 410-323735/13	4.0	1.517018	50.0	1302951.0	0.379254	Y
3	IC 410-323735/14	10.0	3.655514	50.0	1296302.0	0.365551	Y
4	IC 410-323735/15	20.0	7.454377	50.0	1283662.0	0.372719	Y
5	ICIS 410-323735/16	50.0	18.282444	50.0	1319829.0	0.365649	Y
6	IC 410-323735/17	100.0	36.712632	50.0	1301123.0	0.367126	Y
7	IC 410-323735/18	300.0	110.553028	50.0	1307293.0	0.36851	Y



Calibration / Isobutyl alcohol

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

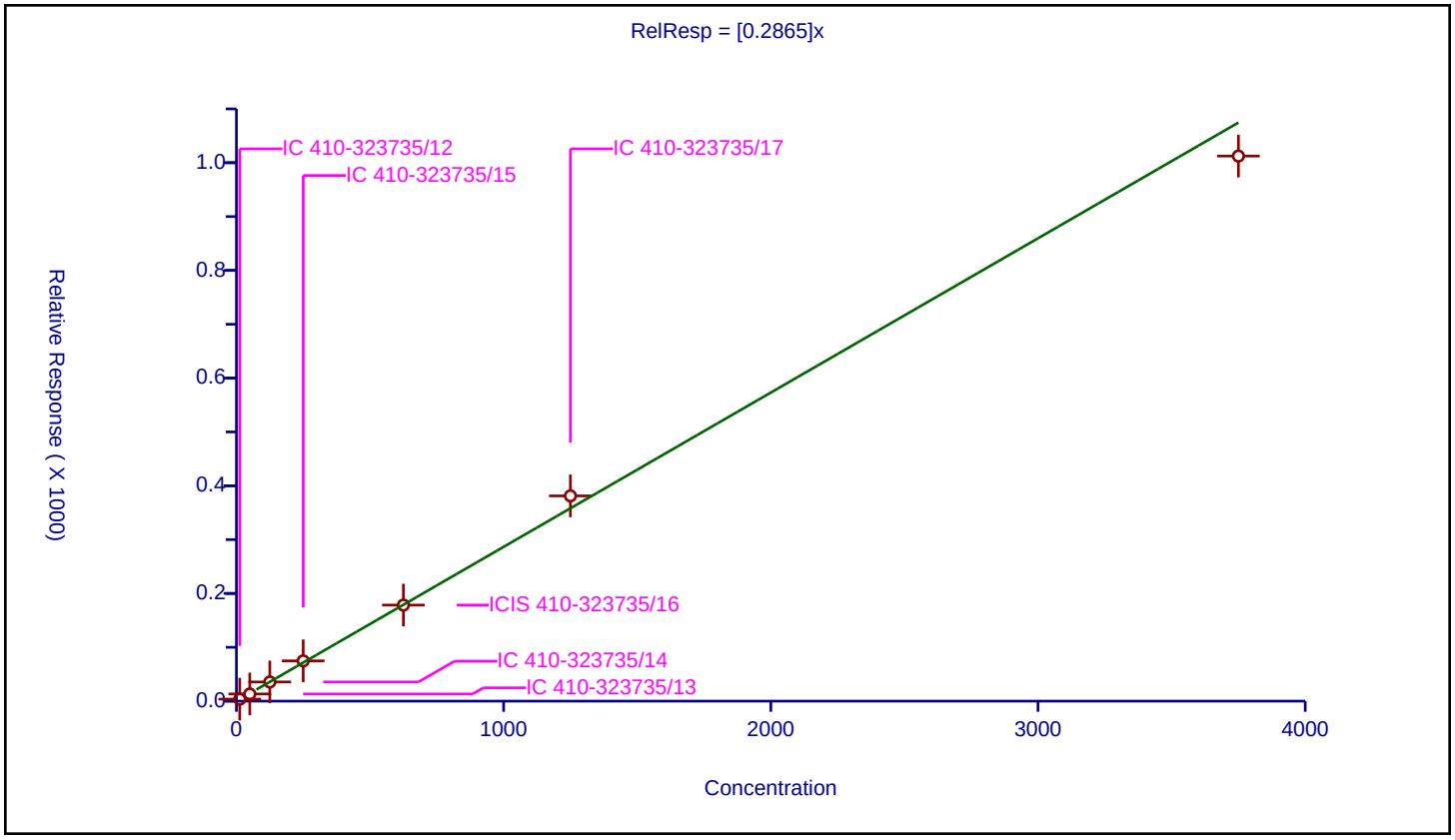
Curve Coefficients

Intercept:	0
Slope:	0.2865

Error Coefficients

Standard Error:	985000
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 410-323735/12	12.5	3.675412	250.0	541572.0	0.294033	Y
2	IC 410-323735/13	50.0	13.344039	250.0	510640.0	0.266881	Y
3	IC 410-323735/14	125.0	35.650574	250.0	496100.0	0.285205	Y
4	IC 410-323735/15	250.0	74.82318	250.0	526665.0	0.299293	Y
5	ICIS 410-323735/16	625.0	178.420088	250.0	543239.0	0.285472	Y
6	IC 410-323735/17	1250.0	381.230756	250.0	536532.0	0.304985	Y
7	IC 410-323735/18	3750.0	1012.375694	250.0	551161.0	0.269967	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

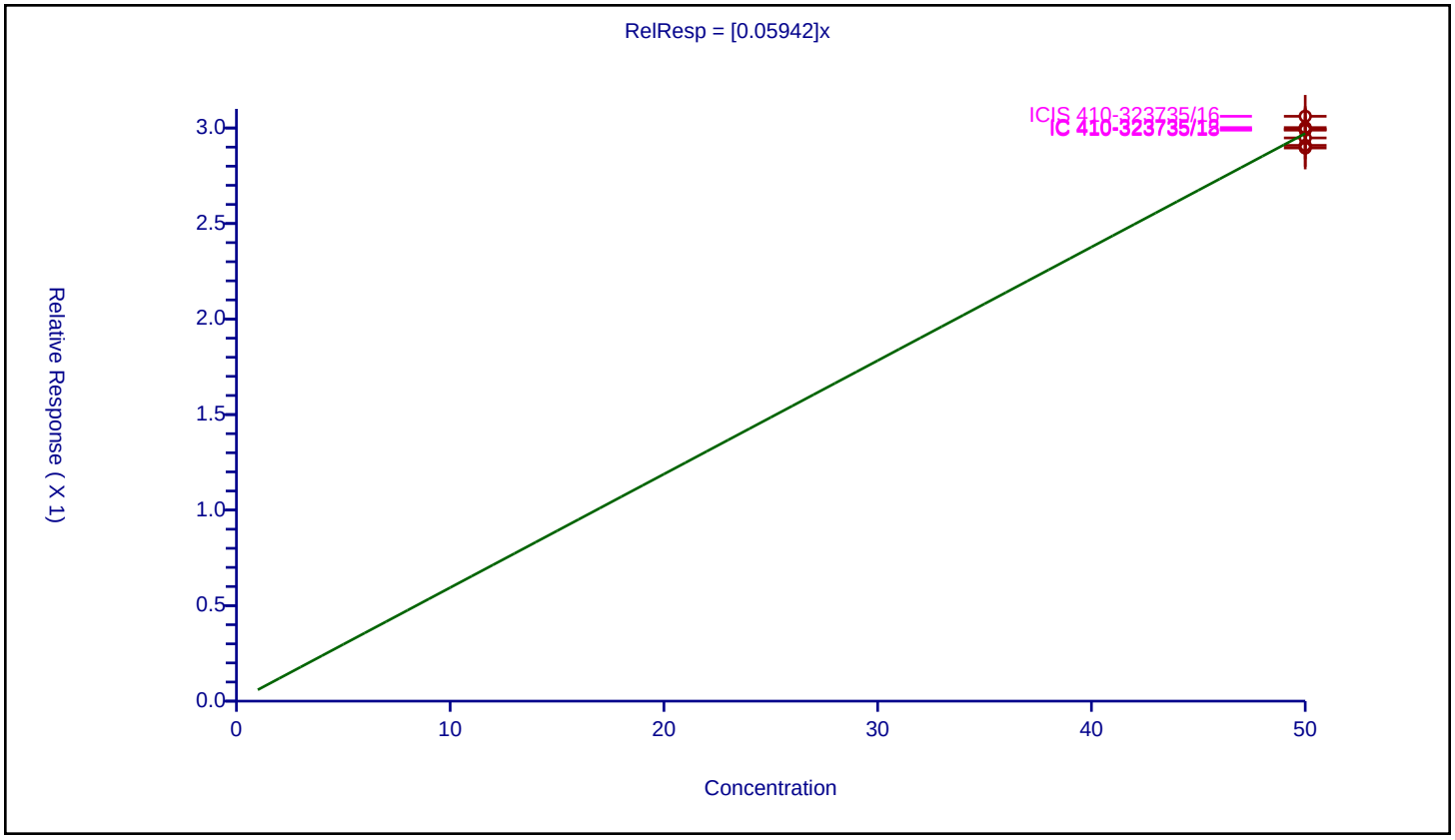
Curve Coefficients

Intercept:	0
Slope:	0.05942

Error Coefficients

Standard Error:	83400
Relative Standard Error:	1.9
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	50.0	3.002166	50.0	1283340.0	0.060043	Y
2	IC 410-323735/13	50.0	2.948077	50.0	1302951.0	0.058962	Y
3	IC 410-323735/14	50.0	2.89539	50.0	1296302.0	0.057908	Y
4	IC 410-323735/15	50.0	2.992532	50.0	1283662.0	0.059851	Y
5	ICIS 410-323735/16	50.0	3.061306	50.0	1319829.0	0.061226	Y
6	IC 410-323735/17	50.0	2.909026	50.0	1301123.0	0.058181	Y
7	IC 410-323735/18	50.0	2.988771	50.0	1307293.0	0.059775	Y



Calibration / Benzene

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

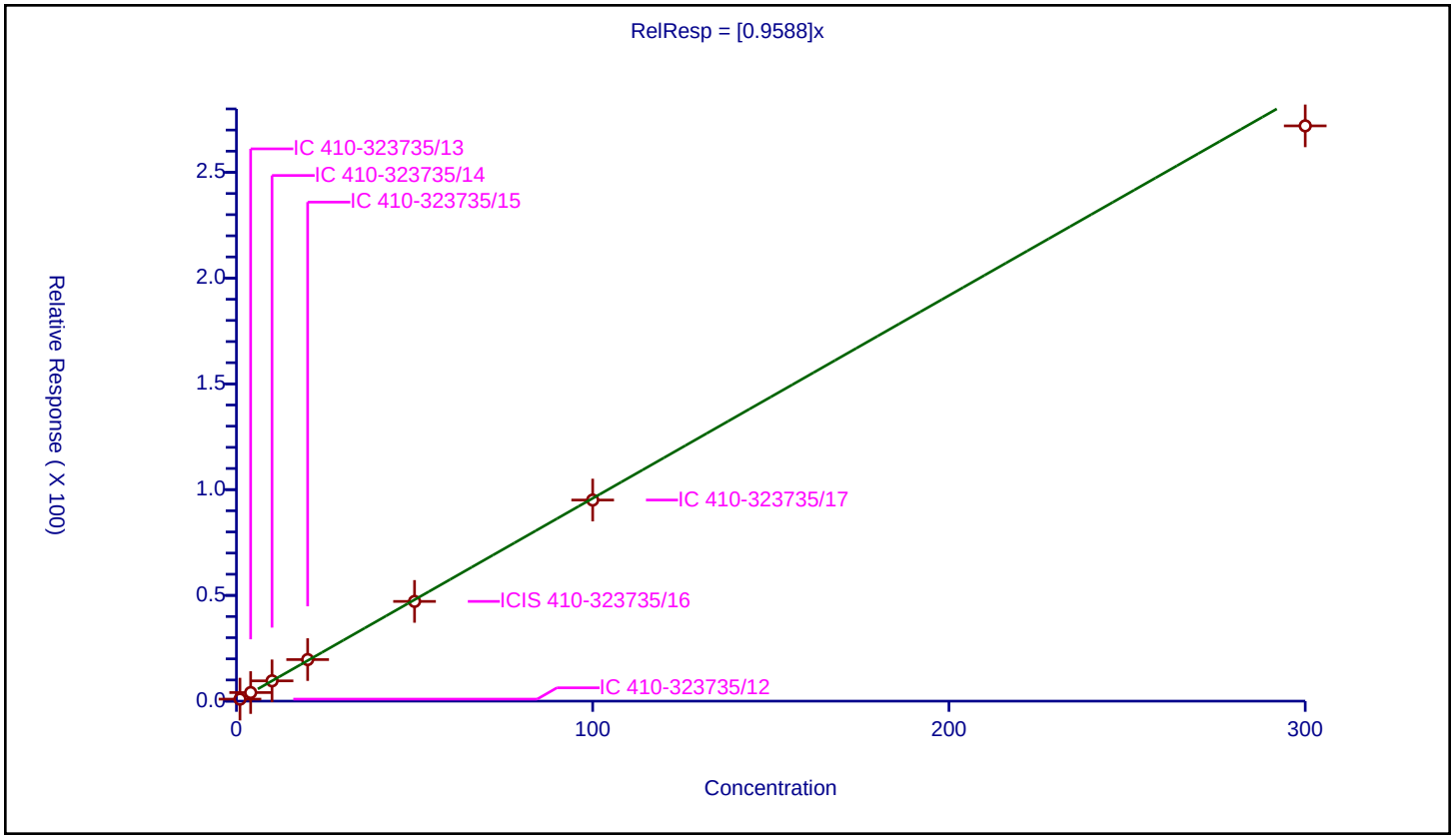
Curve Coefficients

Intercept:	0
Slope:	0.9588

Error Coefficients

Standard Error:	3120000
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 410-323735/12	1.0	0.955164	50.0	1283340.0	0.955164	Y
2	IC 410-323735/13	4.0	4.059209	50.0	1302951.0	1.014802	Y
3	IC 410-323735/14	10.0	9.593058	50.0	1296302.0	0.959306	Y
4	IC 410-323735/15	20.0	19.644073	50.0	1283662.0	0.982204	Y
5	ICIS 410-323735/16	50.0	47.151222	50.0	1319829.0	0.943024	Y
6	IC 410-323735/17	100.0	95.069029	50.0	1301123.0	0.95069	Y
7	IC 410-323735/18	300.0	271.979503	50.0	1307293.0	0.906598	Y



Calibration / 1,2-Dichloroethane

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

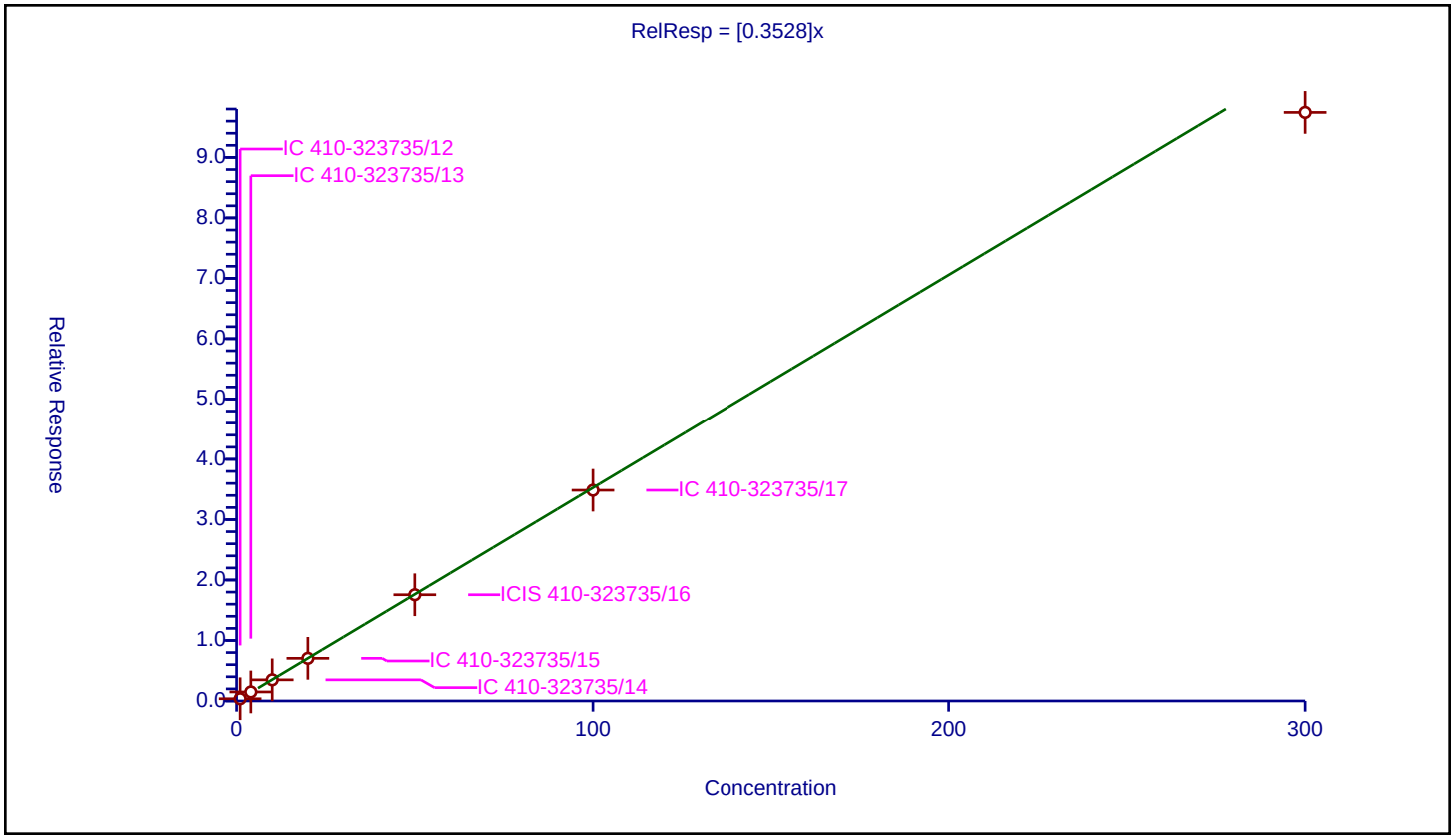
Curve Coefficients

Intercept:	0
Slope:	0.3528

Error Coefficients

Standard Error:	1120000
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 410-323735/12	1.0	0.369933	50.0	1283340.0	0.369933	Y
2	IC 410-323735/13	4.0	1.493111	50.0	1302951.0	0.373278	Y
3	IC 410-323735/14	10.0	3.493823	50.0	1296302.0	0.349382	Y
4	IC 410-323735/15	20.0	7.048273	50.0	1283662.0	0.352414	Y
5	ICIS 410-323735/16	50.0	17.559472	50.0	1319829.0	0.351189	Y
6	IC 410-323735/17	100.0	34.868379	50.0	1301123.0	0.348684	Y
7	IC 410-323735/18	300.0	97.438944	50.0	1307293.0	0.324796	Y



Calibration / Tert-amyl methyl ether

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

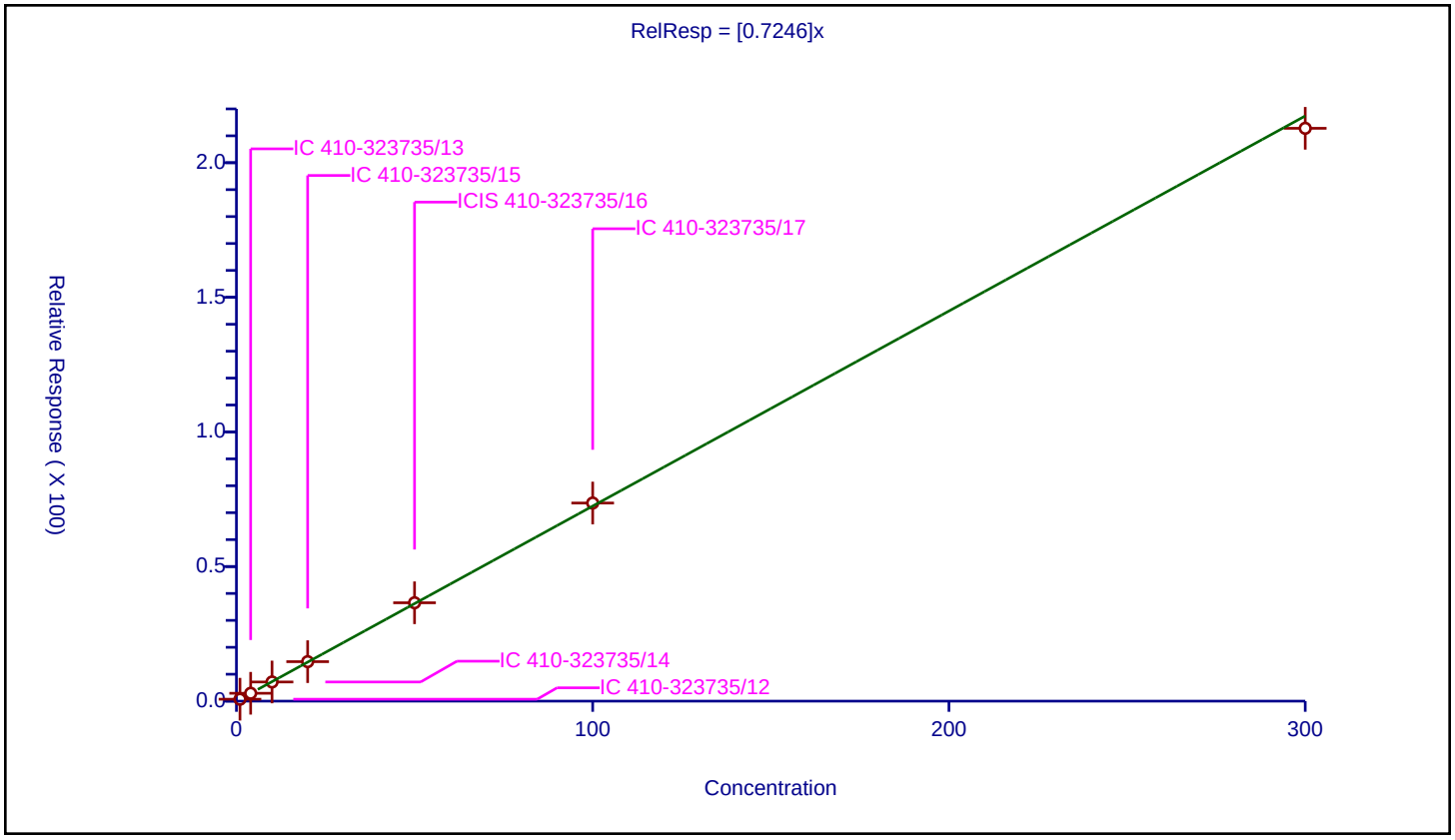
Curve Coefficients

Intercept:	0
Slope:	0.7246

Error Coefficients

Standard Error:	2440000
Relative Standard Error:	1.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.719918	50.0	1283340.0	0.719918	Y
2	IC 410-323735/13	4.0	2.922366	50.0	1302951.0	0.730592	Y
3	IC 410-323735/14	10.0	7.120949	50.0	1296302.0	0.712095	Y
4	IC 410-323735/15	20.0	14.664569	50.0	1283662.0	0.733228	Y
5	ICIS 410-323735/16	50.0	36.546553	50.0	1319829.0	0.730931	Y
6	IC 410-323735/17	100.0	73.591505	50.0	1301123.0	0.735915	Y
7	IC 410-323735/18	300.0	212.786652	50.0	1307293.0	0.709289	Y



Calibration / n-Heptane

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

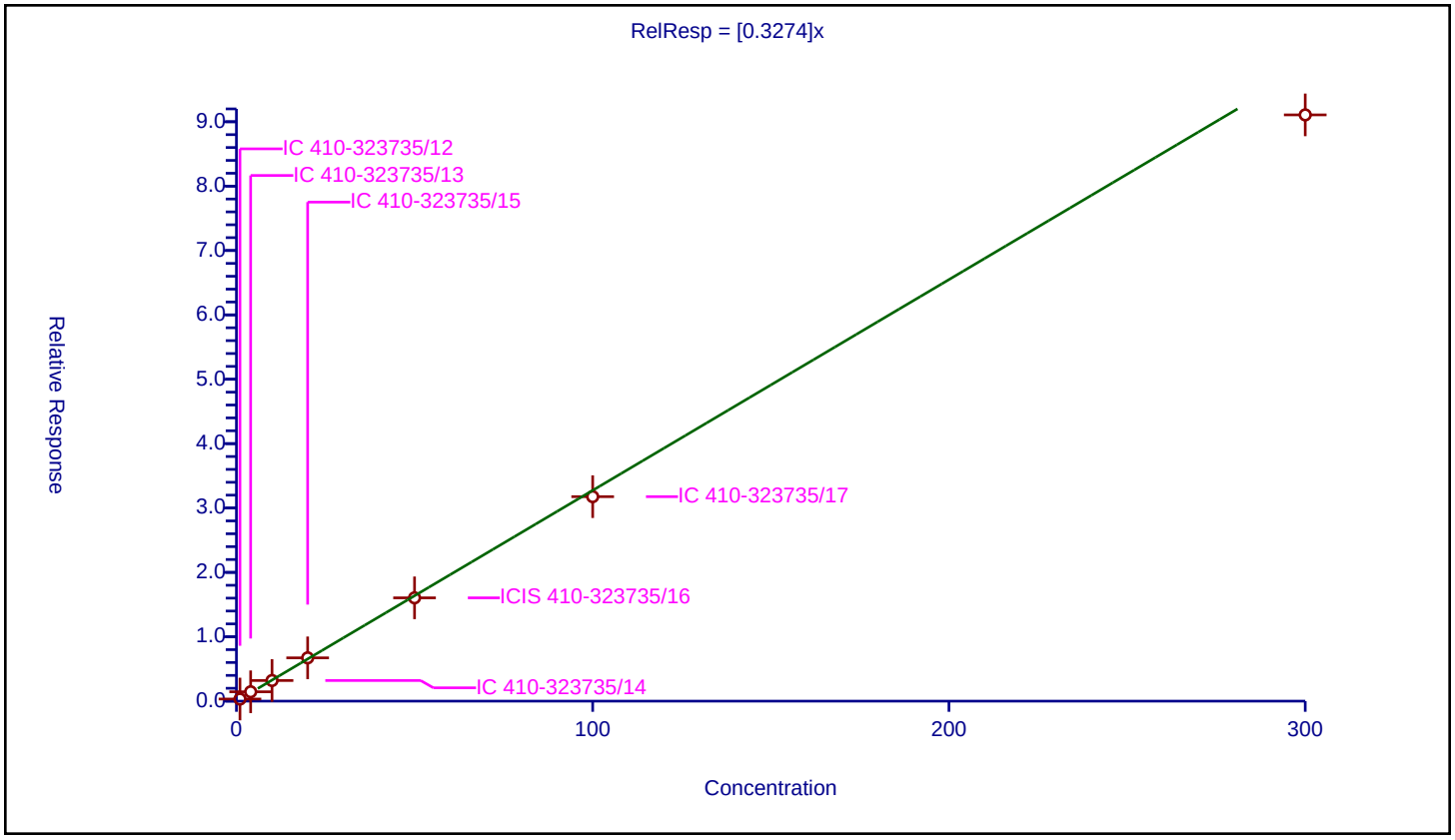
Curve Coefficients

Intercept:	0
Slope:	0.3274

Error Coefficients

Standard Error:	1050000
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 410-323735/12	1.0	0.32918	50.0	1283340.0	0.32918	Y
2	IC 410-323735/13	4.0	1.45512	50.0	1302951.0	0.36378	Y
3	IC 410-323735/14	10.0	3.205542	50.0	1296302.0	0.320554	Y
4	IC 410-323735/15	20.0	6.723226	50.0	1283662.0	0.336161	Y
5	ICIS 410-323735/16	50.0	16.048064	50.0	1319829.0	0.320961	Y
6	IC 410-323735/17	100.0	31.764906	50.0	1301123.0	0.317649	Y
7	IC 410-323735/18	300.0	91.069867	50.0	1307293.0	0.303566	Y



Calibration / n-Butanol

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

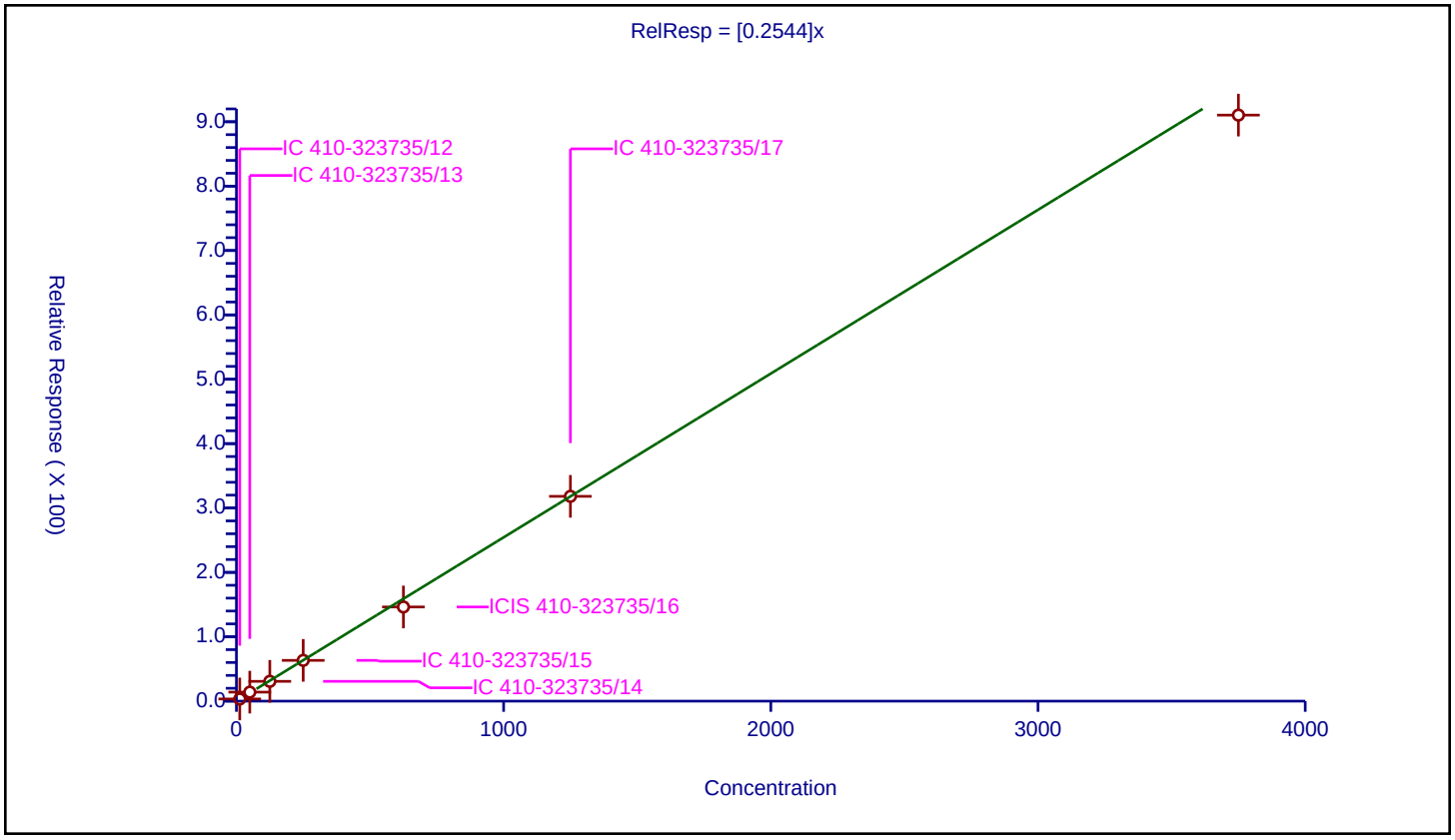
Curve Coefficients

Intercept:	0
Slope:	0.2544

Error Coefficients

Standard Error:	877000
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 410-323735/12	12.5	3.380437	250.0	541572.0	0.270435	Y
2	IC 410-323735/13	50.0	13.989797	250.0	510640.0	0.279796	Y
3	IC 410-323735/14	125.0	30.757408	250.0	496100.0	0.246059	Y
4	IC 410-323735/15	250.0	63.323935	250.0	526665.0	0.253296	Y
5	ICIS 410-323735/16	625.0	146.295645	250.0	543239.0	0.234073	Y
6	IC 410-323735/17	1250.0	318.122684	250.0	536532.0	0.254498	Y
7	IC 410-323735/18	3750.0	910.372378	250.0	551161.0	0.242766	Y



Calibration / Trichloroethene

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

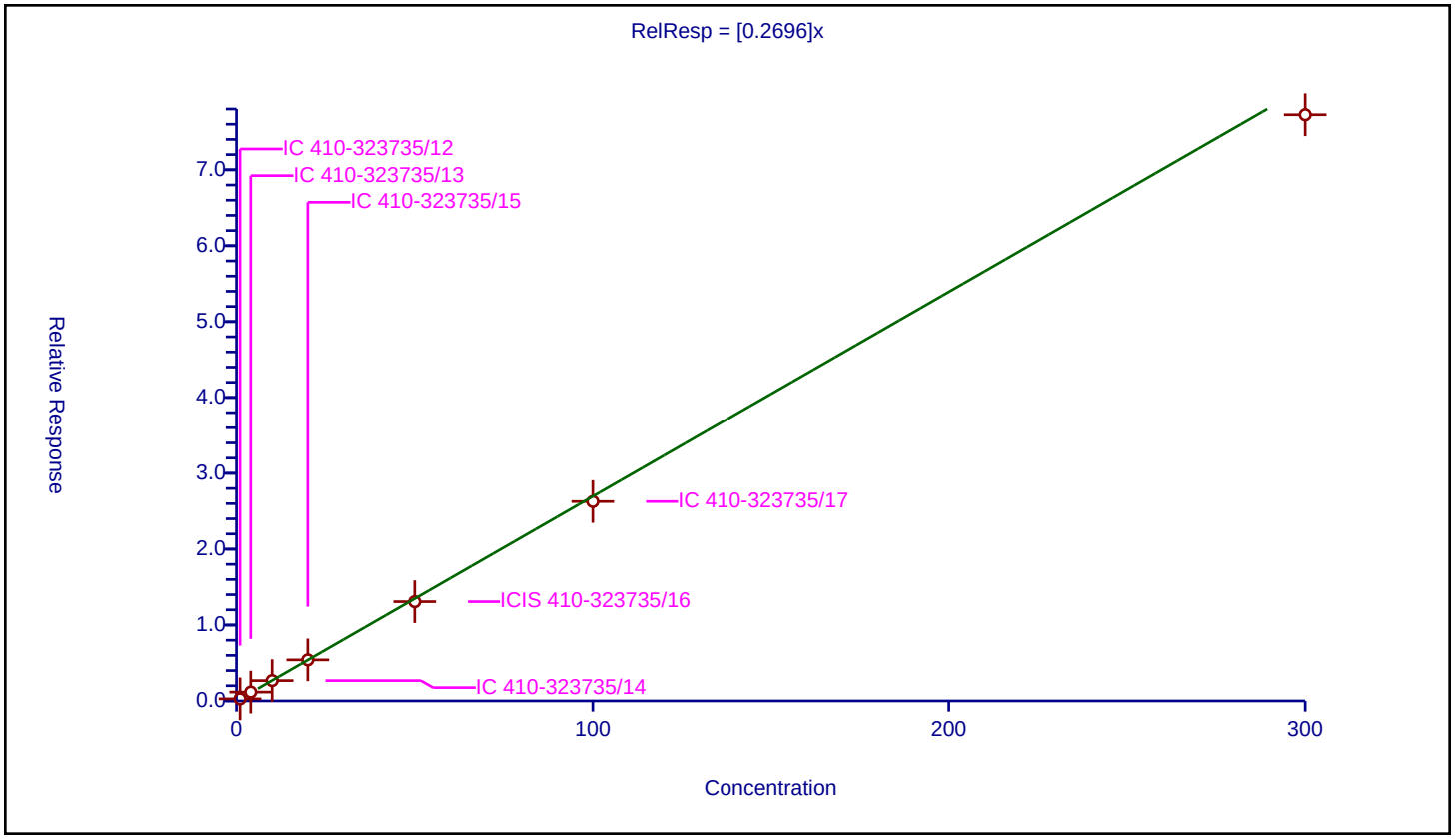
Curve Coefficients

Intercept:	0
Slope:	0.2696

Error Coefficients

Standard Error:	884000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.275064	50.0	1283340.0	0.275064	Y
2	IC 410-323735/13	4.0	1.167465	50.0	1302951.0	0.291866	Y
3	IC 410-323735/14	10.0	2.677231	50.0	1296302.0	0.267723	Y
4	IC 410-323735/15	20.0	5.409329	50.0	1283662.0	0.270466	Y
5	ICIS 410-323735/16	50.0	13.079876	50.0	1319829.0	0.261598	Y
6	IC 410-323735/17	100.0	26.278223	50.0	1301123.0	0.262782	Y
7	IC 410-323735/18	300.0	77.247411	50.0	1307293.0	0.257491	Y



Calibration / Methylcyclohexane

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

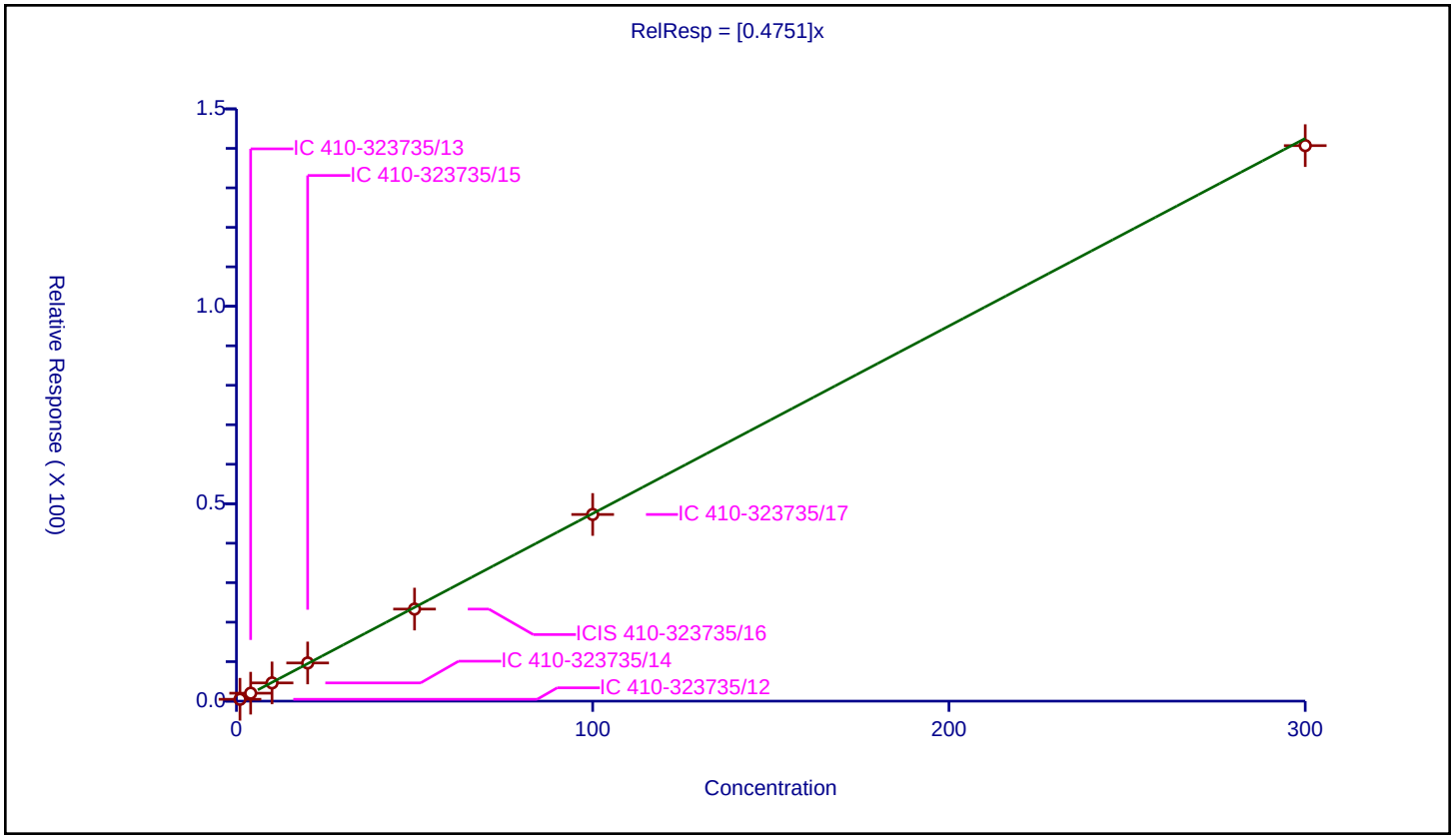
Curve Coefficients

Intercept:	0
Slope:	0.4751

Error Coefficients

Standard Error:	1610000
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 410-323735/12	1.0	0.468426	50.0	1283340.0	0.468426	Y
2	IC 410-323735/13	4.0	2.016346	50.0	1302951.0	0.504086	Y
3	IC 410-323735/14	10.0	4.615244	50.0	1296302.0	0.461524	Y
4	IC 410-323735/15	20.0	9.666602	50.0	1283662.0	0.48333	Y
5	ICIS 410-323735/16	50.0	23.318551	50.0	1319829.0	0.466371	Y
6	IC 410-323735/17	100.0	47.274201	50.0	1301123.0	0.472742	Y
7	IC 410-323735/18	300.0	140.69803	50.0	1307293.0	0.468993	Y



Calibration / 1,2-Dichloropropane

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

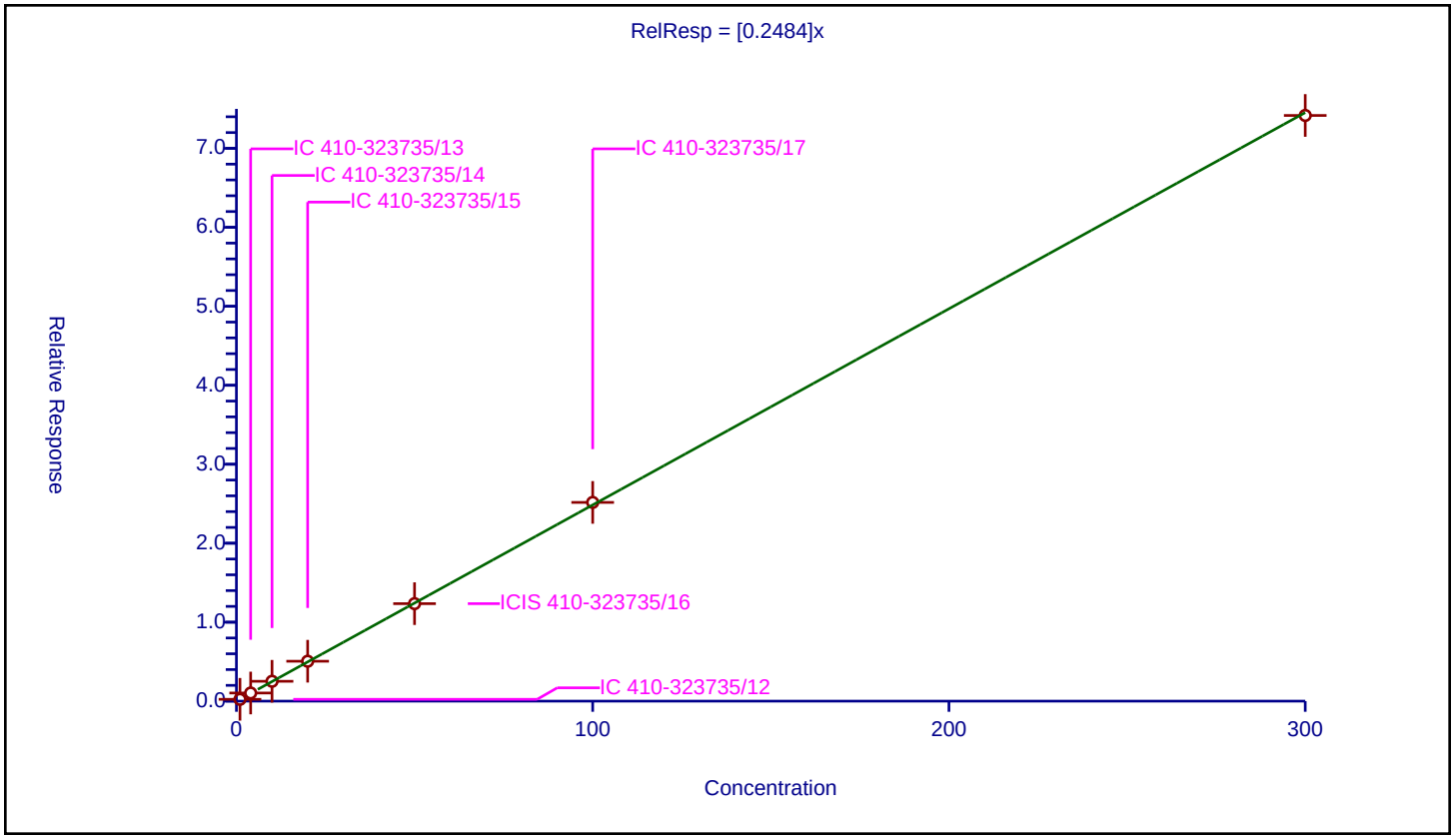
Curve Coefficients

Intercept:	0
Slope:	0.2484

Error Coefficients

Standard Error:	848000
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 410-323735/12	1.0	0.2317	50.0	1283340.0	0.2317	Y
2	IC 410-323735/13	4.0	1.030545	50.0	1302951.0	0.257636	Y
3	IC 410-323735/14	10.0	2.513303	50.0	1296302.0	0.25133	Y
4	IC 410-323735/15	20.0	5.052615	50.0	1283662.0	0.252631	Y
5	ICIS 410-323735/16	50.0	12.345311	50.0	1319829.0	0.246906	Y
6	IC 410-323735/17	100.0	25.165415	50.0	1301123.0	0.251654	Y
7	IC 410-323735/18	300.0	74.167727	50.0	1307293.0	0.247226	Y



Calibration / 2-ethoxy-2-methyl butane

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

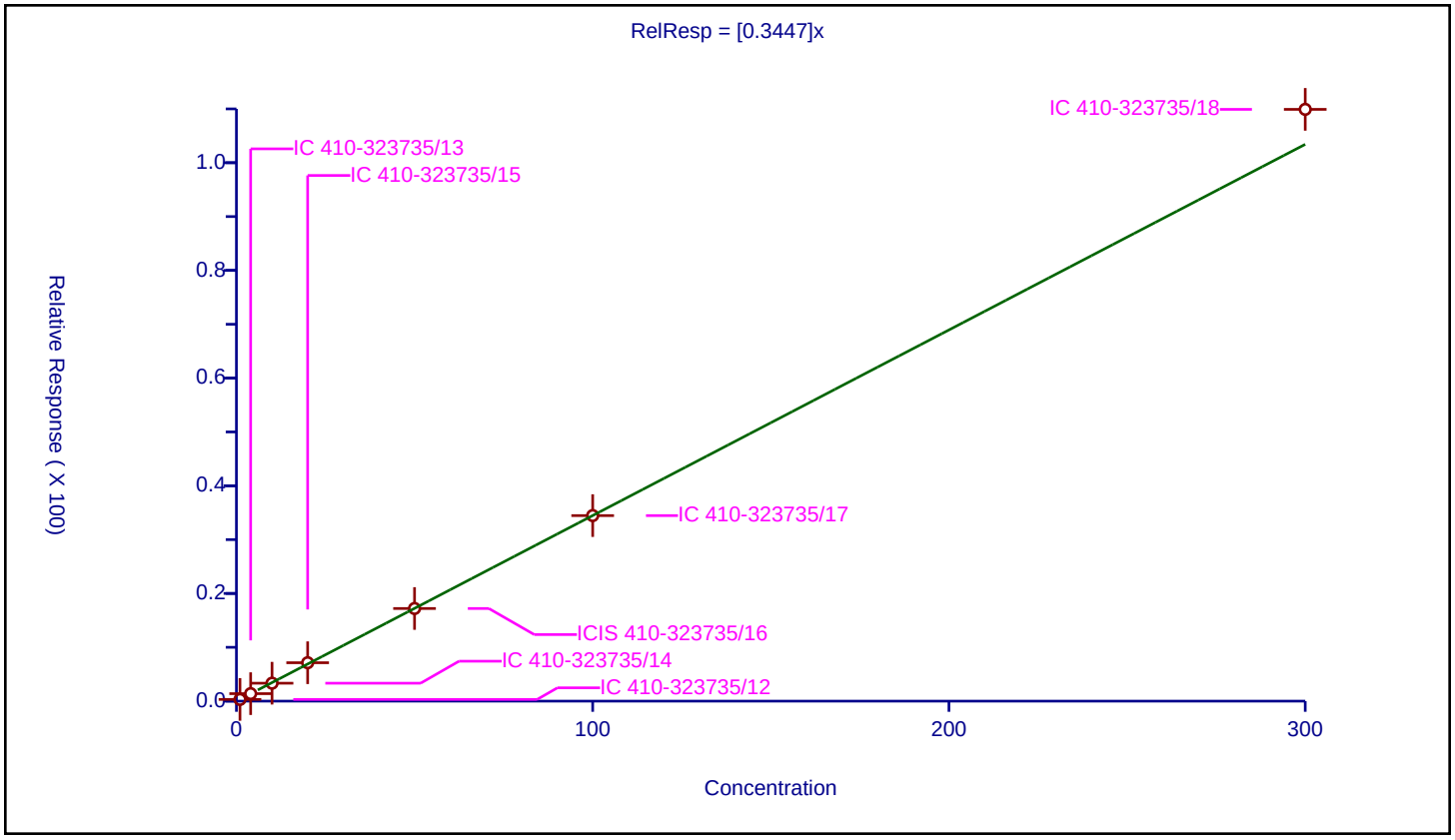
Curve Coefficients

Intercept:	0
Slope:	0.3447

Error Coefficients

Standard Error:	1250000
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 410-323735/12	1.0	0.319089	50.0	1283340.0	0.319089	Y
2	IC 410-323735/13	4.0	1.394872	50.0	1302951.0	0.348718	Y
3	IC 410-323735/14	10.0	3.333212	50.0	1296302.0	0.333321	Y
4	IC 410-323735/15	20.0	7.13564	50.0	1283662.0	0.356782	Y
5	ICIS 410-323735/16	50.0	17.206358	50.0	1319829.0	0.344127	Y
6	IC 410-323735/17	100.0	34.46273	50.0	1301123.0	0.344627	Y
7	IC 410-323735/18	300.0	109.909217	50.0	1307293.0	0.366364	Y



Calibration / Methyl methacrylate

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

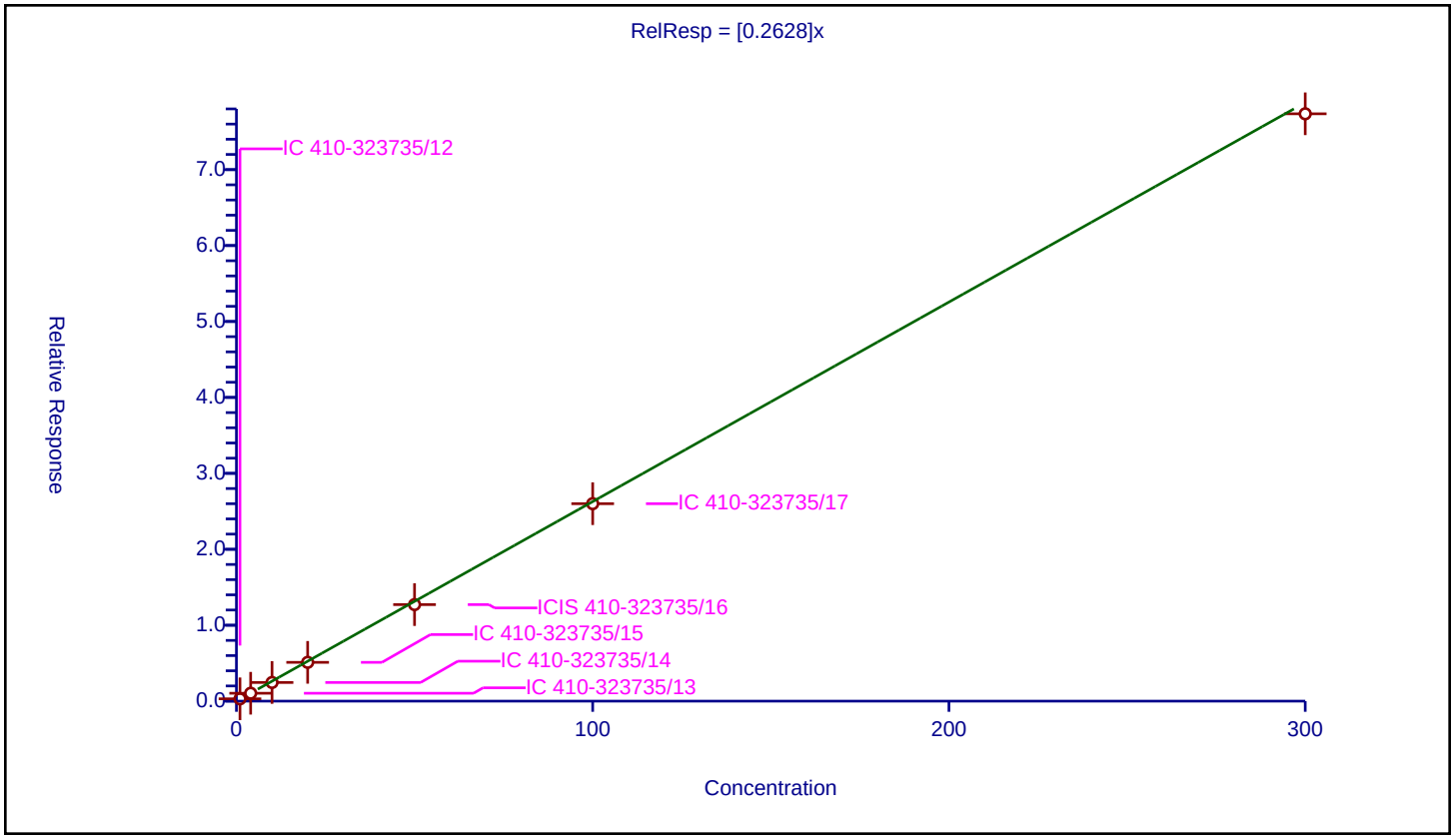
Curve Coefficients

Intercept:	0
Slope:	0.2628

Error Coefficients

Standard Error:	883000
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 410-323735/12	1.0	0.306193	50.0	1283340.0	0.306193	Y
2	IC 410-323735/13	4.0	1.04083	50.0	1302951.0	0.260207	Y
3	IC 410-323735/14	10.0	2.455986	50.0	1296302.0	0.245599	Y
4	IC 410-323735/15	20.0	5.107536	50.0	1283662.0	0.255377	Y
5	ICIS 410-323735/16	50.0	12.713844	50.0	1319829.0	0.254277	Y
6	IC 410-323735/17	100.0	26.003883	50.0	1301123.0	0.260039	Y
7	IC 410-323735/18	300.0	77.35282	50.0	1307293.0	0.257843	Y



Calibration / 1,4-Dioxane

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

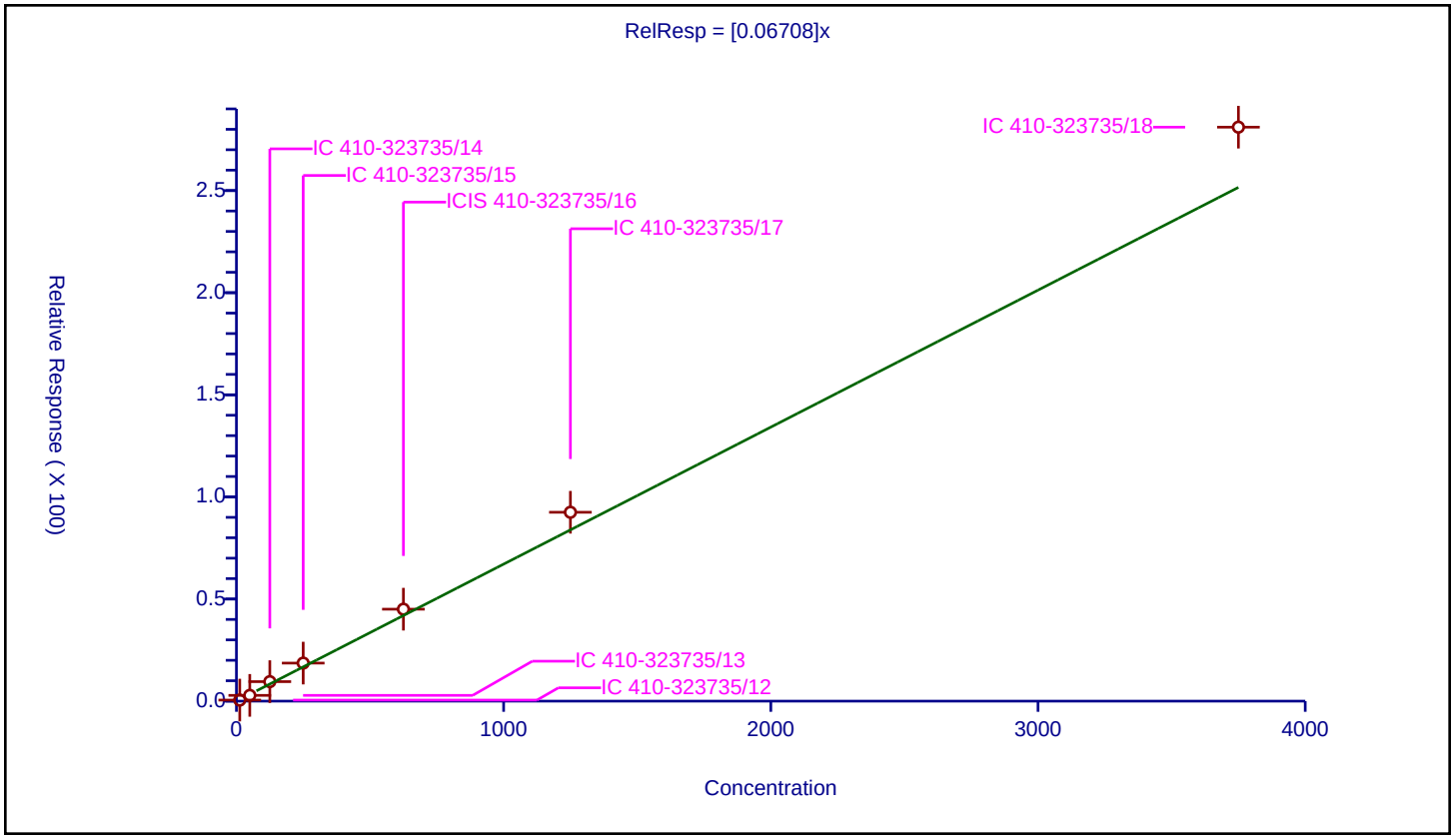
Curve Coefficients

Intercept:	0
Slope:	0.06708

Error Coefficients

Standard Error:	269000
Relative Standard Error:	19.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	12.5	0.51609	250.0	541572.0	0.041287	Y
2	IC 410-323735/13	50.0	2.819501	250.0	510640.0	0.05639	Y
3	IC 410-323735/14	125.0	9.548982	250.0	496100.0	0.076392	Y
4	IC 410-323735/15	250.0	18.636135	250.0	526665.0	0.074545	Y
5	ICIS 410-323735/16	625.0	45.023001	250.0	543239.0	0.072037	Y
6	IC 410-323735/17	1250.0	92.483766	250.0	536532.0	0.073987	Y
7	IC 410-323735/18	3750.0	281.059436	250.0	551161.0	0.074949	Y



Calibration / Dibromomethane

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

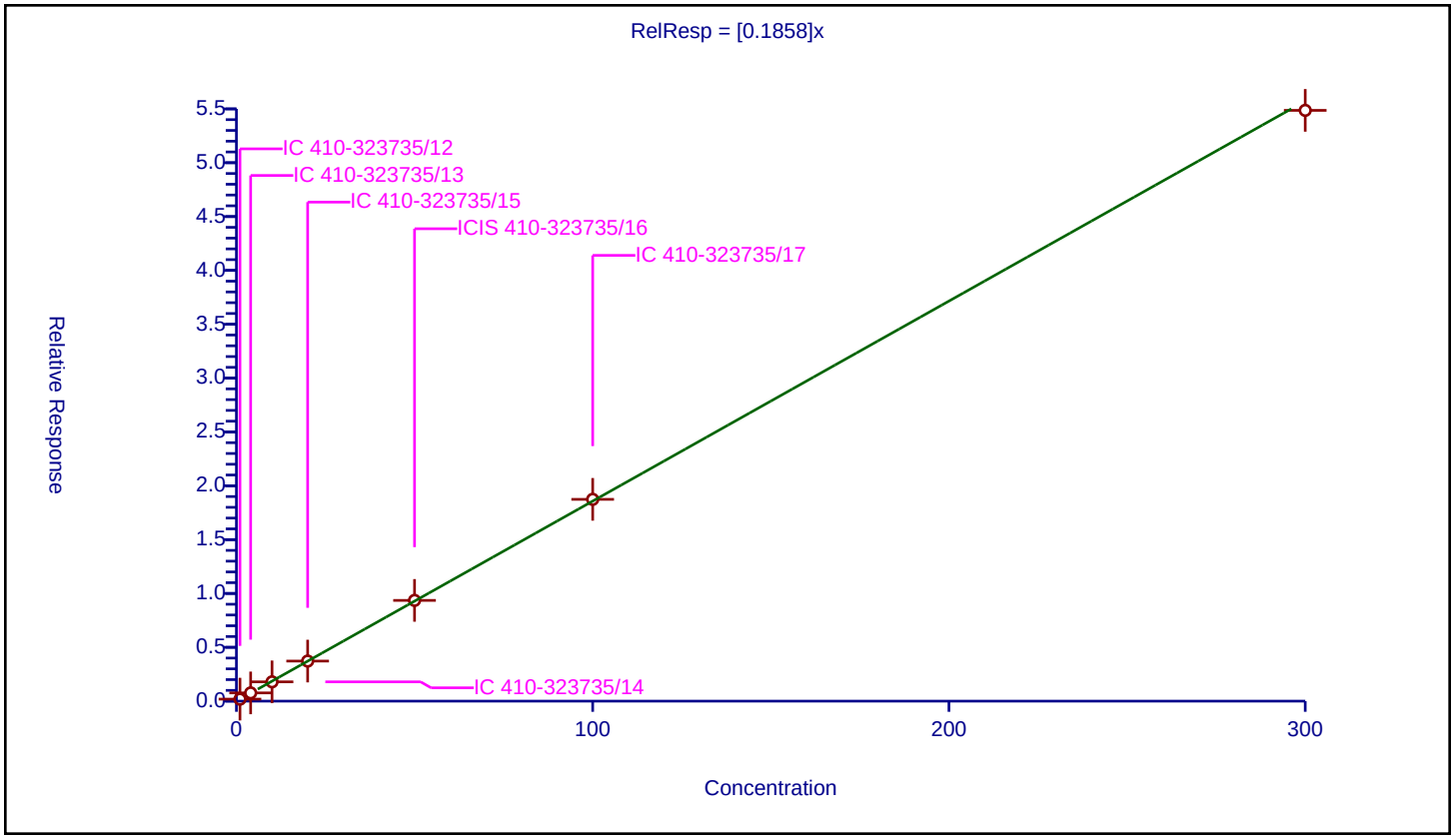
Curve Coefficients

Intercept:	0
Slope:	0.1858

Error Coefficients

Standard Error:	628000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.186506	50.0	1283340.0	0.186506	Y
2	IC 410-323735/13	4.0	0.764419	50.0	1302951.0	0.191105	Y
3	IC 410-323735/14	10.0	1.792599	50.0	1296302.0	0.17926	Y
4	IC 410-323735/15	20.0	3.721774	50.0	1283662.0	0.186089	Y
5	ICIS 410-323735/16	50.0	9.354469	50.0	1319829.0	0.187089	Y
6	IC 410-323735/17	100.0	18.738736	50.0	1301123.0	0.187387	Y
7	IC 410-323735/18	300.0	54.860808	50.0	1307293.0	0.182869	Y



Calibration / Dichlorobromomethane

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

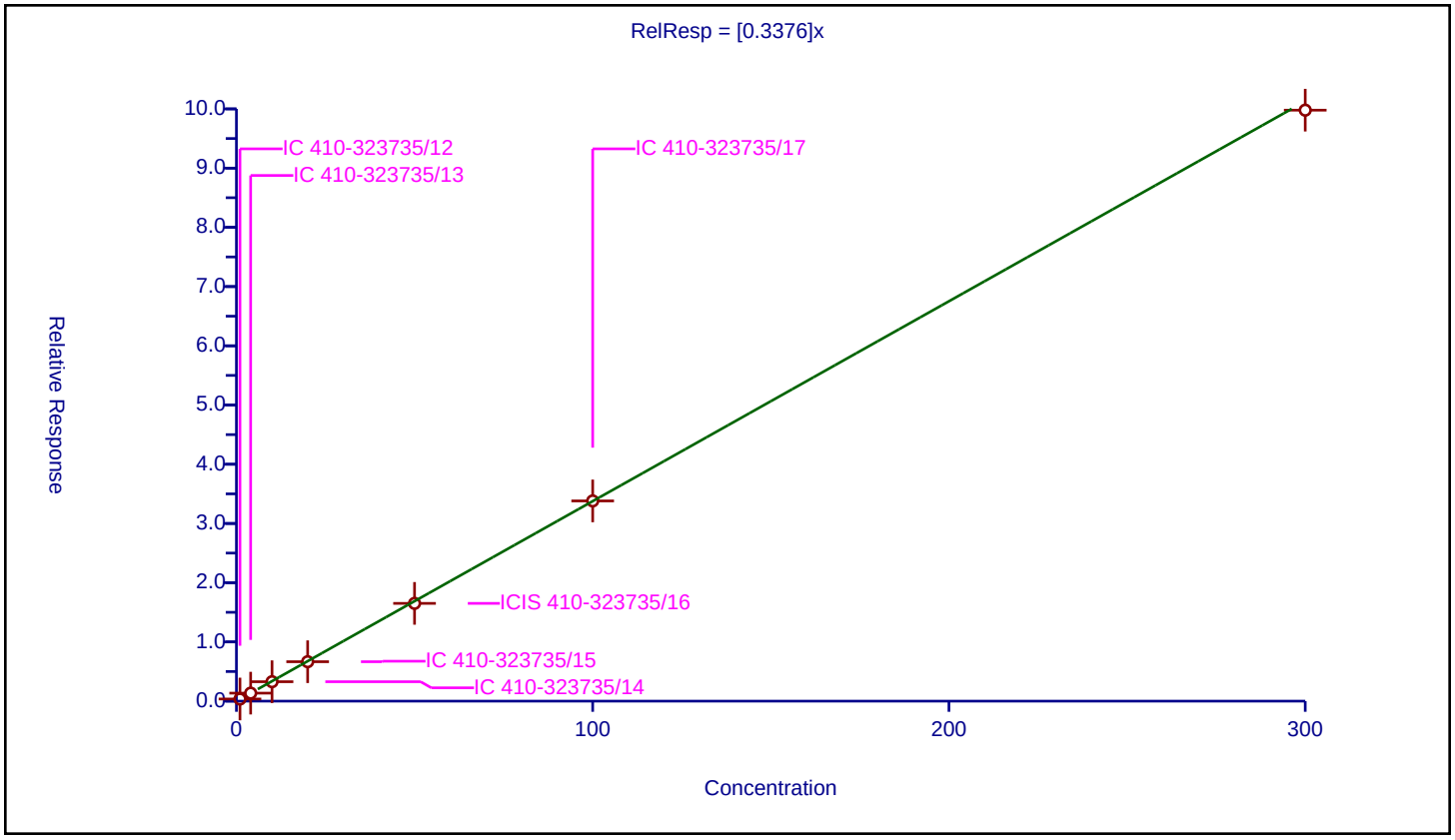
Curve Coefficients

Intercept:	0
Slope:	0.3376

Error Coefficients

Standard Error:	1140000
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 410-323735/12	1.0	0.362881	50.0	1283340.0	0.362881	Y
2	IC 410-323735/13	4.0	1.352775	50.0	1302951.0	0.338194	Y
3	IC 410-323735/14	10.0	3.282183	50.0	1296302.0	0.328218	Y
4	IC 410-323735/15	20.0	6.659892	50.0	1283662.0	0.332995	Y
5	ICIS 410-323735/16	50.0	16.508843	50.0	1319829.0	0.330177	Y
6	IC 410-323735/17	100.0	33.808679	50.0	1301123.0	0.338087	Y
7	IC 410-323735/18	300.0	99.784172	50.0	1307293.0	0.332614	Y



Calibration / 2-Nitropropane

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

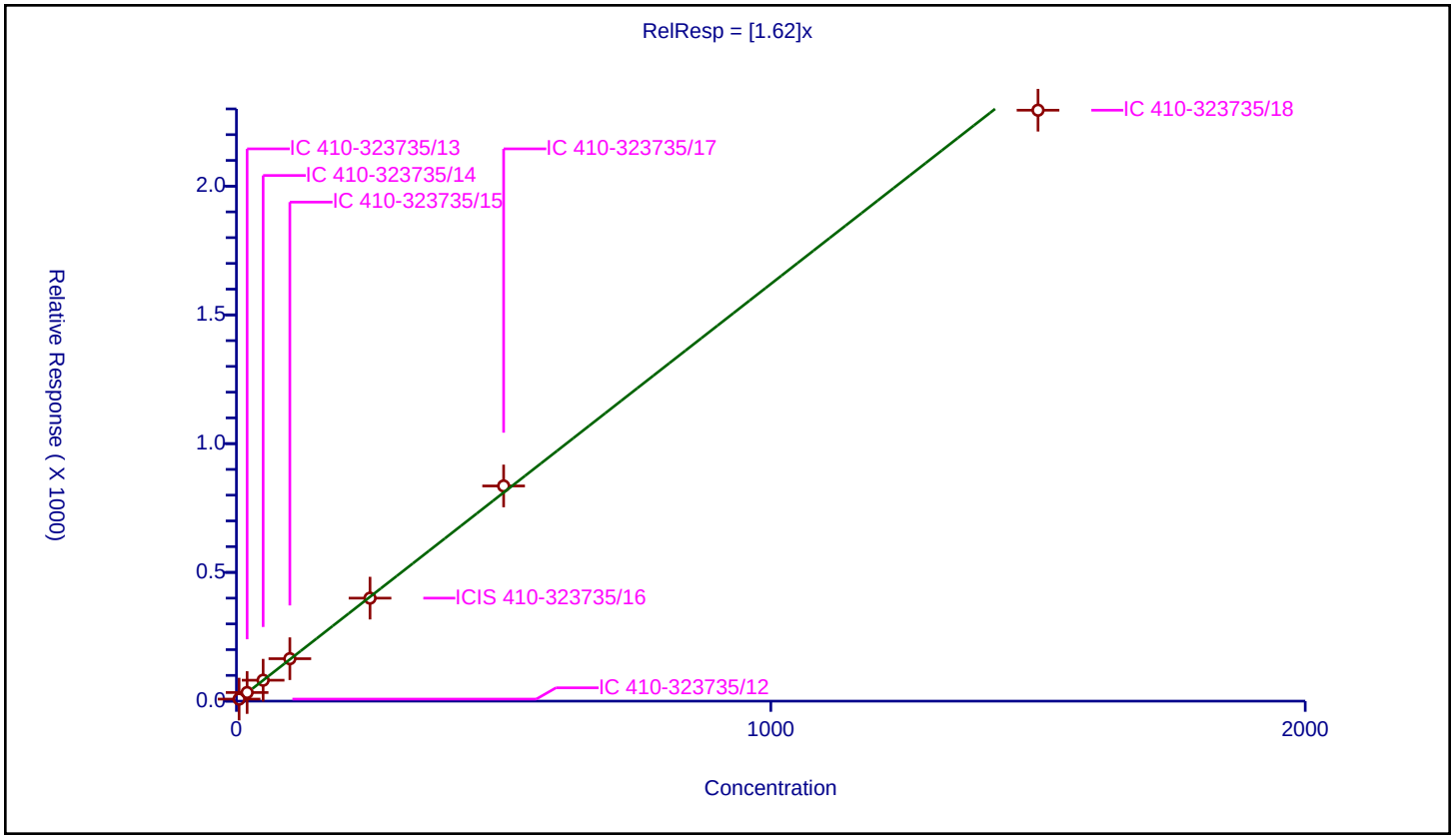
Curve Coefficients

Intercept:	0
Slope:	1.62

Error Coefficients

Standard Error:	2220000
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 410-323735/12	5.0	7.96016	250.0	541572.0	1.592032	Y
2	IC 410-323735/13	20.0	33.489836	250.0	510640.0	1.674492	Y
3	IC 410-323735/14	50.0	81.204898	250.0	496100.0	1.624098	Y
4	IC 410-323735/15	100.0	164.870458	250.0	526665.0	1.648705	Y
5	ICIS 410-323735/16	250.0	400.003037	250.0	543239.0	1.600012	Y
6	IC 410-323735/17	500.0	835.678021	250.0	536532.0	1.671356	Y
7	IC 410-323735/18	1500.0	2294.893416	250.0	551161.0	1.529929	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

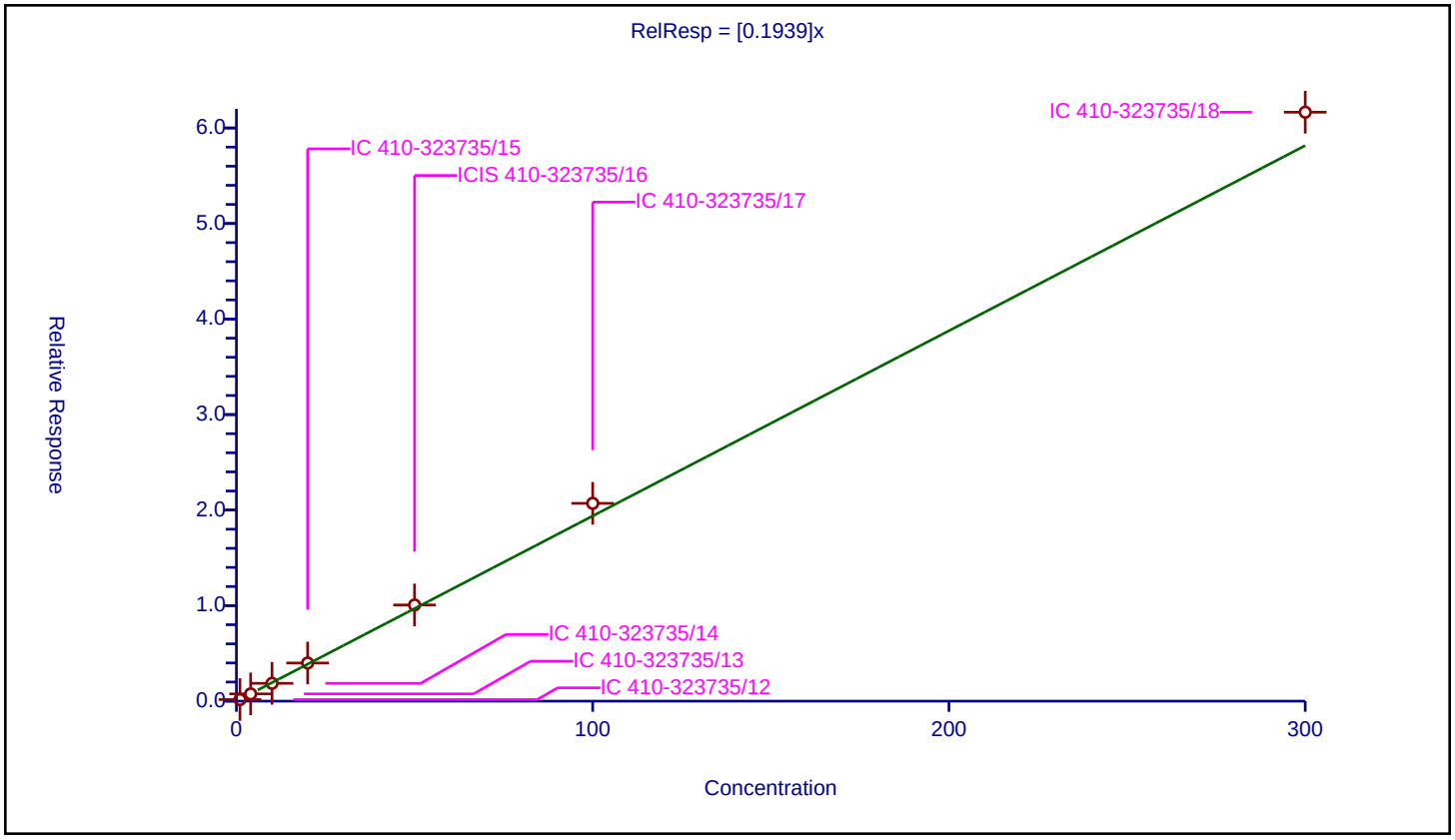
Curve Coefficients

Intercept:	0
Slope:	0.1939

Error Coefficients

Standard Error:	704000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.167103	50.0	1283340.0	0.167103	Y
2	IC 410-323735/13	4.0	0.759507	50.0	1302951.0	0.189877	Y
3	IC 410-323735/14	10.0	1.86438	50.0	1296302.0	0.186438	Y
4	IC 410-323735/15	20.0	3.992912	50.0	1283662.0	0.199646	Y
5	ICIS 410-323735/16	50.0	10.068842	50.0	1319829.0	0.201377	Y
6	IC 410-323735/17	100.0	20.706574	50.0	1301123.0	0.207066	Y
7	IC 410-323735/18	300.0	61.650831	50.0	1307293.0	0.205503	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

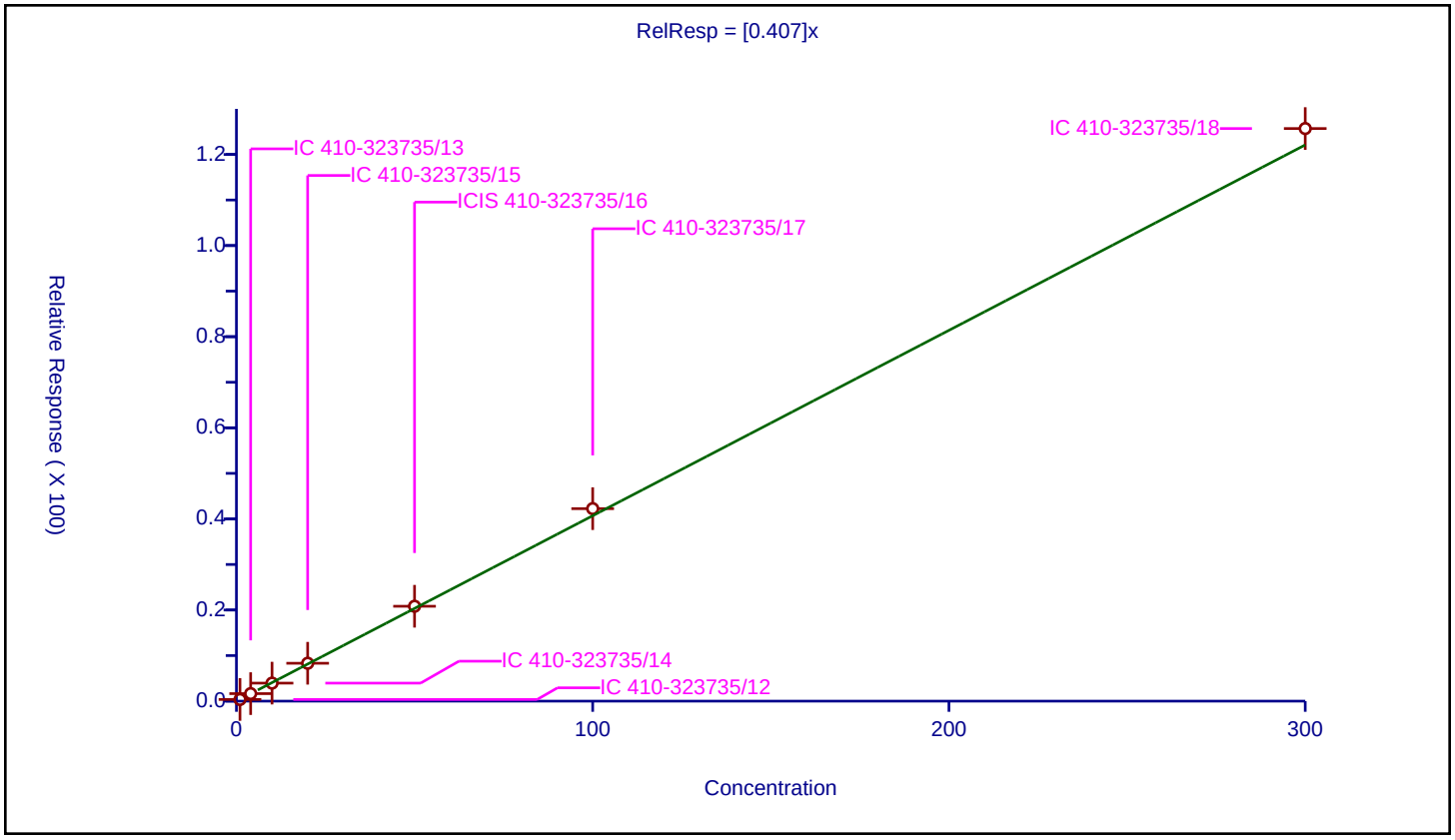
Curve Coefficients

Intercept:	0
Slope:	0.407

Error Coefficients

Standard Error:	1440000
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 410-323735/12	1.0	0.366349	50.0	1283340.0	0.366349	Y
2	IC 410-323735/13	4.0	1.653362	50.0	1302951.0	0.413341	Y
3	IC 410-323735/14	10.0	3.952397	50.0	1296302.0	0.39524	Y
4	IC 410-323735/15	20.0	8.315624	50.0	1283662.0	0.415781	Y
5	ICIS 410-323735/16	50.0	20.829933	50.0	1319829.0	0.416599	Y
6	IC 410-323735/17	100.0	42.251501	50.0	1301123.0	0.422515	Y
7	IC 410-323735/18	300.0	125.684984	50.0	1307293.0	0.41895	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

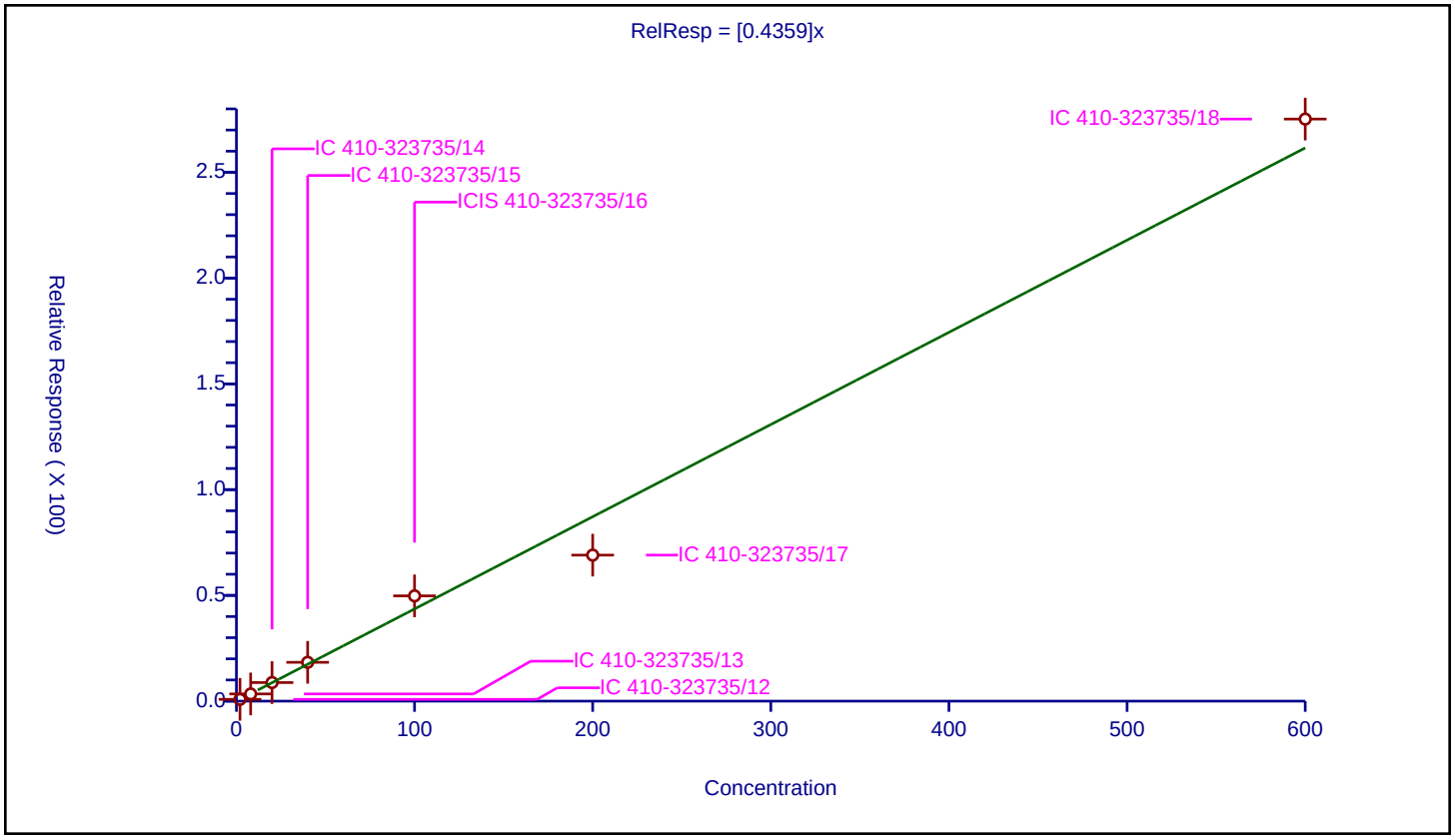
Curve Coefficients

Intercept:	0
Slope:	0.4359

Error Coefficients

Standard Error:	3080000
Relative Standard Error:	10.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	2.0	0.853671	50.0	1283340.0	0.426835	Y
2	IC 410-323735/13	8.0	3.399821	50.0	1302951.0	0.424978	Y
3	IC 410-323735/14	20.0	8.7858	50.0	1296302.0	0.43929	Y
4	IC 410-323735/15	40.0	18.349184	50.0	1283662.0	0.45873	Y
5	ICIS 410-323735/16	100.0	49.773115	50.0	1319829.0	0.497731	Y
6	IC 410-323735/17	200.0	69.037785	50.0	1301123.0	0.345189	Y
7	IC 410-323735/18	600.0	275.185632	50.0	1307293.0	0.458643	Y



Calibration / Toluene-d8 (Surr)

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

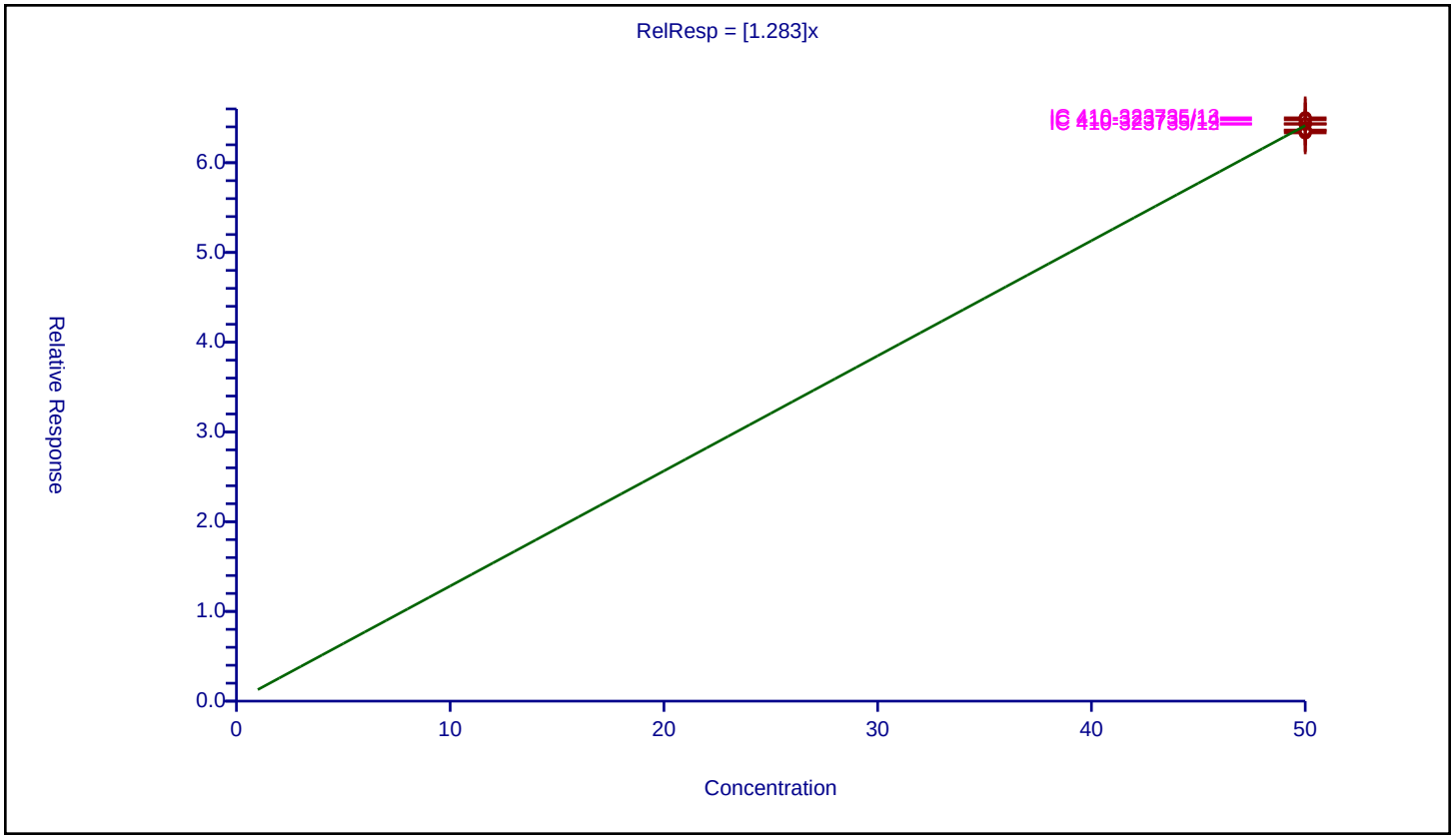
Curve Coefficients

Intercept:	0
Slope:	1.283

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	1.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	50.0	64.362798	50.0	988902.0	1.287256	Y
2	IC 410-323735/13	50.0	65.007481	50.0	989170.0	1.30015	Y
3	IC 410-323735/14	50.0	64.787244	50.0	993133.0	1.295745	Y
4	IC 410-323735/15	50.0	64.291677	50.0	993141.0	1.285834	Y
5	ICIS 410-323735/16	50.0	63.55557	50.0	1054596.0	1.271111	Y
6	IC 410-323735/17	50.0	63.647433	50.0	1031956.0	1.272949	Y
7	IC 410-323735/18	50.0	63.326272	50.0	1066296.0	1.266525	Y



Calibration / Toluene

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

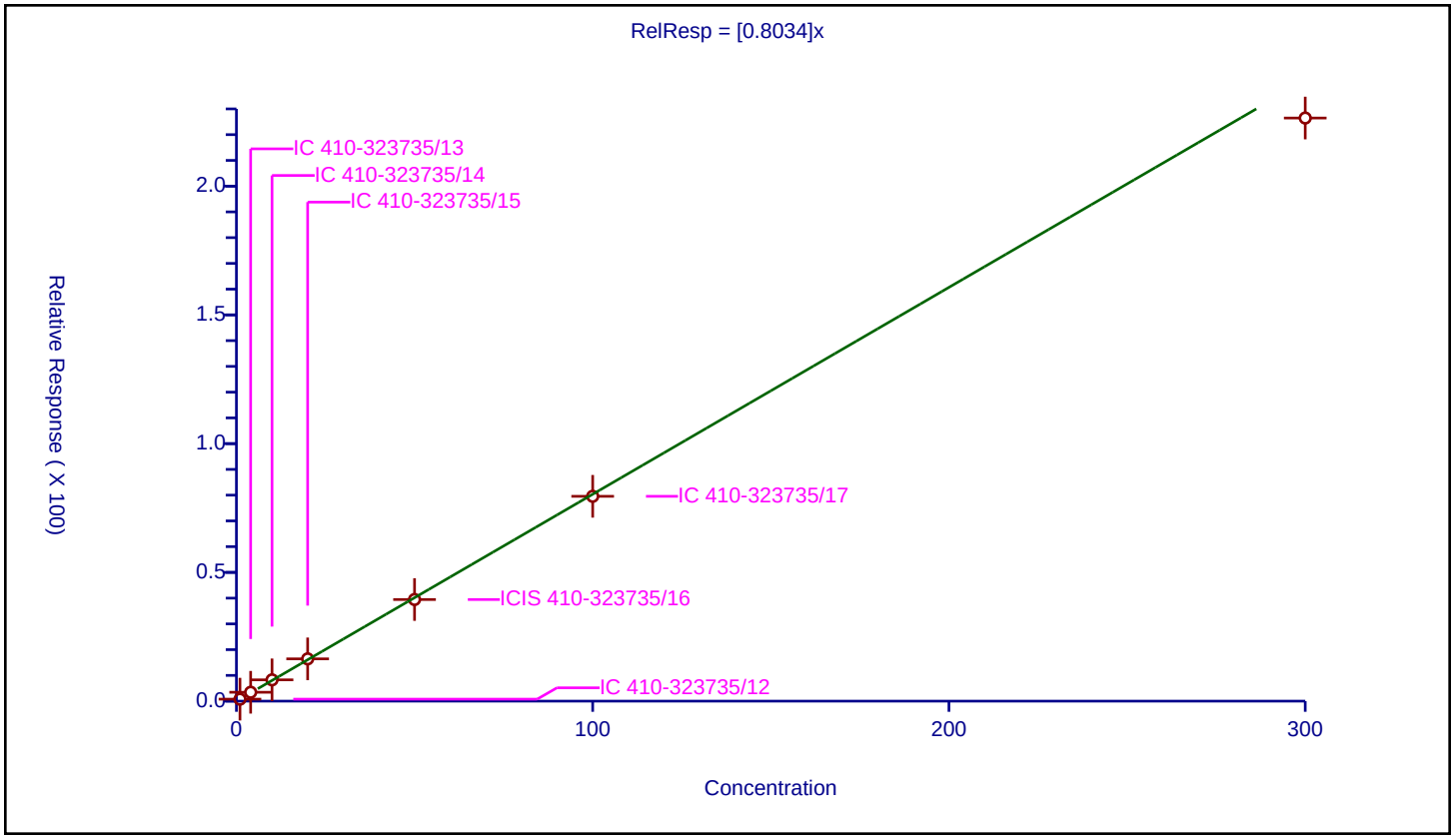
Curve Coefficients

Intercept:	0
Slope:	0.8034

Error Coefficients

Standard Error:	2120000
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 410-323735/12	1.0	0.773686	50.0	988902.0	0.773686	Y
2	IC 410-323735/13	4.0	3.45153	50.0	989170.0	0.862883	Y
3	IC 410-323735/14	10.0	8.269738	50.0	993133.0	0.826974	Y
4	IC 410-323735/15	20.0	16.420931	50.0	993141.0	0.821047	Y
5	ICIS 410-323735/16	50.0	39.459945	50.0	1054596.0	0.789199	Y
6	IC 410-323735/17	100.0	79.547045	50.0	1031956.0	0.79547	Y
7	IC 410-323735/18	300.0	226.447206	50.0	1066296.0	0.754824	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

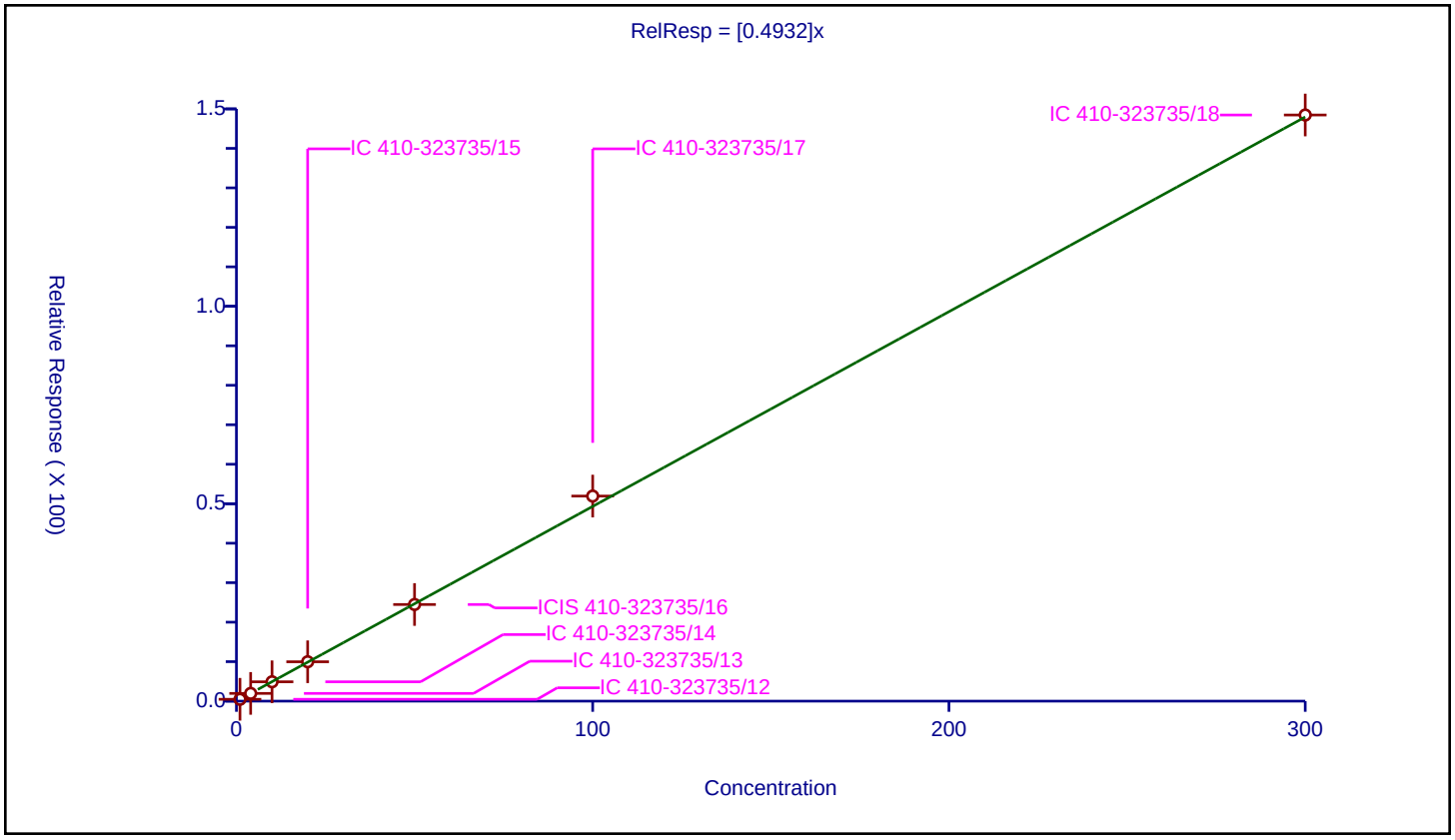
Curve Coefficients

Intercept:	0
Slope:	0.4932

Error Coefficients

Standard Error:	1380000
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 410-323735/12	1.0	0.469612	50.0	988902.0	0.469612	Y
2	IC 410-323735/13	4.0	1.959977	50.0	989170.0	0.489994	Y
3	IC 410-323735/14	10.0	4.902818	50.0	993133.0	0.490282	Y
4	IC 410-323735/15	20.0	9.974163	50.0	993141.0	0.498708	Y
5	ICIS 410-323735/16	50.0	24.476008	50.0	1054596.0	0.48952	Y
6	IC 410-323735/17	100.0	51.937001	50.0	1031956.0	0.51937	Y
7	IC 410-323735/18	300.0	148.453994	50.0	1066296.0	0.494847	Y



Calibration / Ethyl methacrylate

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

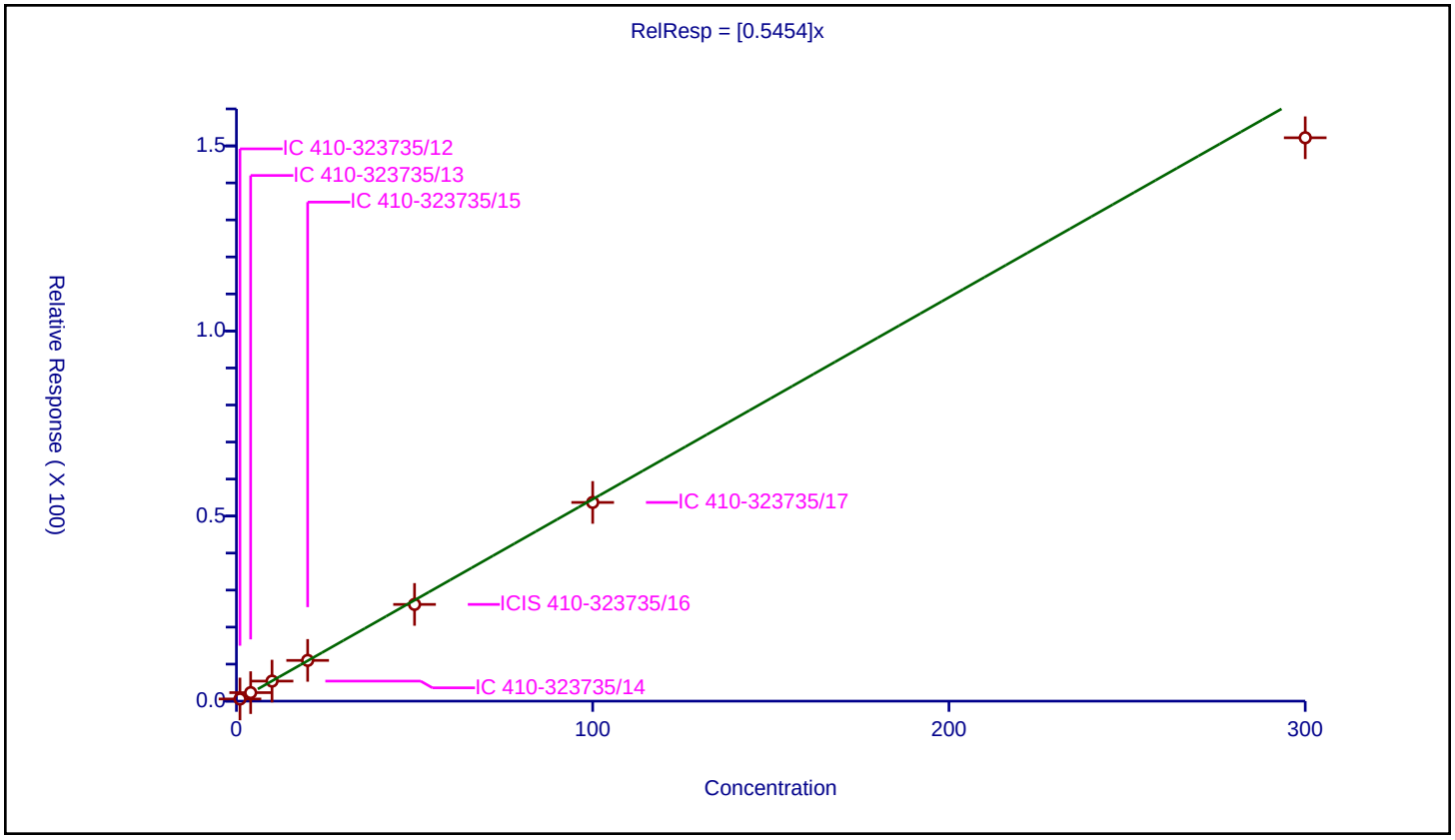
Curve Coefficients

Intercept:	0
Slope:	0.5454

Error Coefficients

Standard Error:	1420000
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 410-323735/12	1.0	0.584689	50.0	988902.0	0.584689	Y
2	IC 410-323735/13	4.0	2.299504	50.0	989170.0	0.574876	Y
3	IC 410-323735/14	10.0	5.412467	50.0	993133.0	0.541247	Y
4	IC 410-323735/15	20.0	11.006594	50.0	993141.0	0.55033	Y
5	ICIS 410-323735/16	50.0	26.131334	50.0	1054596.0	0.522627	Y
6	IC 410-323735/17	100.0	53.677918	50.0	1031956.0	0.536779	Y
7	IC 410-323735/18	300.0	152.203141	50.0	1066296.0	0.507344	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

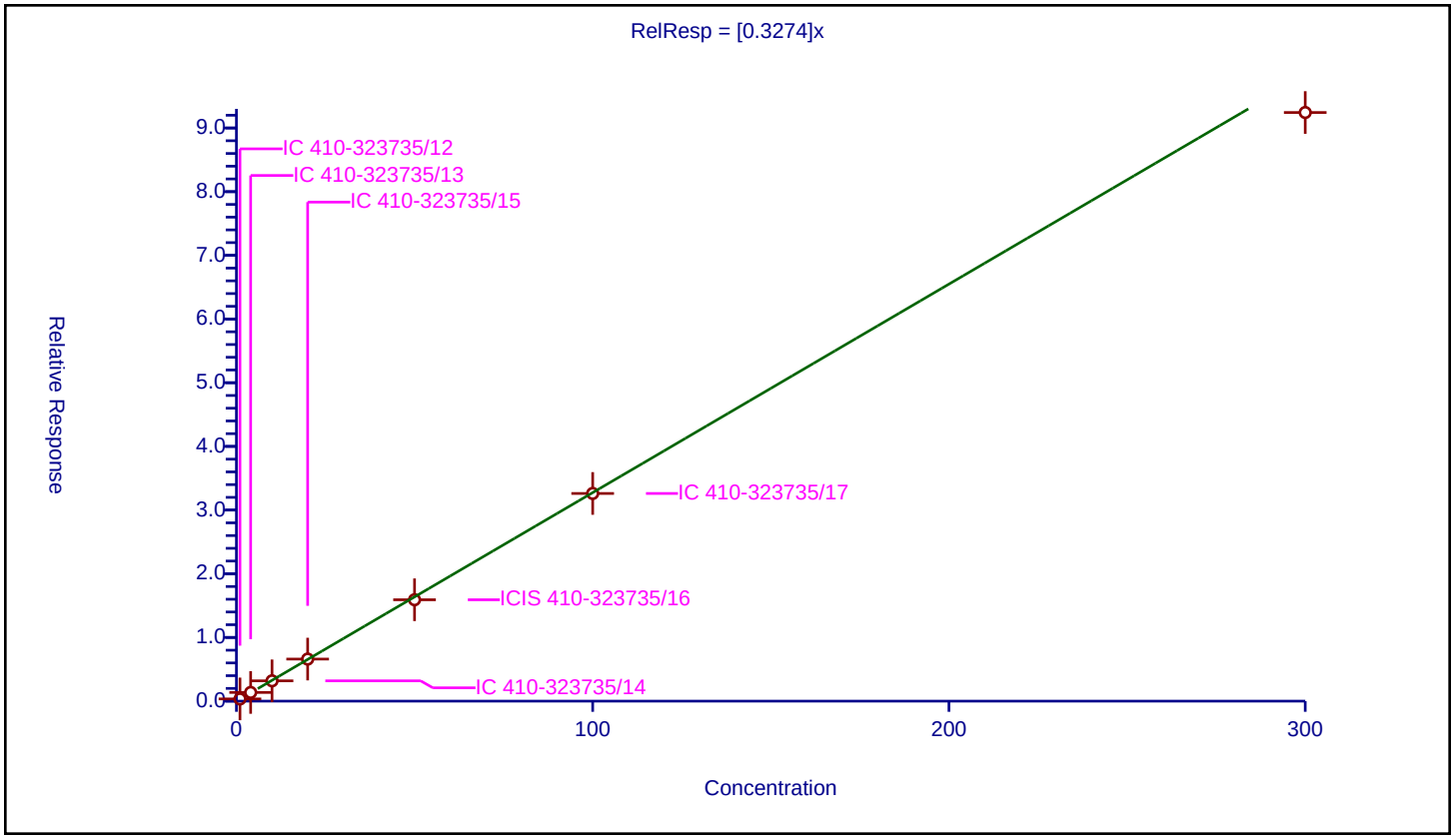
Curve Coefficients

Intercept:	0
Slope:	0.3274

Error Coefficients

Standard Error:	863000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.348316	50.0	988902.0	0.348316	Y
2	IC 410-323735/13	4.0	1.366954	50.0	989170.0	0.341739	Y
3	IC 410-323735/14	10.0	3.190912	50.0	993133.0	0.319091	Y
4	IC 410-323735/15	20.0	6.60445	50.0	993141.0	0.330222	Y
5	ICIS 410-323735/16	50.0	15.920077	50.0	1054596.0	0.318402	Y
6	IC 410-323735/17	100.0	32.612146	50.0	1031956.0	0.326121	Y
7	IC 410-323735/18	300.0	92.430948	50.0	1066296.0	0.308103	Y



Calibration / Tetrachloroethene

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

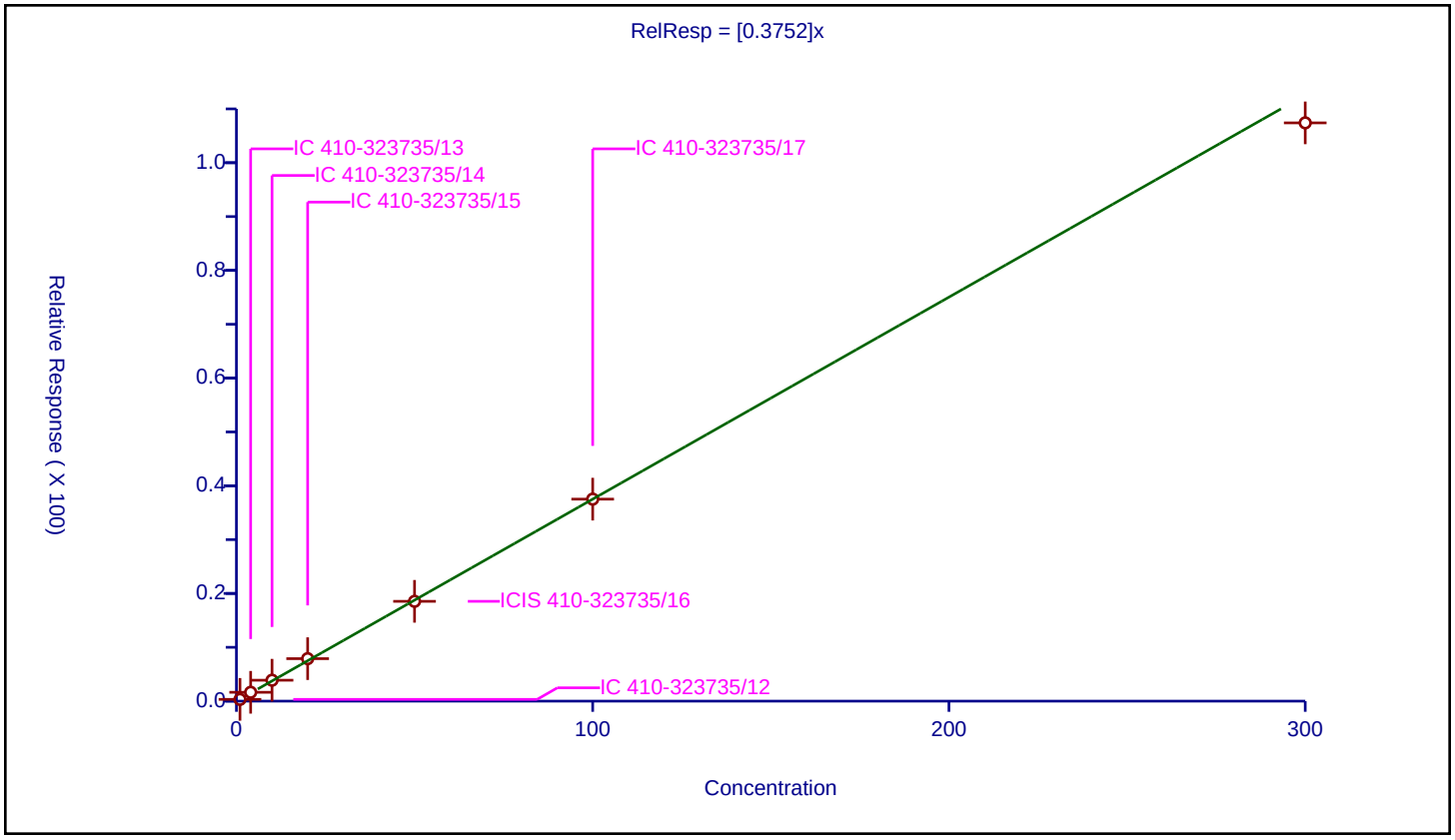
Curve Coefficients

Intercept:	0
Slope:	0.3752

Error Coefficients

Standard Error:	1000000
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 410-323735/12	1.0	0.327737	50.0	988902.0	0.327737	Y
2	IC 410-323735/13	4.0	1.644864	50.0	989170.0	0.411216	Y
3	IC 410-323735/14	10.0	3.88669	50.0	993133.0	0.388669	Y
4	IC 410-323735/15	20.0	7.892837	50.0	993141.0	0.394642	Y
5	ICIS 410-323735/16	50.0	18.53762	50.0	1054596.0	0.370752	Y
6	IC 410-323735/17	100.0	37.519042	50.0	1031956.0	0.37519	Y
7	IC 410-323735/18	300.0	107.405261	50.0	1066296.0	0.358018	Y



Calibration / 1,3-Dichloropropane

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

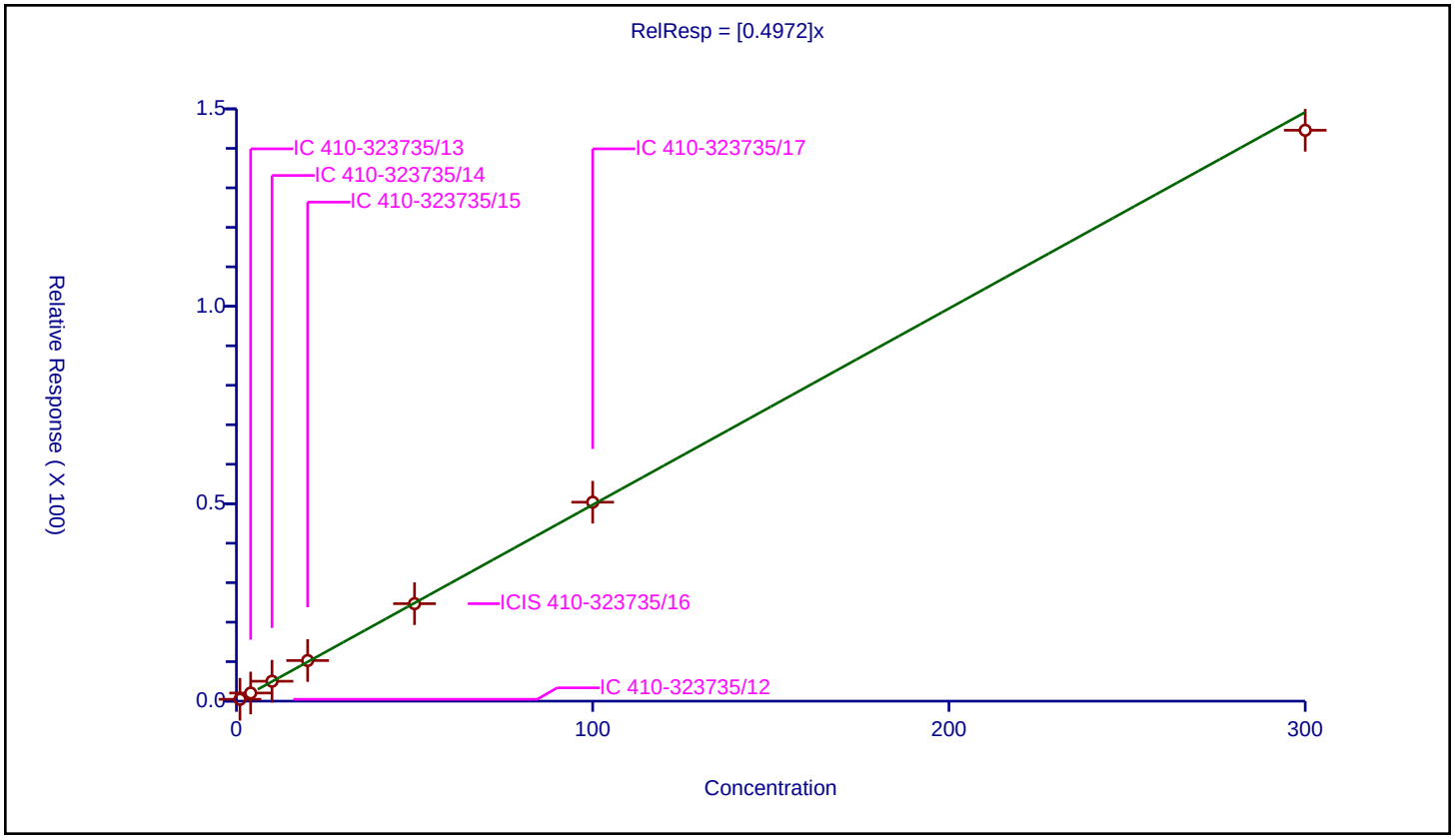
Curve Coefficients

Intercept:	0
Slope:	0.4972

Error Coefficients

Standard Error:	1350000
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 410-323735/12	1.0	0.467589	50.0	988902.0	0.467589	Y
2	IC 410-323735/13	4.0	2.060869	50.0	989170.0	0.515217	Y
3	IC 410-323735/14	10.0	5.040312	50.0	993133.0	0.504031	Y
4	IC 410-323735/15	20.0	10.281622	50.0	993141.0	0.514081	Y
5	ICIS 410-323735/16	50.0	24.688032	50.0	1054596.0	0.493761	Y
6	IC 410-323735/17	100.0	50.38553	50.0	1031956.0	0.503855	Y
7	IC 410-323735/18	300.0	144.589776	50.0	1066296.0	0.481966	Y



Calibration / 2-Hexanone

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

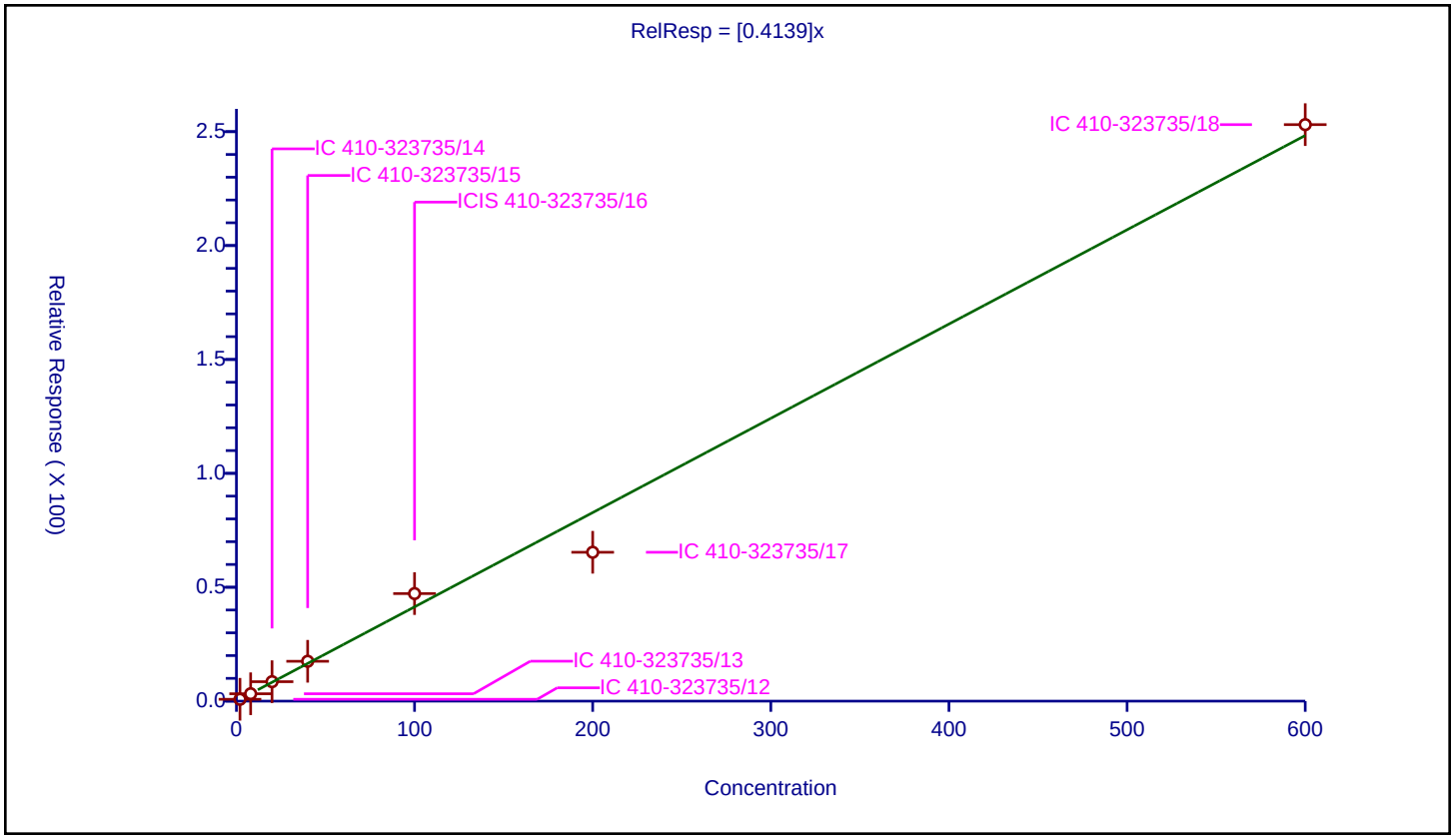
Curve Coefficients

Intercept:	0
Slope:	0.4139

Error Coefficients

Standard Error:	2310000
Relative Standard Error:	10.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	2.0	0.811152	50.0	988902.0	0.405576	Y
2	IC 410-323735/13	8.0	3.250048	50.0	989170.0	0.406256	Y
3	IC 410-323735/14	20.0	8.536973	50.0	993133.0	0.426849	Y
4	IC 410-323735/15	40.0	17.500335	50.0	993141.0	0.437508	Y
5	ICIS 410-323735/16	100.0	47.22012	50.0	1054596.0	0.472201	Y
6	IC 410-323735/17	200.0	65.357632	50.0	1031956.0	0.326788	Y
7	IC 410-323735/18	600.0	253.095201	50.0	1066296.0	0.421825	Y



Calibration / Chlorodibromomethane

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

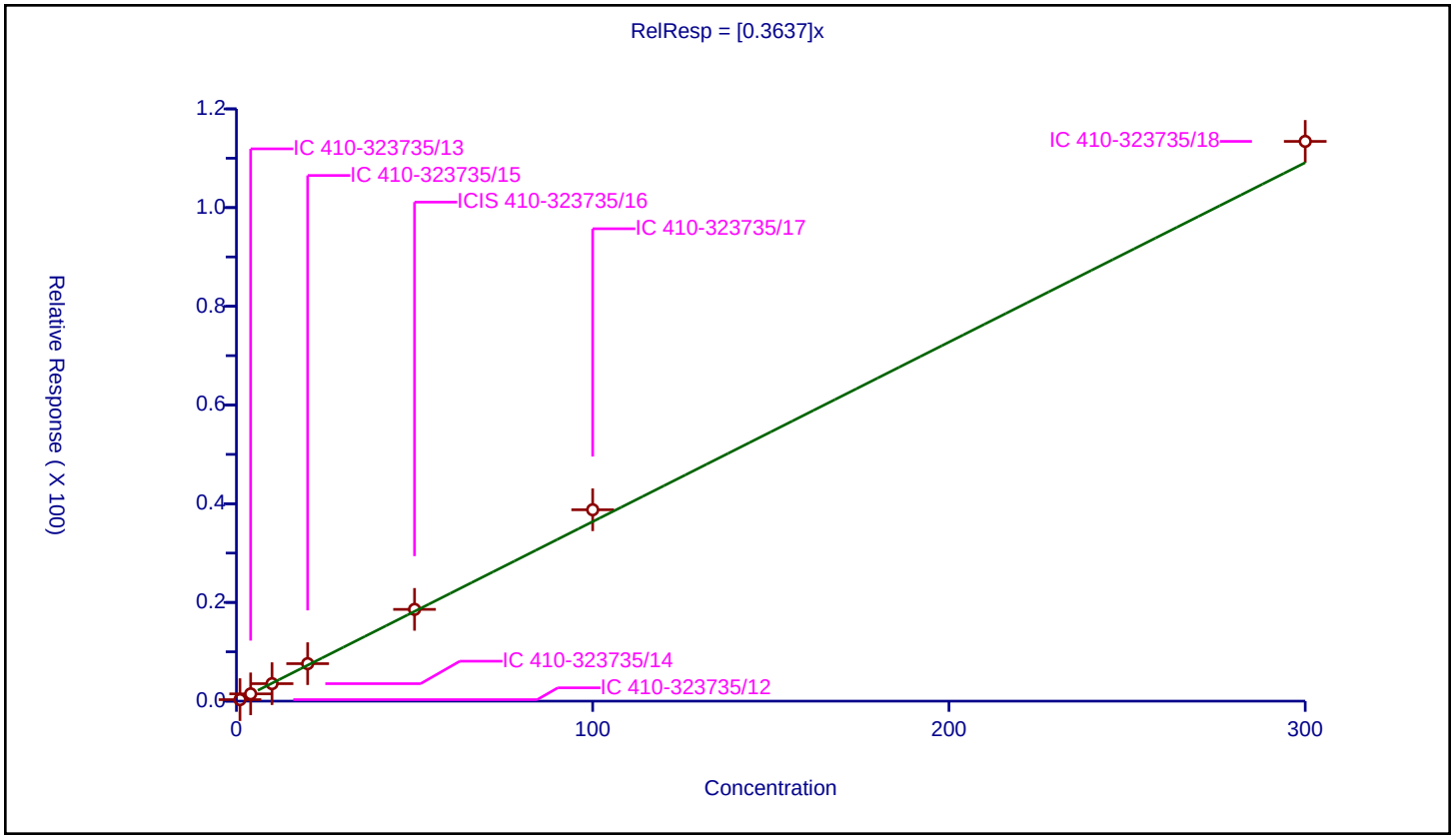
Curve Coefficients

Intercept:	0
Slope:	0.3637

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.305035	50.0	988902.0	0.305035	Y
2	IC 410-323735/13	4.0	1.476693	50.0	989170.0	0.369173	Y
3	IC 410-323735/14	10.0	3.542375	50.0	993133.0	0.354238	Y
4	IC 410-323735/15	20.0	7.596605	50.0	993141.0	0.37983	Y
5	ICIS 410-323735/16	50.0	18.593281	50.0	1054596.0	0.371866	Y
6	IC 410-323735/17	100.0	38.774085	50.0	1031956.0	0.387741	Y
7	IC 410-323735/18	300.0	113.414802	50.0	1066296.0	0.378049	Y



Calibration / Ethylene Dibromide

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

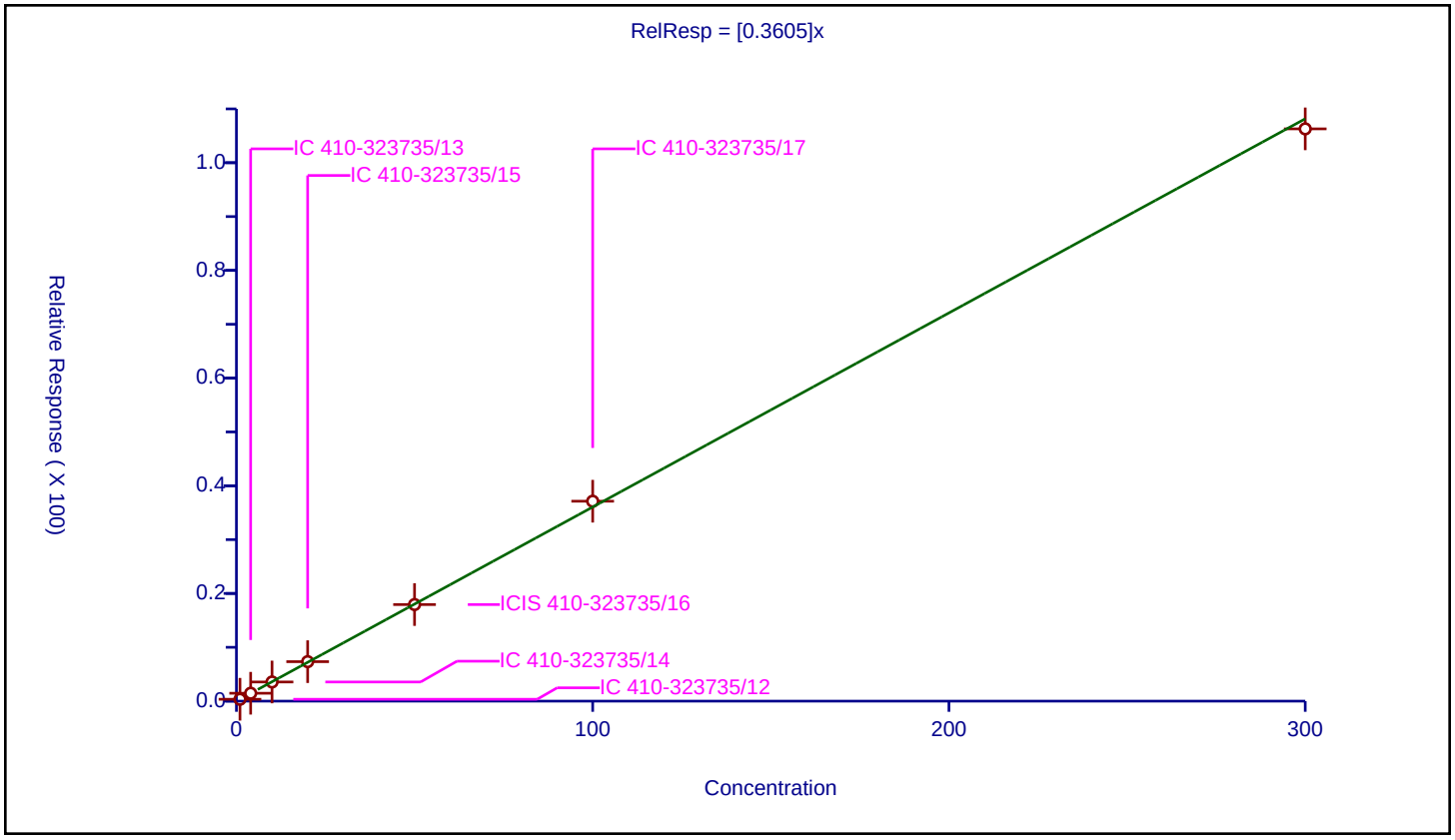
Curve Coefficients

Intercept:	0
Slope:	0.3605

Error Coefficients

Standard Error:	991000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.349934	50.0	988902.0	0.349934	Y
2	IC 410-323735/13	4.0	1.467038	50.0	989170.0	0.36676	Y
3	IC 410-323735/14	10.0	3.558788	50.0	993133.0	0.355879	Y
4	IC 410-323735/15	20.0	7.335162	50.0	993141.0	0.366758	Y
5	ICIS 410-323735/16	50.0	17.938907	50.0	1054596.0	0.358778	Y
6	IC 410-323735/17	100.0	37.130798	50.0	1031956.0	0.371308	Y
7	IC 410-323735/18	300.0	106.287654	50.0	1066296.0	0.354292	Y



Calibration / 1-Chlorohexane

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

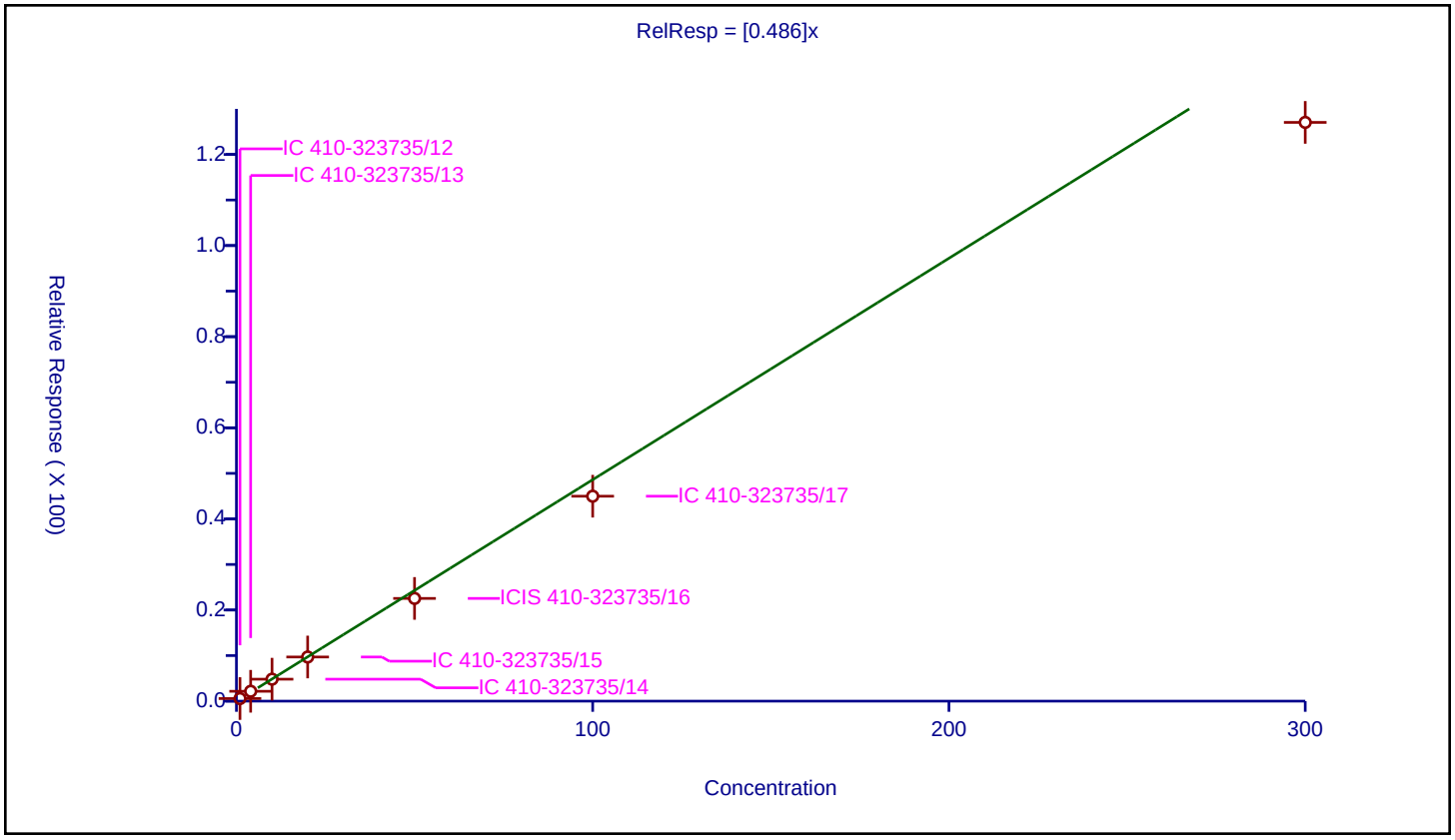
Curve Coefficients

Intercept:	0
Slope:	0.486

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	10.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.569318	50.0	988902.0	0.569318	Y
2	IC 410-323735/13	4.0	2.168131	50.0	989170.0	0.542033	Y
3	IC 410-323735/14	10.0	4.822315	50.0	993133.0	0.482231	Y
4	IC 410-323735/15	20.0	9.689762	50.0	993141.0	0.484488	Y
5	ICIS 410-323735/16	50.0	22.546169	50.0	1054596.0	0.450923	Y
6	IC 410-323735/17	100.0	44.983216	50.0	1031956.0	0.449832	Y
7	IC 410-323735/18	300.0	127.038083	50.0	1066296.0	0.42346	Y



Calibration / Chlorobenzene

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

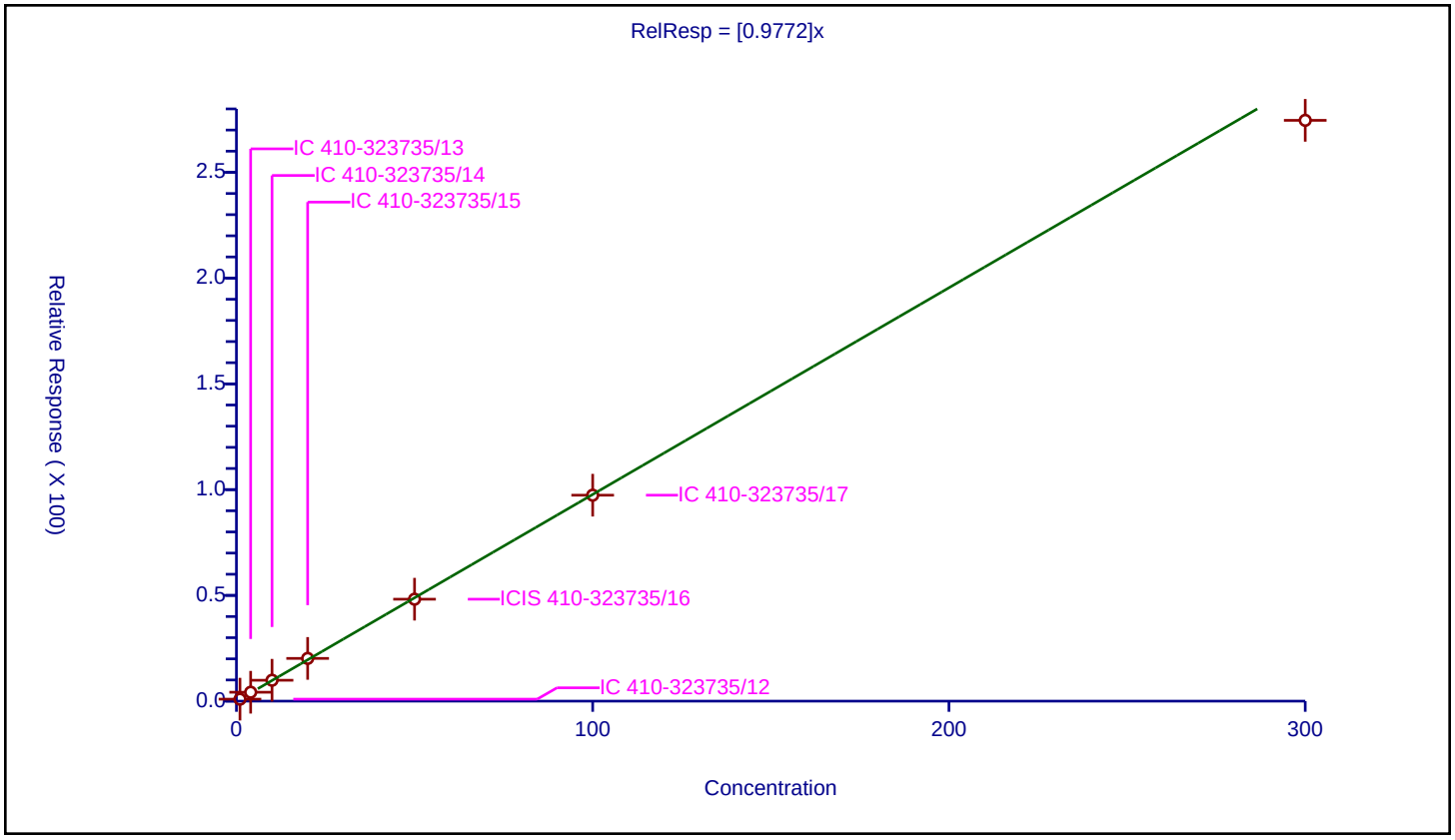
Curve Coefficients

Intercept:	0
Slope:	0.9772

Error Coefficients

Standard Error:	2570000
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 410-323735/12	1.0	0.935886	50.0	988902.0	0.935886	Y
2	IC 410-323735/13	4.0	4.217273	50.0	989170.0	1.054318	Y
3	IC 410-323735/14	10.0	9.873552	50.0	993133.0	0.987355	Y
4	IC 410-323735/15	20.0	20.197686	50.0	993141.0	1.009884	Y
5	ICIS 410-323735/16	50.0	48.193479	50.0	1054596.0	0.96387	Y
6	IC 410-323735/17	100.0	97.366554	50.0	1031956.0	0.973666	Y
7	IC 410-323735/18	300.0	274.579713	50.0	1066296.0	0.915266	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

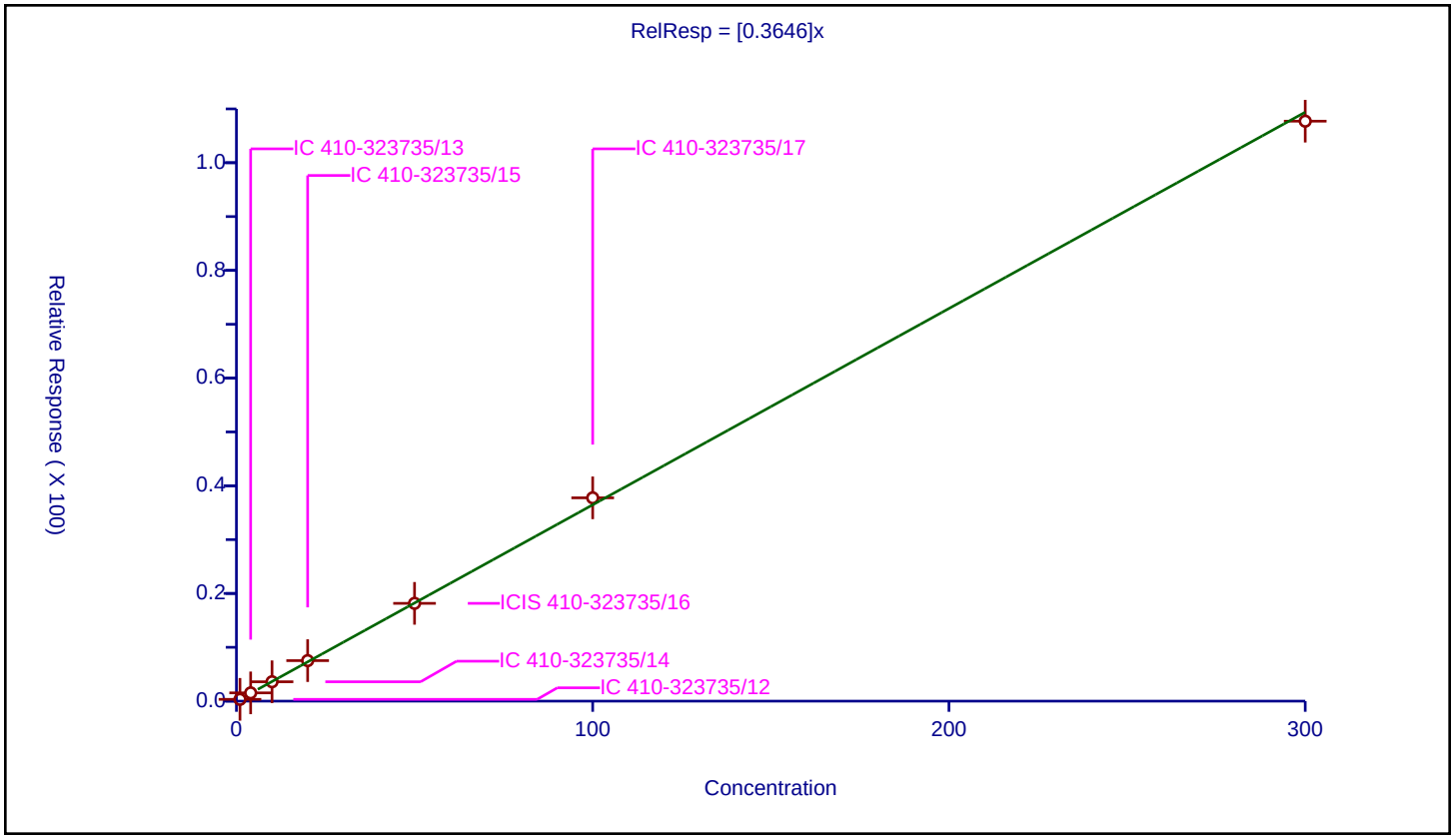
Curve Coefficients

Intercept:	0
Slope:	0.3646

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.332541	50.0	988902.0	0.332541	Y
2	IC 410-323735/13	4.0	1.533811	50.0	989170.0	0.383453	Y
3	IC 410-323735/14	10.0	3.600877	50.0	993133.0	0.360088	Y
4	IC 410-323735/15	20.0	7.526071	50.0	993141.0	0.376304	Y
5	ICIS 410-323735/16	50.0	18.16416	50.0	1054596.0	0.363283	Y
6	IC 410-323735/17	100.0	37.761542	50.0	1031956.0	0.377615	Y
7	IC 410-323735/18	300.0	107.717698	50.0	1066296.0	0.359059	Y



Calibration / Ethylbenzene

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

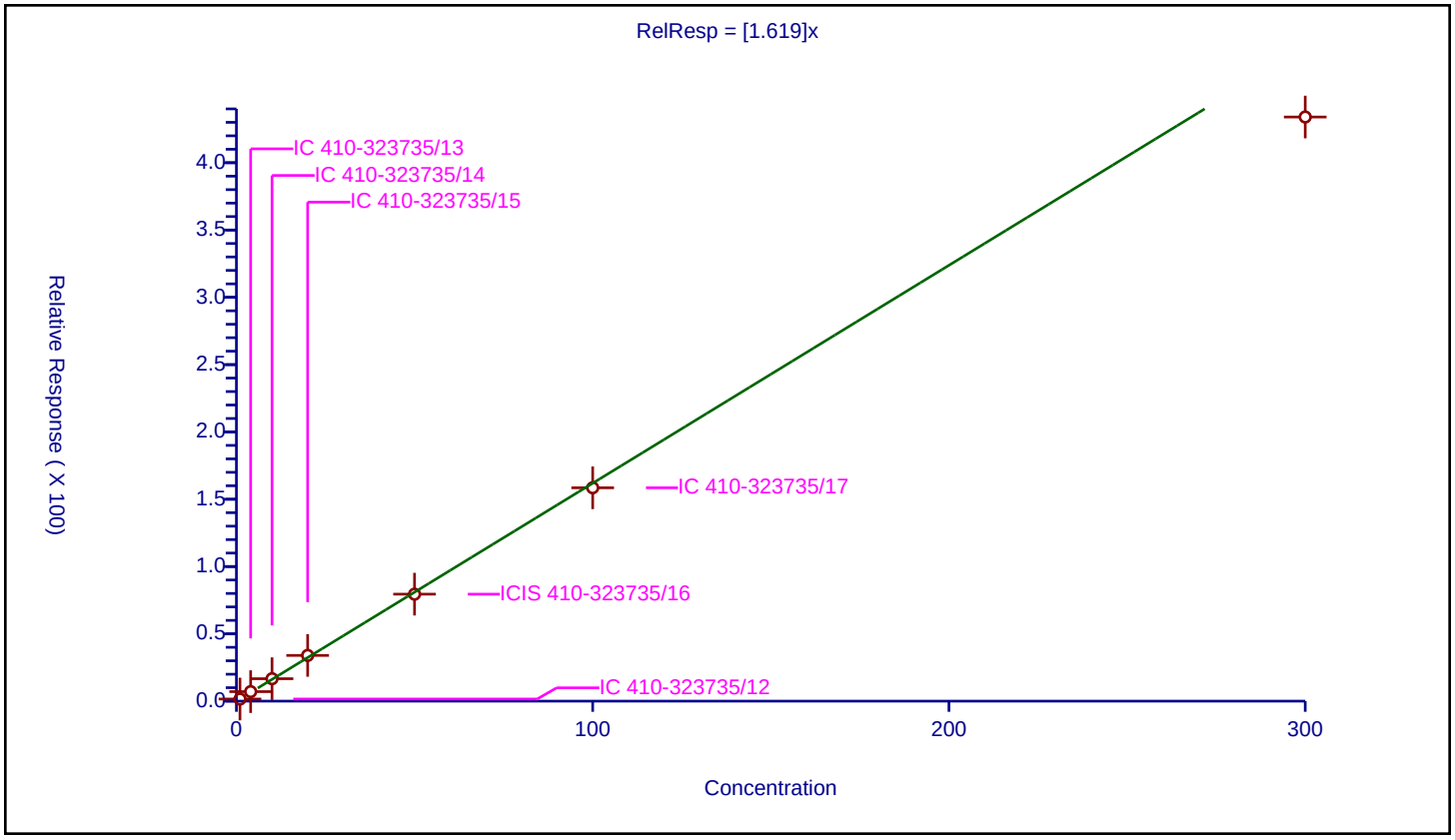
Curve Coefficients

Intercept:	0
Slope:	1.619

Error Coefficients

Standard Error:	4080000
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 410-323735/12	1.0	1.578771	50.0	988902.0	1.578771	Y
2	IC 410-323735/13	4.0	7.072748	50.0	989170.0	1.768187	Y
3	IC 410-323735/14	10.0	16.66524	50.0	993133.0	1.666524	Y
4	IC 410-323735/15	20.0	33.962146	50.0	993141.0	1.698107	Y
5	ICIS 410-323735/16	50.0	79.475173	50.0	1054596.0	1.589503	Y
6	IC 410-323735/17	100.0	158.507097	50.0	1031956.0	1.585071	Y
7	IC 410-323735/18	300.0	433.969367	50.0	1066296.0	1.446565	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

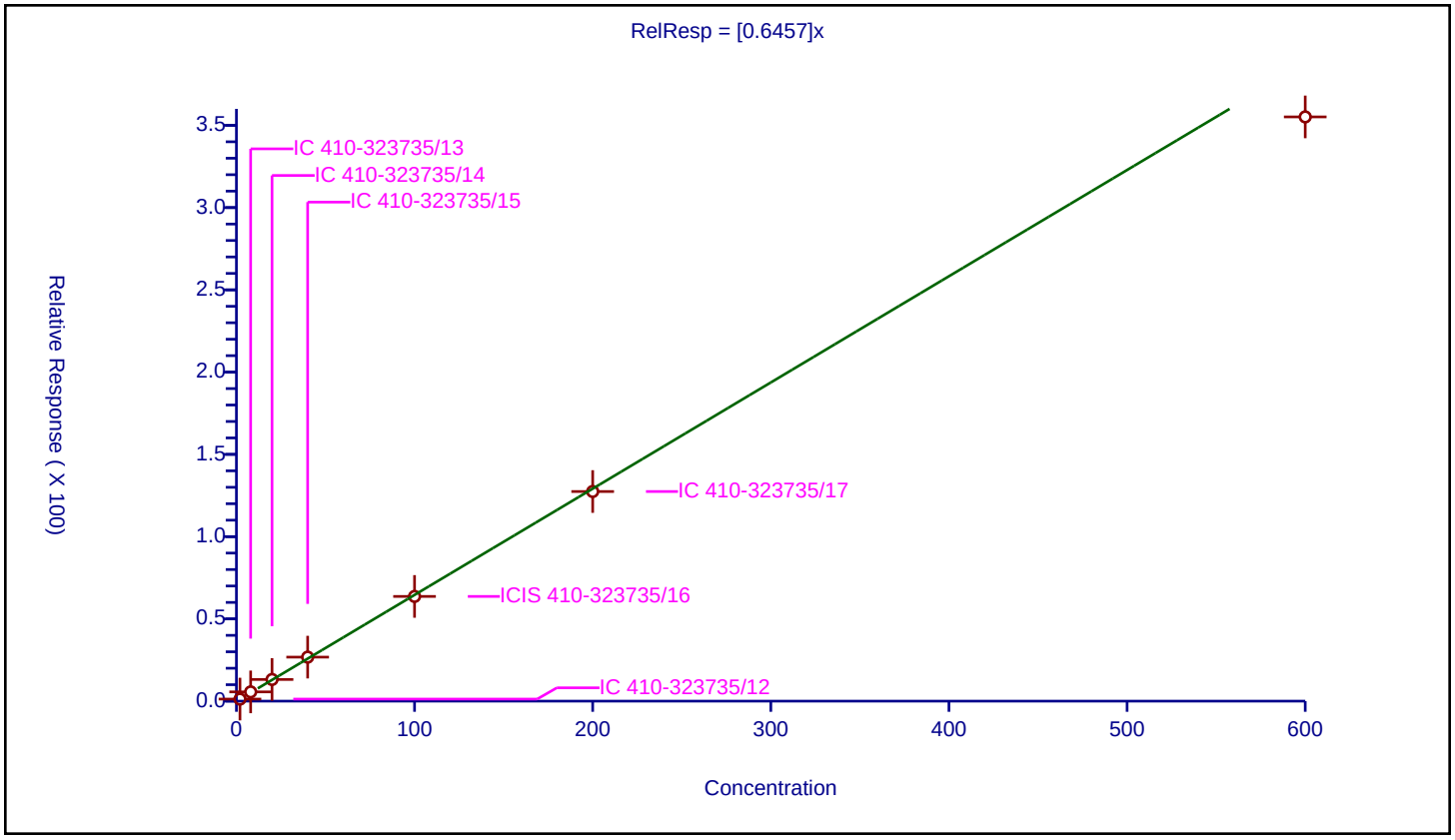
Curve Coefficients

Intercept:	0
Slope:	0.6457

Error Coefficients

Standard Error:	3330000
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 410-323735/12	2.0	1.247899	50.0	988902.0	0.62395	Y
2	IC 410-323735/13	8.0	5.62694	50.0	989170.0	0.703367	Y
3	IC 410-323735/14	20.0	13.164752	50.0	993133.0	0.658238	Y
4	IC 410-323735/15	40.0	26.749223	50.0	993141.0	0.668731	Y
5	ICIS 410-323735/16	100.0	63.645605	50.0	1054596.0	0.636456	Y
6	IC 410-323735/17	200.0	127.426557	50.0	1031956.0	0.637133	Y
7	IC 410-323735/18	600.0	355.118935	50.0	1066296.0	0.591865	Y



Calibration / o-Xylene

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

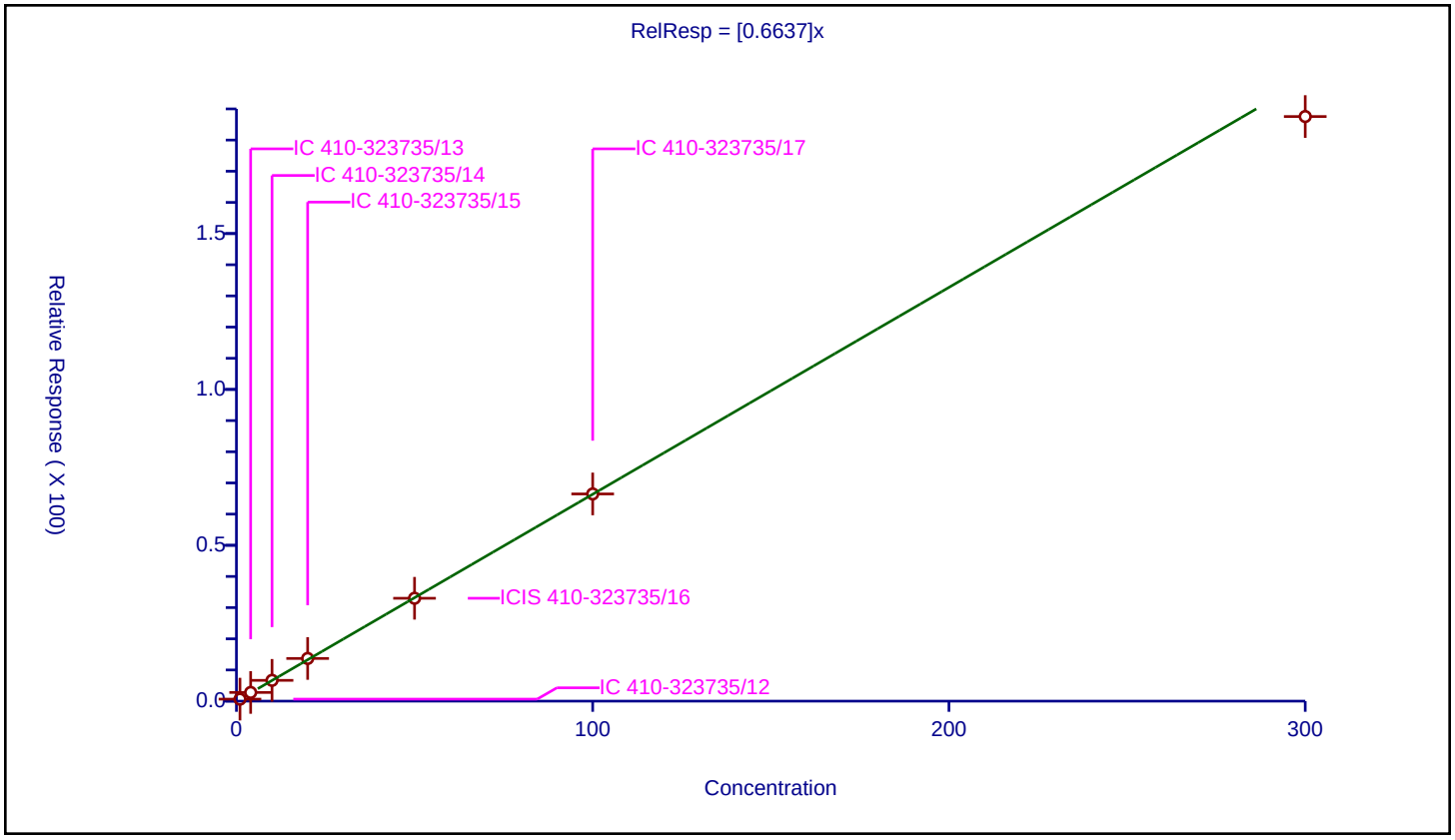
Curve Coefficients

Intercept:	0
Slope:	0.6637

Error Coefficients

Standard Error:	1750000
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 410-323735/12	1.0	0.647031	50.0	988902.0	0.647031	Y
2	IC 410-323735/13	4.0	2.787236	50.0	989170.0	0.696809	Y
3	IC 410-323735/14	10.0	6.672621	50.0	993133.0	0.667262	Y
4	IC 410-323735/15	20.0	13.69594	50.0	993141.0	0.684797	Y
5	ICIS 410-323735/16	50.0	33.005246	50.0	1054596.0	0.660105	Y
6	IC 410-323735/17	100.0	66.475945	50.0	1031956.0	0.664759	Y
7	IC 410-323735/18	300.0	187.550408	50.0	1066296.0	0.625168	Y



Calibration / Styrene

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

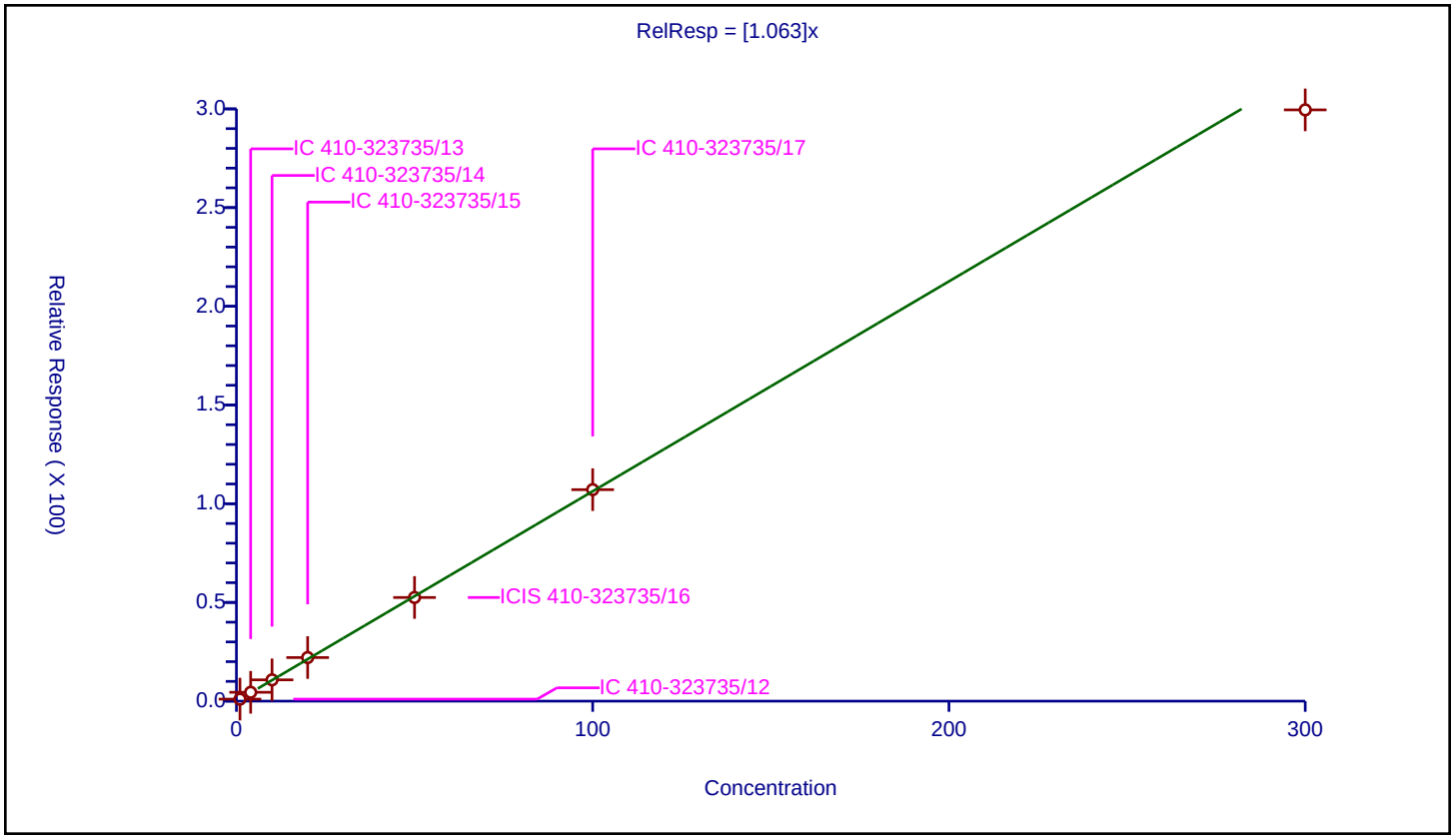
Curve Coefficients

Intercept:	0
Slope:	1.063

Error Coefficients

Standard Error:	2800000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	1.017644	50.0	988902.0	1.017644	Y
2	IC 410-323735/13	4.0	4.487399	50.0	989170.0	1.12185	Y
3	IC 410-323735/14	10.0	10.786118	50.0	993133.0	1.078612	Y
4	IC 410-323735/15	20.0	22.081004	50.0	993141.0	1.10405	Y
5	ICIS 410-323735/16	50.0	52.504845	50.0	1054596.0	1.050097	Y
6	IC 410-323735/17	100.0	107.128938	50.0	1031956.0	1.071289	Y
7	IC 410-323735/18	300.0	299.504312	50.0	1066296.0	0.998348	Y



Calibration / Bromoform

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

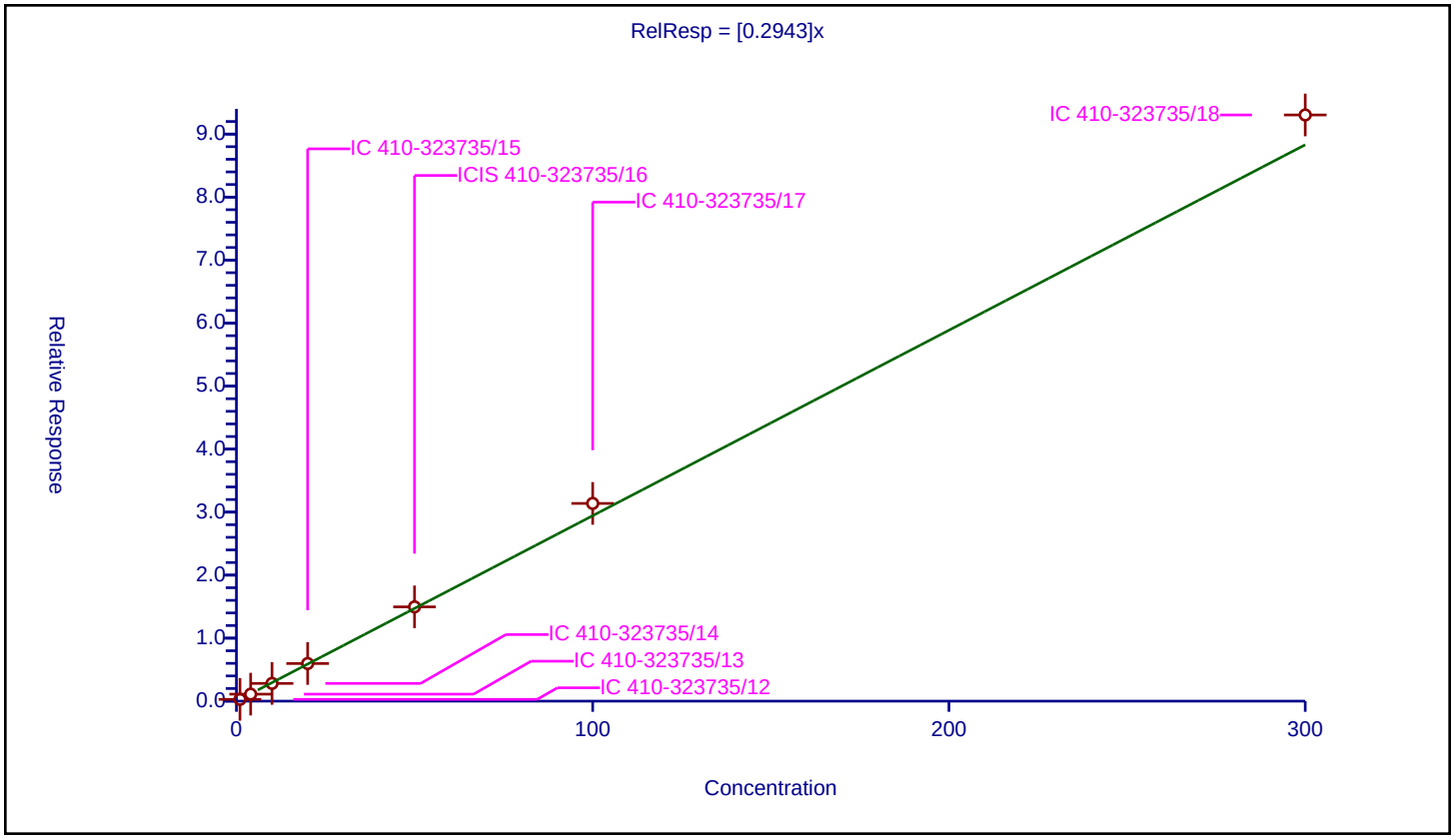
Curve Coefficients

Intercept:	0
Slope:	0.2943

Error Coefficients

Standard Error:	863000
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 410-323735/12	1.0	0.279704	50.0	988902.0	0.279704	Y
2	IC 410-323735/13	4.0	1.110325	50.0	989170.0	0.277581	Y
3	IC 410-323735/14	10.0	2.815031	50.0	993133.0	0.281503	Y
4	IC 410-323735/15	20.0	5.969595	50.0	993141.0	0.29848	Y
5	ICIS 410-323735/16	50.0	14.961274	50.0	1054596.0	0.299225	Y
6	IC 410-323735/17	100.0	31.380359	50.0	1031956.0	0.313804	Y
7	IC 410-323735/18	300.0	93.03669	50.0	1066296.0	0.310122	Y



Calibration / Isopropylbenzene

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

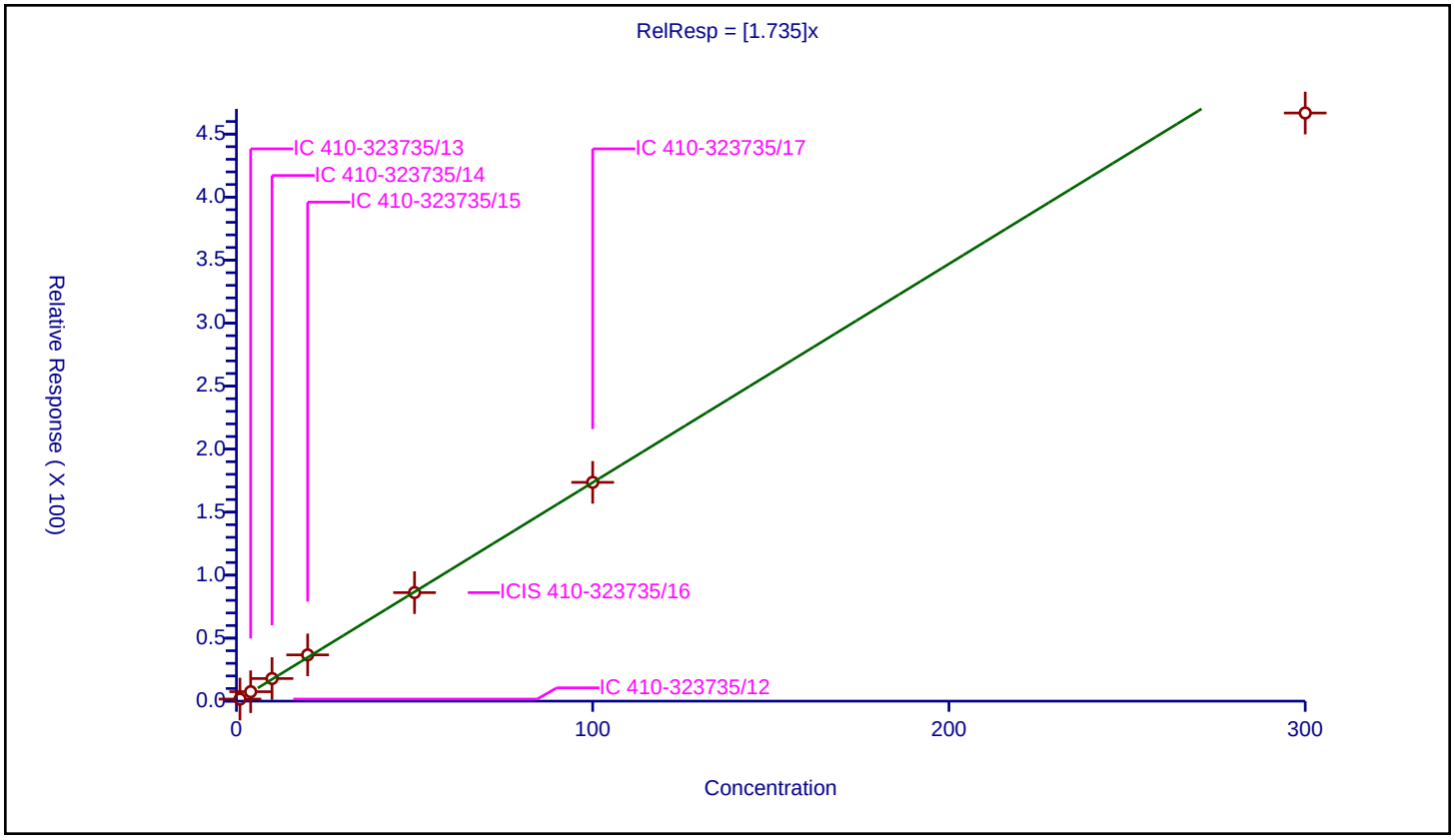
Curve Coefficients

Intercept:	0
Slope:	1.735

Error Coefficients

Standard Error:	4390000
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 410-323735/12	1.0	1.630445	50.0	988902.0	1.630445	Y
2	IC 410-323735/13	4.0	7.485013	50.0	989170.0	1.871253	Y
3	IC 410-323735/14	10.0	17.931334	50.0	993133.0	1.793133	Y
4	IC 410-323735/15	20.0	36.705161	50.0	993141.0	1.835258	Y
5	ICIS 410-323735/16	50.0	86.121889	50.0	1054596.0	1.722438	Y
6	IC 410-323735/17	100.0	173.632694	50.0	1031956.0	1.736327	Y
7	IC 410-323735/18	300.0	466.732268	50.0	1066296.0	1.555774	Y



Calibration / Cyclohexanone

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

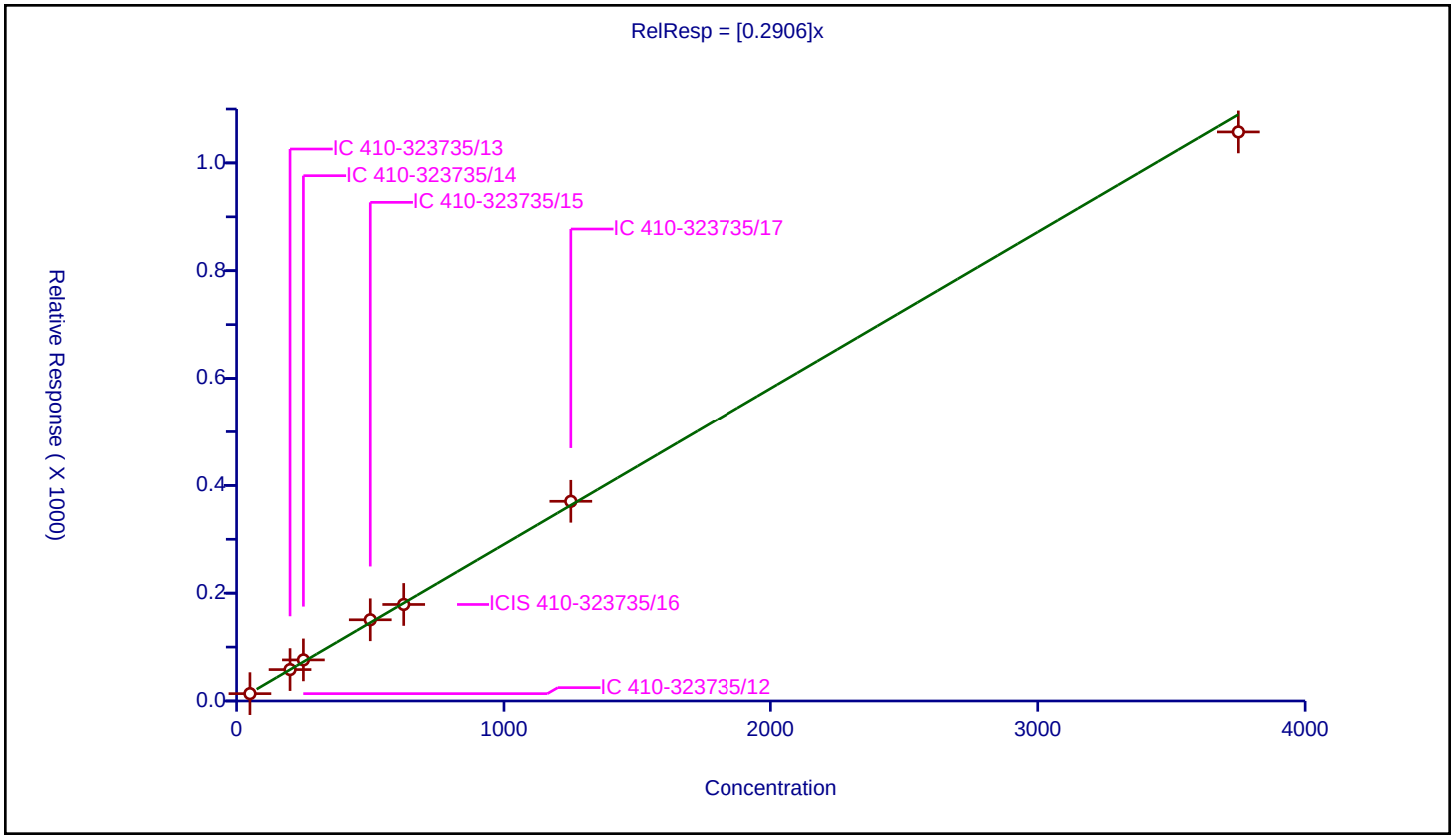
Curve Coefficients

Intercept:	0
Slope:	0.2906

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	50.003239	13.604378	250.0	541572.0	0.27207	Y
2	IC 410-323735/13	200.012957	58.231827	250.0	510640.0	0.29114	Y
3	IC 410-323735/14	250.016196	76.205402	250.0	496100.0	0.304802	Y
4	IC 410-323735/15	500.032392	150.650319	250.0	526665.0	0.301281	Y
5	ICIS 410-323735/16	625.04049	179.069894	250.0	543239.0	0.286493	Y
6	IC 410-323735/17	1250.08098	370.468117	250.0	536532.0	0.296355	Y
7	IC 410-323735/18	3750.24294	1057.499079	250.0	551161.0	0.281981	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

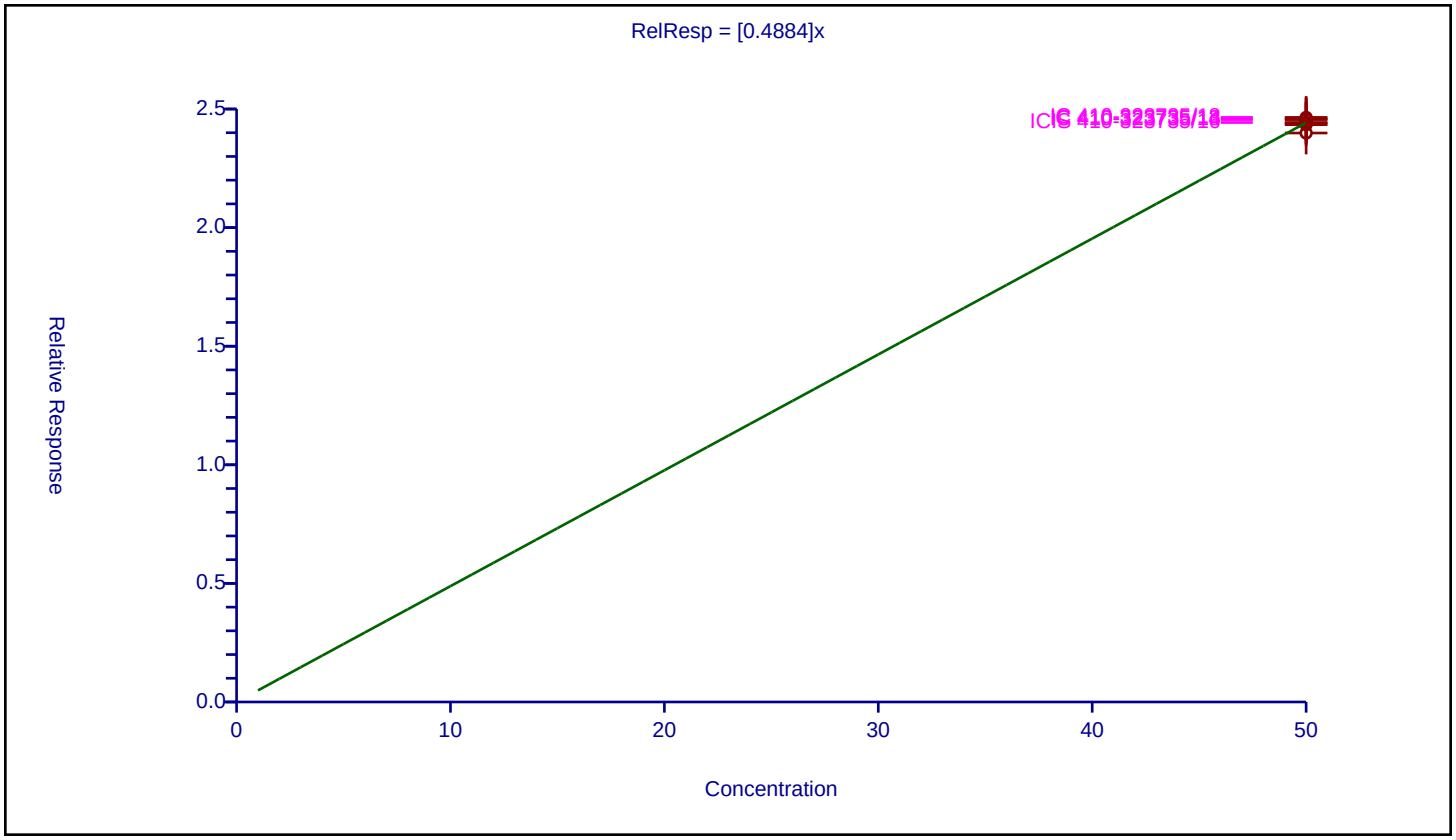
Curve Coefficients

Intercept:	0
Slope:	0.4884

Error Coefficients

Standard Error:	537000
Relative Standard Error:	0.9
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	50.0	24.401002	50.0	988902.0	0.48802	Y
2	IC 410-323735/13	50.0	24.553666	50.0	989170.0	0.491073	Y
3	IC 410-323735/14	50.0	24.588952	50.0	993133.0	0.491779	Y
4	IC 410-323735/15	50.0	24.338538	50.0	993141.0	0.486771	Y
5	ICIS 410-323735/16	50.0	24.431204	50.0	1054596.0	0.488624	Y
6	IC 410-323735/17	50.0	23.987844	50.0	1031956.0	0.479757	Y
7	IC 410-323735/18	50.0	24.645596	50.0	1066296.0	0.492912	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

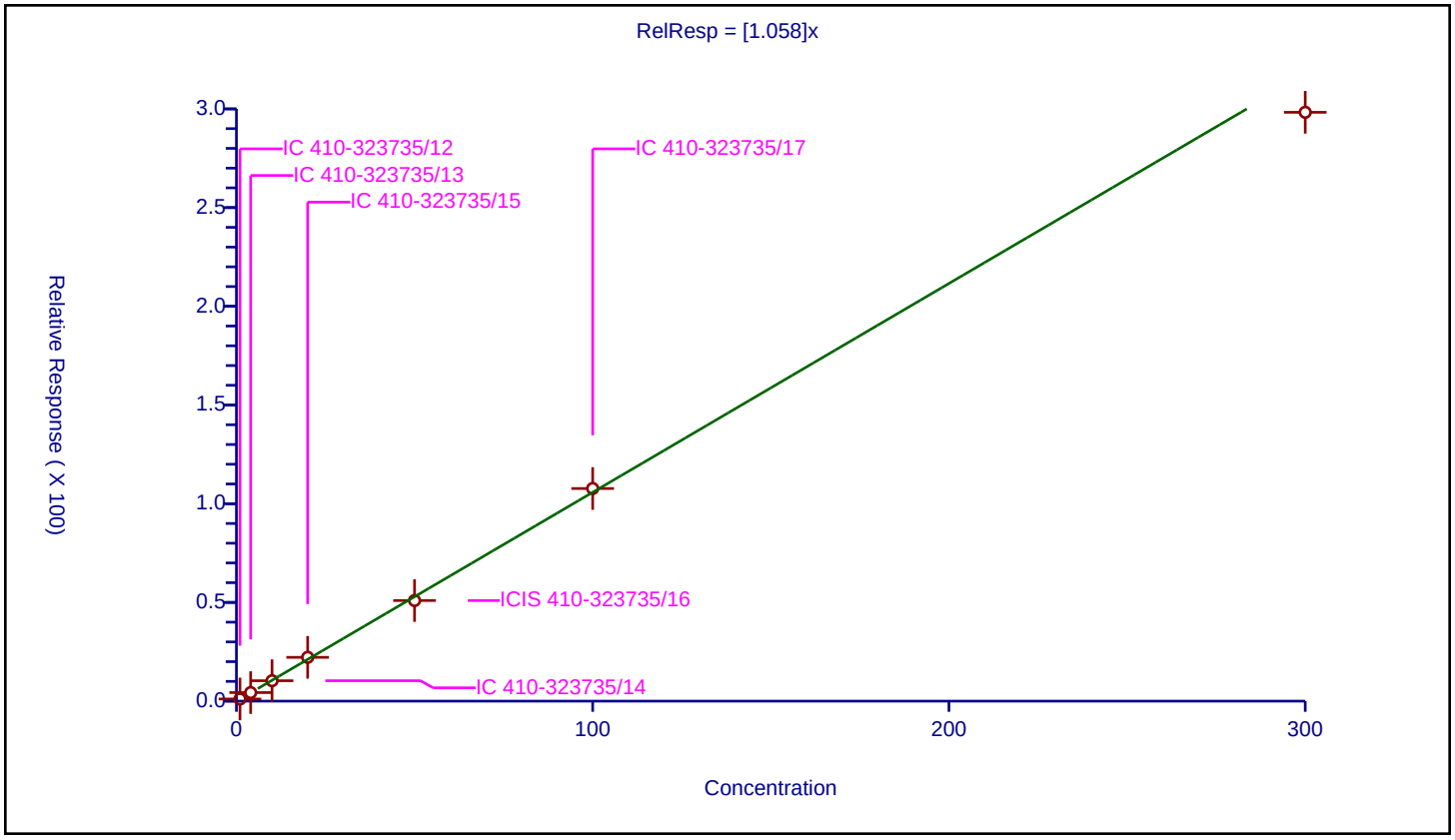
Curve Coefficients

Intercept:	0
Slope:	1.058

Error Coefficients

Standard Error:	1610000
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 410-323735/12	1.0	1.087735	50.0	573623.0	1.087735	Y
2	IC 410-323735/13	4.0	4.331816	50.0	581165.0	1.082954	Y
3	IC 410-323735/14	10.0	10.340242	50.0	592520.0	1.034024	Y
4	IC 410-323735/15	20.0	22.187286	50.0	574063.0	1.109364	Y
5	ICIS 410-323735/16	50.0	50.968199	50.0	621360.0	1.019364	Y
6	IC 410-323735/17	100.0	107.707581	50.0	582472.0	1.077076	Y
7	IC 410-323735/18	300.0	298.273888	50.0	614734.0	0.994246	Y



Calibration / Bromobenzene

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

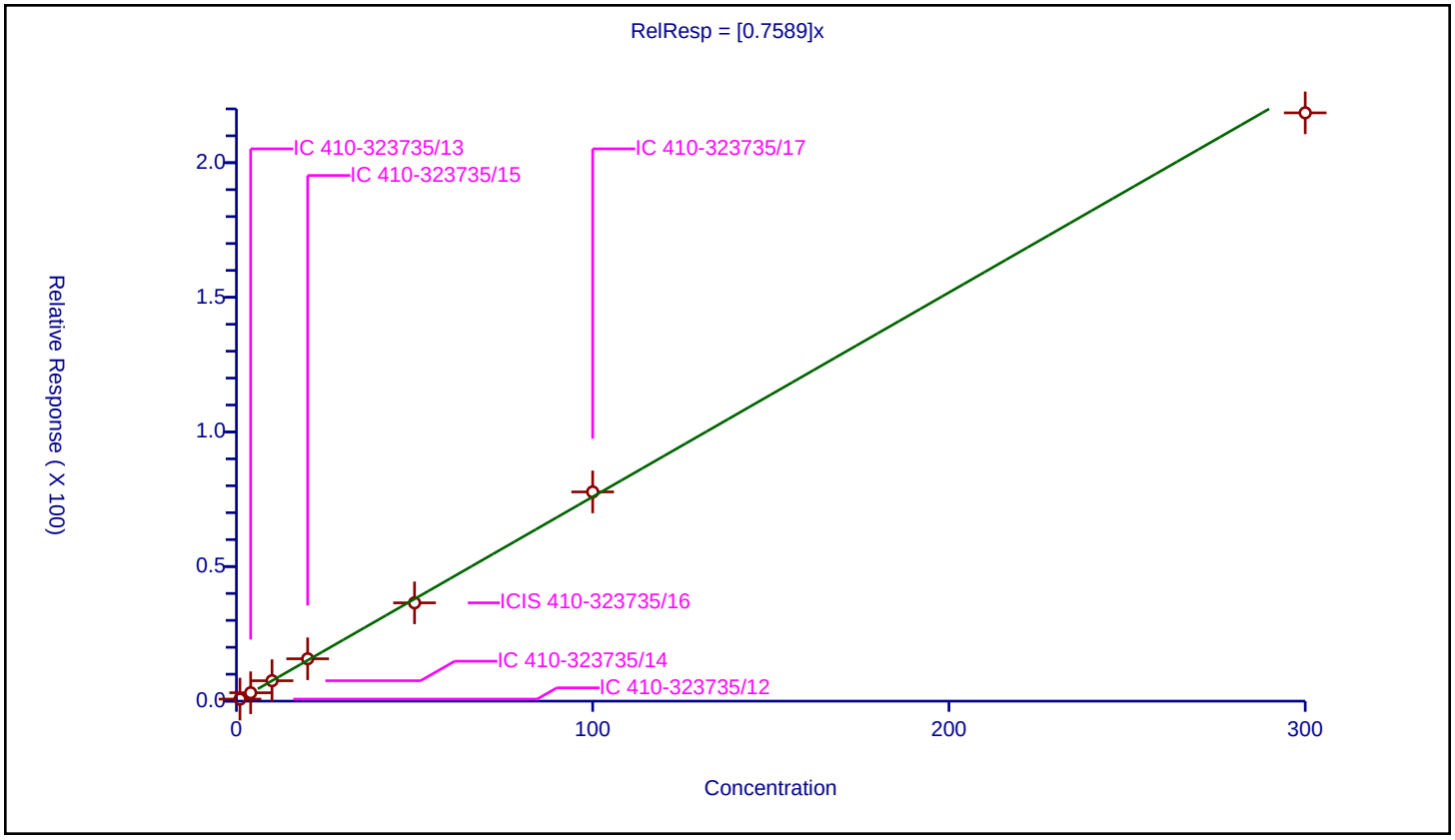
Curve Coefficients

Intercept:	0
Slope:	0.7589

Error Coefficients

Standard Error:	1180000
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 410-323735/12	1.0	0.753369	50.0	573623.0	0.753369	Y
2	IC 410-323735/13	4.0	3.111079	50.0	581165.0	0.77777	Y
3	IC 410-323735/14	10.0	7.585567	50.0	592520.0	0.758557	Y
4	IC 410-323735/15	20.0	15.737471	50.0	574063.0	0.786874	Y
5	ICIS 410-323735/16	50.0	36.51619	50.0	621360.0	0.730324	Y
6	IC 410-323735/17	100.0	77.721333	50.0	582472.0	0.777213	Y
7	IC 410-323735/18	300.0	218.525736	50.0	614734.0	0.728419	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

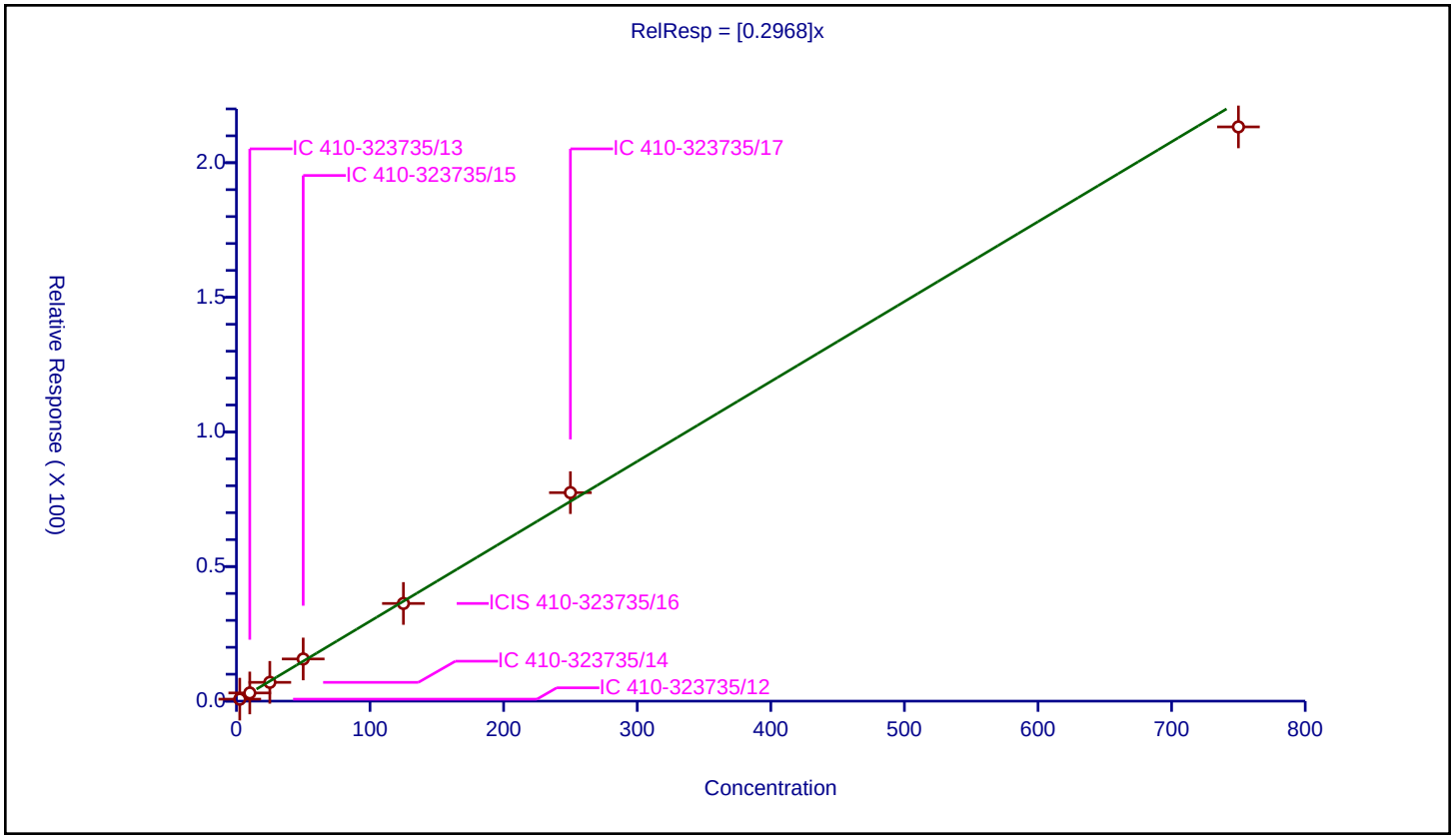
Curve Coefficients

Intercept:	0
Slope:	0.2968

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	2.5	0.74073	50.0	573623.0	0.296292	Y
2	IC 410-323735/13	10.0	3.046295	50.0	581165.0	0.304629	Y
3	IC 410-323735/14	25.0	6.977148	50.0	592520.0	0.279086	Y
4	IC 410-323735/15	50.0	15.665093	50.0	574063.0	0.313302	Y
5	ICIS 410-323735/16	125.0	36.28943	50.0	621360.0	0.290315	Y
6	IC 410-323735/17	250.0	77.455397	50.0	582472.0	0.309822	Y
7	IC 410-323735/18	750.0	213.312994	50.0	614734.0	0.284417	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

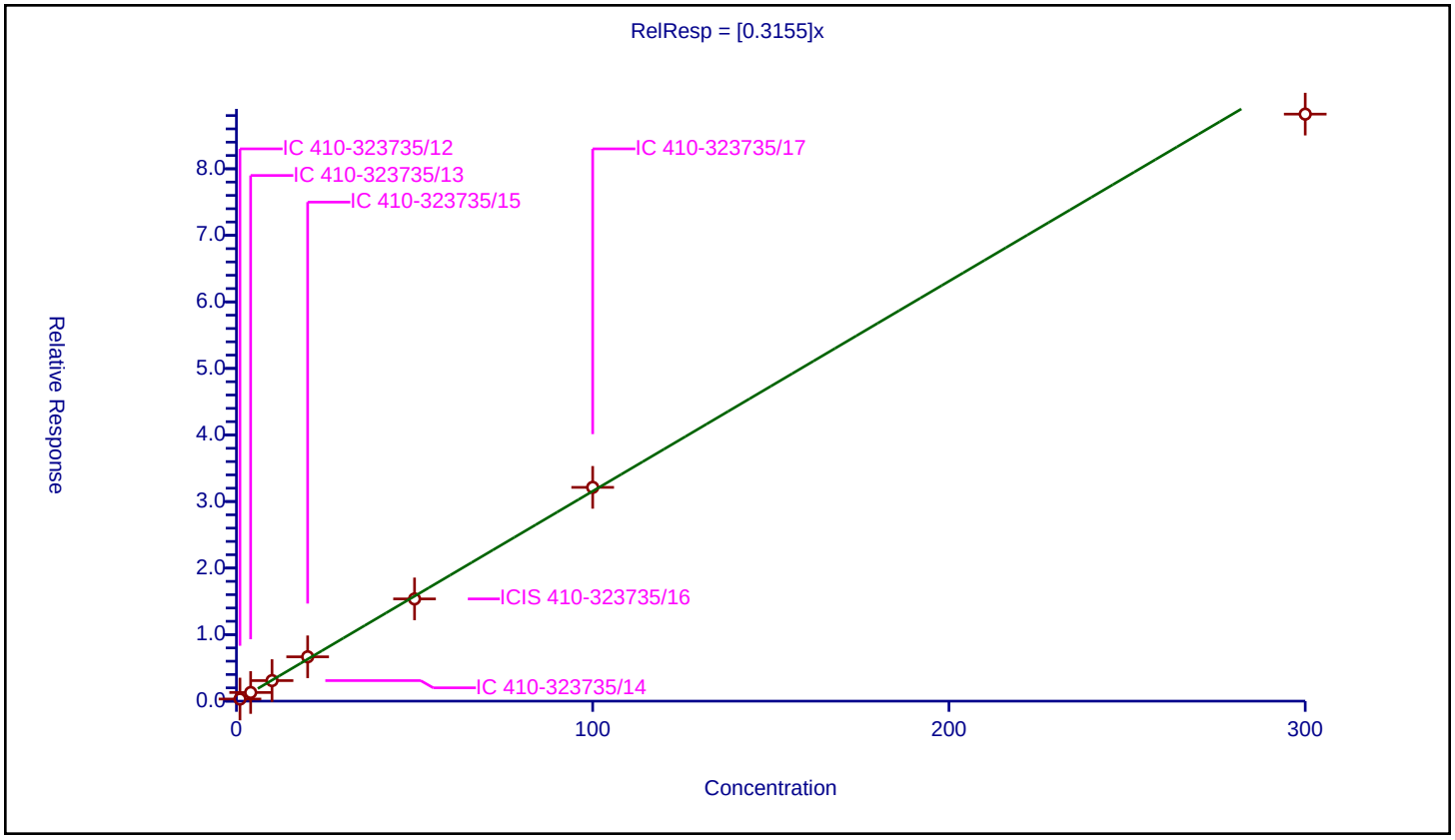
Curve Coefficients

Intercept:	0
Slope:	0.3155

Error Coefficients

Standard Error:	476000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	0.319025	50.0	573623.0	0.319025	Y
2	IC 410-323735/13	4.0	1.300663	50.0	581165.0	0.325166	Y
3	IC 410-323735/14	10.0	3.087322	50.0	592520.0	0.308732	Y
4	IC 410-323735/15	20.0	6.660245	50.0	574063.0	0.333012	Y
5	ICIS 410-323735/16	50.0	15.361304	50.0	621360.0	0.307226	Y
6	IC 410-323735/17	100.0	32.123604	50.0	582472.0	0.321236	Y
7	IC 410-323735/18	300.0	88.215472	50.0	614734.0	0.294052	Y



Calibration / N-Propylbenzene

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

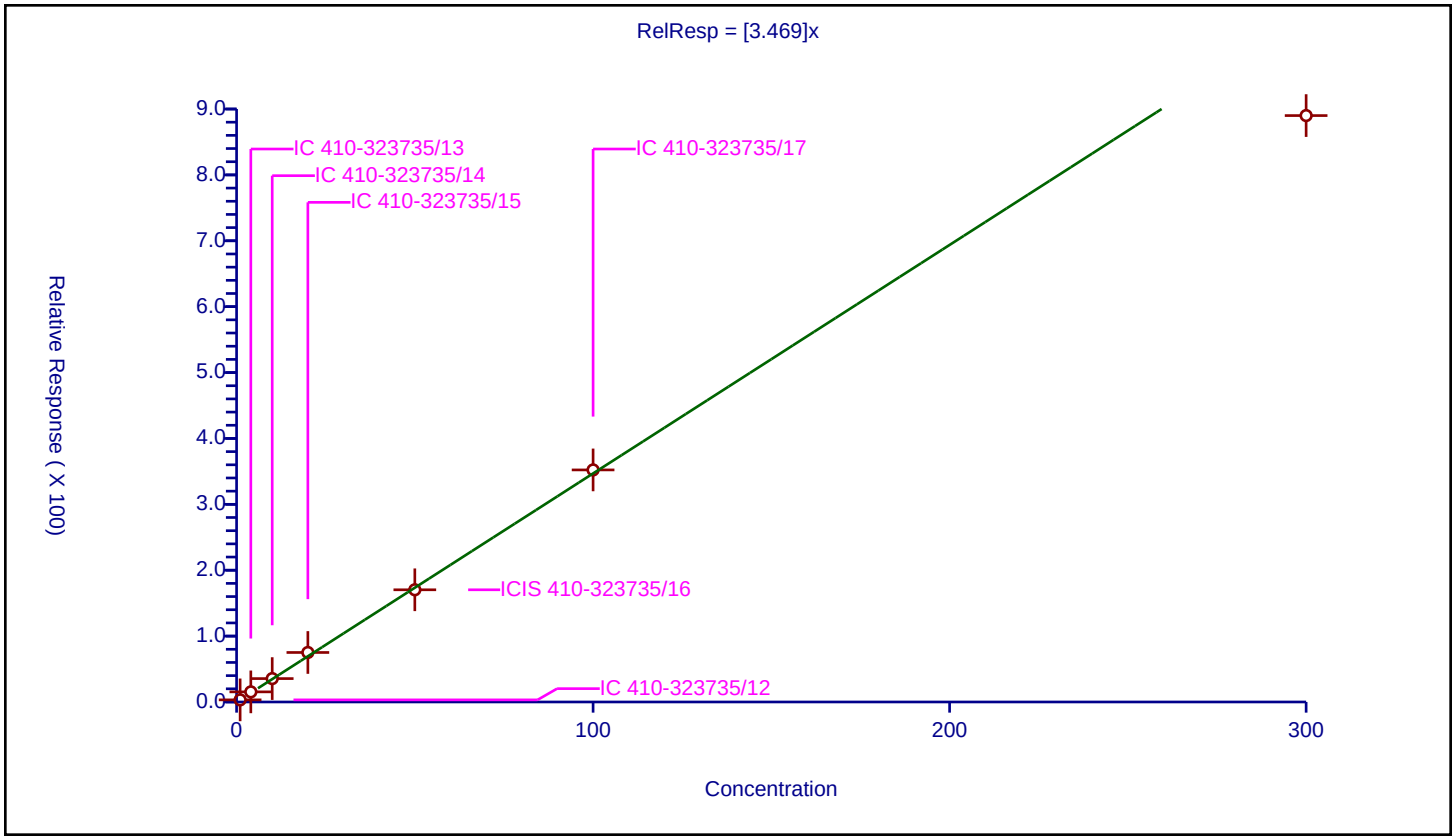
Curve Coefficients

Intercept:	0
Slope:	3.469

Error Coefficients

Standard Error:	4860000
Relative Standard Error:	8.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	3.236185	50.0	573623.0	3.236185	Y
2	IC 410-323735/13	4.0	15.360612	50.0	581165.0	3.840153	Y
3	IC 410-323735/14	10.0	35.511881	50.0	592520.0	3.551188	Y
4	IC 410-323735/15	20.0	75.153424	50.0	574063.0	3.757671	Y
5	ICIS 410-323735/16	50.0	170.304735	50.0	621360.0	3.406095	Y
6	IC 410-323735/17	100.0	352.218647	50.0	582472.0	3.522186	Y
7	IC 410-323735/18	300.0	890.049761	50.0	614734.0	2.966833	Y



Calibration / 2-Chlorotoluene

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

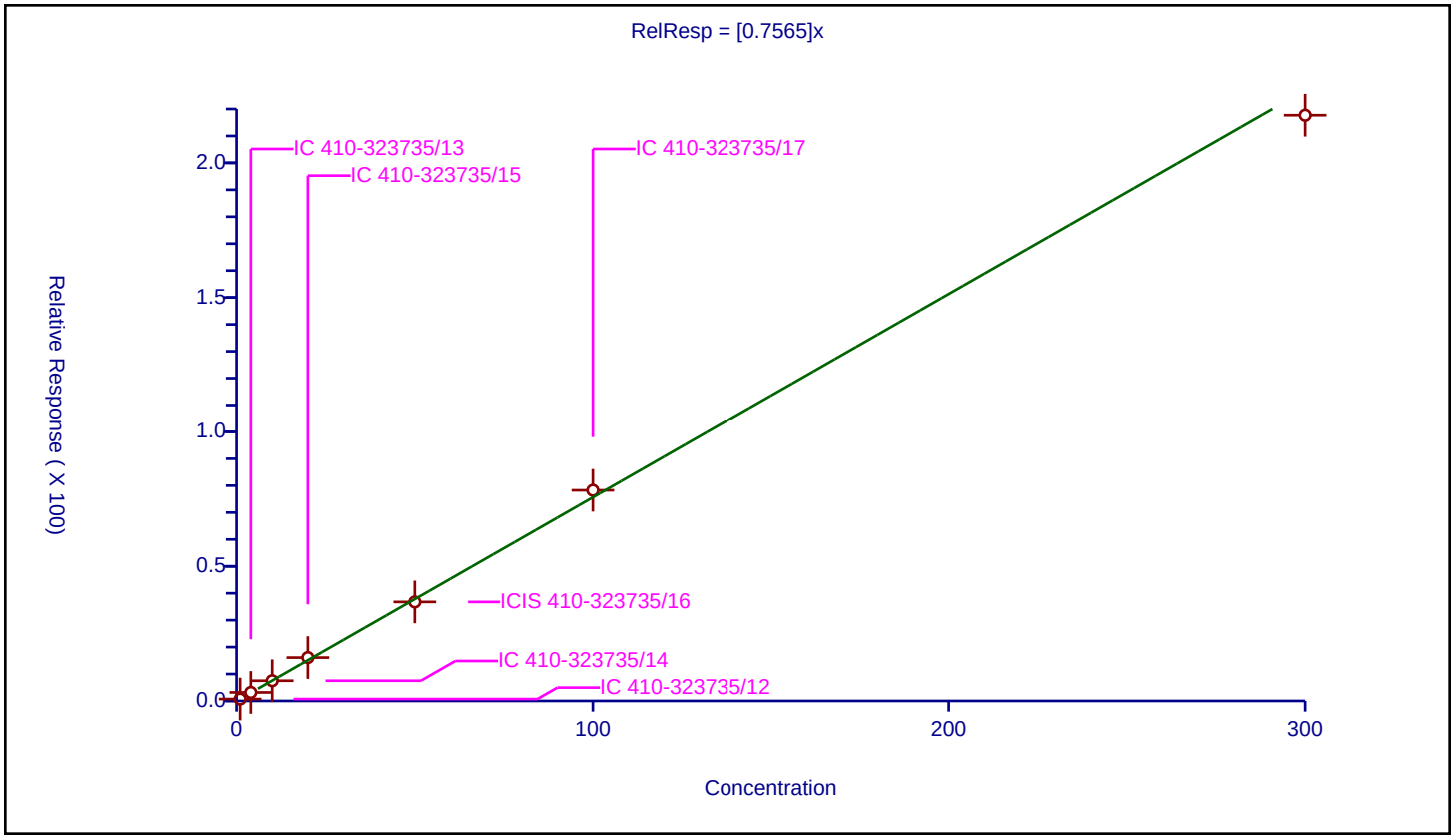
Curve Coefficients

Intercept:	0
Slope:	0.7565

Error Coefficients

Standard Error:	1170000
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 410-323735/12	1.0	0.70447	50.0	573623.0	0.70447	Y
2	IC 410-323735/13	4.0	3.165022	50.0	581165.0	0.791255	Y
3	IC 410-323735/14	10.0	7.505148	50.0	592520.0	0.750515	Y
4	IC 410-323735/15	20.0	16.102501	50.0	574063.0	0.805125	Y
5	ICIS 410-323735/16	50.0	36.775541	50.0	621360.0	0.735511	Y
6	IC 410-323735/17	100.0	78.276552	50.0	582472.0	0.782766	Y
7	IC 410-323735/18	300.0	217.69131	50.0	614734.0	0.725638	Y



Calibration / 1,3,5-Trimethylbenzene

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

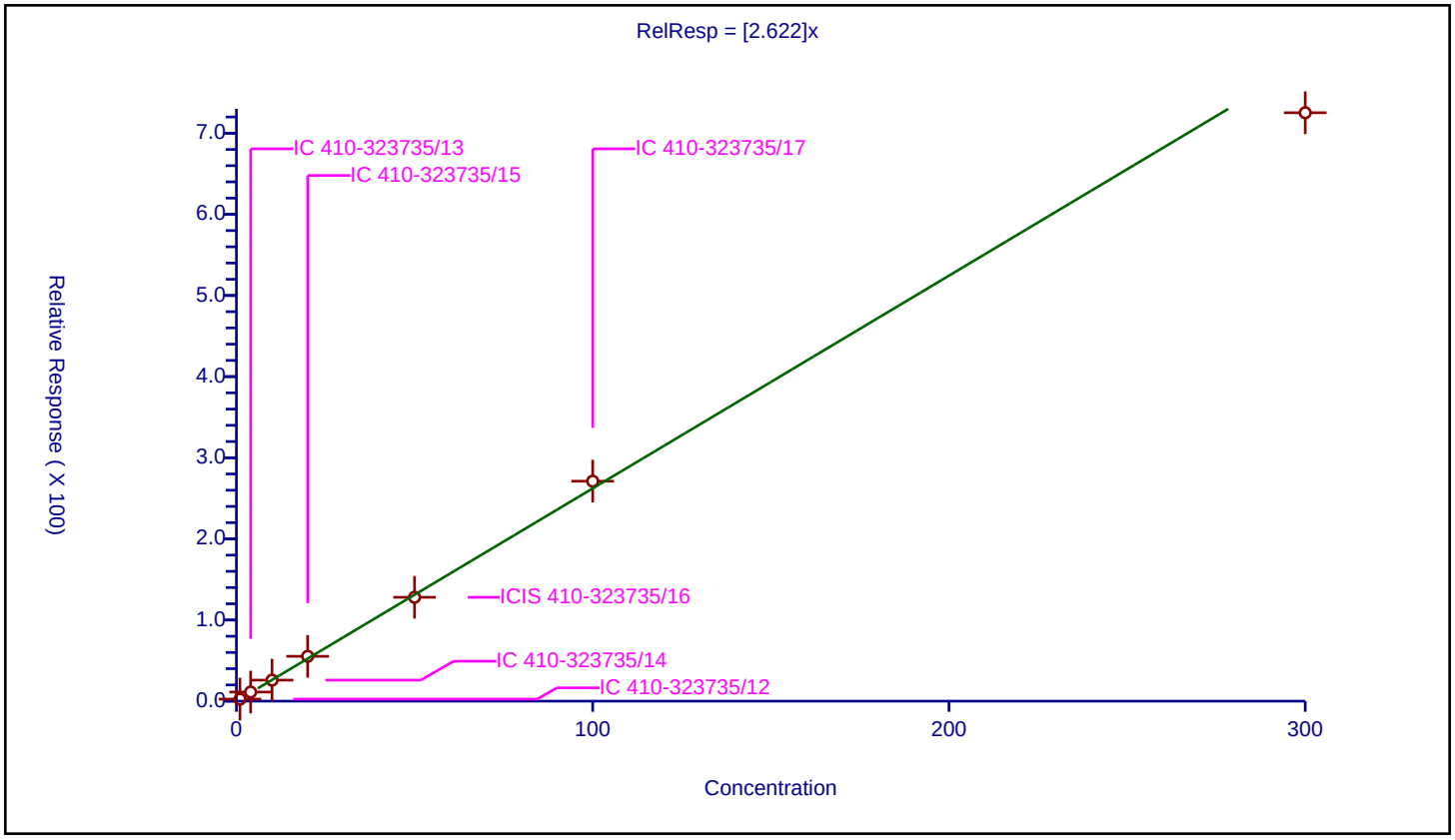
Curve Coefficients

Intercept:	0
Slope:	2.622

Error Coefficients

Standard Error:	3930000
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 410-323735/12	1.0	2.506699	50.0	573623.0	2.506699	Y
2	IC 410-323735/13	4.0	11.220135	50.0	581165.0	2.805034	Y
3	IC 410-323735/14	10.0	25.909843	50.0	592520.0	2.590984	Y
4	IC 410-323735/15	20.0	55.266321	50.0	574063.0	2.763316	Y
5	ICIS 410-323735/16	50.0	128.025541	50.0	621360.0	2.560511	Y
6	IC 410-323735/17	100.0	271.110457	50.0	582472.0	2.711105	Y
7	IC 410-323735/18	300.0	725.224081	50.0	614734.0	2.417414	Y



Calibration / 4-Chlorotoluene

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

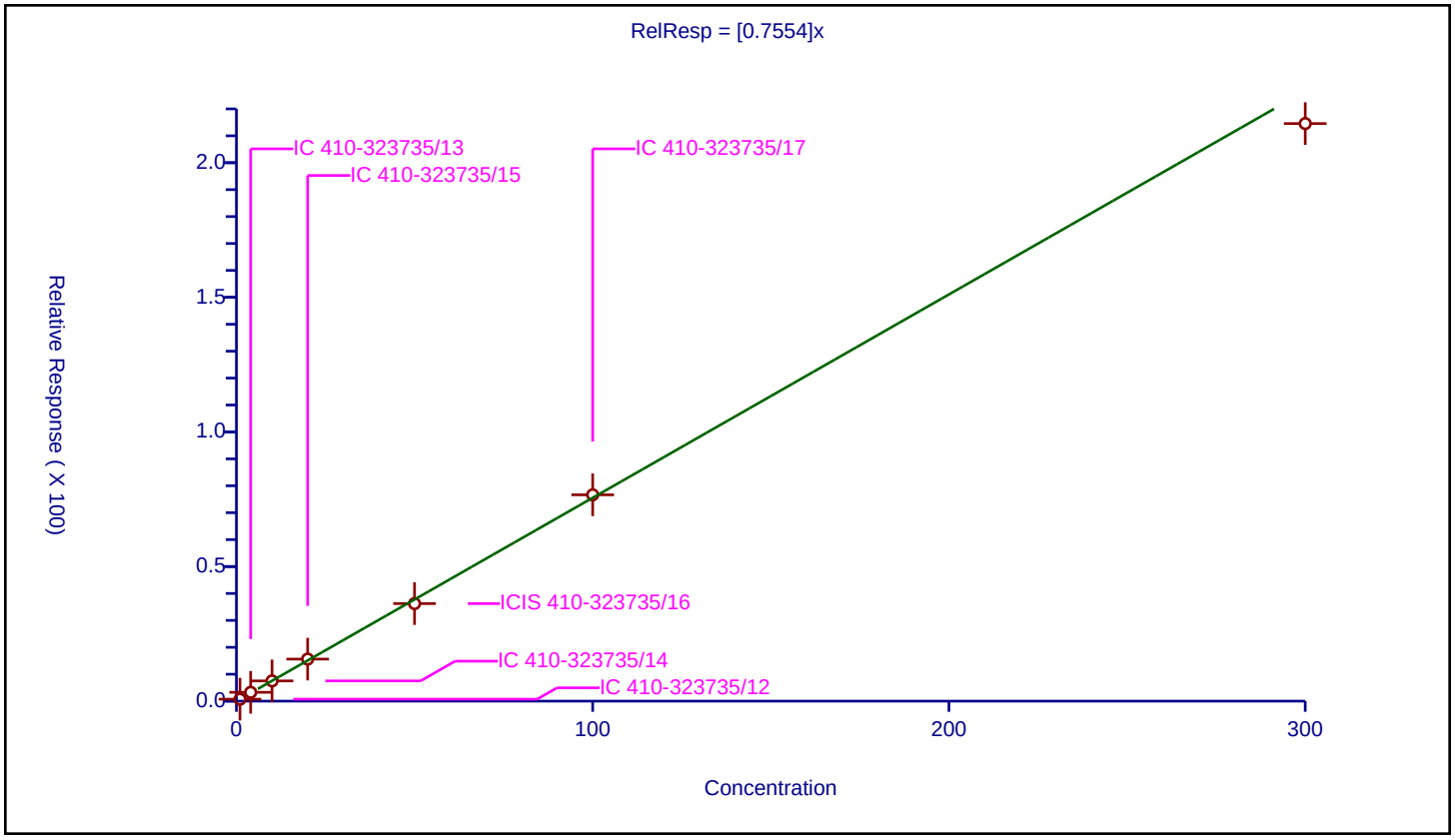
Curve Coefficients

Intercept:	0
Slope:	0.7554

Error Coefficients

Standard Error:	1150000
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 410-323735/12	1.0	0.729748	50.0	573623.0	0.729748	Y
2	IC 410-323735/13	4.0	3.276522	50.0	581165.0	0.819131	Y
3	IC 410-323735/14	10.0	7.517383	50.0	592520.0	0.751738	Y
4	IC 410-323735/15	20.0	15.617101	50.0	574063.0	0.780855	Y
5	ICIS 410-323735/16	50.0	36.231734	50.0	621360.0	0.724635	Y
6	IC 410-323735/17	100.0	76.637933	50.0	582472.0	0.766379	Y
7	IC 410-323735/18	300.0	214.545641	50.0	614734.0	0.715152	Y



Calibration / tert-Butylbenzene

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

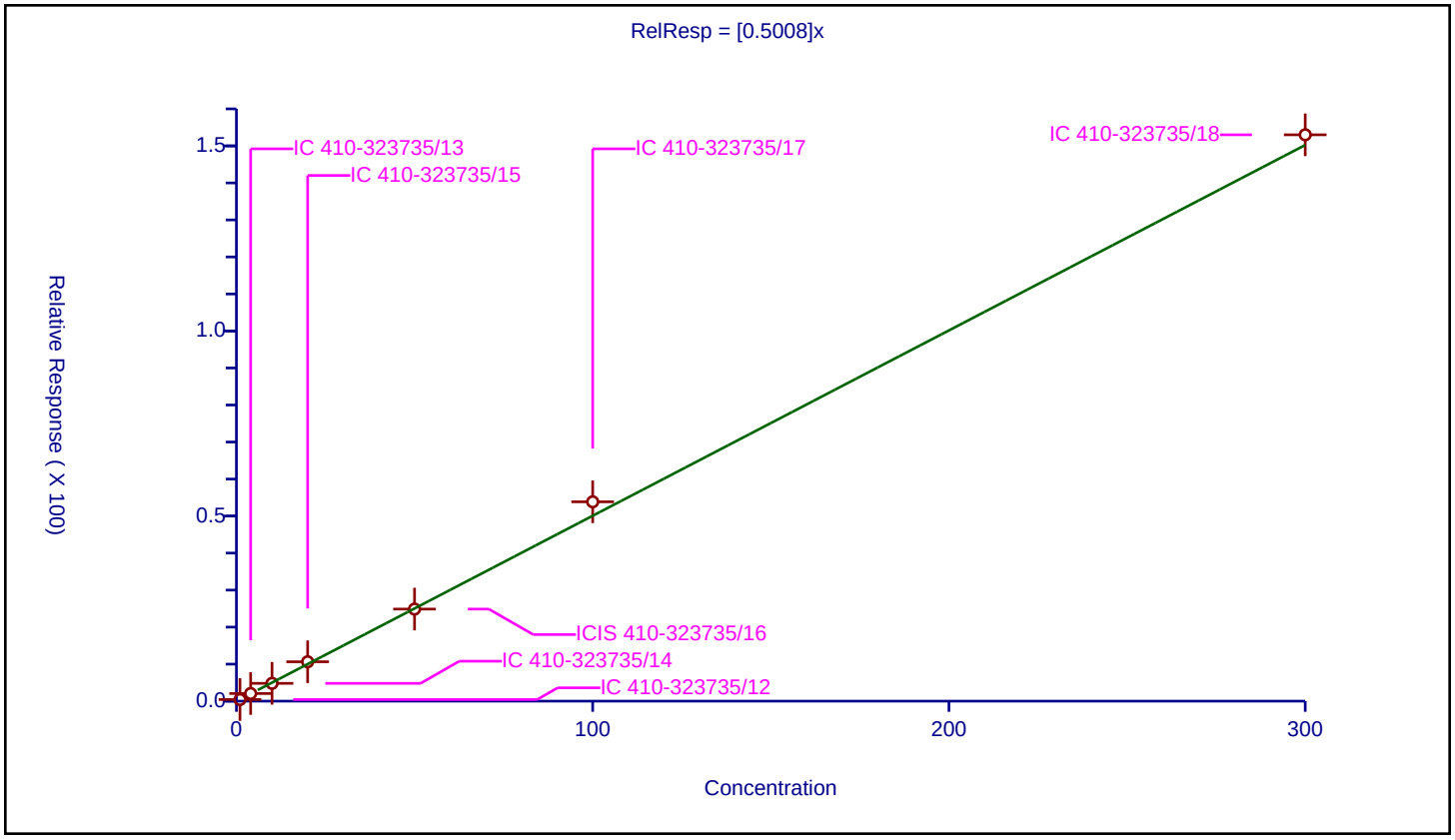
Curve Coefficients

Intercept:	0
Slope:	0.5008

Error Coefficients

Standard Error:	821000
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 410-323735/12	1.0	0.431904	50.0	573623.0	0.431904	Y
2	IC 410-323735/13	4.0	2.05871	50.0	581165.0	0.514677	Y
3	IC 410-323735/14	10.0	4.80777	50.0	592520.0	0.480777	Y
4	IC 410-323735/15	20.0	10.640818	50.0	574063.0	0.532041	Y
5	ICIS 410-323735/16	50.0	24.870445	50.0	621360.0	0.497409	Y
6	IC 410-323735/17	100.0	53.856237	50.0	582472.0	0.538562	Y
7	IC 410-323735/18	300.0	153.001786	50.0	614734.0	0.510006	Y



Calibration / 1,2,4-Trimethylbenzene

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

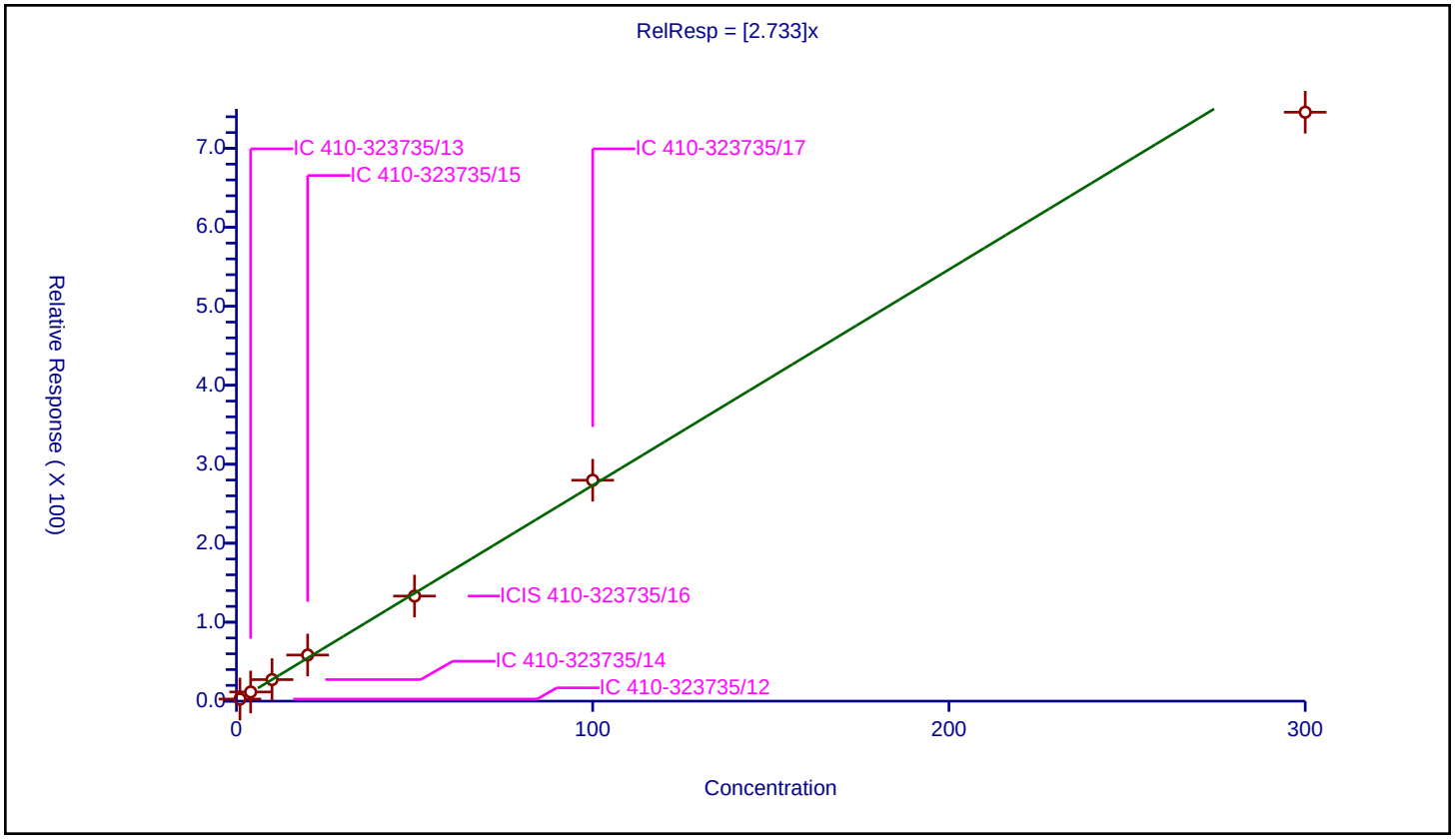
Curve Coefficients

Intercept:	0
Slope:	2.733

Error Coefficients

Standard Error:	4040000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	2.632217	50.0	573623.0	2.632217	Y
2	IC 410-323735/13	4.0	11.626302	50.0	581165.0	2.906576	Y
3	IC 410-323735/14	10.0	27.25697	50.0	592520.0	2.725697	Y
4	IC 410-323735/15	20.0	58.416324	50.0	574063.0	2.920816	Y
5	ICIS 410-323735/16	50.0	133.061993	50.0	621360.0	2.66124	Y
6	IC 410-323735/17	100.0	279.758941	50.0	582472.0	2.797589	Y
7	IC 410-323735/18	300.0	745.769308	50.0	614734.0	2.485898	Y



Calibration / sec-Butylbenzene

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

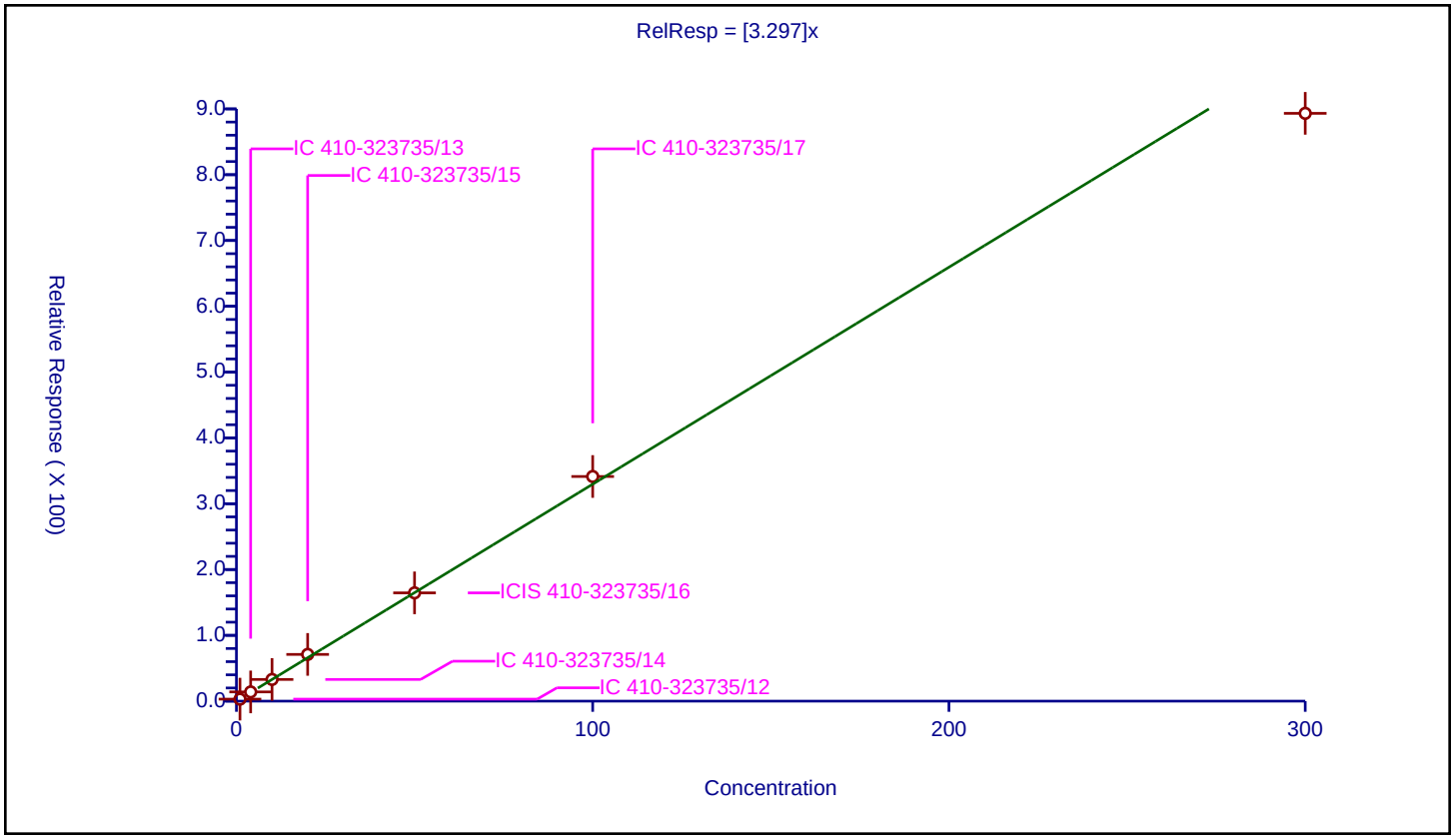
Curve Coefficients

Intercept:	0
Slope:	3.297

Error Coefficients

Standard Error:	4850000
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 410-323735/12	1.0	3.048779	50.0	573623.0	3.048779	Y
2	IC 410-323735/13	4.0	14.01435	50.0	581165.0	3.503588	Y
3	IC 410-323735/14	10.0	32.948846	50.0	592520.0	3.294885	Y
4	IC 410-323735/15	20.0	71.005708	50.0	574063.0	3.550285	Y
5	ICIS 410-323735/16	50.0	164.528776	50.0	621360.0	3.290576	Y
6	IC 410-323735/17	100.0	341.359928	50.0	582472.0	3.413599	Y
7	IC 410-323735/18	300.0	893.256677	50.0	614734.0	2.977522	Y



Calibration / 1,3-Dichlorobenzene

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

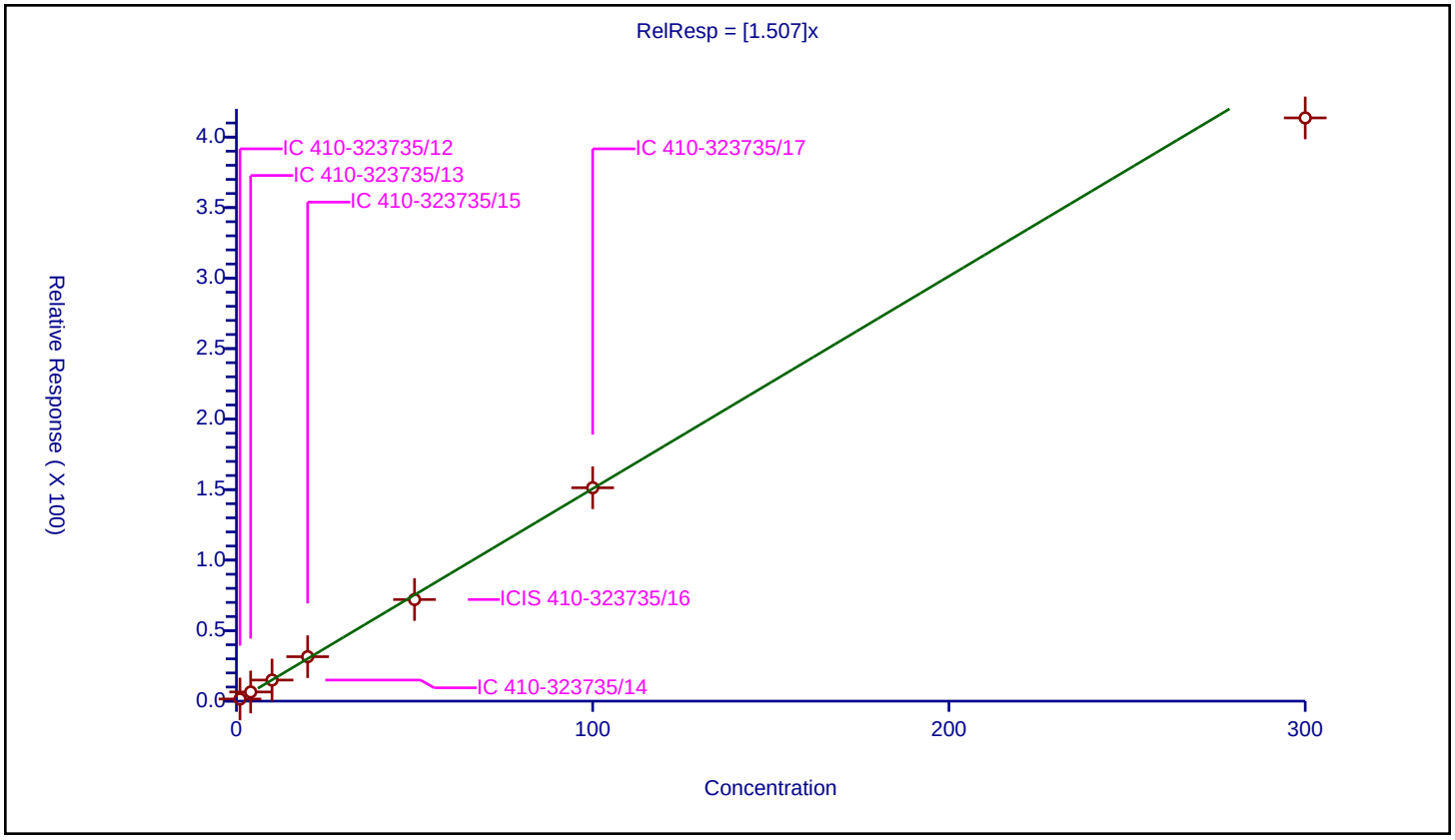
Curve Coefficients

Intercept:	0
Slope:	1.507

Error Coefficients

Standard Error:	2230000
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 410-323735/12	1.0	1.513973	50.0	573623.0	1.513973	Y
2	IC 410-323735/13	4.0	6.513727	50.0	581165.0	1.628432	Y
3	IC 410-323735/14	10.0	14.948525	50.0	592520.0	1.494852	Y
4	IC 410-323735/15	20.0	31.522063	50.0	574063.0	1.576103	Y
5	ICIS 410-323735/16	50.0	72.06901	50.0	621360.0	1.44138	Y
6	IC 410-323735/17	100.0	151.328562	50.0	582472.0	1.513286	Y
7	IC 410-323735/18	300.0	413.612473	50.0	614734.0	1.378708	Y



Calibration / 4-Isopropyltoluene

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

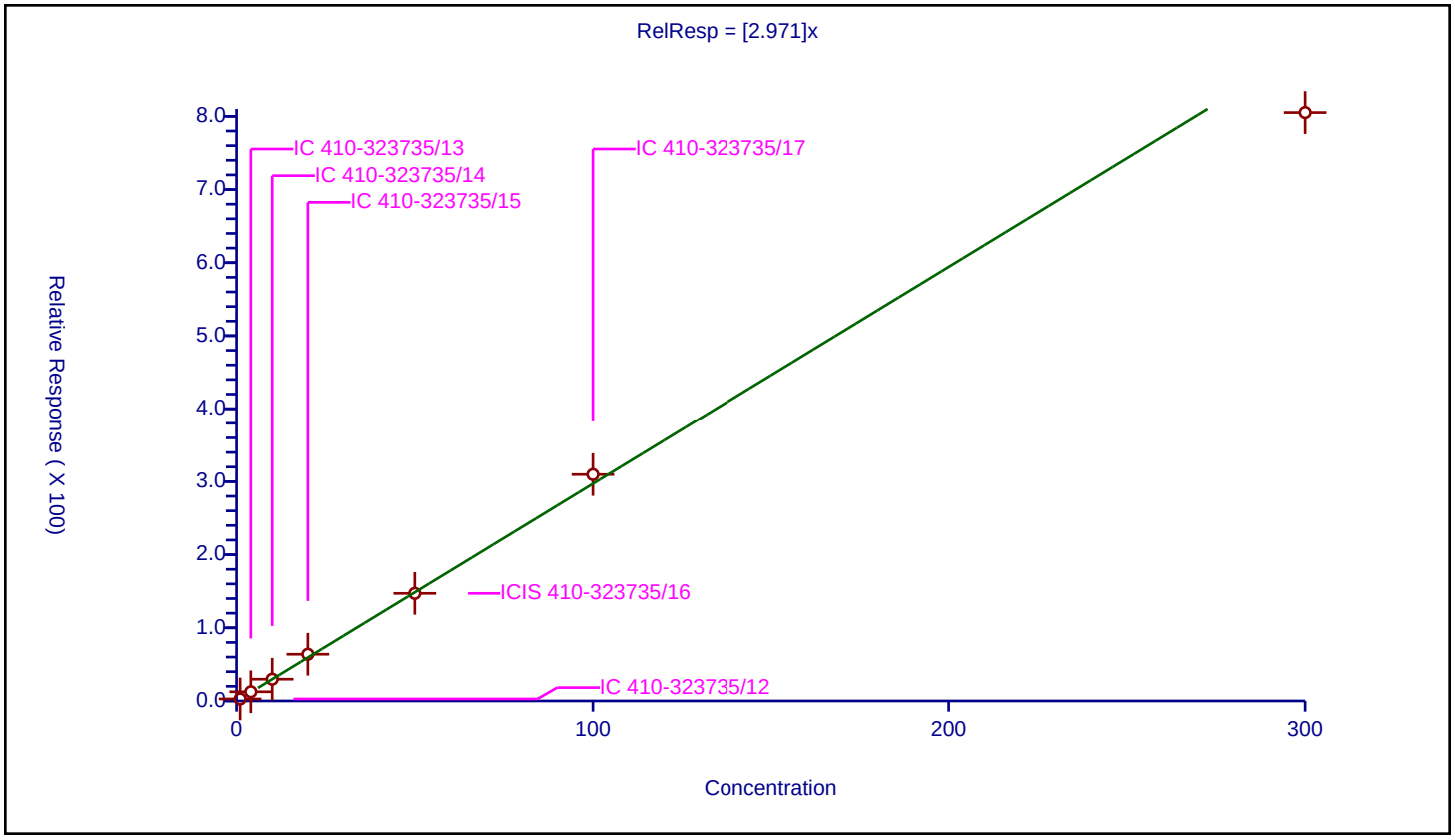
Curve Coefficients

Intercept:	0
Slope:	2.971

Error Coefficients

Standard Error:	4380000
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 410-323735/12	1.0	2.763749	50.0	573623.0	2.763749	Y
2	IC 410-323735/13	4.0	12.554696	50.0	581165.0	3.138674	Y
3	IC 410-323735/14	10.0	29.757139	50.0	592520.0	2.975714	Y
4	IC 410-323735/15	20.0	63.880968	50.0	574063.0	3.194048	Y
5	ICIS 410-323735/16	50.0	147.122763	50.0	621360.0	2.942455	Y
6	IC 410-323735/17	100.0	309.74931	50.0	582472.0	3.097493	Y
7	IC 410-323735/18	300.0	805.133603	50.0	614734.0	2.683779	Y



Calibration / 1,4-Dichlorobenzene

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

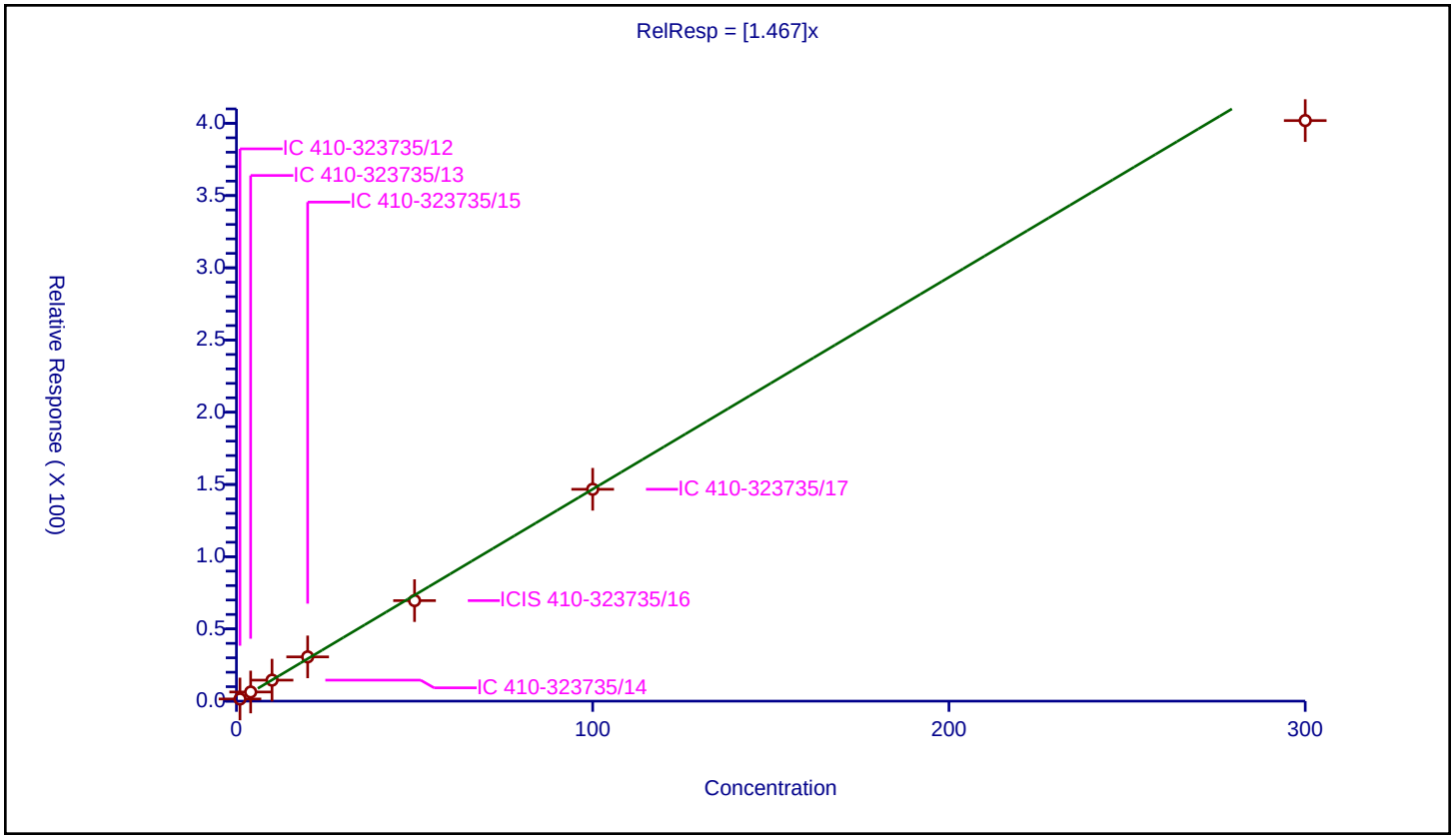
Curve Coefficients

Intercept:	0
Slope:	1.467

Error Coefficients

Standard Error:	2170000
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 410-323735/12	1.0	1.504908	50.0	573623.0	1.504908	Y
2	IC 410-323735/13	4.0	6.329528	50.0	581165.0	1.582382	Y
3	IC 410-323735/14	10.0	14.538919	50.0	592520.0	1.453892	Y
4	IC 410-323735/15	20.0	30.635052	50.0	574063.0	1.531753	Y
5	ICIS 410-323735/16	50.0	69.589127	50.0	621360.0	1.391783	Y
6	IC 410-323735/17	100.0	146.66602	50.0	582472.0	1.46666	Y
7	IC 410-323735/18	300.0	401.913999	50.0	614734.0	1.339713	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

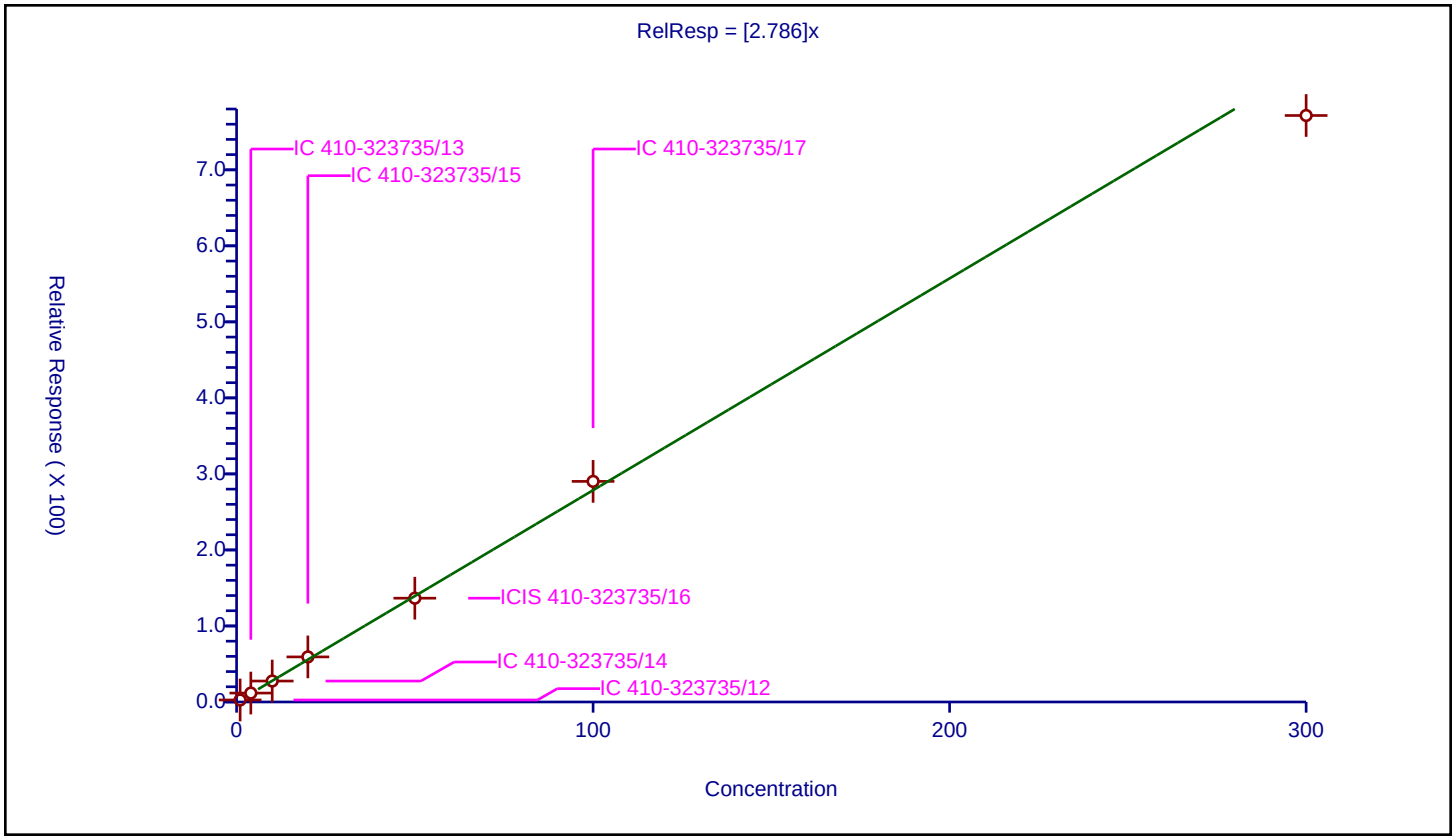
Curve Coefficients

Intercept:	0
Slope:	2.786

Error Coefficients

Standard Error:	4180000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	2.638057	50.0	573623.0	2.638057	Y
2	IC 410-323735/13	4.0	11.748643	50.0	581165.0	2.937161	Y
3	IC 410-323735/14	10.0	27.569449	50.0	592520.0	2.756945	Y
4	IC 410-323735/15	20.0	59.294363	50.0	574063.0	2.964718	Y
5	ICIS 410-323735/16	50.0	136.54709	50.0	621360.0	2.730942	Y
6	IC 410-323735/17	100.0	290.162016	50.0	582472.0	2.90162	Y
7	IC 410-323735/18	300.0	771.469937	50.0	614734.0	2.571566	Y



Calibration / Benzyl chloride

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

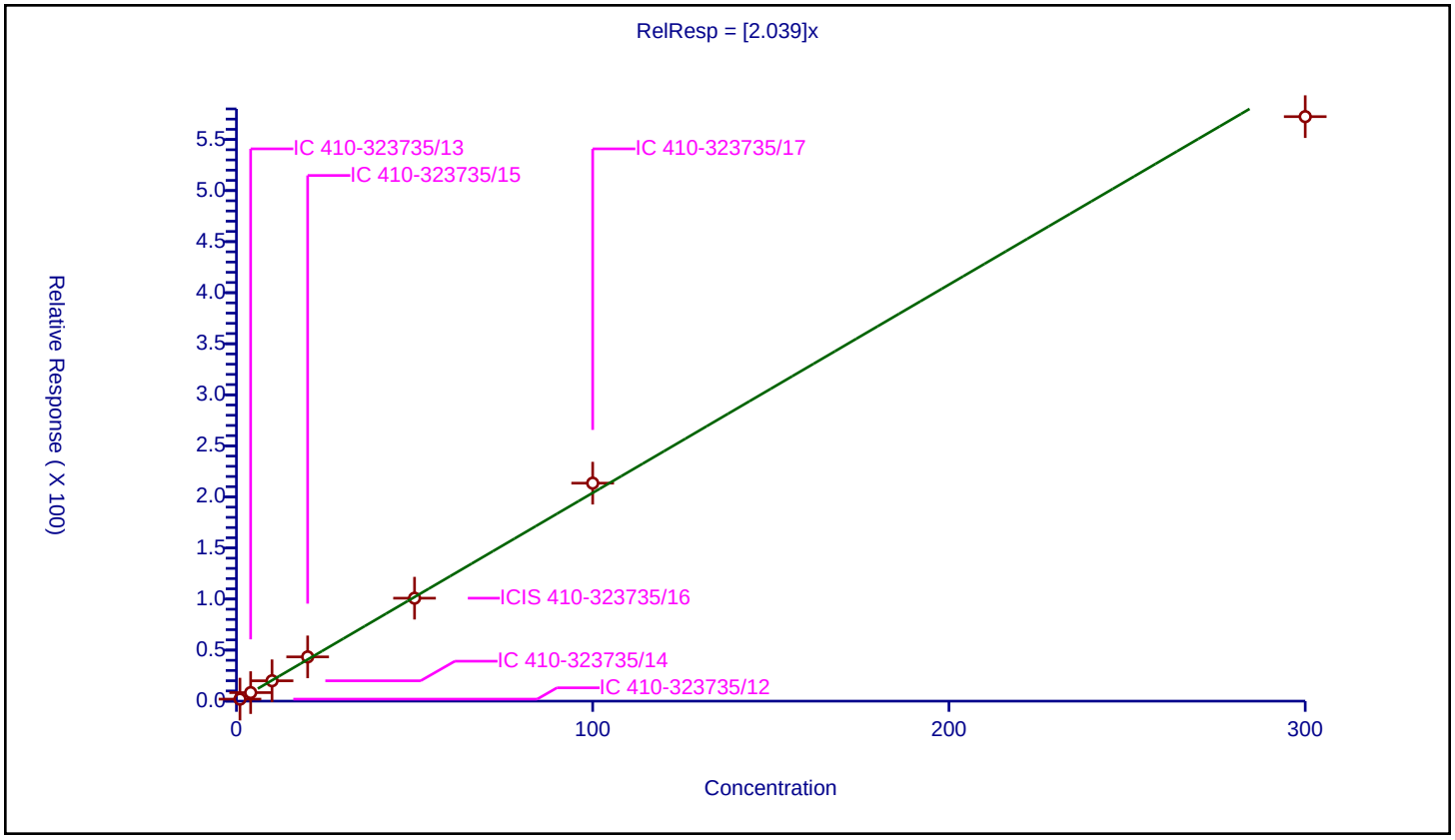
Curve Coefficients

Intercept:	0
Slope:	2.039

Error Coefficients

Standard Error:	3100000
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 410-323735/12	1.0	1.970284	50.0	573623.0	1.970284	Y
2	IC 410-323735/13	4.0	8.346683	50.0	581165.0	2.086671	Y
3	IC 410-323735/14	10.0	19.932492	50.0	592520.0	1.993249	Y
4	IC 410-323735/15	20.0	43.334181	50.0	574063.0	2.166709	Y
5	ICIS 410-323735/16	50.0	100.82939	50.0	621360.0	2.016588	Y
6	IC 410-323735/17	100.0	213.466055	50.0	582472.0	2.134661	Y
7	IC 410-323735/18	300.0	572.410669	50.0	614734.0	1.908036	Y



Calibration / 1,3-Diethylbenzene

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

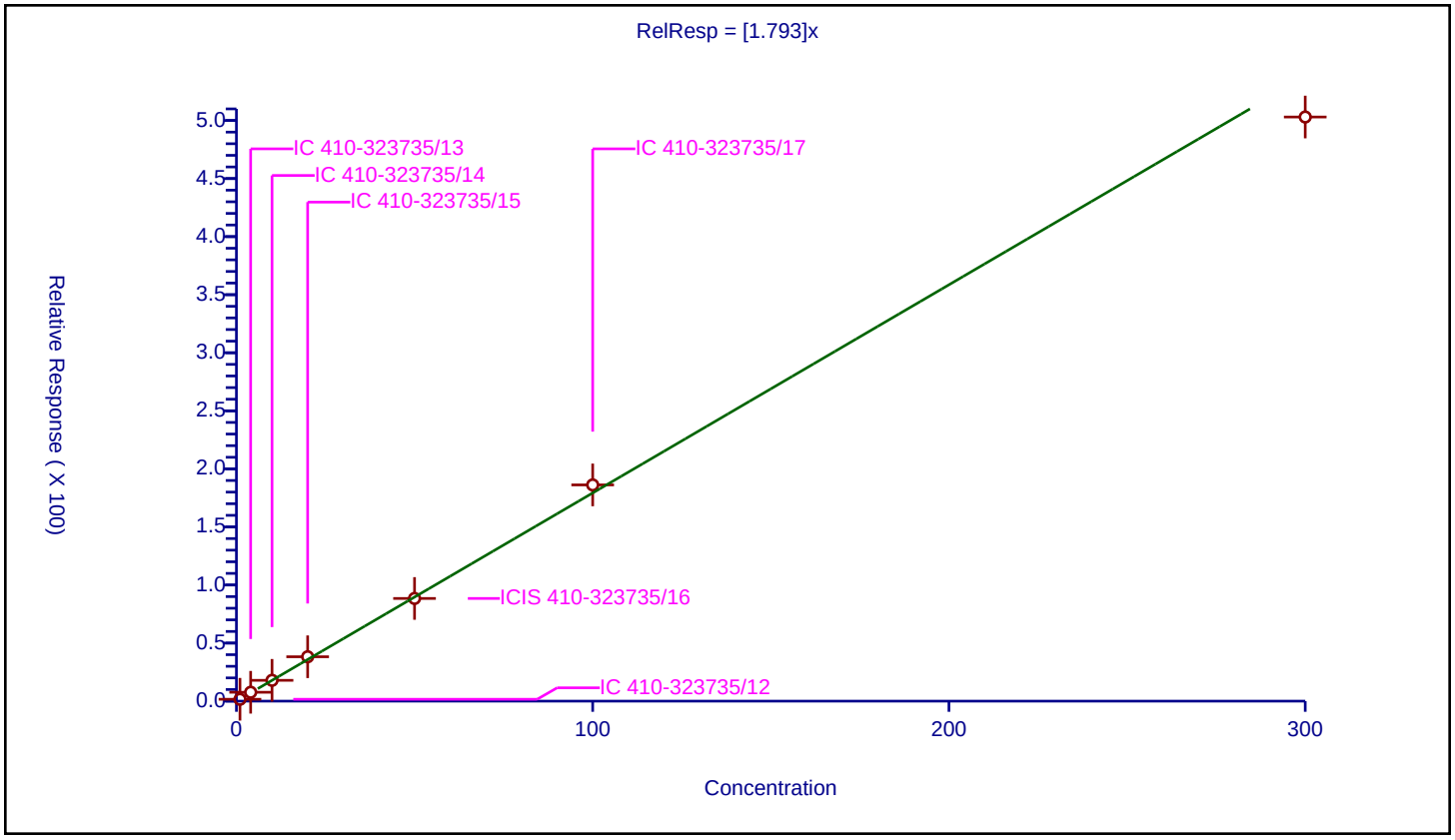
Curve Coefficients

Intercept:	0
Slope:	1.793

Error Coefficients

Standard Error:	2720000
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 410-323735/12	1.0	1.625981	50.0	573623.0	1.625981	Y
2	IC 410-323735/13	4.0	7.64714	50.0	581165.0	1.911785	Y
3	IC 410-323735/14	10.0	17.9318	50.0	592520.0	1.79318	Y
4	IC 410-323735/15	20.0	38.216189	50.0	574063.0	1.910809	Y
5	ICIS 410-323735/16	50.0	88.417021	50.0	621360.0	1.76834	Y
6	IC 410-323735/17	100.0	186.206633	50.0	582472.0	1.862066	Y
7	IC 410-323735/18	300.0	502.993653	50.0	614734.0	1.676646	Y



Calibration / p-Diethylbenzene

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

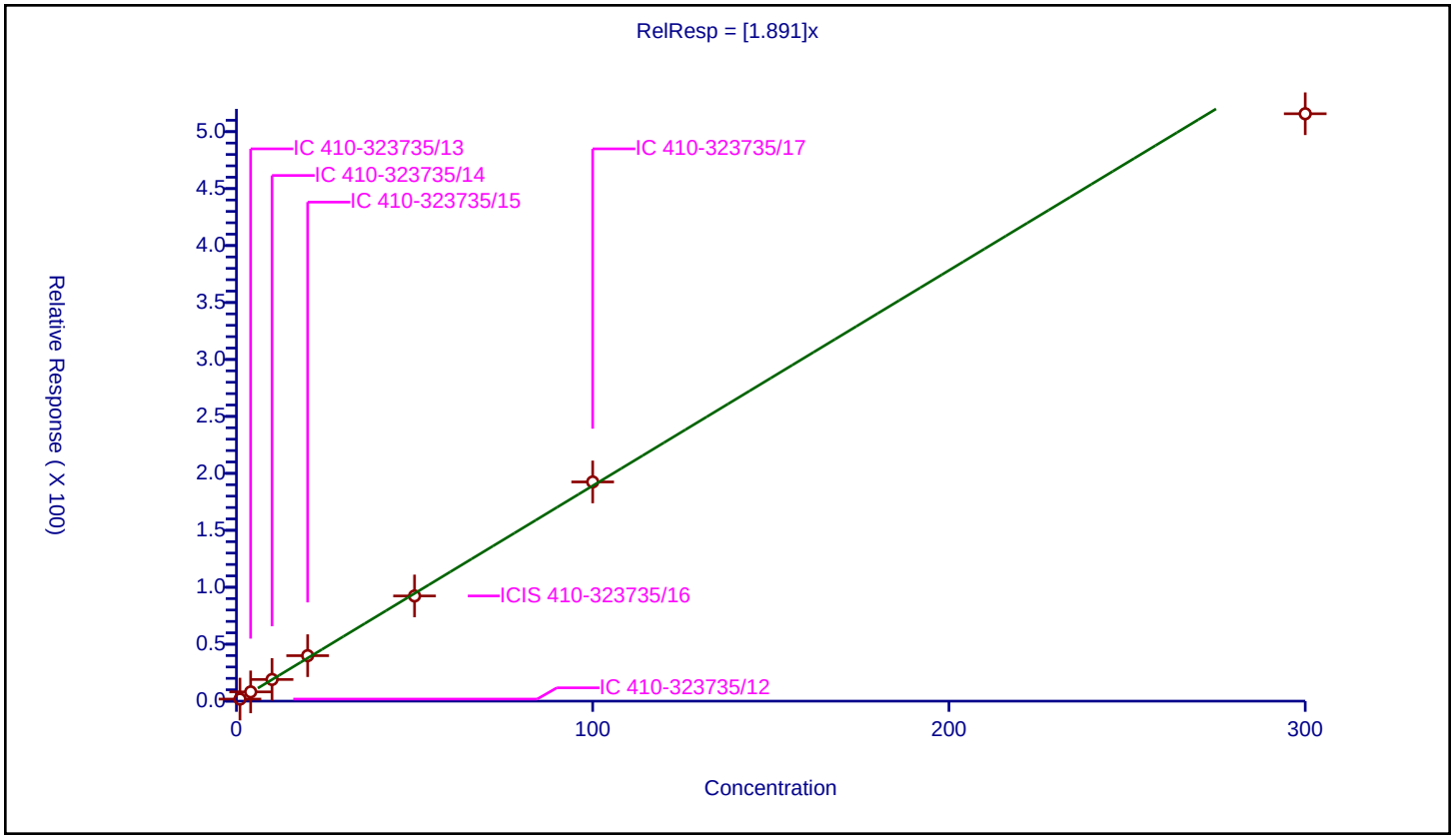
Curve Coefficients

Intercept:	0
Slope:	1.891

Error Coefficients

Standard Error:	2790000
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 410-323735/12	1.0	1.81356	50.0	573623.0	1.81356	Y
2	IC 410-323735/13	4.0	8.133232	50.0	581165.0	2.033308	Y
3	IC 410-323735/14	10.0	19.031931	50.0	592520.0	1.903193	Y
4	IC 410-323735/15	20.0	39.92959	50.0	574063.0	1.996479	Y
5	ICIS 410-323735/16	50.0	92.354754	50.0	621360.0	1.847095	Y
6	IC 410-323735/17	100.0	192.465217	50.0	582472.0	1.924652	Y
7	IC 410-323735/18	300.0	515.749739	50.0	614734.0	1.719166	Y



Calibration / n-Butylbenzene

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

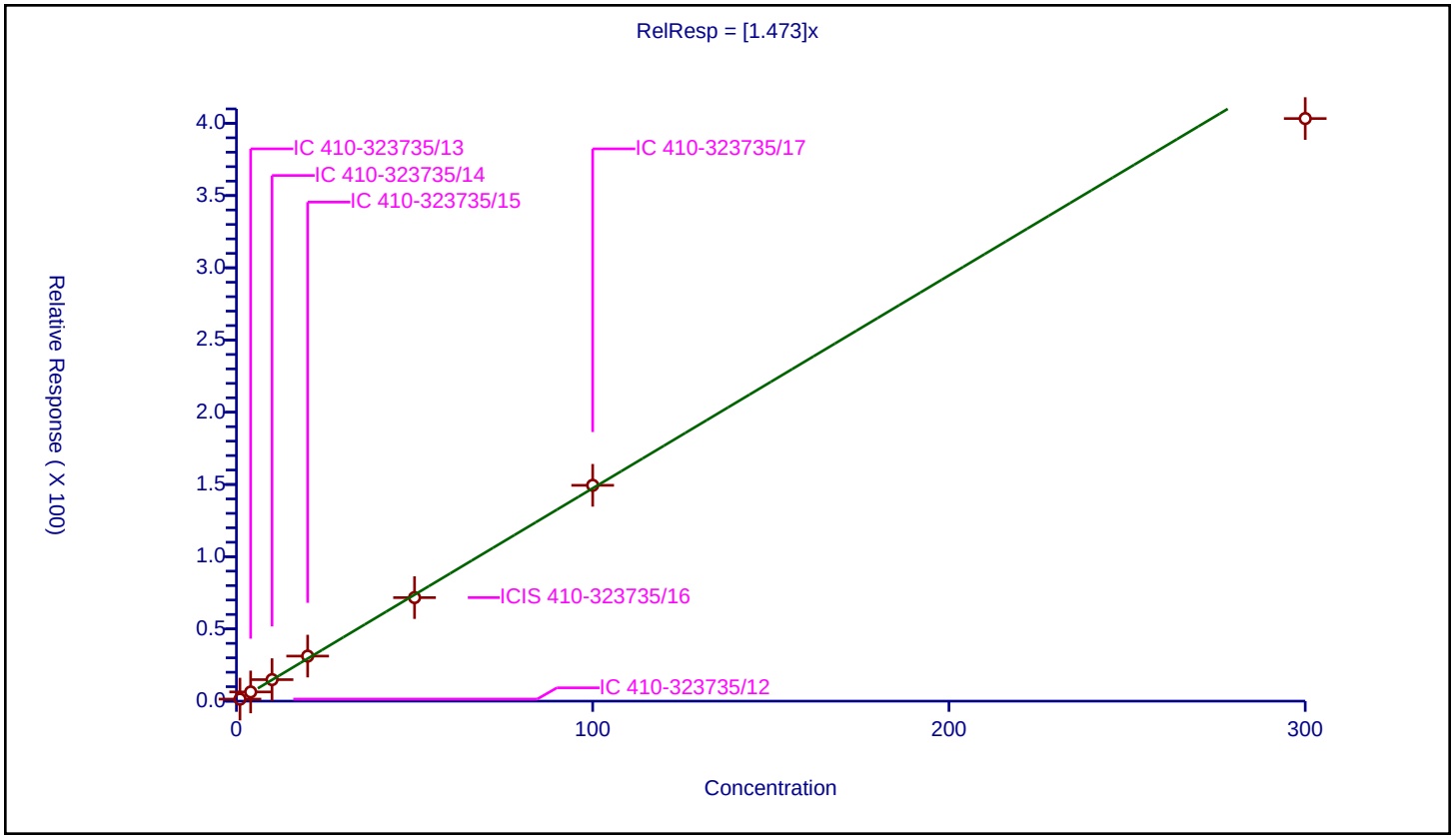
Curve Coefficients

Intercept:	0
Slope:	1.473

Error Coefficients

Standard Error:	2180000
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 410-323735/12	1.0	1.40214	50.0	573623.0	1.40214	Y
2	IC 410-323735/13	4.0	6.368931	50.0	581165.0	1.592233	Y
3	IC 410-323735/14	10.0	14.889118	50.0	592520.0	1.488912	Y
4	IC 410-323735/15	20.0	31.182205	50.0	574063.0	1.55911	Y
5	ICIS 410-323735/16	50.0	71.680507	50.0	621360.0	1.43361	Y
6	IC 410-323735/17	100.0	149.408212	50.0	582472.0	1.494082	Y
7	IC 410-323735/18	300.0	403.311107	50.0	614734.0	1.34437	Y



Calibration / 1,2-Dichlorobenzene

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

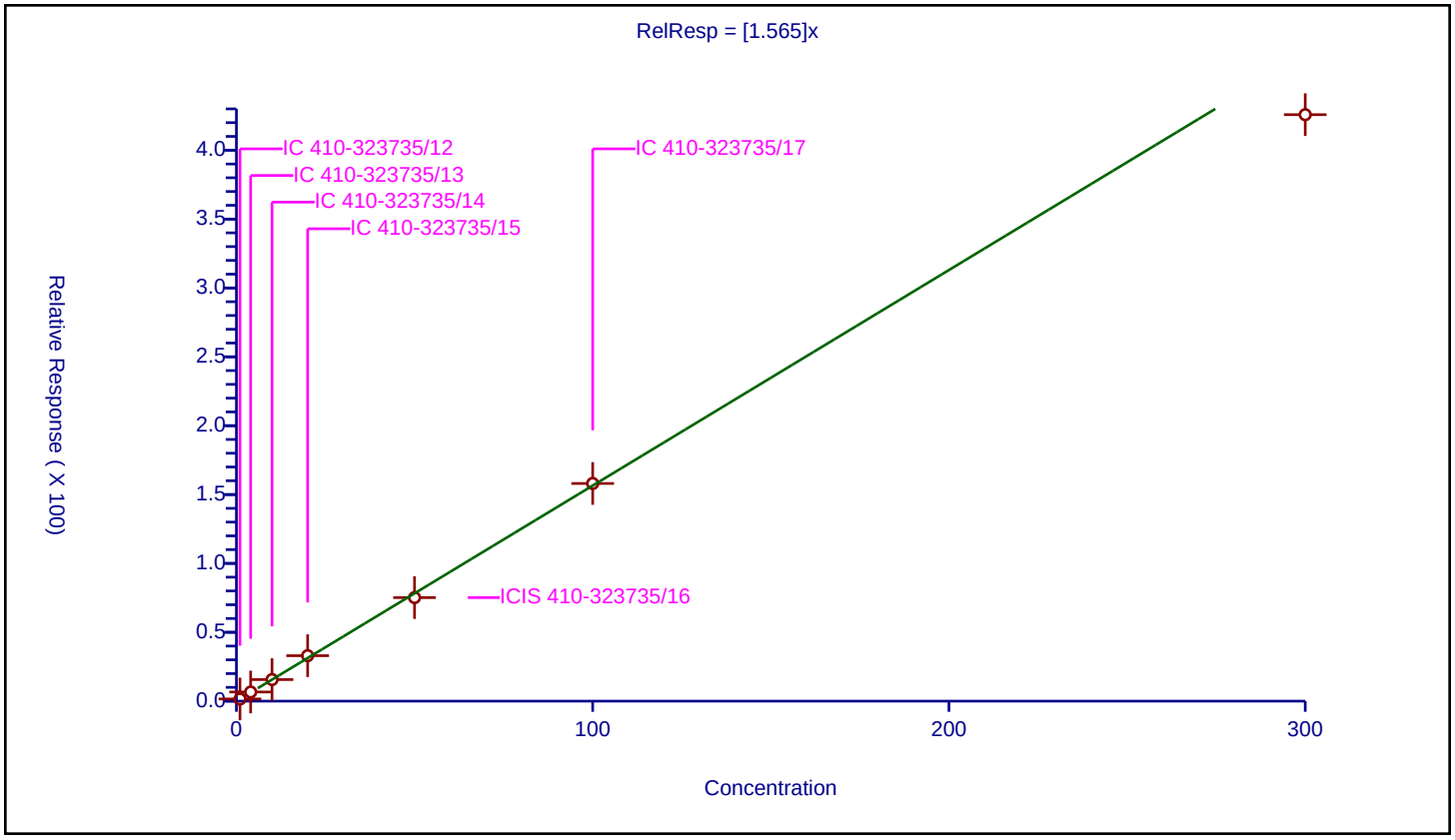
Curve Coefficients

Intercept:	0
Slope:	1.565

Error Coefficients

Standard Error:	2300000
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 410-323735/12	1.0	1.574292	50.0	573623.0	1.574292	Y
2	IC 410-323735/13	4.0	6.644326	50.0	581165.0	1.661082	Y
3	IC 410-323735/14	10.0	15.659809	50.0	592520.0	1.565981	Y
4	IC 410-323735/15	20.0	33.006482	50.0	574063.0	1.650324	Y
5	ICIS 410-323735/16	50.0	75.182744	50.0	621360.0	1.503655	Y
6	IC 410-323735/17	100.0	158.028111	50.0	582472.0	1.580281	Y
7	IC 410-323735/18	300.0	425.796686	50.0	614734.0	1.419322	Y



Calibration / o-diethylbenzene

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

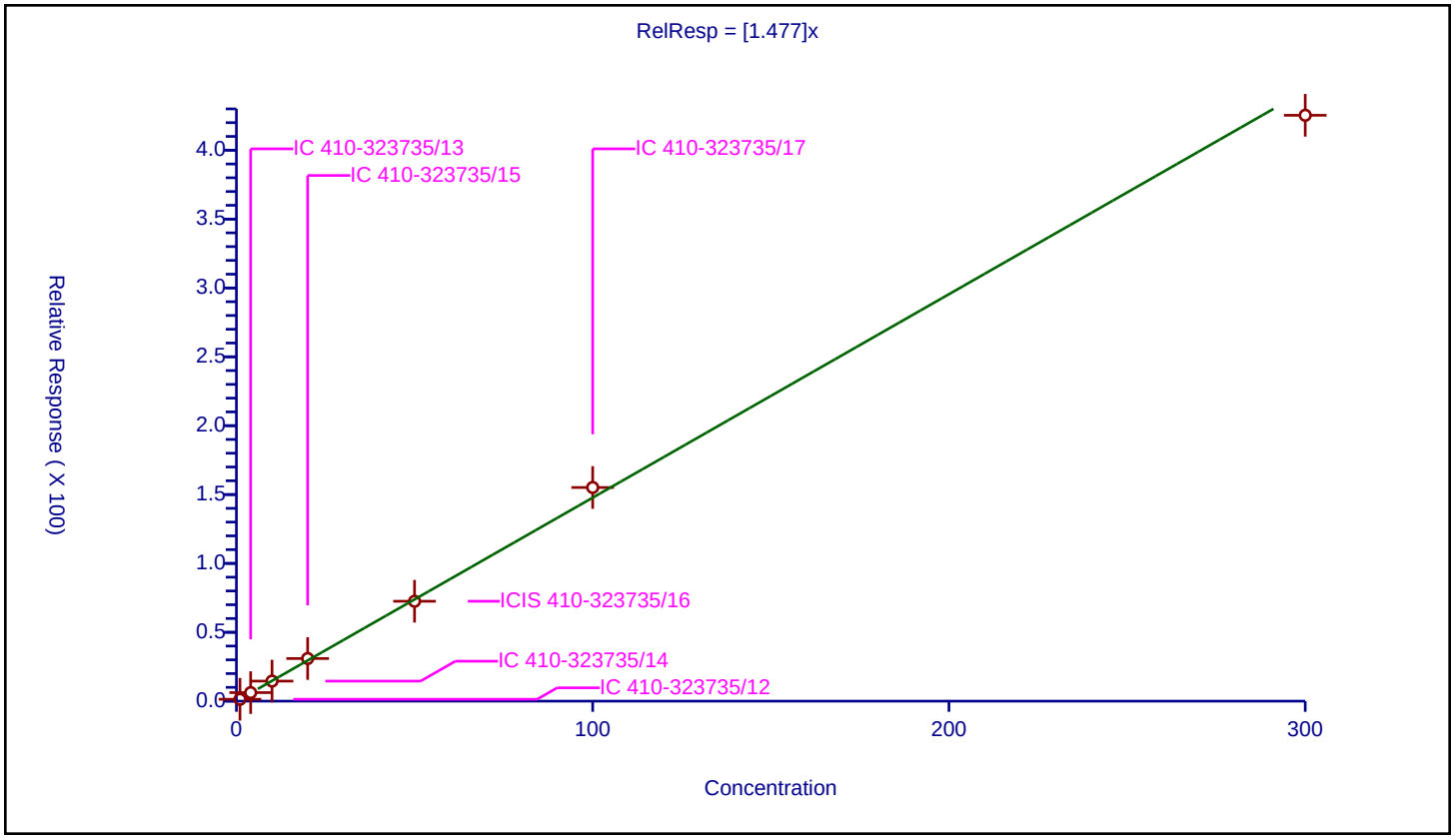
Curve Coefficients

Intercept:	0
Slope:	1.477

Error Coefficients

Standard Error:	2290000
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 410-323735/12	1.0	1.369018	50.0	573623.0	1.369018	Y
2	IC 410-323735/13	4.0	6.197207	50.0	581165.0	1.549302	Y
3	IC 410-323735/14	10.0	14.55107	50.0	592520.0	1.455107	Y
4	IC 410-323735/15	20.0	30.951481	50.0	574063.0	1.547574	Y
5	ICIS 410-323735/16	50.0	72.521727	50.0	621360.0	1.450435	Y
6	IC 410-323735/17	100.0	155.12574	50.0	582472.0	1.551257	Y
7	IC 410-323735/18	300.0	425.36528	50.0	614734.0	1.417884	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

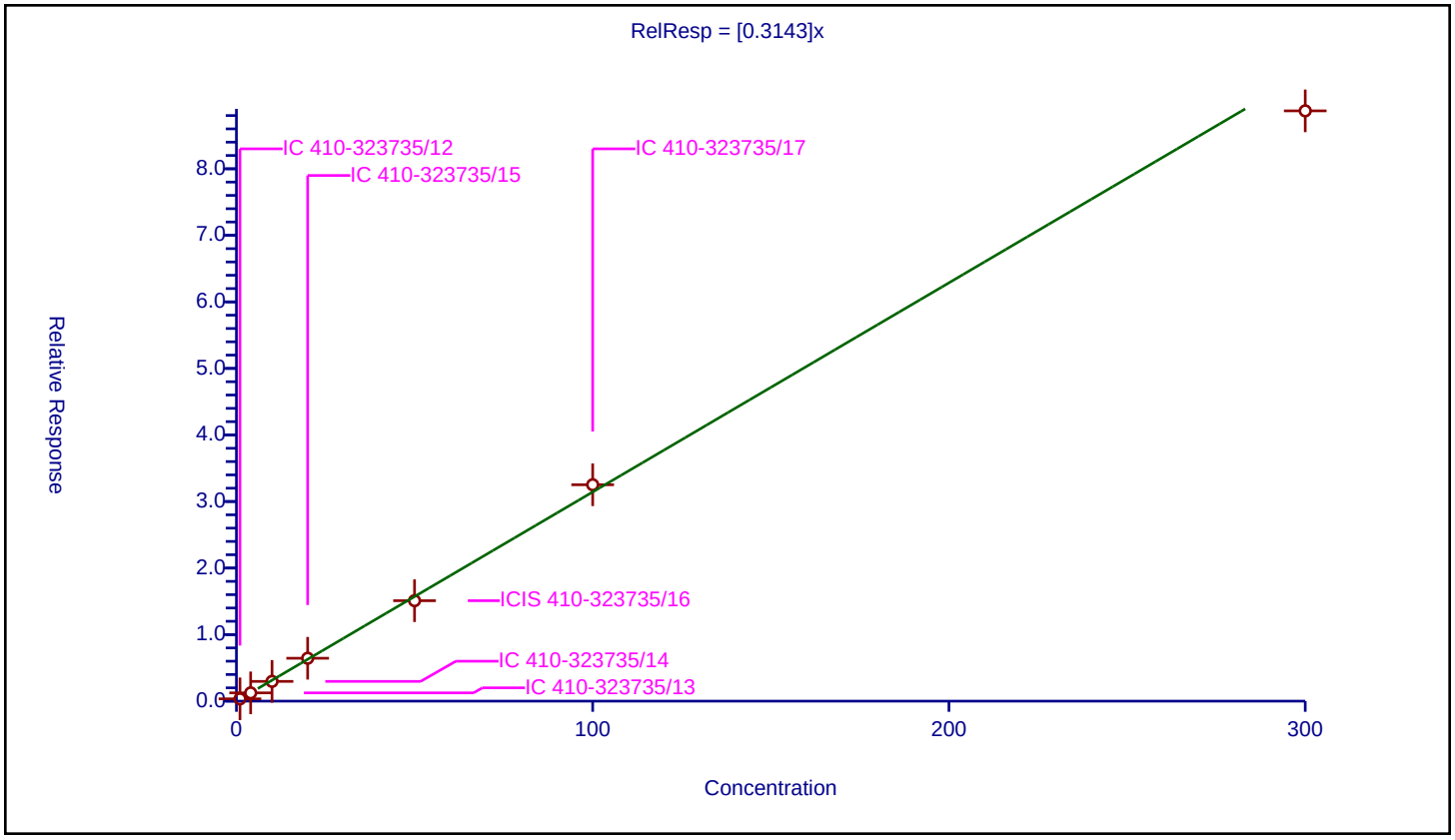
Curve Coefficients

Intercept:	0
Slope:	0.3143

Error Coefficients

Standard Error:	479000
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 410-323735/12	1.0	0.347877	50.0	573623.0	0.347877	Y
2	IC 410-323735/13	4.0	1.241644	50.0	581165.0	0.310411	Y
3	IC 410-323735/14	10.0	2.968845	50.0	592520.0	0.296884	Y
4	IC 410-323735/15	20.0	6.445547	50.0	574063.0	0.322277	Y
5	ICIS 410-323735/16	50.0	15.093907	50.0	621360.0	0.301878	Y
6	IC 410-323735/17	100.0	32.51667	50.0	582472.0	0.325167	Y
7	IC 410-323735/18	300.0	88.702919	50.0	614734.0	0.295676	Y



Calibration / 1,3,5-Trichlorobenzene

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

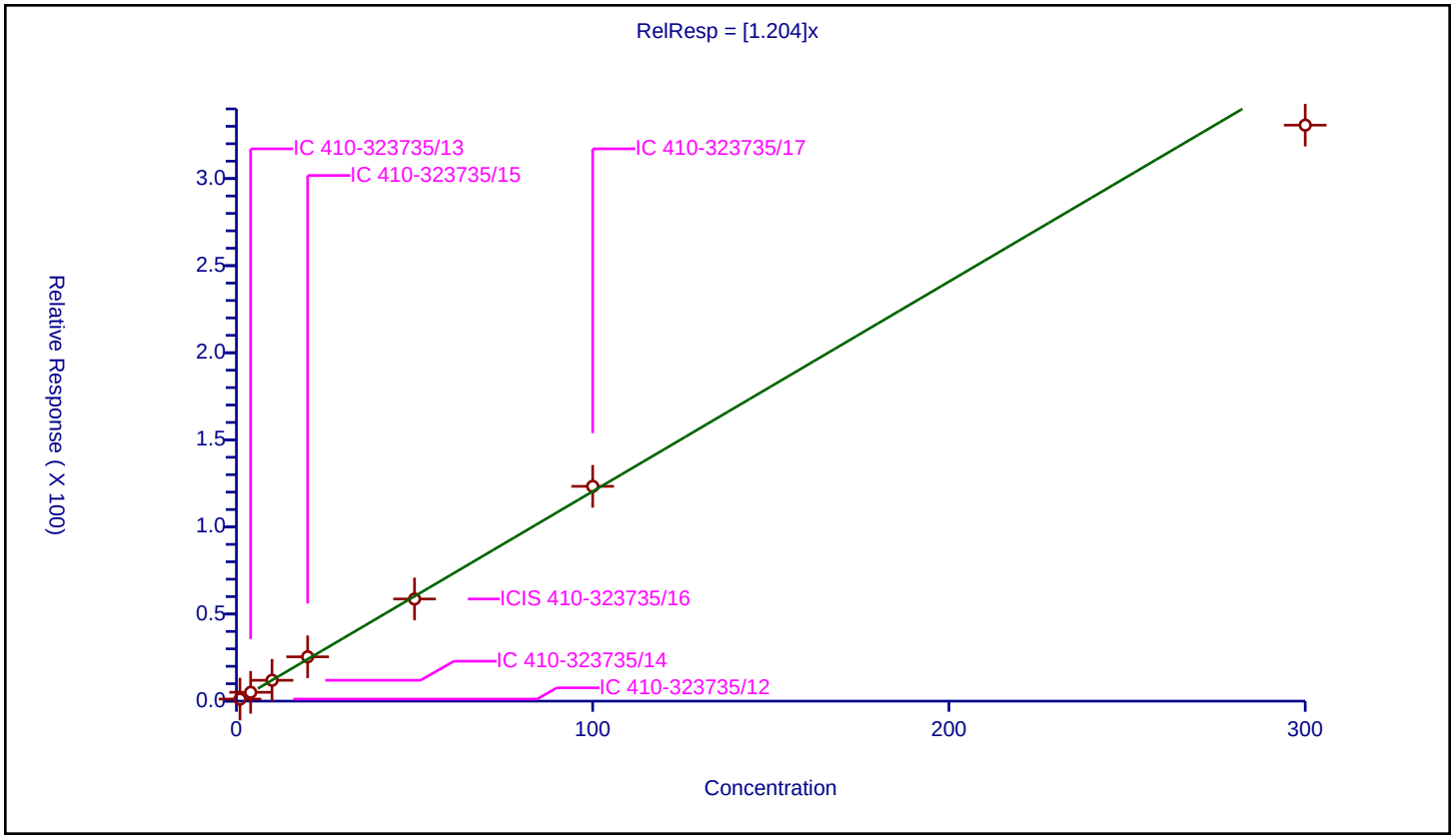
Curve Coefficients

Intercept:	0
Slope:	1.204

Error Coefficients

Standard Error:	1790000
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 410-323735/12	1.0	1.178736	50.0	573623.0	1.178736	Y
2	IC 410-323735/13	4.0	5.084701	50.0	581165.0	1.271175	Y
3	IC 410-323735/14	10.0	11.984574	50.0	592520.0	1.198457	Y
4	IC 410-323735/15	20.0	25.437191	50.0	574063.0	1.27186	Y
5	ICIS 410-323735/16	50.0	58.646437	50.0	621360.0	1.172929	Y
6	IC 410-323735/17	100.0	123.327645	50.0	582472.0	1.233276	Y
7	IC 410-323735/18	300.0	330.676032	50.0	614734.0	1.102253	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

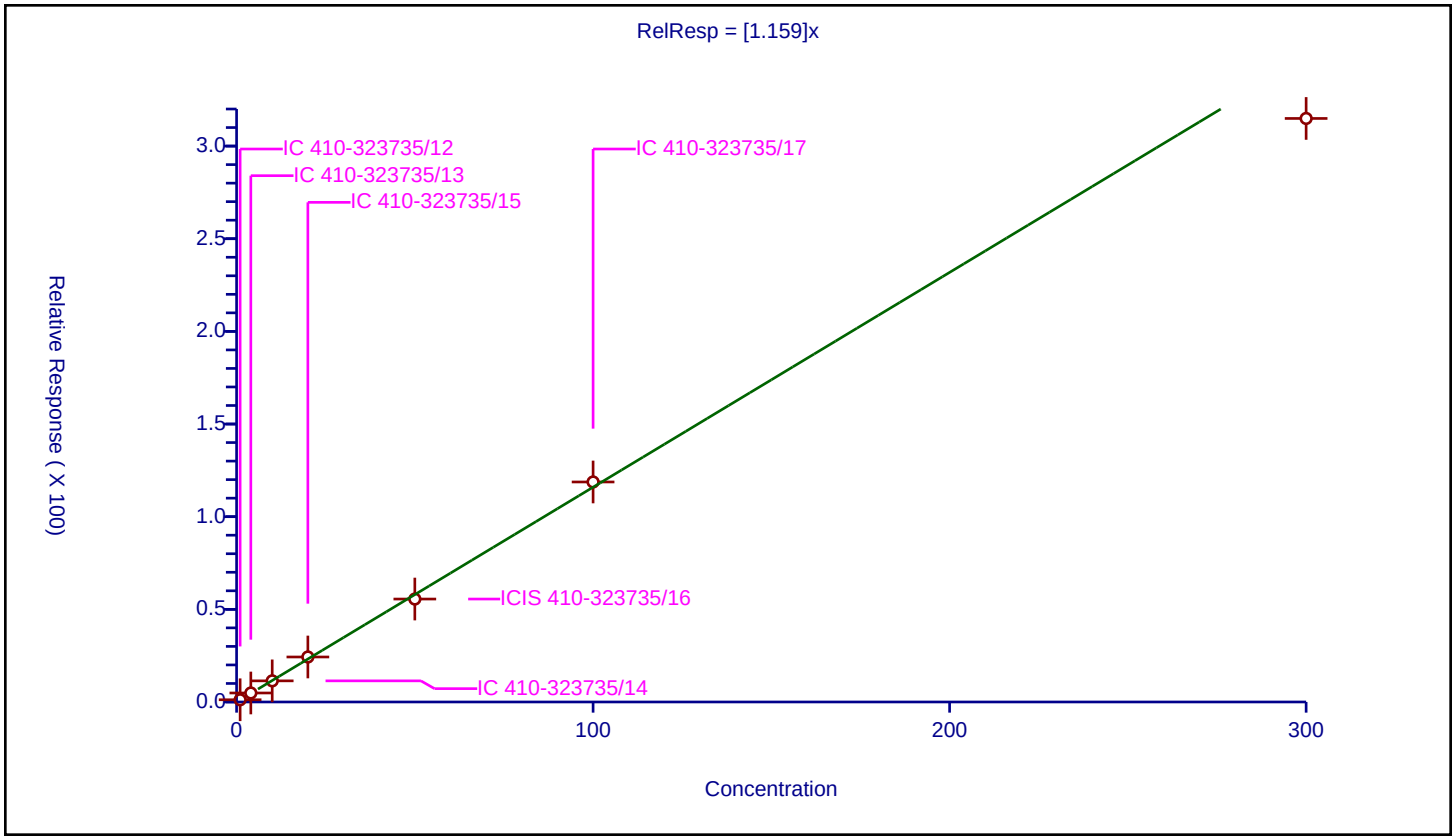
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Standard Error:	1710000
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 410-323735/12	1.0	1.198871	50.0	573623.0	1.198871	Y
2	IC 410-323735/13	4.0	4.851548	50.0	581165.0	1.212887	Y
3	IC 410-323735/14	10.0	11.4024	50.0	592520.0	1.14024	Y
4	IC 410-323735/15	20.0	24.278781	50.0	574063.0	1.213939	Y
5	ICIS 410-323735/16	50.0	55.549601	50.0	621360.0	1.110992	Y
6	IC 410-323735/17	100.0	118.725793	50.0	582472.0	1.187258	Y
7	IC 410-323735/18	300.0	314.908237	50.0	614734.0	1.049694	Y



Calibration / Hexachlorobutadiene

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

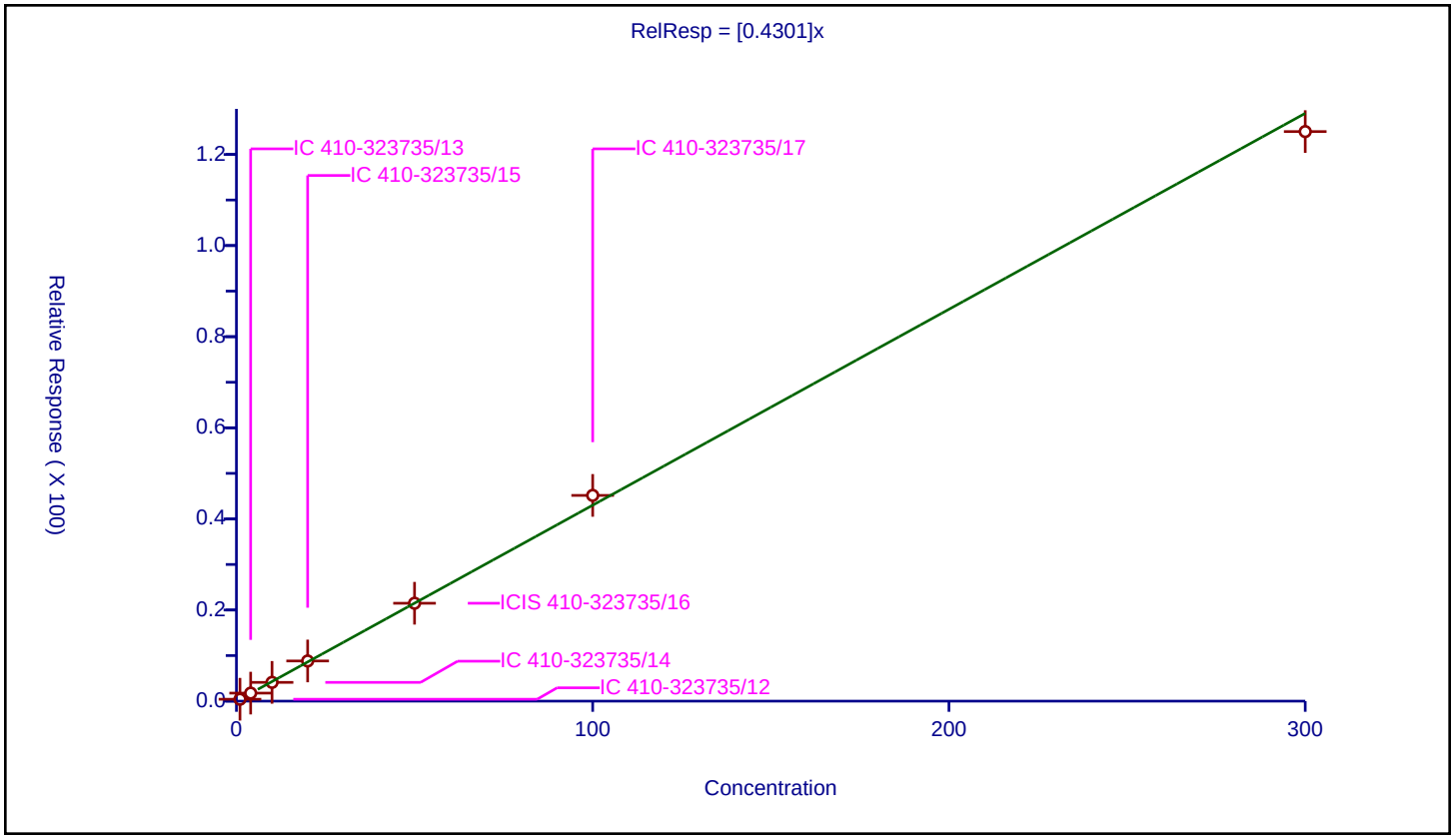
Curve Coefficients

Intercept:	0
Slope:	0.4301

Error Coefficients

Standard Error:	674000
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 410-323735/12	1.0	0.418568	50.0	573623.0	0.418568	Y
2	IC 410-323735/13	4.0	1.763871	50.0	581165.0	0.440968	Y
3	IC 410-323735/14	10.0	4.12003	50.0	592520.0	0.412003	Y
4	IC 410-323735/15	20.0	8.817412	50.0	574063.0	0.440871	Y
5	ICIS 410-323735/16	50.0	21.489233	50.0	621360.0	0.429785	Y
6	IC 410-323735/17	100.0	45.156935	50.0	582472.0	0.451569	Y
7	IC 410-323735/18	300.0	125.020741	50.0	614734.0	0.416736	Y



Calibration / Naphthalene

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

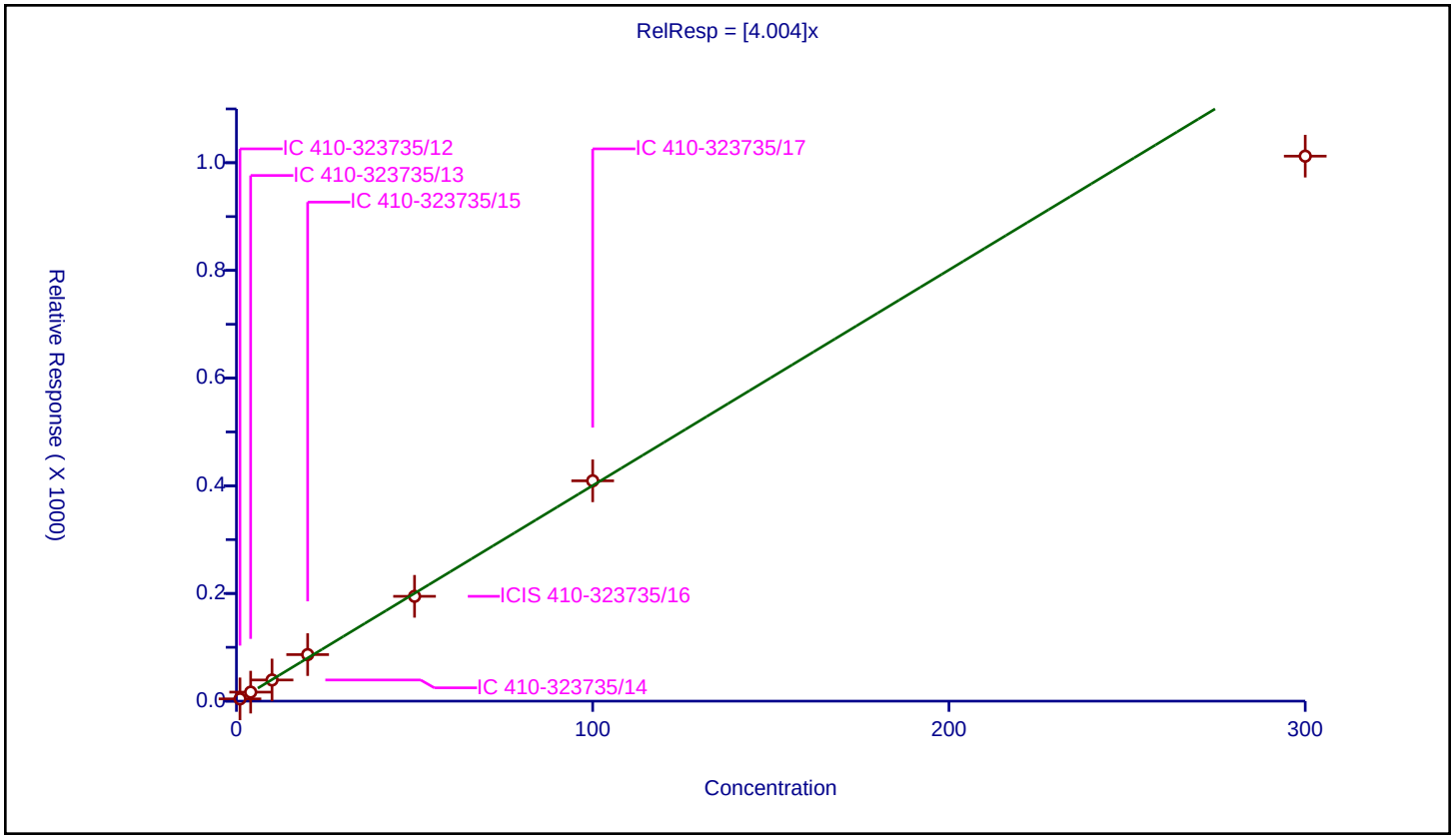
Curve Coefficients

Intercept:	0
Slope:	4.004

Error Coefficients

Standard Error:	5550000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-323735/12	1.0	4.230566	50.0	573623.0	4.230566	Y
2	IC 410-323735/13	4.0	16.751353	50.0	581165.0	4.187838	Y
3	IC 410-323735/14	10.0	39.307365	50.0	592520.0	3.930737	Y
4	IC 410-323735/15	20.0	86.423267	50.0	574063.0	4.321163	Y
5	ICIS 410-323735/16	50.0	194.697196	50.0	621360.0	3.893944	Y
6	IC 410-323735/17	100.0	409.228341	50.0	582472.0	4.092283	Y
7	IC 410-323735/18	300.0	1012.222441	50.0	614734.0	3.374075	Y



Calibration / 1,2,3-Trichlorobenzene

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

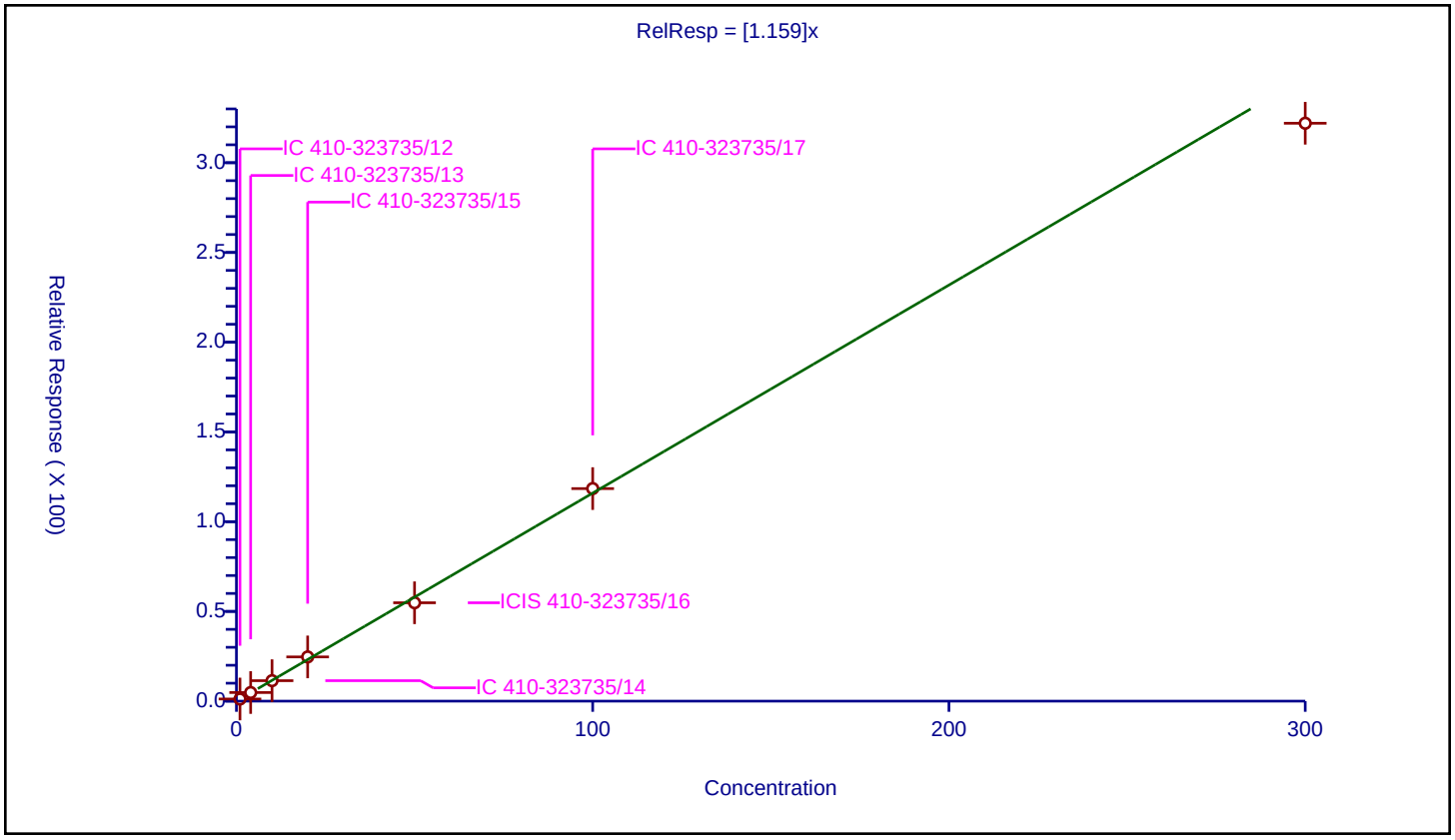
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Standard Error:	1740000
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 410-323735/12	1.0	1.188324	50.0	573623.0	1.188324	Y
2	IC 410-323735/13	4.0	4.797089	50.0	581165.0	1.199272	Y
3	IC 410-323735/14	10.0	11.399446	50.0	592520.0	1.139945	Y
4	IC 410-323735/15	20.0	24.649646	50.0	574063.0	1.232482	Y
5	ICIS 410-323735/16	50.0	54.819911	50.0	621360.0	1.096398	Y
6	IC 410-323735/17	100.0	118.441401	50.0	582472.0	1.184414	Y
7	IC 410-323735/18	300.0	322.005615	50.0	614734.0	1.073352	Y



Calibration / 2-Methylnaphthalene

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

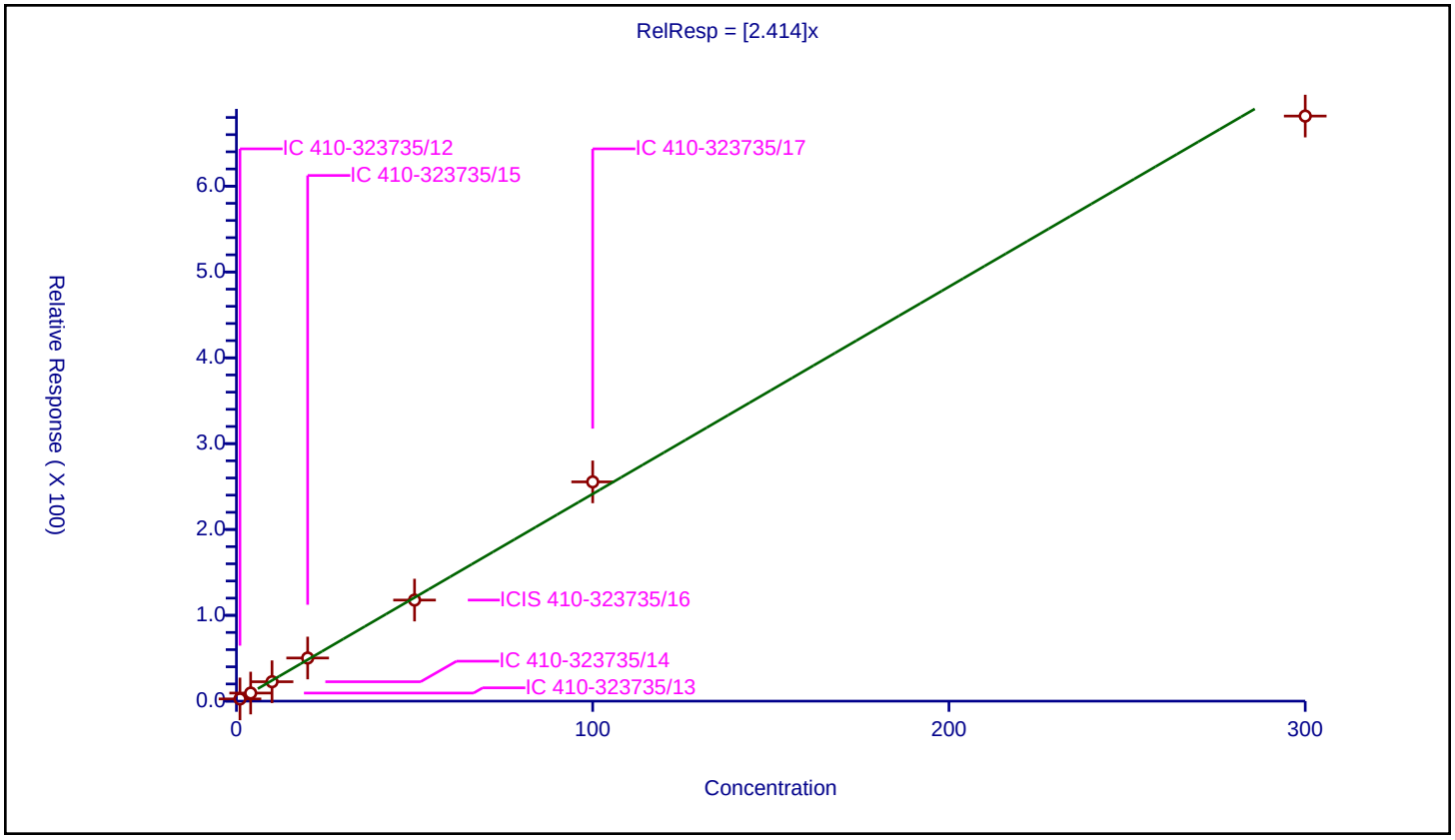
Curve Coefficients

Intercept:	0
Slope:	2.414

Error Coefficients

Standard Error:	3690000
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 410-323735/12	1.0	2.587762	50.0	573623.0	2.587762	Y
2	IC 410-323735/13	4.0	9.413161	50.0	581165.0	2.35329	Y
3	IC 410-323735/14	10.0	22.62008	50.0	592520.0	2.262008	Y
4	IC 410-323735/15	20.0	50.250756	50.0	574063.0	2.512538	Y
5	ICIS 410-323735/16	50.0	117.736578	50.0	621360.0	2.354732	Y
6	IC 410-323735/17	100.0	255.454597	50.0	582472.0	2.554546	Y
7	IC 410-323735/18	300.0	681.639701	50.0	614734.0	2.272132	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-323735/20 Calibration Date: 12/05/2022 23:37

Instrument ID: 23297 Calib Start Date: 12/05/2022 20:37

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/05/2022 22:52

Lab File ID: 4D05X20.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	0.5011	0.3791	0.1000	15.1	20.0	-24.4	30.0
Chloromethane	Ave	0.4336	0.3376	0.1000	15.6	20.0	-22.1	30.0
Vinyl chloride	Ave	0.4135	0.3536	0.1000	17.1	20.0	-14.5	30.0
1,3-Butadiene	Ave	0.3771	0.3003		15.9	20.0	-20.4	30.0
Bromomethane	Ave	0.2949	0.2778	0.1000	18.8	20.0	-5.8	30.0
Chloroethane	Ave	0.2162	0.1897	0.1000	17.6	20.0	-12.2	30.0
Dichlorofluoromethane	Ave	0.5654	0.5198		18.4	20.0	-8.1	30.0
Trichlorofluoromethane	Ave	0.5279	0.4410	0.1000	16.7	20.0	-16.5	30.0
n-Pentane	Ave	0.3507	0.3292		19.1	20.0	-6.1	30.0
Ethanol	Ave	0.0684	0.0668		976	1000	-2.4	30.0
Freon 123a	Ave	0.2962	0.2868		19.4	20.0	-3.2	30.0
Acrolein	Ave	1.083	1.136		157	150	4.9	30.0
1,1-Dichloroethene	Ave	0.2429	0.2335	0.1000	19.2	20.0	-3.9	30.0
Acetone	Ave	0.5796	0.5506	0.1000	239	250	-5.0	30.0
Freon 113	Ave	0.2662	0.2745	0.1000	20.6	20.0	3.1	30.0
Methyl iodide	Ave	0.4614	0.4776		20.7	20.0	3.5	30.0
2-Propanol	Ave	0.5968	0.5408		136	150	-9.4	30.0
Carbon disulfide	Ave	0.7509	0.7753	0.1000	20.6	20.0	3.2	30.0
Methyl acetate	Ave	0.2973	0.3345	0.1000	22.5	20.0	12.5	30.0
Allyl chloride	Ave	0.3142	0.3221		20.5	20.0	2.5	30.0
Methylene Chloride	Ave	0.2684	0.2619	0.1000	19.5	20.0	-2.4	30.0
t-Butyl alcohol	Ave	1.005	0.8385		167	200	-16.6	30.0
Acrylonitrile	Ave	0.1688	0.1656		98.1	100	-1.9	30.0
Methyl tertiary butyl ether	Ave	0.7695	0.7941	0.1000	20.6	20.0	3.2	30.0
trans-1,2-Dichloroethene	Ave	0.2476	0.2372	0.1000	19.2	20.0	-4.2	30.0
n-Hexane	Ave	0.3189	0.3116		19.5	20.0	-2.3	30.0
1,1-Dichloroethane	Ave	0.4013	0.3857	0.2000	19.2	20.0	-3.9	30.0
di-Isopropyl ether	Ave	0.6854	0.6849		20.0	20.0	-0.0	30.0
2-Chloro-1,3-butadiene	Ave	0.3356	0.3407		20.3	20.0	1.5	30.0
Ethyl t-butyl ether	Ave	0.7149	0.7249		20.3	20.0	1.4	30.0
2-Butanone	Ave	0.2288	0.2364	0.1000	258	250	3.4	30.0
cis-1,2-Dichloroethene	Ave	0.2710	0.2787	0.1000	20.6	20.0	2.8	30.0
2,2-Dichloropropane	Ave	0.4191	0.4222		20.1	20.0	0.7	30.0
Propionitrile	Ave	0.9161	0.8628		141	150	-5.8	30.0
Methacrylonitrile	Ave	0.1728	0.1690		147	150	-2.2	30.0
Bromochloromethane	Ave	0.1503	0.1516		20.2	20.0	0.8	30.0
Tetrahydrofuran	Ave	0.8914	0.8522		95.6	100	-4.4	30.0
Chloroform	Ave	0.4348	0.4324	0.2000	19.9	20.0	-0.6	30.0
1,1,1-Trichloroethane	Ave	0.4223	0.4237	0.1000	20.1	20.0	0.3	30.0
Cyclohexane	Ave	0.4354	0.4287	0.1000	19.7	20.0	-1.5	30.0
Carbon tetrachloride	Ave	0.3655	0.3578	0.1000	19.6	20.0	-2.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-323735/20 Calibration Date: 12/05/2022 23:37

Instrument ID: 23297 Calib Start Date: 12/05/2022 20:37

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/05/2022 22:52

Lab File ID: 4D05X20.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
1,1-Dichloropropene	Ave	0.3216	0.3255		20.2	20.0	1.2	30.0
Isobutyl alcohol	Ave	0.2865	0.2673		466	500	-6.7	30.0
Benzene	Ave	0.9588	0.996	0.5000	20.8	20.0	3.9	30.0
1,2-Dichloroethane	Ave	0.3528	0.3422	0.1000	19.4	20.0	-3.0	30.0
t-Amyl methyl ether	Ave	0.7246	0.7462		20.6	20.0	3.0	30.0
n-Heptane	Ave	0.3274	0.3154		19.3	20.0	-3.7	30.0
n-Butanol	Ave	0.2544	0.2414		949	1000	-5.1	30.0
Trichloroethene	Ave	0.2696	0.2607	0.2000	19.3	20.0	-3.3	30.0
Methylcyclohexane	Ave	0.4751	0.4686	0.1000	19.7	20.0	-1.4	30.0
1,2-Dichloropropane	Ave	0.2484	0.2494	0.1000	20.1	20.0	0.4	30.0
t-Amyl ethyl ether	Ave	0.3447	0.3425		19.9	20.0	-0.7	30.0
Methyl methacrylate	Ave	0.2628	0.2513		19.1	20.0	-4.4	30.0
1,4-Dioxane	Ave	0.0671	0.0748	0.0050	557	500	11.5	30.0
Dibromomethane	Ave	0.1858	0.1895		20.4	20.0	2.0	30.0
Bromodichloromethane	Ave	0.3376	0.3286	0.2000	19.5	20.0	-2.7	30.0
2-Nitropropane	Ave	1.620	1.473		18.2	20.0	-9.1	30.0
2-Chloroethyl vinyl ether	Ave	0.1939	0.1910		19.7	20.0	-1.5	30.0
cis-1,3-Dichloropropene	Ave	0.4070	0.4020	0.2000	19.8	20.0	-1.2	30.0
4-Methyl-2-pentanone	Ave	0.4359	0.4515	0.1000	259	250	3.6	30.0
Toluene	Ave	0.8034	0.8240	0.4000	20.5	20.0	2.6	30.0
trans-1,3-Dichloropropene	Ave	0.4932	0.4926	0.1000	20.0	20.0	-0.1	30.0
Ethyl methacrylate	Ave	0.5454	0.5394		19.8	20.0	-1.1	30.0
1,1,2-Trichloroethane	Ave	0.3274	0.3334	0.1000	20.4	20.0	1.8	30.0
Tetrachloroethene	Ave	0.3752	0.3806	0.2000	20.3	20.0	1.4	30.0
1,3-Dichloropropane	Ave	0.4972	0.5073		20.4	20.0	2.0	30.0
2-Hexanone	Ave	0.4139	0.4544	0.1000	274	250	9.8	30.0
Dibromochloromethane	Ave	0.3637	0.3613		19.9	20.0	-0.7	30.0
1,2-Dibromoethane	Ave	0.3605	0.3721	0.1000	20.6	20.0	3.2	30.0
1-Chlorohexane	Ave	0.4860	0.4568		18.8	20.0	-6.0	30.0
Chlorobenzene	Ave	0.9772	0.9766	0.5000	20.0	20.0	-0.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3646	0.3756		20.6	20.0	3.0	30.0
Ethylbenzene	Ave	1.619	1.670	0.1000	20.6	20.0	3.2	30.0
m&p-Xylene	Ave	0.6457	0.6627	0.1000	41.1	40.0	2.6	30.0
o-Xylene	Ave	0.6637	0.6846	0.3000	20.6	20.0	3.2	30.0
Styrene	Ave	1.063	1.107	0.3000	20.8	20.0	4.1	30.0
Bromoform	Ave	0.2943	0.2829	0.1000	19.2	20.0	-3.9	30.0
Isopropylbenzene	Ave	1.735	1.834	0.1000	21.1	20.0	5.7	30.0
Cyclohexanone	Ave	0.2906	0.2642		455	500	-9.1	30.0
1,1,2,2-Tetrachloroethane	Ave	1.058	1.108	0.3000	20.9	20.0	4.7	30.0
Bromobenzene	Ave	0.7589	0.7803		20.6	20.0	2.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2968	0.2989		101	100	0.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-323735/20 Calibration Date: 12/05/2022 23:37

Instrument ID: 23297 Calib Start Date: 12/05/2022 20:37

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/05/2022 22:52

Lab File ID: 4D05X20.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	0.3155	0.3228		20.5	20.0	2.3	30.0
N-Propylbenzene	Ave	3.469	3.580		20.6	20.0	3.2	30.0
2-Chlorotoluene	Ave	0.7565	0.7881		20.8	20.0	4.2	30.0
1,3,5-Trimethylbenzene	Ave	2.622	2.654		20.2	20.0	1.2	30.0
4-Chlorotoluene	Ave	0.7554	0.7515		19.9	20.0	-0.5	30.0
tert-Butylbenzene	Ave	0.5008	0.5141		20.5	20.0	2.7	30.0
1,2,4-Trimethylbenzene	Ave	2.733	2.781		20.4	20.0	1.8	30.0
sec-Butylbenzene	Ave	3.297	3.382		20.5	20.0	2.6	30.0
1,3-Dichlorobenzene	Ave	1.507	1.505	0.6000	20.0	20.0	-0.1	30.0
p-Isopropyltoluene	Ave	2.971	3.085		20.8	20.0	3.8	30.0
1,4-Dichlorobenzene	Ave	1.467	1.530	0.5000	20.8	20.0	4.2	30.0
1,2,3-Trimethylbenzene	Ave	2.786	2.824		20.3	20.0	1.4	30.0
Benzyl chloride	Ave	2.039	2.072		20.3	20.0	1.6	30.0
1,3-Diethylbenzene	Ave	1.793	1.820		20.3	20.0	1.5	30.0
1,4-Diethylbenzene	Ave	1.891	1.929		20.4	20.0	2.0	30.0
n-Butylbenzene	Ave	1.473	1.490		20.2	20.0	1.1	30.0
1,2-Dichlorobenzene	Ave	1.565	1.561	0.4000	20.0	20.0	-0.2	30.0
1,2-Diethylbenzene	Ave	1.477	1.455		19.7	20.0	-1.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3143	0.3073	0.0500	19.6	20.0	-2.2	30.0
1,3,5-Trichlorobenzene	Ave	1.204	1.211		20.1	20.0	0.5	30.0
1,2,4-Trichlorobenzene	Ave	1.159	1.206	0.2000	20.8	20.0	4.1	30.0
Hexachlorobutadiene	Ave	0.4301	0.4564		21.2	20.0	6.1	30.0
Naphthalene	Ave	4.004	4.209		21.0	20.0	5.1	30.0
1,2,3-Trichlorobenzene	Ave	1.159	1.183		20.4	20.0	2.1	30.0
2-Methylnaphthalene	Ave	2.414	2.624		21.7	20.0	8.7	30.0
Dibromofluoromethane (Surr)	Ave	0.2603	0.2623		50.4	50.0	0.8	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0594	0.0586		49.3	50.0	-1.4	30.0
Toluene-d8 (Surr)	Ave	1.283	1.296		50.5	50.0	1.1	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4884	0.4894		50.1	50.0	0.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 05-Dec-2022 23:37:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0072549-020
Misc. Info.: LG ICV
Operator ID: kas02648 Instrument ID: 23297
Sublist:

Method: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 06-Dec-2022 11:50:34 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: ULCP Date: 06-Dec-2022 06:20:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.861	1.867	-0.006	99	194685	20.0	15.1	M
4 Chloromethane	50	2.056	2.062	-0.006	99	173369	20.0	15.6	
5 Vinyl chloride	62	2.165	2.165	0.000	98	181587	20.0	17.1	
6 Butadiene	39	2.171	2.177	-0.006	94	154217	20.0	15.9	
8 Bromomethane	94	2.482	2.488	-0.006	91	142685	20.0	18.8	
9 Chloroethane	64	2.561	2.567	-0.006	100	97439	20.0	17.6	
10 Dichlorofluoromethane	67	2.792	2.798	-0.006	97	266950	20.0	18.4	
11 Trichlorofluoromethane	101	2.853	2.859	-0.006	98	226472	20.0	16.7	
12 Pentane	43	2.889	2.895	-0.006	96	169080	20.0	19.1	
13 Ethanol	45	3.035	3.041	-0.006	47	144673	1000.0	976.3	M
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.181	3.181	0.000	92	147301	20.0	19.4	
16 Acrolein	56	3.254	3.260	-0.006	99	368981	149.9	157.2	
17 1,1-Dichloroethene	96	3.394	3.394	0.000	98	119931	20.0	19.2	
18 Acetone	58	3.418	3.425	-0.007	100	298196	250.0	239.4	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.418	3.425	-0.007	92	140953	20.0	20.6	
21 Iodomethane	142	3.577	3.583	-0.006	98	245294	20.0	20.7	
20 Isopropyl alcohol	45	3.613	3.631	-0.018	64	175751	150.0	135.9	
22 Carbon disulfide	76	3.680	3.680	0.000	100	398171	20.0	20.6	
24 Methyl acetate	43	3.820	3.820	0.000	97	171770	20.0	22.5	
25 3-Chloro-1-propene	41	3.844	3.844	0.000	91	165395	20.0	20.5	
26 Methylene Chloride	84	4.021	4.027	-0.006	90	134507	20.0	19.5	
* 27 t-Butyl alcohol-d10 (IS)	65	4.082	4.082	0.000	85	541590	250.0	250.0	
28 2-Methyl-2-propanol	59	4.197	4.203	-0.006	100	363311	200.0	166.8	
29 Acrylonitrile	53	4.343	4.349	-0.006	98	425111	100.0	98.1	
30 Methyl tert-butyl ether	73	4.410	4.416	-0.006	95	407844	20.0	20.6	
31 trans-1,2-Dichloroethene	96	4.416	4.416	0.000	99	121812	20.0	19.2	
33 Hexane	57	4.860	4.860	0.000	93	160025	20.0	19.5	
34 1,1-Dichloroethane	63	5.085	5.085	0.000	96	198095	20.0	19.2	
36 Isopropyl ether	45	5.152	5.152	0.000	92	351754	20.0	20.0	
37 2-Chloro-1,3-butadiene	53	5.201	5.201	0.000	91	174974	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.700	5.694	0.006	97	372298	20.0	20.3	
39 2-Butanone (MEK)	43	5.913	5.913	0.000	100	1517857	250.0	258.4	
40 cis-1,2-Dichloroethene	96	5.931	5.931	0.000	82	143137	20.0	20.6	
41 2,2-Dichloropropane	77	5.943	5.943	0.000	88	216816	20.0	20.1	
43 Propionitrile	54	6.004	5.998	0.006	98	280361	150.0	141.3	
45 Methacrylonitrile	67	6.217	6.217	0.000	91	650770	150.0	146.7	
46 Chlorobromomethane	128	6.260	6.266	-0.006	88	77857	20.0	20.2	
47 Tetrahydrofuran	71	6.284	6.284	0.000	80	184620	100.0	95.6	
48 Chloroform	83	6.418	6.424	-0.006	93	222043	20.0	19.9	
$ 49 Dibromofluoromethane (Surr)	113	6.637	6.637	0.000	93	336802	50.0	50.4	
50 1,1,1-Trichloroethane	97	6.649	6.649	0.000	98	217620	20.0	20.1	
51 Cyclohexane	56	6.740	6.752	-0.012	90	220174	20.0	19.7	
52 Carbon tetrachloride	117	6.856	6.862	-0.006	96	183777	20.0	19.6	
53 1,1-Dichloropropene	75	6.862	6.862	0.000	98	167144	20.0	20.2	
54 Isobutyl alcohol	41	7.044	7.038	0.006	95	289549	500.0	466.4	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.099	7.093	0.006	87	75223	50.0	49.3	
56 Benzene	78	7.123	7.129	-0.006	97	511607	20.0	20.8	
57 1,2-Dichloroethane	62	7.196	7.202	-0.006	98	175726	20.0	19.4	
59 Tert-amyl methyl ether	73	7.318	7.318	0.000	98	383222	20.0	20.6	
* 60 Fluorobenzene (IS)	96	7.537	7.537	0.000	98	1283919	50.0	50.0	
61 n-Heptane	43	7.555	7.555	0.000	92	161994	20.0	19.3	
63 n-Butanol	56	7.926	7.926	0.000	88	522936	1000.0	948.8	
64 Trichloroethene	95	8.024	8.018	0.006	97	133891	20.0	19.3	
65 Methylcyclohexane	83	8.328	8.322	0.006	91	240641	20.0	19.7	
66 1,2-Dichloropropane	63	8.352	8.358	-0.006	93	128059	20.0	20.1	
67 2-ethoxy-2-methyl butane	87	8.364	8.364	0.000	93	175882	20.0	19.9	
68 Methyl methacrylate	69	8.444	8.444	0.000	89	129060	20.0	19.1	
69 1,4-Dioxane	88	8.456	8.462	-0.006	40	81009	500.0	557.4	
70 Dibromomethane	93	8.462	8.468	-0.006	96	97335	20.0	20.4	
72 Dichlorobromomethane	83	8.705	8.705	0.000	99	168765	20.0	19.5	
73 2-Nitropropane	41	8.979	8.979	0.000	99	63806	20.0	18.2	
74 2-Chloroethyl vinyl ether	63	9.076	9.076	0.000	92	98094	20.0	19.7	
75 cis-1,3-Dichloropropene	75	9.265	9.265	0.000	96	206457	20.0	19.8	
76 4-Methyl-2-pentanone (MIBK)	43	9.447	9.447	0.000	96	2898205	250.0	258.9	
$ 77 Toluene-d8 (Surr)	98	9.581	9.581	0.000	93	1290264	50.0	50.5	
78 Toluene	92	9.660	9.660	0.000	98	328035	20.0	20.5	
79 trans-1,3-Dichloropropene	75	9.922	9.928	-0.006	93	196104	20.0	20.0	
80 Ethyl methacrylate	69	9.995	9.989	0.006	88	214743	20.0	19.8	
103 1,1,2-Trichloroethane	97	10.135	10.135	0.000	90	132748	20.0	20.4	
104 Tetrachloroethene	166	10.220	10.220	0.000	97	151500	20.0	20.3	
105 1,3-Dichloropropane	76	10.299	10.299	0.000	90	201952	20.0	20.4	
107 2-Hexanone	43	10.354	10.354	0.000	96	2261177	250.0	274.5	
109 Chlorodibromomethane	129	10.512	10.512	0.000	90	143835	20.0	19.9	
110 Ethylene Dibromide	107	10.621	10.621	0.000	98	148122	20.0	20.6	
* 111 Chlorobenzene-d5 (IS)	117	11.066	11.066	0.000	84	995263	50.0	50.0	
112 1-Chlorohexane	91	11.078	11.078	0.000	95	181871	20.0	18.8	
113 Chlorobenzene	112	11.090	11.090	0.000	96	388770	20.0	20.0	
114 1,1,1,2-Tetrachloroethane	131	11.175	11.175	0.000	95	149539	20.0	20.6	
115 Ethylbenzene	91	11.181	11.181	0.000	98	664973	20.0	20.6	
117 m-Xylene & p-Xylene	106	11.297	11.297	0.000	100	527672	40.0	41.1	
118 o-Xylene	106	11.625	11.631	-0.006	96	272552	20.0	20.6	
119 Styrene	104	11.643	11.643	0.000	94	440660	20.0	20.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 Bromoform	173	11.802	11.796	0.006	96	112606	20.0	19.2	
121 Isopropylbenzene	105	11.929	11.929	0.000	96	730143	20.0	21.1	
123 Cyclohexanone	55	12.008	12.002	0.006	92	286225	500.1	454.7	
$ 124 4-Bromofluorobenzene (Surr)	95	12.075	12.075	0.000	91	487042	50.0	50.1	
125 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	94	257369	20.0	20.9	
126 Bromobenzene	156	12.191	12.191	0.000	95	181320	20.0	20.6	
127 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	95	347242	100.0	100.7	
128 1,2,3-Trichloropropane	110	12.221	12.221	0.000	81	75012	20.0	20.5	
129 N-Propylbenzene	91	12.264	12.264	0.000	98	831936	20.0	20.6	
130 2-Chlorotoluene	126	12.337	12.337	0.000	97	183124	20.0	20.8	
131 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	616791	20.0	20.2	
132 4-Chlorotoluene	126	12.434	12.428	0.006	97	174630	20.0	19.9	
134 tert-Butylbenzene	134	12.641	12.641	0.000	93	119464	20.0	20.5	
136 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	97	646190	20.0	20.4	
137 sec-Butylbenzene	105	12.805	12.805	0.000	94	785965	20.0	20.5	
138 1,3-Dichlorobenzene	146	12.903	12.903	0.000	98	349740	20.0	20.0	
139 4-Isopropyltoluene	119	12.915	12.915	0.000	97	716811	20.0	20.8	
* 140 1,4-Dichlorobenzene-d4	152	12.958	12.958	0.000	94	580923	50.0	50.0	
141 1,4-Dichlorobenzene	146	12.976	12.976	0.000	95	355410	20.0	20.8	
142 1,2,3-Trimethylbenzene	105	12.988	12.988	0.000	98	656307	20.0	20.3	
143 Benzyl chloride	91	13.055	13.055	0.000	98	481515	20.0	20.3	
144 1,3-Diethylbenzene	119	13.116	13.116	0.000	96	422922	20.0	20.3	
145 p-Diethylbenzene	119	13.189	13.189	0.000	94	448312	20.0	20.4	
146 n-Butylbenzene	92	13.207	13.207	0.000	96	346266	20.0	20.2	
147 1,2-Dichlorobenzene	146	13.237	13.237	0.000	99	362786	20.0	20.0	
148 o-diethylbenzene	119	13.262	13.262	0.000	94	338200	20.0	19.7	
150 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	87	71417	20.0	19.6	
151 1,3,5-Trichlorobenzene	180	13.907	13.907	0.000	97	281286	20.0	20.1	
152 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	94	280261	20.0	20.8	
153 Hexachlorobutadiene	225	14.418	14.418	0.000	98	106042	20.0	21.2	
154 Naphthalene	128	14.515	14.515	0.000	97	977984	20.0	21.0	
155 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	95	274965	20.0	20.4	
156 2-Methylnaphthalene	142	15.269	15.269	0.000	92	609771	20.0	21.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00085	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00090	Amount Added: 50.00	Units: uL	
MSV_LCS_CYC_00002	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00087	Amount Added: 50.00	Units: uL	
MSV_LCS_ETOH_00003	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00117	Amount Added: 50.00	Units: uL	
MSV_HP4_ISSS_00016	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Dec-2022 11:50:36 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X20.D

Injection Date: 05-Dec-2022 23:37:30 Instrument ID: 23297 Operator ID: kas02648

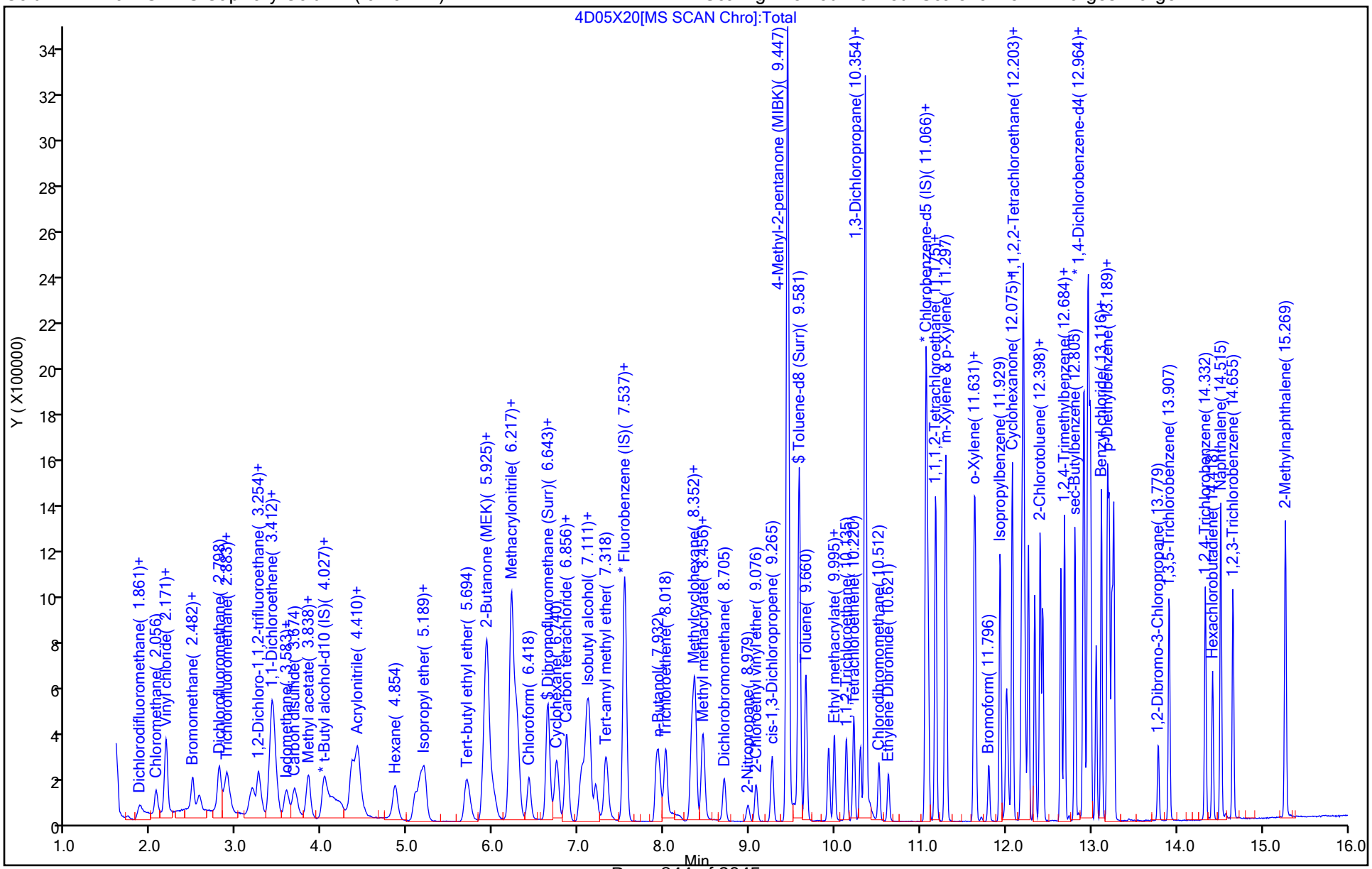
Lims ID: ICV Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 20

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

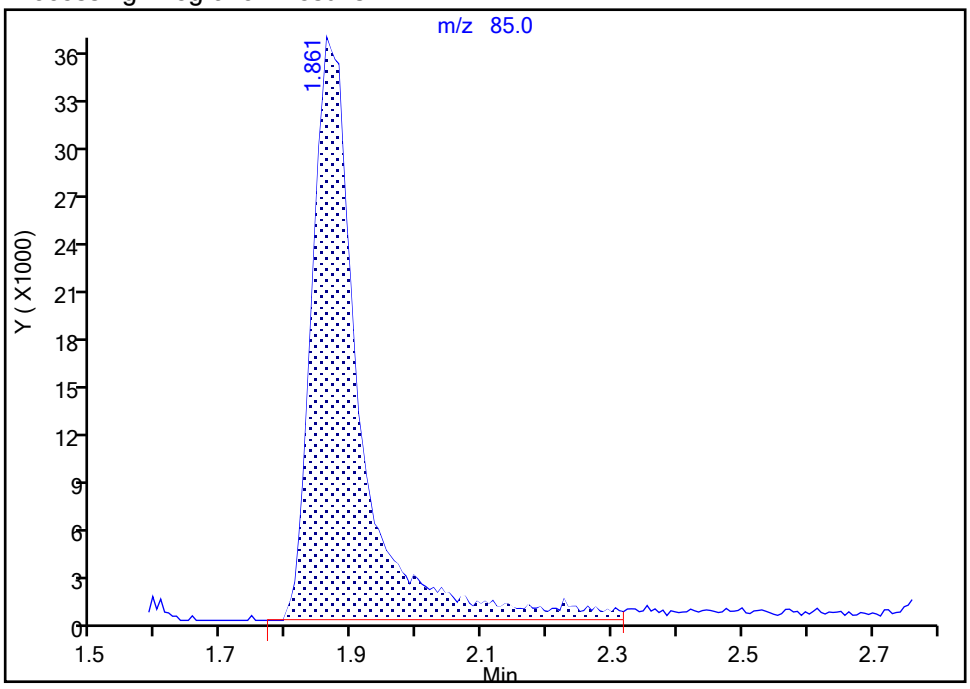
Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X20.D
Injection Date: 05-Dec-2022 23:37:30 Instrument ID: 23297
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

3 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

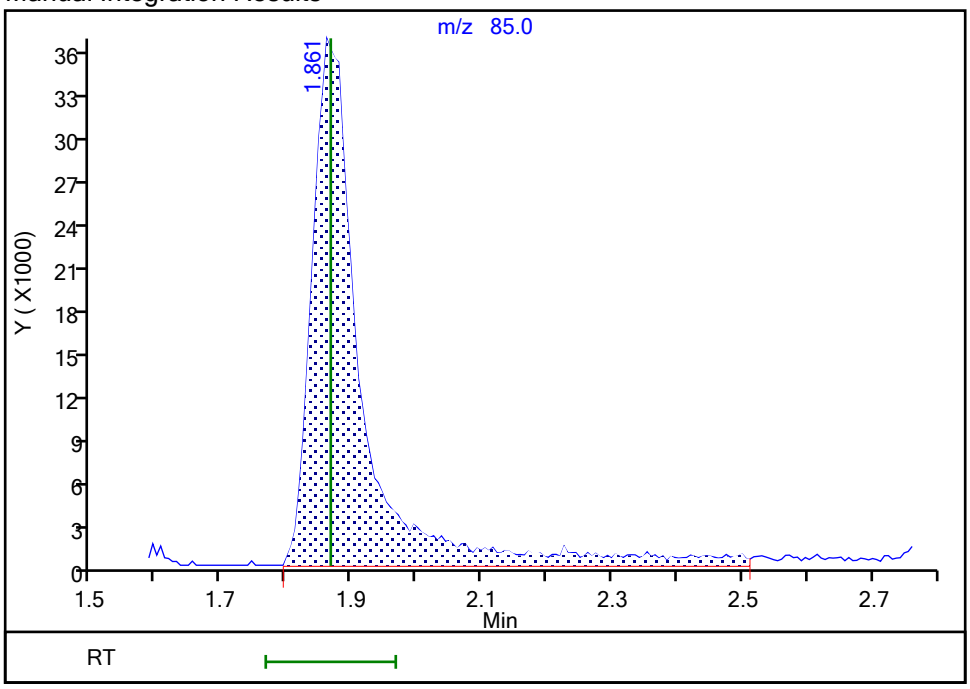
Processing Integration Results

RT: 1.86
Area: 187681
Amount: 14.584497
Amount Units: ug/l



Manual Integration Results

RT: 1.86
Area: 194685
Amount: 15.128771
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 11:08:43
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

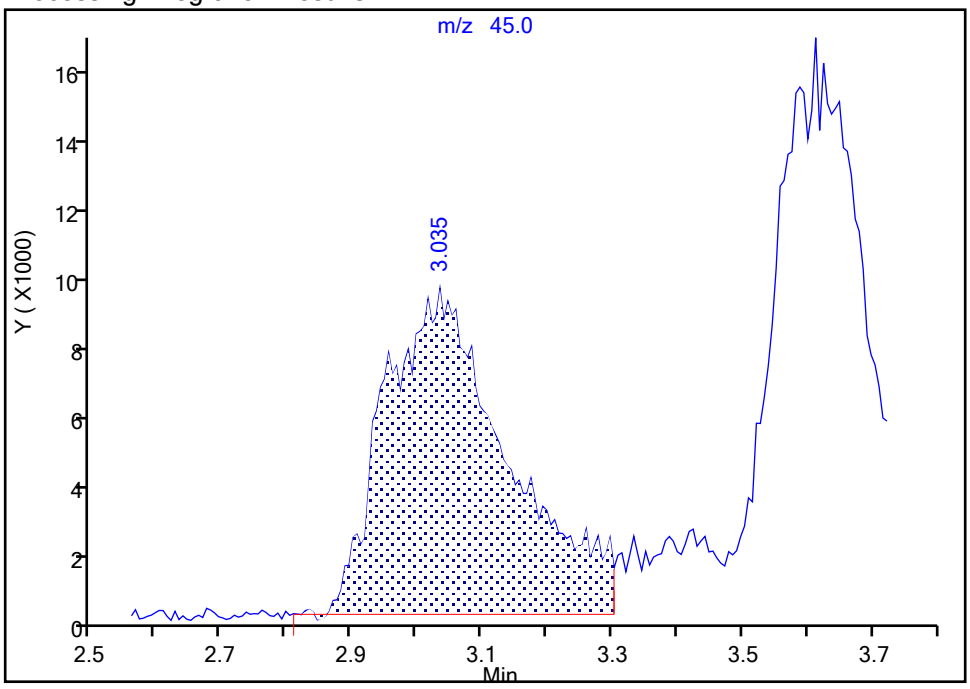
Data File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X20.D				
Injection Date:	05-Dec-2022 23:37:30	Instrument ID:	23297		
Lims ID:	ICV				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

13 Ethanol, CAS: 64-17-5

Signal: 1

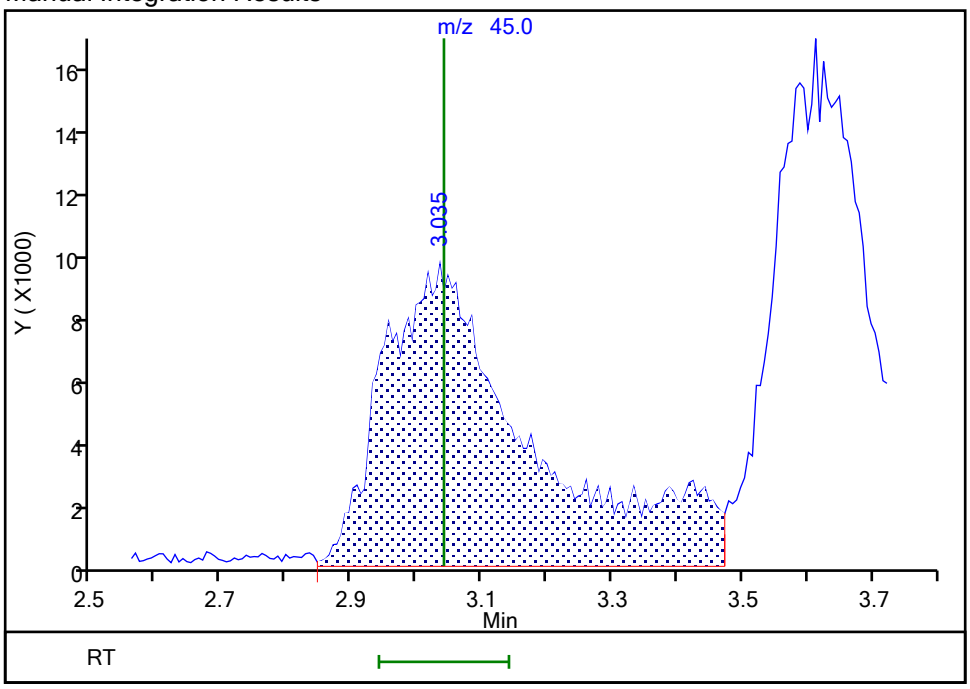
Processing Integration Results

RT: 3.04
Area: 116851
Amount: 788.5379
Amount Units: ug/l



Manual Integration Results

RT: 3.04
Area: 144673
Amount: 976.2872
Amount Units: ug/l



Reviewer: ULCP, 06-Dec-2022 11:09:47
Audit Action: Split an Integrated Peak Audit Reason: Baseline

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-380934/3 Calibration Date: 05/30/2023 10:15

Instrument ID: 23297 Calib Start Date: 12/05/2022 20:37

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/05/2022 22:52

Lab File ID: 4Y30X02.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	0.5011	0.4131	0.1000	124	150	-17.6	20.0
Chloromethane	Ave	0.4336	0.4347	0.1000	150	150	0.3	20.0
Vinyl chloride	Ave	0.4135	0.4274	0.1000	155	150	3.4	20.0
1,3-Butadiene	Ave	0.3771	0.4605		183	150	22.1*	20.0
Bromomethane	Ave	0.2949	0.3009	0.1000	153	150	2.0	20.0
Chloroethane	Ave	0.2162	0.2391	0.1000	166	150	10.6	20.0
Dichlorofluoromethane	Ave	0.5654	0.5308		141	150	-6.1	20.0
Trichlorofluoromethane	Ave	0.5279	0.5097	0.1000	145	150	-3.4	20.0
n-Pentane	Ave	0.3507	0.4184		179	150	19.3	20.0
Freon 123a	Ave	0.2962	0.3159		160	150	6.6	20.0
Acrolein	Ave	1.083	1.409		1950	1500	30.1*	20.0
1,1-Dichloroethene	Ave	0.2429	0.2543	0.1000	157	150	4.7	20.0
Acetone	Ave	0.5796	0.6752	0.1000	349	300	16.5	20.0
Freon 113	Ave	0.2662	0.2998	0.1000	169	150	12.6	20.0
2-Propanol	Ave	0.5968	0.6197		779	750	3.9	20.0
Methyl iodide	Ave	0.4614	0.5275		171	150	14.3	20.0
Carbon disulfide	Ave	0.7509	0.9016	0.1000	180	150	20.1*	20.0
Methyl acetate	Ave	0.2973	0.3164	0.1000	160	150	6.4	20.0
Allyl chloride	Ave	0.3142	0.3501		167	150	11.4	20.0
Methylene Chloride	Ave	0.2684	0.2866	0.1000	160	150	6.8	20.0
t-Butyl alcohol	Ave	1.005	0.9328		696	750	-7.2	20.0
Acrylonitrile	Ave	0.1688	0.1763		392	375	4.4	20.0
trans-1,2-Dichloroethene	Ave	0.2476	0.2594	0.1000	157	150	4.8	20.0
Methyl tertiary butyl ether	Ave	0.7695	0.8140	0.1000	159	150	5.8	20.0
n-Hexane	Ave	0.3189	0.3483		164	150	9.2	20.0
1,1-Dichloroethane	Ave	0.4013	0.4213	0.2000	157	150	5.0	20.0
di-Isopropyl ether	Ave	0.6854	0.7586		166	150	10.7	20.0
2-Chloro-1,3-butadiene	Ave	0.3356	0.3358		150	150	0.0	20.0
Ethyl t-butyl ether	Ave	0.7149	0.7232		152	150	1.2	20.0
2-Butanone	Ave	0.2288	0.2279	0.1000	299	300	-0.4	20.0
cis-1,2-Dichloroethene	Ave	0.2710	0.2802	0.1000	155	150	3.4	20.0
2,2-Dichloropropane	Ave	0.4191	0.3848		138	150	-8.2	20.0
Propionitrile	Ave	0.9161	1.065		872	750	16.2	20.0
Methacrylonitrile	Ave	0.1728	0.1721		373	375	-0.4	20.0
Bromochloromethane	Ave	0.1503	0.1559		156	150	3.7	20.0
Tetrahydrofuran	Ave	0.8914	0.9788		823	750	9.8	20.0
Chloroform	Ave	0.4348	0.4213	0.2000	145	150	-3.1	20.0
1,1,1-Trichloroethane	Ave	0.4223	0.4062	0.1000	144	150	-3.8	20.0
Cyclohexane	Ave	0.4354	0.4675	0.1000	161	150	7.4	20.0
1,1-Dichloropropene	Ave	0.3216	0.3219		150	150	0.1	20.0
Carbon tetrachloride	Ave	0.3655	0.3722	0.1000	153	150	1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-380934/3 Calibration Date: 05/30/2023 10:15

Instrument ID: 23297 Calib Start Date: 12/05/2022 20:37

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/05/2022 22:52

Lab File ID: 4Y30X02.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
Isobutyl alcohol	Ave	0.2865	0.3162		2070	1880	10.3	20.0
Benzene	Ave	0.9588	0.9824	0.5000	154	150	2.5	20.0
1,2-Dichloroethane	Ave	0.3528	0.3134	0.1000	133	150	-11.2	20.0
t-Amyl methyl ether	Ave	0.7246	0.7037		146	150	-2.9	20.0
n-Heptane	Ave	0.3274	0.3375		155	150	3.1	20.0
n-Butanol	Ave	0.2544	0.2819		2080	1880	10.8	20.0
Trichloroethene	Ave	0.2696	0.2630	0.2000	146	150	-2.4	20.0
Methylcyclohexane	Ave	0.4751	0.5264	0.1000	166	150	10.8	20.0
1,2-Dichloropropane	Ave	0.2484	0.2561	0.1000	155	150	3.1	20.0
t-Amyl ethyl ether	Ave	0.3447	0.3767		164	150	9.3	20.0
1,4-Dioxane	Ave	0.0671	0.0910	0.0050	2540	1880	35.7*	20.0
Methyl methacrylate	Ave	0.2628	0.2498		143	150	-5.0	20.0
Dibromomethane	Ave	0.1858	0.1794		145	150	-3.4	20.0
Bromodichloromethane	Ave	0.3376	0.3240	0.2000	144	150	-4.0	20.0
2-Nitropropane	Ave	1.620	1.447		670	750	-10.7	20.0
2-Chloroethyl vinyl ether	Ave	0.1939	0.1964		152	150	1.3	20.0
cis-1,3-Dichloropropene	Ave	0.4070	0.4016	0.2000	148	150	-1.3	20.0
4-Methyl-2-pentanone	Ave	0.4359	0.4248	0.1000	292	300	-2.6	20.0
Toluene	Ave	0.8034	0.8024	0.4000	150	150	-0.1	20.0
trans-1,3-Dichloropropene	Ave	0.4932	0.4800	0.1000	146	150	-2.7	20.0
Ethyl methacrylate	Ave	0.5454	0.5141		141	150	-5.7	20.0
1,1,2-Trichloroethane	Ave	0.3274	0.3216	0.1000	147	150	-1.8	20.0
Tetrachloroethene	Ave	0.3752	0.3839	0.2000	153	150	2.3	20.0
1,3-Dichloropropane	Ave	0.4972	0.4874		147	150	-2.0	20.0
2-Hexanone	Ave	0.4139	0.4042	0.1000	293	300	-2.3	20.0
Dibromochloromethane	Ave	0.3637	0.3787		156	150	4.1	20.0
1,2-Dibromoethane	Ave	0.3605	0.3517	0.1000	146	150	-2.5	20.0
1-Chlorohexane	Ave	0.4860	0.4535		140	150	-6.7	20.0
Chlorobenzene	Ave	0.9772	0.9444	0.5000	145	150	-3.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3646	0.3754		154	150	3.0	20.0
Ethylbenzene	Ave	1.619	1.527	0.1000	141	150	-5.7	20.0
m&p-Xylene	Ave	0.6457	0.6280	0.1000	292	300	-2.7	20.0
o-Xylene	Ave	0.6637	0.6534	0.3000	148	150	-1.6	20.0
Styrene	Ave	1.063	1.012	0.3000	143	150	-4.9	20.0
Bromoform	Ave	0.2943	0.3079	0.1000	157	150	4.6	20.0
Isopropylbenzene	Ave	1.735	1.699	0.1000	147	150	-2.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.058	0.9657	0.3000	137	150	-8.7	20.0
Bromobenzene	Ave	0.7589	0.7011		139	150	-7.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2968	0.2054		259	375	-30.8*	20.0
1,2,3-Trichloropropane	Ave	0.3155	0.2742		130	150	-13.1	20.0
N-Propylbenzene	Ave	3.469	3.091		134	150	-10.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-380934/3 Calibration Date: 05/30/2023 10:15

Instrument ID: 23297 Calib Start Date: 12/05/2022 20:37

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/05/2022 22:52

Lab File ID: 4Y30X02.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
2-Chlorotoluene	Ave	0.7565	0.6932		137	150	-8.4	20.0
1,3,5-Trimethylbenzene	Ave	2.622	2.434		139	150	-7.2	20.0
4-Chlorotoluene	Ave	0.7554	0.6849		136	150	-9.3	20.0
tert-Butylbenzene	Ave	0.5008	0.5237		157	150	4.6	20.0
1,2,4-Trimethylbenzene	Ave	2.733	2.467		135	150	-9.7	20.0
sec-Butylbenzene	Ave	3.297	3.161		144	150	-4.1	20.0
1,3-Dichlorobenzene	Ave	1.507	1.385	0.6000	138	150	-8.1	20.0
p-Isopropyltoluene	Ave	2.971	2.796		141	150	-5.9	20.0
1,4-Dichlorobenzene	Ave	1.467	1.343	0.5000	137	150	-8.5	20.0
1,2,3-Trimethylbenzene	Ave	2.786	2.617		141	150	-6.1	20.0
Benzyl chloride	Ave	2.039	1.930		142	150	-5.4	20.0
1,3-Diethylbenzene	Ave	1.793	1.704		143	150	-4.9	20.0
1,4-Diethylbenzene	Ave	1.891	1.748		139	150	-7.6	20.0
n-Butylbenzene	Ave	1.473	1.361		139	150	-7.6	20.0
1,2-Dichlorobenzene	Ave	1.565	1.411	0.4000	135	150	-9.8	20.0
1,2-Diethylbenzene	Ave	1.477	1.448		147	150	-2.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.3143	0.2617	0.0500	125	150	-16.7	20.0
1,3,5-Trichlorobenzene	Ave	1.204	1.139		142	150	-5.4	20.0
1,2,4-Trichlorobenzene	Ave	1.159	1.071	0.2000	139	150	-7.6	20.0
Hexachlorobutadiene	Ave	0.4301	0.4301		150	150	0.0	20.0
Naphthalene	Ave	4.004	3.579		134	150	-10.6	20.0
1,2,3-Trichlorobenzene	Ave	1.159	1.043		135	150	-10.0	20.0
2-Methylnaphthalene	Ave	2.414	1.983		123	150	-17.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2603	0.2642		50.7	50.0	1.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0594	0.0614		51.7	50.0	3.3	20.0
Toluene-d8 (Surr)	Ave	1.283	1.286		50.1	50.0	0.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4884	0.4762		48.7	50.0	-2.5	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X02.D
Lims ID: CCVIS NC
Client ID:
Sample Type: CCVIS
Inject. Date: 30-May-2023 10:15:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-003
Misc. Info.: CCVIS
Operator ID: lcp00895 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub50

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 10:38:17 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: ULCP Date: 30-May-2023 12:53:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	1574965	150.0	123.6	
4 Chloromethane	50	2.062	2.062	0.000	99	1657329	150.0	150.4	
5 Vinyl chloride	62	2.165	2.165	0.000	98	1629500	150.0	155.0	
6 Butadiene	39	2.184	2.184	0.000	91	1755954	150.0	183.2	
8 Bromomethane	94	2.500	2.500	0.000	90	1147252	150.0	153.1	
9 Chloroethane	64	2.573	2.573	0.000	100	911686	150.0	165.9	
10 Dichlorofluoromethane	67	2.804	2.804	0.000	97	2024113	150.0	140.8	
11 Trichlorofluoromethane	101	2.859	2.859	0.000	97	1943633	150.0	144.8	
13 Pentane	43	2.895	2.895	0.000	97	1595512	150.0	178.9	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.187	3.187	0.000	92	1204364	150.0	160.0	
16 Acrolein	56	3.242	3.242	0.000	100	3855252	1500.0	1951.8	
18 Acetone	58	3.400	3.400	0.000	100	369339	300.0	349.5	
17 1,1-Dichloroethene	96	3.394	3.394	0.000	96	969564	150.0	157.0	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.431	3.431	0.000	91	1143063	150.0	168.9	
21 Isopropyl alcohol	45	3.558	3.558	0.000	98	847554	750.0	778.9	
20 Iodomethane	142	3.595	3.595	0.000	97	2011192	150.0	171.5	
22 Carbon disulfide	76	3.680	3.680	0.000	99	3437639	150.0	180.1	
24 Methyl acetate	43	3.796	3.796	0.000	97	1206438	150.0	159.6	
26 3-Chloro-1-propene	41	3.832	3.832	0.000	93	1335026	150.0	167.2	
* 28 t-Butyl alcohol-d10 (IS)	65	4.015	4.015	0.000	99	455870	250.0	250.0	
27 Methylene Chloride	84	4.021	4.021	0.000	89	1092689	150.0	160.1	
29 2-Methyl-2-propanol	59	4.124	4.124	0.000	100	1275771	750.0	695.9	
30 Acrylonitrile	53	4.325	4.325	0.000	99	1680367	375.0	391.6	
32 trans-1,2-Dichloroethene	96	4.410	4.410	0.000	98	989246	150.0	157.1	
31 Methyl tert-butyl ether	73	4.435	4.435	0.000	94	3103789	150.0	158.7	
35 Hexane	57	4.842	4.842	0.000	91	1328138	150.0	163.8	
36 1,1-Dichloroethane	63	5.073	5.073	0.000	96	1606257	150.0	157.5	
37 Isopropyl ether	45	5.140	5.140	0.000	94	2892430	150.0	166.0	
38 2-Chloro-1,3-butadiene	53	5.189	5.189	0.000	88	1280290	150.0	150.1	
39 Tert-butyl ethyl ether	59	5.694	5.694	0.000	97	2757452	150.0	151.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 2-Butanone (MEK)	43	5.889	5.889	0.000	99	1737709	300.0	298.8	
43 cis-1,2-Dichloroethene	96	5.919	5.919	0.000	81	1068331	150.0	155.1	
40 2,2-Dichloropropane	77	5.949	5.949	0.000	86	1467418	150.0	137.8	
44 Propionitrile	54	5.968	5.968	0.000	99	1456121	750.0	871.7	
46 Methacrylonitrile	67	6.193	6.193	0.000	90	1640367	375.0	373.4	
47 Chlorobromomethane	128	6.254	6.254	0.000	89	594404	150.0	155.5	
48 Tetrahydrofuran	71	6.260	6.260	0.000	90	1338569	750.0	823.5	
49 Chloroform	83	6.406	6.406	0.000	92	1606477	150.0	145.4	
$ 50 Dibromofluoromethane (Surr)	113	6.625	6.625	0.000	94	335818	50.0	50.7	
51 1,1,1-Trichloroethane	97	6.643	6.643	0.000	98	1548914	150.0	144.3	
52 Cyclohexane	56	6.746	6.746	0.000	88	1782391	150.0	161.0	
54 1,1-Dichloropropene	75	6.850	6.850	0.000	96	1227533	150.0	150.2	
53 Carbon tetrachloride	117	6.856	6.856	0.000	86	1419212	150.0	152.7	
55 Isobutyl alcohol	41	7.014	7.014	0.000	95	1080930	1875.0	2068.7	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.075	7.075	0.000	82	78019	50.0	51.7	
57 Benzene	78	7.117	7.117	0.000	95	3745735	150.0	153.7	
58 1,2-Dichloroethane	62	7.184	7.184	0.000	97	1195177	150.0	133.3	
60 Tert-amyl methyl ether	73	7.318	7.318	0.000	98	2683243	150.0	145.7	
* 61 Fluorobenzene (IS)	96	7.525	7.525	0.000	96	1271002	50.0	50.0	
62 n-Heptane	43	7.543	7.543	0.000	91	1286972	150.0	154.6	
64 n-Butanol	56	7.902	7.902	0.000	91	963679	1875.0	2077.2	
65 Trichloroethene	95	8.012	8.012	0.000	96	1002916	150.0	146.4	
66 Methylcyclohexane	83	8.322	8.322	0.000	91	2007353	150.0	166.2	
67 1,2-Dichloropropane	63	8.340	8.340	0.000	97	976683	150.0	154.7	
68 2-ethoxy-2-methyl butane	87	8.358	8.358	0.000	94	1436530	150.0	163.9	
70 1,4-Dioxane	88	8.431	8.431	0.000	34	311202	1875.0	2544.0	M
69 Methyl methacrylate	69	8.431	8.431	0.000	90	952310	150.0	142.6	
71 Dibromomethane	93	8.450	8.450	0.000	96	684068	150.0	144.9	
73 Dichlorobromomethane	83	8.693	8.693	0.000	99	1235468	150.0	144.0	
74 2-Nitropropane	41	8.967	8.967	0.000	97	1979358	750.0	670.0	
75 2-Chloroethyl vinyl ether	63	9.064	9.064	0.000	91	748829	150.0	152.0	
76 cis-1,3-Dichloropropene	75	9.253	9.253	0.000	98	1531231	150.0	148.0	
77 4-Methyl-2-pentanone (MIBK)	43	9.435	9.435	0.000	95	3239261	300.0	292.3	
$ 78 Toluene-d8 (Surr)	98	9.575	9.575	0.000	93	1246675	50.0	50.1	
79 Toluene	92	9.654	9.654	0.000	99	2333014	150.0	149.8	
80 trans-1,3-Dichloropropene	75	9.916	9.916	0.000	90	1395532	150.0	146.0	
81 Ethyl methacrylate	69	9.983	9.983	0.000	88	1494617	150.0	141.4	
119 1,1,2-Trichloroethane	97	10.123	10.123	0.000	89	935024	150.0	147.3	
120 Tetrachloroethene	166	10.214	10.214	0.000	96	1116139	150.0	153.5	
121 1,3-Dichloropropane	76	10.293	10.293	0.000	88	1417056	150.0	147.0	
123 2-Hexanone	43	10.348	10.348	0.000	95	2350266	300.0	293.0	
125 Chlorodibromomethane	129	10.506	10.506	0.000	89	1100897	150.0	156.2	
126 Ethylene Dibromide	107	10.615	10.615	0.000	98	1022416	150.0	146.3	
* 127 Chlorobenzene-d5 (IS)	117	11.060	11.060	0.000	83	969141	50.0	50.0	
128 1-Chlorohexane	91	11.072	11.072	0.000	94	1318613	150.0	140.0	
129 Chlorobenzene	112	11.084	11.084	0.000	98	2745807	150.0	145.0	
130 1,1,1,2-Tetrachloroethane	131	11.169	11.169	0.000	98	1091522	150.0	154.4	
131 Ethylbenzene	91	11.175	11.175	0.000	97	4439056	150.0	141.5	
133 m-Xylene & p-Xylene	106	11.291	11.291	0.000	98	3651816	300.0	291.8	
134 o-Xylene	106	11.625	11.625	0.000	95	1899687	150.0	147.7	
135 Styrene	104	11.637	11.637	0.000	95	2940905	150.0	142.7	
136 Bromoform	173	11.796	11.796	0.000	98	895310	150.0	156.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 Isopropylbenzene	105	11.929	11.929	0.000	95	4938347	150.0	146.9	
$ 140 4-Bromofluorobenzene (Surr)	95	12.069	12.069	0.000	93	461509	50.0	48.7	
141 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	93	1710706	150.0	136.9	
142 Bromobenzene	156	12.191	12.191	0.000	95	1241932	150.0	138.6	
143 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	92	909673	375.0	259.5	
144 1,2,3-Trichloropropane	110	12.221	12.221	0.000	82	485743	150.0	130.4	
145 N-Propylbenzene	91	12.258	12.258	0.000	98	5476065	150.0	133.7	
146 2-Chlorotoluene	126	12.337	12.337	0.000	98	1227947	150.0	137.5	
147 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	4311991	150.0	139.2	
148 4-Chlorotoluene	126	12.428	12.428	0.000	96	1213183	150.0	136.0	
150 tert-Butylbenzene	134	12.641	12.641	0.000	91	927704	150.0	156.9	
152 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	96	4369794	150.0	135.4	
153 sec-Butylbenzene	105	12.806	12.806	0.000	94	5598815	150.0	143.8	
154 1,3-Dichlorobenzene	146	12.903	12.903	0.000	98	2453327	150.0	137.9	
155 4-Isopropyltoluene	119	12.915	12.915	0.000	97	4952303	150.0	141.2	
* 157 1,4-Dichlorobenzene-d4	152	12.958	12.958	0.000	93	590472	50.0	50.0	
158 1,4-Dichlorobenzene	146	12.976	12.976	0.000	95	2379262	150.0	137.3	
159 1,2,3-Trimethylbenzene	105	12.988	12.988	0.000	97	4635699	150.0	140.9	
156 Benzyl chloride	91	13.055	13.055	0.000	98	3419336	150.0	142.0	
160 1,3-Diethylbenzene	119	13.116	13.116	0.000	95	3019030	150.0	142.6	
161 p-Diethylbenzene	119	13.189	13.189	0.000	94	3096352	150.0	138.6	
162 n-Butylbenzene	92	13.207	13.207	0.000	94	2411673	150.0	138.6	
163 1,2-Dichlorobenzene	146	13.237	13.237	0.000	99	2500050	150.0	135.3	
164 o-diethylbenzene	119	13.262	13.262	0.000	93	2565027	150.0	147.0	
166 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	91	463587	150.0	124.9	
167 1,3,5-Trichlorobenzene	180	13.907	13.907	0.000	98	2017603	150.0	141.9	
168 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	94	1896384	150.0	138.5	
169 Hexachlorobutadiene	225	14.418	14.418	0.000	98	761961	150.0	150.0	
170 Naphthalene	128	14.515	14.515	0.000	97	6340763	150.0	134.1	
171 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	97	1848284	150.0	135.0	
172 2-Methylnaphthalene	142	15.269	15.269	0.000	92	3513218	150.0	123.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00127	Amount Added: 15.00	Units: uL	
MSV_CCV_VOC#3_00127	Amount Added: 12.00	Units: uL	
MSV_CCV_GASES_00486	Amount Added: 7.50	Units: uL	
MSV_CCV_2CEVE_00122	Amount Added: 15.00	Units: uL	
MSV_HP23_ISSS_00010	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 31-May-2023 10:38:18 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X02.D

Injection Date: 30-May-2023 10:15:30 Instrument ID: 23297 Operator ID: lcp00895

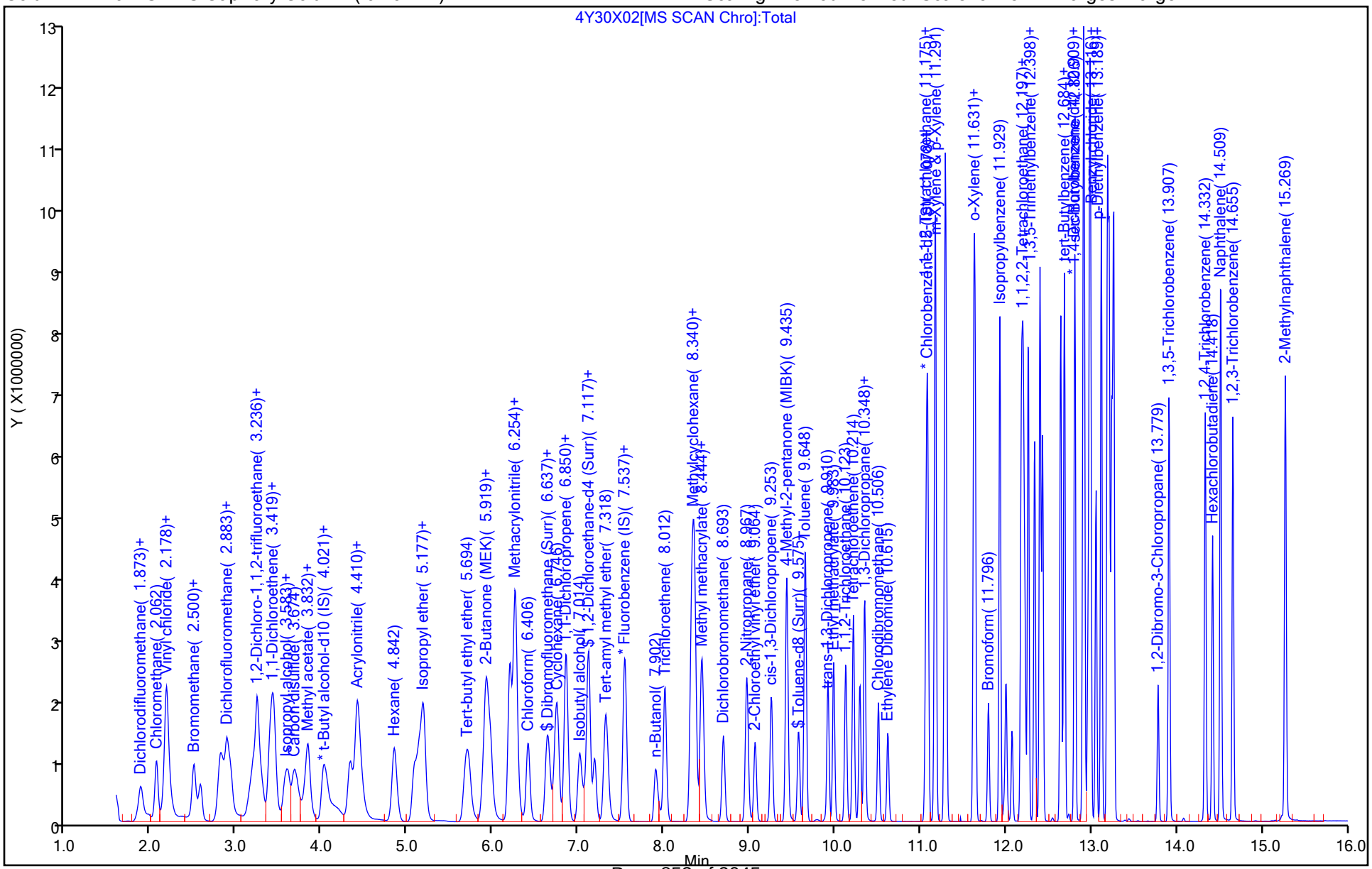
Lims ID: CCVIS NC Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

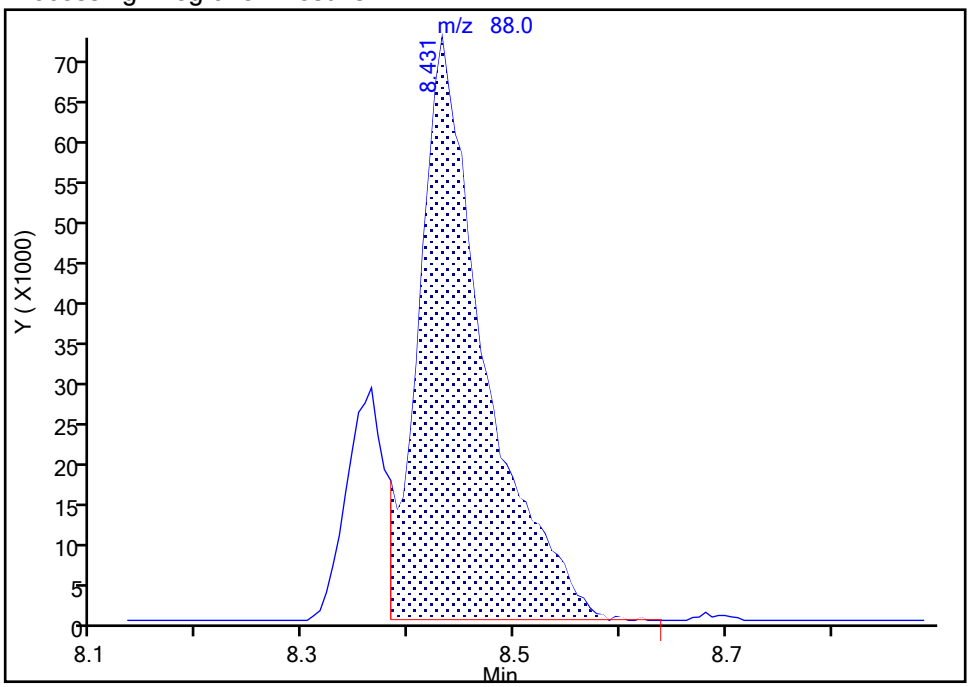
Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X02.D
Injection Date: 30-May-2023 10:15:30 Instrument ID: 23297
Lims ID: CCVIS NC
Client ID:
Operator ID: lcp00895 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

70 1,4-Dioxane, CAS: 123-91-1

Signal: 1

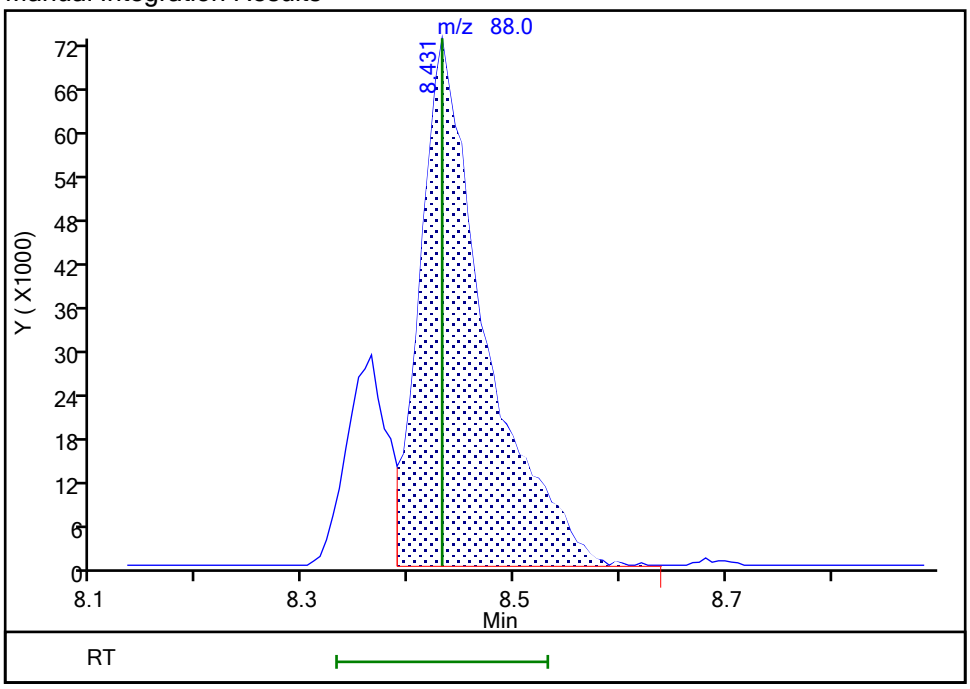
Processing Integration Results

RT: 8.43
Area: 317579
Amount: 2596.1698
Amount Units: ug/l



Manual Integration Results

RT: 8.43
Area: 311202
Amount: 2544.0386
Amount Units: ug/l



Reviewer: ULCP, 30-May-2023 12:53:25 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05T03.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 05-Dec-2022 16:26:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0072549-001
Misc. Info.: BFB
Operator ID: Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 06-Dec-2022 11:50:34 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1631

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 32 BFB	95	4.685	4.685	0.000	0	214871	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

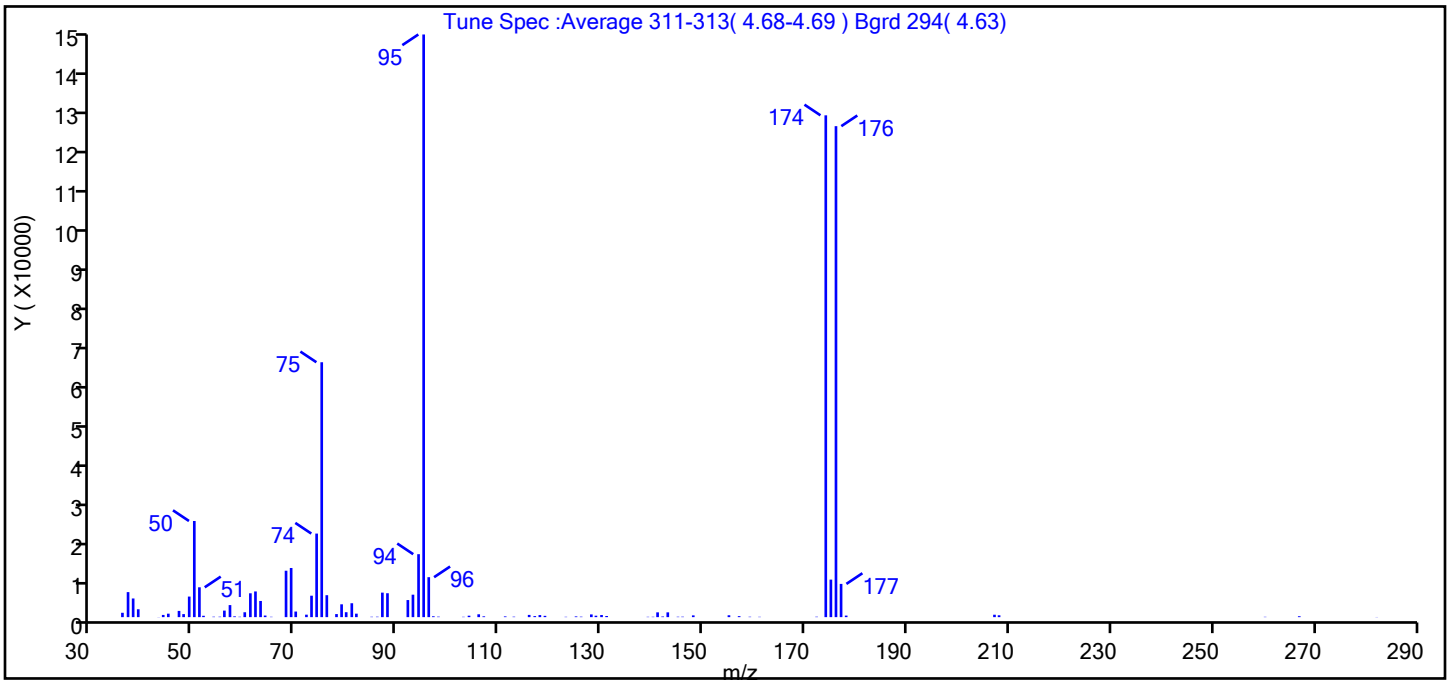
MSV_V_BFB_00008 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05T03.D
Injection Date: 05-Dec-2022 16:26:30 Instrument ID: 23297
Lims ID: bfb
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 32 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.5
75	30 to 60% of m/z 95	43.7
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	86.1
175	5 to 9% of m/z 174	6.4 (7.5)
176	Greater than 95% but less than 101% of m/z 174	84.3 (97.8)
177	5 to 9% of m/z 176	5.7 (6.8)

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05T03.D\MSVoa_23297.rslt\spectra.d
Injection Date: 05-Dec-2022 16:26:30
Spectrum: Tune Spec :Average 311-313(4.68-4.69) Bgrd 294(4.63)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 89

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1116	64.00	409	96.00	10211	142.00	164
37.00	6396	65.00	90	97.00	217	143.00	1224
38.00	4771	68.00	11863	98.00	127	145.00	106
39.00	2014	69.00	12563	103.00	86	146.00	114
43.00	35	70.00	1431	104.00	372	148.00	451
44.00	566	72.00	633	106.00	728	155.00	480
45.00	885	73.00	5480	107.00	207	157.00	255
47.00	1594	74.00	21360	111.00	188	159.00	105
48.00	778	75.00	65152	113.00	118	161.00	87
49.00	5259	76.00	5610	116.00	573	172.00	109
50.00	24576	78.00	784	117.00	269	174.00	128264
51.00	7630	79.00	3280	118.00	527	175.00	9592
52.00	349	80.00	1261	119.00	335	176.00	125496
54.00	112	81.00	3554	123.00	87	177.00	8497
55.00	113	82.00	887	125.00	189	178.00	398
56.00	1673	85.00	98	126.00	121	207.00	618
57.00	3079	86.00	112	128.00	695	208.00	476
58.00	201	87.00	6266	129.00	367	260.00	83
59.00	99	88.00	6112	130.00	540	267.00	229
60.00	1251	92.00	4368	131.00	291	282.00	39
61.00	6099	93.00	5742	139.00	86		
62.00	6568	94.00	16091	140.00	96		
63.00	4134	95.00	148928	141.00	1224		

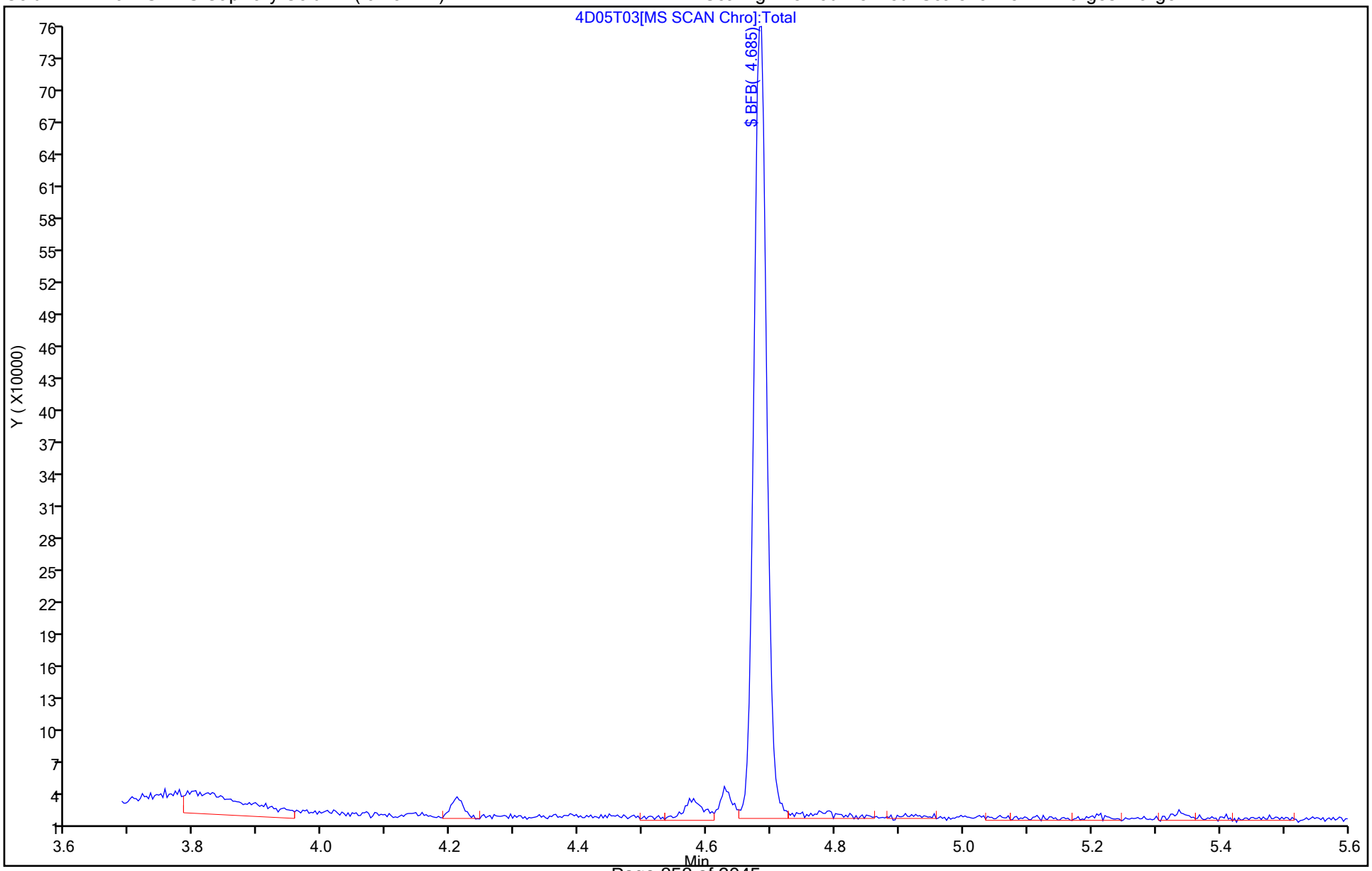
Report Date: 06-Dec-2022 11:50:34 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05T03.D

Injection Date:	05-Dec-2022 16:26:30	Instrument ID:	23297	Operator ID:	
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30T02.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 30-May-2023 09:14:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0085281-001
Misc. Info.: BFB
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 30-May-2023 12:38:24 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1632

First Level Reviewer: ULCP Date: 30-May-2023 09:29:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 33 BFB	95	4.682	4.682	0.000	0	280686	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

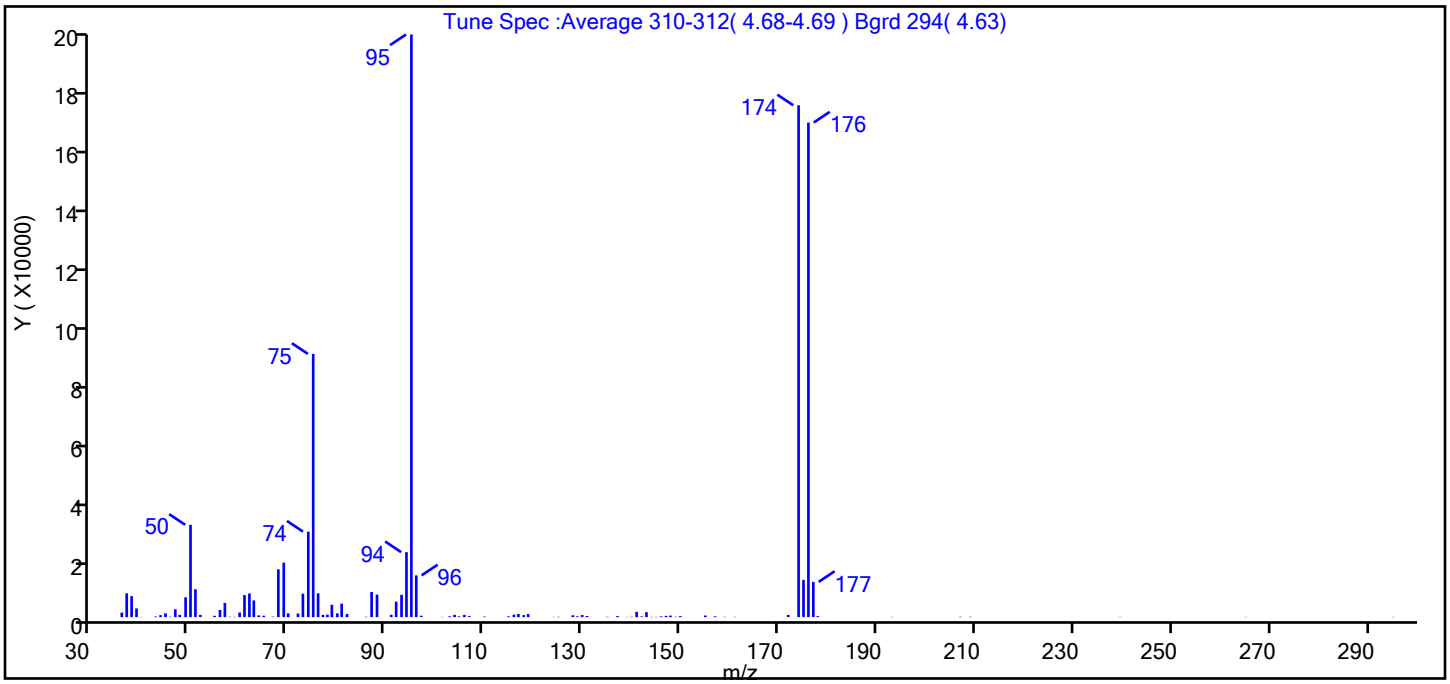
MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30T02.D
Injection Date: 30-May-2023 09:14:30 Instrument ID: 23297
Lims ID: BFB
Client ID:
Operator ID: lcp00895 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 33 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.8
75	30 to 60% of m/z 95	45.2
96	5 to 9% of m/z 95	7.2
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	87.8
175	5 to 9% of m/z 174	6.4 (7.3)
176	Greater than 95% but less than 101% of m/z 174	84.9 (96.6)
177	5 to 9% of m/z 176	6.0 (7.1)

Report Date: 30-May-2023 12:38:24 Chrom Revision: 2.3 23-May-2023 13:55:56

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30T02.D\MSVoa_23297.rslt\spectra.d
Injection Date: 30-May-2023 09:14:30
Spectrum: Tune Spec :Average 310-312(4.68-4.69) Bgrd 294(4.63)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1533	65.00	467	97.00	477	143.00	1666
37.00	7952	67.00	156	101.00	91	144.00	86
38.00	7024	68.00	15998	103.00	276	145.00	89
39.00	2924	69.00	18224	104.00	758	146.00	257
40.00	69	70.00	1248	105.00	266	147.00	429
43.00	216	72.00	1219	106.00	758	148.00	516
44.00	665	73.00	7825	107.00	345	149.00	117
45.00	1279	74.00	28592	110.00	198	150.00	332
46.00	142	75.00	88016	115.00	288	155.00	545
47.00	2609	76.00	7975	116.00	838	157.00	290
48.00	749	77.00	748	117.00	1058	159.00	112
49.00	6645	78.00	859	118.00	672	161.00	101
50.00	30872	79.00	4134	119.00	1034	172.00	726
51.00	9329	80.00	1253	124.00	84	174.00	171136
52.00	753	81.00	4521	125.00	117	175.00	12458
55.00	439	82.00	1098	128.00	623	176.00	165376
56.00	2373	86.00	133	129.00	280	177.00	11785
57.00	4743	87.00	8408	130.00	713	178.00	342
58.00	136	88.00	7524	131.00	401	193.00	91
59.00	99	91.00	781	135.00	133	207.00	137
60.00	1545	92.00	5164	137.00	361	209.00	132
61.00	7378	93.00	7480	139.00	88	240.00	89
62.00	7911	94.00	21736	140.00	125	265.00	90
63.00	5591	95.00	194816	141.00	1773	295.00	91
64.00	590	96.00	13961	142.00	241		

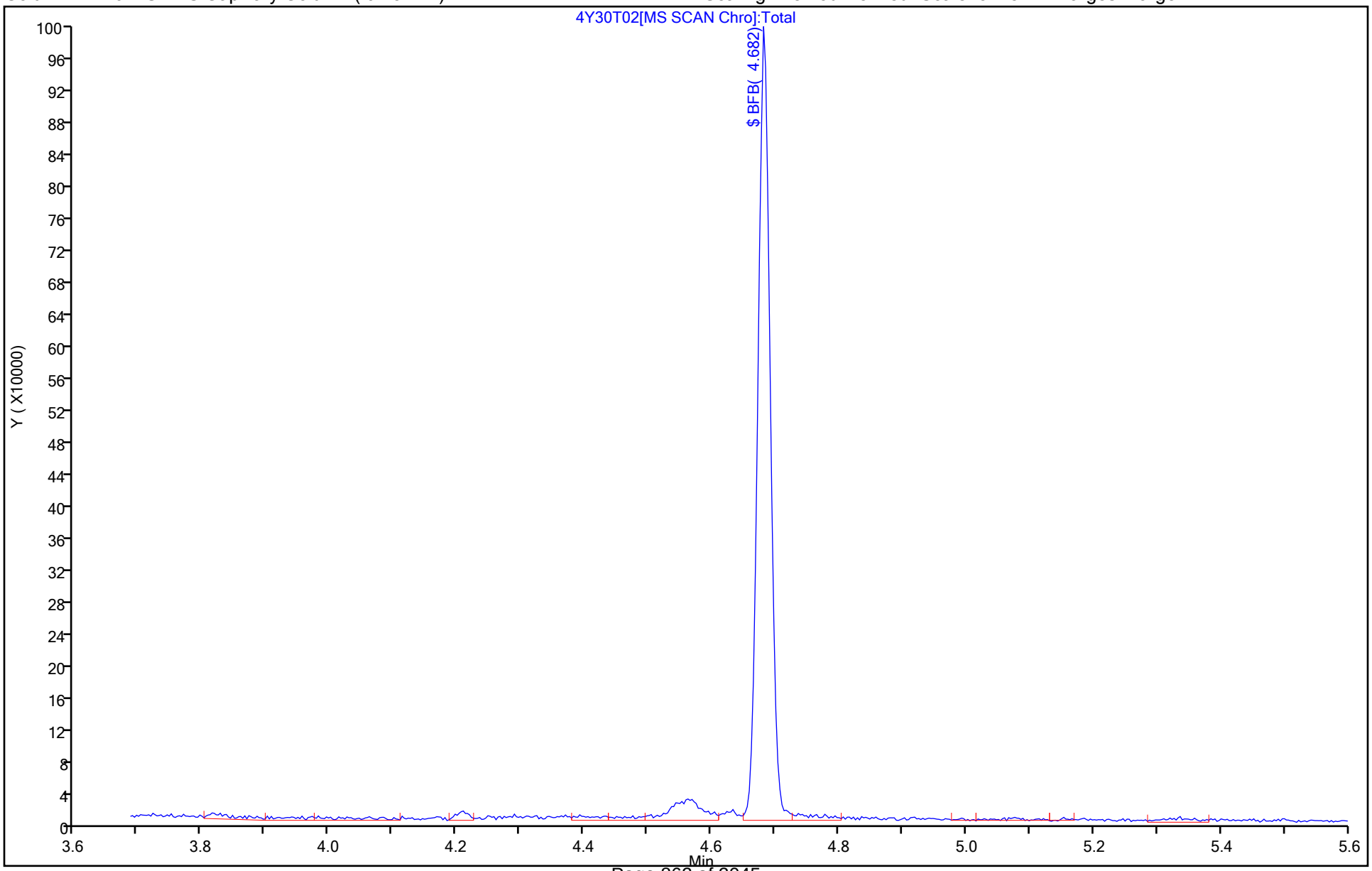
Report Date: 30-May-2023 12:38:25 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30T02.D

Injection Date:	30-May-2023 09:14:30	Instrument ID:	23297	Operator ID:	lcp00895
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-380934/7

Matrix: Water Lab File ID: 4Y30X06.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 11:44

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.: 380934 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.: 410-127407-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-380934/7

Matrix: Water Lab File ID: 4Y30X06.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 11:44

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.: 380934 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)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 30-May-2023 11:44:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-007
Misc. Info.: MB
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 10:38:17 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: ULCP Date: 30-May-2023 12:37:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.843					ND	
2 Dichlorodifluoromethane	85		1.873					ND	
3 Chlorodifluoromethane	51		1.922					ND	U
4 Chloromethane	50		2.062					ND	7
5 Vinyl chloride	62		2.165					ND	
6 Butadiene	39		2.184					ND	7
7 2-Chloro-1,1,1-Trifluoroethane	118		2.262					ND	
8 Bromomethane	94		2.500					ND	U
9 Chloroethane	64		2.573					ND	
10 Dichlorofluoromethane	67		2.804					ND	
11 Trichlorofluoromethane	101		2.859					ND	
13 Pentane	43		2.895					ND	7
12 Ethanol	45		2.950					ND	
14 Ethyl ether	59		3.090					ND	
15 1,2-Dichloro-1,1,2-trifluoroetha	67		3.187					ND	
16 Acrolein	56		3.242					ND	
17 1,1-Dichloroethene	96		3.394					ND	
18 Acetone	58		3.400					ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.431					ND	
21 Isopropyl alcohol	45		3.558					ND	
20 Iodomethane	142		3.595					ND	
22 Carbon disulfide	76		3.680					ND	
23 Acetonitrile	41		3.759					ND	
24 Methyl acetate	43		3.796					ND	7
26 3-Chloro-1-propene	41		3.832					ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.039	4.015	0.024	23	460638	250.0	250.0	
27 Methylene Chloride	84		4.021					ND	
29 2-Methyl-2-propanol	59		4.124					ND	
30 Acrylonitrile	53		4.325					ND	
32 trans-1,2-Dichloroethene	96		4.410					ND	
31 Methyl tert-butyl ether	73		4.435					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Hexane	57		4.842					ND	
34 Vinyl acetate	43		5.073					ND	
36 1,1-Dichloroethane	63		5.073					ND	
37 Isopropyl ether	45		5.140					ND	
38 2-Chloro-1,3-butadiene	53		5.189					ND	
39 Tert-butyl ethyl ether	59		5.694					ND	
42 2-Butanone (MEK)	43		5.889					ND	7
43 cis-1,2-Dichloroethene	96		5.919					ND	
40 2,2-Dichloropropane	77		5.949					ND	
41 Ethyl acetate	43		5.961					ND	
44 Propionitrile	54		5.968					ND	
S 45 1,2-Dichloroethene, Total	100		6.155					ND	7
46 Methacrylonitrile	67		6.193					ND	
47 Chlorobromomethane	128		6.254					ND	
48 Tetrahydrofuran	71		6.260					ND	
49 Chloroform	83		6.406					ND	
$ 50 Dibromofluoromethane (Surr)	113	6.625	6.625	0.000	94	321089	50.0	51.0	
51 1,1,1-Trichloroethane	97		6.643					ND	
52 Cyclohexane	56		6.746					ND	
54 1,1-Dichloropropene	75		6.850					ND	
53 Carbon tetrachloride	117		6.856					ND	
55 Isobutyl alcohol	41		7.014					ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.081	7.075	0.006	77	75447	50.0	52.5	
57 Benzene	78		7.117					ND	
58 1,2-Dichloroethane	62		7.184					ND	7
59 Isopropyl acetate	43		7.202					ND	7
60 Tert-amyl methyl ether	73		7.318					ND	
* 61 Fluorobenzene (IS)	96	7.525	7.525	0.000	99	1209267	50.0	50.0	
62 n-Heptane	43		7.543					ND	7
63 t-Amyl alcohol	73		7.829					ND	
64 n-Butanol	56		7.902					ND	
65 Trichloroethene	95		8.012					ND	
66 Methylcyclohexane	83		8.322					ND	
67 1,2-Dichloropropane	63		8.340					ND	
68 2-ethoxy-2-methyl butane	87		8.358					ND	
70 1,4-Dioxane	88		8.431					ND	
69 Methyl methacrylate	69		8.431					ND	
71 Dibromomethane	93		8.450					ND	
72 n-Propyl acetate	61		8.516					ND	
73 Dichlorobromomethane	83		8.693					ND	
74 2-Nitropropane	41		8.967					ND	
75 2-Chloroethyl vinyl ether	63		9.064					ND	
76 cis-1,3-Dichloropropene	75		9.253					ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.435					ND	7
$ 78 Toluene-d8 (Surr)	98	9.575	9.575	0.000	93	1158896	50.0	49.0	
79 Toluene	92		9.654					ND	
80 trans-1,3-Dichloropropene	75		9.916					ND	
81 Ethyl methacrylate	69		9.983					ND	
S 118 1,3-Dichloropropene, Total	100		10.060					ND	7
119 1,1,2-Trichloroethane	97		10.123					ND	
120 Tetrachloroethene	166		10.214					ND	
121 1,3-Dichloropropane	76		10.293					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
122 3,4-Dichloro-1-butene	75		10.335					ND	
123 2-Hexanone	43		10.348					ND	
124 n-Butyl acetate	43		10.475					ND	
125 Chlorodibromomethane	129		10.506					ND	
126 Ethylene Dibromide	107		10.615					ND	
* 127 Chlorobenzene-d5 (IS)	117	11.059	11.060	-0.001	83	920943	50.0	50.0	
128 1-Chlorohexane	91		11.072					ND	U
129 Chlorobenzene	112		11.084					ND	
130 1,1,1,2-Tetrachloroethane	131		11.169					ND	
131 Ethylbenzene	91		11.175					ND	
S 132 Xylenes, Total	106		11.245					ND	7
133 m-Xylene & p-Xylene	106		11.291					ND	
134 o-Xylene	106		11.625					ND	
135 Styrene	104		11.637					ND	
136 Bromoform	173		11.796					ND	
137 Isopropylbenzene	105		11.929					ND	
138 cis-1,4-Dichloro-2-butene	88		11.978					ND	
139 Cyclohexanone	55		12.002					ND	7
$ 140 4-Bromofluorobenzene (Surr)	95	12.069	12.069	0.000	93	452255	50.0	50.3	
141 1,1,2,2-Tetrachloroethane	83		12.179					ND	
142 Bromobenzene	156		12.191					ND	
143 trans-1,4-Dichloro-2-butene	53		12.203					ND	
144 1,2,3-Trichloropropane	110		12.221					ND	
145 N-Propylbenzene	91		12.258					ND	
146 2-Chlorotoluene	126		12.337					ND	
147 1,3,5-Trimethylbenzene	105		12.398					ND	
148 4-Chlorotoluene	126		12.428					ND	
149 2,3,4-Trichlorobutene	109		12.452					ND	
150 tert-Butylbenzene	134		12.641					ND	
151 Pentachloroethane	167		12.672					ND	
152 1,2,4-Trimethylbenzene	105		12.684					ND	7
153 sec-Butylbenzene	105		12.806					ND	7
154 1,3-Dichlorobenzene	146		12.903					ND	7
155 4-Isopropyltoluene	119		12.915					ND	7
* 157 1,4-Dichlorobenzene-d4	152	12.958	12.958	0.000	93	574576	50.0	50.0	
158 1,4-Dichlorobenzene	146		12.976					ND	7
159 1,2,3-Trimethylbenzene	105		12.988					ND	
156 Benzyl chloride	91		13.055					ND	
160 1,3-Diethylbenzene	119		13.116					ND	7
161 p-Diethylbenzene	119		13.189					ND	7
162 n-Butylbenzene	92		13.207					ND	7
163 1,2-Dichlorobenzene	146		13.237					ND	7
164 o-diethylbenzene	119		13.262					ND	7
165 Hexachloroethane	201		13.639					ND	
166 1,2-Dibromo-3-Chloropropane	75		13.779					ND	
167 1,3,5-Trichlorobenzene	180	13.919	13.907	0.012	92	1459		0.1054	
168 1,2,4-Trichlorobenzene	180	14.339	14.332	0.006	87	2282		0.1713	
169 Hexachlorobutadiene	225		14.418					ND	7
170 Naphthalene	128		14.515					ND	7
171 1,2,3-Trichlorobenzene	180	14.661	14.655	0.006	91	3139		0.2356	
172 2-Methylnaphthalene	142		15.269					ND	7
173 C4-C10	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 174 Total Diethylbenzene	1		0.000					ND	7
175 C6-C12	1		0.000					ND	
176 1-Bromo-2-chloroethane	1		0.000					ND	
177 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
178 1-Chlorobutane	1		0.000					ND	
179 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
180 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
181 Butane	1		0.000					ND	
182 C6-C10	1		0.000					ND	
183 Methyl acrylate	1		0.000					ND	
184 1,3-Divinylbenzene	1		0.000					ND	
185 Dodecane	57		0.000					ND	
186 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
187 tert-Butyl Formate	1		0.000					ND	
188 Methylal	1		0.000					ND	
189 3-chloro-1-Butene	1		0.000					ND	
190 Propene oxide	1		0.000					ND	
S 191 Total BTEX	1		0.000					ND	
192 C5-C12	1		0.000					ND	
193 Chloroacetonitrile	1		0.000					ND	
194 Ethyl acrylate	55		0.000					ND	
195 Ethyl bromide	1		0.000					ND	
S 196 divinyl benzene	1		0.000					ND	7
197 sec-Butyl Alcohol	45		0.000					ND	
198 n-Nonane	1		0.000					ND	
199 n-Octane	1		0.000					ND	
200 Diethoxymethane	1		0.000					ND	
201 Undecane	1		0.000					ND	
202 Propanol	1		0.000					ND	
203 Isobutyl acetate	43		0.000					ND	
204 C4-C12	1		0.000					ND	
205 4-Ethyltoluene	1		0.000					ND	
206 n-Decane	57		0.000					ND	
207 1,4-Divinylbenzene	1		0.000					ND	
208 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
209 3-Methyl-1-butene	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP23_ISSS_00010 Amount Added: 1.00 Units: uL Run Reagent

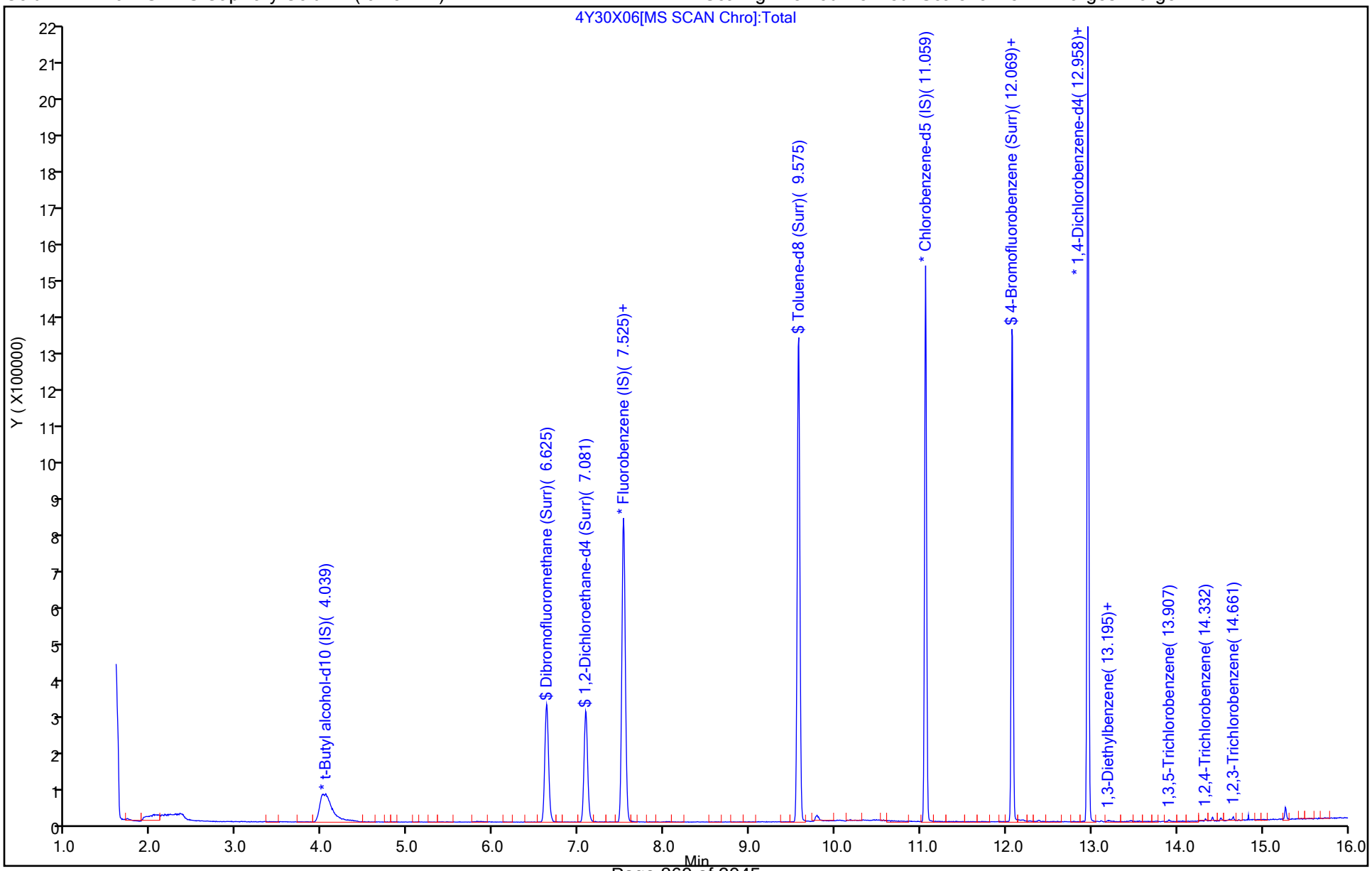
Report Date: 31-May-2023 10:43:37 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X06.D

Injection Date:	30-May-2023 11:44:30	Instrument ID:	23297	Operator ID:	lcp00895
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X06.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	30-May-2023 11:44:30	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0085281-007				
Misc. Info.:	MB				
Operator ID:	lcp00895	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	31-May-2023 10:38:17	Calib Date:	05-Dec-2022 22:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1637				

First Level Reviewer: ULCP Date: 30-May-2023 12:37:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	51.0	101.99
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	52.5	105.00
$ 78 Toluene-d8 (Surr)	50.0	49.0	98.10
$ 140 4-Bromofluorobenzene (Surr)	50.0	50.3	100.54

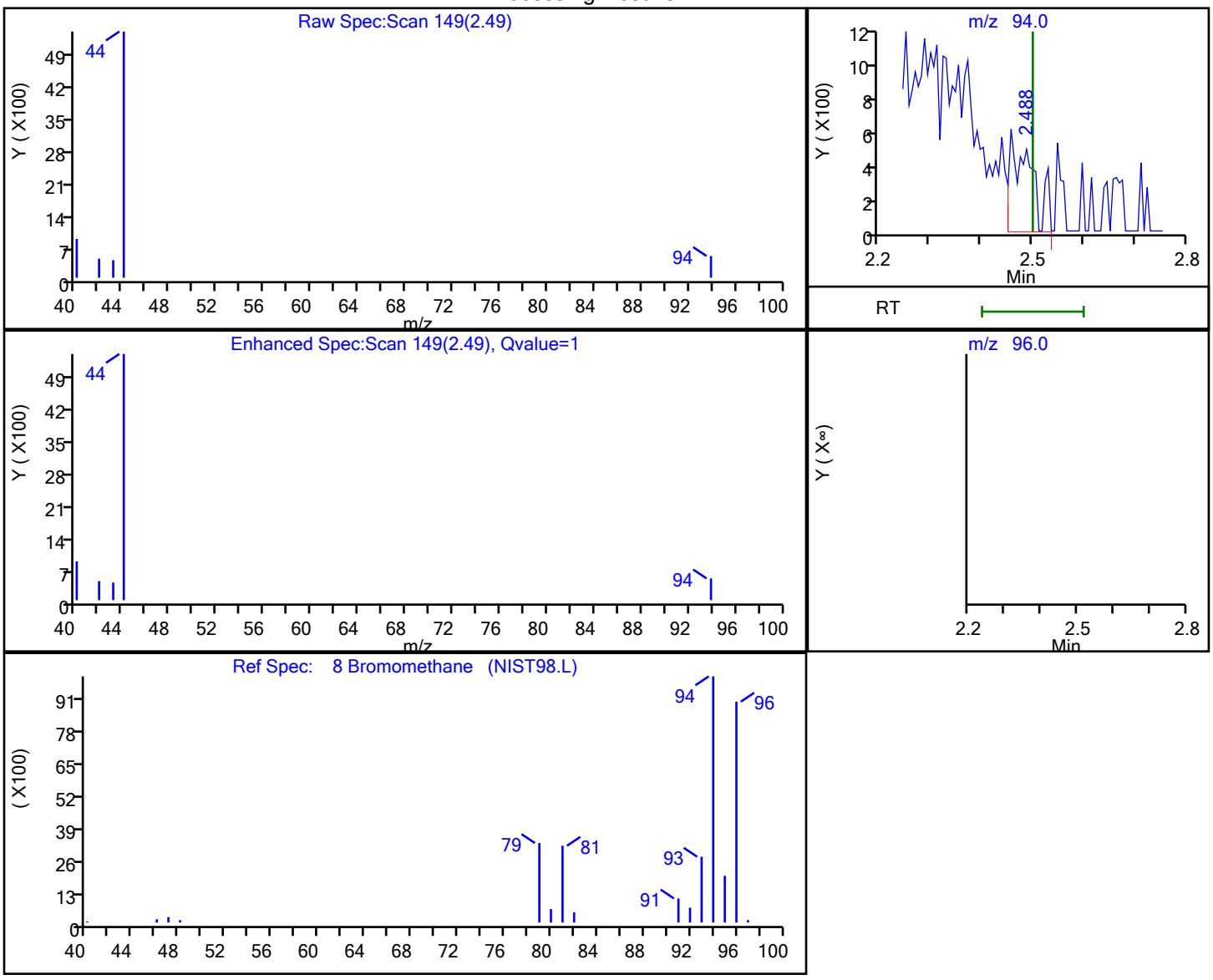
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X06.D				
Injection Date:	30-May-2023 11:44:30	Instrument ID:	23297		
Lims ID:	MB				
Client ID:					
Operator ID:	lcp00895	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

8 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.49	94.00	1675	0.234883
2.50	96.00	0	

Reviewer: ULCP, 30-May-2023 12:35:20 -04:00:00 (UTC)

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-380934/4

Matrix: Water Lab File ID: 4Y30X03.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 10:37

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.: 380934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.7		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.8		1.0	0.30
79-00-5	1,1,2-Trichloroethane	20.2		1.0	0.30
75-34-3	1,1-Dichloroethane	21.0		1.0	0.30
75-35-4	1,1-Dichloroethene	20.3		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	21.3		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	19.0		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		5.0	0.30
106-93-4	1,2-Dibromoethane	19.9		1.0	0.20
95-50-1	1,2-Dichlorobenzene	19.3		5.0	0.20
107-06-2	1,2-Dichloroethane	18.0		1.0	0.30
78-87-5	1,2-Dichloropropane	21.0		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	19.0		5.0	0.30
541-73-1	1,3-Dichlorobenzene	19.6		5.0	0.68
106-46-7	1,4-Dichlorobenzene	20.4		5.0	0.30
78-93-3	2-Butanone	255		10	0.50
591-78-6	2-Hexanone	267		10	0.85
108-10-1	4-Methyl-2-pentanone	260		10	0.50
67-64-1	Acetone	261		20	0.70
71-43-2	Benzene	21.5		1.0	0.30
75-27-4	Bromodichloromethane	19.3		1.0	0.20
75-25-2	Bromoform	19.8		4.0	1.0
74-83-9	Bromomethane	18.9		1.0	0.30
75-15-0	Carbon disulfide	22.6		5.0	0.30
56-23-5	Carbon tetrachloride	19.2		1.0	0.30
108-90-7	Chlorobenzene	19.9		1.0	0.30
75-00-3	Chloroethane	19.4		1.0	0.20
67-66-3	Chloroform	19.6		1.0	0.30
74-87-3	Chloromethane	17.5		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	21.6		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.8		1.0	0.20
110-82-7	Cyclohexane	20.2		5.0	1.0
124-48-1	Dibromochloromethane	20.4		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-380934/4

Matrix: Water Lab File ID: 4Y30X03.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 10:37

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.: 380934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	13.0		1.0	0.20
100-41-4	Ethylbenzene	19.9		1.0	0.40
76-13-1	Freon 113	20.1		10	0.30
98-82-8	Isopropylbenzene	20.5		5.0	0.20
79-20-9	Methyl acetate	24.1		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	20.6		1.0	0.20
108-87-2	Methylcyclohexane	19.8		5.0	0.50
75-09-2	Methylene Chloride	21.5		1.0	0.30
100-42-5	Styrene	19.8		5.0	0.30
127-18-4	Tetrachloroethene	19.9		1.0	0.30
108-88-3	Toluene	20.6		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	21.0		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	19.1		1.0	0.20
79-01-6	Trichloroethene	19.6		1.0	0.30
75-69-4	Trichlorofluoromethane	14.9		1.0	0.20
75-01-4	Vinyl chloride	17.8		1.0	0.20
1330-20-7	Xylenes, Total	61.1		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)	100		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\23297\20230530-85281.b\4Y30X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 30-May-2023 10:37:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-004
Misc. Info.: LCS
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 10:38:17 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: ULCP Date: 30-May-2023 11:23:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.885	1.873	0.012	99	165640	20.0	13.0	
4 Chloromethane	50	2.062	2.062	0.000	99	192021	20.0	17.5	
5 Vinyl chloride	62	2.171	2.165	0.006	82	186556	20.0	17.8	
6 Butadiene	39	2.184	2.184	0.000	93	292878	20.0	30.6	
8 Bromomethane	94	2.500	2.500	0.000	90	141251	20.0	18.9	
9 Chloroethane	64	2.579	2.573	0.006	100	106354	20.0	19.4	
10 Dichlorofluoromethane	67	2.810	2.804	0.006	97	254184	20.0	17.7	
11 Trichlorofluoromethane	101	2.853	2.859	-0.006	98	199856	20.0	14.9	
13 Pentane	43	2.895	2.895	0.000	97	204371	20.0	23.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.193	3.187	0.006	95	151698	20.0	20.2	
16 Acrolein	56	3.254	3.242	0.012	100	359240	150.0	166.6	
17 1,1-Dichloroethene	96	3.394	3.394	0.000	94	124802	20.0	20.3	
18 Acetone	58	3.412	3.400	0.012	100	300677	250.0	260.6	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.431	3.431	0.000	91	135346	20.0	20.1	
21 Isopropyl alcohol	45	3.583	3.558	0.025	50	183083	150.0	154.1	
20 Iodomethane	142	3.589	3.595	-0.006	97	249050	20.0	21.3	
22 Carbon disulfide	76	3.686	3.680	0.006	99	430758	20.0	22.6	
24 Methyl acetate	43	3.808	3.796	0.012	97	181367	20.0	24.1	
26 3-Chloro-1-propene	41	3.832	3.832	0.000	92	171270	20.0	21.5	
* 28 t-Butyl alcohol-d10 (IS)	65	4.027	4.015	0.012	96	497617	250.0	250.0	
27 Methylene Chloride	84	4.021	4.021	0.000	89	146419	20.0	21.5	
29 2-Methyl-2-propanol	59	4.142	4.124	0.018	98	384707	200.0	192.3	
30 Acrylonitrile	53	4.337	4.325	0.012	99	457802	100.0	107.0	
32 trans-1,2-Dichloroethene	96	4.410	4.410	0.000	99	131528	20.0	21.0	
31 Methyl tert-butyl ether	73	4.416	4.435	-0.019	95	402709	20.0	20.6	
35 Hexane	57	4.854	4.842	0.012	91	162162	20.0	20.1	
36 1,1-Dichloroethane	63	5.079	5.073	0.006	96	213323	20.0	21.0	
37 Isopropyl ether	45	5.140	5.140	0.000	95	373340	20.0	21.5	
38 2-Chloro-1,3-butadiene	53	5.195	5.189	0.006	89	164530	20.0	19.3	
39 Tert-butyl ethyl ether	59	5.682	5.694	-0.012	97	381853	20.0	21.1	
42 2-Butanone (MEK)	43	5.895	5.889	0.007	99	1476126	250.0	254.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 cis-1,2-Dichloroethene	96	5.919	5.919	0.000	80	148492	20.0	21.6	
40 2,2-Dichloropropane	77	5.943	5.949	-0.006	84	199017	20.0	18.7	
44 Propionitrile	54	5.986	5.968	0.018	99	292530	150.0	160.4	
46 Methacrylonitrile	67	6.199	6.193	0.006	90	679316	150.0	155.1	
47 Chlorobromomethane	128	6.253	6.254	-0.001	92	81711	20.0	21.4	
48 Tetrahydrofuran	71	6.266	6.260	0.006	89	180101	100.0	101.5	
49 Chloroform	83	6.412	6.406	0.006	92	215747	20.0	19.6	
$ 50 Dibromofluoromethane (Surr)	113	6.625	6.625	0.000	94	332821	50.0	50.4	
51 1,1,1-Trichloroethane	97	6.643	6.643	0.000	97	200171	20.0	18.7	
52 Cyclohexane	56	6.746	6.746	0.000	88	222904	20.0	20.2	
54 1,1-Dichloropropene	75	6.856	6.850	0.006	97	170070	20.0	20.9	
53 Carbon tetrachloride	117	6.862	6.856	0.006	82	177723	20.0	19.2	
55 Isobutyl alcohol	41	7.026	7.014	0.012	96	306923	500.0	538.1	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.087	7.075	0.012	91	76838	50.0	51.0	
57 Benzene	78	7.117	7.117	0.000	97	521366	20.0	21.5	
58 1,2-Dichloroethane	62	7.190	7.184	0.006	97	161007	20.0	18.0	
60 Tert-amyl methyl ether	73	7.312	7.318	-0.006	99	389330	20.0	21.2	
* 61 Fluorobenzene (IS)	96	7.531	7.525	0.006	99	1267405	50.0	50.0	
62 n-Heptane	43	7.543	7.543	0.000	90	155846	20.0	18.8	
64 n-Butanol	56	7.908	7.902	0.006	87	510751	1000.0	1008.6	
65 Trichloroethene	95	8.012	8.012	0.000	97	133959	20.0	19.6	
66 Methylcyclohexane	83	8.322	8.322	0.000	91	238311	20.0	19.8	
67 1,2-Dichloropropane	63	8.346	8.340	0.006	97	132169	20.0	21.0	
68 2-ethoxy-2-methyl butane	87	8.364	8.358	0.006	96	187993	20.0	21.5	
70 1,4-Dioxane	88	8.431	8.431	0.000	47	78758	500.0	589.8	
69 Methyl methacrylate	69	8.437	8.431	0.006	87	123165	20.0	18.5	
71 Dibromomethane	93	8.450	8.450	0.000	96	94799	20.0	20.1	
73 Dichlorobromomethane	83	8.693	8.693	0.000	100	164791	20.0	19.3	
74 2-Nitropropane	41	8.967	8.967	0.000	99	51551	20.0	16.0	
75 2-Chloroethyl vinyl ether	63	9.070	9.064	0.006	92	89032	20.0	18.1	
76 cis-1,3-Dichloropropene	75	9.259	9.253	0.006	97	193652	20.0	18.8	
77 4-Methyl-2-pentanone (MIBK)	43	9.435	9.435	0.000	95	2870838	250.0	259.8	
$ 78 Toluene-d8 (Surr)	98	9.575	9.575	0.000	92	1235192	50.0	50.5	
79 Toluene	92	9.654	9.654	0.000	98	315274	20.0	20.6	
80 trans-1,3-Dichloropropene	75	9.916	9.916	0.000	90	179181	20.0	19.1	
81 Ethyl methacrylate	69	9.983	9.983	0.000	88	199032	20.0	19.1	
119 1,1,2-Trichloroethane	97	10.129	10.123	0.006	89	126156	20.0	20.2	
120 Tetrachloroethene	166	10.214	10.214	0.000	96	141982	20.0	19.9	
121 1,3-Dichloropropane	76	10.293	10.293	0.000	88	194909	20.0	20.6	
123 2-Hexanone	43	10.348	10.348	0.000	95	2103951	250.0	266.8	
125 Chlorodibromomethane	129	10.506	10.506	0.000	89	141422	20.0	20.4	
126 Ethylene Dibromide	107	10.621	10.615	0.006	99	136856	20.0	19.9	
* 127 Chlorobenzene-d5 (IS)	117	11.059	11.060	-0.001	83	952832	50.0	50.0	
128 1-Chlorohexane	91	11.072	11.072	0.000	94	172315	20.0	18.6	
129 Chlorobenzene	112	11.084	11.084	0.000	97	370940	20.0	19.9	
130 1,1,1,2-Tetrachloroethane	131	11.169	11.169	0.000	97	143121	20.0	20.6	
131 Ethylbenzene	91	11.175	11.175	0.000	97	614791	20.0	19.9	
133 m-Xylene & p-Xylene	106	11.291	11.291	0.000	100	501343	40.0	40.7	
134 o-Xylene	106	11.625	11.625	0.000	95	258273	20.0	20.4	
135 Styrene	104	11.644	11.637	0.007	96	400334	20.0	19.8	
136 Bromoform	173	11.796	11.796	0.000	97	111015	20.0	19.8	
137 Isopropylbenzene	105	11.929	11.929	0.000	95	677354	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
$ 140 4-Bromofluorobenzene (Surr)	95	12.069	12.069	0.000	93	465522	50.0	50.0	
141 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	93	243374	20.0	19.8	
142 Bromobenzene	156	12.191	12.191	0.000	96	176029	20.0	20.0	
143 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	90	197399	100.0	57.2	
144 1,2,3-Trichloropropane	110	12.221	12.221	0.000	82	71069	20.0	19.4	
145 N-Propylbenzene	91	12.258	12.258	0.000	98	781614	20.0	19.4	
146 2-Chlorotoluene	126	12.337	12.337	0.000	98	168474	20.0	19.2	
147 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	578449	20.0	19.0	
148 4-Chlorotoluene	126	12.428	12.428	0.000	96	168120	20.0	19.1	
150 tert-Butylbenzene	134	12.641	12.641	0.000	91	112897	20.0	19.4	
152 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	96	603740	20.0	19.0	
153 sec-Butylbenzene	105	12.805	12.806	-0.001	94	751697	20.0	19.6	
154 1,3-Dichlorobenzene	146	12.903	12.903	0.000	98	344048	20.0	19.6	
155 4-Isopropyltoluene	119	12.915	12.915	0.000	97	671999	20.0	19.5	
* 157 1,4-Dichlorobenzene-d4	152	12.958	12.958	0.000	93	581161	50.0	50.0	
158 1,4-Dichlorobenzene	146	12.976	12.976	0.000	96	348614	20.0	20.4	
159 1,2,3-Trimethylbenzene	105	12.988	12.988	0.000	98	623430	20.0	19.3	
156 Benzyl chloride	91	13.055	13.055	0.000	98	463444	20.0	19.6	
160 1,3-Diethylbenzene	119	13.116	13.116	0.000	95	398968	20.0	19.1	
161 p-Diethylbenzene	119	13.189	13.189	0.000	94	427874	20.0	19.5	
162 n-Butylbenzene	92	13.207	13.207	0.000	96	335040	20.0	19.6	
163 1,2-Dichlorobenzene	146	13.237	13.237	0.000	99	350182	20.0	19.3	
164 o-diethylbenzene	119	13.262	13.262	0.000	94	330010	20.0	19.2	
166 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	90	65773	20.0	18.0	
167 1,3,5-Trichlorobenzene	180	13.907	13.907	0.000	98	285741	20.0	20.4	
168 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	95	286361	20.0	21.3	
169 Hexachlorobutadiene	225	14.418	14.418	0.000	97	118344	20.0	23.7	
170 Naphthalene	128	14.515	14.515	0.000	96	1030770	20.0	22.1	
171 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	97	308168	20.0	22.9	
172 2-Methylnaphthalene	142	15.269	15.269	0.000	92	812609	20.0	29.0	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_Gases_00144	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00111	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00117	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00115	Amount Added: 50.00	Units: uL	
MSV_HP23_ISSS_00010	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 31-May-2023 10:39:03 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X03.D

Injection Date: 30-May-2023 10:37:30 Instrument ID: 23297 Operator ID: lcp00895

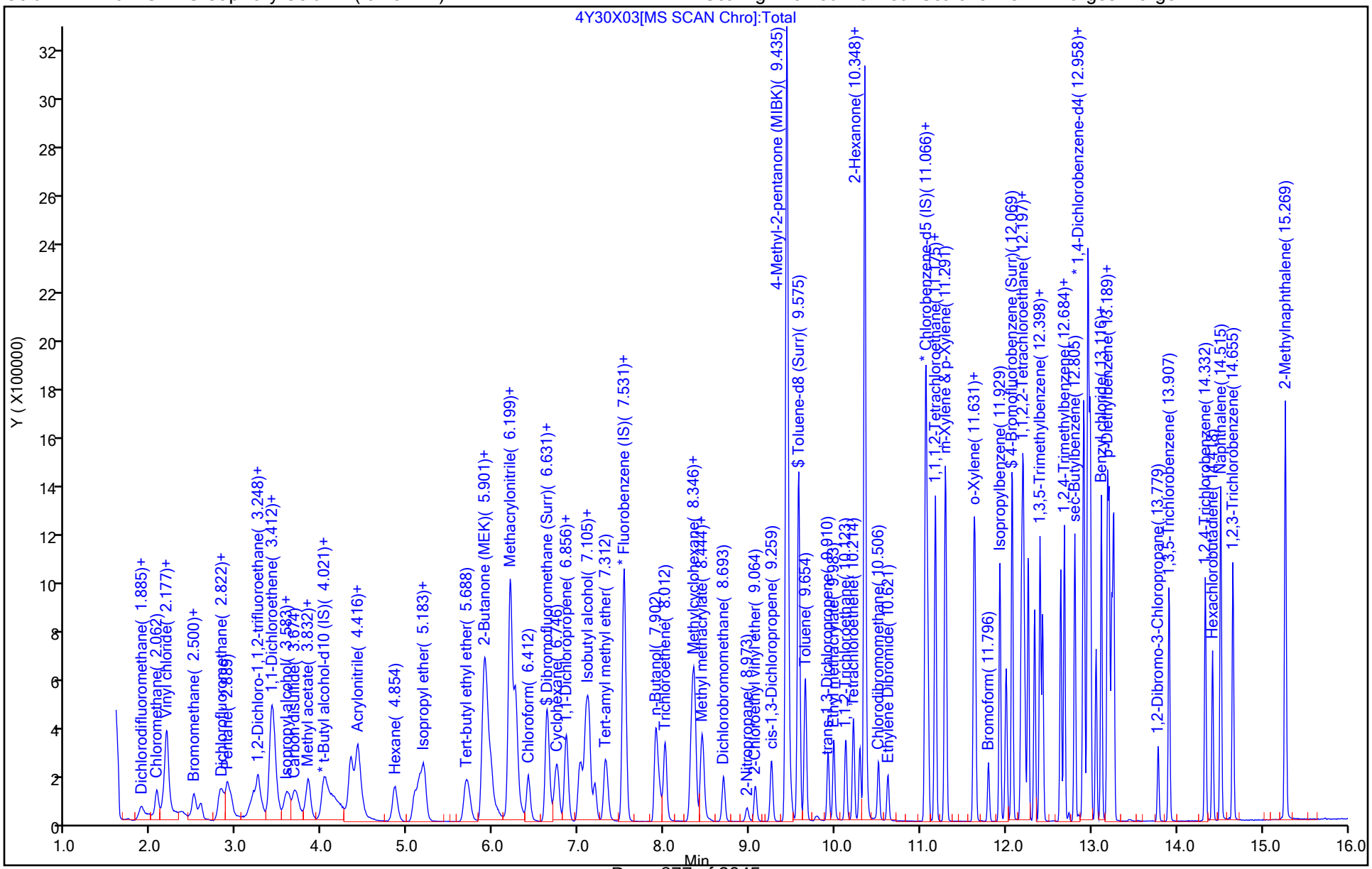
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 30-May-2023 10:37:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-004
Misc. Info.: LCS
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 10:38:17 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: ULCP Date: 30-May-2023 11:23:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	50.4	100.87
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	51.0	102.03
$ 78 Toluene-d8 (Surr)	50.0	50.5	101.06
$ 140 4-Bromofluorobenzene (Surr)	50.0	50.0	100.03

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-380934/5

Matrix: Water Lab File ID: 4Y30X04.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 10:59

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.: 380934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.0		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.0	0.30
79-00-5	1,1,2-Trichloroethane	20.1		1.0	0.30
75-34-3	1,1-Dichloroethane	21.3		1.0	0.30
75-35-4	1,1-Dichloroethene	20.8		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	19.0		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	18.3		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	16.2		5.0	0.30
106-93-4	1,2-Dibromoethane	20.0		1.0	0.20
95-50-1	1,2-Dichlorobenzene	18.7		5.0	0.20
107-06-2	1,2-Dichloroethane	18.4		1.0	0.30
78-87-5	1,2-Dichloropropane	20.7		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	18.5		5.0	0.30
541-73-1	1,3-Dichlorobenzene	18.7		5.0	0.68
106-46-7	1,4-Dichlorobenzene	19.8		5.0	0.30
78-93-3	2-Butanone	264		10	0.50
591-78-6	2-Hexanone	265		10	0.85
108-10-1	4-Methyl-2-pentanone	254		10	0.50
67-64-1	Acetone	246		20	0.70
71-43-2	Benzene	21.4		1.0	0.30
75-27-4	Bromodichloromethane	18.7		1.0	0.20
75-25-2	Bromoform	19.4		4.0	1.0
74-83-9	Bromomethane	19.4		1.0	0.30
75-15-0	Carbon disulfide	22.6		5.0	0.30
56-23-5	Carbon tetrachloride	19.2		1.0	0.30
108-90-7	Chlorobenzene	19.8		1.0	0.30
75-00-3	Chloroethane	19.3		1.0	0.20
67-66-3	Chloroform	20.1		1.0	0.30
74-87-3	Chloromethane	16.8		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	21.8		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.7		1.0	0.20
110-82-7	Cyclohexane	19.8		5.0	1.0
124-48-1	Dibromochloromethane	19.9		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-380934/5

Matrix: Water Lab File ID: 4Y30X04.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 10:59

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.: 380934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	12.9		1.0	0.20
100-41-4	Ethylbenzene	20.3		1.0	0.40
76-13-1	Freon 113	20.5		10	0.30
98-82-8	Isopropylbenzene	20.6		5.0	0.20
79-20-9	Methyl acetate	24.7		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	20.7		1.0	0.20
108-87-2	Methylcyclohexane	20.0		5.0	0.50
75-09-2	Methylene Chloride	21.4		1.0	0.30
100-42-5	Styrene	19.9		5.0	0.30
127-18-4	Tetrachloroethene	20.3		1.0	0.30
108-88-3	Toluene	20.8		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	21.2		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	19.1		1.0	0.20
79-01-6	Trichloroethene	19.8		1.0	0.30
75-69-4	Trichlorofluoromethane	15.6		1.0	0.20
75-01-4	Vinyl chloride	17.1		1.0	0.20
1330-20-7	Xylenes, Total	61.3		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)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\23297\20230530-85281.b\4Y30X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 30-May-2023 10:59:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-005
Misc. Info.: LCSD
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 10:38:17 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: ULCP Date: 30-May-2023 11:23:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.885	1.873	0.012	99	170718	20.0	12.9	
4 Chloromethane	50	2.068	2.062	0.006	99	192794	20.0	16.8	
5 Vinyl chloride	62	2.177	2.165	0.012	87	186500	20.0	17.1	
6 Butadiene	39	2.177	2.184	-0.007	94	282858	20.0	28.4	
8 Bromomethane	94	2.506	2.500	0.006	90	151035	20.0	19.4	
9 Chloroethane	64	2.585	2.573	0.012	100	110017	20.0	19.3	
10 Dichlorofluoromethane	67	2.810	2.804	0.006	97	275506	20.0	18.4	
11 Trichlorofluoromethane	101	2.847	2.859	-0.012	97	216982	20.0	15.6	
13 Pentane	43	2.895	2.895	0.000	97	235326	20.0	25.4	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.193	3.187	0.006	91	155773	20.0	19.9	
16 Acrolein	56	3.254	3.242	0.012	99	381878	150.0	173.6	
17 1,1-Dichloroethene	96	3.406	3.394	0.012	97	133273	20.0	20.8	
18 Acetone	58	3.412	3.400	0.012	100	289630	250.0	246.1	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.431	3.431	0.000	90	143979	20.0	20.5	
21 Isopropyl alcohol	45	3.589	3.558	0.031	96	179259	150.0	147.9	
20 Iodomethane	142	3.601	3.595	0.006	99	257829	20.0	21.1	
22 Carbon disulfide	76	3.686	3.680	0.006	99	449101	20.0	22.6	
24 Methyl acetate	43	3.814	3.796	0.018	98	194230	20.0	24.7	
26 3-Chloro-1-propene	41	3.844	3.832	0.012	93	180128	20.0	21.7	
* 28 t-Butyl alcohol-d10 (IS)	65	4.033	4.015	0.018	98	507667	250.0	250.0	
27 Methylene Chloride	84	4.027	4.021	0.006	90	151860	20.0	21.4	
29 2-Methyl-2-propanol	59	4.155	4.124	0.031	100	426943	200.0	209.1	
30 Acrylonitrile	53	4.337	4.325	0.012	100	481218	100.0	107.9	
32 trans-1,2-Dichloroethene	96	4.416	4.410	0.006	98	138765	20.0	21.2	
31 Methyl tert-butyl ether	73	4.428	4.435	-0.007	93	420504	20.0	20.7	
35 Hexane	57	4.854	4.842	0.012	92	172365	20.0	20.5	
36 1,1-Dichloroethane	63	5.085	5.073	0.012	96	226131	20.0	21.3	
37 Isopropyl ether	45	5.152	5.140	0.012	94	390746	20.0	21.6	
38 2-Chloro-1,3-butadiene	53	5.195	5.189	0.006	88	171937	20.0	19.4	
39 Tert-butyl ethyl ether	59	5.694	5.694	0.000	97	387792	20.0	20.5	
42 2-Butanone (MEK)	43	5.894	5.889	0.006	99	1595865	250.0	264.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 cis-1,2-Dichloroethene	96	5.925	5.919	0.006	79	156027	20.0	21.8	
40 2,2-Dichloropropane	77	5.949	5.949	0.000	83	208435	20.0	18.8	
44 Propionitrile	54	5.974	5.968	0.006	99	326519	150.0	175.5	
46 Methacrylonitrile	67	6.205	6.193	0.012	91	719304	150.0	157.5	
47 Chlorobromomethane	128	6.259	6.254	0.005	86	83917	20.0	21.1	
48 Tetrahydrofuran	71	6.272	6.260	0.012	89	195864	100.0	108.2	
49 Chloroform	83	6.412	6.406	0.006	92	230694	20.0	20.1	
$ 50 Dibromofluoromethane (Surr)	113	6.631	6.625	0.006	94	350807	50.0	51.0	
51 1,1,1-Trichloroethane	97	6.637	6.643	-0.006	97	211923	20.0	19.0	
52 Cyclohexane	56	6.746	6.746	0.000	88	228169	20.0	19.8	
54 1,1-Dichloropropene	75	6.856	6.850	0.006	96	177019	20.0	20.8	
53 Carbon tetrachloride	117	6.868	6.856	0.012	82	185698	20.0	19.2	
55 Isobutyl alcohol	41	7.020	7.014	0.006	94	315226	500.0	541.7	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.087	7.075	0.012	89	79254	50.0	50.5	
57 Benzene	78	7.123	7.117	0.006	96	542833	20.0	21.4	
58 1,2-Dichloroethane	62	7.196	7.184	0.012	97	171958	20.0	18.4	
60 Tert-amyl methyl ether	73	7.318	7.318	0.000	99	395312	20.0	20.6	
* 61 Fluorobenzene (IS)	96	7.531	7.525	0.006	99	1321367	50.0	50.0	
62 n-Heptane	43	7.549	7.543	0.006	94	165630	20.0	19.1	
64 n-Butanol	56	7.908	7.902	0.006	87	530082	1000.0	1026.0	
65 Trichloroethene	95	8.012	8.012	0.000	96	140730	20.0	19.8	
66 Methylcyclohexane	83	8.322	8.322	0.000	89	250504	20.0	20.0	
67 1,2-Dichloropropane	63	8.346	8.340	0.006	96	136104	20.0	20.7	
68 2-ethoxy-2-methyl butane	87	8.364	8.358	0.006	94	193354	20.0	21.2	
70 1,4-Dioxane	88	8.437	8.431	0.006	45	79767	500.0	585.6	
69 Methyl methacrylate	69	8.437	8.431	0.006	88	125376	20.0	18.1	
71 Dibromomethane	93	8.456	8.450	0.006	95	98050	20.0	20.0	
73 Dichlorobromomethane	83	8.699	8.693	0.006	99	166536	20.0	18.7	
74 2-Nitropropane	41	8.967	8.967	0.000	99	53878	20.0	16.4	
75 2-Chloroethyl vinyl ether	63	9.070	9.064	0.006	91	91280	20.0	17.8	
76 cis-1,3-Dichloropropene	75	9.259	9.253	0.006	97	200647	20.0	18.7	
77 4-Methyl-2-pentanone (MIBK)	43	9.435	9.435	0.000	96	2927311	250.0	254.1	
$ 78 Toluene-d8 (Surr)	98	9.575	9.575	0.000	92	1274708	50.0	50.6	
79 Toluene	92	9.654	9.654	0.000	98	328468	20.0	20.8	
80 trans-1,3-Dichloropropene	75	9.922	9.916	0.006	90	185121	20.0	19.1	
81 Ethyl methacrylate	69	9.983	9.983	0.000	89	204351	20.0	19.1	
119 1,1,2-Trichloroethane	97	10.129	10.123	0.006	89	129596	20.0	20.1	
120 Tetrachloroethene	166	10.214	10.214	0.000	97	149521	20.0	20.3	
121 1,3-Dichloropropane	76	10.293	10.293	0.000	88	201298	20.0	20.6	
123 2-Hexanone	43	10.348	10.348	0.000	95	2152135	250.0	264.6	
125 Chlorodibromomethane	129	10.512	10.506	0.006	89	142332	20.0	19.9	
126 Ethylene Dibromide	107	10.621	10.615	0.006	98	141959	20.0	20.0	
* 127 Chlorobenzene-d5 (IS)	117	11.059	11.060	-0.001	83	982588	50.0	50.0	
128 1-Chlorohexane	91	11.072	11.072	0.000	94	181043	20.0	19.0	
129 Chlorobenzene	112	11.090	11.084	0.006	97	380945	20.0	19.8	
130 1,1,1,2-Tetrachloroethane	131	11.169	11.169	0.000	96	148673	20.0	20.7	
131 Ethylbenzene	91	11.175	11.175	0.000	97	646376	20.0	20.3	
133 m-Xylene & p-Xylene	106	11.291	11.291	0.000	99	519012	40.0	40.9	
134 o-Xylene	106	11.625	11.625	0.000	95	265910	20.0	20.4	
135 Styrene	104	11.643	11.637	0.006	94	415319	20.0	19.9	
136 Bromoform	173	11.795	11.796	-0.001	98	112323	20.0	19.4	
137 Isopropylbenzene	105	11.929	11.929	0.000	95	701234	20.0	20.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 140 4-Bromofluorobenzene (Surr)	95	12.069	12.069	0.000	93	486023	50.0	50.6	
141 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	93	245534	20.0	18.9	
142 Bromobenzene	156	12.191	12.191	0.000	94	176704	20.0	19.0	
143 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	93	221879	100.0	61.0	
144 1,2,3-Trichloropropane	110	12.221	12.221	0.000	82	71329	20.0	18.5	
145 N-Propylbenzene	91	12.258	12.258	0.000	98	801531	20.0	18.9	
146 2-Chlorotoluene	126	12.337	12.337	0.000	98	174998	20.0	18.9	
147 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	595630	20.0	18.5	
148 4-Chlorotoluene	126	12.428	12.428	0.000	96	171922	20.0	18.6	
150 tert-Butylbenzene	134	12.641	12.641	0.000	91	117223	20.0	19.1	
152 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	97	611600	20.0	18.3	
153 sec-Butylbenzene	105	12.805	12.806	-0.001	94	762569	20.0	18.9	
154 1,3-Dichlorobenzene	146	12.903	12.903	0.000	98	344867	20.0	18.7	
155 4-Isopropyltoluene	119	12.915	12.915	0.000	97	676624	20.0	18.6	
* 157 1,4-Dichlorobenzene-d4	152	12.957	12.958	-0.001	93	612528	50.0	50.0	
158 1,4-Dichlorobenzene	146	12.976	12.976	0.000	96	356029	20.0	19.8	
159 1,2,3-Trimethylbenzene	105	12.988	12.988	0.000	98	633638	20.0	18.6	
156 Benzyl chloride	91	13.055	13.055	0.000	98	464400	20.0	18.6	
160 1,3-Diethylbenzene	119	13.116	13.116	0.000	95	402769	20.0	18.3	
161 p-Diethylbenzene	119	13.189	13.189	0.000	94	425289	20.0	18.4	
162 n-Butylbenzene	92	13.207	13.207	0.000	96	330047	20.0	18.3	
163 1,2-Dichlorobenzene	146	13.237	13.237	0.000	99	358805	20.0	18.7	
164 o-diethylbenzene	119	13.262	13.262	0.000	93	334151	20.0	18.5	
166 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	91	62289	20.0	16.2	
167 1,3,5-Trichlorobenzene	180	13.906	13.907	-0.001	98	275187	20.0	18.7	
168 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	94	270293	20.0	19.0	
169 Hexachlorobutadiene	225	14.418	14.418	0.000	97	105991	20.0	20.1	
170 Naphthalene	128	14.515	14.515	0.000	96	913608	20.0	18.6	
171 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	96	264920	20.0	18.7	M
172 2-Methylnaphthalene	142	15.269	15.269	0.000	92	546979	20.0	18.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_Gases_00144	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00111	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00117	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00115	Amount Added: 50.00	Units: uL	
MSV_HP23_ISSS_00010	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 31-May-2023 10:40:57 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X04.D

Injection Date: 30-May-2023 10:59:30 Instrument ID: 23297 Operator ID: lcp00895

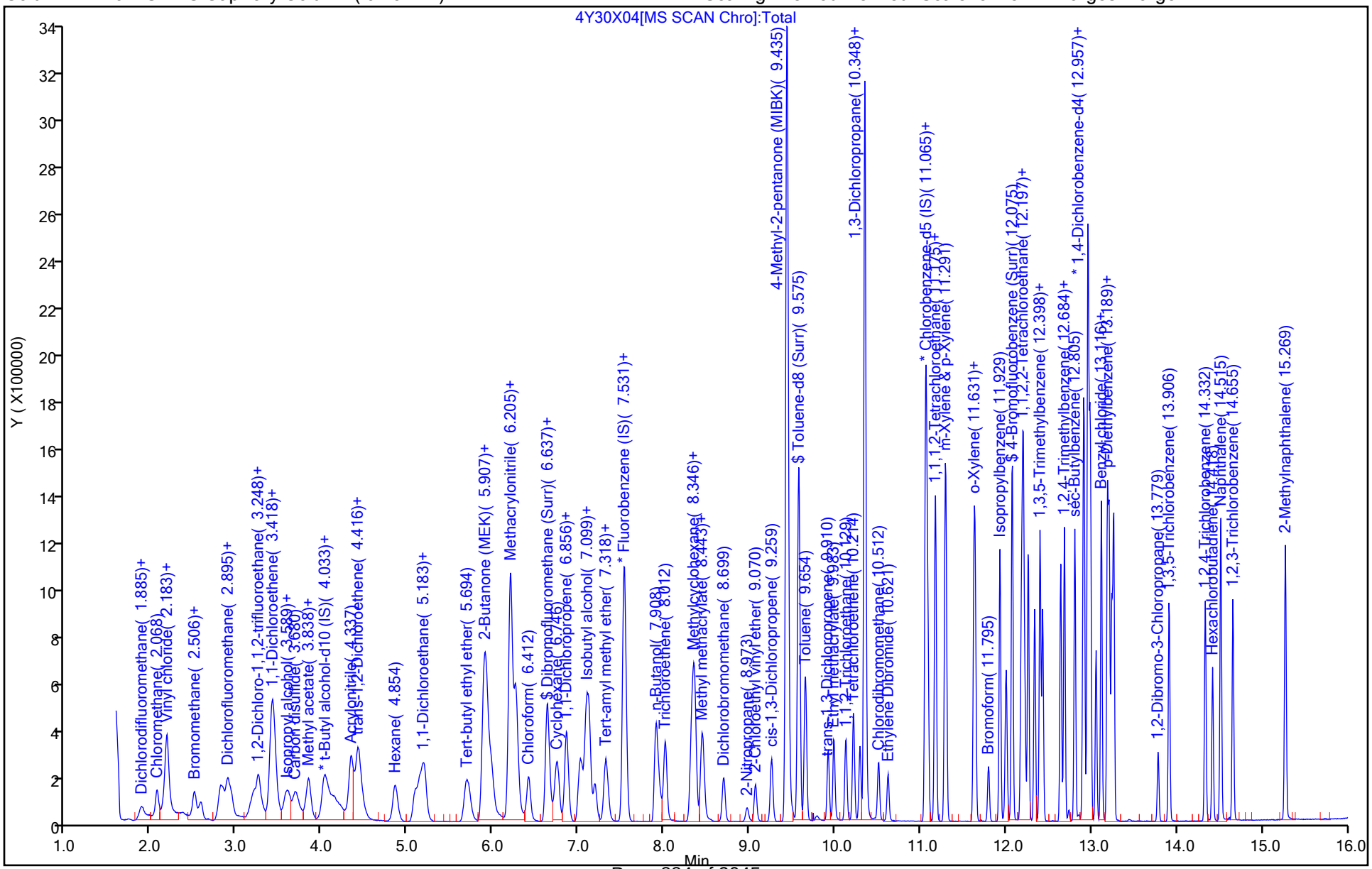
Lims ID: LCSD Worklist Smp#: 5

Client ID:

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

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X04.D				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	30-May-2023 10:59:30	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0085281-005				
Misc. Info.:	LCSD				
Operator ID:	lcp00895	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	31-May-2023 10:38:17	Calib Date:	05-Dec-2022 22:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1637				

First Level Reviewer: ULCP Date: 30-May-2023 11:23:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	51.0	101.98
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	50.5	100.94
$ 78 Toluene-d8 (Surr)	50.0	50.6	101.13
$ 140 4-Bromofluorobenzene (Surr)	50.0	50.6	101.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MS_052023 MS Lab Sample ID: 410-127407-3 MS

Matrix: Water Lab File ID: 4Y30X13.D

Analysis Method: 8260C Date Collected: 05/18/2023 10:43

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 14:21

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.: 380934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.2		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	20.6		1.0	0.30
75-34-3	1,1-Dichloroethane	22.9		1.0	0.30
75-35-4	1,1-Dichloroethene	24.2		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	19.5		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	19.3		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	16.8		5.0	0.30
106-93-4	1,2-Dibromoethane	20.3		1.0	0.20
95-50-1	1,2-Dichlorobenzene	19.6		5.0	0.20
107-06-2	1,2-Dichloroethane	19.2		1.0	0.30
78-87-5	1,2-Dichloropropane	21.9		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	19.6		5.0	0.30
541-73-1	1,3-Dichlorobenzene	19.8		5.0	0.68
106-46-7	1,4-Dichlorobenzene	21.1		5.0	0.30
78-93-3	2-Butanone	273		10	0.50
591-78-6	2-Hexanone	263		10	0.85
108-10-1	4-Methyl-2-pentanone	259		10	0.50
67-64-1	Acetone	289		20	0.70
71-43-2	Benzene	23.3		1.0	0.30
75-27-4	Bromodichloromethane	20.3		1.0	0.20
75-25-2	Bromoform	19.7		4.0	1.0
74-83-9	Bromomethane	20.7		1.0	0.30
75-15-0	Carbon disulfide	25.6		5.0	0.30
56-23-5	Carbon tetrachloride	22.1		1.0	0.30
108-90-7	Chlorobenzene	21.1		1.0	0.30
75-00-3	Chloroethane	22.1		1.0	0.20
67-66-3	Chloroform	21.8		1.0	0.30
74-87-3	Chloromethane	20.1		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	23.6		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	19.1		1.0	0.20
110-82-7	Cyclohexane	23.4		5.0	1.0
124-48-1	Dibromochloromethane	20.5		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MS_052023 MS Lab Sample ID: 410-127407-3 MS

Matrix: Water Lab File ID: 4Y30X13.D

Analysis Method: 8260C Date Collected: 05/18/2023 10:43

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 14:21

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.: 380934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	16.5		1.0	0.20
100-41-4	Ethylbenzene	21.2		1.0	0.40
76-13-1	Freon 113	24.1		10	0.30
98-82-8	Isopropylbenzene	22.1		5.0	0.20
79-20-9	Methyl acetate	25.4		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	20.4		1.0	0.20
108-87-2	Methylcyclohexane	23.3		5.0	0.50
75-09-2	Methylene Chloride	23.3		1.0	0.30
100-42-5	Styrene	20.6		5.0	0.30
127-18-4	Tetrachloroethene	22.2		1.0	0.30
108-88-3	Toluene	21.9		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	23.5		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.9		1.0	0.20
79-01-6	Trichloroethene	21.6		1.0	0.30
75-69-4	Trichlorofluoromethane	17.9		1.0	0.20
75-01-4	Vinyl chloride	20.3		1.0	0.20
1330-20-7	Xylenes, Total	64.5		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)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		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\23297\20230530-85281.b\4Y30X13.D
Lims ID: 410-127407-E-3 MS
Client ID: FBW001-MS_052023
Sample Type: MS
Inject. Date: 30-May-2023 14:21:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-014
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 11:04:11 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:04:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.879	1.873	0.006	99	198718	20.0	16.5	
4 Chloromethane	50	2.062	2.062	0.000	99	210279	20.0	20.1	
5 Vinyl chloride	62	2.171	2.165	0.006	82	202042	20.0	20.3	
6 Butadiene	39	2.178	2.184	-0.006	91	308683	20.0	34.0	
8 Bromomethane	94	2.500	2.500	0.000	89	147283	20.0	20.7	
9 Chloroethane	64	2.579	2.573	0.006	100	114863	20.0	22.1	
10 Dichlorofluoromethane	67	2.798	2.804	-0.006	97	265605	20.0	19.5	
11 Trichlorofluoromethane	101	2.853	2.859	-0.006	97	227705	20.0	17.9	
13 Pentane	43	2.895	2.895	0.000	98	212890	20.0	25.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.187	3.187	0.000	90	164189	20.0	23.0	
16 Acrolein	56	3.248	3.242	0.006	100	350534	150.0	178.8	
17 1,1-Dichloroethene	96	3.394	3.394	0.000	50	141478	20.0	24.2	
18 Acetone	58	3.400	3.400	0.000	100	302676	250.0	288.6	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.437	3.431	0.006	91	154150	20.0	24.1	
21 Isopropyl alcohol	45	3.577	3.558	0.019	44	183906	150.0	170.3	
20 Iodomethane	142	3.595	3.595	0.000	97	263172	20.0	23.7	
22 Carbon disulfide	76	3.692	3.680	0.012	99	463625	20.0	25.6	
24 Methyl acetate	43	3.808	3.796	0.012	97	181947	20.0	25.4	
26 3-Chloro-1-propene	41	3.838	3.832	0.006	94	174454	20.0	23.1	
* 28 t-Butyl alcohol-d10 (IS)	65	4.021	4.015	0.006	98	452450	250.0	250.0	
27 Methylene Chloride	84	4.015	4.021	-0.006	90	150897	20.0	23.3	
29 2-Methyl-2-propanol	59	4.149	4.124	0.025	99	381108	200.0	209.5	
30 Acrylonitrile	53	4.325	4.325	0.000	99	458328	100.0	112.8	
32 trans-1,2-Dichloroethene	96	4.410	4.410	0.000	98	140209	20.0	23.5	
31 Methyl tert-butyl ether	73	4.422	4.435	-0.013	94	378250	20.0	20.4	
35 Hexane	57	4.848	4.842	0.006	91	181842	20.0	23.7	
36 1,1-Dichloroethane	63	5.079	5.073	0.006	96	221577	20.0	22.9	
37 Isopropyl ether	45	5.146	5.140	0.006	94	369243	20.0	22.4	
38 2-Chloro-1,3-butadiene	53	5.189	5.189	0.000	89	175158	20.0	21.7	
39 Tert-butyl ethyl ether	59	5.694	5.694	0.000	97	361175	20.0	21.0	
42 2-Butanone (MEK)	43	5.888	5.889	0.000	100	1504357	250.0	273.1	
43 cis-1,2-Dichloroethene	96	5.925	5.919	0.006	80	153991	20.0	23.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2,2-Dichloropropane	77	5.943	5.949	-0.006	84	208445	20.0	20.7	
44 Propionitrile	54	5.980	5.968	0.012	99	307764	150.0	185.6	
46 Methacrylonitrile	67	6.199	6.193	0.006	90	663336	150.0	159.4	
47 Chlorobromomethane	128	6.254	6.254	0.000	85	82786	20.0	22.9	
48 Tetrahydrofuran	71	6.260	6.260	0.000	89	181485	100.0	112.5	
49 Chloroform	83	6.412	6.406	0.006	93	227878	20.0	21.8	
$ 50 Dibromofluoromethane (Surr)	113	6.625	6.625	0.000	94	323072	50.0	51.5	
51 1,1,1-Trichloroethane	97	6.643	6.643	0.000	96	215547	20.0	21.2	
52 Cyclohexane	56	6.740	6.746	-0.006	90	244933	20.0	23.4	
54 1,1-Dichloropropene	75	6.856	6.850	0.006	97	181883	20.0	23.5	
53 Carbon tetrachloride	117	6.850	6.856	-0.006	82	194732	20.0	22.1	
55 Isobutyl alcohol	41	7.020	7.014	0.006	95	297311	500.0	573.3	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.081	7.075	0.006	88	74791	50.0	52.3	
57 Benzene	78	7.117	7.117	0.000	96	538437	20.0	23.3	
58 1,2-Dichloroethane	62	7.190	7.184	0.006	97	163400	20.0	19.2	
60 Tert-amyl methyl ether	73	7.312	7.318	-0.006	99	355431	20.0	20.4	
* 61 Fluorobenzene (IS)	96	7.531	7.525	0.006	99	1203783	50.0	50.0	
62 n-Heptane	43	7.543	7.543	0.000	89	171009	20.0	21.7	
64 n-Butanol	56	7.902	7.902	0.000	89	484489	1000.0	1052.2	
65 Trichloroethene	95	8.012	8.012	0.000	97	139983	20.0	21.6	
66 Methylcyclohexane	83	8.322	8.322	0.000	90	266095	20.0	23.3	
67 1,2-Dichloropropane	63	8.346	8.340	0.006	90	131030	20.0	21.9	
68 2-ethoxy-2-methyl butane	87	8.358	8.358	0.000	92	185711	20.0	22.4	
70 1,4-Dioxane	88	8.431	8.431	0.000	47	74375	500.0	612.6	
69 Methyl methacrylate	69	8.438	8.431	0.007	87	119476	20.0	18.9	
71 Dibromomethane	93	8.456	8.450	0.006	96	92360	20.0	20.7	
73 Dichlorobromomethane	83	8.693	8.693	0.000	99	164712	20.0	20.3	
74 2-Nitropropane	41	8.973	8.967	0.006	98	50163	20.0	17.1	
75 2-Chloroethyl vinyl ether	63		9.064				ND	ND	
76 cis-1,3-Dichloropropene	75	9.259	9.253	0.006	98	187493	20.0	19.1	
77 4-Methyl-2-pentanone (MIBK)	43	9.435	9.435	0.000	95	2723266	250.0	259.5	
$ 78 Toluene-d8 (Surr)	98	9.575	9.575	0.000	92	1169009	50.0	49.9	
79 Toluene	92	9.654	9.654	0.000	99	321009	20.0	21.9	
80 trans-1,3-Dichloropropene	75	9.916	9.916	0.000	91	170485	20.0	18.9	
81 Ethyl methacrylate	69	9.983	9.983	0.000	89	189668	20.0	19.0	
119 1,1,2-Trichloroethane	97	10.129	10.123	0.006	89	123534	20.0	20.6	
120 Tetrachloroethene	166	10.214	10.214	0.000	96	152486	20.0	22.2	
121 1,3-Dichloropropane	76	10.293	10.293	0.000	88	190529	20.0	21.0	
123 2-Hexanone	43	10.348	10.348	0.000	95	1988076	250.0	262.8	
125 Chlorodibromomethane	129	10.512	10.506	0.006	90	136430	20.0	20.5	
126 Ethylene Dibromide	107	10.615	10.615	0.000	98	133526	20.0	20.3	
* 127 Chlorobenzene-d5 (IS)	117	11.060	11.060	0.000	83	913802	50.0	50.0	
128 1-Chlorohexane	91	11.072	11.072	0.000	94	179865	20.0	20.2	
129 Chlorobenzene	112	11.084	11.084	0.000	97	376386	20.0	21.1	
130 1,1,1,2-Tetrachloroethane	131	11.169	11.169	0.000	95	148461	20.0	22.3	
131 Ethylbenzene	91	11.175	11.175	0.000	98	627987	20.0	21.2	
133 m-Xylene & p-Xylene	106	11.291	11.291	0.000	100	507441	40.0	43.0	
134 o-Xylene	106	11.625	11.625	0.000	95	260491	20.0	21.5	
135 Styrene	104	11.644	11.637	0.007	94	400157	20.0	20.6	
136 Bromoform	173	11.796	11.796	0.000	97	106130	20.0	19.7	
137 Isopropylbenzene	105	11.929	11.929	0.000	95	699663	20.0	22.1	
$ 140 4-Bromofluorobenzene (Surr)	95	12.069	12.069	0.000	93	438072	50.0	49.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
141 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	93	234484	20.0	19.5	
142 Bromobenzene	156	12.191	12.191	0.000	96	174081	20.0	20.2	
143 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	93	186676	100.0	55.3	
144 1,2,3-Trichloropropane	110	12.221	12.221	0.000	82	68941	20.0	19.2	
145 N-Propylbenzene	91	12.258	12.258	0.000	98	798489	20.0	20.2	
146 2-Chlorotoluene	126	12.337	12.337	0.000	98	170640	20.0	19.8	
147 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	584035	20.0	19.6	
148 4-Chlorotoluene	126	12.428	12.428	0.000	96	171288	20.0	19.9	
150 tert-Butylbenzene	134	12.641	12.641	0.000	92	120062	20.0	21.1	
152 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	97	599354	20.0	19.3	
153 sec-Butylbenzene	105	12.806	12.806	0.000	93	773261	20.0	20.6	
154 1,3-Dichlorobenzene	146	12.903	12.903	0.000	99	338756	20.0	19.8	
155 4-Isopropyltoluene	119	12.915	12.915	0.000	97	691132	20.0	20.5	
* 157 1,4-Dichlorobenzene-d4	152	12.958	12.958	0.000	93	568698	50.0	50.0	
158 1,4-Dichlorobenzene	146	12.976	12.976	0.000	95	351735	20.0	21.1	
159 1,2,3-Trimethylbenzene	105	12.988	12.988	0.000	98	616570	20.0	19.5	
156 Benzyl chloride	91	13.055	13.055	0.000	98	426768	20.0	18.4	
160 1,3-Diethylbenzene	119	13.116	13.116	0.000	96	402656	20.0	19.7	
161 p-Diethylbenzene	119	13.189	13.189	0.000	94	429349	20.0	20.0	
162 n-Butylbenzene	92	13.207	13.207	0.000	96	334413	20.0	20.0	
163 1,2-Dichlorobenzene	146	13.237	13.237	0.000	99	348202	20.0	19.6	
164 o-diethylbenzene	119	13.262	13.262	0.000	93	326386	20.0	19.4	
166 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	90	60199	20.0	16.8	
167 1,3,5-Trichlorobenzene	180	13.913	13.907	0.006	98	271574	20.0	19.8	
168 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	94	256669	20.0	19.5	
169 Hexachlorobutadiene	225	14.418	14.418	0.000	97	100367	20.0	20.5	
170 Naphthalene	128	14.515	14.515	0.000	96	857909	20.0	18.8	
171 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	96	248261	20.0	18.8	
172 2-Methylnaphthalene	142	15.269	15.269	0.000	92	412819	20.0	15.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

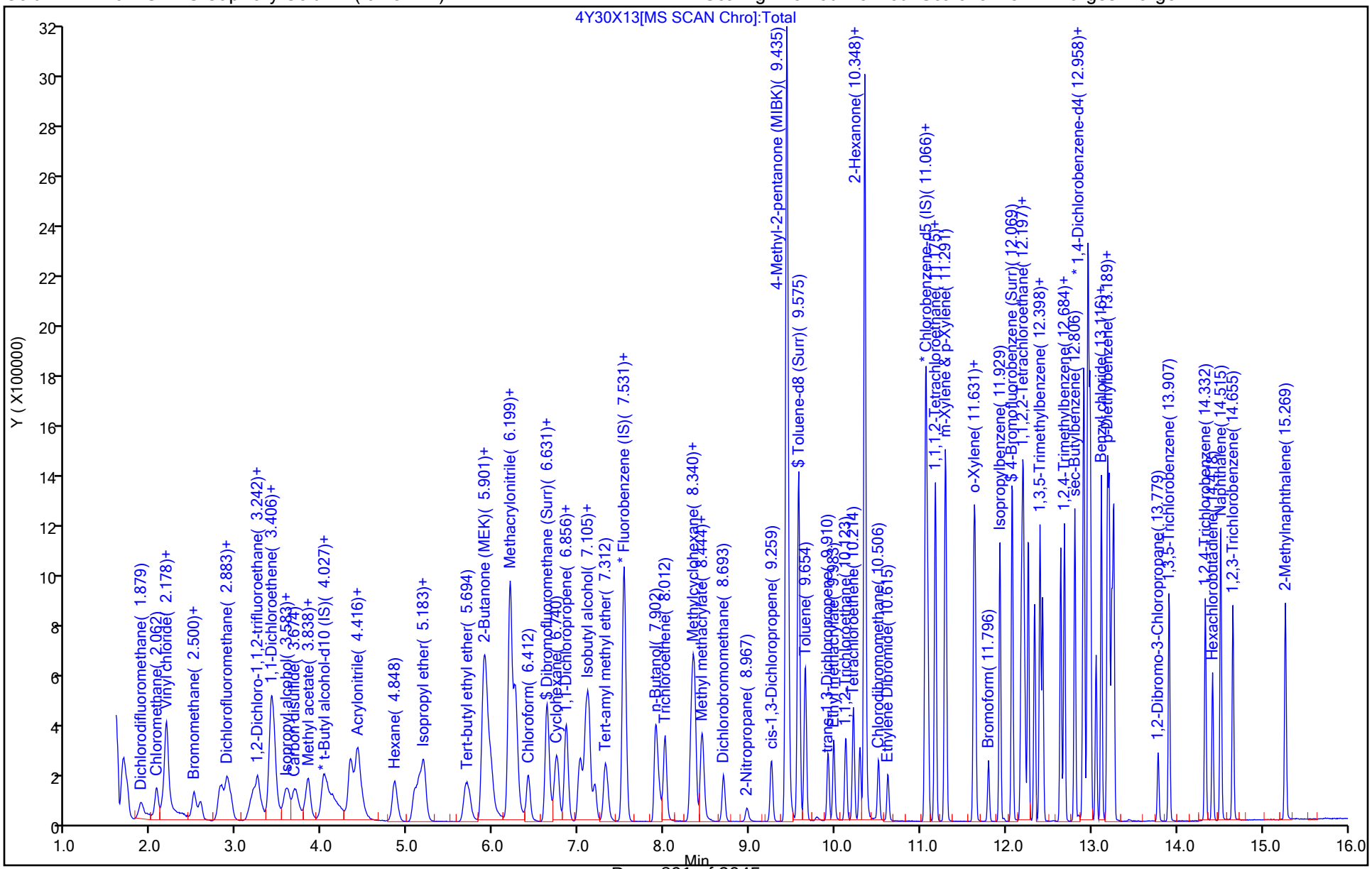
MSV_LCS_Gases_00144	Amount Added: 21.50	Units: uL	
MSV_LCS_VOC#1_00111	Amount Added: 21.50	Units: uL	
MSV_LCS_2CEVE_00117	Amount Added: 21.50	Units: uL	
MSV_LCS_ACROL_00115	Amount Added: 21.50	Units: uL	
MSV_HP23_ISSS_00010	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 31-May-2023 11:04:45 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X13.D				
Injection Date:	30-May-2023 14:21:30	Instrument ID:	23297	Operator ID:	lcp00895
Lims ID:	410-127407-E-3 MS			Worklist Smp#:	14
Client ID:	FBW001-MS_052023				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X13.D				
Lims ID:	410-127407-E-3 MS				
Client ID:	FBW001-MS_052023				
Sample Type:	MS				
Inject. Date:	30-May-2023 14:21:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0085281-014				
Operator ID:	lcp00895	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	31-May-2023 11:04:11	Calib Date:	05-Dec-2022 22:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1637				

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:04:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	51.5	103.09
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	52.3	104.56
$ 78 Toluene-d8 (Surr)	50.0	49.9	99.73
$ 140 4-Bromofluorobenzene (Surr)	50.0	49.1	98.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MSD_052023 MSD Lab Sample ID: 410-127407-3 MSD

Matrix: Water Lab File ID: 4Y30X14.D

Analysis Method: 8260C Date Collected: 05/18/2023 10:43

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 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.: 380934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.3		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	18.4		1.0	0.30
79-00-5	1,1,2-Trichloroethane	20.0		1.0	0.30
75-34-3	1,1-Dichloroethane	22.2		1.0	0.30
75-35-4	1,1-Dichloroethene	21.5		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	18.9		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	18.6		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	15.4		5.0	0.30
106-93-4	1,2-Dibromoethane	19.8		1.0	0.20
95-50-1	1,2-Dichlorobenzene	18.8		5.0	0.20
107-06-2	1,2-Dichloroethane	18.2		1.0	0.30
78-87-5	1,2-Dichloropropane	21.2		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	18.9		5.0	0.30
541-73-1	1,3-Dichlorobenzene	19.1		5.0	0.68
106-46-7	1,4-Dichlorobenzene	20.1		5.0	0.30
78-93-3	2-Butanone	248		10	0.50
591-78-6	2-Hexanone	249		10	0.85
108-10-1	4-Methyl-2-pentanone	240		10	0.50
67-64-1	Acetone	257		20	0.70
71-43-2	Benzene	22.6		1.0	0.30
75-27-4	Bromodichloromethane	19.1		1.0	0.20
75-25-2	Bromoform	19.0		4.0	1.0
74-83-9	Bromomethane	20.6		1.0	0.30
75-15-0	Carbon disulfide	23.2		5.0	0.30
56-23-5	Carbon tetrachloride	20.8		1.0	0.30
108-90-7	Chlorobenzene	20.3		1.0	0.30
75-00-3	Chloroethane	21.6		1.0	0.20
67-66-3	Chloroform	21.0		1.0	0.30
74-87-3	Chloromethane	18.9		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	22.8		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.5		1.0	0.20
110-82-7	Cyclohexane	22.6		5.0	1.0
124-48-1	Dibromochloromethane	20.1		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MSD_052023 MSD Lab Sample ID: 410-127407-3 MSD

Matrix: Water Lab File ID: 4Y30X14.D

Analysis Method: 8260C Date Collected: 05/18/2023 10:43

Sample wt/vol: 5(mL) Date Analyzed: 05/30/2023 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.: 380934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	15.8		1.0	0.20
100-41-4	Ethylbenzene	20.8		1.0	0.40
76-13-1	Freon 113	21.6		10	0.30
98-82-8	Isopropylbenzene	21.6		5.0	0.20
79-20-9	Methyl acetate	19.4		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	20.1		1.0	0.20
108-87-2	Methylcyclohexane	22.2		5.0	0.50
75-09-2	Methylene Chloride	22.4		1.0	0.30
100-42-5	Styrene	20.4		5.0	0.30
127-18-4	Tetrachloroethene	21.8		1.0	0.30
108-88-3	Toluene	21.3		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	22.4		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.7		1.0	0.20
79-01-6	Trichloroethene	20.8		1.0	0.30
75-69-4	Trichlorofluoromethane	16.7		1.0	0.20
75-01-4	Vinyl chloride	19.4		1.0	0.20
1330-20-7	Xylenes, Total	63.6		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Report Date: 31-May-2023 11:05:18 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X14.D
Lims ID: 410-127407-E-3 MSD
Client ID: FBW001-MSD_052023
Sample Type: MSD
Inject. Date: 30-May-2023 14:44:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0085281-015
Operator ID: lcp00895 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 31-May-2023 11:04:11 Calib Date: 05-Dec-2022 22:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:05:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.885	1.873	0.012	99	200812	20.0	15.8	
4 Chloromethane	50	2.068	2.062	0.006	99	207630	20.0	18.9	
5 Vinyl chloride	62	2.177	2.165	0.012	87	202795	20.0	19.4	
6 Butadiene	39	2.183	2.184	-0.001	92	305215	20.0	32.0	
8 Bromomethane	94	2.506	2.500	0.006	90	153700	20.0	20.6	
9 Chloroethane	64	2.579	2.573	0.006	99	117896	20.0	21.6	
10 Dichlorofluoromethane	67	2.816	2.804	0.012	97	265052	20.0	18.5	
11 Trichlorofluoromethane	101	2.859	2.859	0.000	98	223038	20.0	16.7	
13 Pentane	43	2.901	2.895	0.006	97	211447	20.0	23.8	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.205	3.187	0.018	92	157496	20.0	21.0	
16 Acrolein	56	3.260	3.242	0.018	99	327594	150.0	164.8	
17 1,1-Dichloroethene	96	3.406	3.394	0.012	50	132024	20.0	21.5	
18 Acetone	58	3.418	3.400	0.018	100	273903	250.0	257.5	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.443	3.431	0.012	92	145295	20.0	21.6	
21 Isopropyl alcohol	45	3.570	3.558	0.012	99	140434	150.0	128.2	
20 Iodomethane	142	3.595	3.595	0.000	96	257119	20.0	22.0	
22 Carbon disulfide	76	3.692	3.680	0.012	99	440804	20.0	23.2	
24 Methyl acetate	43	3.814	3.796	0.018	97	146094	20.0	19.4	
26 3-Chloro-1-propene	41	3.850	3.832	0.018	94	166322	20.0	20.9	
* 28 t-Butyl alcohol-d10 (IS)	65	4.021	4.015	0.006	98	458868	250.0	250.0	
27 Methylene Chloride	84	4.033	4.021	0.012	90	151772	20.0	22.4	
29 2-Methyl-2-propanol	59	4.142	4.124	0.018	100	368492	200.0	199.7	
30 Acrylonitrile	53	4.337	4.325	0.012	99	446843	100.0	104.7	
32 trans-1,2-Dichloroethene	96	4.416	4.410	0.006	99	140445	20.0	22.4	
31 Methyl tert-butyl ether	73	4.422	4.435	-0.013	88	390670	20.0	20.1	
35 Hexane	57	4.854	4.842	0.012	90	183687	20.0	22.8	
36 1,1-Dichloroethane	63	5.091	5.073	0.018	96	225773	20.0	22.2	
37 Isopropyl ether	45	5.146	5.140	0.006	93	376905	20.0	21.7	
38 2-Chloro-1,3-butadiene	53	5.201	5.189	0.012	88	180138	20.0	21.2	
39 Tert-butyl ethyl ether	59	5.688	5.694	-0.006	97	368280	20.0	20.4	
42 2-Butanone (MEK)	43	5.894	5.889	0.006	99	1434506	250.0	247.9	
43 cis-1,2-Dichloroethene	96	5.925	5.919	0.006	80	156116	20.0	22.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2,2-Dichloropropane	77	5.949	5.949	0.000	85	207193	20.0	19.5	
44 Propionitrile	54	5.980	5.968	0.012	99	296264	150.0	176.2	
46 Methacrylonitrile	67	6.205	6.193	0.012	90	656913	150.0	150.3	
47 Chlorobromomethane	128	6.259	6.254	0.005	59	84409	20.0	22.2	
48 Tetrahydrofuran	71	6.265	6.260	0.005	87	178075	100.0	108.8	
49 Chloroform	83	6.418	6.406	0.012	92	231087	20.0	21.0	
$ 50 Dibromofluoromethane (Surr)	113	6.630	6.625	0.005	93	339476	50.0	51.6	
51 1,1,1-Trichloroethane	97	6.643	6.643	0.000	97	217294	20.0	20.3	
52 Cyclohexane	56	6.746	6.746	0.000	89	248335	20.0	22.6	
54 1,1-Dichloropropene	75	6.856	6.850	0.006	96	183816	20.0	22.6	
53 Carbon tetrachloride	117	6.862	6.856	0.006	87	192670	20.0	20.8	
55 Isobutyl alcohol	41	7.014	7.014	0.000	94	274500	500.0	521.9	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.087	7.075	0.012	89	80637	50.0	53.7	
57 Benzene	78	7.123	7.117	0.006	95	548557	20.0	22.6	
58 1,2-Dichloroethane	62	7.196	7.184	0.012	97	162540	20.0	18.2	
60 Tert-amyl methyl ether	73	7.324	7.318	0.006	99	365976	20.0	20.0	
* 61 Fluorobenzene (IS)	96	7.531	7.525	0.006	99	1264667	50.0	50.0	
62 n-Heptane	43	7.543	7.543	0.000	92	172139	20.0	20.8	
64 n-Butanol	56	7.908	7.902	0.006	89	461149	1000.0	987.5	
65 Trichloroethene	95	8.011	8.012	-0.001	96	141713	20.0	20.8	
66 Methylcyclohexane	83	8.328	8.322	0.006	90	266773	20.0	22.2	
67 1,2-Dichloropropane	63	8.346	8.340	0.006	97	133044	20.0	21.2	
68 2-ethoxy-2-methyl butane	87	8.364	8.358	0.006	95	181371	20.0	20.8	
70 1,4-Dioxane	88	8.437	8.431	0.006	63	71509	500.0	580.8	
69 Methyl methacrylate	69	8.437	8.431	0.006	97	114884	20.0	17.3	
71 Dibromomethane	93	8.462	8.450	0.012	95	94588	20.0	20.1	
73 Dichlorobromomethane	83	8.699	8.693	0.006	99	163132	20.0	19.1	
74 2-Nitropropane	41	8.979	8.967	0.012	99	48141	20.0	16.2	
75 2-Chloroethyl vinyl ether	63		9.064				ND	ND	
76 cis-1,3-Dichloropropene	75	9.259	9.253	0.006	98	190533	20.0	18.5	
77 4-Methyl-2-pentanone (MIBK)	43	9.435	9.435	0.000	95	2649456	250.0	240.3	
$ 78 Toluene-d8 (Surr)	98	9.575	9.575	0.000	93	1222129	50.0	50.6	
79 Toluene	92	9.654	9.654	0.000	98	323214	20.0	21.3	
80 trans-1,3-Dichloropropene	75	9.922	9.916	0.006	90	173850	20.0	18.7	
81 Ethyl methacrylate	69	9.989	9.983	0.006	88	188264	20.0	18.3	
119 1,1,2-Trichloroethane	97	10.129	10.123	0.006	89	123490	20.0	20.0	
120 Tetrachloroethene	166	10.220	10.214	0.006	97	154307	20.0	21.8	
121 1,3-Dichloropropane	76	10.293	10.293	0.000	88	189966	20.0	20.3	
123 2-Hexanone	43	10.348	10.348	0.000	95	1939665	250.0	248.7	
125 Chlorodibromomethane	129	10.506	10.506	0.000	89	137563	20.0	20.1	
126 Ethylene Dibromide	107	10.621	10.615	0.006	97	134435	20.0	19.8	
* 127 Chlorobenzene-d5 (IS)	117	11.059	11.060	-0.001	83	942144	50.0	50.0	
128 1-Chlorohexane	91	11.071	11.072	-0.001	95	179788	20.0	19.6	
129 Chlorobenzene	112	11.090	11.084	0.006	97	374421	20.0	20.3	
130 1,1,1,2-Tetrachloroethane	131	11.169	11.169	0.000	97	146281	20.0	21.3	
131 Ethylbenzene	91	11.175	11.175	0.000	97	635668	20.0	20.8	
133 m-Xylene & p-Xylene	106	11.291	11.291	-0.001	99	518066	40.0	42.6	
134 o-Xylene	106	11.625	11.625	0.000	95	262083	20.0	21.0	
135 Styrene	104	11.643	11.637	0.006	95	407752	20.0	20.4	
136 Bromoform	173	11.795	11.796	-0.001	97	105411	20.0	19.0	
137 Isopropylbenzene	105	11.929	11.929	0.000	95	705835	20.0	21.6	
$ 140 4-Bromofluorobenzene (Surr)	95	12.069	12.069	0.000	94	461601	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
141 1,1,2,2-Tetrachloroethane	83	12.179	12.179	0.000	93	230193	20.0	18.4	
142 Bromobenzene	156	12.191	12.191	0.000	90	173053	20.0	19.3	
143 trans-1,4-Dichloro-2-butene	53	12.203	12.203	0.000	93	193589	100.0	55.2	
144 1,2,3-Trichloropropane	110	12.221	12.221	0.000	82	68867	20.0	18.5	
145 N-Propylbenzene	91	12.258	12.258	0.000	98	799309	20.0	19.5	
146 2-Chlorotoluene	126	12.337	12.337	0.000	98	169422	20.0	18.9	
147 1,3,5-Trimethylbenzene	105	12.398	12.398	0.000	94	587189	20.0	18.9	
148 4-Chlorotoluene	126	12.428	12.428	0.000	96	168715	20.0	18.9	
150 tert-Butylbenzene	134	12.641	12.641	0.000	92	119263	20.0	20.1	
152 1,2,4-Trimethylbenzene	105	12.684	12.684	0.000	97	602057	20.0	18.6	
153 sec-Butylbenzene	105	12.805	12.806	-0.001	94	775943	20.0	19.9	
154 1,3-Dichlorobenzene	146	12.903	12.903	0.000	98	340360	20.0	19.1	
155 4-Isopropyltoluene	119	12.915	12.915	0.000	97	692747	20.0	19.7	
* 157 1,4-Dichlorobenzene-d4	152	12.957	12.958	-0.001	93	591067	50.0	50.0	
158 1,4-Dichlorobenzene	146	12.976	12.976	0.000	95	348647	20.0	20.1	
159 1,2,3-Trimethylbenzene	105	12.988	12.988	0.000	98	614225	20.0	18.7	
156 Benzyl chloride	91	13.055	13.055	0.000	98	427010	20.0	17.7	
160 1,3-Diethylbenzene	119	13.116	13.116	0.000	96	404941	20.0	19.1	
161 p-Diethylbenzene	119	13.189	13.189	0.000	94	428781	20.0	19.2	
162 n-Butylbenzene	92	13.207	13.207	0.000	96	332677	20.0	19.1	
163 1,2-Dichlorobenzene	146	13.237	13.237	0.000	99	347472	20.0	18.8	
164 o-diethylbenzene	119	13.262	13.262	0.000	93	330983	20.0	19.0	
166 1,2-Dibromo-3-Chloropropane	75	13.779	13.779	0.000	93	57119	20.0	15.4	
167 1,3,5-Trichlorobenzene	180	13.906	13.907	-0.001	98	272921	20.0	19.2	
168 1,2,4-Trichlorobenzene	180	14.332	14.332	0.000	94	259361	20.0	18.9	
169 Hexachlorobutadiene	225	14.417	14.418	-0.001	97	103364	20.0	20.3	
170 Naphthalene	128	14.515	14.515	0.000	96	848860	20.0	17.9	
171 1,2,3-Trichlorobenzene	180	14.655	14.655	0.000	96	252984	20.0	18.5	
172 2-Methylnaphthalene	142	15.269	15.269	0.000	92	450804	20.0	15.8	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_LCS_Gases_00144	Amount Added: 21.50	Units: uL	
MSV_LCS_VOC#1_00111	Amount Added: 21.50	Units: uL	
MSV_LCS_2CEVE_00117	Amount Added: 21.50	Units: uL	
MSV_LCS_ACROL_00115	Amount Added: 21.50	Units: uL	
MSV_HP23_ISSS_00010	Amount Added: 1.00	Units: uL	Run Reagent

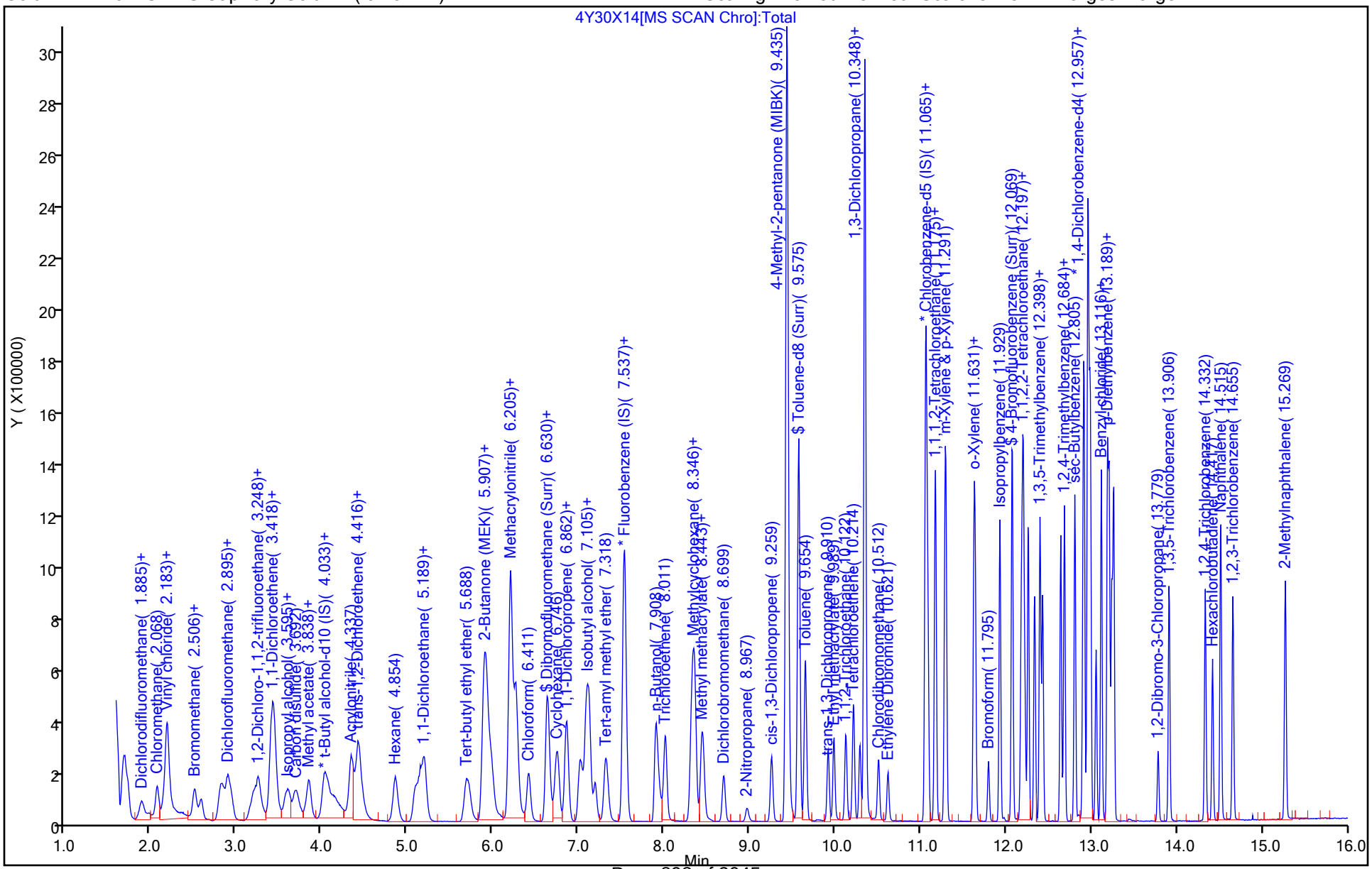
Report Date: 31-May-2023 11:05:18 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X14.D

Injection Date:	30-May-2023 14:44:30	Instrument ID:	23297	Operator ID:	lcp00895
Lims ID:	410-127407-E-3 MSD			Worklist Smp#:	15
Client ID:	FBW001-MSD_052023				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\4Y30X14.D				
Lims ID:	410-127407-E-3 MSD				
Client ID:	FBW001-MSD_052023				
Sample Type:	MSD				
Inject. Date:	30-May-2023 14:44:30	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0085281-015				
Operator ID:	lcp00895	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20230530-85281.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	31-May-2023 11:04:11	Calib Date:	05-Dec-2022 22:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20221205-72549.b\4D05X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1637				

First Level Reviewer: kaewrungrueangp Date: 31-May-2023 11:05:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	51.6	103.11
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	53.7	107.31
$ 78 Toluene-d8 (Surr)	50.0	50.6	101.12
$ 140 4-Bromofluorobenzene (Surr)	50.0	50.2	100.31

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: 23297 Start Date: 12/05/2022 16:26

Analysis Batch Number: 323735 End Date: 12/05/2022 23:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-323735/1		12/05/2022 16:26	1	4D05T03.D	R-624SilMS 30m 0.25(mm)
IC 410-323735/3		12/05/2022 17:16	1		R-624SilMS 30m 0.25(mm)
IC 410-323735/4		12/05/2022 17:38	1		R-624SilMS 30m 0.25(mm)
IC 410-323735/5		12/05/2022 18:00	1		R-624SilMS 30m 0.25(mm)
IC 410-323735/6		12/05/2022 18:23	1		R-624SilMS 30m 0.25(mm)
IC 410-323735/7		12/05/2022 18:45	1		R-624SilMS 30m 0.25(mm)
IC 410-323735/8		12/05/2022 19:08	1		R-624SilMS 30m 0.25(mm)
ICV 410-323735/10		12/05/2022 19:52	1		R-624SilMS 30m 0.25(mm)
IC 410-323735/13		12/05/2022 20:37	1	4D05X12.D	R-624SilMS 30m 0.25(mm)
IC 410-323735/12		12/05/2022 21:00	1	4D05X13.D	R-624SilMS 30m 0.25(mm)
IC 410-323735/14		12/05/2022 21:22	1	4D05X14.D	R-624SilMS 30m 0.25(mm)
IC 410-323735/15		12/05/2022 21:45	1	4D05X15.D	R-624SilMS 30m 0.25(mm)
ICIS 410-323735/16		12/05/2022 22:07	1	4D05X16.D	R-624SilMS 30m 0.25(mm)
IC 410-323735/17		12/05/2022 22:29	1	4D05X17.D	R-624SilMS 30m 0.25(mm)
IC 410-323735/18		12/05/2022 22:52	1	4D05X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-323735/20		12/05/2022 23:37	1	4D05X20.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: 23297 Start Date: 05/30/2023 09:14

Analysis Batch Number: 380934 End Date: 05/30/2023 17:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-380934/1		05/30/2023 09:14	1	4Y30T02.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-380934/3		05/30/2023 10:15	1	4Y30X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-380934/4		05/30/2023 10:37	1	4Y30X03.D	R-624SilMS 30m 0.25(mm)
LCSD 410-380934/5		05/30/2023 10:59	1	4Y30X04.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/30/2023 11:22	1		R-624SilMS 30m 0.25(mm)
MB 410-380934/7		05/30/2023 11:44	1	4Y30X06.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/30/2023 12:07	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/30/2023 12:29	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/30/2023 12:52	1		R-624SilMS 30m 0.25(mm)
410-127407-4	FB-01_052023	05/30/2023 13:14	1	4Y30X10.D	R-624SilMS 30m 0.25(mm)
410-127407-5	Trip Blank-01_052023	05/30/2023 13:36	1	4Y30X11.D	R-624SilMS 30m 0.25(mm)
410-127407-3	FBW001_052023	05/30/2023 13:59	1	4Y30X12.D	R-624SilMS 30m 0.25(mm)
410-127407-3 MS	FBW001-MS_052023 MS	05/30/2023 14:21	1	4Y30X13.D	R-624SilMS 30m 0.25(mm)
410-127407-3 MSD	FBW001-MSD_052023 MSD	05/30/2023 14:44	1	4Y30X14.D	R-624SilMS 30m 0.25(mm)
410-127407-1	FBS010_052023	05/30/2023 15:06	1	4Y30X15.D	R-624SilMS 30m 0.25(mm)
410-127407-2	Dup-01_052023	05/30/2023 15:29	1	4Y30X16.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/30/2023 15:51	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/30/2023 16:14	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/30/2023 16:36	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/30/2023 16:59	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/30/2023 17:21	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 323735 Batch Start Date: 12/05/22 16:26 Batch Analyst: Pape, Linda C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEtOH 00469	MSV_CCV_2CEVE 00096	MSV_CCV_CYC 00004
BFB 410-323735/1		8260C		1 uL	1 uL				
IC 410-323735/12		8260C		5 mL	5 mL	2663	12.5 mL		
IC 410-323735/13		8260C		5 mL	5 mL	2663		4 uL	32 uL
IC 410-323735/14		8260C		5 mL	5 mL	2663		2 uL	8 uL
IC 410-323735/15		8260C		5 mL	5 mL	2663		4 uL	16 uL
ICIS 410-323735/16		8260C		5 mL	5 mL	2663		5 uL	10 uL
IC 410-323735/17		8260C		5 mL	5 mL	2663		5 uL	10 uL
IC 410-323735/18		8260C		5 mL	5 mL	2663		15 uL	30 uL
ICV 410-323735/20		8260C		5 mL	5 mL	2663			

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_ETOH 00003	MSV_CCV_GASES 00321	MSV_CCV_VOC#1 00100	MSV_CCV_VOC#3 00100	MSV_HP4_ISSS 00016	MSV_LCS_2CEVE 00090
BFB 410-323735/1		8260C							
IC 410-323735/12		8260C						1 uL	
IC 410-323735/13		8260C		20 uL	2 uL	4 uL	3.2 uL	1 uL	
IC 410-323735/14		8260C		8 uL	1 uL	2 uL	1.6 uL	1 uL	
IC 410-323735/15		8260C		16 uL	2 uL	4 uL	3.2 uL	1 uL	
ICIS 410-323735/16		8260C		10 uL	2.5 uL	5 uL	4 uL	1 uL	
IC 410-323735/17		8260C		10 uL	2.5 uL	5 uL	4 uL	1 uL	
IC 410-323735/18		8260C		30 uL	7.5 uL	15 uL	12 uL	1 uL	
ICV 410-323735/20		8260C						1 uL	50 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 323735 Batch Start Date: 12/05/22 16:26 Batch Analyst: Pape, Linda C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_ACROL 00087	MSV_LCS_CYC 00002	MSV_LCS_ETOH 00003	MSV_LCS_Gases 00117	MSV_LCS_VOC#1 00085	MSV_V_BFB 00008
BFB 410-323735/1		8260C							1 uL
IC 410-323735/12		8260C							
IC 410-323735/13		8260C							
IC 410-323735/14		8260C							
IC 410-323735/15		8260C							
ICIS 410-323735/16		8260C							
IC 410-323735/17		8260C							
IC 410-323735/18		8260C							
ICV 410-323735/20		8260C		50 uL	50 uL	50 uL	50 uL	50 uL	

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 380934 Batch Start Date: 05/30/23 09:14 Batch Analyst: Pape, Linda C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-380934/1		8260C		1 uL	1 uL				
CCVIS 410-380934/3		8260C		5 mL	5 mL				2692
LCS 410-380934/4		8260C		5 mL	5 mL				2692
LCSD 410-380934/5		8260C		5 mL	5 mL				2692
MB 410-380934/7		8260C		5 mL	5 mL				2692
410-127407-E-4	FB-01_052023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-127407-A-5	Trip Blank-01_052023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-127407-E-3	FBW001_052023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-127407-E-3 MS	FBW001-MS_052023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-127407-E-3 MSD	FBW001-MSD_052023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-127407-E-1	FBS010_052023	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-127407-E-2	Dup-01_052023	8260C	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_2CEVE_00122	MSV_CCV_GASES_00486	MSV_CCV_VOC#1_00127	MSV_CCV_VOC#3_00127	MSV_HP23_ISSS_00010	MSV_LCS_2CEVE_00117
BFB 410-380934/1		8260C							
CCVIS 410-380934/3		8260C		15 uL	7.5 uL	15 uL	12 uL	1 uL	
LCS 410-380934/4		8260C						1 uL	50 uL
LCSD 410-380934/5		8260C						1 uL	50 uL
MB 410-380934/7		8260C						1 uL	
410-127407-E-4	FB-01_052023	8260C	T					1 uL	
410-127407-A-5	Trip Blank-01_052023	8260C	T					1 uL	
410-127407-E-3	FBW001_052023	8260C	T					1 uL	
410-127407-E-3 MS	FBW001-MS_052023	8260C	T					1 uL	21.5 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 380934 Batch Start Date: 05/30/23 09:14 Batch Analyst: Pape, Linda C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_2CEVE 00122	MSV_CCV_GASES 00486	MSV_CCV_VOC#1 00127	MSV_CCV_VOC#3 00127	MSV_HP23_ISSS 00010	MSV_LCS_2CEVE 00117
410-127407-E-3 MSD	FBW001-MSD_052023	8260C	T					1 uL	21.5 uL
410-127407-E-1	FBS010_052023	8260C	T					1 uL	
410-127407-E-2	Dup-01_052023	8260C	T					1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_ACROL 00115	MSV_LCS_Gases 00144	MSV_LCS_VOC#1 00111	MSV_V_BFB 00011		
BFB 410-380934/1		8260C					1 uL		
CCVIS 410-380934/3		8260C							
LCS 410-380934/4		8260C		50 uL	50 uL	50 uL			
LCSD 410-380934/5		8260C		50 uL	50 uL	50 uL			
MB 410-380934/7		8260C							
410-127407-E-4	FB-01_052023	8260C	T						
410-127407-A-5	Trip Blank-01_052023	8260C	T						
410-127407-E-3	FBW001_052023	8260C	T						
410-127407-E-3 MS	FBW001-MS_052023	8260C	T	21.5 uL	21.5 uL	21.5 uL			
410-127407-E-3 MSD	FBW001-MSD_052023	8260C	T	21.5 uL	21.5 uL	21.5 uL			
410-127407-E-1	FBS010_052023	8260C	T						
410-127407-E-2	Dup-01_052023	8260C	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-127407-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 20m ID: 0.18(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
FBS010_052023	410-127407-1	29	18	46	57	64	79
FBS010_052023 RE	410-127407-1 RE	51	30	71	71	85	74
Dup-01_052023	410-127407-2	6 S1-	4 S1-	12 S1-	20 S1-	19	28 S1-
Dup-01_052023 RE	410-127407-2 RE	42	28	59	68	75	79
FBW001_052023	410-127407-3	29	19	32	40 S1-	54	68
FBW001_052023 RE	410-127407-3 RE	47	28	61	63	86	93
FB-01_052023	410-127407-4	28	18	46	59	58	82
FB-01_052023 RE	410-127407-4 RE	45	31	64	67	80	96
	MB 410-380068/1-A	27	18	35	48	53	73
	MB 410-382042/1-A	35	24	56	58	77	82
	LCS 410-380068/2-A	38	26	38	50	63	69
	LCS 410-382042/2-A	57	41	66	70	91	92
	LCSD 410-380068/3-A	44	32	38	48	69	79
	LCSD 410-382042/3-A	50	34	61	65	91	83
FBW001-MS_052023 MS	410-127407-3 MS	35	25	54	69	64	77
FBW001-MS_052023 MS RE	410-127407-3 MS RE	56	38	67	70	98	94
FBW001-MSD_052023 MSD	410-127407-3 MSD	42	28	53	65	67	79
FBW001-MSD_052023 MSD RE	410-127407-3 MSD RE	49	33	63	66	87	90

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	10-120
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	31-120
FBP = 2-Fluorobiphenyl (Surr)	44-120
TBP = 2,4,6-Tribromophenol (Surr)	13-138
TPHd14 = p-Terphenyl-d14 (Surr)	30-125

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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LE2605.D

Lab ID: LCS 410-380068/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	50.0	30	59	62-120	*-
2,4-Dinitrophenol	100	79	79	36-147	
2-Chlorophenol	50.0	34	69	57-120	
Carbazole	50.0	34	67	65-135	
Phenol	50.0	16	33	22-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DF0154.D

Lab ID: LCS 410-382042/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	50.0	42	83	62-120	
2,4-Dinitrophenol	100	81	81	36-147	
2-Chlorophenol	50.0	41	82	57-120	
Carbazole	50.0	49	99	65-135	
Phenol	50.0	28	55	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LE2606.D

Lab ID: LCSD 410-380068/3-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	33	65	10	20	62-120	
2,4-Dinitrophenol	100	91	91	15	20	36-147	
2-Chlorophenol	50.0	35	70	3	20	57-120	
Carbazole	50.0	33	65	3	20	65-135	
Phenol	50.0	20	40	21	20	22-120	*1

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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DF0155.D

Lab ID: LCSD 410-382042/3-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	37	75	11	20	62-120	
2,4-Dinitrophenol	100	83	83	2	20	36-147	
2-Chlorophenol	50.0	39	78	5	20	57-120	
Carbazole	50.0	46	91	8	20	65-135	
Phenol	50.0	24	48	15	20	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LE2616.D

Lab ID: 410-127407-3 MS Client ID: FBW001-MS_052023 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	50.6	ND	35	69	62-120	
2,4-Dinitrophenol	101	ND	76	75	36-147	
2-Chlorophenol	50.6	ND	33	64	57-120	
Carbazole	50.6	ND	51	100	65-135	
Phenol	50.6	ND	16	31	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DF0165.D

Lab ID: 410-127407-3 MS RE Client ID: FBW001-MS_052023 MS RE

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	51.1	ND	43	83	62-120	H
2,4-Dinitrophenol	102	ND	83	81	36-147	H
2-Chlorophenol	51.1	ND	45	88	57-120	H
Carbazole	51.1	ND	51	99	65-135	H
Phenol	51.1	ND	27	52	22-120	H

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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LE2617.D

Lab ID: 410-127407-3 MSD Client ID: FBW001-MSD_052023 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dimethylphenol	50.8	35	70	1	20	62-120	
2,4-Dinitrophenol	102	75	74	1	20	36-147	
2-Chlorophenol	50.8	36	71	10	20	57-120	
Carbazole	50.8	45	88	12	20	65-135	
Phenol	50.8	18	36	14	20	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DF0166.D

Lab ID: 410-127407-3 MSD RE Client ID: FBW001-MSD_052023 MSD RE

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dimethylphenol	50.9	38	74	13	20	62-120	H
2,4-Dinitrophenol	102	69	68	18	20	36-147	H
2-Chlorophenol	50.9	38	75	17	20	57-120	H
Carbazole	50.9	50	99	1	20	65-135	H
Phenol	50.9	23	45	14	20	22-120	H

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.: 410-127407-1

SDG No.:

Lab File ID: LE2604.D Lab Sample ID: MB 410-380068/1-A

Matrix: Water Date Extracted: 05/25/2023 15:30

Instrument ID: HP20296 Date Analyzed: 05/26/2023 11:38

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-380068/2-A	LE2605.D	05/26/2023 11:58
	LCSD 410-380068/3-A	LE2606.D	05/26/2023 12:17
FBS010_052023	410-127407-1	LE2613.D	05/26/2023 14:32
Dup-01_052023	410-127407-2	LE2614.D	05/26/2023 14:51
FBW001_052023	410-127407-3	LE2615.D	05/26/2023 15:10
FBW001-MS_052023 MS	410-127407-3 MS	LE2616.D	05/26/2023 15:30
FBW001-MSD_052023 MSD	410-127407-3 MSD	LE2617.D	05/26/2023 15:49
FB-01_052023	410-127407-4	LE2618.D	05/26/2023 16:08

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: DF0153.D Lab Sample ID: MB 410-382042/1-A

Matrix: Water Date Extracted: 06/01/2023 15:50

Instrument ID: HP19760 Date Analyzed: 06/01/2023 21:54

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-382042/2-A	DF0154.D	06/01/2023 22:14
	LCSD 410-382042/3-A	DF0155.D	06/01/2023 22:35
FBS010_052023 RE	410-127407-1 RE	DF0162.D	06/02/2023 00:56
Dup-01_052023 RE	410-127407-2 RE	DF0163.D	06/02/2023 01:16
FBW001_052023 RE	410-127407-3 RE	DF0164.D	06/02/2023 01:36
FBW001-MS_052023 MS RE	410-127407-3 MS RE	DF0165.D	06/02/2023 01:56
FBW001-MSD_052023 MSD RE	410-127407-3 MSD RE	DF0166.D	06/02/2023 02:17
FB-01_052023 RE	410-127407-4 RE	DF0167.D	06/02/2023 02:37

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: DC2310.D DFTPP Injection Date: 03/23/2023

Instrument ID: HP19760 DFTPP Injection Time: 13:13

Analysis Batch No.: 356566

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2% of m/z 69	0.8 (1.6) 1
69	Present	52.1
70	Less than 2% of m/z 69	0.3 (0.5) 1
197	Less than 2% of m/z 198	1.0
198	Base Peak	100.0
199	5-9% of m/z 198	6.5
365	Greater than 1% of Base Peak	2.6
441	Less than 150% of m/z 443	10.4 (79.4) 3
442	Present	68.7
443	15-24% of m/z 442	13.1 (19.1) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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 410-356566/2	DC2311.D	03/23/2023	13:34
	IC 410-356566/3	DC2312.D	03/23/2023	13:56
	IC 410-356566/5	DC2313.D	03/23/2023	14:18
	IC 410-356566/6	DC2314.D	03/23/2023	14:40
	IC 410-356566/7	DC2315.D	03/23/2023	15:02
	IC 410-356566/8	DC2316.D	03/23/2023	15:24
	IC 410-356566/9	DC2317.D	03/23/2023	15:46
	IC 410-356566/4	DC2318.D	03/23/2023	16:08
	ICV 410-356566/12	DC2321.D	03/23/2023	17:14
	ICV 410-356566/13	DC2322.D	03/23/2023	17:36
	ICV 410-356566/14	DC2323.D	03/23/2023	18:00
	ICV 410-356566/15	DC2324.D	03/23/2023	18:22

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: DC2350.D DFTPP Injection Date: 03/23/2023

Instrument ID: HP19760 DFTPP Injection Time: 19:38

Analysis Batch No.: 356912

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of m/z 69	0.9	(1.7) 1
69	Present	54.4	
70	Less than 2% of m/z 69	0.1	(0.2) 1
197	Less than 2% of m/z 198	0.4	
198	Base Peak	100.0	
199	5-9% of m/z 198	6.9	
365	Greater than 1% of Base Peak	2.5	
441	Less than 150% of m/z 443	10.7	(78.5) 3
442	Present	67.6	
443	15-24% of m/z 442	13.6	(20.1) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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 410-356912/17	DC2367.D	03/24/2023	2:20

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: DF0150.D DFTPP Injection Date: 06/01/2023

Instrument ID: HP19760 DFTPP Injection Time: 20:48

Analysis Batch No.: 382151

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of m/z 69	0.6	(1.3) 1
69	Present	46.9	
70	Less than 2% of m/z 69	0.0	(0.0) 1
197	Less than 2% of m/z 198	0.0	
198	Base Peak	100.0	
199	5-9% of m/z 198	7.1	
365	Greater than 1% of Base Peak	2.7	
441	Less than 150% of m/z 443	12.4	(79.2) 3
442	Present	79.7	
443	15-24% of m/z 442	15.7	(19.7) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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 410-382151/2	DF0151.D	06/01/2023	21:03
	MB 410-382042/1-A	DF0153.D	06/01/2023	21:54
	LCS 410-382042/2-A	DF0154.D	06/01/2023	22:14
	LCSD 410-382042/3-A	DF0155.D	06/01/2023	22:35
FBS010_052023 RE	410-127407-1 RE	DF0162.D	06/02/2023	0:56
Dup-01_052023 RE	410-127407-2 RE	DF0163.D	06/02/2023	1:16
FBW001_052023 RE	410-127407-3 RE	DF0164.D	06/02/2023	1:36
FBW001-MS_052023 MS RE	410-127407-3 MS RE	DF0165.D	06/02/2023	1:56
FBW001-MSD_052023 MSD RE	410-127407-3 MSD RE	DF0166.D	06/02/2023	2:17
FB-01_052023 RE	410-127407-4 RE	DF0167.D	06/02/2023	2:37

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: LL2750b.D DFTPP Injection Date: 12/27/2022

Instrument ID: HP20296 DFTPP Injection Time: 17:57

Analysis Batch No.: 330490

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	71.2	
68	Less than 2% of mass 69	1.3	(1.7) 1
69	Mass 69 Relative abundance	77.7	
70	Less than 2% of mass 69	0.3	(0.4) 1
127	10-80% of Base Peak	57.5	
197	Less than 2% of mass 198	0.8	
198	Base peak	100.0	
199	5-9% of mass 198	6.9	
275	10-60% of Base Peak	24.5	
365	Greater than 1% of mass 198	3.0	
441	present but less than 24% of mass 442	14.3	(15.4) 2
442	Greater than 50% of mass 198	92.8	
443	15-24% of mass 442	17.3	(18.6) 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 410-330490/2	LL2751b.D	12/27/2022	18:32
	IC 410-330490/3	LL2752.D	12/27/2022	19:08
	IC 410-330490/4	LL2753.D	12/27/2022	19:29
	IC 410-330490/5	LL2754.D	12/27/2022	19:50
	IC 410-330490/6	LL2755.D	12/27/2022	20:11
	IC 410-330490/7	LL2756.D	12/27/2022	20:32
	IC 410-330490/8	LL2757.D	12/27/2022	20:53
	IC 410-330490/9	LL2758.D	12/27/2022	21:14
	ICV 410-330490/12	LL2761.D	12/27/2022	22:17
	ICV 410-330490/13	LL2762.D	12/27/2022	22:38
	ICV 410-330490/15	LL2764.D	12/27/2022	23:21

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: LE2600.D DFTPP Injection Date: 05/26/2023

Instrument ID: HP20296 DFTPP Injection Time: 09:12

Analysis Batch No.: 380338

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	52.5	
68	Less than 2% of mass 69	0.8	(1.5) 1
69	Mass 69 Relative abundance	50.0	
70	Less than 2% of mass 69	0.2	(0.4) 1
127	10-80% of Base Peak	47.8	
197	Less than 2% of mass 198	0.5	
198	Base peak	100.0	
199	5-9% of mass 198	6.9	
275	10-60% of Base Peak	22.6	
365	Greater than 1% of mass 198	2.1	
441	present but less than 24% of mass 442	13.6	(14.6) 2
442	Greater than 50% of mass 198	93.1	
443	15-24% of mass 442	19.0	(20.4) 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 410-380338/2	LE2601.D	05/26/2023	9:37
	MB 410-380068/1-A	LE2604.D	05/26/2023	11:38
	LCS 410-380068/2-A	LE2605.D	05/26/2023	11:58
	LCSD 410-380068/3-A	LE2606.D	05/26/2023	12:17
FBS010_052023	410-127407-1	LE2613.D	05/26/2023	14:32
Dup-01_052023	410-127407-2	LE2614.D	05/26/2023	14:51
FBW001_052023	410-127407-3	LE2615.D	05/26/2023	15:10
FBW001-MS_052023 MS	410-127407-3 MS	LE2616.D	05/26/2023	15:30
FBW001-MSD_052023 MSD	410-127407-3 MSD	LE2617.D	05/26/2023	15:49
FB-01_052023	410-127407-4	LE2618.D	05/26/2023	16:08

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Sample No.: ICIS 410-356566/2 Date Analyzed: 03/23/2023 13:34

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DC2311.D Heated Purge: (Y/N) N

Calibration ID: 48596

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		192517	4.59	711517	5.80	394814	7.46
UPPER LIMIT		385034	5.09	1423034	6.30	789628	7.96
LOWER LIMIT		96259	4.09	355759	5.30	197407	6.96
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-356566/12		199616	4.59	728907	5.80	413430	7.46
ICV 410-356566/13		220983	4.59	799996	5.80	439363	7.46
ICV 410-356566/14		150974	4.59	538664	5.80	295009	7.46
ICV 410-356566/15		153438	4.59	552674	5.80	295675	7.46
CCVIS 410-382151/2		168114	4.25	613253	5.47	366472	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.: 410-127407-1

SDG No.:

Sample No.: ICIS 410-356566/2 Date Analyzed: 03/23/2023 13:34

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DC2311.D Heated Purge: (Y/N) N

Calibration ID: 48596

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		755591	8.87	779979	10.22	651289	13.52
UPPER LIMIT		1511182	9.37	1559958	10.72	1302578	14.02
LOWER LIMIT		377796	8.37	389990	9.72	325645	13.02
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-356566/12		785961	8.87	822597	10.22	691313	13.52
ICV 410-356566/13		836377	8.87	846007	10.22	682309	13.52
ICV 410-356566/14		522652	8.87	514888	10.22	388304	13.52
ICV 410-356566/15		541069	8.87	542003	10.22	407670	13.52
CCVIS 410-382151/2		652025	8.54	649380	9.88	499209	12.98*3

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-382151/2 Date Analyzed: 06/01/2023 21:03

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DF0151.D Heated Purge: (Y/N) N

Calibration ID: 49080

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		168114	4.25	613253	5.47	366472	7.13
UPPER LIMIT		336228	4.75	1226506	5.97	732944	7.63
LOWER LIMIT		84057	3.75	306627	4.97	183236	6.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-382042/1-A		158337	4.25	580772	5.47	330197	7.13
LCS 410-382042/2-A		158914	4.25	582699	5.46	336795	7.13
LCSD 410-382042/3-A		169617	4.25	624484	5.46	343099	7.13
410-127407-1 RE	FBS010_052023 RE	145049	4.25	527617	5.46	294210	7.13
410-127407-2 RE	Dup-01_052023 RE	181348	4.25	670292	5.46	356210	7.13
410-127407-3 RE	FBW001_052023 RE	150551	4.25	553000	5.46	311190	7.13
410-127407-3 MS RE	FBW001-MS_052023 MS RE	134773	4.25	504524	5.46	285673	7.13
410-127407-3 MSD RE	FBW001-MSD_052023 MSD RE	137005	4.25	514059	5.46	292939	7.13
410-127407-4 RE	FB-01_052023 RE	143135	4.25	523664	5.46	291367	7.13

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
NPT = Naphthalene-d8
Area Limit = 50%-200% of internal standard area
ANT = Acenaphthene-d10
RT Limit = ± 0.5 minutes of internal standard RT
ANT = Acenaphthene-d10
# 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.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-382151/2 Date Analyzed: 06/01/2023 21:03

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DF0151.D Heated Purge: (Y/N) N

Calibration ID: 49080

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		652025	8.54	649380	9.88	499209	12.98*3
UPPER LIMIT		1304050	9.04	1298760	10.38	998418	13.48
LOWER LIMIT		326013	8.04	324690	9.38	249605	12.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-382042/1-A		637154	8.54	637900	9.88	487761	12.98
LCS 410-382042/2-A		572510	8.53	533939	9.88	353439	12.98
LCSD 410-382042/3-A		600256	8.53	555916	9.88	367384	12.98
410-127407-1 RE	FBS010_052023 RE	525383	8.53	502526	9.88	356837	12.98
410-127407-2 RE	Dup-01_052023 RE	651736	8.53	620155	9.88	399606	12.98
410-127407-3 RE	FBW001_052023 RE	546290	8.53	508419	9.88	318344	12.98
410-127407-3 MS RE	FBW001-MS_052023 MS RE	515257	8.53	485225	9.88	325715	12.98
410-127407-3 MSD RE	FBW001-MSD_052023 MSD RE	518814	8.53	498945	9.88	358702	12.98
410-127407-4 RE	FB-01_052023 RE	540149	8.53	512608	9.88	328507	12.98

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PYR10 = Pyrene-d10 (IS)
Area Limit = 50%-200% of internal standard area
PRY = Perylene-d12
RT Limit = ± 0.5 minutes of internal standard RT
PRY = Perylene-d12
# Column used to flag values outside QC limits

*3=ISTD response or retention time outside acceptable limits.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Sample No.: ICIS 410-330490/2 Date Analyzed: 12/27/2022 18:32

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LL2751b.D Heated Purge: (Y/N) N

Calibration ID: 45548

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		185070	4.47	822941	5.69	471811	7.35
UPPER LIMIT		370140	4.97	1645882	6.19	943622	7.85
LOWER LIMIT		92535	3.97	411471	5.19	235906	6.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-330490/12		267671	4.47	1143069	5.69	663383	7.35
ICV 410-330490/13		292965	4.47	1174198	5.69	684906	7.35
ICV 410-330490/15		203226	4.47	819910	5.69	478257	7.35
CCVIS 410-380338/2		227522	3.89*3	940852	5.12*3	551479	6.79*3

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

*3=ISTD response or retention time outside acceptable limits.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Sample No.: ICIS 410-330490/2 Date Analyzed: 12/27/2022 18:32

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LL2751b.D Heated Purge: (Y/N) N

Calibration ID: 45548

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		903262	8.76	908497	10.11	763094	13.33
UPPER LIMIT		1806524	9.26	1816994	10.61	1526188	13.83
LOWER LIMIT		451631	8.26	454249	9.61	381547	12.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-330490/12		1251900	8.76	1215983	10.11	997361	13.33
ICV 410-330490/13		1336909	8.76	1285989	10.10	1000781	13.33
ICV 410-330490/15		913396	8.76	877400	10.10	701055	13.32
CCVIS 410-380338/2		1006901	8.19*3	1031528	9.53*3	731607	12.44*3

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-380338/2 Date Analyzed: 05/26/2023 09:37

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LE2601.D Heated Purge: (Y/N) N

Calibration ID: 49047

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		227522	3.89*3	940852	5.12*3	551479	6.79*3
UPPER LIMIT		455044	4.39	1881704	5.62	1102958	7.29
LOWER LIMIT		113761	3.39	470426	4.62	275740	6.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-380068/1-A		157653	3.88	581306	5.12	333688	6.79
LCS 410-380068/2-A		164612	3.89	639950	5.12	371696	6.79
LCSD 410-380068/3-A		172325	3.89	667372	5.12	385728	6.79
410-127407-1	FBS010_052023	193745	3.89	720740	5.12	424146	6.79
410-127407-2	Dup-01_052023	171594	3.89	625493	5.12	373136	6.79
410-127407-3	FBW001_052023	178806	3.89	672241	5.12	380793	6.79
410-127407-3 MS	FBW001-MS_052023 MS	175967	3.89	668425	5.12	393790	6.79
410-127407-3 MSD	FBW001-MSD_052023 MSD	153832	3.89	588538	5.12	345073	6.79
410-127407-4	FB-01_052023	161345	3.89	623554	5.12	363696	6.79

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
NPT = Naphthalene-d8
Area Limit = 50%-200% of internal standard area
ANT = Acenaphthene-d10
RT Limit = ± 0.5 minutes of internal standard RT
ANT = Acenaphthene-d10
# Column used to flag values outside QC limits

*3=ISTD response or retention time outside acceptable limits.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-380338/2 Date Analyzed: 05/26/2023 09:37

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LE2601.D Heated Purge: (Y/N) N

Calibration ID: 49047

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1006901	8.19*3	1031528	9.53*3	731607	12.44*3
UPPER LIMIT		2013802	8.69	2063056	10.03	1463214	12.94
LOWER LIMIT		503451	7.69	515764	9.03	365804	11.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-380068/1-A		640631	8.19	634680	9.53	425980	12.44
LCS 410-380068/2-A		680442	8.19	645787	9.53	466191	12.43
LCSD 410-380068/3-A		712891	8.19	674452	9.53	492010	12.43
410-127407-1	FBS010_052023	821330	8.19	796537	9.53	548427	12.43
410-127407-2	Dup-01_052023	715962	8.19	668781	9.53	471394	12.43
410-127407-3	FBW001_052023	741138	8.19	732467	9.53	505631	12.43
410-127407-3 MS	FBW001-MS_052023 MS	705879	8.19	668796	9.53	499846	12.43
410-127407-3 MSD	FBW001-MSD_052023 MSD	635458	8.19	611538	9.53	459519	12.43
410-127407-4	FB-01_052023	700180	8.19	677045	9.53	460194	12.43

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PYR10 = Pyrene-d10 (IS)
Area Limit = 50%-200% of internal standard area
PRY = Perylene-d12
RT Limit = ± 0.5 minutes of internal standard RT
PRY = Perylene-d12
# 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.: 410-127407-1

SDG No.:

Client Sample ID: FBS010_052023
Lab Sample ID: 410-127407-1

Matrix: Water
Lab File ID: LE2613.D

Analysis Method: 8270D
Date Collected: 05/18/2023 11:00

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:30

Sample wt/vol: 249.2(mL)
Date Analyzed: 05/26/2023 14:32

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 380338
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		2	0.5
86-74-8	Carbazole	ND		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)	64		13-138
321-60-8	2-Fluorobiphenyl (Surr)	57		44-120
367-12-4	2-Fluorophenol (Surr)	29		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	46		31-120
4165-62-2	Phenol-d5 (Surr)	18		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	79		30-125

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2613.D
Lims ID: 410-127407-A-1-B
Client ID: FBS010_052023
Sample Type: Client
Inject. Date: 26-May-2023 14:32:19 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-1-B
Misc. Info.: 410-0085126-013
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 17:58:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.647	2.653	-0.006	97	902907	14.6	
$ 16 Phenol-d5	99	3.573	3.567	0.006	98	867933	9.18	
17 Phenol	94		3.583				ND	7
20 2-Chlorophenol	128		3.690				ND	7
* 24 1,4-Dichlorobenzene-d4	152	3.888	3.888	0.000	96	193745	5.00	
$ 41 Nitrobenzene-d5	82	4.434	4.434	0.000	92	970834	11.5	
48 2,4-Dimethylphenol	107		4.829				ND	7
* 55 Naphthalene-d8	136	5.124	5.124	0.000	99	720740	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.172	6.172	0.000	100	1633565	14.2	
* 92 Acenaphthene-d10	164	6.792	6.792	0.000	94	424146	5.00	
94 2,4-Dinitrophenol	184		6.878				ND	
$ 113 2,4,6-Tribromophenol	330	7.541	7.547	-0.006	90	578436	31.9	
* 127 Phenanthrene-d10	188	8.188	8.194	-0.006	97	821330	5.00	
131 Carbazole	167		8.429				ND	7
* 140 Pyrene-d10 (IS)	212	9.526	9.531	-0.005	97	796537	5.00	
$ 142 p-Terphenyl-d14	244	9.718	9.718	-0.005	97	2651619	19.8	
* 159 Perylene-d12	264	12.430	12.435	-0.005	97	548427	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

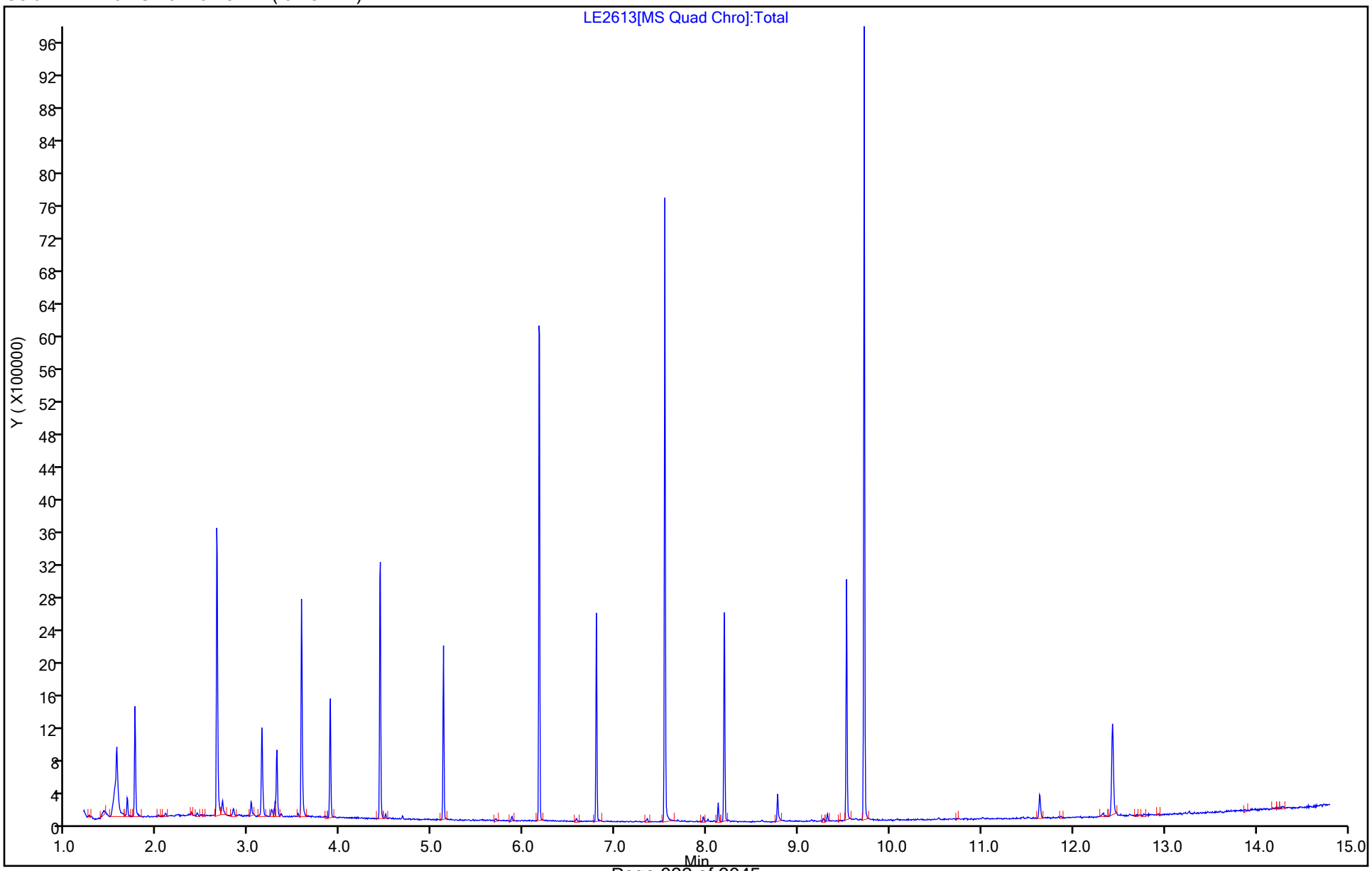
Report Date: 26-May-2023 20:56:24 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2613.D

Injection Date:	26-May-2023 14:32:19	Instrument ID:	HP20296	Operator ID:	msl46741
Lims ID:	410-127407-A-1-B	Lab Sample ID:	410-127407-1	Worklist Smp#:	13
Client ID:	FBS010_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2613.D
Lims ID: 410-127407-A-1-B
Client ID: FBS010_052023
Sample Type: Client
Inject. Date: 26-May-2023 14:32:19 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-1-B
Misc. Info.: 410-0085126-013
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 17:58:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	14.6	29.29
$ 16 Phenol-d5	50.0	9.18	18.35
$ 41 Nitrobenzene-d5	25.0	11.5	45.84
$ 76 2-Fluorobiphenyl (Surr)	25.0	14.2	56.81
$ 113 2,4,6-Tribromophenol	50.0	31.9	63.78
$ 142 p-Terphenyl-d14	25.0	19.8	79.09

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBS010_052023 RE
Lab Sample ID: 410-127407-1 RE

Matrix: Water
Lab File ID: DF0162.D

Analysis Method: 8270D
Date Collected: 05/18/2023 11:00

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:50

Sample wt/vol: 249.2(mL)
Date Analyzed: 06/02/2023 00:56

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.: 382151
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	*2,4-Dimethylphenol*	*ND*	*H*	*10*	*3*
51-28-5	*2,4-Dinitrophenol*	*ND*	*H*	*30*	*10*
95-57-8	*2-Chlorophenol*	*ND*	*H*	*2*	*0.5*
86-74-8	*Carbazole*	*ND*	*H*	*2*	*0.5*
108-95-2	*Phenol*	*ND*	*H*	*2*	*0.5*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	85		13-138
321-60-8	2-Fluorobiphenyl (Surr)	71		44-120
367-12-4	2-Fluorophenol (Surr)	51		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	71		31-120
4165-62-2	Phenol-d5 (Surr)	30		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	74		30-125

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0162.D				
Lims ID:	410-127407-B-1-A RE				
Client ID:	FBS010_052023				
Sample Type:	Client				
Inject. Date:	02-Jun-2023 00:56:24	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-B-1-A				
Misc. Info.:	410-0085584-013				
Operator ID:	mem41592	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	02-Jun-2023 12:12:53	Calib Date:	10-Apr-2023 21:02:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1616				
First Level Reviewer: AH7C		Date:	02-Jun-2023 11:38:41		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.999	2.999	0.000	94	1073247	25.3	
$ 16 Phenol-d5	99	3.891	3.891	0.000	96	920218	15.1	
17 Phenol	94		3.908				ND	7
20 2-Chlorophenol	128		4.042				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	97	145049	5.00	
$ 39 Nitrobenzene-d5	82	4.771	4.772	-0.006	88	979266	17.7	
45 2,4-Dimethylphenol	107		5.150				ND	
* 50 Naphthalene-d8	136	5.459	5.464	-0.005	100	527617	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.496	6.496	0.000	100	1476452	17.6	
* 90 Acenaphthene-d10	164	7.126	7.131	-0.005	94	294210	5.00	
92 2,4-Dinitrophenol	184		7.201				ND	
$ 109 2,4,6-Tribromophenol	330	7.877	7.878	-0.001	92	431184	42.6	
* 126 Phenanthrene-d10	188	8.530	8.536	-0.006	97	525383	5.00	
130 Carbazole	167		8.764				ND	
* 149 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	99	502526	5.00	
$ 152 p-Terphenyl-d14	244	10.057	10.058	-0.006	97	1539542	18.6	
* 170 Perylene-d12	264	12.977	12.983	-0.006	98	356837	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

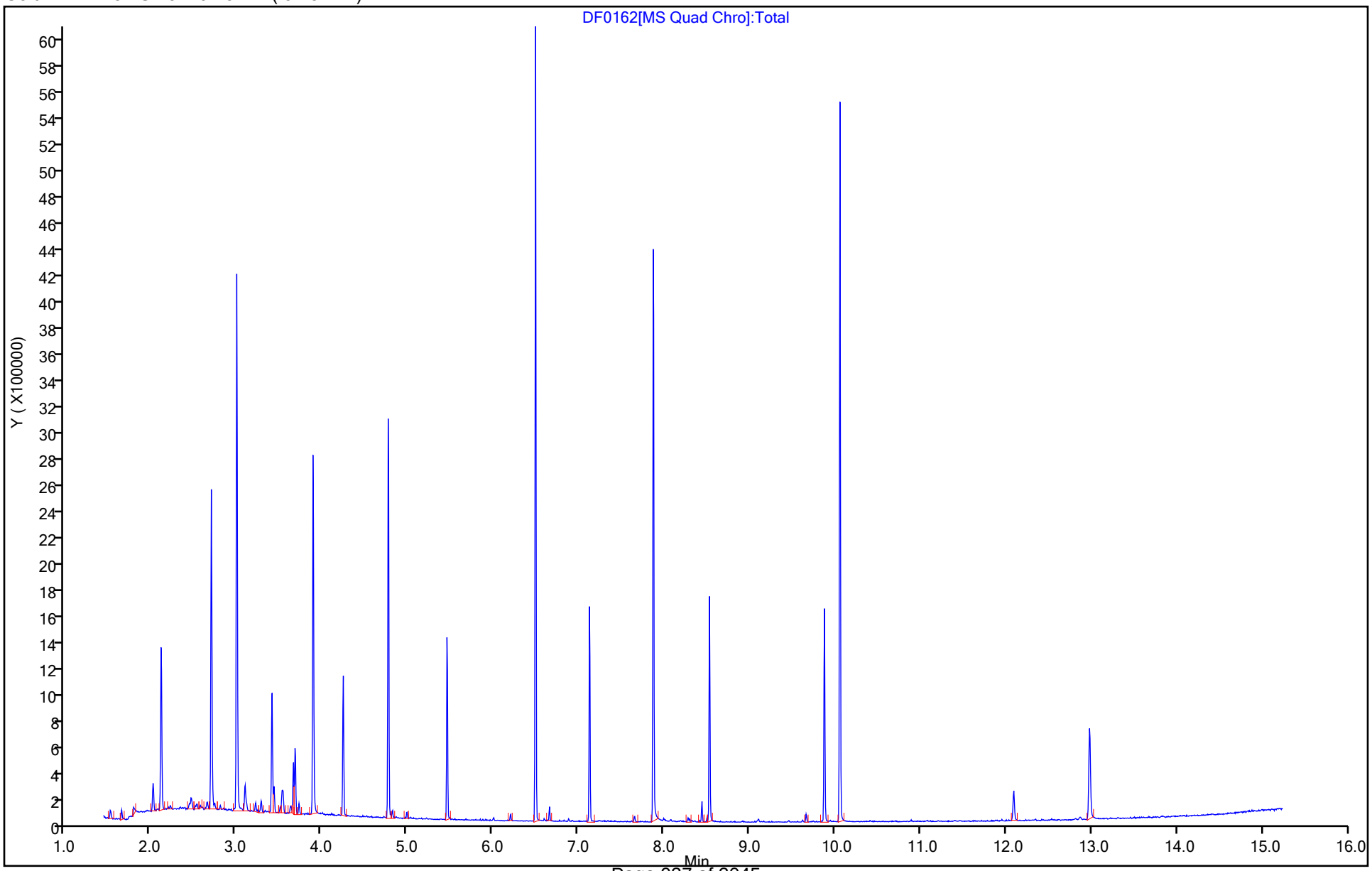
Report Date: 02-Jun-2023 12:13:30 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0162.D

Injection Date:	02-Jun-2023 00:56:24	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-127407-B-1-A RE	Lab Sample ID:	410-127407-1	Worklist Smp#:	13
Client ID:	FBS010_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
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\20230601-85584.b\DF0162.D				
Lims ID:	410-127407-B-1-A RE				
Client ID:	FBS010_052023				
Sample Type:	Client				
Inject. Date:	02-Jun-2023 00:56:24	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-B-1-A				
Misc. Info.:	410-0085584-013				
Operator ID:	mem41592	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	02-Jun-2023 12:12:53	Calib Date:	10-Apr-2023 21:02:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1616				

First Level Reviewer: AH7C Date: 02-Jun-2023 11:38:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	25.3	50.56
$ 16 Phenol-d5	50.0	15.1	30.11
$ 39 Nitrobenzene-d5	25.0	17.7	70.66
$ 73 2-Fluorobiphenyl (Surr)	25.0	17.6	70.56
$ 109 2,4,6-Tribromophenol	50.0	42.6	85.13
$ 152 p-Terphenyl-d14	25.0	18.6	74.20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID: Dup-01_052023
Lab Sample ID: 410-127407-2

Matrix: Water
Lab File ID: LE2614.D

Analysis Method: 8270D
Date Collected: 05/18/2023 12:00

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:30

Sample wt/vol: 246.8(mL)
Date Analyzed: 05/26/2023 14:51

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 380338
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		2	0.5
86-74-8	Carbazole	ND		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)	19		13-138
321-60-8	2-Fluorobiphenyl (Surr)	20	S1-	44-120
367-12-4	2-Fluorophenol (Surr)	6	S1-	10-120
4165-60-0	Nitrobenzene-d5 (Surr)	12	S1-	31-120
4165-62-2	Phenol-d5 (Surr)	4	S1-	10-120
1718-51-0	p-Terphenyl-d14 (Surr)	28	S1-	30-125

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2614.D
Lims ID: 410-127407-A-2-B
Client ID: Dup-01_052023
Sample Type: Client
Inject. Date: 26-May-2023 14:51:33 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-2-B
Misc. Info.: 410-0085126-014
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 17:58:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.653	2.653	0.000	96	155283	2.84	
$ 16 Phenol-d5	99	3.578	3.567	0.011	98	170981	2.04	
17 Phenol	94		3.583				ND	7
20 2-Chlorophenol	128		3.690				ND	7
* 24 1,4-Dichlorobenzene-d4	152	3.888	3.888	0.000	97	171594	5.00	
$ 41 Nitrobenzene-d5	82	4.434	4.434	0.000	92	217073	2.95	
48 2,4-Dimethylphenol	107		4.829				ND	7
* 55 Naphthalene-d8	136	5.124	5.124	0.000	99	625493	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.172	6.172	0.000	99	508188	5.02	
* 92 Acenaphthene-d10	164	6.793	6.792	0.001	94	373136	5.00	
94 2,4-Dinitrophenol	184		6.878				ND	
$ 113 2,4,6-Tribromophenol	330	7.541	7.547	-0.006	89	151887	9.52	
* 127 Phenanthrene-d10	188	8.189	8.194	-0.005	97	715962	5.00	
131 Carbazole	167		8.429				ND	7
* 140 Pyrene-d10 (IS)	212	9.526	9.531	-0.005	97	668781	5.00	
$ 142 p-Terphenyl-d14	244	9.718	9.718	-0.005	97	780121	6.93	
* 159 Perylene-d12	264	12.430	12.435	-0.005	96	471394	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

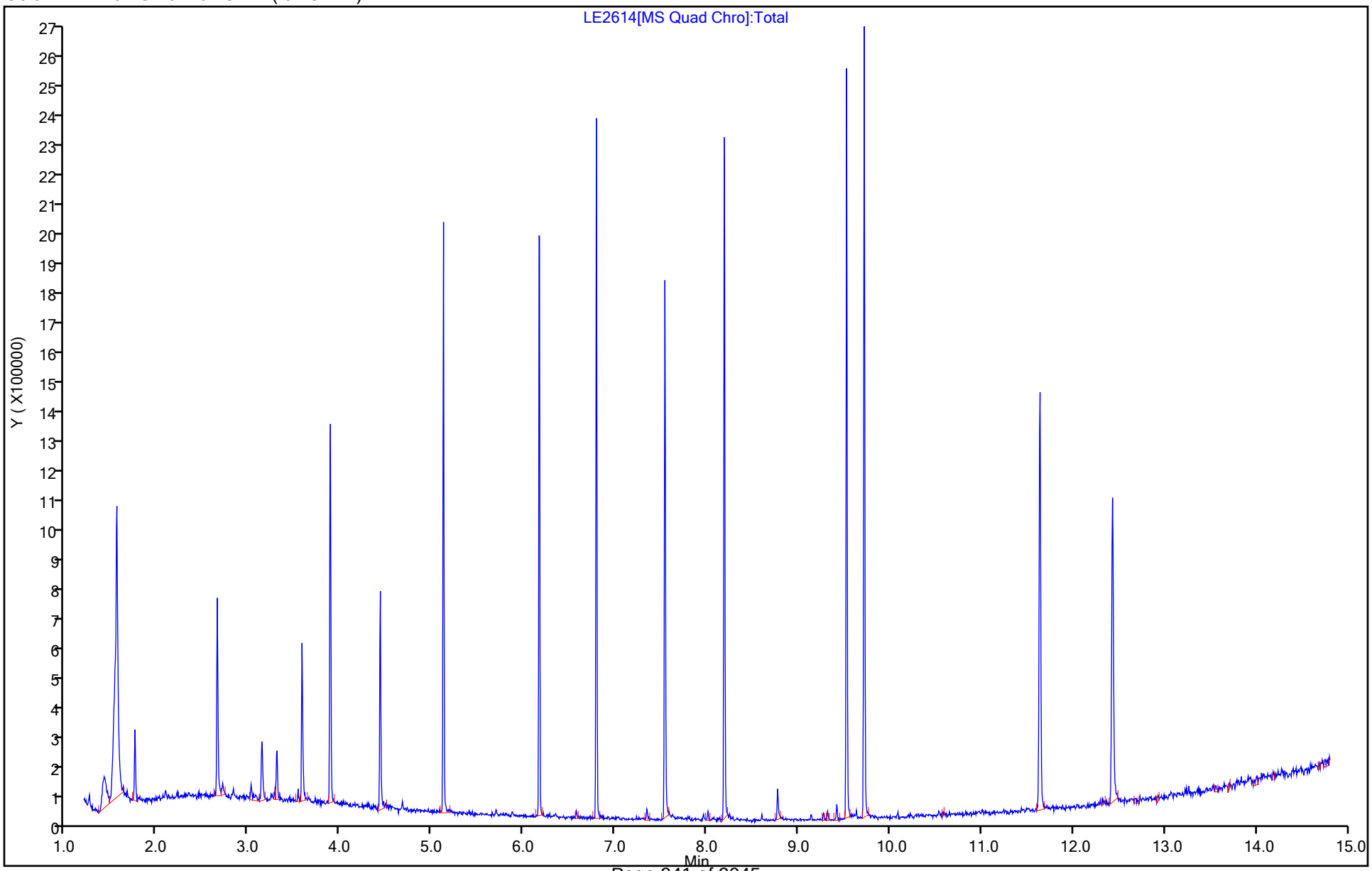
Report Date: 26-May-2023 20:56:25 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2614.D

Injection Date:	26-May-2023 14:51:33	Instrument ID:	HP20296	Operator ID:	msl46741
Lims ID:	410-127407-A-2-B	Lab Sample ID:	410-127407-2	Worklist Smp#:	14
Client ID:	Dup-01_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Report Date: 26-May-2023 20:56:25 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2614.D
Lims ID: 410-127407-A-2-B
Client ID: Dup-01_052023
Sample Type: Client
Inject. Date: 26-May-2023 14:51:33 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-2-B
Misc. Info.: 410-0085126-014
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 17:58:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	2.84	5.69
$ 16 Phenol-d5	50.0	2.04	4.08
$ 41 Nitrobenzene-d5	25.0	2.95	11.81
$ 76 2-Fluorobiphenyl (Surr)	25.0	5.02	20.09
$ 113 2,4,6-Tribromophenol	50.0	9.52	19.04
$ 142 p-Terphenyl-d14	25.0	6.93	27.71

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID: Dup-01_052023 RE
Lab Sample ID: 410-127407-2 RE

Matrix: Water
Lab File ID: DF0163.D

Analysis Method: 8270D
Date Collected: 05/18/2023 12:00

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:50

Sample wt/vol: 248.2(mL)
Date Analyzed: 06/02/2023 01:16

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.: 382151
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	*2,4-Dimethylphenol*	*ND*	*H*	*10*	*3*
51-28-5	*2,4-Dinitrophenol*	*ND*	*H*	*30*	*10*
95-57-8	*2-Chlorophenol*	*ND*	*H*	*2*	*0.5*
86-74-8	*Carbazole*	*ND*	*H*	*2*	*0.5*
108-95-2	*Phenol*	*ND*	*H*	*2*	*0.5*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	75		13-138
321-60-8	2-Fluorobiphenyl (Surr)	68		44-120
367-12-4	2-Fluorophenol (Surr)	42		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	59		31-120
4165-62-2	Phenol-d5 (Surr)	28		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	79		30-125

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0163.D
Lims ID: 410-127407-C-2-B RE
Client ID: Dup-01_052023
Sample Type: Client
Inject. Date: 02-Jun-2023 01:16:31 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-C-2-B
Misc. Info.: 410-0085584-014
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 12:12:53 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: AH7C Date: 02-Jun-2023 11:39:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.999	2.999	0.000	94	1124153	21.2	
$ 16 Phenol-d5	99	3.891	3.891	0.000	96	1051134	13.8	
17 Phenol	94		3.908				ND	7
20 2-Chlorophenol	128		4.042				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	98	181348	5.00	
$ 39 Nitrobenzene-d5	82	4.771	4.772	-0.006	88	1042359	14.8	
45 2,4-Dimethylphenol	107		5.150				ND	
* 50 Naphthalene-d8	136	5.459	5.464	-0.005	100	670292	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.496	6.496	0.000	100	1734327	17.1	
* 90 Acenaphthene-d10	164	7.126	7.131	-0.005	93	356210	5.00	
92 2,4-Dinitrophenol	184		7.201				ND	U
$ 109 2,4,6-Tribromophenol	330	7.878	7.878	0.000	92	459143	37.4	
* 126 Phenanthrene-d10	188	8.530	8.536	-0.006	97	651736	5.00	
130 Carbazole	167		8.764				ND	7
* 149 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	99	620155	5.00	
$ 152 p-Terphenyl-d14	244	10.057	10.058	-0.006	97	2012833	19.7	
* 170 Perylene-d12	264	12.978	12.983	-0.005	98	399606	5.00	

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

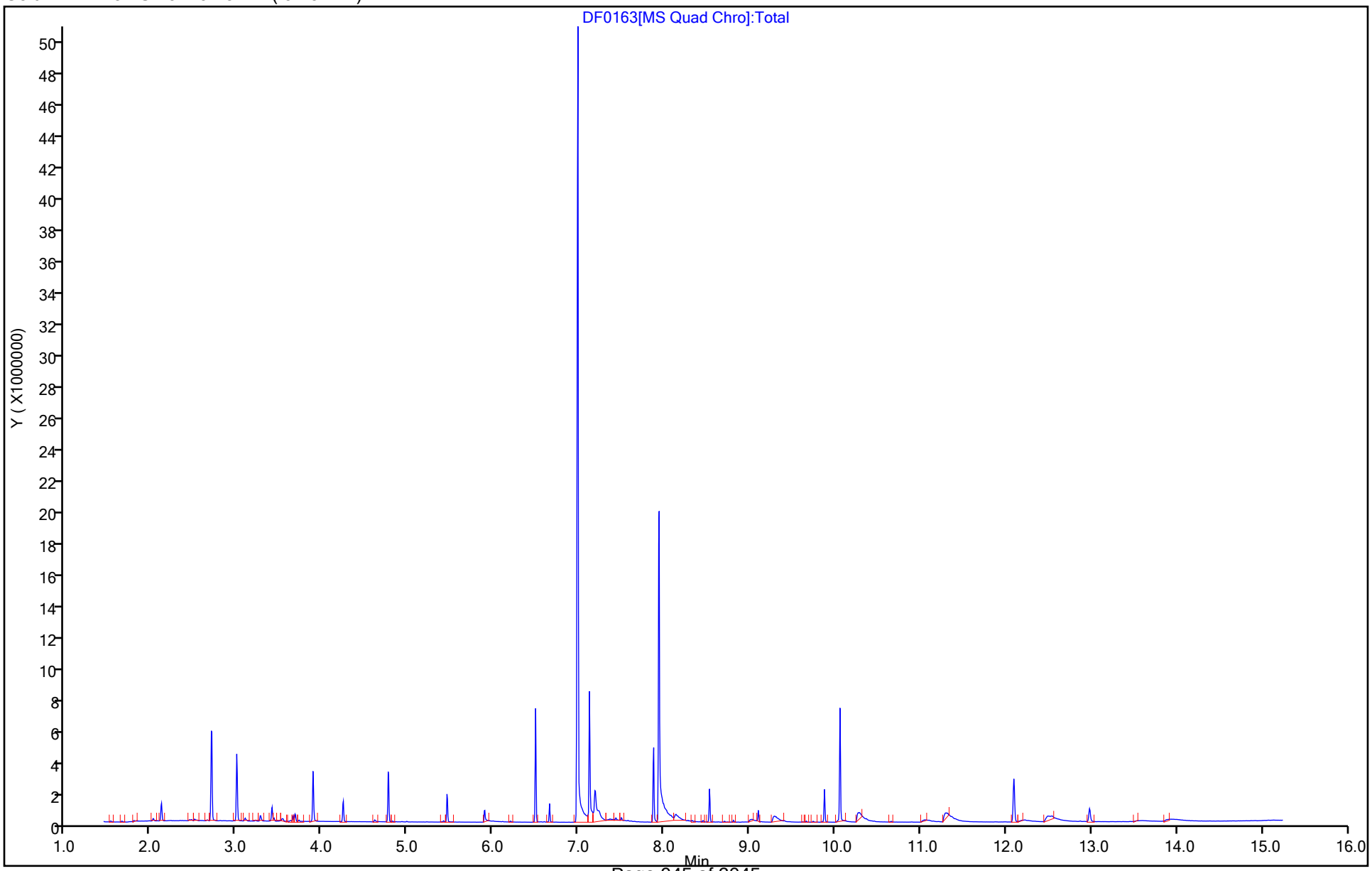
Report Date: 02-Jun-2023 12:13:34 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0163.D

Injection Date:	02-Jun-2023 01:16:31	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-127407-C-2-B RE	Lab Sample ID:	410-127407-2	Worklist Smp#:	14
Client ID:	Dup-01_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
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\20230601-85584.b\DF0163.D				
Lims ID:	410-127407-C-2-B RE				
Client ID:	Dup-01_052023				
Sample Type:	Client				
Inject. Date:	02-Jun-2023 01:16:31	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-C-2-B				
Misc. Info.:	410-0085584-014				
Operator ID:	mem41592	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	02-Jun-2023 12:12:53	Calib Date:	10-Apr-2023 21:02:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1616				

First Level Reviewer: AH7C Date: 02-Jun-2023 11:39:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	21.2	42.36
$ 16 Phenol-d5	50.0	13.8	27.51
$ 39 Nitrobenzene-d5	25.0	14.8	59.20
$ 73 2-Fluorobiphenyl (Surr)	25.0	17.1	68.46
$ 109 2,4,6-Tribromophenol	50.0	37.4	74.87
$ 152 p-Terphenyl-d14	25.0	19.7	78.62

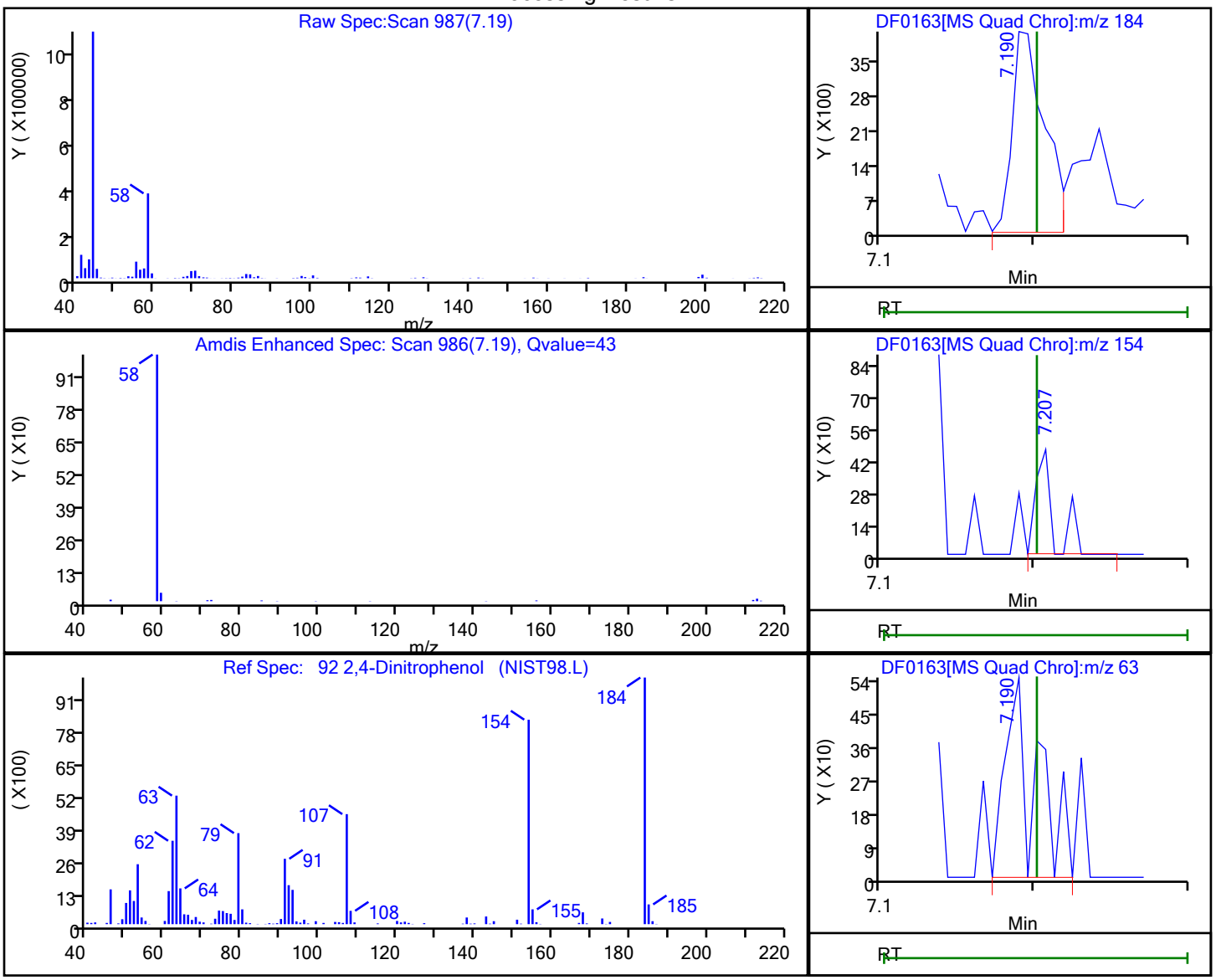
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0163.D				
Injection Date:	02-Jun-2023 01:16:31	Instrument ID:	HP19760		
Lims ID:	410-127407-C-2-B RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	14
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		

92 2,4-Dinitrophenol, CAS: 51-28-5

Processing Results



RT	Mass	Response	Amount
7.19	184.00	5798	2.858058
7.21	154.00	370	
7.19	63.00	776	
7.22	107.00	328	

Reviewer: AH7C, 02-Jun-2023 11:39:01 -04:00:00 (UTC)

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.: 410-127407-1

SDG No.:

Client Sample ID: FBW001_052023
Lab Sample ID: 410-127407-3

Matrix: Water
Lab File ID: LE2615.D

Analysis Method: 8270D
Date Collected: 05/18/2023 10:43

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:30

Sample wt/vol: 244.3(mL)
Date Analyzed: 05/26/2023 15:10

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 380338
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		2	0.5
86-74-8	Carbazole	ND		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)	54		13-138
321-60-8	2-Fluorobiphenyl (Surr)	40	S1-	44-120
367-12-4	2-Fluorophenol (Surr)	29		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	32		31-120
4165-62-2	Phenol-d5 (Surr)	19		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	68		30-125

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2615.D
Lims ID: 410-127407-A-3-D
Client ID: FBW001_052023
Sample Type: Client
Inject. Date: 26-May-2023 15:10:50 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-3-D
Misc. Info.: 410-0085126-015
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 18:00:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.653	2.653	0.000	97	829598	14.6	
$ 16 Phenol-d5	99	3.573	3.567	0.006	99	822423	9.42	
17 Phenol	94		3.583				ND	7
20 2-Chlorophenol	128		3.690				ND	7
* 24 1,4-Dichlorobenzene-d4	152	3.888	3.888	0.000	98	178806	5.00	
$ 41 Nitrobenzene-d5	82	4.434	4.434	0.000	90	634353	8.03	
48 2,4-Dimethylphenol	107		4.829				ND	7
* 55 Naphthalene-d8	136	5.124	5.124	0.000	99	672241	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.167	6.172	-0.005	100	1040769	10.1	
* 92 Acenaphthene-d10	164	6.793	6.792	0.001	96	380793	5.00	
94 2,4-Dinitrophenol	184		6.878				ND	
$ 113 2,4,6-Tribromophenol	330	7.541	7.547	-0.006	89	435957	26.8	
* 127 Phenanthrene-d10	188	8.189	8.194	-0.005	97	741138	5.00	
131 Carbazole	167		8.429				ND	
* 140 Pyrene-d10 (IS)	212	9.526	9.531	-0.005	97	732467	5.00	
$ 142 p-Terphenyl-d14	244	9.718	9.718	-0.005	97	2084428	16.9	
* 159 Perylene-d12	264	12.430	12.435	-0.005	96	505631	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

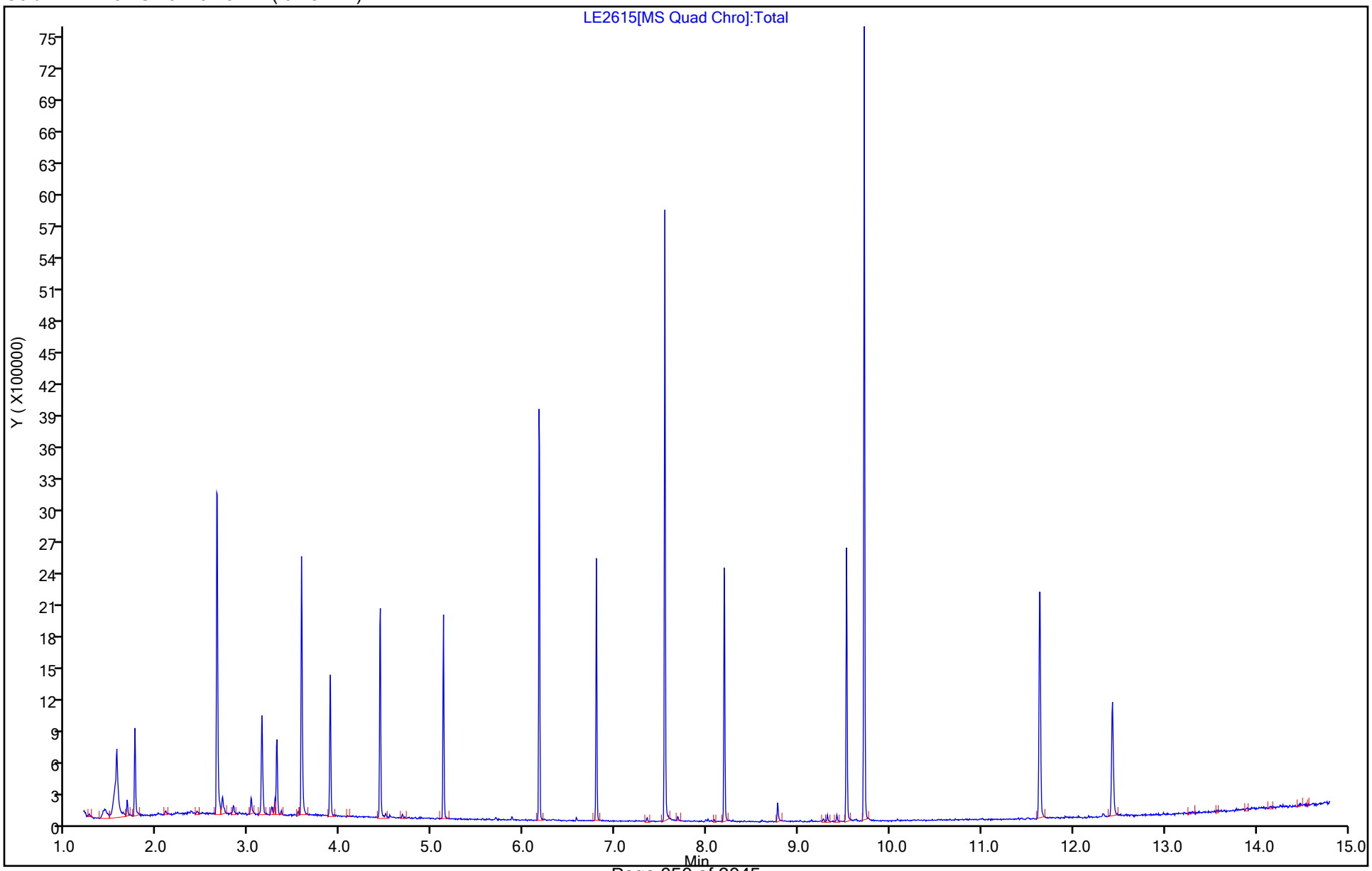
Report Date: 26-May-2023 20:56:27 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2615.D

Injection Date:	26-May-2023 15:10:50	Instrument ID:	HP20296	Operator ID:	msl46741
Lims ID:	410-127407-A-3-D	Lab Sample ID:	410-127407-3	Worklist Smp#:	15
Client ID:	FBW001_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2615.D
Lims ID: 410-127407-A-3-D
Client ID: FBW001_052023
Sample Type: Client
Inject. Date: 26-May-2023 15:10:50 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-3-D
Misc. Info.: 410-0085126-015
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 18:00:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	14.6	29.16
$ 16 Phenol-d5	50.0	9.42	18.84
$ 41 Nitrobenzene-d5	25.0	8.03	32.11
$ 76 2-Fluorobiphenyl (Surr)	25.0	10.1	40.31
$ 113 2,4,6-Tribromophenol	50.0	26.8	53.55
$ 142 p-Terphenyl-d14	25.0	16.9	67.61

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001_052023 RE
Lab Sample ID: 410-127407-3 RE

Matrix: Water
Lab File ID: DF0164.D

Analysis Method: 8270D
Date Collected: 05/18/2023 10:43

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:50

Sample wt/vol: 247.9(mL)
Date Analyzed: 06/02/2023 01:36

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 382151
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	*2,4-Dimethylphenol*	*ND*	*H*	*10*	*3*
51-28-5	*2,4-Dinitrophenol*	*ND*	*H*	*30*	*10*
95-57-8	*2-Chlorophenol*	*ND*	*H*	*2*	*0.5*
86-74-8	*Carbazole*	*ND*	*H*	*2*	*0.5*
108-95-2	*Phenol*	*ND*	*H*	*2*	*0.5*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	86		13-138
321-60-8	2-Fluorobiphenyl (Surr)	63		44-120
367-12-4	2-Fluorophenol (Surr)	47		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	61		31-120
4165-62-2	Phenol-d5 (Surr)	28		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	93		30-125

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0164.D				
Lims ID:	410-127407-B-3-C RE				
Client ID:	FBW001_052023				
Sample Type:	Client				
Inject. Date:	02-Jun-2023 01:36:40	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-B-3-C				
Misc. Info.:	410-0085584-015				
Operator ID:	mem41592	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	02-Jun-2023 12:12:53	Calib Date:	10-Apr-2023 21:02:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1616				
First Level Reviewer: AH7C		Date:	02-Jun-2023 11:51:11		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.999	2.999	0.000	94	1036782	23.5	
$ 16 Phenol-d5	99	3.891	3.891	0.000	96	893608	14.1	
17 Phenol	94		3.908				ND	7
20 2-Chlorophenol	128		4.042				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	98	150551	5.00	
$ 39 Nitrobenzene-d5	82	4.771	4.772	-0.006	88	889625	15.3	
45 2,4-Dimethylphenol	107		5.150				ND	
* 50 Naphthalene-d8	136	5.459	5.464	-0.005	100	553000	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.496	6.496	0.000	100	1398704	15.8	
* 90 Acenaphthene-d10	164	7.126	7.131	-0.005	94	311190	5.00	
92 2,4-Dinitrophenol	184		7.201				ND	
$ 109 2,4,6-Tribromophenol	330	7.878	7.878	0.000	93	459520	42.9	
* 126 Phenanthrene-d10	188	8.530	8.536	-0.006	97	546290	5.00	
130 Carbazole	167		8.764				ND	
* 149 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	99	508419	5.00	
$ 152 p-Terphenyl-d14	244	10.057	10.058	-0.006	97	1951733	23.2	
* 170 Perylene-d12	264	12.983	12.983	0.000	98	318344	5.00	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

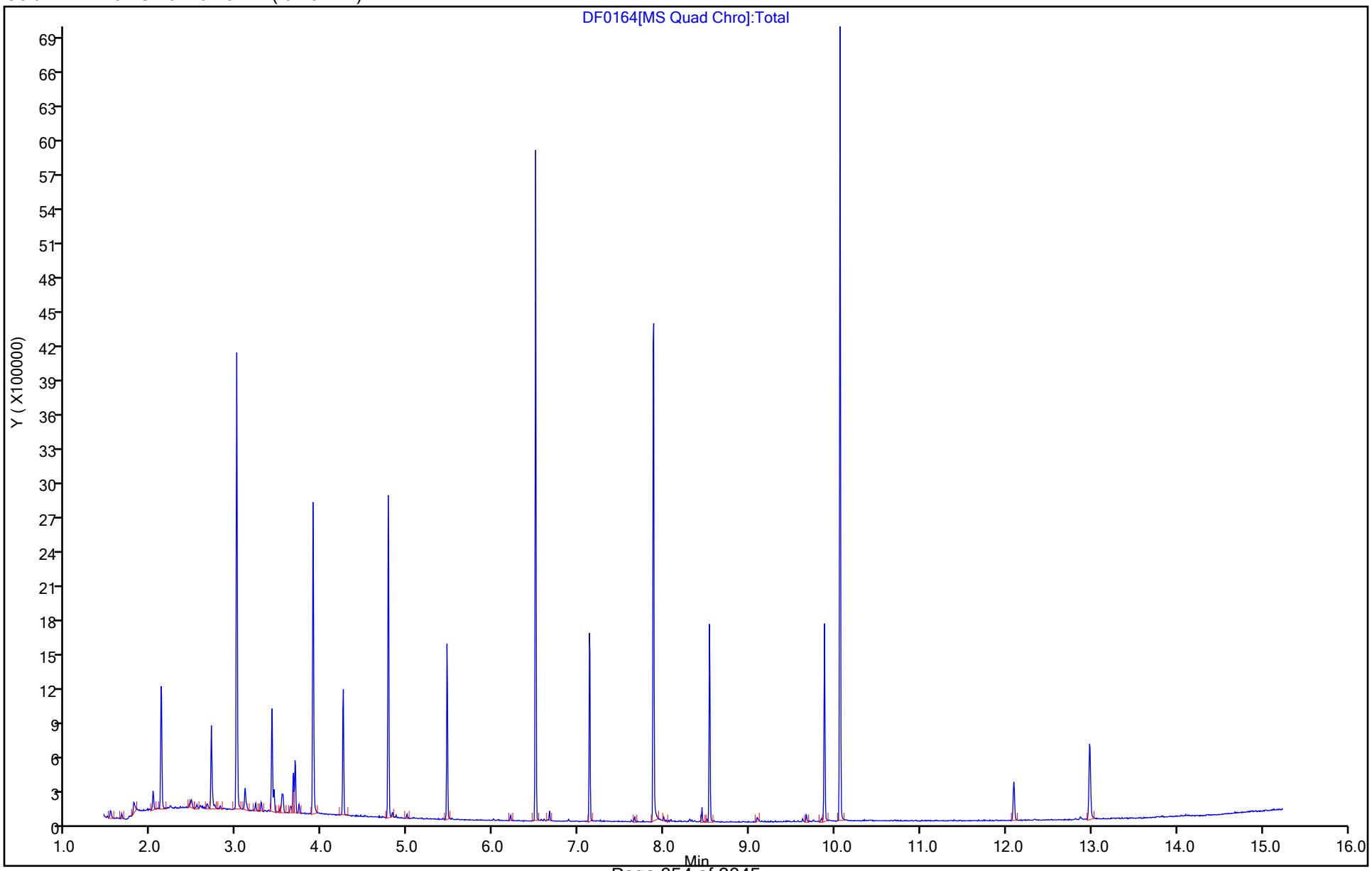
MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 02-Jun-2023 12:13:37 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0164.D				
Injection Date:	02-Jun-2023 01:36:40	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-127407-B-3-C RE	Lab Sample ID:	410-127407-3	Worklist Smp#:	15
Client ID:	FBW001_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
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\20230601-85584.b\DF0164.D
Lims ID: 410-127407-B-3-C RE
Client ID: FBW001_052023
Sample Type: Client
Inject. Date: 02-Jun-2023 01:36:40 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-B-3-C
Misc. Info.: 410-0085584-015
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 12:12:53 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: AH7C Date: 02-Jun-2023 11:51:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	23.5	47.06
$ 16 Phenol-d5	50.0	14.1	28.17
$ 39 Nitrobenzene-d5	25.0	15.3	61.24
$ 73 2-Fluorobiphenyl (Surr)	25.0	15.8	63.20
$ 109 2,4,6-Tribromophenol	50.0	42.9	85.78
$ 152 p-Terphenyl-d14	25.0	23.2	92.98

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: FB-01_052023 Lab Sample ID: 410-127407-4

Matrix: Water Lab File ID: LE2618.D

Analysis Method: 8270D Date Collected: 05/18/2023 11:00

Extract. Method: 3510C Date Extracted: 05/25/2023 15:30

Sample wt/vol: 243.6(mL) Date Analyzed: 05/26/2023 16:08

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 380338 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		2	0.5
86-74-8	Carbazole	ND		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)	58		13-138
321-60-8	2-Fluorobiphenyl (Surr)	59		44-120
367-12-4	2-Fluorophenol (Surr)	28		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	46		31-120
4165-62-2	Phenol-d5 (Surr)	18		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	82		30-125

Report Date: 26-May-2023 20:56:31 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2618.D
Lims ID: 410-127407-A-4-B
Client ID: FB-01_052023
Sample Type: Client
Inject. Date: 26-May-2023 16:08:42 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-4-B
Misc. Info.: 410-0085126-018
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 18:04:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.647	2.653	-0.006	97	727174	14.2	
$ 16 Phenol-d5	99	3.573	3.567	0.006	98	706809	8.97	
17 Phenol	94		3.583				ND	7
20 2-Chlorophenol	128		3.690				ND	7
* 24 1,4-Dichlorobenzene-d4	152	3.888	3.888	0.000	97	161345	5.00	
$ 41 Nitrobenzene-d5	82	4.434	4.434	0.000	92	833856	11.4	
48 2,4-Dimethylphenol	107		4.829				ND	7
* 55 Naphthalene-d8	136	5.124	5.124	0.000	99	623554	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.172	6.172	0.000	99	1444328	14.6	
* 92 Acenaphthene-d10	164	6.792	6.792	0.000	95	363696	5.00	
94 2,4-Dinitrophenol	184		6.878				ND	
$ 113 2,4,6-Tribromophenol	330	7.541	7.547	-0.006	91	450084	28.9	
* 127 Phenanthrene-d10	188	8.194	8.194	0.000	97	700180	5.00	
131 Carbazole	167		8.429				ND	7
* 140 Pyrene-d10 (IS)	212	9.526	9.531	-0.005	97	677045	5.00	
$ 142 p-Terphenyl-d14	244	9.718	9.718	-0.005	97	2347929	20.6	
* 159 Perylene-d12	264	12.430	12.435	-0.005	96	460194	5.00	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

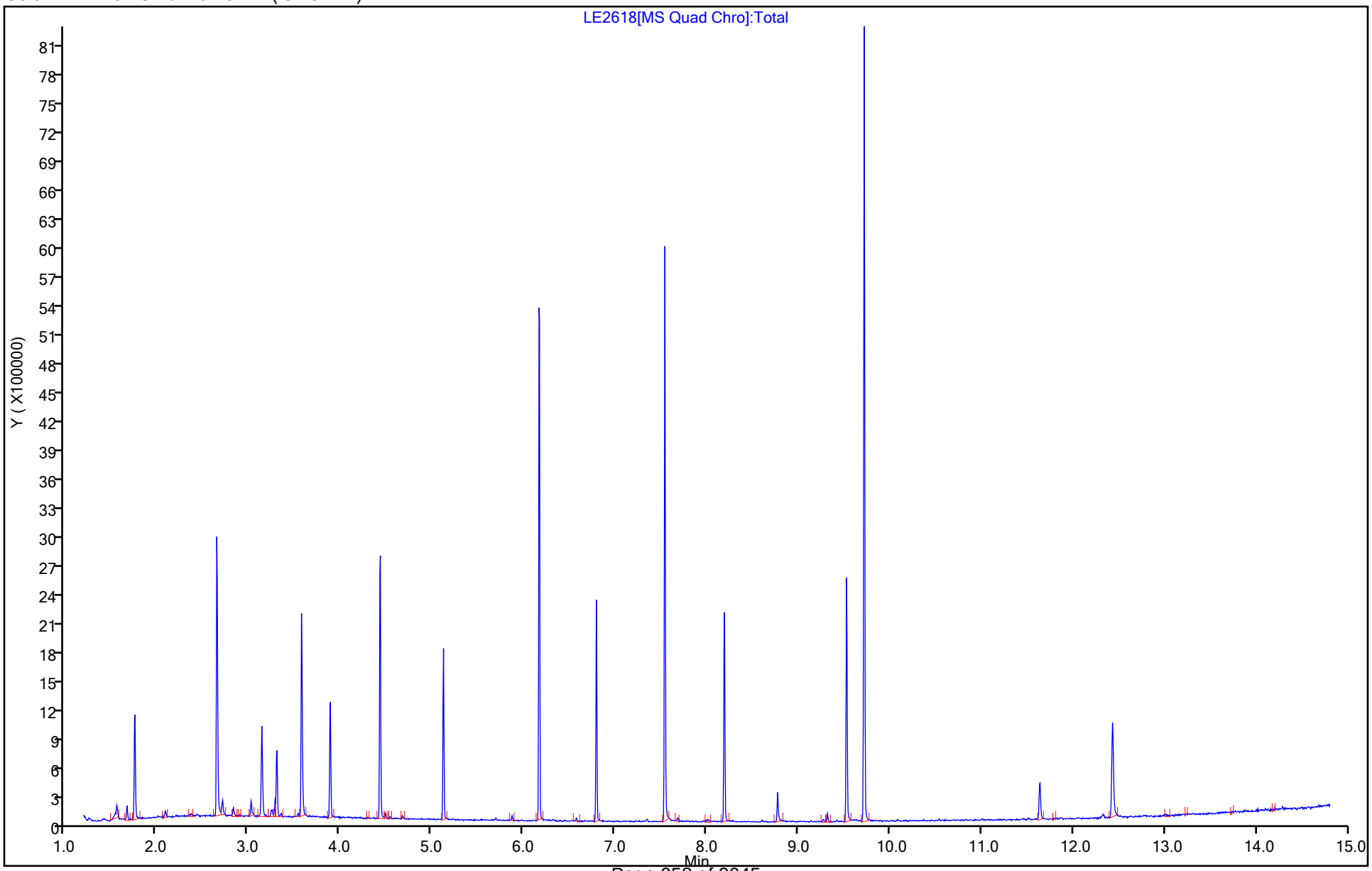
Report Date: 26-May-2023 20:56:31 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2618.D

Injection Date:	26-May-2023 16:08:42	Instrument ID:	HP20296	Operator ID:	msl46741
Lims ID:	410-127407-A-4-B	Lab Sample ID:	410-127407-4	Worklist Smp#:	18
Client ID:	FB-01_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Report Date: 26-May-2023 20:56:31 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2618.D
Lims ID: 410-127407-A-4-B
Client ID: FB-01_052023
Sample Type: Client
Inject. Date: 26-May-2023 16:08:42 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-4-B
Misc. Info.: 410-0085126-018
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 18:04:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	14.2	28.33
$ 16 Phenol-d5	50.0	8.97	17.95
$ 41 Nitrobenzene-d5	25.0	11.4	45.51
$ 76 2-Fluorobiphenyl (Surr)	25.0	14.6	58.57
$ 113 2,4,6-Tribromophenol	50.0	28.9	57.88
$ 142 p-Terphenyl-d14	25.0	20.6	82.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID: FB-01_052023 RE
Lab Sample ID: 410-127407-4 RE

Matrix: Water
Lab File ID: DF0167.D

Analysis Method: 8270D
Date Collected: 05/18/2023 11:00

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:50

Sample wt/vol: 239.1(mL)
Date Analyzed: 06/02/2023 02:37

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.: 382151
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	*2,4-Dimethylphenol*	*ND*	*H*	*10*	*3*
51-28-5	*2,4-Dinitrophenol*	*ND*	*H*	*30*	*10*
95-57-8	*2-Chlorophenol*	*ND*	*H*	*2*	*0.5*
86-74-8	*Carbazole*	*ND*	*H*	*2*	*0.5*
108-95-2	*Phenol*	*ND*	*H*	*2*	*0.5*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	80		13-138
321-60-8	2-Fluorobiphenyl (Surr)	67		44-120
367-12-4	2-Fluorophenol (Surr)	45		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	64		31-120
4165-62-2	Phenol-d5 (Surr)	31		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	96		30-125

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0167.D				
Lims ID:	410-127407-B-4-A RE				
Client ID:	FB-01_052023				
Sample Type:	Client				
Inject. Date:	02-Jun-2023 02:37:15	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-B-4-A				
Misc. Info.:	410-0085584-018				
Operator ID:	mem41592	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	02-Jun-2023 12:12:53	Calib Date:	10-Apr-2023 21:02:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1616				
First Level Reviewer: AH7C		Date:	02-Jun-2023 11:53:06		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.999	2.999	0.000	94	947575	22.6	
$ 16 Phenol-d5	99	3.891	3.891	0.000	96	938924	15.6	
17 Phenol	94		3.908				ND	7
20 2-Chlorophenol	128		4.042				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	98	143135	5.00	
$ 39 Nitrobenzene-d5	82	4.771	4.772	-0.006	88	883177	16.1	
45 2,4-Dimethylphenol	107		5.150				ND	
* 50 Naphthalene-d8	136	5.459	5.464	-0.005	100	523664	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.496	6.496	0.000	100	1380504	16.7	
* 90 Acenaphthene-d10	164	7.126	7.131	-0.005	94	291367	5.00	
92 2,4-Dinitrophenol	184		7.201				ND	
$ 109 2,4,6-Tribromophenol	330	7.877	7.878	-0.001	92	401120	40.0	
* 126 Phenanthrene-d10	188	8.530	8.536	-0.006	97	540149	5.00	
130 Carbazole	167		8.764				ND	7
* 149 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	99	512608	5.00	
$ 152 p-Terphenyl-d14	244	10.057	10.058	-0.006	98	2041199	24.1	
* 170 Perylene-d12	264	12.978	12.983	-0.005	97	328507	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

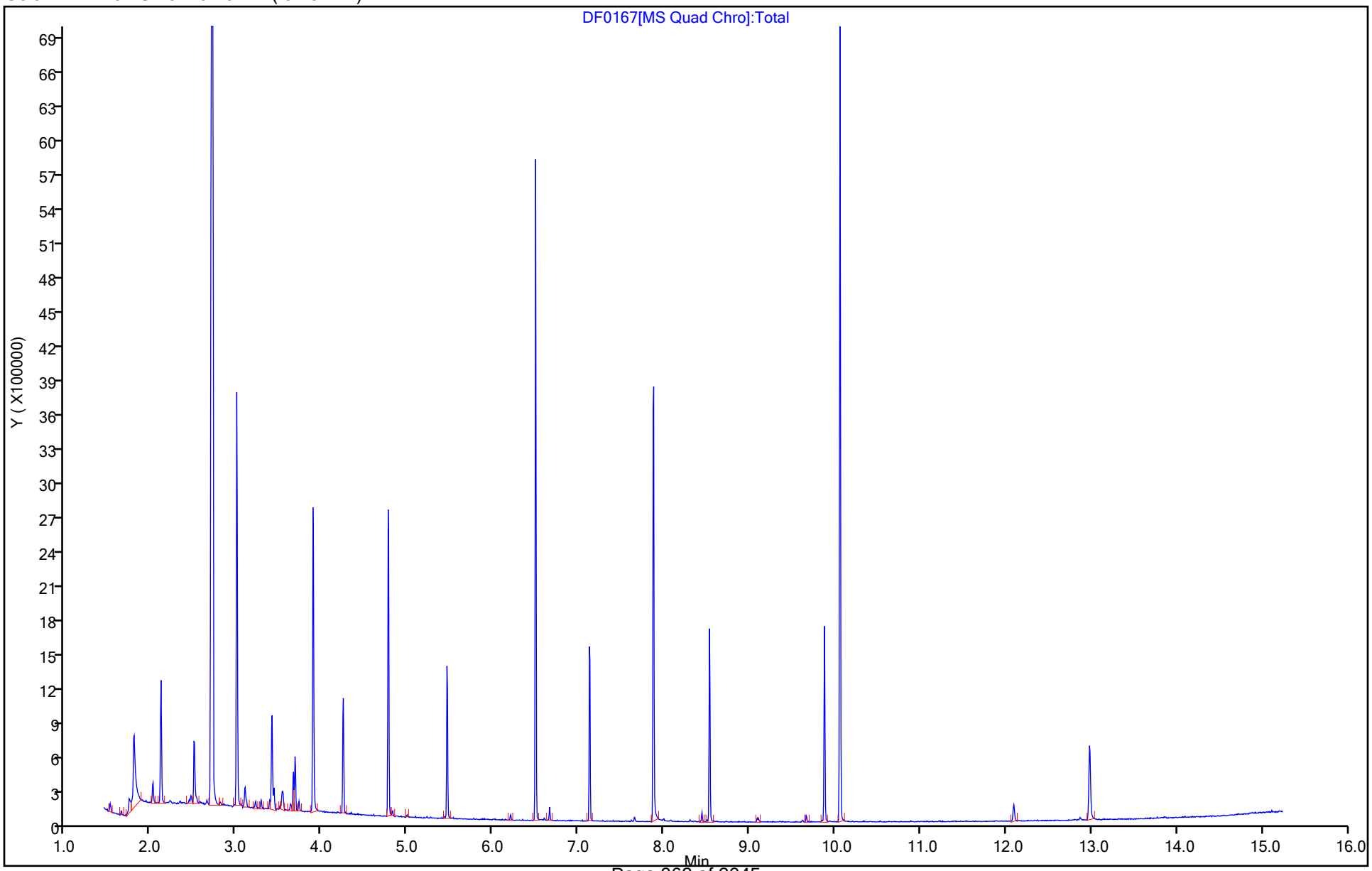
Report Date: 02-Jun-2023 12:13:43 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0167.D

Injection Date:	02-Jun-2023 02:37:15	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-127407-B-4-A RE	Lab Sample ID:	410-127407-4	Worklist Smp#:	18
Client ID:	FB-01_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
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\20230601-85584.b\DF0167.D				
Lims ID:	410-127407-B-4-A RE				
Client ID:	FB-01_052023				
Sample Type:	Client				
Inject. Date:	02-Jun-2023 02:37:15	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-B-4-A				
Misc. Info.:	410-0085584-018				
Operator ID:	mem41592	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	02-Jun-2023 12:12:53	Calib Date:	10-Apr-2023 21:02:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1616				

First Level Reviewer: AH7C Date: 02-Jun-2023 11:53:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	22.6	45.24
$ 16 Phenol-d5	50.0	15.6	31.13
$ 39 Nitrobenzene-d5	25.0	16.1	64.20
$ 73 2-Fluorobiphenyl (Surr)	25.0	16.7	66.62
$ 109 2,4,6-Tribromophenol	50.0	40.0	79.97
$ 152 p-Terphenyl-d14	25.0	24.1	96.45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-356566/3	DC2312.D
Level 2	IC 410-356566/4	DC2318.D
Level 3	IC 410-356566/9	DC2317.D
Level 4	IC 410-356566/8	DC2316.D
Level 5	IC 410-356566/7	DC2315.D
Level 6	ICIS 410-356566/2	DC2311.D
Level 7	IC 410-356566/6	DC2314.D
Level 8	IC 410-356566/5	DC2313.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	1.1113 0.8262	0.8794 0.7253	0.8431 0.7657	0.6999	0.7935	Ave		0.8306				15.4		20.0			
N-Nitrosodimethylamine	1.5414 1.2696	1.3897 1.1487	1.2685 1.2170	1.1343	1.3197	Ave		1.2861				10.4		20.0			
Pyridine	2.3878 2.0413	2.3177 1.9071	2.0822 1.9807	1.9308	2.1483	Ave		2.0995				8.4		20.0			
N,N-dimethylformamide	+++++ 1.3125	+++++ 1.2298	1.5717 1.3162	1.1373	1.3590	Ave		1.3211				11.0		20.0			
2-Picoline	2.0040 2.0123	2.1956 1.8999	1.9382 1.9564	1.8800	2.0994	Ave		1.9982				5.3		20.0			
N-Nitrosomethylethylamine	+++++ 0.8884	+++++ 0.8367	0.9154 0.8535	0.8701	0.9171	Ave		0.8802				3.7		20.0			
Methyl methanesulfonate	1.2272 1.1316	1.1924 1.0546	1.1277 1.0900	1.0481	1.1728	Ave		1.1305				5.7		20.0			
N-Nitrosodiethylamine	0.8256 0.8249	0.7348 0.7875	0.7877 0.8114	0.7377	0.8583	Ave		0.7960				5.4		20.0			
Ethyl methanesulfonate	1.0556 0.8550	0.8754 0.8208	0.8034 0.8355	0.7978	0.9026	Ave		0.8682				9.6		20.0			
Benzaldehyde	1.5965	1.8083 1.5072	1.7396 1.4794	1.5478	1.6921	Ave		1.6244			0.0100	7.7		20.0			
Phenol	2.1692 2.2567	2.1418 2.0726	2.0280 2.1786	2.0866	2.3302	Ave		2.1580			0.8000	4.6		20.0			
Aniline	2.7269 2.7688	2.5891 2.5484	2.7053 2.6819	2.5123	2.8527	Ave		2.6732				4.3		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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	1.8483 1.7821	1.7582 1.6830	1.8931 1.7226	1.6697	1.9004	Ave		1.7822			0.7000	5.1		20.0			
2-Chlorophenol	1.2119 1.3770	1.2450 1.2912	1.3831 1.3490	1.2368	1.4264	Ave		1.3151			0.8000	6.0		20.0			
1,3-Dichlorobenzene	1.2451 1.5313	1.6183 1.4276	1.5454 1.4984	1.4798	1.6277	Ave		1.4967				8.1		20.0			
1,4-Dichlorobenzene	1.6059 1.5459	1.6560 1.4443	1.6852 1.5106	1.4670	1.6313	Ave		1.5683				5.7		20.0			
Benzyl alcohol	1.1374 1.0608	0.9043 0.9666	1.0432 1.0480	0.9325	1.0785	Ave		1.0214				7.8		20.0			
1,2-Dichlorobenzene	1.3962 1.4754	1.3546 1.3761	1.5590 1.4236	1.4218	1.5533	Ave		1.4450				5.4		20.0			
2-Methylphenol	1.4531 1.4804	1.3396 1.3718	1.3242 1.4422	1.3290	1.4826	Ave		1.4029			0.7000	4.9		20.0			
2,2'-oxybis[1-chloropropane]	2.8622 2.1900	2.5105 2.0074	2.2023 2.1153	2.0698	2.2660	Ave		2.2779			0.0100	12.3		20.0			
N-Nitrosopyrrolidine	0.8663 0.8774	0.8150 0.8442	0.7652 0.8851	0.7833	0.9210	Ave		0.8447				6.3		20.0			
4-Methylphenol (and/or 3-Methylphenol)	1.4754 1.5897	1.4145 1.4504	1.4353 1.5310	1.4064	1.5950	Ave		1.4872			0.6000	5.1		20.0			
N-Nitrosodi-n-propylamine	1.6411 1.4242	1.4387 1.3257	1.3660 1.4126	1.3238	1.5087	Ave		1.4301			0.5000	7.4		20.0			
Acetophenone	2.2889 2.3900	2.2891 2.2042	2.2674 2.3163	2.2000	2.4611	Ave		2.3021			0.0100	3.8		20.0			
N-Nitrosomorpholine	1.3463 1.0564	1.1408 0.9853	1.1381 1.0128	0.9643	1.1137	Ave		1.0947				11.2		20.0			
o-Toluidine	2.3517 2.6709	2.4432 2.5311	2.5795 2.5883	2.4121	2.8223	Ave		2.5499				6.0		20.0			
Hexachloroethane	0.6240 0.6576	0.6688 0.6320	0.6617 0.6480	0.6484	0.6960	Ave		0.6546			0.3000	3.4		20.0			
Nitrobenzene	0.6264 0.5480	0.4932 0.5457	0.5219 0.5351	0.5262	0.4886	Ave		0.5356			0.2000	8.0		20.0			
N-Nitrosopiperidine	0.1818 0.2136	0.1933 0.2110	0.1868 0.2101	0.1954	0.1891	Ave		0.1976				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.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	0.9124 0.9737	0.8885 0.9648	0.8938 0.9552	0.9164	0.8712	Ave		0.9220			0.4000	4.1		20.0			
2-Nitrophenol	0.1455 0.1819	0.1390 0.1782	0.1465 0.1826	0.1567	0.1593	Ave		0.1612			0.1000	10.9		20.0			
2,4-Dimethylphenol	0.3801 0.4350	0.3664 0.4360	0.3848 0.4347	0.3941	0.3897	Ave		0.4026			0.2000	7.0		20.0			
o,o',o''-Triethylphosphorothioate	0.1622 0.1863	0.1615 0.1893	0.1681 0.1883	0.1771	0.1700	Ave		0.1753				6.6		20.0			
Bis(2-chloroethoxy)methane	0.5410 0.5854	0.5855 0.5768	0.5600 0.5750	0.5575	0.5350	Ave		0.5645			0.3000	3.4		20.0			
2,4-Dichlorophenol	0.2458 0.3062	0.2366 0.3017	0.2602 0.3070	0.2839	0.2696	Ave		0.2764			0.2000	10.0		20.0			
1,2,4-Trichlorobenzene	0.3318 0.3421	0.3513 0.3405	0.3296 0.3402	0.3276	0.3111	Ave		0.3343				3.6		20.0			
Naphthalene	1.1337 1.0872	1.0934 1.0734	1.0847 1.0531	1.0517	0.9867	Ave		1.0705			0.7000	4.0		20.0			
a-Terpineol	0.3156 0.3667	0.3761 0.3680	0.3300 0.3703	0.3391	0.3244	Ave		0.3488				6.9		20.0			
4-Chloroaniline	0.3686 0.4627	0.3698 0.4516	0.4165 0.4604	0.4301	0.4197	Ave		0.4224			0.0100	8.8		20.0			
2,6-Dichlorophenol	0.2897 0.3094	0.2259 0.2963	0.2649 0.3035	0.2806	0.2749	Ave		0.2806				9.5		20.0			
Hexachloropropene	0.2089 0.2385	0.2031 0.2456	0.2328 0.2377	0.2237	0.2117	Ave		0.2253				7.0		20.0			
Hexachlorobutadiene	0.1827 0.1947	0.2080 0.1926	0.1856 0.1913	0.1911	0.1763	Ave		0.1903			0.0100	4.9		20.0			
Quinoline	0.7219 0.7121	0.6515 0.7172	0.6488 0.6950	0.6518	0.6452	Ave		0.6804				5.0		20.0			
Caprolactam	0.1190	0.1187 0.1197	0.0971 0.1178	0.1025	0.1050	Ave		0.1114			0.0100	8.6		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.4460	+++++ 0.4487	0.3768 0.4431	0.3384	0.3344	Ave		0.3979				13.7		20.0			
1,4-phenylenediamine	+++++ 0.3772	+++++ 0.3789	0.2756 0.3673	0.3265	0.3399	Ave		0.3442				11.5		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.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	0.3796 0.3943	0.3070 0.3829	0.3221 0.3893	0.3409	0.3436	Ave		0.3575			0.2000	9.3		20.0			
Safrole, Total	0.2733 0.2842	0.2450 0.2892	0.2641 0.2861	0.2626	0.2545	Ave		0.2699				5.9		20.0			
2-Methylnaphthalene	0.6888 0.7078	0.6819 0.7027	0.6641 0.6945	0.6814	0.6374	Ave		0.6823			0.4000	3.3		20.0			
1-Methylnaphthalene	0.6348 0.6632	0.6217 0.6441	0.6430 0.6457	0.6191	0.5893	Ave		0.6326				3.5		20.0			
Hexachlorocyclopentadiene	0.3803 0.4090	0.3791 0.3994	0.3786 0.4120	0.3786	0.4261	Ave		0.3954			0.0500	4.8		20.0			
1,2,4,5-Tetrachlorobenzene	0.6643 0.6298	0.6264 0.6272	0.6418 0.6240	0.6194	0.6768	Ave		0.6387			0.0100	3.3		20.0			
Isosafrole Peak 1	+++++ 0.5665	0.6017 0.5827	0.5454 0.5778	0.5401	0.6046	Ave		0.5741				4.4		20.0			
2,4,6-Trichlorophenol	0.3304 0.3917	0.3283 0.3932	0.3527 0.3945	0.3542	0.4120	Ave		0.3696			0.2000	8.7		20.0			
2,4,5-Trichlorophenol	0.3466 0.4354	0.3687 0.4149	0.3647 0.4321	0.3919	0.4461	Ave		0.4000			0.2000	9.3		20.0			
Isosafrole Peak 2	0.5256 0.6296	0.6068 0.6346	0.5762 0.6275	0.5771	0.6701	Ave		0.6059				7.4		20.0			
1,1'-Biphenyl	1.5453 1.5895	1.4989 1.5128	1.6446 1.5090	1.5168	1.6762	Ave		1.5616			0.0100	4.3		20.0			
2-Chloronaphthalene	1.2519 1.1868	1.2154 1.1725	1.2328 1.1014	1.1846	1.3192	Ave		1.2081			0.8000	5.3		20.0			
1-Chloronaphthalene	1.1418 1.1895	1.1243 1.1521	1.1965 1.1868	1.1208	1.2306	Ave		1.1678				3.3		20.0			
Diphenyl ether	0.8020 0.8614	0.9288 0.8302	0.8962 0.8356	0.8260	0.9064	Ave		0.8608				5.2		20.0			
2-Nitroaniline	+++++ 0.3850	+++++ 0.3754	0.2862 0.3856	0.3240	0.3906	Ave		0.3578			0.0100	12.0		20.0			
1,4-Naphthoquinone	0.4270 0.4813	0.3695 0.4814	0.3883 0.4764	0.4176	0.4942	Ave		0.4420				10.8		20.0			
1,3-Dinitrobenzene	+++++ 0.1953	+++++ 0.1981	0.1400 0.2015	0.1622	0.1969	Ave		0.1823				13.9		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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	1.1380 1.4071	1.2913 1.3739	1.3258 1.3785	1.3334	1.4944	Ave		1.3428			0.0100	7.7		20.0			
1,4-Dinitrobenzene	+++++ 0.2193	0.1672 0.2172	0.1818 0.2246	0.1924	0.2219	Ave		0.2035				11.2		20.0			
2,6-Dinitrotoluene	+++++ 0.3107	0.2561 0.2956	0.2337 0.3050	0.2696	0.3146	Ave		0.2836			0.2000	10.9		20.0			
Acenaphthylene	1.8634 2.0211	1.8094 1.9519	1.8799 1.9453	1.8632	2.1171	Ave		1.9314			0.9000	5.2		20.0			
3-Nitroaniline	0.2537 0.3499	0.2613 0.3384	0.2617 0.3499	0.2948	0.3613	Ave		0.3089			0.0100	14.8		20.0			
Acenaphthene	1.0749 1.2671	1.3219 1.2247	1.2288 1.2304	1.1685	1.3505	Ave		1.2333			0.9000	7.0		20.0			
2,4-Dinitrophenol	+++++ 0.1993	+++++ 0.1939	0.1136 0.2147	0.1505	0.1966	Lin2	-0.537	0.2164			0.0100				0.9950		0.9900
4-Nitrophenol	0.1944 0.2457	0.1747 0.2375	0.2070 0.2426	0.2151	0.2567	Ave		0.2217			0.0100	12.9		20.0			
Pentachlorobenzene	0.5401 0.5241	0.5660 0.5275	0.5243 0.5172	0.5052	0.5595	Ave		0.5330				3.9		20.0			
2,4-Dinitrotoluene	+++++ 0.4276	0.3028 0.4138	0.3122 0.4238	0.3545	0.4345	Ave		0.3813			0.2000	14.9		20.0			
Dibenzofuran	1.6644 1.7370	1.6846 1.6834	1.7646 1.6576	1.6572	1.8372	Ave		1.7108			0.8000	3.8		20.0			
1-Naphthylamine	1.0444 1.1606	0.9554 1.1435	0.9759 1.1291	1.0480	1.2232	Ave		1.0850				8.7		20.0			
2,3,4,6-Tetrachlorophenol	0.2997 0.3639	0.3001 0.3513	0.3027 0.3658	0.3352	0.3841	Ave		0.3378			0.0100	9.9		20.0			
2-Naphthylamine	1.1430 1.3382	1.1097 1.3008	1.1466 1.2802	1.1739	1.3716	Ave		1.2330				8.2		20.0			
Diethyl phthalate	1.1022 1.3402	1.1804 1.2953	1.2248 1.3019	1.2457	1.4136	Ave		1.2630			0.0100	7.7		20.0			
Thionazin	0.2956 0.2679	0.2381 0.2689	0.2142 0.2718	0.2302	0.2815	Ave		0.2585				10.8		20.0			
Fluorene	1.4233 1.4140	1.3734 1.3580	1.3426 1.3464	1.3175	1.4922	Ave		1.3834			0.9000	4.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	0.6456 0.6967	0.6712 0.6596	0.7079 0.6676	0.6707	0.7320	Ave		0.6814			0.4000	4.2		20.0			
5-Nitro-o-toluidine	0.3749 0.4150	0.2639 0.4081	0.3255 0.3944	0.3523	0.4176	Ave		0.3690				14.5		20.0			
4-Nitroaniline	+++++ 0.3739	0.2395 0.3676	0.2958 0.3602	0.3308	0.3904	Ave		0.3369			0.0100	15.8		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1306	+++++ 0.1282	0.0931 0.1362	0.1064	0.1271	Ave		0.1203			0.0100	13.9		20.0			
N-Nitrosodiphenylamine	0.5655 0.6101	0.5738 0.6070	0.5855 0.6202	0.6020	0.6519	Ave		0.6020			0.0100	4.6		20.0			
1,2-Diphenylhydrazine	1.1587 1.0307	0.9638 1.0101	0.9830 1.0109	0.9881	1.0853	Ave		1.0289				6.2		20.0			
Sulfotepp	0.1967 0.1545	0.1378 0.1575	0.1480 0.1574	0.1480	0.1620	Ave		0.1577				11.1		20.0			
1,3,5-Trinitrobenzene	+++++ 0.0803	+++++ 0.0784	+++++ 0.0862	0.0607	0.0781	Ave		0.0767				12.5		20.0			
cis-Diallate	0.4596 0.4203	0.5238 0.4084	0.4311 0.4166	0.3837	0.4355	Ave		0.4349				9.7		20.0			
Phorate	0.4614 0.6238	0.4912 0.6146	0.4877 0.6277	0.5747	0.6443	Ave		0.5657				13.1		20.0			
Phenacetin	0.3458 0.4416	0.3225 0.4271	0.3318 0.4350	0.3736	0.4424	Ave		0.3900				13.4		20.0			
4-Bromophenyl-phenylether	0.2301 0.2087	0.1761 0.2071	0.2137 0.2131	0.2064	0.2252	Ave		0.2100			0.1000	7.7		20.0			
trans-Diallate	+++++ 0.4316	0.5269 0.4117	0.5208 0.4189	0.3983	0.4585	Ave		0.4524				11.6		20.0			
Hexachlorobenzene	0.2520 0.2162	0.2314 0.2143	0.2134 0.2208	0.2210	0.2339	Ave		0.2254			0.1000	5.8		20.0			
Dimethoate	+++++ 0.3983	0.2826 0.3940	0.3029 0.3945	0.3358	0.4071	Ave		0.3593				14.3		20.0			
Atrazine	0.2225	0.1943 0.2149	0.1911 0.2125	0.2099	0.2374	Ave		0.2118			0.0100	7.5		20.0			
Pentachlorophenol	+++++ 0.1514	0.1041 0.1472	0.1109 0.1526	0.1239	0.1522	Ave		0.1346			0.0500	15.7		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.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	0.7141 0.8724	0.7545 0.8504	0.7639 0.8447	0.8084	0.9032	Ave		0.8139				8.0		20.0			
Pentachloronitrobenzene	0.0817 0.1021	0.0859 0.1020	0.0898 0.1043	0.0948	0.1087	Ave		0.0962				10.0		20.0			
Pronamide	+++++ 0.3438	+++++ 0.3339	0.2685 0.3480	0.3013	0.3489	Ave		0.3241				10.0		20.0			
Dinoseb	+++++ 0.1826	+++++ 0.1846	0.1034 0.2058	0.1399	0.1742	Lin2	-0.119	0.1921							0.9940		0.9900
Disulfoton	+++++ 0.6310	0.8418 0.6276	0.5766 0.6316	0.5909	0.6678	Ave		0.6525				13.6		20.0			
Phenanthrene	1.1184 1.0842	1.1436 1.0429	1.0812 1.0412	1.0584	1.1477	Ave		1.0897			0.7000	3.9		20.0			
Anthracene	1.0702 1.1211	1.0173 1.0747	1.0476 1.0837	1.0723	1.1557	Ave		1.0803			0.7000	3.9		20.0			
Carbazole	0.8821 1.0201	0.8638 0.9939	0.9296 0.9975	0.9618	1.0808	Ave		0.9662			0.0100	7.5		20.0			
Methyl parathion	+++++ 0.2867	+++++ 0.2883	0.2049 0.3011	0.2449	0.2871	Ave		0.2688				13.6		20.0			
Di-n-butyl phthalate	0.8889 1.1502	0.9045 1.1184	0.9337 1.1541	1.0479	1.1742	Ave		1.0465			0.0100	11.5		20.0			
Parathion	+++++ 0.1745	+++++ 0.1733	0.1055 0.1830	0.1338	0.1738	Ave		0.1573				19.5		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.0904	+++++ 0.0950	0.0501 0.1098	0.0581	0.0792	Qua2	-0.027	0.0684	0.0014603						0.9960		0.9900
Octachlorostyrene	0.0854 0.0843	0.0861 0.0831	0.0899 0.0855	0.0872	0.0889	Ave		0.0863				2.6		20.0			
Isodrin	+++++ 0.1261	0.1535 0.1284	0.1414 0.1287	0.1271	0.1345	Ave		0.1342				7.5		20.0			
Fluoranthene	1.0723 1.2201	1.0413 1.1717	1.1280 1.1830	1.1584	1.2553	Ave		1.1538			0.6000	6.2		20.0			
Benzidine	+++++ 0.8209	+++++ 0.7996	+++++ 0.6530	0.7088	0.8427	Ave		0.7650				10.6		20.0			
Pyrene	1.4065 1.2612	1.3077 1.2065	1.2504 1.2094	1.2122	1.3315	Ave		1.2732			0.6000	5.6		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.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	+++++ 0.2154	+++++ 0.2090	0.1395 0.2208	0.1680	0.2110	Ave		0.1939				16.8		20.0			
Chlorobenzilate	+++++ 0.3524	0.2602 0.3521	0.2679 0.3547	0.2898	0.3532	Ave		0.3186				13.8		20.0			
3,3'-Dimethylbenzidine	+++++ 0.7254	+++++ 0.7047	0.5301 0.6993	0.6149	0.7381	Ave		0.6688				12.0		20.0			
Butylbenzylphthalate	+++++ 0.5027	+++++ 0.4845	0.3756 0.5000	0.4246	0.4959	Ave		0.4639			0.0100	11.2		20.0			
2-Acetylaminofluorene	+++++ 0.4153	0.1962 0.4149	0.2297 0.4483	0.2979	0.3826	Lin1	-0.111	0.4258							0.9930		0.9900
3,3'-Dichlorobenzidine	+++++ 0.4165	+++++ 0.4057	0.3071 0.4169	0.3551	0.4214	Ave		0.3871			0.0100	11.9		20.0			
4,4'-Methylene bis(2-chloroaniline)	+++++ 0.2367	+++++ 0.2302	0.1743 0.2301	0.1950	0.2373	Ave		0.2173				12.1		20.0			
Benzo[a]anthracene	0.8723 1.1005	0.8767 1.0756	0.9904 1.0658	1.0092	1.1551	Ave		1.0182			0.8000	10.0		20.0			
Chrysene	0.9272 1.0851	0.9498 1.0347	1.0389 1.0295	0.9824	1.1101	Ave		1.0197			0.7000	6.2		20.0			
Bis(2-ethylhexyl) phthalate	+++++ 0.6788	+++++ 0.6675	0.4721 0.6991	0.5452	0.6675	Ave		0.6217			0.0100	14.7		20.0			
6-Methylchrysene	0.6552 0.7498	0.5861 0.7435	0.6345 0.7507	0.6487	0.7611	Ave		0.6912				9.8		20.0			
Di-n-octyl phthalate	+++++ 1.3035	+++++ 1.2942	0.7618 1.4150	0.9969	1.2402	Lin2	-0.784	1.3467			0.0100				0.9950		0.9900
7,12-Dimethylbenz(a)anthracene	0.4285 0.5661	0.4166 0.5706	0.4476 0.5871	0.4804	0.5727	Ave		0.5087				14.3		20.0			
Benzo[b]fluoranthene	1.0165 1.3395	1.1434 1.2860	1.2277 1.3380	1.2446	1.3577	Ave		1.2442			0.7000	9.4		20.0			
Benzo[k]fluoranthene	1.2148 1.3789	1.1158 1.3813	1.2361 1.3707	1.2848	1.4362	Ave		1.3023			0.7000	8.3		20.0			
Benzo[a]pyrene	1.0641 1.1250	1.0287 1.1053	0.9335 1.1619	1.0323	1.1641	Ave		1.0769			0.7000	7.3		20.0			
3-Methylcholanthrene	0.5181 0.6081	0.4791 0.6024	0.4658 0.6366	0.5097	0.6125	Ave		0.5540				12.2		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.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	0.7820 0.8891	0.6752 0.8807	0.7142 0.9062	0.7717	0.8791	Ave		0.8123				10.9		20.0			
Dibenz[a,j]acridine	0.7473 1.0174	0.7268 0.9819	0.7782 1.0383	0.9185	1.0124	Ave		0.9026				14.5		20.0			
Indeno[1,2,3-cd]pyrene	0.7508 0.9583	0.8050 0.9471	0.8212 1.0057	0.8692	0.9930	Ave		0.8938			0.5000	10.7		20.0			
Dibenz(a,h)anthracene	0.9871 1.1252	0.9013 1.0886	0.9927 1.1541	1.0254	1.1538	Ave		1.0535			0.4000	8.7		20.0			
Benzo[g,h,i]perylene	0.9604 1.1128	1.0334 1.0981	0.9916 1.1236	1.0224	1.1443	Ave		1.0608			0.5000	6.4		20.0			
2-Fluorophenol (Surr)	1.4226 1.5076	1.4285 1.4164	1.4802 1.4750	1.3985	1.5786	Ave		1.4634				4.1		20.0			
Phenol-d5 (Surr)	2.2687 2.1863	1.9862 2.0376	2.0675 2.0959	1.9534	2.2632	Ave		2.1073				5.7		20.0			
Nitrobenzene-d5 (Surr)	0.5494 0.5432	0.5141 0.5379	0.5177 0.5243	0.5175	0.4989	Ave		0.5254				3.2		20.0			
2-Fluorobiphenyl (Surr)	1.4154 1.4233	1.4772 1.3872	1.4422 1.3382	1.3765	1.5190	Ave		1.4224				4.0		20.0			
2,4,6-Tribromophenol (Surr)	0.1492 0.1917	0.1338 0.1825	0.1606 0.1910	0.1705	0.1980	Ave		0.1721				13.3		20.0			
p-Terphenyl-d14 (Surr)	0.7776 0.8367	0.8247 0.8089	0.8611 0.7985	0.8046	0.8935	Ave		0.8257				4.5		20.0			

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-356566/3	DC2312.D
Level 2	IC 410-356566/4	DC2318.D
Level 3	IC 410-356566/9	DC2317.D
Level 4	IC 410-356566/8	DC2316.D
Level 5	IC 410-356566/7	DC2315.D
Level 6	ICIS 410-356566/2	DC2311.D
Level 7	IC 410-356566/6	DC2314.D
Level 8	IC 410-356566/5	DC2313.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	3788 397641	7323 428530	27228 932010	102312	212091	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd 4	Ave	5254 611073	11572 678724	40963 1481343	165821	352740	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd 4	Ave	16278 1964917	38599 2253576	134481 4821675	564496	1148447	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd 4	Ave	+++++ 631689	+++++ 726618	50756 1602086	166247	363243	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd 4	Ave	6831 968528	18283 1122563	62591 2381199	274828	561145	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd 4	Ave	+++++ 427595	+++++ 494375	29560 1038864	127188	245133	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd 4	Ave	4183 544639	9929 623080	36416 1326692	153209	313482	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd 4	Ave	2814 397027	6119 465302	25438 987575	107835	229401	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd 4	Ave	3598	7290	25944	116621	241253	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 Env Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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
			411490	484945	1016902			12.5	20.0	30.0		
Benzaldehyde	DCBd 4	Ave		15058	56176	226258	452268		0.250	1.25	3.75	7.50
			768383	890549	1800659			12.5	20.0	30.0		
Phenol	DCBd 4	Ave	7394	17835	65491	305019	622838	0.125	0.250	1.25	3.75	7.50
			1086145	1224589	2651687			12.5	20.0	30.0		
Aniline	DCBd 4	Ave	9295	21560	87364	367257	762498	0.125	0.250	1.25	3.75	7.50
			1332624	1505727	3264274			12.5	20.0	30.0		
Bis(2-chloroethyl)ether	DCBd 4	Ave	6300	14641	61134	244085	507953	0.125	0.250	1.25	3.75	7.50
			857720	994404	2096671			12.5	20.0	30.0		
2-Chlorophenol	DCBd 4	Ave	4131	10367	44665	180798	381248	0.125	0.250	1.25	3.75	7.50
			662749	762922	1641953			12.5	20.0	30.0		
1,3-Dichlorobenzene	DCBd 4	Ave	4244	13476	49906	216317	435072	0.125	0.250	1.25	3.75	7.50
			737003	843489	1823756			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd 4	Ave	5474	13790	54422	214457	436020	0.125	0.250	1.25	3.75	7.50
			744046	853343	1838673			12.5	20.0	30.0		
Benzyl alcohol	DCBd 4	Ave	3877	7530	33689	136310	288280	0.125	0.250	1.25	3.75	7.50
			510575	571121	1275616			12.5	20.0	30.0		
1,2-Dichlorobenzene	DCBd 4	Ave	4759	11280	50344	207846	415180	0.125	0.250	1.25	3.75	7.50
			710079	813052	1732739			12.5	20.0	30.0		
2-Methylphenol	DCBd 4	Ave	4953	11155	42762	194279	396275	0.125	0.250	1.25	3.75	7.50
			712514	810542	1755346			12.5	20.0	30.0		
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	9756	20905	71121	302576	605659	0.125	0.250	1.25	3.75	7.50
			1054038	1186064	2574657			12.5	20.0	30.0		
N-Nitrosopyrrolidine	DCBd 4	Ave	2953	6787	24710	114504	246181	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 Env Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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
			422263	498797	1077258			12.5	20.0	30.0		
4-Methylphenol (and/or 3-Methylphenol)	DCBd 4	Ave	5029 765105	11779 856993	46349 1863525	205591	426312	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd 4	Ave	5594 685460	11980 783313	44114 1719371	193518	403250	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd 4	Ave	7802 1150307	19062 1302350	73221 2819350	321605	657809	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd 4	Ave	4589 508430	9500 582182	36753 1232773	140968	297668	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o-Toluidine	DCBd 4	Ave	8016 1285497	20345 1495518	83302 3150420	352611	754370	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd 4	Ave	2127 316482	5569 373392	21368 788765	94791	186029	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	7761 974718	15166 1114434	64519 2381571	275737	555696	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	2252 379876	5944 430883	23094 935104	102386	215054	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	11304 1731997	27325 1970524	110489 4251028	480253	990871	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	1803 323630	4275 363877	18109 812623	82145	181237	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	4709 773805	11267 890400	47568 1934591	206547	443208	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	2009 331448	4966 386529	20785 837818	92790	193410	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	6703 1041343	18006 1178073	69232 2559050	292180	608519	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	3045 544663	7275 616109	32172 1366389	148760	306671	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	4111 608444	10803 695498	40743 1513990	171668	353840	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	14045 1933948	33625 2192393	134088 4686916	551132	1122275	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	3910 652215	11565 751570	40801 1648053	177706	369021	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	4567 823117	11374 922408	51493 2049018	225383	477361	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	3589 550336	6946 605123	32742 1350927	147038	312629	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	2588 424316	6245 501587	28781 1057706	117240	240808	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	2264 346418	6396 393263	22943 851202	100168	200566	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	8944 1266695	20035 1464814	80204 3093112	341560	733804	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	 211715	3651 244506	12006 524173	53695	119376	 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 793257	+++++ 916509	46579 1972037	177330	380325	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 671028	+++++ 773792	34070 1634586	171088	386655	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	4703 701442	9440 782043	39818 1732558	178660	390789	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	3386 505522	7536 590677	32647 1273161	137638	289524	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	8534 1259036	20972 1435261	82095 3091023	357093	724956	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	7865 1179717	19120 1315600	79488 2873541	324459	670326	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	2581 403661	6257 459571	25192 1021424	109330	229655	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	4508 621656	10339 721726	42708 1547192	178866	364783	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	+++++ 89460	1589 107290	5807 229188	24954	52138	+++++ 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 Env Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	2242 386600	5418 452435	23472 978069	102290	222069	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	2352 429747	6085 477401	24268 1071275	113184	240413	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	2996 522034	8413 613381	32209 1306870	139988	303381	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	10487 1568850	24739 1740829	109433 3741308	438040	903429	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	8496 1171401	20060 1349266	82032 2730710	342113	711008	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	7749 1174051	18556 1325796	79617 2942451	323675	663263	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	5443 850245	15329 955363	59632 2071699	238545	488530	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	+++++ 379979	+++++ 431951	19045 955942	93576	210531	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	2898 475083	6099 553975	25841 1181011	120588	266364	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	+++++ 192764	+++++ 227977	9318 499639	46828	106132	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	7723 1388889	21313 1581047	88218 3417589	385085	805439	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 216442	2760 249972	12097 556745	55558	119597	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	+++++ 306672	4227 340208	15553 756063	77846	169573	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	12646 1994870	29864 2246074	125089 4823008	538080	1141047	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	1722 345381	4312 389414	17411 867445	85127	194758	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	7295 1250702	21817 1409310	81765 3050393	337447	727892	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Lin2	+++++ 393527	+++++ 446344	30230 1064535	130348	247228	+++++ 25.0	+++++ 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	7917 485082	17305 546625	41316 1202855	124218	276683	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 Env Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	3665 517290	9342 607044	34886 1282296	145886	301569	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	+++++ 422052	4997 476129	20772 1050646	102391	234199	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	11295 1714488	27804 1937161	117422 4109714	478582	990195	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	7088 1145531	15768 1315889	64936 2799279	302651	659274	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	2034 359188	4953 404215	20144 906813	96800	207036	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	7757 1320862	18316 1496895	76297 3173916	339001	739264	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	7480 1322820	19483 1490539	81497 3227677	359760	761904	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	2006 264443	3929 309380	14256 673979	66476	151718	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	9659 1395663	22667 1562747	89338 3338091	380479	804250	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	4381 687621	11078 758979	47107 1655148	193689	394542	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	2544 409665	4355 469620	21656 977748	101748	225074	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 369082	3953 423052	19681 893053	95521	210421	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 493251	+++++ 559060	34391 1246566	112535	260559	+++++ 25.0	+++++ 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	5718 979627	14794 1125153	61255 2411622	270495	568163	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	13784 1947037	29233 2203026	120997 4624541	522349	1112876	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	2340 291753	4178 343510	18223 720101	78223	166090	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	+++++ 151662	+++++ 170943	+++++ 394562	32077	80104	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
cis-Diallate	PHN	Ave	4046 587527	11757 659080	39270 1410225	150112	330439	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 Env Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	5489 1178405	14899 1340313	60036 2871398	303783	660695	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	4113 834131	9781 931503	40838 1990116	197475	453636	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	2737 394232	5340 451733	26304 974859	109083	230929	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 211990	4155 233455	16666 498253	54738	122243	+++++ 3.25	0.0650 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	2998 408409	7018 467420	26262 1009932	116801	239838	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	+++++ 752314	8572 859255	37289 1804593	177530	417475	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	 420352	5894 468772	23527 971978	110966	243463	 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 572112	15785 642123	27313 1395979	131014	312047	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
4-Aminobiphenyl	PHN	Ave	8495 1647912	22883 1854571	94027 3864310	427343	926082	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	972 192865	2606 222456	11056 476967	50111	111484	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	+++++ 649394	+++++ 728184	33049 1591871	159271	357742	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Lin2	+++++ 344980	+++++ 402592	12731 941382	73944	178575	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	+++++ 1191853	25533 1368666	70969 2889187	312380	684797	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	13304 2048058	34686 2274554	133089 4763338	559497	1176821	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	12731 2117815	30856 2343744	128947 4957348	566832	1185022	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	10493 1926934	26198 2167596	114418 4563253	508449	1108250	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	+++++ 541573	+++++ 628850	25224 1377450	129457	294416	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	10574 2172684	27432 2439142	114928 5279551	553933	1203982	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	+++++ 329655	+++++ 378041	12981 837356	70719	178232	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Qua2	+++++ 170852	+++++ 207183	6162 502124	30726	81207	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	1016 159293	2611 181291	11071 391269	46107	91194	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	+++++ 238177	4655 280032	17401 588963	67174	137942	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	12756 2304816	31583 2555339	138838 5411719	612334	1287214	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 4801859	+++++ 5332789	+++++ 9126120	1186380	2691871	+++++ 37.5	+++++ 60.0	+++++ 90.0	11.3	22.5
Pyrene	PYR10	Ave	16850 2459344	39924 2682124	155469 5634434	676379	1417720	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR10	Ave	+++++ 420000	+++++ 464672	17339 1028496	93753	224604	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	+++++ 687158	7944 782657	33314 1652637	161707	376053	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	+++++ 1414492	+++++ 1566673	65912 3258109	343095	785843	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Butylbenzylphthalate	PYR10	Ave	+++++ 980151	+++++ 1076947	46705 2329489	236930	527989	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Lin1	+++++ 809780	5991 922342	28561 2088684	166192	407399	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	+++++ 812239	+++++ 901856	38189 1942402	198112	448646	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	+++++	+++++	21674	108829	252701	+++++	+++++	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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
			461557	511801	1072053			12.5	20.0	30.0		
Benzo[a]anthracene	PYR10	Ave	10451	26766	123139	563072	1229808	0.125	0.250	1.25	3.75	7.50
			2145975	2391080	4965481			12.5	20.0	30.0		
Chrysene	PYR10	Ave	11108	28998	129175	548150	1181968	0.125	0.250	1.25	3.75	7.50
			2115931	2300123	4796552			12.5	20.0	30.0		
Bis(2-ethylhexyl) phthalate	PYR10	Ave	+++++	+++++	58702	304212	710689	+++++	+++++	1.25	3.75	7.50
			1323665	1483917	3257127			12.5	20.0	30.0		
6-Methylchrysene	PYR10	Ave	7850	17895	78885	361980	810336	0.125	0.250	1.25	3.75	7.50
			1462100	1652922	3497407			12.5	20.0	30.0		
Di-n-octyl phthalate	PRY	Lin2	+++++	+++++	77819	447395	1083739	+++++	+++++	1.25	3.75	7.50
			2122314	2361995	5362138			12.5	20.0	30.0		
7,12-Dimethylbenz(a)anthracene	PRY	Ave	4065	10377	45718	215590	500471	0.125	0.250	1.25	3.75	7.50
			921801	1041376	2224841			12.5	20.0	30.0		
Benzo[b]fluoranthene	PRY	Ave	9643	28483	125413	558588	1186410	0.125	0.250	1.25	3.75	7.50
			2181015	2347128	5070529			12.5	20.0	30.0		
Benzo[k]fluoranthene	PRY	Ave	11524	27794	126269	576600	1255002	0.125	0.250	1.25	3.75	7.50
			2245125	2521117	5194201			12.5	20.0	30.0		
Benzo[a]pyrene	PRY	Ave	10095	25624	95358	463285	1017219	0.125	0.250	1.25	3.75	7.50
			1831753	2017273	4403030			12.5	20.0	30.0		
3-Methylcholanthrene	PRY	Ave	4915	11935	47586	228764	535201	0.125	0.250	1.25	3.75	7.50
			990084	1099527	2412401			12.5	20.0	30.0		
Dibenz[a,h]acridine	PRY	Ave	7419	16818	72956	346351	768193	0.125	0.250	1.25	3.75	7.50
			1447574	1607428	3434148			12.5	20.0	30.0		
Dibenz[a,j]acridine	PRY	Ave	7089	18104	79494	412244	884684	0.125	0.250	1.25	3.75	7.50
			1656618	1792004	3934695			12.5	20.0	30.0		
Indeno[1,2,3-cd]pyrene	PRY	Ave	7123	20052	83890	390110	867686	0.125	0.250	1.25	3.75	7.50
			1560367	1728637	3811308			12.5	20.0	30.0		
Dibenz(a,h)anthracene	PRY	Ave	9364	22451	101408	460183	1008213	0.125	0.250	1.25	3.75	7.50
			1832017	1986761	4373334			12.5	20.0	30.0		
Benzo[g,h,i]perylene	PRY	Ave	9111	25743	101293	458856	999938	0.125	0.250	1.25	3.75	7.50
			1811937	2004194	4257857			12.5	20.0	30.0		

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

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	9698 1451203	23791 1673802	95602 3590656	408861	843858	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd 4	Ave	15466 2104472	33079 2407771	133530 5102011	571106	1209856	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	13614 1932537	31619 2197185	127985 4666829	542408	1134905	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	19211 2809767	48760 3192496	191935 6635346	795030	1637420	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	2025 378372	4416 419922	21367 947174	98465	213482	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	18633 3263036	50359 3596589	214129 7439984	897894	1902699	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
Qua2 = Quadratic 1/conc^2 ISTD

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 356566

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2023 13:34 Calibration End Date: 03/23/2023 16:08 Calibration ID: 48596

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-356566/3	DC2312.D
Level 2	IC 410-356566/4	DC2318.D
Level 3	IC 410-356566/9	DC2317.D
Level 4	IC 410-356566/8	DC2316.D
Level 5	IC 410-356566/7	DC2315.D
Level 6	ICIS 410-356566/2	DC2311.D
Level 7	IC 410-356566/6	DC2314.D
Level 8	IC 410-356566/5	DC2313.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
2,4-Dinitrophenol	+++++ -4.2	+++++ 3.4	2.1	-8.4	5.0	2.1	30	30	50	30	30	30
Dinoseb	+++++ -0.8	+++++ 9.2	3.4	-10.7	-1.1	0.0	30	30	50	30	30	30
4-Nitroquinoline-1-oxide	+++++ -1.0	+++++ -1.0	2.5	-10.7	3.8	5.6	30	30	50	30	30	30
2-Acetylaminofluorene	+++++ -1.2	50.4 * 6.2	-25.2	-23.1	-6.7	-0.4	30	50 30	30	30	30	30
Di-n-octyl phthalate	+++++ -1.0	+++++ 7.0	3.1	-10.5	-0.1	1.4	30	30	50	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2311.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 23-Mar-2023 13:34:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Misc. Info.: 410-0079683-002
Operator ID: em10340 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub26

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 17:56:00 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: P7EB Date: 23-Mar-2023 14:53:39

	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	1.965	1.965	0.000	95	397641	12.5	12.4	
	3 N-Nitrosodimethylamine	74	2.193	2.193	0.000	91	611073	12.5	12.3	
	4 Pyridine	79	2.233	2.233	0.000	98	1964917	25.0	24.3	
	6 Dimethylformamide	73	2.519	2.519	0.000	93	631689	12.5	12.4	
	7 2-Picoline	93	2.834	2.834	0.000	90	968528	12.5	12.6	
	8 N-Nitrosomethylethylamine	88	2.921	2.921	0.000	94	427595	12.5	12.6	
	9 Methyl methanesulfonate	80	3.189	3.189	0.000	85	544639	12.5	12.5	
$	10 2-Fluorophenol	112	3.347	3.347	0.000	94	1451203	25.0	25.8	
	11 N-Nitrosodiethylamine	102	3.574	3.574	0.000	95	397027	12.5	13.0	
	12 Ethyl methanesulfonate	109	3.848	3.848	0.000	97	411490	12.5	12.3	
	15 Benzaldehyde	77	4.180	4.180	0.000	94	768383	12.5	12.3	
$	16 Phenol-d5	99	4.215	4.215	0.000	95	2104472	25.0	25.9	
	17 Phenol	94	4.227	4.227	0.000	94	1086145	12.5	13.1	
	18 Aniline	93	4.279	4.279	0.000	95	1332624	12.5	12.9	
	19 Bis(2-chloroethyl)ether	93	4.332	4.332	0.000	93	857720	12.5	12.5	
	20 2-Chlorophenol	128	4.390	4.390	0.000	91	662749	12.5	13.1	
	21 1,3-Dichlorobenzene	146	4.541	4.541	0.000	93	737003	12.5	12.8	
*	22 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	97	192517	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.611	4.611	0.000	89	744046	12.5	12.3	
	25 Benzyl alcohol	108	4.710	4.710	0.000	90	510575	12.5	13.0	
	26 1,2-Dichlorobenzene	146	4.751	4.751	0.000	91	710079	12.5	12.8	
	28 2-Methylphenol	108	4.810	4.810	0.000	95	712514	12.5	13.2	
	29 2,2'-oxybis[1-chloropropane]	45	4.845	4.845	0.000	93	1054038	12.5	12.0	
	31 N-Nitrosopyrrolidine	100	4.944	4.944	0.000	91	422263	12.5	13.0	
	32 4-Methylphenol	108	4.955	4.955	0.000	97	765105	12.5	13.4	
	33 N-Nitrosodi-n-propylamine	70	4.967	4.967	0.000	73	685460	12.5	12.4	
	34 Acetophenone	105	4.967	4.967	0.000	92	1150307	12.5	13.0	
	35 N-Nitrosomorpholine	56	4.984	4.984	0.000	91	508430	12.5	12.1	
	36 2-Toluidine	106	5.002	5.002	0.000	95	1285497	12.5	13.1	
	38 Hexachloroethane	117	5.078	5.078	0.000	97	316482	12.5	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	5.113	5.113	0.000	87	1932537	25.0	25.8	
40 Nitrobenzene	77	5.130	5.130	0.000	85	974718	12.5	12.8	
42 N-Nitrosopiperidine	114	5.276	5.276	0.000	85	379876	12.5	13.5	
43 Isophorone	82	5.357	5.357	0.000	96	1731997	12.5	13.2	
44 2-Nitrophenol	139	5.433	5.433	0.000	89	323630	12.5	14.1	
45 2,4-Dimethylphenol	107	5.462	5.462	0.000	98	773805	12.5	13.5	
46 o,o',o''-Triethylphosphorothioat	198	5.538	5.538	0.000	93	331448	12.5	13.3	
47 Bis(2-chloroethoxy)methane	93	5.561	5.561	0.000	99	1041343	12.5	13.0	
48 2,4-Dichlorophenol	162	5.655	5.655	0.000	96	544663	12.5	13.8	
49 1,2,4-Trichlorobenzene	180	5.742	5.742	0.000	93	608444	12.5	12.8	
* 50 Naphthalene-d8	136	5.800	5.800	0.000	99	711517	5.00	5.00	
51 Naphthalene	128	5.818	5.818	0.000	98	1933948	12.5	12.7	
52 Alpha-Terpineol	59	5.824	5.824	0.000	92	652215	12.5	13.1	
53 4-Chloroaniline	127	5.865	5.865	0.000	93	823117	12.5	13.7	
54 2,6-Dichlorophenol	162	5.876	5.876	0.000	93	550336	12.5	13.8	
55 Hexachloropropene	213	5.905	5.905	0.000	89	424316	12.5	13.2	
56 Hexachlorobutadiene	225	5.940	5.940	0.000	96	346418	12.5	12.8	
60 Quinoline	129	6.133	6.133	0.000	94	1266695	12.5	13.1	
61 Caprolactam	113	6.173	6.173	0.000	79	211715	12.5	13.4	
62 N-Nitrosodi-n-butylamine	84	6.185	6.185	0.000	89	793257	12.5	14.0	
63 p-Phenylene diamine	108	6.197	6.197	0.000	94	671028	12.5	13.7	
64 4-Chloro-3-methylphenol	107	6.319	6.319	0.000	91	701442	12.5	13.8	
65 Safrole, Total	162	6.395	6.395	0.000	84	505522	12.5	13.2	
66 2-Methylnaphthalene	142	6.477	6.477	0.000	91	1259036	12.5	13.0	
67 1-Methylnaphthalene	142	6.570	6.570	0.000	92	1179717	12.5	13.1	
68 Hexachlorocyclopentadiene	237	6.628	6.628	0.000	97	403661	12.5	12.9	
69 1,2,4,5-Tetrachlorobenzene	216	6.634	6.634	0.000	98	621656	12.5	12.3	
70 Isosafrole Peak 1	162	6.669	6.669	0.000	85	89460	2.00	1.97	
71 2,4,6-Trichlorophenol	196	6.739	6.739	0.000	80	386600	12.5	13.2	
72 2,4,5-Trichlorophenol	196	6.768	6.768	0.000	93	429747	12.5	13.6	
$ 73 2-Fluorobiphenyl (Surr)	172	6.826	6.826	0.000	99	2809767	25.0	25.0	
74 Isosafrole Peak 2	162	6.885	6.885	0.000	87	522034	10.5	10.9	
75 1,1'-Biphenyl	154	6.920	6.920	0.000	95	1568850	12.5	12.7	
76 2-Chloronaphthalene	162	6.937	6.937	0.000	96	1171401	12.5	12.3	
77 1-Chloronaphthalene	162	6.960	6.960	0.000	97	1174051	12.5	12.7	
78 Phenyl ether	170	7.024	7.024	0.000	88	850245	12.5	12.5	
79 2-Nitroaniline	138	7.030	7.030	0.000	82	379979	12.5	13.4	
81 1,4-Naphthoquinone	158	7.106	7.106	0.000	79	475083	12.5	13.6	
86 1,3-Dinitrobenzene	168	7.164	7.164	0.000	83	192764	12.5	13.4	
85 Dimethyl phthalate	163	7.205	7.205	0.000	97	1388889	12.5	13.1	
84 1,4-Dinitrobenzene	168	7.228	7.228	0.000	82	216442	12.5	13.5	
87 2,6-Dinitrotoluene	165	7.263	7.263	0.000	88	306672	12.5	13.7	
88 Acenaphthylene	152	7.333	7.333	0.000	99	1994870	12.5	13.1	
89 3-Nitroaniline	138	7.415	7.415	0.000	88	345381	12.5	14.2	
* 90 Acenaphthene-d10	164	7.462	7.462	0.000	95	394814	5.00	5.00	
91 Acenaphthene	153	7.497	7.497	0.000	97	1250702	12.5	12.8	
92 2,4-Dinitrophenol	184	7.514	7.514	0.000	78	393527	25.0	25.5	
93 4-Nitrophenol	109	7.567	7.567	0.000	82	485082	25.0	27.7	
94 Pentachlorobenzene	250	7.619	7.619	0.000	97	517290	12.5	12.3	
95 2,4-Dinitrotoluene	165	7.642	7.642	0.000	86	422052	12.5	14.0	
96 Dibenzofuran	168	7.660	7.660	0.000	97	1714488	12.5	12.7	
97 1-Naphthylamine	143	7.730	7.730	0.000	98	1145531	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.771	7.771	0.000	75	359188	12.5	13.5	
99 2-Naphthylamine	143	7.805	7.805	0.000	94	1320862	12.5	13.6	
100 Diethyl phthalate	149	7.875	7.875	0.000	97	1322820	12.5	13.3	
101 Thionazin	107	7.951	7.951	0.000	78	264443	12.5	13.0	
102 Fluorene	166	7.986	7.986	0.000	93	1395663	12.5	12.8	
103 4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	89	687621	12.5	12.8	
104 N-Nitro-o-toluidine	152	7.992	7.992	0.000	86	409665	12.5	14.1	
105 4-Nitroaniline	138	7.992	7.992	0.000	77	369082	12.5	13.9	
106 4,6-Dinitro-2-methylphenol	198	8.021	8.021	0.000	78	493251	25.0	27.1	
107 N-Nitrosodiphenylamine	169	8.097	8.097	0.000	75	979627	10.6	10.8	
108 1,2-Diphenylhydrazine	77	8.132	8.132	0.000	41	1947037	12.5	12.5	
$ 109 2,4,6-Tribromophenol	330	8.208	8.208	0.000	89	378372	25.0	27.8	
110 Sulfotepp	97	8.248	8.248	0.000	78	291753	12.5	12.2	
112 1,3,5-Trinitrobenzene	213	8.330	8.330	0.000	82	151662	12.5	13.1	
113 cis-Diallate	86	8.371	8.371	0.000	0	587527	9.25	8.94	
114 Phorate	75	8.383	8.383	0.000	95	1178405	12.5	13.8	
115 Phenacetin	108	8.383	8.383	0.000	87	834131	12.5	14.2	
116 4-Bromophenyl phenyl ether	248	8.447	8.447	0.000	72	394232	12.5	12.4	
117 trans-Diallate	86	8.458	8.458	0.000	0	211990	3.25	3.10	
118 Hexachlorobenzene	284	8.499	8.499	0.000	92	408409	12.5	12.0	
119 Dimethoate	87	8.534	8.534	0.000	97	752314	12.5	13.9	
120 Atrazine	200	8.598	8.598	0.000	90	420352	12.5	13.1	
121 Pentachlorophenol	266	8.686	8.686	0.000	92	572112	25.0	28.1	
122 4-Aminobiphenyl	169	8.691	8.691	0.000	91	1647912	12.5	13.4	
123 Pentachloronitrobenzene	237	8.697	8.697	0.000	86	192865	12.5	13.3	
124 Pronamide	173	8.750	8.750	0.000	90	649394	12.5	13.3	
125 Dinoseb	211	8.860	8.860	0.000	94	344980	12.5	12.5	
* 126 Phenanthrene-d10	188	8.872	8.872	0.000	97	755591	5.00	5.00	
127 Disulfoton	88	8.878	8.878	0.000	96	1191853	12.5	12.1	
128 Phenanthrene	178	8.895	8.895	0.000	98	2048058	12.5	12.4	
129 Anthracene	178	8.942	8.942	0.000	99	2117815	12.5	13.0	
130 Carbazole	167	9.094	9.094	0.000	96	1926934	12.5	13.2	
131 Methyl parathion	109	9.228	9.228	0.000	90	541573	12.5	13.3	
133 Di-n-butyl phthalate	149	9.432	9.432	0.000	100	2172684	12.5	13.7	
134 Ethyl Parathion	109	9.601	9.601	0.000	83	329655	12.5	13.9	
135 4-Nitroquinoline-1-oxide	190	9.624	9.624	0.000	81	170852	12.5	13.2	
S 136 Diallate	86				0		12.5	12.0	
140 Octachlorostyrene	308	9.840	9.840	0.000	93	159293	12.5	12.2	
141 Isodrin	193	9.880	9.880	0.000	91	238177	12.5	11.7	
143 Fluoranthene	202	10.020	10.020	0.000	99	2304816	12.5	13.2	
147 Benzidine	184	10.154	10.154	0.000	99	4801859	37.5	40.2	
* 149 Pyrene-d10 (IS)	212	10.224	10.224	0.000	100	779979	5.00	5.00	
150 Pyrene	202	10.242	10.242	0.000	96	2459344	12.5	12.4	
$ 152 p-Terphenyl-d14	244	10.399	10.399	0.000	99	3263036	25.0	25.3	
154 p-Dimethylamino azobenzene	225	10.545	10.545	0.000	93	420000	12.5	13.9	
155 Chlorobenzilate	139	10.592	10.592	0.000	86	687158	12.5	13.8	
156 3,3'-Dimethylbenzidine	212	10.895	10.895	0.000	99	1414492	12.5	13.6	
157 Butyl benzyl phthalate	149	10.924	10.924	0.000	94	980151	12.5	13.5	
158 2-Acetylaminofluorene	181	11.174	11.174	0.000	94	809780	12.5	12.5	
159 3,3'-Dichlorobenzidine	252	11.518	11.518	0.000	78	812239	12.5	13.4	
160 4,4'-Methylene bis(2-chloroani	231	11.524	11.524	0.000	95	461557	12.5	13.6	
161 Benzo[a]anthracene	228	11.542	11.542	0.000	100	2145975	12.5	13.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	11.582	11.582	0.000	97	2115931	12.5	13.3	
163 Bis(2-ethylhexyl) phthalate	149	11.612	11.612	0.000	96	1323665	12.5	13.6	
164 6-Methylchrysene	242	12.165	12.165	0.000	99	1462100	12.5	13.6	
165 Di-n-octyl phthalate	149	12.498	12.498	0.000	99	2122314	12.5	12.7	
166 7,12-Dimethylbenz(a)anthracene	256	12.970	12.970	0.000	92	921801	12.5	13.9	
167 Benzo[b]fluoranthene	252	12.970	12.970	0.000	97	2181015	12.5	13.5	
168 Benzo[k]fluoranthene	252	13.010	13.010	0.000	100	2245125	12.5	13.2	
169 Benzo[a]pyrene	252	13.436	13.436	0.000	78	1831753	12.5	13.1	
* 170 Perylene-d12	264	13.518	13.518	0.000	98	651289	5.00	5.00	
171 3-Methylcholanthrene	268	13.966	13.966	0.000	92	990084	12.5	13.7	
172 Dibenz[a,h]acridine	279	14.759	14.759	0.000	91	1447574	12.5	13.7	
173 Dibenz[a,j]acridine	279	14.823	14.823	0.000	96	1656618	12.5	14.1	
174 Indeno[1,2,3-cd]pyrene	276	15.068	15.068	0.000	99	1560367	12.5	13.4	
175 Dibenz(a,h)anthracene	278	15.109	15.109	0.000	94	1832017	12.5	13.4	
176 Benzo[g,h,i]perylene	276	15.458	15.458	0.000	97	1811937	12.5	13.1	
S 182 Isosafrole	162				0		12.5	12.9	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_6_00042 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2023 17:56:01 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2311.D

Injection Date: 23-Mar-2023 13:34:30 Instrument ID: HP19760 Operator ID: em10340

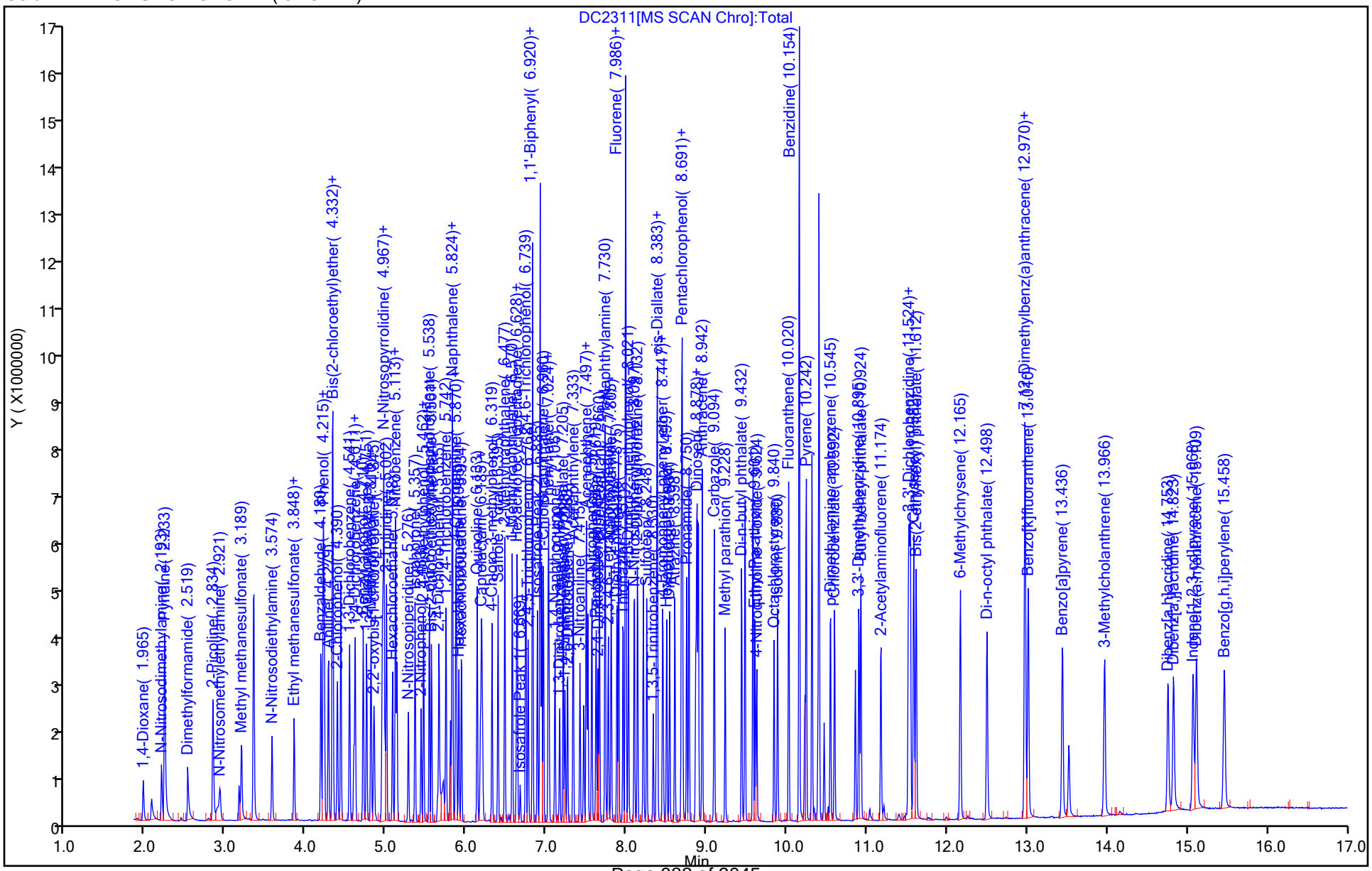
Lims ID: ICIS L6 Worklist Smp#: 2

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)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2312.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Mar-2023 13:56:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0079683-003
Operator ID: em10340 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub26

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 17:56:07 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: P7EB Date: 23-Mar-2023 14:52:20

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	1.965	1.965	0.000	55	3788	0.1250	0.1673	
3 N-Nitrosodimethylamine	74	2.204	2.193	0.012	60	5254	0.1250	0.1498	
4 Pyridine	79	2.245	2.233	0.012	92	16278	0.2500	0.2843	
6 Dimethylformamide	73	2.478	2.519	-0.041	50	1073	0.1250	0.0298	
7 2-Picoline	93	2.845	2.834	0.011	30	6831	0.1250	0.1254	
8 N-Nitrosomethylethylamine	88	2.874	2.921	-0.047	0	12724	0.1250	0.5301	
9 Methyl methanesulfonate	80	3.195	3.189	0.006	44	4183	0.1250	0.1357	
$ 10 2-Fluorophenol	112	3.341	3.347	-0.006	91	9698	0.2500	0.2430	
11 N-Nitrosodiethylamine	102	3.574	3.574	0.000	90	2814	0.1250	0.1296	
12 Ethyl methanesulfonate	109	3.848	3.848	0.000	79	3598	0.1250	0.1520	
$ 16 Phenol-d5	99	4.209	4.215	-0.006	94	15466	0.2500	0.2691	
17 Phenol	94	4.221	4.227	-0.006	42	7394	0.1250	0.1257	a
18 Aniline	93	4.279	4.279	0.000	94	9295	0.1250	0.1275	
19 Bis(2-chloroethyl)ether	93	4.331	4.332	-0.001	95	6300	0.1250	0.1296	
20 2-Chlorophenol	128	4.384	4.390	-0.006	43	4131	0.1250	0.1152	
21 1,3-Dichlorobenzene	146	4.535	4.541	-0.006	81	4244	0.1250	0.1040	
* 22 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	97	136344	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.605	4.611	-0.006	1	5474	0.1250	0.1280	
25 Benzyl alcohol	108	4.710	4.710	0.000	90	3877	0.1250	0.1392	
26 1,2-Dichlorobenzene	146	4.751	4.751	0.000	76	4759	0.1250	0.1208	
28 2-Methylphenol	108	4.804	4.810	-0.006	87	4953	0.1250	0.1295	
29 2,2'-oxybis[1-chloropropane]	45	4.844	4.845	-0.001	90	9756	0.1250	0.1571	
31 N-Nitrosopyrrolidine	100	4.943	4.944	-0.001	82	2953	0.1250	0.1282	
32 4-Methylphenol	108	4.949	4.955	-0.006	69	5029	0.1250	0.1240	
33 N-Nitrosodi-n-propylamine	70	4.961	4.967	-0.006	72	5594	0.1250	0.1434	
34 Acetophenone	105	4.967	4.967	0.000	79	7802	0.1250	0.1243	
35 N-Nitrosomorpholine	56	4.978	4.984	-0.006	38	4589	0.1250	0.1537	
36 2-Toluidine	106	5.002	5.002	0.000	93	8016	0.1250	0.1153	
38 Hexachloroethane	117	5.077	5.078	-0.001	88	2127	0.1250	0.1192	
$ 39 Nitrobenzene-d5	82	5.112	5.113	-0.001	87	13614	0.2500	0.2615	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	5.130	5.130	0.000	82	7761	0.1250	0.1462	
42 N-Nitrosopiperidine	114	5.276	5.276	0.000	84	2252	0.1250	0.1150	
43 Isophorone	82	5.357	5.357	0.000	47	11304	0.1250	0.1237	
44 2-Nitrophenol	139	5.433	5.433	0.000	44	1803	0.1250	0.1128	
45 2,4-Dimethylphenol	107	5.462	5.462	0.000	94	4709	0.1250	0.1180	
46 o,o',o''-Triethylphosphorothioat	198	5.538	5.538	0.000	88	2009	0.1250	0.1156	
47 Bis(2-chloroethoxy)methane	93	5.561	5.561	0.000	93	6703	0.1250	0.1198	
48 2,4-Dichlorophenol	162	5.655	5.655	0.000	80	3045	0.1250	0.1112	
49 1,2,4-Trichlorobenzene	180	5.742	5.742	0.000	91	4111	0.1250	0.1241	
* 50 Naphthalene-d8	136	5.800	5.800	0.000	99	495556	5.00	5.00	
51 Naphthalene	128	5.818	5.818	0.000	97	14045	0.1250	0.1324	
52 Alpha-Terpineol	59	5.824	5.824	0.000	53	3910	0.1250	0.1131	
53 4-Chloroaniline	127	5.864	5.865	-0.001	82	4567	0.1250	0.1091	
54 2,6-Dichlorophenol	162	5.870	5.876	-0.006	80	3589	0.1250	0.1290	
55 Hexachloropropene	213	5.905	5.905	0.000	47	2588	0.1250	0.1159	
56 Hexachlorobutadiene	225	5.940	5.940	0.000	87	2264	0.1250	0.1200	
60 Quinoline	129	6.132	6.133	-0.001	93	8944	0.1250	0.1326	
62 N-Nitrosodi-n-butylamine	84	6.185	6.185	0.000	87	4664	0.1250	0.1183	
63 p-Phenylene diamine	108	6.197	6.197	0.000	40	2446	0.1250	0.0717	
64 4-Chloro-3-methylphenol	107	6.319	6.319	0.000	90	4703	0.1250	0.1327	
65 Safrole, Total	162	6.389	6.395	-0.006	86	3386	0.1250	0.1266	
66 2-Methylnaphthalene	142	6.476	6.477	-0.001	89	8534	0.1250	0.1262	
67 1-Methylnaphthalene	142	6.570	6.570	0.000	93	7865	0.1250	0.1254	
68 Hexachlorocyclopentadiene	237	6.622	6.628	-0.006	63	2581	0.1250	0.1202	
69 1,2,4,5-Tetrachlorobenzene	216	6.634	6.634	0.000	91	4508	0.1250	0.1300	
70 Isosafrole Peak 1	162	6.669	6.669	0.000	1	980	0.0200	0.0314	a
71 2,4,6-Trichlorophenol	196	6.739	6.739	0.000	70	2242	0.1250	0.1117	
72 2,4,5-Trichlorophenol	196	6.768	6.768	0.000	85	2352	0.1250	0.1083	
$ 73 2-Fluorobiphenyl (Surr)	172	6.826	6.826	0.000	99	19211	0.2500	0.2488	
74 Isosafrole Peak 2	162	6.884	6.885	-0.001	78	2996	0.1050	0.0911	
75 1,1'-Biphenyl	154	6.919	6.920	-0.001	95	10487	0.1250	0.1237	
76 2-Chloronaphthalene	162	6.937	6.937	0.000	93	8496	0.1250	0.1295	M
77 1-Chloronaphthalene	162	6.954	6.960	-0.006	96	7749	0.1250	0.1222	Ma
78 Phenyl ether	170	7.018	7.024	-0.006	81	5443	0.1250	0.1165	
79 2-Nitroaniline	138	7.024	7.030	-0.006	52	1855	0.1250	0.0955	
81 1,4-Naphthoquinone	158	7.100	7.106	-0.006	82	2898	0.1250	0.1208	
86 1,3-Dinitrobenzene	168	7.164	7.164	0.000	32	1087	0.1250	0.1098	
85 Dimethyl phthalate	163	7.205	7.205	0.000	94	7723	0.1250	0.1059	
84 1,4-Dinitrobenzene	168	7.222	7.228	-0.006	22	929	0.1250	0.0841	
87 2,6-Dinitrotoluene	165	7.257	7.263	-0.006	19	1358	0.1250	0.0882	a
88 Acenaphthylene	152	7.327	7.333	-0.006	98	12646	0.1250	0.1206	
89 3-Nitroaniline	138	7.415	7.415	0.000	43	1722	0.1250	0.1027	
* 90 Acenaphthene-d10	164	7.461	7.462	-0.001	95	271456	5.00	5.00	
91 Acenaphthene	153	7.491	7.497	-0.006	90	7295	0.1250	0.1089	
92 2,4-Dinitrophenol	184	7.508	7.514	-0.006	71	7476	1.25	3.12	
93 4-Nitrophenol	109	7.555	7.567	-0.011	82	7917	0.7500	0.6577	
94 Pentachlorobenzene	250	7.613	7.619	-0.006	91	3665	0.1250	0.1267	
95 2,4-Dinitrotoluene	165	7.642	7.642	0.000	49	1747	0.1250	0.0844	
96 Dibenzofuran	168	7.660	7.660	0.000	96	11295	0.1250	0.1216	
97 1-Naphthylamine	143	7.730	7.730	0.000	96	7088	0.1250	0.1203	
98 2,3,4,6-Tetrachlorophenol	232	7.730	7.771	-0.040	49	2034	0.1250	0.1109	a
99 2-Naphthylamine	143	7.799	7.805	-0.006	93	7757	0.1250	0.1159	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 Diethyl phthalate	149	7.875	7.875	0.000	96	7480	0.1250	0.1091	
101 Thionazin	107	7.951	7.951	0.000	44	2006	0.1250	0.1429	
102 Fluorene	166	7.980	7.986	-0.006	95	9659	0.1250	0.1286	
103 4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	76	4381	0.1250	0.1184	
104 N-Nitro-o-toluidine	152	7.986	7.992	-0.006	69	2544	0.1250	0.1270	
105 4-Nitroaniline	138	7.986	7.992	-0.006	69	2015	0.1250	0.1102	
106 4,6-Dinitro-2-methylphenol	198	8.021	8.021	0.000	78	6012	0.7500	0.5253	
107 N-Nitrosodiphenylamine	169	8.091	8.097	-0.006	62	5718	0.1063	0.0998	
108 1,2-Diphenylhydrazine	77	8.132	8.132	0.000	42	13784	0.1250	0.1408	
$ 109 2,4,6-Tribromophenol	330	8.207	8.208	-0.001	85	2025	0.2500	0.2167	
110 Sulfotepp	97	8.248	8.248	0.000	75	2340	0.1250	0.1559	
112 1,3,5-Trinitrobenzene	213	8.324	8.330	-0.006	47	672	0.1250	0.0920	
113 cis-Diallate	86	8.365	8.371	-0.006	0	4046	0.0925	0.0978	
114 Phorate	75	8.377	8.383	-0.007	91	5489	0.1250	0.1020	
115 Phenacetin	108	8.377	8.383	-0.007	75	4113	0.1250	0.1108	
116 4-Bromophenyl phenyl ether	248	8.446	8.447	-0.001	63	2737	0.1250	0.1369	
117 trans-Diallate	86	8.441	8.458	-0.017	0	4099	0.0325	0.0952	
118 Hexachlorobenzene	284	8.499	8.499	0.000	90	2998	0.1250	0.1398	
119 Dimethoate	87	8.435	8.534	-0.099	50	367	0.1250	0.0107	
121 Pentachlorophenol	266	8.680	8.686	-0.006	85	5116	0.6250	0.3993	
122 4-Aminobiphenyl	169	8.691	8.691	0.000	88	8495	0.1250	0.1097	
123 Pentachloronitrobenzene	237	8.691	8.697	-0.006	46	972	0.1250	0.1062	
124 Pronamide	173	8.744	8.750	-0.006	79	2453	0.1250	0.0795	
125 Dinoseb	211	8.854	8.860	-0.006	60	1051	0.1250	0.6772	
* 126 Phenanthrene-d10	188	8.866	8.872	-0.006	97	475833	5.00	5.00	
127 Disulfoton	88	8.872	8.878	-0.006	56	14692	0.1250	0.2366	
128 Phenanthrene	178	8.889	8.895	-0.006	94	13304	0.1250	0.1283	
129 Anthracene	178	8.942	8.942	0.000	96	12731	0.1250	0.1238	
130 Carbazole	167	9.088	9.094	-0.006	96	10493	0.1250	0.1141	
131 Methyl parathion	109	9.227	9.228	-0.001	64	1999	0.1250	0.0781	
133 Di-n-butyl phthalate	149	9.431	9.432	-0.001	98	10574	0.1250	0.1062	
134 Ethyl Parathion	109	9.536	9.601	-0.065	51	279	0.1250	0.0186	
135 4-Nitroquinoline-1-oxide	190	9.618	9.624	-0.006	15	351	0.1250	0.4507	
S 136 Diallate	86				0		0.1250	0.1930	
140 Octachlorostyrene	308	9.839	9.840	-0.001	43	1016	0.1250	0.1237	
141 Isodrin	193	9.880	9.880	0.000	81	3554	0.1250	0.2782	
143 Fluoranthene	202	10.020	10.020	0.000	98	12756	0.1250	0.1162	
147 Benzidine	184	10.148	10.154	-0.006	99	18060	0.3750	0.2463	
* 149 Pyrene-d10 (IS)	212	10.218	10.224	-0.006	100	479217	5.00	5.00	
150 Pyrene	202	10.236	10.242	-0.006	97	16850	0.1250	0.1381	
$ 152 p-Terphenyl-d14	244	10.399	10.399	0.000	98	18633	0.2500	0.2354	
154 p-Dimethylamino azobenzene	225	10.539	10.545	-0.006	56	1874	0.1250	0.1008	
155 Chlorobenzilate	139	10.591	10.592	-0.001	83	2537	0.1250	0.0831	
156 3,3'-Dimethylbenzidine	212	10.894	10.895	-0.001	49	5105	0.1250	0.0796	
157 Butyl benzyl phthalate	149	10.918	10.924	-0.006	82	4110	0.1250	0.0924	
158 2-Acetylaminofluorene	181	11.168	11.174	-0.006	47	3112	0.1250	0.3370	
159 3,3'-Dichlorobenzidine	252	11.512	11.518	-0.006	70	3720	0.1250	0.1003	
160 4,4'-Methylene bis(2-chloroani	231	11.524	11.524	0.000	76	1822	0.1250	0.0875	
161 Benzo[a]anthracene	228	11.536	11.542	-0.006	98	10451	0.1250	0.1071	
162 Chrysene	228	11.576	11.582	-0.006	96	11108	0.1250	0.1137	
163 Bis(2-ethylhexyl) phthalate	149	11.606	11.612	-0.006	90	5330	0.1250	0.0894	
164 6-Methylchrysene	242	12.159	12.165	-0.006	96	7850	0.1250	0.1185	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
165 Di-n-octyl phthalate	149	12.492	12.498	-0.006	34	8207	0.1250	0.6624	
166 7,12-Dimethylbenz(a)anthracene	256	12.964	12.970	-0.006	70	4065	0.1250	0.1053	
167 Benzo[b]fluoranthene	252	12.964	12.970	-0.006	94	9643	0.1250	0.1021	
168 Benzo[k]fluoranthene	252	12.999	13.010	-0.011	95	11524	0.1250	0.1166	
169 Benzo[a]pyrene	252	13.430	13.436	-0.006	78	10095	0.1250	0.1235	
* 170 Perylene-d12	264	13.517	13.518	-0.001	97	379469	5.00	5.00	
171 3-Methylcholanthrene	268	13.955	13.966	-0.012	44	4915	0.1250	0.1169	
172 Dibenz[a,h]acridine	279	14.747	14.759	-0.012	22	7419	0.1250	0.1203	a
173 Dibenz[a,j]acridine	279	14.817	14.823	-0.006	92	7089	0.1250	0.1035	M
174 Indeno[1,2,3-cd]pyrene	276	15.062	15.068	-0.006	64	7123	0.1250	0.1050	M
175 Dibenz(a,h)anthracene	278	15.109	15.109	0.000	84	9364	0.1250	0.1171	
176 Benzo[g,h,i]perylene	276	15.452	15.458	-0.006	71	9111	0.1250	0.1132	
S 178 Dinitrotoluene	165				0			0.1726	
S 182 Isosafrole	162				0		0.1250	0.1225	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_1_00028 Amount Added: 1.00 Units: mL

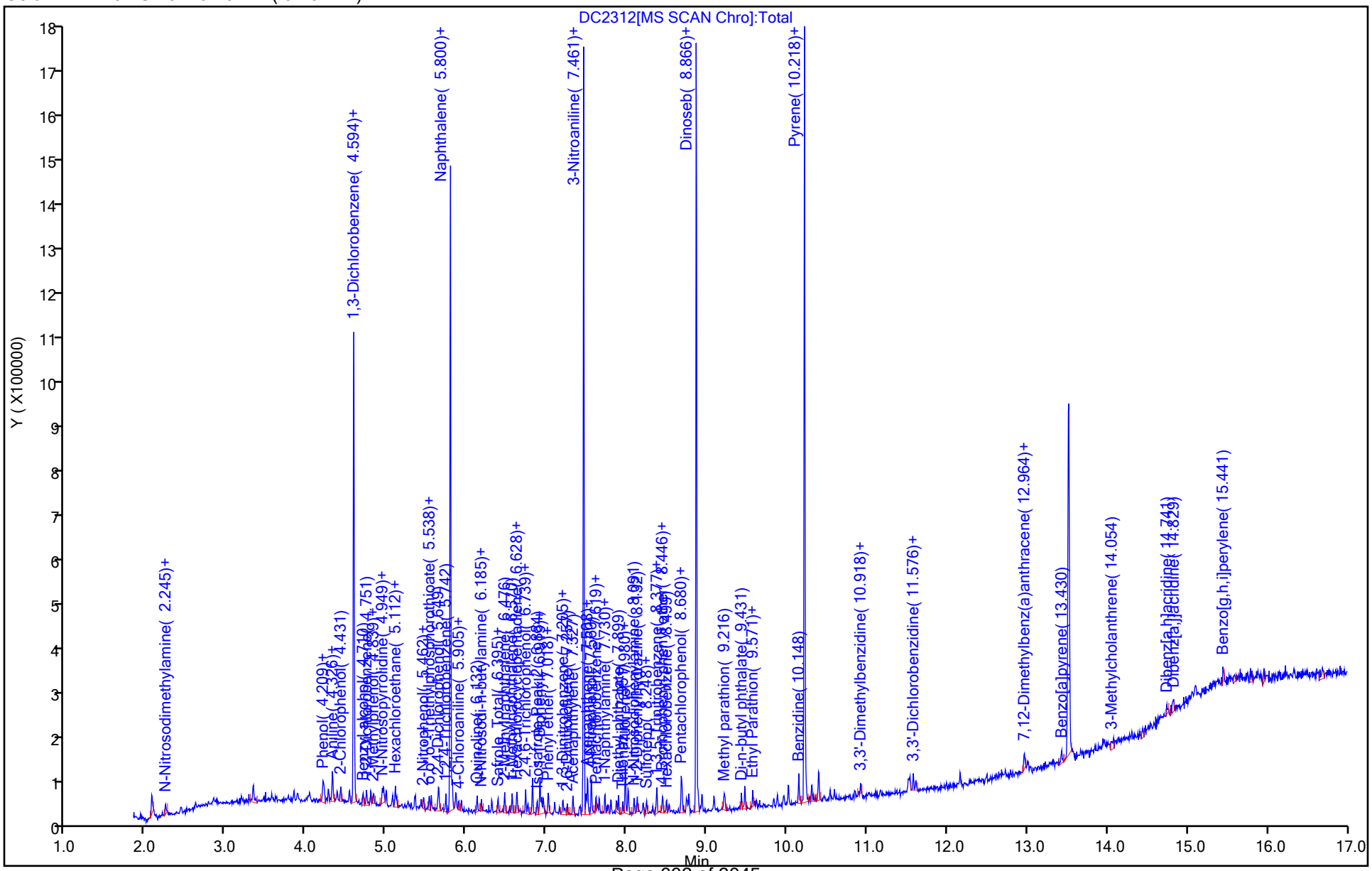
Report Date: 23-Mar-2023 17:56:08 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2312.D

Injection Date:	23-Mar-2023 13:56:30	Instrument ID:	HP19760	Operator ID:	em10340
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

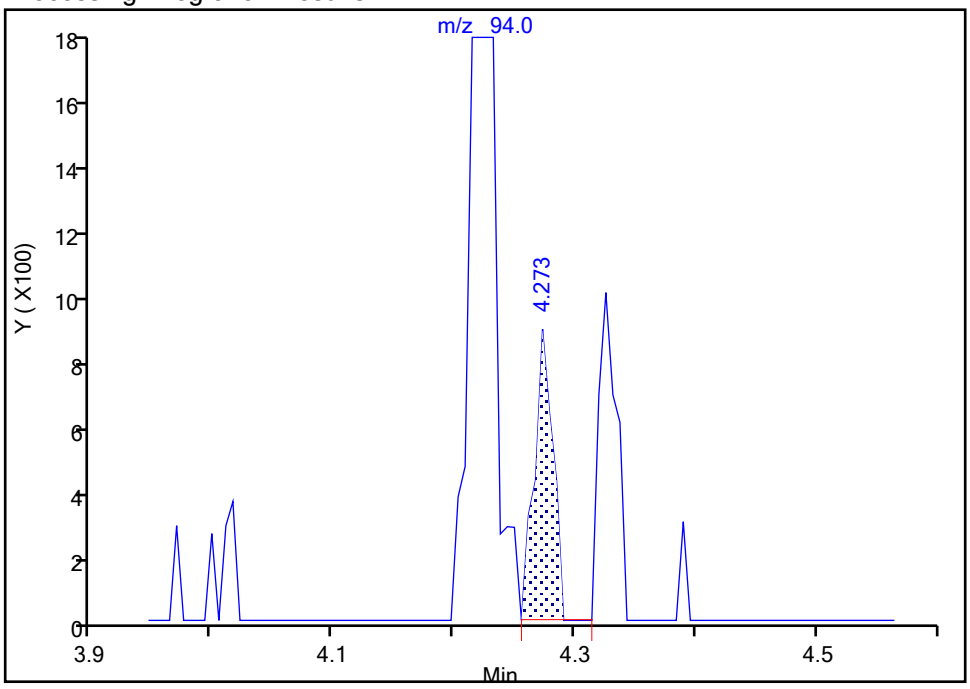
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2312.D				
Injection Date:	23-Mar-2023 13:56:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

17 Phenol, CAS: 108-95-2

Signal: 1

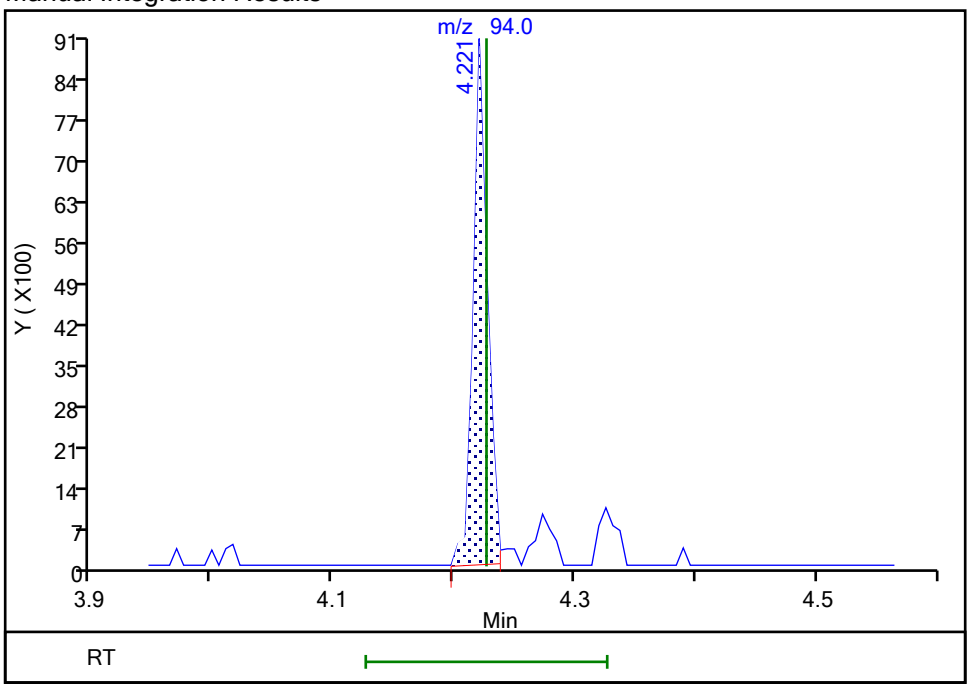
Processing Integration Results

RT: 4.27
Area: 932
Amount: 0.019906
Amount Units: ug/ml



Manual Integration Results

RT: 4.22
Area: 7394
Amount: 0.125652
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 14:51:37
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

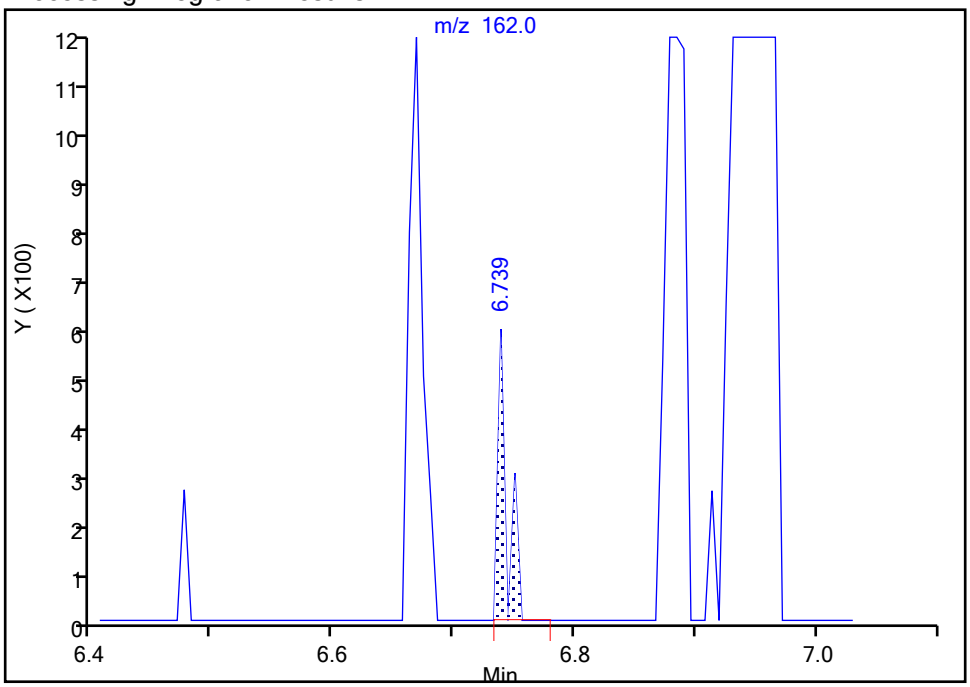
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2312.D				
Injection Date:	23-Mar-2023 13:56:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 Isosafrole Peak 1, CAS: 120-58-1

Signal: 1

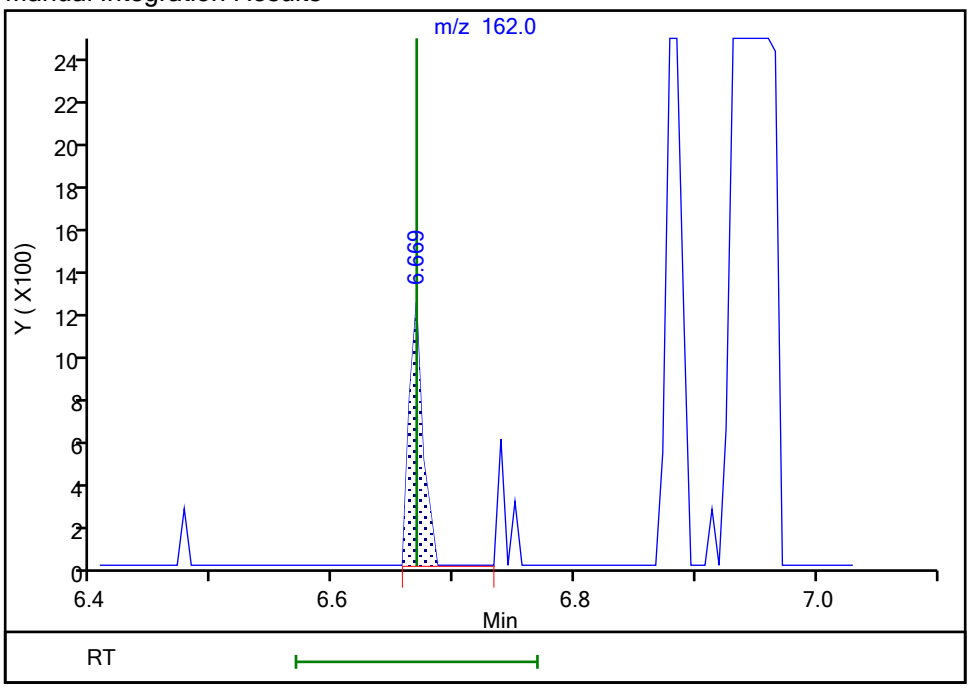
Processing Integration Results

RT: 6.74
Area: 314
Amount: 0.011605
Amount Units: ug/ml



Manual Integration Results

RT: 6.67
Area: 980
Amount: 0.031442
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 14:51:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

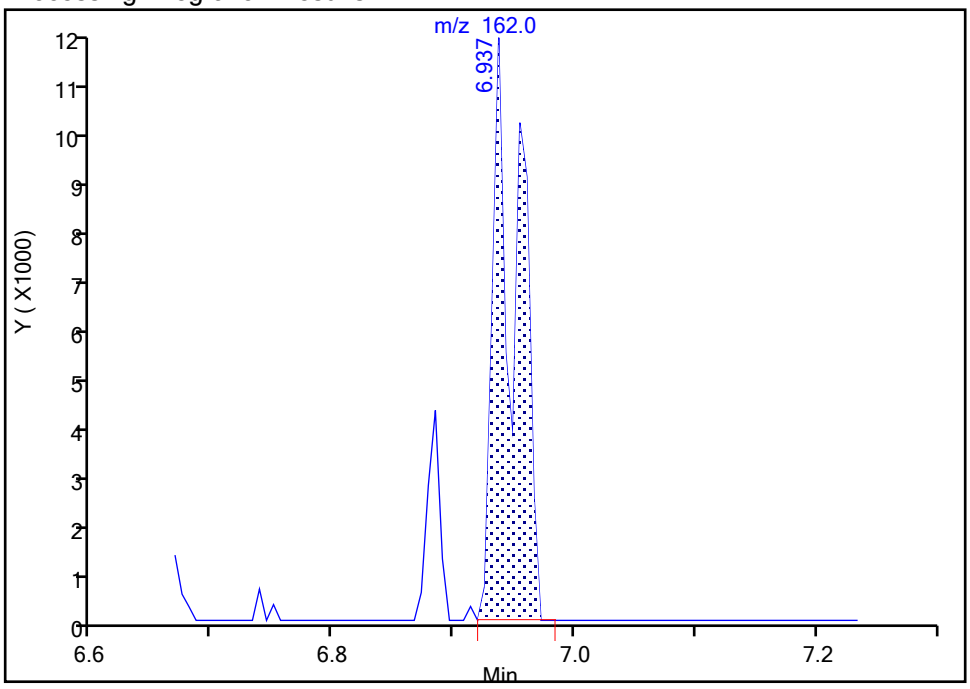
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2312.D				
Injection Date:	23-Mar-2023 13:56:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

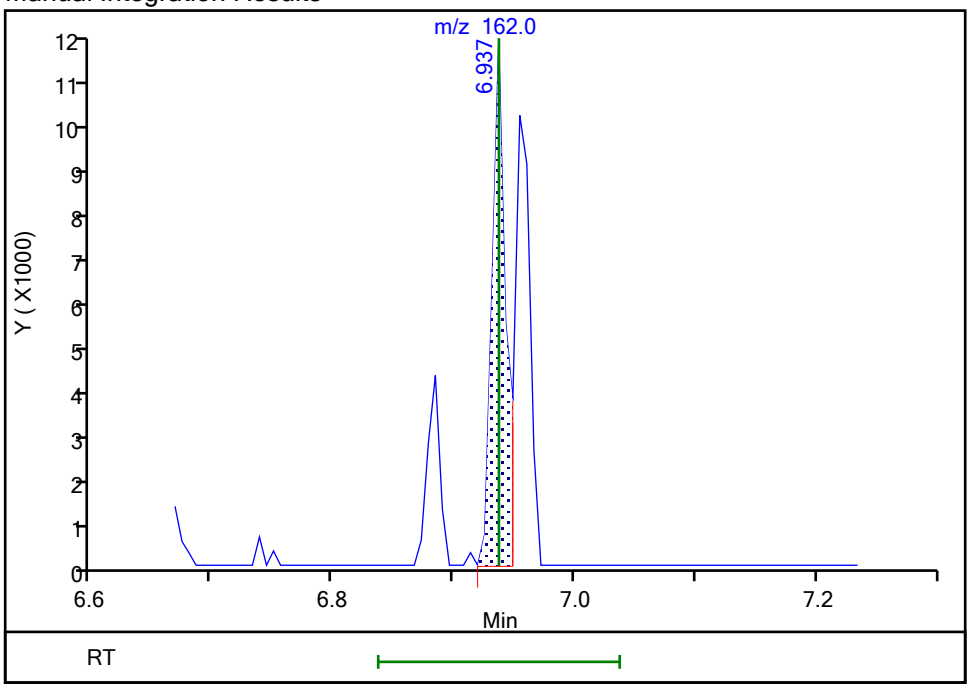
Processing Integration Results

RT: 6.94
Area: 16246
Amount: 0.205194
Amount Units: ug/ml



Manual Integration Results

RT: 6.94
Area: 8496
Amount: 0.129535
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 14:52:08
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

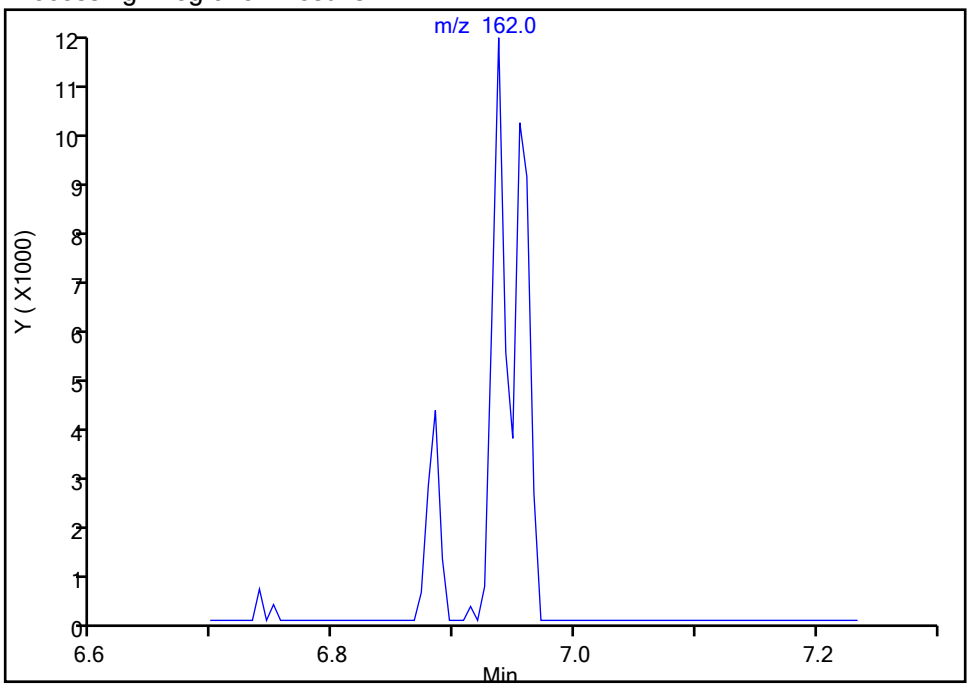
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2312.D				
Injection Date:	23-Mar-2023 13:56:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

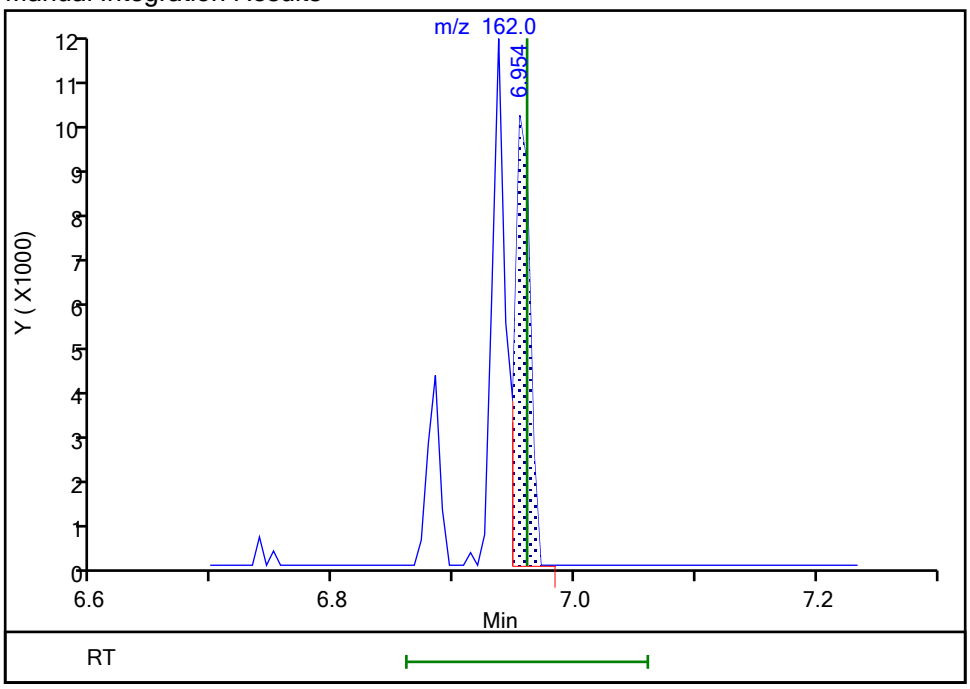
Not Detected
Expected RT: 6.96

Processing Integration Results



Manual Integration Results

RT: 6.95
Area: 7749
Amount: 0.122221
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 14:52:15
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

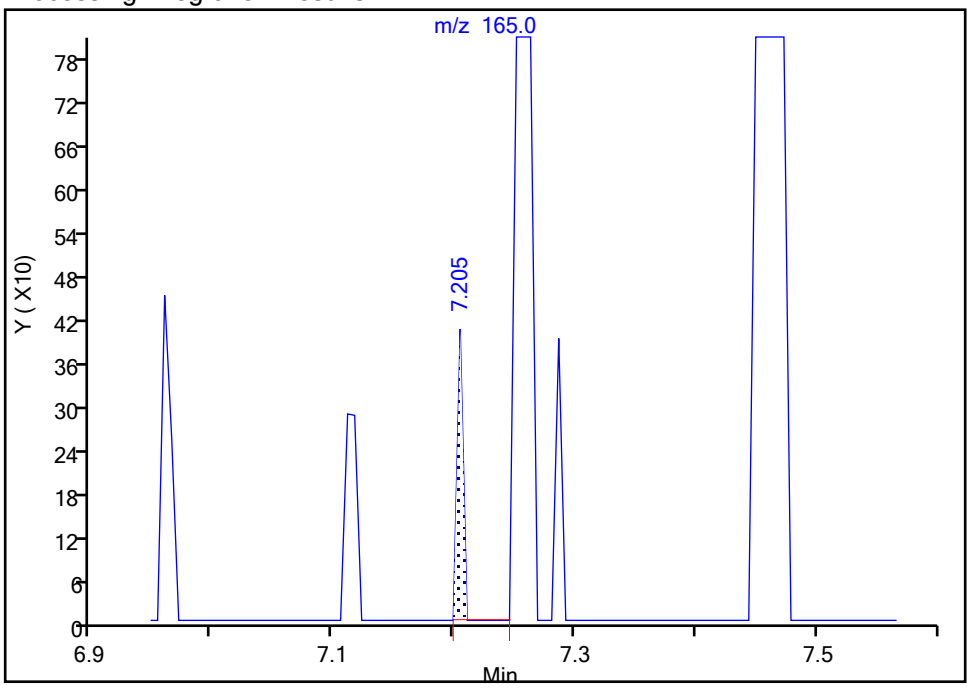
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2312.D				
Injection Date:	23-Mar-2023 13:56:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

87 2,6-Dinitrotoluene, CAS: 606-20-2

Signal: 1

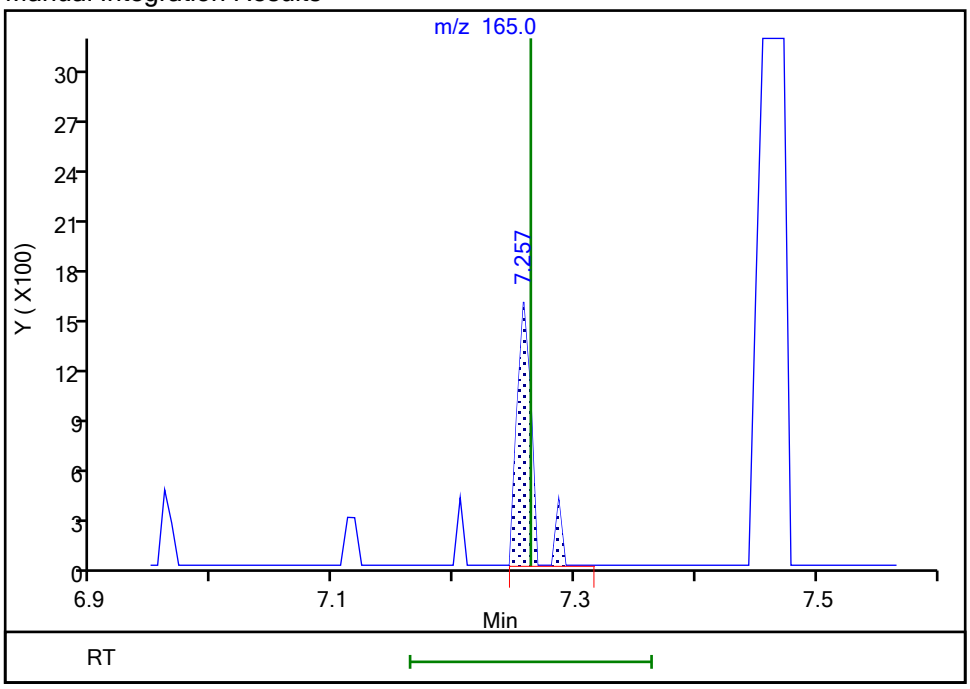
Processing Integration Results

RT: 7.20
Area: 141
Amount: 0.011029
Amount Units: ug/ml



Manual Integration Results

RT: 7.26
Area: 1358
Amount: 0.088194
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 14:54:00
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

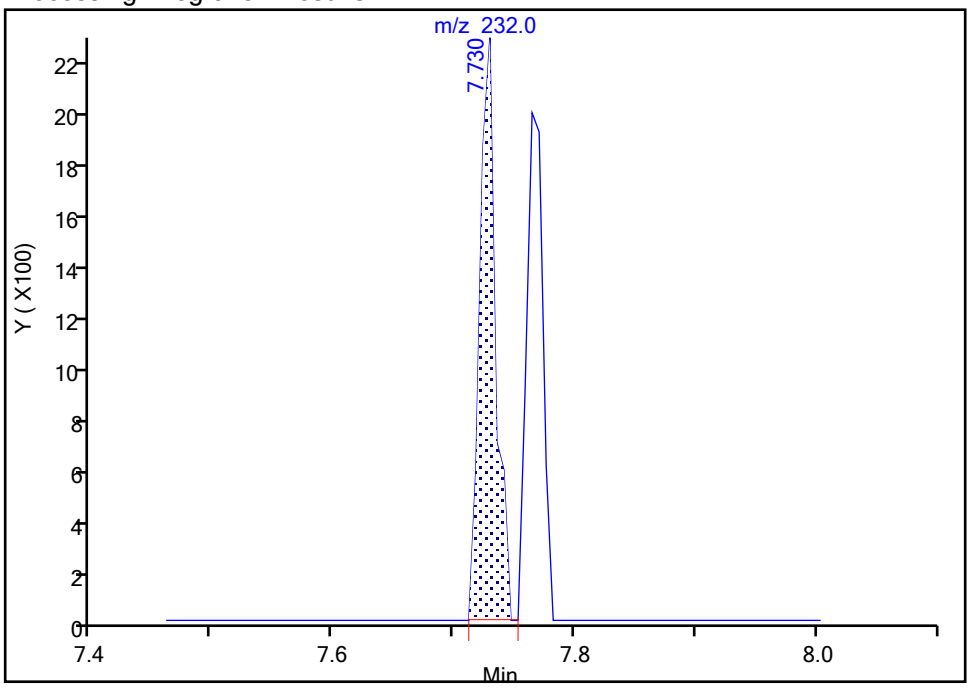
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2312.D				
Injection Date:	23-Mar-2023 13:56:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

98 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

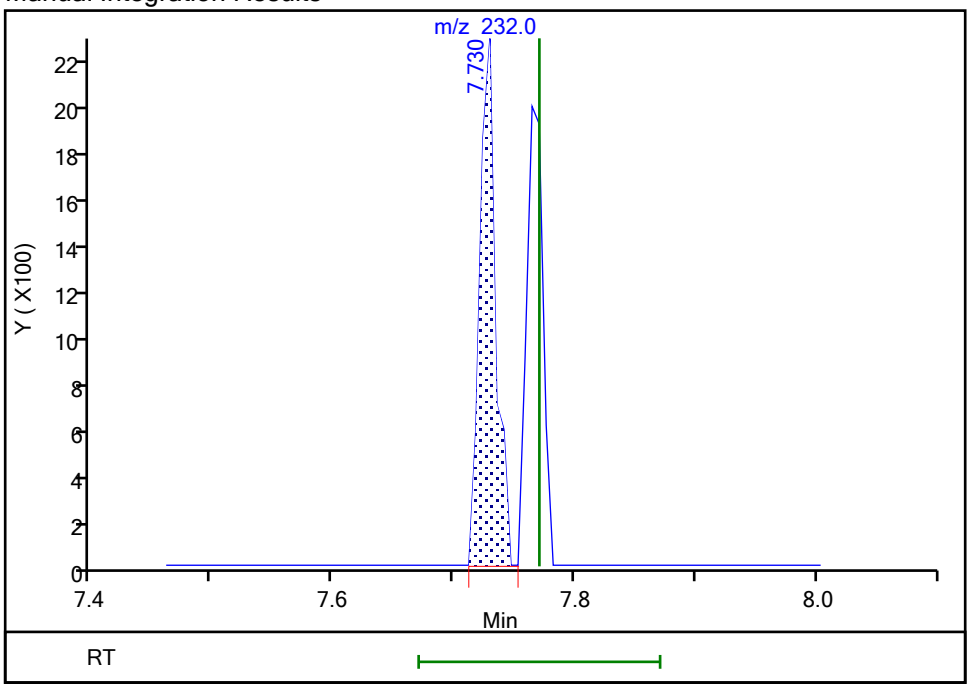
Processing Integration Results

RT: 7.73
Area: 2034
Amount: 0.108083
Amount Units: ug/ml



Manual Integration Results

RT: 7.73
Area: 2034
Amount: 0.110892
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 14:54:15
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

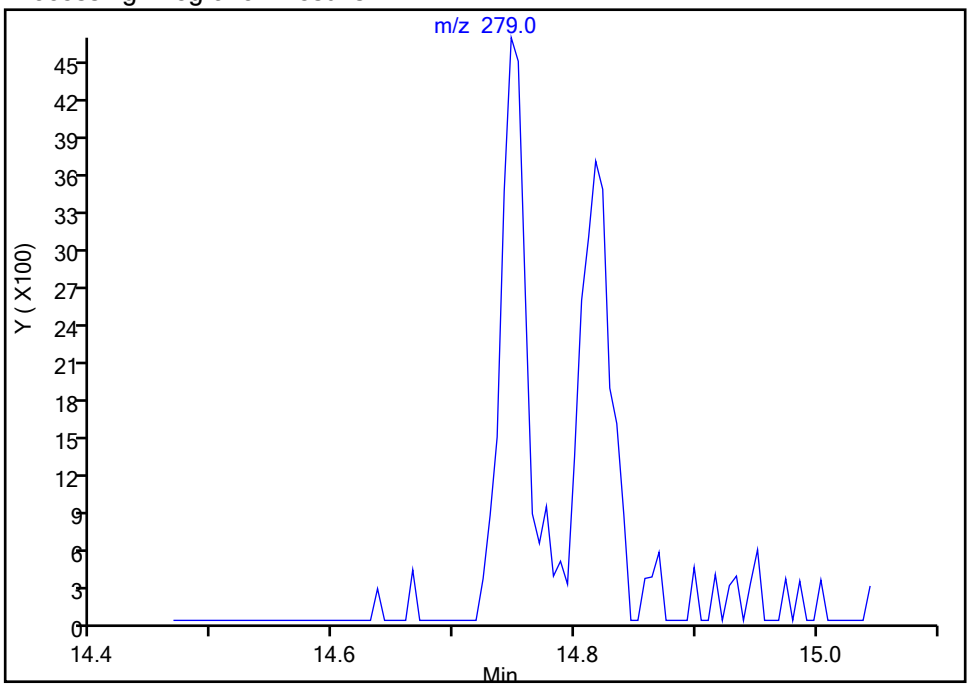
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2312.D				
Injection Date:	23-Mar-2023 13:56:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

172 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

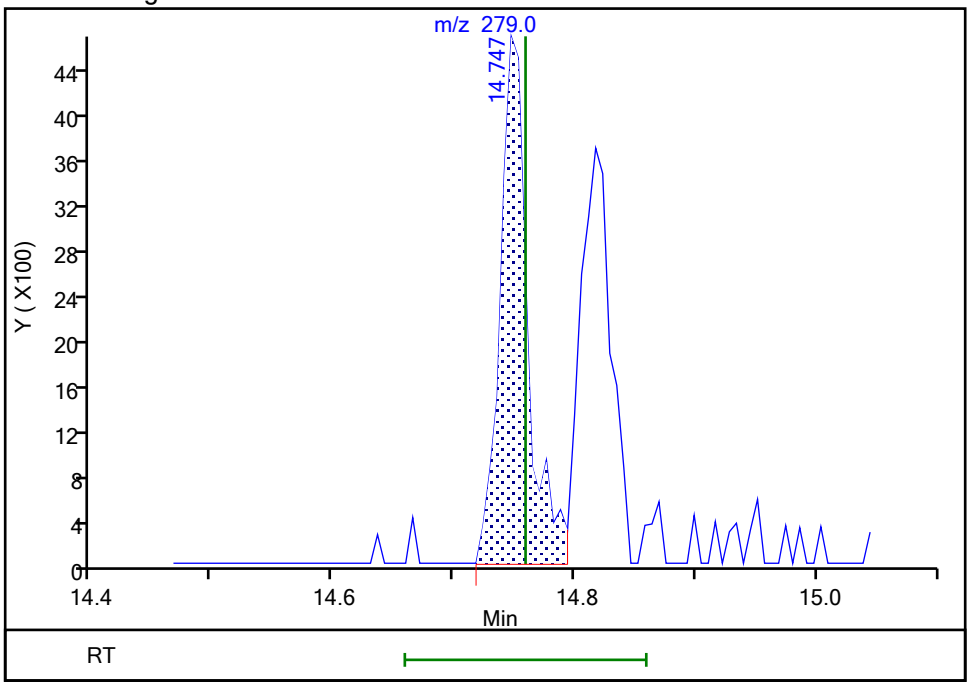
Not Detected
Expected RT: 14.76

Processing Integration Results



Manual Integration Results

RT: 14.75
Area: 7419
Amount: 0.120346
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 14:54:41
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

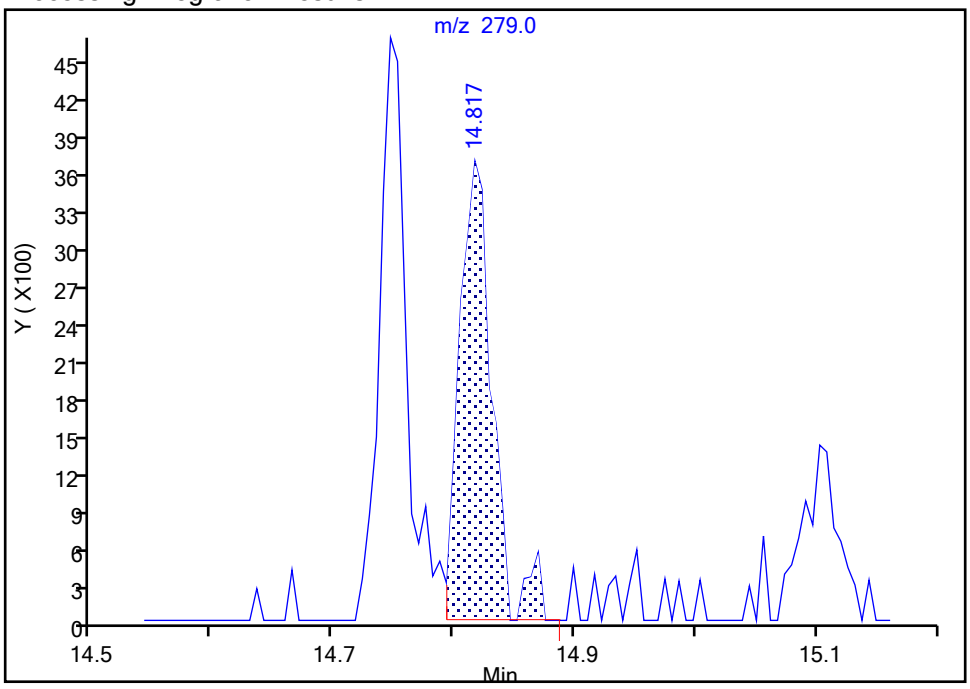
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2312.D				
Injection Date:	23-Mar-2023 13:56:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

173 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

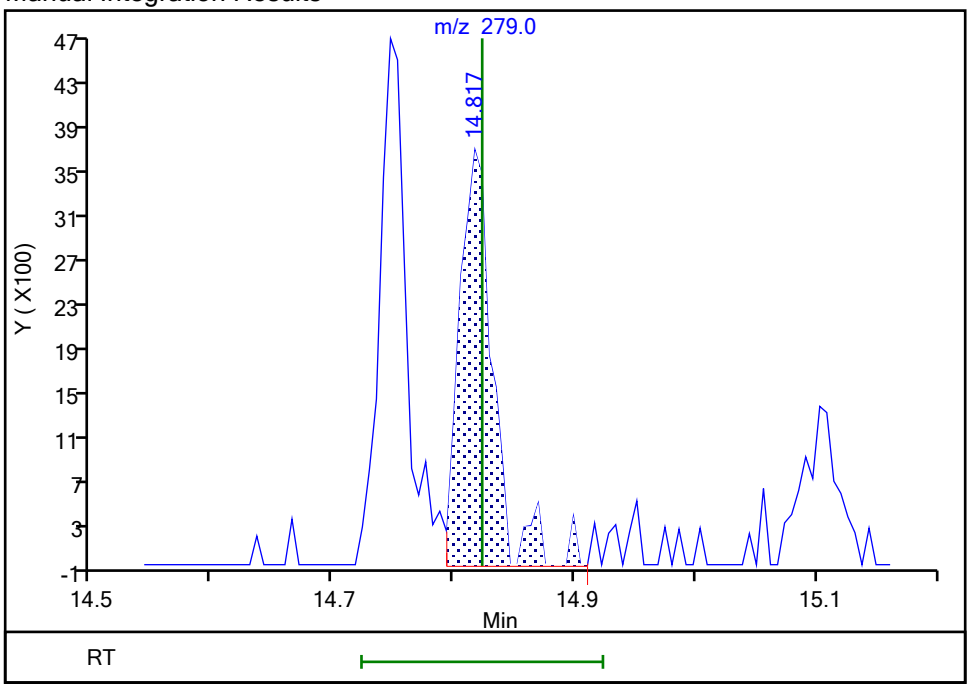
Processing Integration Results

RT: 14.82
Area: 6906
Amount: 0.096590
Amount Units: ug/ml



Manual Integration Results

RT: 14.82
Area: 7089
Amount: 0.103486
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 16:44:05

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

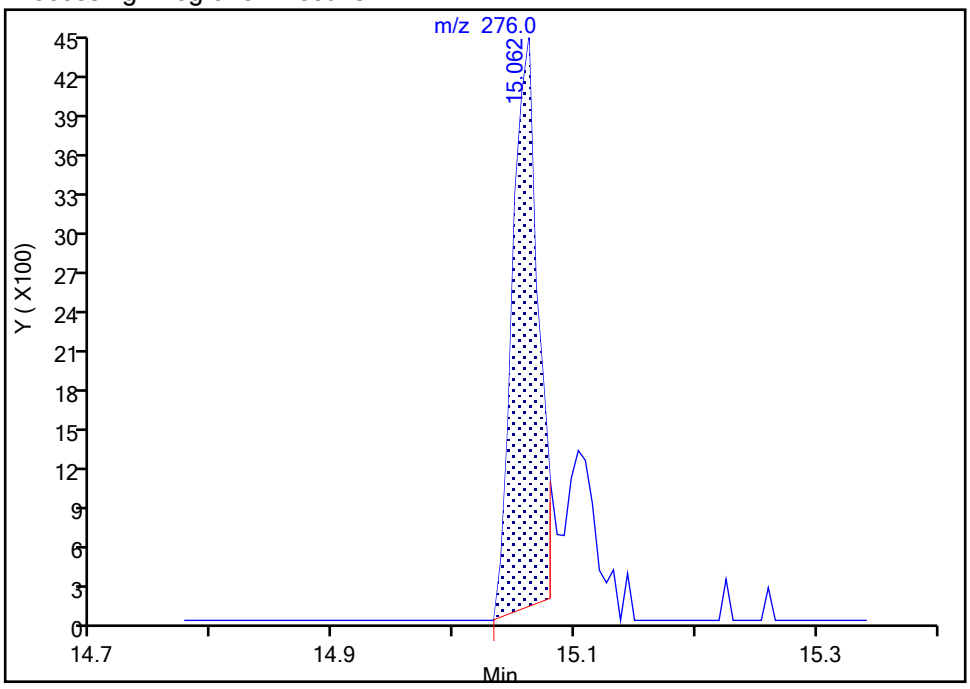
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2312.D				
Injection Date:	23-Mar-2023 13:56:30	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

174 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

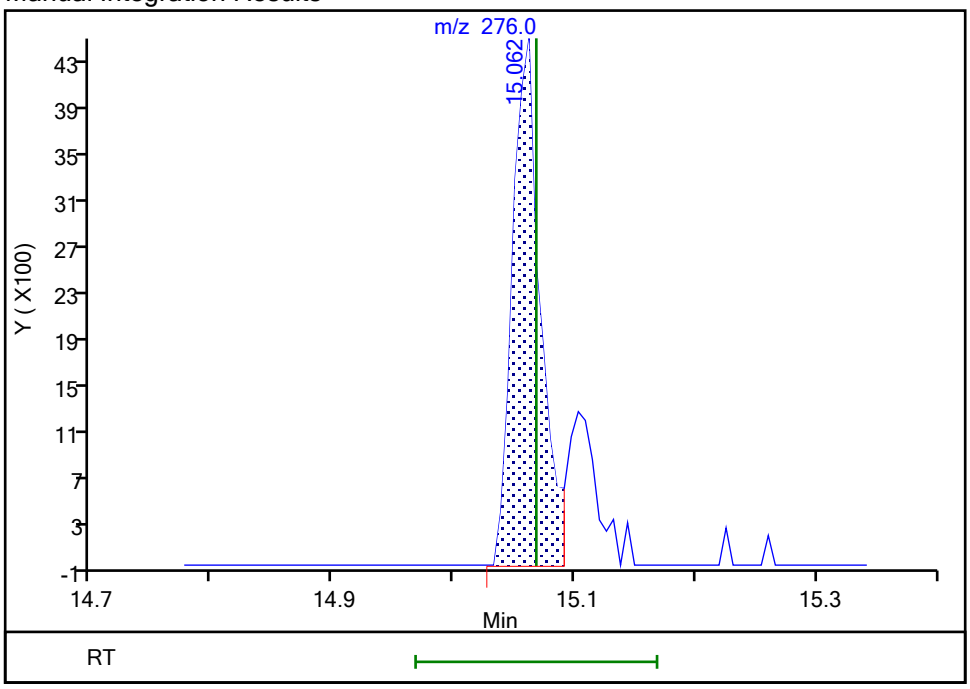
Processing Integration Results

RT: 15.06
Area: 6350
Amount: 0.092992
Amount Units: ug/ml



Manual Integration Results

RT: 15.06
Area: 7123
Amount: 0.105005
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 14:54:59

Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Mar-2023 16:08:30 ALS Bottle#: 9 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0079683-004
Operator ID: em10340 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub26

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 17:56:15 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: P7EB Date: 23-Mar-2023 16:39:20

	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	1.971	1.965	0.006	84	7323	0.2500	0.2647	
	3 N-Nitrosodimethylamine	74	2.210	2.193	0.018	67	11572	0.2500	0.2701	
	4 Pyridine	79	2.251	2.233	0.018	97	38599	0.5000	0.5520	
	6 Dimethylformamide	73	2.606	2.519	0.087	76	4931	0.2500	0.1121	
	7 2-Picoline	93	2.851	2.834	0.017	89	18283	0.2500	0.2747	
	8 N-Nitrosomethylethylamine	88	2.979	2.921	0.058	1	2852	0.2500	0.0973	
	9 Methyl methanesulfonate	80	3.195	3.189	0.006	84	9929	0.2500	0.2637	
$	10 2-Fluorophenol	112	3.341	3.347	-0.006	93	23791	0.5000	0.4881	
	11 N-Nitrosodiethylamine	102	3.574	3.574	0.000	96	6119	0.2500	0.2308	
	12 Ethyl methanesulfonate	109	3.848	3.848	0.000	96	7290	0.2500	0.2521	
	15 Benzaldehyde	77	4.180	4.180	0.000	92	15058	0.2500	0.2783	
$	16 Phenol-d5	99	4.209	4.215	-0.006	95	33079	0.5000	0.4713	
	17 Phenol	94	4.227	4.227	0.000	91	17835	0.2500	0.2481	
	18 Aniline	93	4.279	4.279	0.000	96	21560	0.2500	0.2421	
	19 Bis(2-chloroethyl)ether	93	4.332	4.332	0.000	88	14641	0.2500	0.2466	
	20 2-Chlorophenol	128	4.390	4.390	0.000	92	10367	0.2500	0.2367	
	21 1,3-Dichlorobenzene	146	4.541	4.541	0.000	94	13476	0.2500	0.2703	
*	22 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	97	166543	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.611	4.611	0.000	90	13790	0.2500	0.2640	
	25 Benzyl alcohol	108	4.710	4.710	0.000	86	7530	0.2500	0.2213	
	26 1,2-Dichlorobenzene	146	4.751	4.751	0.000	88	11280	0.2500	0.2344	
	28 2-Methylphenol	108	4.804	4.810	-0.006	92	11155	0.2500	0.2387	
	29 2,2'-oxybis[1-chloropropane]	45	4.844	4.845	-0.001	93	20905	0.2500	0.2755	
	31 N-Nitrosopyrrolidine	100	4.944	4.944	0.000	65	6787	0.2500	0.2412	
	32 4-Methylphenol	108	4.949	4.955	-0.006	78	11779	0.2500	0.2378	
	33 N-Nitrosodi-n-propylamine	70	4.967	4.967	0.000	76	11980	0.2500	0.2515	
	34 Acetophenone	105	4.967	4.967	0.000	93	19062	0.2500	0.2486	
	35 N-Nitrosomorpholine	56	4.984	4.984	0.000	81	9500	0.2500	0.2605	
	36 2-Toluidine	106	5.002	5.002	0.000	93	20345	0.2500	0.2395	
	38 Hexachloroethane	117	5.078	5.078	0.000	88	5569	0.2500	0.2554	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	5.113	5.113	0.000	86	31619	0.5000	0.4892	
40 Nitrobenzene	77	5.130	5.130	0.000	86	15166	0.2500	0.2302	
42 N-Nitrosopiperidine	114	5.276	5.276	0.000	86	5944	0.2500	0.2445	
43 Isophorone	82	5.357	5.357	0.000	96	27325	0.2500	0.2409	
44 2-Nitrophenol	139	5.433	5.433	0.000	84	4275	0.2500	0.2156	
45 2,4-Dimethylphenol	107	5.462	5.462	0.000	93	11267	0.2500	0.2275	
46 o,o',o''-Triethylphosphorothioat	198	5.538	5.538	0.000	91	4966	0.2500	0.2302	
47 Bis(2-chloroethoxy)methane	93	5.561	5.561	0.000	98	18006	0.2500	0.2593	
48 2,4-Dichlorophenol	162	5.655	5.655	0.000	76	7275	0.2500	0.2140	
49 1,2,4-Trichlorobenzene	180	5.742	5.742	0.000	92	10803	0.2500	0.2627	
* 50 Naphthalene-d8	136	5.800	5.800	0.000	100	615065	5.00	5.00	
51 Naphthalene	128	5.818	5.818	0.000	97	33625	0.2500	0.2553	
52 Alpha-Terpineol	59	5.824	5.824	0.000	88	11565	0.2500	0.2696	
53 4-Chloroaniline	127	5.864	5.865	-0.001	87	11374	0.2500	0.2189	
54 2,6-Dichlorophenol	162	5.876	5.876	0.000	82	6946	0.2500	0.2012	
55 Hexachloropropene	213	5.905	5.905	0.000	88	6245	0.2500	0.2254	
56 Hexachlorobutadiene	225	5.940	5.940	0.000	93	6396	0.2500	0.2732	
60 Quinoline	129	6.133	6.133	0.000	93	20035	0.2500	0.2394	
61 Caprolactam	113	6.162	6.173	-0.011	40	3651	0.2500	0.2664	
62 N-Nitrosodi-n-butylamine	84	6.185	6.185	0.000	91	15960	0.2500	0.3261	
63 p-Phenylene diamine	108	6.197	6.197	0.000	61	3621	0.2500	0.0855	
64 4-Chloro-3-methylphenol	107	6.313	6.319	-0.006	88	9440	0.2500	0.2147	
65 Safrole, Total	162	6.395	6.395	0.000	76	7536	0.2500	0.2270	
66 2-Methylnaphthalene	142	6.476	6.477	-0.001	87	20972	0.2500	0.2499	
67 1-Methylnaphthalene	142	6.570	6.570	0.000	91	19120	0.2500	0.2457	
68 Hexachlorocyclopentadiene	237	6.622	6.628	-0.006	91	6257	0.2500	0.2397	
69 1,2,4,5-Tetrachlorobenzene	216	6.634	6.634	0.000	96	10339	0.2500	0.2452	
70 Isosafrole Peak 1	162	6.669	6.669	0.000	27	1589	0.0400	0.0419	a
71 2,4,6-Trichlorophenol	196	6.739	6.739	0.000	77	5418	0.2500	0.2220	
72 2,4,5-Trichlorophenol	196	6.768	6.768	0.000	90	6085	0.2500	0.2304	
$ 73 2-Fluorobiphenyl (Surr)	172	6.826	6.826	0.000	99	48760	0.5000	0.5193	
74 Isosafrole Peak 2	162	6.884	6.885	-0.001	90	8413	0.2100	0.2103	
75 1,1'-Biphenyl	154	6.919	6.920	-0.001	95	24739	0.2500	0.2400	
76 2-Chloronaphthalene	162	6.937	6.937	0.000	96	20060	0.2500	0.2515	
77 1-Chloronaphthalene	162	6.960	6.960	0.000	96	18556	0.2500	0.2407	
78 Phenyl ether	170	7.019	7.024	-0.005	86	15329	0.2500	0.2697	
79 2-Nitroaniline	138	7.024	7.030	-0.006	51	4247	0.2500	0.1798	
81 1,4-Naphthoquinone	158	7.100	7.106	-0.006	81	6099	0.2500	0.2090	
86 1,3-Dinitrobenzene	168	7.164	7.164	0.000	79	1803	0.2500	0.1498	
85 Dimethyl phthalate	163	7.205	7.205	0.000	97	21313	0.2500	0.2404	
84 1,4-Dinitrobenzene	168	7.228	7.228	0.000	77	2760	0.2500	0.2055	
87 2,6-Dinitrotoluene	165	7.257	7.263	-0.006	85	4227	0.2500	0.2258	
88 Acenaphthylene	152	7.327	7.333	-0.006	99	29864	0.2500	0.2342	
89 3-Nitroaniline	138	7.415	7.415	0.000	85	4312	0.2500	0.2115	
* 90 Acenaphthene-d10	164	7.461	7.462	-0.001	94	330095	5.00	5.00	
91 Acenaphthene	153	7.491	7.497	-0.006	97	21817	0.2500	0.2679	
92 2,4-Dinitrophenol	184	7.514	7.514	0.000	77	19191	2.50	3.83	
93 4-Nitrophenol	109	7.561	7.567	-0.005	81	17305	1.50	1.18	
94 Pentachlorobenzene	250	7.613	7.619	-0.006	95	9342	0.2500	0.2655	
95 2,4-Dinitrotoluene	165	7.636	7.642	-0.006	81	4997	0.2500	0.1985	
96 Dibenzofuran	168	7.660	7.660	0.000	96	27804	0.2500	0.2462	
97 1-Naphthylamine	143	7.730	7.730	0.000	96	15768	0.2500	0.2201	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.770	7.771	0.000	73	4953	0.2500	0.2221	
99 2-Naphthylamine	143	7.805	7.805	0.000	95	18316	0.2500	0.2250	
100 Diethyl phthalate	149	7.875	7.875	0.000	96	19483	0.2500	0.2337	
101 Thionazin	107	7.951	7.951	0.000	77	3929	0.2500	0.2302	
102 Fluorene	166	7.980	7.986	-0.006	92	22667	0.2500	0.2482	
103 4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	76	11078	0.2500	0.2463	
104 N-Nitro-o-toluidine	152	7.986	7.992	-0.006	66	4355	0.2500	0.1788	
105 4-Nitroaniline	138	7.986	7.992	-0.006	68	3953	0.2500	0.1777	
106 4,6-Dinitro-2-methylphenol	198	8.015	8.021	-0.006	73	13906	1.50	0.9531	
107 N-Nitrosodiphenylamine	169	8.091	8.097	-0.006	63	14794	0.2125	0.2026	
108 1,2-Diphenylhydrazine	77	8.132	8.132	0.000	42	29233	0.2500	0.2342	
$ 109 2,4,6-Tribromophenol	330	8.208	8.208	0.000	88	4416	0.5000	0.3886	
110 Sulfotepp	97	8.248	8.248	0.000	73	4178	0.2500	0.2183	
112 1,3,5-Trinitrobenzene	213	8.324	8.330	-0.006	76	1485	0.2500	0.1595	
113 cis-Diallate	86	8.371	8.371	0.000	0	11757	0.1850	0.2228	
114 Phorate	75	8.377	8.383	-0.006	91	14899	0.2500	0.2171	
115 Phenacetin	108	8.377	8.383	-0.006	77	9781	0.2500	0.2067	
116 4-Bromophenyl phenyl ether	248	8.447	8.447	0.000	69	5340	0.2500	0.2096	
117 trans-Diallate	86	8.458	8.458	0.000	0	4155	0.0650	0.0757	
118 Hexachlorobenzene	284	8.499	8.499	0.000	90	7018	0.2500	0.2567	
119 Dimethoate	87	8.528	8.534	-0.006	95	8572	0.2500	0.1966	
120 Atrazine	200	8.598	8.598	0.000	86	5894	0.2500	0.2294	
121 Pentachlorophenol	266	8.680	8.686	-0.006	91	15785	1.25	0.9665	
122 4-Aminobiphenyl	169	8.691	8.691	0.000	89	22883	0.2500	0.2317	
123 Pentachloronitrobenzene	237	8.697	8.697	0.000	83	2606	0.2500	0.2234	
124 Pronamide	173	8.744	8.750	-0.006	89	6754	0.2500	0.1718	
125 Dinoseb	211	8.860	8.860	0.000	61	2782	0.2500	0.7390	
* 126 Phenanthrene-d10	188	8.866	8.872	-0.006	97	606597	5.00	5.00	
127 Disulfoton	88	8.872	8.878	-0.006	90	25533	0.2500	0.3226	
128 Phenanthrene	178	8.890	8.895	-0.005	98	34686	0.2500	0.2624	
129 Anthracene	178	8.942	8.942	0.000	98	30856	0.2500	0.2354	
130 Carbazole	167	9.088	9.094	-0.006	97	26198	0.2500	0.2235	
131 Methyl parathion	109	9.228	9.228	0.000	88	5736	0.2500	0.1759	
133 Di-n-butyl phthalate	149	9.432	9.432	0.000	99	27432	0.2500	0.2161	
134 Ethyl Parathion	109	9.601	9.601	0.000	79	3586	0.2500	0.1879	
135 4-Nitroquinoline-1-oxide	190	9.618	9.624	-0.006	67	1356	0.2500	0.5579	
S 136 Diallate	86				0		0.2500	0.2985	
140 Octachlorostyrene	308	9.840	9.840	0.000	84	2611	0.2500	0.2493	
141 Isodrin	193	9.880	9.880	0.000	86	4655	0.2500	0.2858	
143 Fluoranthene	202	10.020	10.020	0.000	99	31583	0.2500	0.2256	
147 Benzidine	184	10.148	10.154	-0.006	99	49686	0.7500	0.5318	
* 149 Pyrene-d10 (IS)	212	10.218	10.224	-0.006	99	610606	5.00	5.00	
150 Pyrene	202	10.236	10.242	-0.006	97	39924	0.2500	0.2568	
$ 152 p-Terphenyl-d14	244	10.399	10.399	0.000	99	50359	0.5000	0.4994	
154 p-Dimethylamino azobenzene	225	10.539	10.545	-0.006	91	3599	0.2500	0.1520	
155 Chlorobenzilate	139	10.591	10.592	-0.001	85	7944	0.2500	0.2042	
156 3,3'-Dimethylbenzidine	212	10.895	10.895	0.000	97	13749	0.2500	0.1683	
157 Butyl benzyl phthalate	149	10.918	10.924	-0.006	92	9632	0.2500	0.1700	
158 2-Acetylaminofluorene	181	11.163	11.174	-0.011	93	5991	0.2500	0.3760	
159 3,3'-Dichlorobenzidine	252	11.512	11.518	-0.006	53	7927	0.2500	0.1677	
160 4,4'-Methylene bis(2-chloroani	231	11.518	11.524	-0.006	65	4808	0.2500	0.1812	
161 Benzo[a]anthracene	228	11.536	11.542	-0.006	95	26766	0.2500	0.2153	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	11.577	11.582	-0.006	96	28998	0.2500	0.2329	
163 Bis(2-ethylhexyl) phthalate	149	11.611	11.612	-0.001	91	11615	0.2500	0.1530	
164 6-Methylchrysene	242	12.159	12.165	-0.006	96	17895	0.2500	0.2120	
165 Di-n-octyl phthalate	149	12.492	12.498	-0.006	97	17253	0.2500	0.7107	
166 7,12-Dimethylbenz(a)anthracene	256	12.958	12.970	-0.012	67	10377	0.2500	0.2047	
167 Benzo[b]fluoranthene	252	12.964	12.970	-0.006	96	28483	0.2500	0.2298	
168 Benzo[k]fluoranthene	252	13.005	13.010	-0.005	99	27794	0.2500	0.2142	
169 Benzo[a]pyrene	252	13.436	13.436	0.000	78	25624	0.2500	0.2388	
* 170 Perylene-d12	264	13.512	13.518	-0.006	97	498198	5.00	5.00	
171 3-Methylcholanthrene	268	13.955	13.966	-0.011	89	11935	0.2500	0.2162	
172 Dibenz[a,h]acridine	279	14.747	14.759	-0.012	90	16818	0.2500	0.2078	
173 Dibenz[a,j]acridine	279	14.817	14.823	-0.006	35	18104	0.2500	0.2013	Ma
174 Indeno[1,2,3-cd]pyrene	276	15.062	15.068	-0.006	97	20052	0.2500	0.2252	
175 Dibenz(a,h)anthracene	278	15.103	15.109	-0.006	35	22451	0.2500	0.2139	
176 Benzo[g,h,i]perylene	276	15.447	15.458	-0.011	96	25743	0.2500	0.2435	
S 178 Dinitrotoluene	165				0			0.4243	
S 182 Isosafrole	162				0		0.2500	0.2522	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_2_00029 Amount Added: 1.00 Units: mL

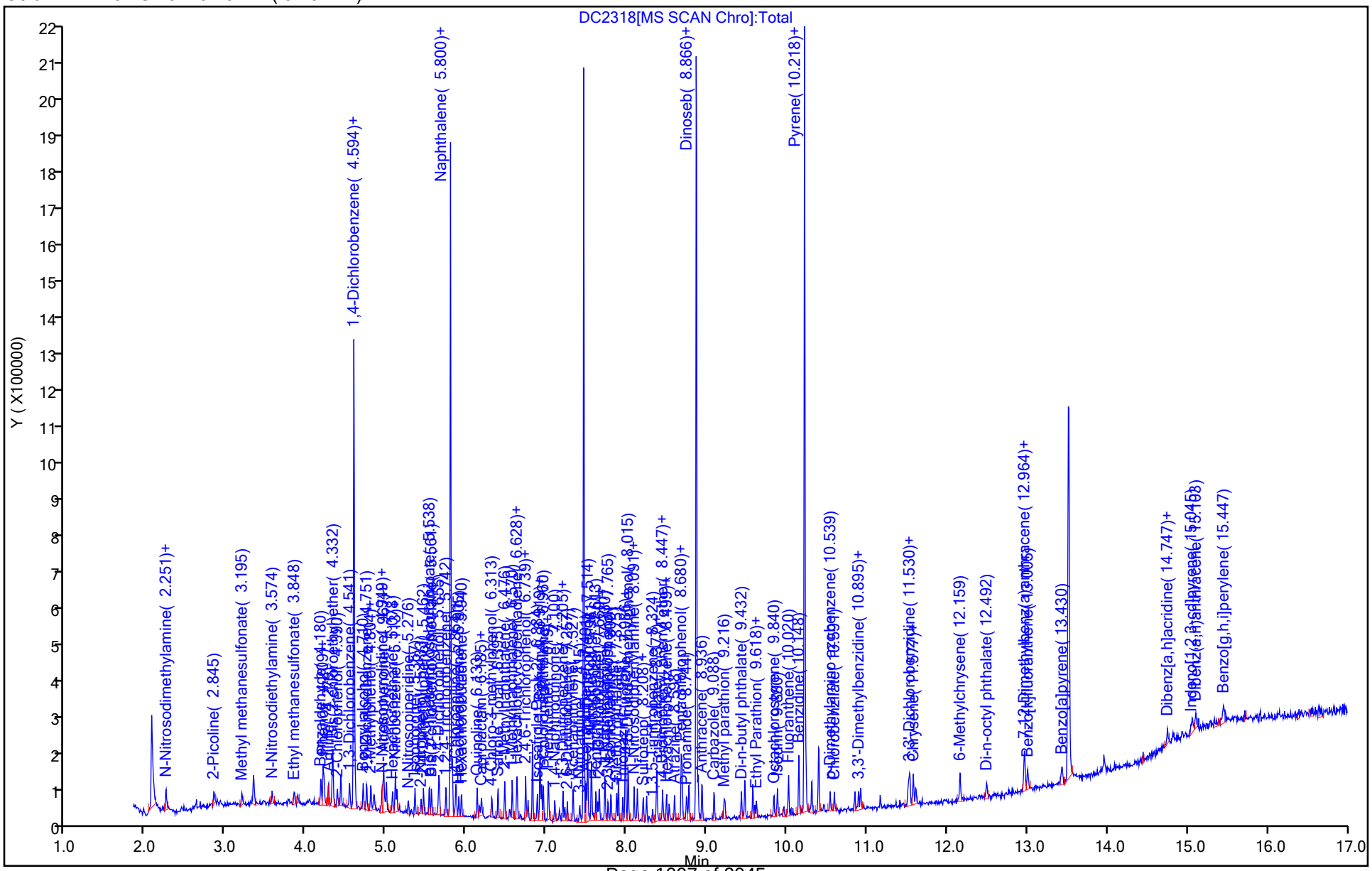
Report Date: 23-Mar-2023 17:56:16 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Injection Date:	23-Mar-2023 16:08:30	Instrument ID:	HP19760	Operator ID:	em10340
Lims ID:	IC L2			Worklist Smp#:	4
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

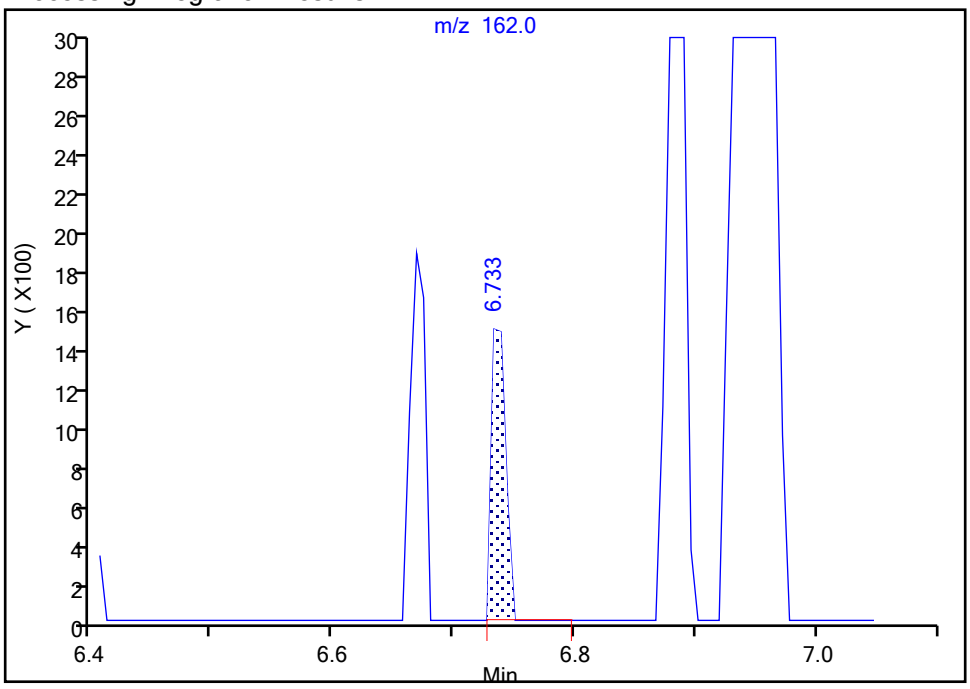
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D				
Injection Date:	23-Mar-2023 16:08:30	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	9	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 Isosafrole Peak 1, CAS: 120-58-1

Signal: 1

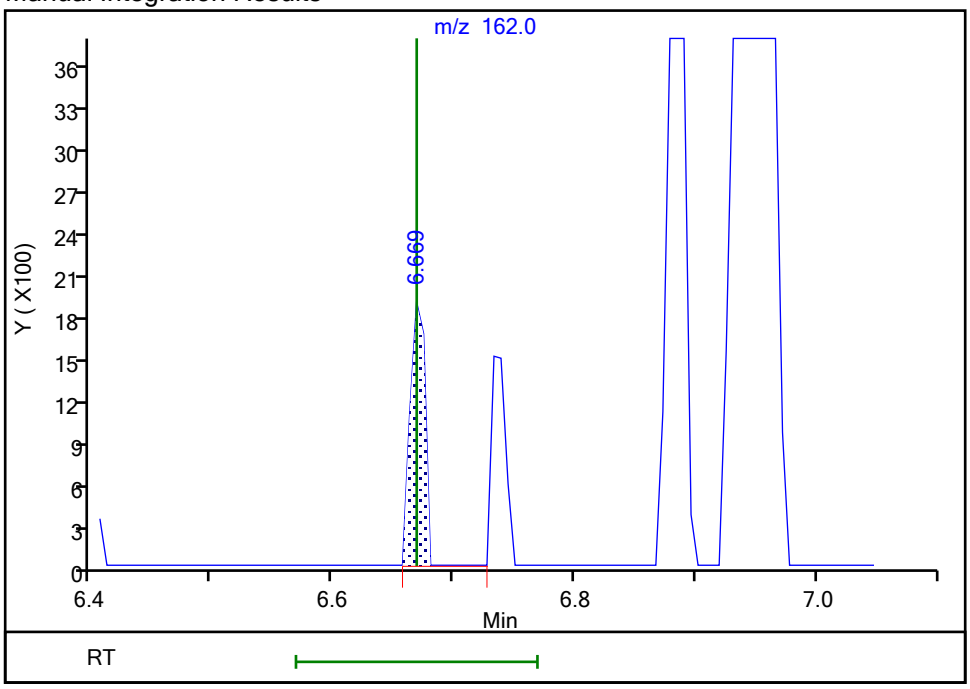
Processing Integration Results

RT: 6.73
Area: 1227
Amount: 0.028632
Amount Units: ug/ml



Manual Integration Results

RT: 6.67
Area: 1589
Amount: 0.041924
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 16:33:16

Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

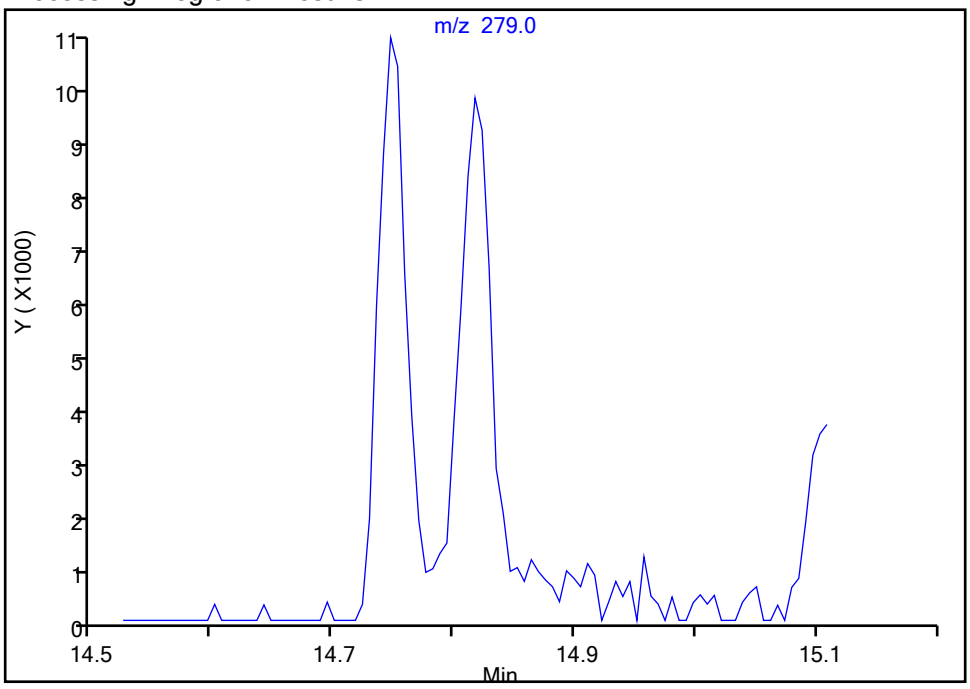
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D				
Injection Date:	23-Mar-2023 16:08:30	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	9	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

173 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

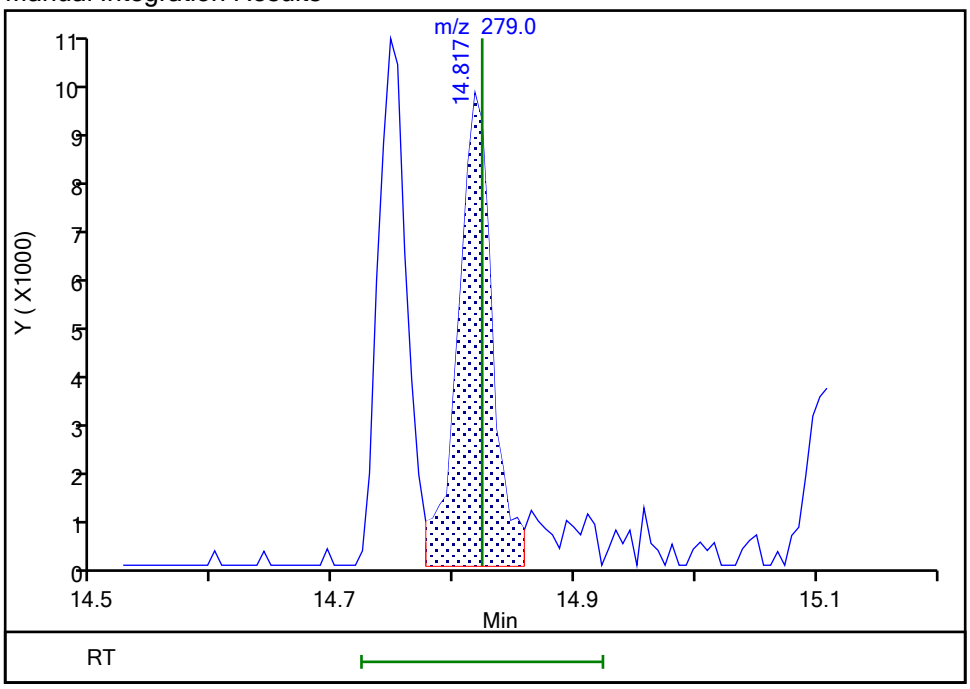
Not Detected
Expected RT: 14.82

Processing Integration Results



Manual Integration Results

RT: 14.82
Area: 18104
Amount: 0.201301
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 16:42:58
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\20230323-79683.b\DC2313.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 23-Mar-2023 14:18:30 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0079683-005
Operator ID: em10340 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub26

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 17:56:23 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: P7EB Date: 23-Mar-2023 14:56:31

	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	1.965	1.965	0.000	93	932010	30.0	27.7	
	3 N-Nitrosodimethylamine	74	2.192	2.193	0.000	92	1481343	30.0	28.4	
	4 Pyridine	79	2.227	2.233	-0.006	98	4821675	60.0	56.6	
	6 Dimethylformamide	73	2.513	2.519	-0.006	93	1602086	30.0	29.9	
	7 2-Picoline	93	2.834	2.834	0.000	90	2381199	30.0	29.4	
	8 N-Nitrosomethylethylamine	88	2.921	2.921	0.000	90	1038864	30.0	29.1	
	9 Methyl methanesulfonate	80	3.195	3.189	0.006	85	1326692	30.0	28.9	
$	10 2-Fluorophenol	112	3.352	3.347	0.005	94	3590656	60.0	60.5	
	11 N-Nitrosodiethylamine	102	3.574	3.574	0.000	96	987575	30.0	30.6	
	12 Ethyl methanesulfonate	109	3.854	3.848	0.006	98	1016902	30.0	28.9	
	15 Benzaldehyde	77	4.186	4.180	0.006	94	1800659	30.0	27.3	
$	16 Phenol-d5	99	4.215	4.215	0.000	96	5102011	60.0	59.7	
	17 Phenol	94	4.232	4.227	0.005	94	2651687	30.0	30.3	
	18 Aniline	93	4.279	4.279	0.000	95	3264274	30.0	30.1	
	19 Bis(2-chloroethyl)ether	93	4.337	4.332	0.005	96	2096671	30.0	29.0	
	20 2-Chlorophenol	128	4.390	4.390	0.000	91	1641953	30.0	30.8	
	21 1,3-Dichlorobenzene	146	4.541	4.541	0.000	94	1823756	30.0	30.0	
*	22 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	84	202860	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.611	4.611	0.000	89	1838673	30.0	28.9	
	25 Benzyl alcohol	108	4.710	4.710	0.000	90	1275616	30.0	30.8	
	26 1,2-Dichlorobenzene	146	4.751	4.751	0.000	92	1732739	30.0	29.6	
	28 2-Methylphenol	108	4.809	4.810	-0.001	96	1755346	30.0	30.8	
	29 2,2'-oxybis[1-chloropropane]	45	4.844	4.845	-0.001	93	2574657	30.0	27.9	
	31 N-Nitrosopyrrolidine	100	4.949	4.944	0.005	94	1077258	30.0	31.4	
	32 4-Methylphenol	108	4.961	4.955	0.006	95	1863525	30.0	30.9	
	33 N-Nitrosodi-n-propylamine	70	4.973	4.967	0.006	71	1719371	30.0	29.6	
	34 Acetophenone	105	4.973	4.967	0.006	93	2819350	30.0	30.2	
	35 N-Nitrosomorpholine	56	4.990	4.984	0.006	91	1232773	30.0	27.8	
	36 2-Toluidine	106	5.002	5.002	0.000	95	3150420	30.0	30.5	
	38 Hexachloroethane	117	5.078	5.078	0.000	96	788765	30.0	29.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	5.118	5.113	0.005	87	4666829	60.0	59.9	
40 Nitrobenzene	77	5.136	5.130	0.006	85	2381571	30.0	30.0	
42 N-Nitrosopiperidine	114	5.276	5.276	0.000	85	935104	30.0	31.9	
43 Isophorone	82	5.363	5.357	0.006	96	4251028	30.0	31.1	
44 2-Nitrophenol	139	5.433	5.433	0.000	89	812623	30.0	34.0	
45 2,4-Dimethylphenol	107	5.468	5.462	0.006	98	1934591	30.0	32.4	
46 o,o',o''-Triethylphosphorothioat	198	5.538	5.538	0.000	94	837818	30.0	32.2	
47 Bis(2-chloroethoxy)methane	93	5.567	5.561	0.006	99	2559050	30.0	30.6	
48 2,4-Dichlorophenol	162	5.660	5.655	0.005	97	1366389	30.0	33.3	
49 1,2,4-Trichlorobenzene	180	5.742	5.742	0.000	92	1513990	30.0	30.5	
* 50 Naphthalene-d8	136	5.800	5.800	0.000	99	741754	5.00	5.00	
51 Naphthalene	128	5.824	5.818	0.006	98	4686916	30.0	29.5	
52 Alpha-Terpineol	59	5.829	5.824	0.005	93	1648053	30.0	31.9	
53 4-Chloroaniline	127	5.870	5.865	0.005	92	2049018	30.0	32.7	
54 2,6-Dichlorophenol	162	5.876	5.876	0.000	93	1350927	30.0	32.4	
55 Hexachloropropene	213	5.905	5.905	0.000	89	1057706	30.0	31.7	
56 Hexachlorobutadiene	225	5.940	5.940	0.000	97	851202	30.0	30.2	
60 Quinoline	129	6.133	6.133	0.000	94	3093112	30.0	30.6	
61 Caprolactam	113	6.191	6.173	0.018	52	524173	30.0	31.7	
62 N-Nitrosodi-n-butylamine	84	6.191	6.185	0.006	88	1972037	30.0	33.4	
63 p-Phenylene diamine	108	6.202	6.197	0.005	94	1634586	30.0	32.0	
64 4-Chloro-3-methylphenol	107	6.325	6.319	0.006	91	1732558	30.0	32.7	
65 Safrole, Total	162	6.395	6.395	0.000	84	1273161	30.0	31.8	
66 2-Methylnaphthalene	142	6.476	6.477	-0.001	91	3091023	30.0	30.5	
67 1-Methylnaphthalene	142	6.570	6.570	0.000	92	2873541	30.0	30.6	
68 Hexachlorocyclopentadiene	237	6.628	6.628	0.000	95	1021424	30.0	31.3	
69 1,2,4,5-Tetrachlorobenzene	216	6.634	6.634	0.000	98	1547192	30.0	29.3	
70 Isosafrole Peak 1	162	6.669	6.669	0.000	85	229188	4.80	4.83	
71 2,4,6-Trichlorophenol	196	6.739	6.739	0.000	93	978069	30.0	32.0	
72 2,4,5-Trichlorophenol	196	6.774	6.768	0.006	92	1071275	30.0	32.4	
$ 73 2-Fluorobiphenyl (Surr)	172	6.826	6.826	0.000	99	6635346	60.0	56.4	
74 Isosafrole Peak 2	162	6.884	6.885	-0.001	88	1306870	25.2	26.1	
75 1,1'-Biphenyl	154	6.919	6.920	-0.001	96	3741308	30.0	29.0	
76 2-Chloronaphthalene	162	6.943	6.937	0.006	92	2730710	30.0	27.4	
77 1-Chloronaphthalene	162	6.960	6.960	0.000	97	2942451	30.0	30.5	
78 Phenyl ether	170	7.024	7.024	0.000	87	2071699	30.0	29.1	
79 2-Nitroaniline	138	7.030	7.030	0.000	75	955942	30.0	32.3	
81 1,4-Naphthoquinone	158	7.106	7.106	0.000	79	1181011	30.0	32.3	
86 1,3-Dinitrobenzene	168	7.164	7.164	0.000	84	499639	30.0	33.2	
85 Dimethyl phthalate	163	7.211	7.205	0.006	97	3417589	30.0	30.8	
84 1,4-Dinitrobenzene	168	7.234	7.228	0.006	82	556745	30.0	33.1	
87 2,6-Dinitrotoluene	165	7.263	7.263	0.000	87	756063	30.0	32.3	
88 Acenaphthylene	152	7.333	7.333	0.000	99	4823008	30.0	30.2	
89 3-Nitroaniline	138	7.421	7.415	0.006	87	867445	30.0	34.0	
* 90 Acenaphthene-d10	164	7.461	7.462	-0.001	95	413214	5.00	5.00	
91 Acenaphthene	153	7.496	7.497	-0.001	97	3050393	30.0	29.9	
92 2,4-Dinitrophenol	184	7.520	7.514	0.006	81	1064535	60.0	62.0	
93 4-Nitrophenol	109	7.572	7.567	0.006	83	1202855	60.0	65.6	
94 Pentachlorobenzene	250	7.619	7.619	0.000	97	1282296	30.0	29.1	
95 2,4-Dinitrotoluene	165	7.642	7.642	0.000	88	1050646	30.0	33.3	
96 Dibenzofuran	168	7.660	7.660	0.000	96	4109714	30.0	29.1	
97 1-Naphthylamine	143	7.735	7.730	0.005	97	2799279	30.0	31.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.770	7.771	0.000	75	906813	30.0	32.5	
99 2-Naphthylamine	143	7.805	7.805	0.000	94	3173916	30.0	31.1	
100 Diethyl phthalate	149	7.881	7.875	0.006	97	3227677	30.0	30.9	
101 Thionazin	107	7.957	7.951	0.006	78	673979	30.0	31.5	
102 Fluorene	166	7.986	7.986	0.000	92	3338091	30.0	29.2	
103 4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	88	1655148	30.0	29.4	
104 N-Nitro-o-toluidine	152	7.992	7.992	0.000	84	977748	30.0	32.1	
105 4-Nitroaniline	138	7.998	7.992	0.006	78	893053	30.0	32.1	
106 4,6-Dinitro-2-methylphenol	198	8.027	8.021	0.006	78	1246566	60.0	68.0	
107 N-Nitrosodiphenylamine	169	8.097	8.097	0.000	63	2411622	25.5	26.3	
108 1,2-Diphenylhydrazine	77	8.138	8.132	0.006	41	4624541	30.0	29.5	
$ 109 2,4,6-Tribromophenol	330	8.208	8.208	0.000	89	947174	60.0	66.6	
110 Sulfotepp	97	8.248	8.248	0.000	78	720101	30.0	29.9	
112 1,3,5-Trinitrobenzene	213	8.336	8.330	0.006	82	394562	30.0	33.7	
113 cis-Diallate	86	8.371	8.371	0.000	0	1410225	22.2	21.3	
114 Phorate	75	8.382	8.383	-0.001	95	2871398	30.0	33.3	
115 Phenacetin	108	8.388	8.383	0.005	88	1990116	30.0	33.5	
116 4-Bromophenyl phenyl ether	248	8.452	8.447	0.005	69	974859	30.0	30.4	
117 trans-Diallate	86	8.458	8.458	0.000	0	498253	7.80	7.22	
118 Hexachlorobenzene	284	8.499	8.499	0.000	93	1009932	30.0	29.4	
119 Dimethoate	87	8.540	8.534	0.006	97	1804593	30.0	32.9	
120 Atrazine	200	8.604	8.598	0.006	90	971978	30.0	30.1	
121 Pentachlorophenol	266	8.685	8.686	-0.001	91	1395979	60.0	68.0	
122 4-Aminobiphenyl	169	8.691	8.691	0.000	91	3864310	30.0	31.1	
123 Pentachloronitrobenzene	237	8.697	8.697	0.000	86	476967	30.0	32.5	
124 Pronamide	173	8.750	8.750	0.000	90	1591871	30.0	32.2	
125 Dinoseb	211	8.860	8.860	0.000	95	941382	30.0	32.8	
* 126 Phenanthrene-d10	188	8.872	8.872	0.000	96	762443	5.00	5.00	
127 Disulfoton	88	8.878	8.878	0.000	95	2889187	30.0	29.0	
128 Phenanthrene	178	8.895	8.895	0.000	98	4763338	30.0	28.7	
129 Anthracene	178	8.942	8.942	0.000	99	4957348	30.0	30.1	
130 Carbazole	167	9.093	9.094	-0.001	96	4563253	30.0	31.0	
131 Methyl parathion	109	9.228	9.228	0.000	90	1377450	30.0	33.6	
133 Di-n-butyl phthalate	149	9.432	9.432	0.000	100	5279551	30.0	33.1	
134 Ethyl Parathion	109	9.601	9.601	0.000	83	837356	30.0	34.9	
135 4-Nitroquinoline-1-oxide	190	9.624	9.624	0.000	87	502124	30.0	29.7	
S 136 Diallate	86				0		30.0	28.5	
140 Octachlorostyrene	308	9.840	9.840	0.000	93	391269	30.0	29.7	
141 Isodrin	193	9.880	9.880	0.000	91	588963	30.0	28.8	
143 Fluoranthene	202	10.020	10.020	0.000	99	5411719	30.0	30.8	
147 Benzidine	184	10.160	10.154	0.006	97	9126120	90.0	76.8	e
* 149 Pyrene-d10 (IS)	212	10.218	10.224	-0.006	100	776483	5.00	5.00	
150 Pyrene	202	10.242	10.242	0.000	96	5634434	30.0	28.5	
$ 152 p-Terphenyl-d14	244	10.399	10.399	0.000	99	7439984	60.0	58.0	
154 p-Dimethylamino azobenzene	225	10.545	10.545	0.000	93	1028496	30.0	34.1	
155 Chlorobenzilate	139	10.591	10.592	-0.001	88	1652637	30.0	33.4	
156 3,3'-Dimethylbenzidine	212	10.895	10.895	0.000	99	3258109	30.0	31.4	
157 Butyl benzyl phthalate	149	10.924	10.924	0.000	94	2329489	30.0	32.3	
158 2-Acetylaminofluorene	181	11.174	11.174	0.000	95	2088684	30.0	31.9	
159 3,3'-Dichlorobenzidine	252	11.518	11.518	0.000	77	1942402	30.0	32.3	
160 4,4'-Methylene bis(2-chloroani	231	11.524	11.524	0.000	95	1072053	30.0	31.8	
161 Benzo[a]anthracene	228	11.542	11.542	0.000	99	4965481	30.0	31.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	11.582	11.582	0.000	97	4796552	30.0	30.3	
163 Bis(2-ethylhexyl) phthalate	149	11.611	11.612	-0.001	96	3257127	30.0	33.7	
164 6-Methylchrysene	242	12.165	12.165	0.000	99	3497407	30.0	32.6	
165 Di-n-octyl phthalate	149	12.492	12.498	-0.006	99	5362138	30.0	32.1	
166 7,12-Dimethylbenz(a)anthracene	256	12.975	12.970	0.005	75	2224841	30.0	34.6	
167 Benzo[b]fluoranthene	252	12.975	12.970	0.005	97	5070529	30.0	32.3	
168 Benzo[k]fluoranthene	252	13.016	13.010	0.006	99	5194201	30.0	31.6	
169 Benzo[a]pyrene	252	13.436	13.436	0.000	78	4403030	30.0	32.4	
* 170 Perylene-d12	264	13.517	13.518	-0.001	98	631587	5.00	5.00	
171 3-Methylcholanthrene	268	13.966	13.966	0.000	91	2412401	30.0	34.5	
172 Dibenz[a,h]acridine	279	14.759	14.759	0.000	91	3434148	30.0	33.5	
173 Dibenz[a,j]acridine	279	14.829	14.823	0.006	96	3934695	30.0	34.5	
174 Indeno[1,2,3-cd]pyrene	276	15.074	15.068	0.006	99	3811308	30.0	33.8	
175 Dibenz(a,h)anthracene	278	15.114	15.109	0.005	93	4373334	30.0	32.9	
176 Benzo[g,h,i]perylene	276	15.464	15.458	0.006	98	4257857	30.0	31.8	
S 178 Dinitrotoluene	165				0			65.6	
S 182 Isosafrole	162				0		30.0	30.9	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

MSS_RV8270_8_00029 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2023 17:56:24 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2313.D

Injection Date: 23-Mar-2023 14:18:30 Instrument ID: HP19760 Operator ID: em10340

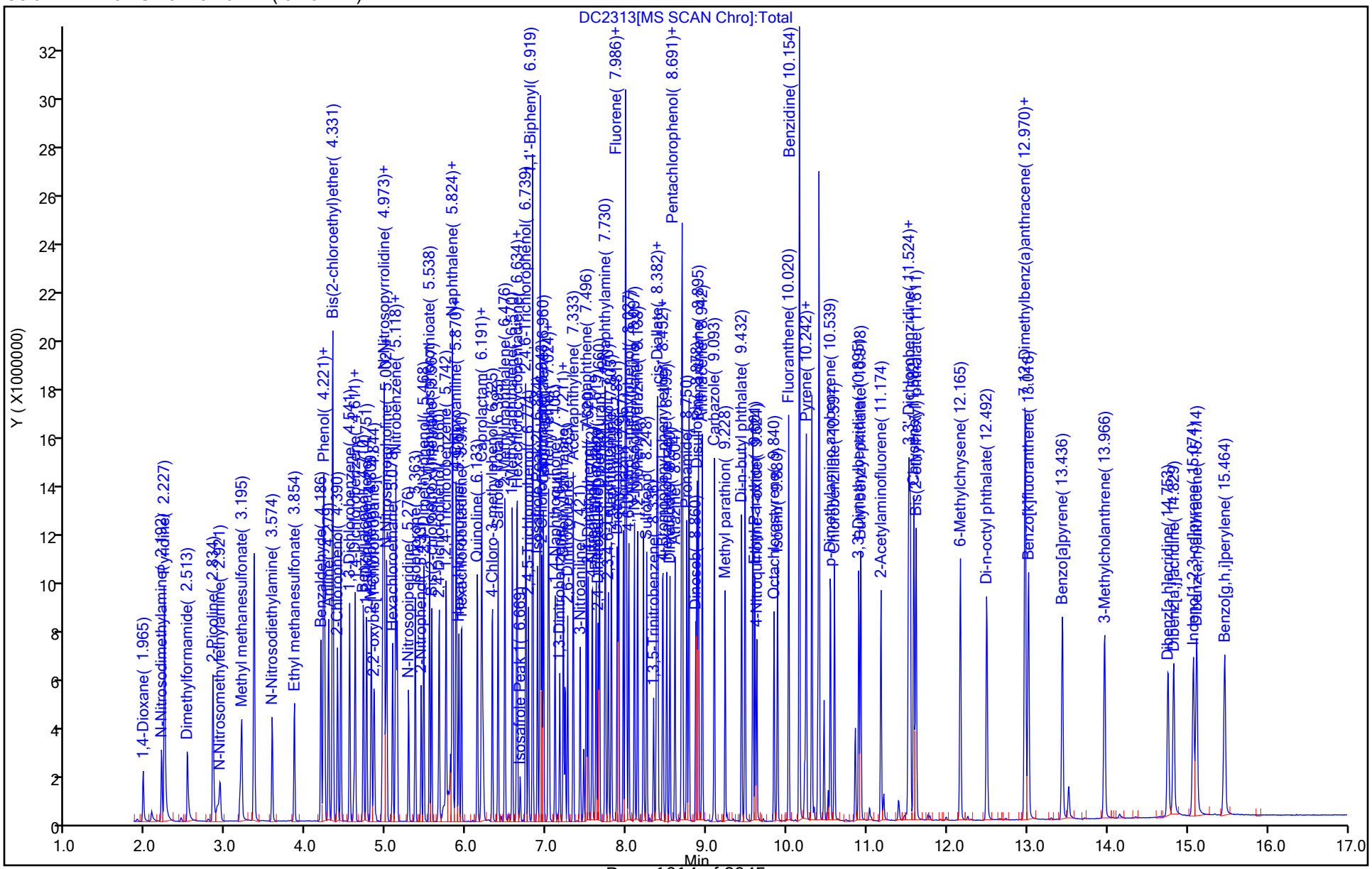
Lims ID: IC L8 Worklist Smp#: 5

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
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2314.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 23-Mar-2023 14:40:30 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0079683-006
Operator ID: em10340 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub26

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 17:56:32 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: P7EB Date: 23-Mar-2023 15:10:24

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	1.959	1.965	-0.006	94	428530	20.0	17.5	
3 N-Nitrosodimethylamine	74	2.187	2.193	-0.005	92	678724	20.0	17.9	
4 Pyridine	79	2.227	2.233	-0.006	98	2253576	40.0	36.3	
6 Dimethylformamide	73	2.513	2.519	-0.006	92	726618	20.0	18.6	
7 2-Picoline	93	2.834	2.834	0.000	90	1122563	20.0	19.0	
8 N-Nitrosomethylethylamine	88	2.915	2.921	-0.006	91	494375	20.0	19.0	
9 Methyl methanesulfonate	80	3.189	3.189	0.000	85	623080	20.0	18.7	
$ 10 2-Fluorophenol	112	3.341	3.347	-0.006	94	1673802	40.0	38.7	
11 N-Nitrosodiethylamine	102	3.568	3.574	-0.006	97	465302	20.0	19.8	
12 Ethyl methanesulfonate	109	3.848	3.848	0.000	98	484945	20.0	18.9	
15 Benzaldehyde	77	4.180	4.180	0.000	95	890549	20.0	18.6	
$ 16 Phenol-d5	99	4.215	4.215	0.000	95	2407771	40.0	38.7	
17 Phenol	94	4.227	4.227	0.000	94	1224589	20.0	19.2	
18 Aniline	93	4.273	4.279	-0.006	95	1505727	20.0	19.1	
19 Bis(2-chloroethyl)ether	93	4.332	4.332	0.000	95	994404	20.0	18.9	
20 2-Chlorophenol	128	4.390	4.390	0.000	92	762922	20.0	19.6	
21 1,3-Dichlorobenzene	146	4.541	4.541	0.000	93	843489	20.0	19.1	
* 22 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	95	147712	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.611	4.611	0.000	89	853343	20.0	18.4	
25 Benzyl alcohol	108	4.710	4.710	0.000	89	571121	20.0	18.9	
26 1,2-Dichlorobenzene	146	4.751	4.751	0.000	94	813052	20.0	19.0	
28 2-Methylphenol	108	4.809	4.810	-0.001	96	810542	20.0	19.6	
29 2,2'-oxybis[1-chloropropane]	45	4.844	4.845	-0.001	93	1186064	20.0	17.6	
31 N-Nitrosopyrrolidine	100	4.944	4.944	0.000	93	498797	20.0	20.0	
32 4-Methylphenol	108	4.955	4.955	0.000	96	856993	20.0	19.5	
33 N-Nitrosodi-n-propylamine	70	4.967	4.967	0.000	72	783313	20.0	18.5	
34 Acetophenone	105	4.967	4.967	0.000	92	1302350	20.0	19.1	
35 N-Nitrosomorpholine	56	4.984	4.984	0.000	90	582182	20.0	18.0	
36 2-Toluidine	106	5.002	5.002	0.000	95	1495518	20.0	19.9	
38 Hexachloroethane	117	5.078	5.078	0.000	97	373392	20.0	19.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	5.113	5.113	0.000	87	2197185	40.0	41.0	
40 Nitrobenzene	77	5.130	5.130	0.000	86	1114434	20.0	20.4	
42 N-Nitrosopiperidine	114	5.276	5.276	0.000	84	430883	20.0	21.4	
43 Isophorone	82	5.357	5.357	0.000	96	1970524	20.0	20.9	
44 2-Nitrophenol	139	5.433	5.433	0.000	88	363877	20.0	22.1	
45 2,4-Dimethylphenol	107	5.462	5.462	0.000	98	890400	20.0	21.7	
46 o,o',o''-Triethylphosphorothioat	198	5.538	5.538	0.000	93	386529	20.0	21.6	
47 Bis(2-chloroethoxy)methane	93	5.561	5.561	0.000	99	1178073	20.0	20.4	
48 2,4-Dichlorophenol	162	5.655	5.655	0.000	96	616109	20.0	21.8	
49 1,2,4-Trichlorobenzene	180	5.742	5.742	0.000	92	695498	20.0	20.4	
* 50 Naphthalene-d8	136	5.800	5.800	0.000	99	510596	5.00	5.00	
51 Naphthalene	128	5.818	5.818	0.000	98	2192393	20.0	20.1	
52 Alpha-Terpineol	59	5.824	5.824	0.000	92	751570	20.0	21.1	
53 4-Chloroaniline	127	5.864	5.865	-0.001	93	922408	20.0	21.4	
54 2,6-Dichlorophenol	162	5.876	5.876	0.000	92	605123	20.0	21.1	
55 Hexachloropropene	213	5.905	5.905	0.000	89	501587	20.0	21.8	
56 Hexachlorobutadiene	225	5.934	5.940	-0.006	97	393263	20.0	20.2	
60 Quinoline	129	6.133	6.133	0.000	94	1464814	20.0	21.1	
61 Caprolactam	113	6.173	6.173	0.000	76	244506	20.0	21.5	
62 N-Nitrosodi-n-butylamine	84	6.185	6.185	0.000	90	916509	20.0	22.6	
63 p-Phenylene diamine	108	6.197	6.197	0.000	95	773792	20.0	22.0	
64 4-Chloro-3-methylphenol	107	6.319	6.319	0.000	91	782043	20.0	21.4	
65 Safrole, Total	162	6.395	6.395	0.000	85	590677	20.0	21.4	
66 2-Methylnaphthalene	142	6.476	6.477	-0.001	91	1435261	20.0	20.6	
67 1-Methylnaphthalene	142	6.570	6.570	0.000	91	1315600	20.0	20.4	
68 Hexachlorocyclopentadiene	237	6.628	6.628	0.000	95	459571	20.0	20.2	
69 1,2,4,5-Tetrachlorobenzene	216	6.634	6.634	0.000	98	721726	20.0	19.6	
70 Isosafrole Peak 1	162	6.669	6.669	0.000	87	107290	3.20	3.25	
71 2,4,6-Trichlorophenol	196	6.739	6.739	0.000	81	452435	20.0	21.3	
72 2,4,5-Trichlorophenol	196	6.768	6.768	0.000	92	477401	20.0	20.7	
$ 73 2-Fluorobiphenyl (Surr)	172	6.826	6.826	0.000	100	3192496	40.0	39.0	
74 Isosafrole Peak 2	162	6.884	6.885	-0.001	88	613381	16.8	17.6	
75 1,1'-Biphenyl	154	6.919	6.920	-0.001	96	1740829	20.0	19.4	
76 2-Chloronaphthalene	162	6.937	6.937	0.000	96	1349266	20.0	19.4	
77 1-Chloronaphthalene	162	6.960	6.960	0.000	97	1325796	20.0	19.7	
78 Phenyl ether	170	7.019	7.024	-0.005	87	955363	20.0	19.3	
79 2-Nitroaniline	138	7.030	7.030	0.000	75	431951	20.0	21.0	
81 1,4-Naphthoquinone	158	7.106	7.106	0.000	80	553975	20.0	21.8	
86 1,3-Dinitrobenzene	168	7.164	7.164	0.000	84	227977	20.0	21.7	
85 Dimethyl phthalate	163	7.205	7.205	0.000	97	1581047	20.0	20.5	
84 1,4-Dinitrobenzene	168	7.228	7.228	0.000	82	249972	20.0	21.4	
87 2,6-Dinitrotoluene	165	7.258	7.263	-0.005	87	340208	20.0	20.8	
88 Acenaphthylene	152	7.333	7.333	0.000	99	2246074	20.0	20.2	
89 3-Nitroaniline	138	7.415	7.415	0.000	87	389414	20.0	21.9	
* 90 Acenaphthene-d10	164	7.462	7.462	0.000	95	287683	5.00	5.00	
91 Acenaphthene	153	7.496	7.497	-0.001	96	1409310	20.0	19.9	
92 2,4-Dinitrophenol	184	7.514	7.514	0.000	79	446344	40.0	38.3	
93 4-Nitrophenol	109	7.566	7.567	0.000	83	546625	40.0	42.9	
94 Pentachlorobenzene	250	7.619	7.619	0.000	98	607044	20.0	19.8	
95 2,4-Dinitrotoluene	165	7.642	7.642	0.000	89	476129	20.0	21.7	
96 Dibenzofuran	168	7.660	7.660	0.000	97	1937161	20.0	19.7	
97 1-Naphthylamine	143	7.730	7.730	0.000	97	1315889	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
98 2,3,4,6-Tetrachlorophenol	232	7.770	7.771	0.000	82	404215	20.0	20.8	
99 2-Naphthylamine	143	7.805	7.805	0.000	94	1496895	20.0	21.1	
100 Diethyl phthalate	149	7.875	7.875	0.000	97	1490539	20.0	20.5	
101 Thionazin	107	7.951	7.951	0.000	78	309380	20.0	20.8	
102 Fluorene	166	7.980	7.986	-0.006	93	1562747	20.0	19.6	
103 4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	89	758979	20.0	19.4	
104 N-Nitro-o-toluidine	152	7.986	7.992	-0.006	81	469620	20.0	22.1	
105 4-Nitroaniline	138	7.992	7.992	0.000	78	423052	20.0	21.8	
106 4,6-Dinitro-2-methylphenol	198	8.021	8.021	0.000	77	559060	40.0	42.6	
107 N-Nitrosodiphenylamine	169	8.091	8.097	-0.006	63	1125153	17.0	17.1	
108 1,2-Diphenylhydrazine	77	8.132	8.132	0.000	42	2203026	20.0	19.6	
$ 109 2,4,6-Tribromophenol	330	8.208	8.208	0.000	88	419922	40.0	42.4	
110 Sulfotepp	97	8.248	8.248	0.000	79	343510	20.0	20.0	
112 1,3,5-Trinitrobenzene	213	8.330	8.330	0.000	82	170943	20.0	20.4	
113 cis-Diallate	86	8.371	8.371	0.000	0	659080	14.8	13.9	
114 Phorate	75	8.377	8.383	-0.006	95	1340313	20.0	21.7	
115 Phenacetin	108	8.382	8.383	-0.001	88	931503	20.0	21.9	
116 4-Bromophenyl phenyl ether	248	8.447	8.447	0.000	68	451733	20.0	19.7	
117 trans-Diallate	86	8.452	8.458	-0.006	0	233455	5.20	4.73	
118 Hexachlorobenzene	284	8.499	8.499	0.000	93	467420	20.0	19.0	
119 Dimethoate	87	8.534	8.534	0.000	97	859255	20.0	21.9	
120 Atrazine	200	8.598	8.598	0.000	90	468772	20.0	20.3	
121 Pentachlorophenol	266	8.686	8.686	0.000	92	642123	40.0	43.7	
122 4-Aminobiphenyl	169	8.691	8.691	0.000	91	1854571	20.0	20.9	
123 Pentachloronitrobenzene	237	8.697	8.697	0.000	87	222456	20.0	21.2	
124 Pronamide	173	8.750	8.750	0.000	91	728184	20.0	20.6	
125 Dinoseb	211	8.860	8.860	0.000	96	402592	20.0	19.8	
* 126 Phenanthrene-d10	188	8.866	8.872	-0.006	96	545223	5.00	5.00	
127 Disulfoton	88	8.878	8.878	0.000	95	1368666	20.0	19.2	
128 Phenanthrene	178	8.890	8.895	-0.005	97	2274554	20.0	19.1	
129 Anthracene	178	8.942	8.942	0.000	99	2343744	20.0	19.9	
130 Carbazole	167	9.094	9.094	0.000	96	2167596	20.0	20.6	
131 Methyl parathion	109	9.228	9.228	0.000	90	628850	20.0	21.5	
133 Di-n-butyl phthalate	149	9.432	9.432	0.000	100	2439142	20.0	21.4	
134 Ethyl Parathion	109	9.601	9.601	0.000	84	378041	20.0	22.0	
135 4-Nitroquinoline-1-oxide	190	9.624	9.624	0.000	81	207183	20.0	19.8	
S 136 Diallate	86				0		20.0	18.6	
140 Octachlorostyrene	308	9.840	9.840	0.000	93	181291	20.0	19.3	
141 Isodrin	193	9.880	9.880	0.000	90	280032	20.0	19.1	
143 Fluoranthene	202	10.020	10.020	0.000	99	2555339	20.0	20.3	
147 Benzidine	184	10.154	10.154	0.000	99	5332789	60.0	62.7	
* 149 Pyrene-d10 (IS)	212	10.218	10.224	-0.006	100	555756	5.00	5.00	
150 Pyrene	202	10.236	10.242	-0.006	96	2682124	20.0	19.0	
$ 152 p-Terphenyl-d14	244	10.399	10.399	0.000	99	3596589	40.0	39.2	
154 p-Dimethylamino azobenzene	225	10.539	10.545	-0.006	93	464672	20.0	21.6	
155 Chlorobenzilate	139	10.591	10.592	-0.001	88	782657	20.0	22.1	
156 3,3'-Dimethylbenzidine	212	10.895	10.895	0.000	99	1566673	20.0	21.1	
157 Butyl benzyl phthalate	149	10.918	10.924	-0.006	94	1076947	20.0	20.9	
158 2-Acetylaminofluorene	181	11.169	11.174	-0.005	95	922342	20.0	19.8	
159 3,3'-Dichlorobenzidine	252	11.512	11.518	-0.006	77	901856	20.0	21.0	
160 4,4'-Methylene bis(2-chloroani	231	11.524	11.524	0.000	96	511801	20.0	21.2	
161 Benzo[a]anthracene	228	11.536	11.542	-0.006	99	2391080	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
162 Chrysene	228	11.582	11.582	0.000	98	2300123	20.0	20.3	
163 Bis(2-ethylhexyl) phthalate	149	11.611	11.612	-0.001	96	1483917	20.0	21.5	
164 6-Methylchrysene	242	12.165	12.165	0.000	99	1652922	20.0	21.5	
165 Di-n-octyl phthalate	149	12.492	12.498	-0.006	99	2361995	20.0	19.8	
166 7,12-Dimethylbenz(a)anthracene	256	12.970	12.970	0.000	74	1041376	20.0	22.4	
167 Benzo[b]fluoranthene	252	12.970	12.970	0.000	97	2347128	20.0	20.7	
168 Benzo[k]fluoranthene	252	13.010	13.010	0.000	100	2521117	20.0	21.2	
169 Benzo[a]pyrene	252	13.436	13.436	0.000	78	2017273	20.0	20.5	
* 170 Perylene-d12	264	13.517	13.518	-0.001	98	456281	5.00	5.00	
171 3-Methylcholanthrene	268	13.960	13.966	-0.006	91	1099527	20.0	21.7	
172 Dibenz[a,h]acridine	279	14.753	14.759	-0.006	91	1607428	20.0	21.7	
173 Dibenz[a,j]acridine	279	14.823	14.823	0.000	96	1792004	20.0	21.8	
174 Indeno[1,2,3-cd]pyrene	276	15.068	15.068	0.000	99	1728637	20.0	21.2	
175 Dibenz(a,h)anthracene	278	15.109	15.109	0.000	94	1986761	20.0	20.7	
176 Benzo[g,h,i]perylene	276	15.458	15.458	0.000	97	2004194	20.0	20.7	
S 178 Dinitrotoluene	165				0			42.6	
S 182 Isosafrole	162				0		20.0	20.8	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_7_00029 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2023 17:56:33 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2314.D

Injection Date: 23-Mar-2023 14:40:30 Instrument ID: HP19760 Operator ID: em10340

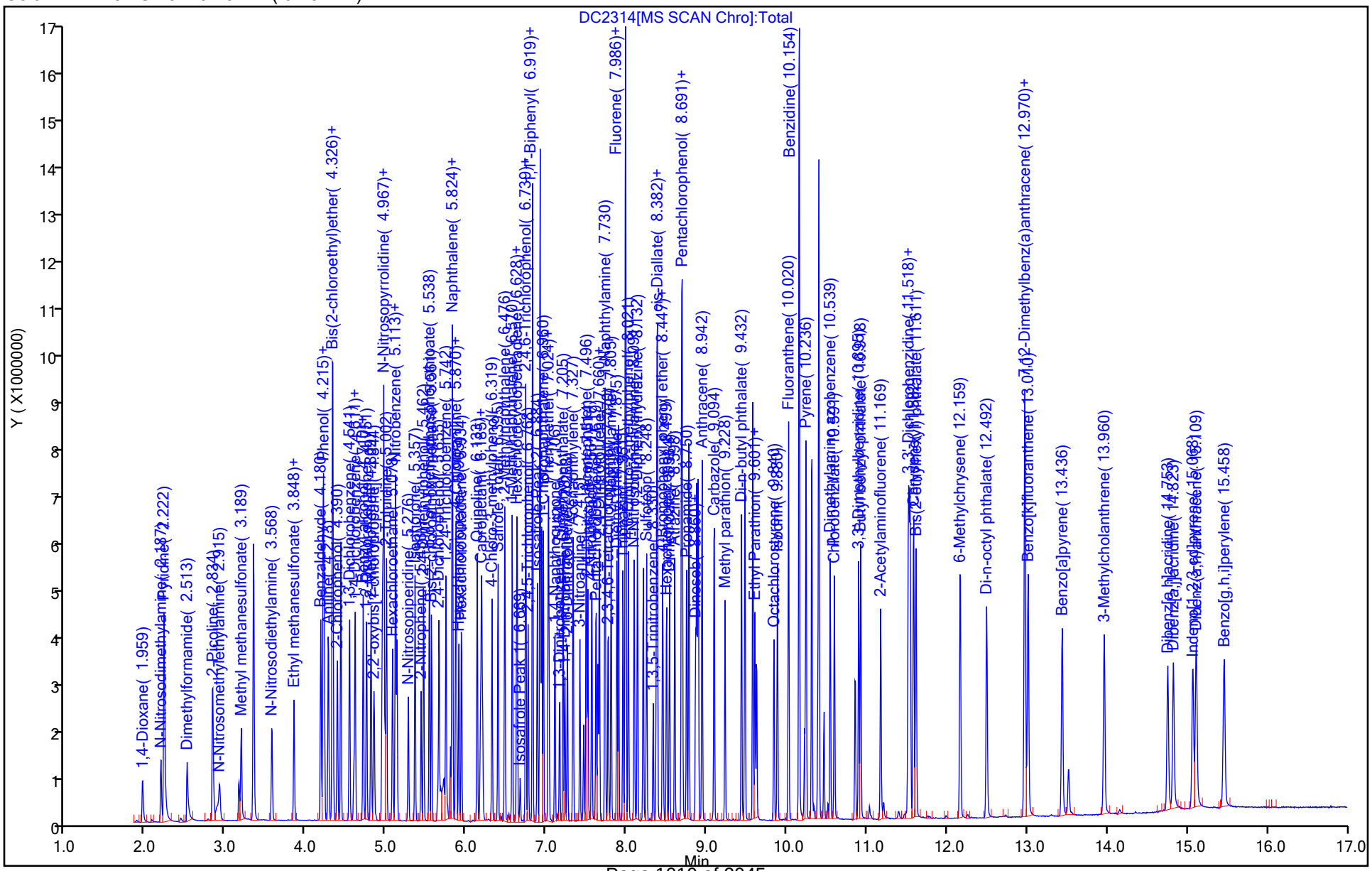
Lims ID: IC L7 Worklist Smp#: 6

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
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2315.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 23-Mar-2023 15:02:30 ALS Bottle#: 6 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0079683-007
Operator ID: em10340 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub26

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 17:56:40 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: P7EB Date: 23-Mar-2023 16:01:47

	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	1.965	1.965	0.000	94	212091	7.50	7.17	
	3 N-Nitrosodimethylamine	74	2.193	2.193	0.000	92	352740	7.50	7.70	
	4 Pyridine	79	2.233	2.233	0.000	98	1148447	15.0	15.3	
	6 Dimethylformamide	73	2.525	2.525	0.000	91	363243	7.50	7.72	
	7 2-Picoline	93	2.834	2.834	0.000	90	561145	7.50	7.88	
	8 N-Nitrosomethylethylamine	88	2.921	2.921	0.000	91	245133	7.50	7.81	
	9 Methyl methanesulfonate	80	3.189	3.189	0.000	84	313482	7.50	7.78	
$	10 2-Fluorophenol	112	3.341	3.341	0.000	93	843858	15.0	16.2	
	11 N-Nitrosodiethylamine	102	3.574	3.574	0.000	95	229401	7.50	8.09	
	12 Ethyl methanesulfonate	109	3.848	3.848	0.000	98	241253	7.50	7.80	
	15 Benzaldehyde	77	4.180	4.180	0.000	94	452268	7.50	7.81	
$	16 Phenol-d5	99	4.209	4.209	0.000	97	1209856	15.0	16.1	
	17 Phenol	94	4.227	4.227	0.000	94	622838	7.50	8.10	
	18 Aniline	93	4.279	4.279	0.000	95	762498	7.50	8.00	
	19 Bis(2-chloroethyl)ether	93	4.332	4.332	0.000	97	507953	7.50	8.00	
	20 2-Chlorophenol	128	4.390	4.390	0.000	91	381248	7.50	8.13	
	21 1,3-Dichlorobenzene	146	4.541	4.541	0.000	93	435072	7.50	8.16	
*	22 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	96	178191	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.611	4.611	0.000	89	436020	7.50	7.80	
	25 Benzyl alcohol	108	4.710	4.710	0.000	90	288280	7.50	7.92	
	26 1,2-Dichlorobenzene	146	4.751	4.751	0.000	92	415180	7.50	8.06	
	28 2-Methylphenol	108	4.810	4.810	0.000	95	396275	7.50	7.93	
	29 2,2'-oxybis[1-chloropropane]	45	4.845	4.845	0.000	93	605659	7.50	7.46	
	31 N-Nitrosopyrrolidine	100	4.944	4.944	0.000	92	246181	7.50	8.18	
	32 4-Methylphenol	108	4.955	4.955	0.000	93	426312	7.50	8.04	
	33 N-Nitrosodi-n-propylamine	70	4.967	4.967	0.000	72	403250	7.50	7.91	
	34 Acetophenone	105	4.967	4.967	0.000	88	657809	7.50	8.02	
	35 N-Nitrosomorpholine	56	4.984	4.984	0.000	88	297668	7.50	7.63	
	36 2-Toluidine	106	5.002	5.002	0.000	95	754370	7.50	8.30	
	38 Hexachloroethane	117	5.078	5.078	0.000	97	186029	7.50	7.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	5.113	5.113	0.000	87	1134905	15.0	14.2	
40 Nitrobenzene	77	5.130	5.130	0.000	86	555696	7.50	6.84	
42 N-Nitrosopiperidine	114	5.276	5.276	0.000	84	215054	7.50	7.18	
43 Isophorone	82	5.357	5.357	0.000	96	990871	7.50	7.09	
44 2-Nitrophenol	139	5.433	5.433	0.000	88	181237	7.50	7.41	
45 2,4-Dimethylphenol	107	5.462	5.462	0.000	97	443208	7.50	7.26	
46 o,o',o''-Triethylphosphorothioat	198	5.538	5.538	0.000	93	193410	7.50	7.27	
47 Bis(2-chloroethoxy)methane	93	5.561	5.561	0.000	98	608519	7.50	7.11	
48 2,4-Dichlorophenol	162	5.655	5.655	0.000	96	306671	7.50	7.32	
49 1,2,4-Trichlorobenzene	180	5.742	5.742	0.000	92	353840	7.50	6.98	
* 50 Naphthalene-d8	136	5.800	5.800	0.000	99	758269	5.00	5.00	
51 Naphthalene	128	5.818	5.818	0.000	98	1122275	7.50	6.91	
52 Alpha-Terpineol	59	5.824	5.824	0.000	93	369021	7.50	6.98	
53 4-Chloroaniline	127	5.865	5.865	0.000	93	477361	7.50	7.45	
54 2,6-Dichlorophenol	162	5.876	5.876	0.000	93	312629	7.50	7.35	
55 Hexachloropropene	213	5.905	5.905	0.000	90	240808	7.50	7.05	
56 Hexachlorobutadiene	225	5.935	5.935	0.000	96	200566	7.50	6.95	
60 Quinoline	129	6.133	6.133	0.000	94	733804	7.50	7.11	
61 Caprolactam	113	6.168	6.168	0.000	79	119376	7.50	7.07	
62 N-Nitrosodi-n-butylamine	84	6.185	6.185	0.000	88	380325	7.50	6.30	
63 p-Phenylene diamine	108	6.197	6.197	0.000	94	386655	7.50	7.41	
64 4-Chloro-3-methylphenol	107	6.319	6.319	0.000	91	390789	7.50	7.21	
65 Safrole, Total	162	6.395	6.395	0.000	84	289524	7.50	7.07	
66 2-Methylnaphthalene	142	6.477	6.477	0.000	90	724956	7.50	7.01	
67 1-Methylnaphthalene	142	6.570	6.570	0.000	92	670326	7.50	6.99	
68 Hexachlorocyclopentadiene	237	6.628	6.628	0.000	95	229655	7.50	8.08	
69 1,2,4,5-Tetrachlorobenzene	216	6.634	6.634	0.000	98	364783	7.50	7.95	
70 Isosafrole Peak 1	162	6.669	6.669	0.000	86	52138	1.20	1.26	
71 2,4,6-Trichlorophenol	196	6.739	6.739	0.000	78	222069	7.50	8.36	
72 2,4,5-Trichlorophenol	196	6.768	6.768	0.000	93	240413	7.50	8.36	
$ 73 2-Fluorobiphenyl (Surr)	172	6.826	6.826	0.000	100	1637420	15.0	16.0	
74 Isosafrole Peak 2	162	6.885	6.885	0.000	87	303381	6.30	6.97	
75 1,1'-Biphenyl	154	6.920	6.920	0.000	95	903429	7.50	8.05	
76 2-Chloronaphthalene	162	6.937	6.937	0.000	96	711008	7.50	8.19	
77 1-Chloronaphthalene	162	6.960	6.960	0.000	97	663263	7.50	7.90	
78 Phenyl ether	170	7.019	7.019	0.000	87	488530	7.50	7.90	
79 2-Nitroaniline	138	7.030	7.030	0.000	76	210531	7.50	8.19	
81 1,4-Naphthoquinone	158	7.100	7.100	0.000	78	266364	7.50	8.39	
86 1,3-Dinitrobenzene	168	7.164	7.164	0.000	83	106132	7.50	8.10	
85 Dimethyl phthalate	163	7.205	7.205	0.000	97	805439	7.50	8.35	
84 1,4-Dinitrobenzene	168	7.228	7.228	0.000	79	119597	7.50	8.18	
87 2,6-Dinitrotoluene	165	7.258	7.258	0.000	85	169573	7.50	8.32	
88 Acenaphthylene	152	7.328	7.328	0.000	99	1141047	7.50	8.22	
89 3-Nitroaniline	138	7.415	7.415	0.000	87	194758	7.50	8.77	
* 90 Acenaphthene-d10	164	7.462	7.462	0.000	95	359317	5.00	5.00	
91 Acenaphthene	153	7.497	7.497	0.000	96	727892	7.50	8.21	
92 2,4-Dinitrophenol	184	7.514	7.514	0.000	74	247228	17.5	18.4	
93 4-Nitrophenol	109	7.561	7.561	0.000	82	276683	15.0	17.4	
94 Pentachlorobenzene	250	7.619	7.619	0.000	97	301569	7.50	7.87	
95 2,4-Dinitrotoluene	165	7.636	7.636	0.000	87	234199	7.50	8.55	
96 Dibenzofuran	168	7.660	7.660	0.000	96	990195	7.50	8.05	
97 1-Naphthylamine	143	7.730	7.730	0.000	98	659274	7.50	8.46	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.765	7.765	0.000	75	207036	7.50	8.53	
99 2-Naphthylamine	143	7.805	7.805	0.000	94	739264	7.50	8.34	
100 Diethyl phthalate	149	7.875	7.875	0.000	97	761904	7.50	8.39	
101 Thionazin	107	7.951	7.951	0.000	78	151718	7.50	8.17	
102 Fluorene	166	7.980	7.980	0.000	92	804250	7.50	8.09	
103 4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	90	394542	7.50	8.06	
104 N-Nitro-o-toluidine	152	7.986	7.986	0.000	82	225074	7.50	8.49	
105 4-Nitroaniline	138	7.992	7.992	0.000	78	210421	7.50	8.69	
106 4,6-Dinitro-2-methylphenol	198	8.021	8.021	0.000	76	260559	15.0	15.8	
107 N-Nitrosodiphenylamine	169	8.091	8.091	0.000	63	568163	6.38	6.90	
108 1,2-Diphenylhydrazine	77	8.132	8.132	0.000	41	1112876	7.50	7.91	
$ 109 2,4,6-Tribromophenol	330	8.208	8.208	0.000	88	213482	15.0	17.3	
110 Sulfotepp	97	8.248	8.248	0.000	79	166090	7.50	7.70	
112 1,3,5-Trinitrobenzene	213	8.330	8.330	0.000	81	80104	7.50	7.63	
113 cis-Diallate	86	8.371	8.371	0.000	0	330439	5.55	5.56	
114 Phorate	75	8.377	8.377	0.000	93	660695	7.50	8.54	
115 Phenacetin	108	8.377	8.377	0.000	87	453636	7.50	8.51	
116 4-Bromophenyl phenyl ether	248	8.447	8.447	0.000	69	230929	7.50	8.04	
117 trans-Diallate	86	8.458	8.458	0.000	0	122243	1.95	1.98	
118 Hexachlorobenzene	284	8.499	8.499	0.000	92	239838	7.50	7.78	
119 Dimethoate	87	8.534	8.534	0.000	96	417475	7.50	8.50	
120 Atrazine	200	8.598	8.598	0.000	90	243463	7.50	8.41	
121 Pentachlorophenol	266	8.680	8.680	0.000	92	312047	15.0	17.0	
122 4-Aminobiphenyl	169	8.691	8.691	0.000	91	926082	7.50	8.32	
123 Pentachloronitrobenzene	237	8.697	8.697	0.000	86	111484	7.50	8.48	
124 Pronamide	173	8.744	8.744	0.000	90	357742	7.50	8.07	
125 Dinoseb	211	8.860	8.860	0.000	95	178575	7.50	7.42	
* 126 Phenanthrene-d10	188	8.866	8.866	0.000	97	683593	5.00	5.00	
127 Disulfoton	88	8.872	8.872	0.000	95	684797	7.50	7.68	
128 Phenanthrene	178	8.890	8.890	0.000	97	1176821	7.50	7.90	
129 Anthracene	178	8.942	8.942	0.000	99	1185022	7.50	8.02	
130 Carbazole	167	9.088	9.088	0.000	96	1108250	7.50	8.39	
131 Methyl parathion	109	9.228	9.228	0.000	90	294416	7.50	8.01	
133 Di-n-butyl phthalate	149	9.432	9.432	0.000	100	1203982	7.50	8.42	
134 Ethyl Parathion	109	9.601	9.601	0.000	83	178232	7.50	8.29	
135 4-Nitroquinoline-1-oxide	190	9.618	9.618	0.000	78	81207	7.50	7.79	
S 136 Diallate	86				0		7.50	7.53	
140 Octachlorostyrene	308	9.840	9.840	0.000	93	91194	7.50	7.73	
141 Isodrin	193	9.880	9.880	0.000	91	137942	7.50	7.52	
143 Fluoranthene	202	10.020	10.020	0.000	99	1287214	7.50	8.16	
147 Benzidine	184	10.149	10.149	0.000	99	2691871	22.5	24.8	
* 149 Pyrene-d10 (IS)	212	10.219	10.219	0.000	100	709812	5.00	5.00	
150 Pyrene	202	10.236	10.236	0.000	97	1417720	7.50	7.84	
$ 152 p-Terphenyl-d14	244	10.399	10.399	0.000	99	1902699	15.0	16.2	
154 p-Dimethylamino azobenzene	225	10.539	10.539	0.000	93	224604	7.50	8.16	
155 Chlorobenzilate	139	10.592	10.592	0.000	87	376053	7.50	8.31	
156 3,3'-Dimethylbenzidine	212	10.895	10.895	0.000	99	785843	7.50	8.28	
157 Butyl benzyl phthalate	149	10.918	10.918	0.000	94	527989	7.50	8.02	
158 2-Acetylaminofluorene	181	11.169	11.169	0.000	94	407399	7.50	7.00	
159 3,3'-Dichlorobenzidine	252	11.513	11.513	0.000	76	448646	7.50	8.16	
160 4,4'-Methylene bis(2-chloroani	231	11.524	11.524	0.000	96	252701	7.50	8.19	
161 Benzo[a]anthracene	228	11.536	11.536	0.000	99	1229808	7.50	8.51	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	11.582	11.582	0.000	98	1181968	7.50	8.16	
163 Bis(2-ethylhexyl) phthalate	149	11.612	11.612	0.000	96	710689	7.50	8.05	
164 6-Methylchrysene	242	12.159	12.159	0.000	99	810336	7.50	8.26	
165 Di-n-octyl phthalate	149	12.492	12.492	0.000	99	1083739	7.50	7.49	M
166 7,12-Dimethylbenz(a)anthracene	256	12.970	12.970	0.000	71	500471	7.50	8.44	
167 Benzo[b]fluoranthene	252	12.970	12.970	0.000	97	1186410	7.50	8.18	
168 Benzo[k]fluoranthene	252	13.010	13.010	0.000	100	1255002	7.50	8.27	
169 Benzo[a]pyrene	252	13.436	13.436	0.000	78	1017219	7.50	8.11	
* 170 Perylene-d12	264	13.518	13.518	0.000	98	582541	5.00	5.00	
171 3-Methylcholanthrene	268	13.961	13.961	0.000	91	535201	7.50	8.29	
172 Dibenz[a,h]acridine	279	14.753	14.753	0.000	91	768193	7.50	8.12	
173 Dibenz[a,j]acridine	279	14.823	14.823	0.000	96	884684	7.50	8.41	
174 Indeno[1,2,3-cd]pyrene	276	15.062	15.062	0.000	99	867686	7.50	8.33	
175 Dibenz(a,h)anthracene	278	15.109	15.109	0.000	94	1008213	7.50	8.21	
176 Benzo[g,h,i]perylene	276	15.453	15.453	0.000	98	999938	7.50	8.09	
S 178 Dinitrotoluene	165				0			16.9	
S 182 Isosafrole	162				0		7.50	8.23	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_5_00036 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2023 17:56:41 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2315.D

Injection Date: 23-Mar-2023 15:02:30 Instrument ID: HP19760 Operator ID: em10340

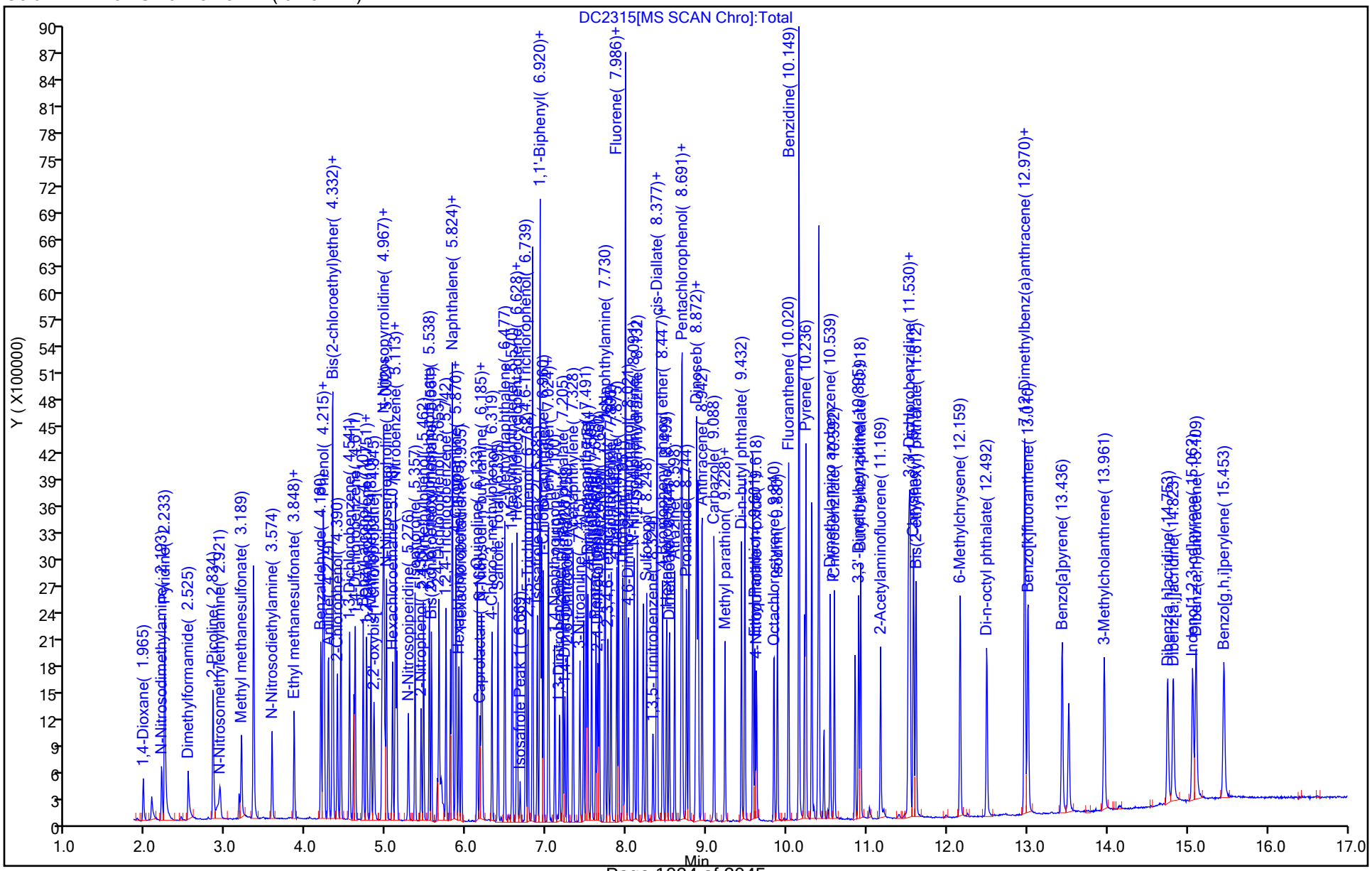
Lims ID: IC L5 Worklist Smp#: 7

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

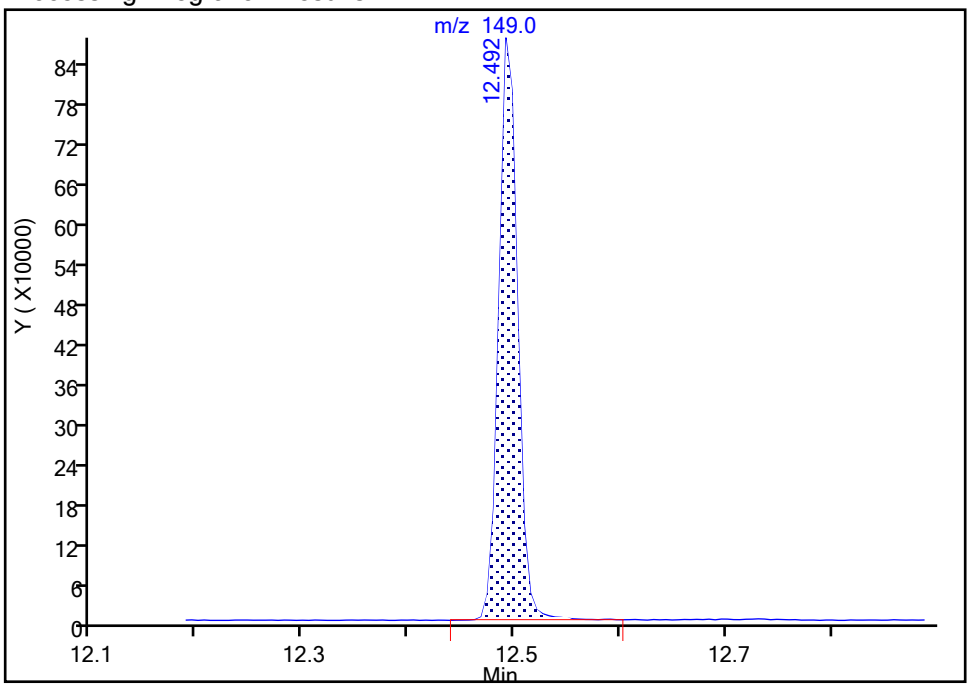
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2315.D				
Injection Date:	23-Mar-2023 15:02:30	Instrument ID:	HP19760		
Lims ID:	IC L5				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	6	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

165 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 1

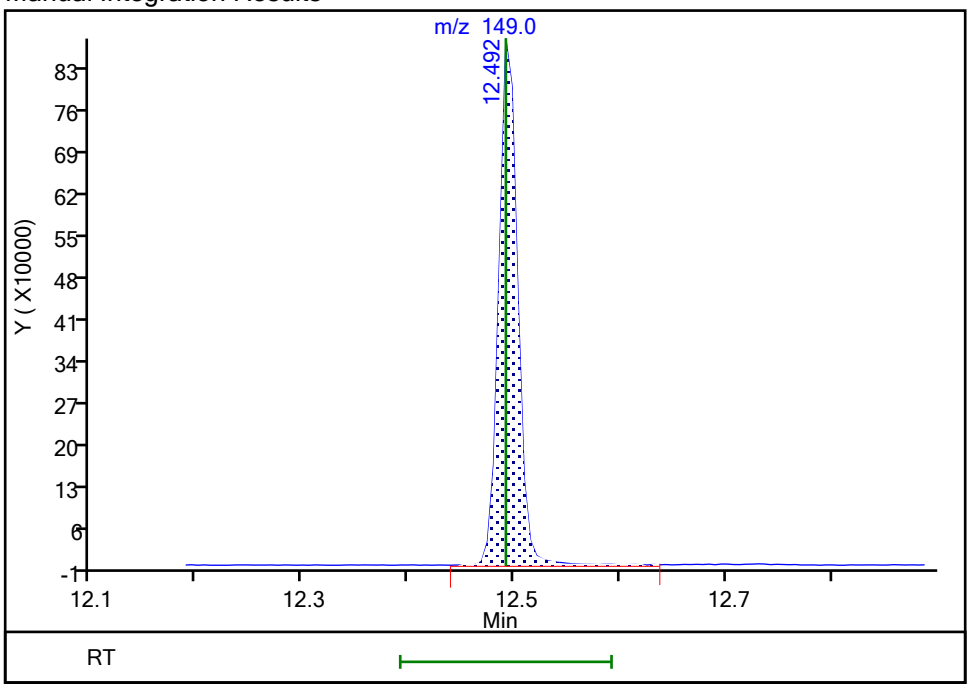
Processing Integration Results

RT: 12.49
Area: 1080809
Amount: 7.474002
Amount Units: ug/ml



Manual Integration Results

RT: 12.49
Area: 1083739
Amount: 7.489194
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 17:11:21
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\20230323-79683.b\DC2316.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 23-Mar-2023 15:24:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0079683-008
Operator ID: em10340 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub26

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 17:56:47 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: P7EB Date: 23-Mar-2023 16:03:29

	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	1.965	1.965	0.000	94	102312	3.75	3.16	
	3 N-Nitrosodimethylamine	74	2.198	2.193	0.005	93	165821	3.75	3.31	
	4 Pyridine	79	2.233	2.233	0.000	98	564496	7.50	6.90	
	6 Dimethylformamide	73	2.536	2.525	0.011	93	166247	3.75	3.23	
	7 2-Picoline	93	2.839	2.834	0.005	90	274828	3.75	3.53	
	8 N-Nitrosomethylethylamine	88	2.927	2.921	0.006	92	127188	3.75	3.71	
	9 Methyl methanesulfonate	80	3.195	3.189	0.006	85	153209	3.75	3.48	
$	10 2-Fluorophenol	112	3.341	3.341	0.000	93	408861	7.50	7.17	
	11 N-Nitrosodiethylamine	102	3.574	3.574	0.000	96	107835	3.75	3.48	
	12 Ethyl methanesulfonate	109	3.848	3.848	0.000	98	116621	3.75	3.45	
	15 Benzaldehyde	77	4.180	4.180	0.000	95	226258	3.75	3.57	
$	16 Phenol-d5	99	4.209	4.209	0.000	95	571106	7.50	6.95	
	17 Phenol	94	4.226	4.227	-0.001	94	305019	3.75	3.63	
	18 Aniline	93	4.279	4.279	0.000	95	367257	3.75	3.52	
	19 Bis(2-chloroethyl)ether	93	4.331	4.332	-0.001	94	244085	3.75	3.51	
	20 2-Chlorophenol	128	4.390	4.390	0.000	91	180798	3.75	3.53	
	21 1,3-Dichlorobenzene	146	4.541	4.541	0.000	93	216317	3.75	3.71	
*	22 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	96	194911	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.611	4.611	0.000	90	214457	3.75	3.51	
	25 Benzyl alcohol	108	4.710	4.710	0.000	90	136310	3.75	3.42	
	26 1,2-Dichlorobenzene	146	4.751	4.751	0.000	92	207846	3.75	3.69	
	28 2-Methylphenol	108	4.809	4.810	-0.001	95	194279	3.75	3.55	
	29 2,2'-oxybis[1-chloropropane]	45	4.844	4.845	-0.001	93	302576	3.75	3.41	
	31 N-Nitrosopyrrolidine	100	4.943	4.944	-0.001	92	114504	3.75	3.48	
	32 4-Methylphenol	108	4.949	4.955	-0.006	96	205591	3.75	3.55	
	33 N-Nitrosodi-n-propylamine	70	4.967	4.967	0.000	78	193518	3.75	3.47	
	34 Acetophenone	105	4.967	4.967	0.000	95	321605	3.75	3.58	
	35 N-Nitrosomorpholine	56	4.984	4.984	0.000	89	140968	3.75	3.30	
	36 2-Toluidine	106	5.002	5.002	0.000	95	352611	3.75	3.55	
	38 Hexachloroethane	117	5.077	5.078	-0.001	97	94791	3.75	3.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	5.112	5.113	-0.001	87	542408	7.50	7.39	
40 Nitrobenzene	77	5.130	5.130	0.000	84	275737	3.75	3.68	
42 N-Nitrosopiperidine	114	5.276	5.276	0.000	85	102386	3.75	3.71	
43 Isophorone	82	5.357	5.357	0.000	96	480253	3.75	3.73	
44 2-Nitrophenol	139	5.433	5.433	0.000	88	82145	3.75	3.65	
45 2,4-Dimethylphenol	107	5.462	5.462	0.000	98	206547	3.75	3.67	
46 o,o',o''-Triethylphosphorothioat	198	5.538	5.538	0.000	93	92790	3.75	3.79	
47 Bis(2-chloroethoxy)methane	93	5.561	5.561	0.000	99	292180	3.75	3.70	
48 2,4-Dichlorophenol	162	5.654	5.655	-0.001	97	148760	3.75	3.85	
49 1,2,4-Trichlorobenzene	180	5.742	5.742	0.000	93	171668	3.75	3.67	
* 50 Naphthalene-d8	136	5.800	5.800	0.000	100	698743	5.00	5.00	
51 Naphthalene	128	5.818	5.818	0.000	98	551132	3.75	3.68	
52 Alpha-Terpineol	59	5.824	5.824	0.000	91	177706	3.75	3.65	
53 4-Chloroaniline	127	5.864	5.865	-0.001	92	225383	3.75	3.82	
54 2,6-Dichlorophenol	162	5.870	5.876	-0.006	94	147038	3.75	3.75	
55 Hexachloropropene	213	5.905	5.905	0.000	90	117240	3.75	3.72	
56 Hexachlorobutadiene	225	5.940	5.935	0.006	97	100168	3.75	3.77	
60 Quinoline	129	6.132	6.133	-0.001	95	341560	3.75	3.59	
61 Caprolactam	113	6.162	6.168	-0.006	82	53695	3.75	3.45	
62 N-Nitrosodi-n-butylamine	84	6.185	6.185	0.000	90	177330	3.75	3.19	
63 p-Phenylene diamine	108	6.197	6.197	0.000	95	171088	3.75	3.56	
64 4-Chloro-3-methylphenol	107	6.319	6.319	0.000	91	178660	3.75	3.58	
65 Safrole, Total	162	6.395	6.395	0.000	84	137638	3.75	3.65	
66 2-Methylnaphthalene	142	6.476	6.477	-0.001	91	357093	3.75	3.74	
67 1-Methylnaphthalene	142	6.570	6.570	0.000	91	324459	3.75	3.67	
68 Hexachlorocyclopentadiene	237	6.628	6.628	0.000	97	109330	3.75	3.59	
69 1,2,4,5-Tetrachlorobenzene	216	6.634	6.634	0.000	98	178866	3.75	3.64	
70 Isosafrole Peak 1	162	6.669	6.669	0.000	86	24954	0.6000	0.5644	
71 2,4,6-Trichlorophenol	196	6.739	6.739	0.000	93	102290	3.75	3.59	
72 2,4,5-Trichlorophenol	196	6.768	6.768	0.000	91	113184	3.75	3.67	
$ 73 2-Fluorobiphenyl (Surr)	172	6.826	6.826	0.000	99	795030	7.50	7.26	
74 Isosafrole Peak 2	162	6.884	6.885	-0.001	88	139988	3.15	3.00	
75 1,1'-Biphenyl	154	6.919	6.920	-0.001	96	438040	3.75	3.64	
76 2-Chloronaphthalene	162	6.937	6.937	0.000	96	342113	3.75	3.68	
77 1-Chloronaphthalene	162	6.960	6.960	0.000	97	323675	3.75	3.60	
78 Phenyl ether	170	7.018	7.019	-0.001	87	238545	3.75	3.60	
79 2-Nitroaniline	138	7.030	7.030	0.000	75	93576	3.75	3.40	
81 1,4-Naphthoquinone	158	7.106	7.100	0.006	80	120588	3.75	3.54	
86 1,3-Dinitrobenzene	168	7.158	7.164	-0.006	83	46828	3.75	3.33	
85 Dimethyl phthalate	163	7.205	7.205	0.000	97	385085	3.75	3.72	
84 1,4-Dinitrobenzene	168	7.228	7.228	0.000	82	55558	3.75	3.55	
87 2,6-Dinitrotoluene	165	7.257	7.258	-0.001	86	77846	3.75	3.56	
88 Acenaphthylene	152	7.327	7.328	-0.001	99	538080	3.75	3.62	
89 3-Nitroaniline	138	7.415	7.415	0.000	86	85127	3.75	3.58	
* 90 Acenaphthene-d10	164	7.461	7.462	-0.001	94	385056	5.00	5.00	
91 Acenaphthene	153	7.496	7.497	-0.001	96	337447	3.75	3.55	
92 2,4-Dinitrophenol	184	7.514	7.514	0.000	74	130348	11.3	10.3	
93 4-Nitrophenol	109	7.560	7.561	-0.001	82	124218	7.50	7.28	
94 Pentachlorobenzene	250	7.619	7.619	0.000	97	145886	3.75	3.55	
95 2,4-Dinitrotoluene	165	7.636	7.636	0.000	85	102391	3.75	3.49	
96 Dibenzofuran	168	7.660	7.660	0.000	97	478582	3.75	3.63	
97 1-Naphthylamine	143	7.729	7.730	-0.001	98	302651	3.75	3.62	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.770	7.765	0.005	75	96800	3.75	3.72	
99 2-Naphthylamine	143	7.805	7.805	0.000	94	339001	3.75	3.57	
100 Diethyl phthalate	149	7.875	7.875	0.000	97	359760	3.75	3.70	
101 Thionazin	107	7.951	7.951	0.000	78	66476	3.75	3.34	
102 Fluorene	166	7.980	7.980	0.000	91	380479	3.75	3.57	
103 4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	80	193689	3.75	3.69	
104 N-Nitro-o-toluidine	152	7.986	7.986	0.000	73	101748	3.75	3.58	
105 4-Nitroaniline	138	7.986	7.992	-0.006	74	95521	3.75	3.68	
106 4,6-Dinitro-2-methylphenol	198	8.021	8.021	0.000	76	112535	7.50	6.64	
107 N-Nitrosodiphenylamine	169	8.091	8.091	0.000	62	270495	3.19	3.19	
108 1,2-Diphenylhydrazine	77	8.132	8.132	0.000	42	522349	3.75	3.60	
$ 109 2,4,6-Tribromophenol	330	8.207	8.208	-0.001	89	98465	7.50	7.43	
110 Sulfotepp	97	8.248	8.248	0.000	80	78223	3.75	3.52	
112 1,3,5-Trinitrobenzene	213	8.330	8.330	0.000	81	32077	3.75	2.97	
113 cis-Diallate	86	8.371	8.371	0.000	0	150112	2.78	2.45	
114 Phorate	75	8.376	8.377	-0.001	93	303783	3.75	3.81	
115 Phenacetin	108	8.376	8.377	-0.001	73	197475	3.75	3.59	
116 4-Bromophenyl phenyl ether	248	8.446	8.447	-0.001	70	109083	3.75	3.68	
117 trans-Diallate	86	8.452	8.458	-0.006	0	54738	0.9750	0.8584	
118 Hexachlorobenzene	284	8.499	8.499	0.000	93	116801	3.75	3.68	
119 Dimethoate	87	8.528	8.534	-0.006	96	177530	3.75	3.50	
120 Atrazine	200	8.598	8.598	0.000	90	110966	3.75	3.72	
121 Pentachlorophenol	266	8.680	8.680	0.000	90	131014	7.50	6.90	
122 4-Aminobiphenyl	169	8.691	8.691	0.000	92	427343	3.75	3.72	
123 Pentachloronitrobenzene	237	8.691	8.697	-0.006	85	50111	3.75	3.70	
124 Pronamide	173	8.744	8.744	0.000	91	159271	3.75	3.49	
125 Dinoseb	211	8.860	8.860	0.000	95	73944	3.75	3.35	
* 126 Phenanthrene-d10	188	8.866	8.866	0.000	97	704829	5.00	5.00	
127 Disulfoton	88	8.872	8.872	0.000	95	312380	3.75	3.40	
128 Phenanthrene	178	8.889	8.890	-0.001	98	559497	3.75	3.64	
129 Anthracene	178	8.942	8.942	0.000	99	566832	3.75	3.72	
130 Carbazole	167	9.088	9.088	0.000	96	508449	3.75	3.73	
131 Methyl parathion	109	9.227	9.228	-0.001	90	129457	3.75	3.42	
133 Di-n-butyl phthalate	149	9.431	9.432	-0.001	100	553933	3.75	3.76	
134 Ethyl Parathion	109	9.600	9.601	-0.001	82	70719	3.75	3.19	
135 4-Nitroquinoline-1-oxide	190	9.618	9.618	0.000	73	30726	3.75	3.35	
S 136 Diallate	86				0		3.75	3.31	
140 Octachlorostyrene	308	9.839	9.840	-0.001	92	46107	3.75	3.79	
141 Isodrin	193	9.880	9.880	0.000	91	67174	3.75	3.55	
143 Fluoranthene	202	10.020	10.020	0.000	99	612334	3.75	3.76	
147 Benzidine	184	10.148	10.149	-0.001	99	1186380	11.3	10.4	
* 149 Pyrene-d10 (IS)	212	10.218	10.219	-0.001	100	743954	5.00	5.00	
150 Pyrene	202	10.236	10.236	0.000	96	676379	3.75	3.57	
$ 152 p-Terphenyl-d14	244	10.399	10.399	0.000	99	897894	7.50	7.31	
154 p-Dimethylamino azobenzene	225	10.539	10.539	0.000	93	93753	3.75	3.25	
155 Chlorobenzilate	139	10.591	10.592	-0.001	86	161707	3.75	3.41	
156 3,3'-Dimethylbenzidine	212	10.894	10.895	-0.001	99	343095	3.75	3.45	
157 Butyl benzyl phthalate	149	10.918	10.918	0.000	94	236930	3.75	3.43	
158 2-Acetylaminofluorene	181	11.168	11.169	-0.001	96	166192	3.75	2.88	
159 3,3'-Dichlorobenzidine	252	11.512	11.513	0.000	74	198112	3.75	3.44	
160 4,4'-Methylene bis(2-chloroani	231	11.524	11.524	0.000	96	108829	3.75	3.37	
161 Benzo[a]anthracene	228	11.536	11.536	0.000	99	563072	3.75	3.72	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	11.576	11.582	-0.006	98	548150	3.75	3.61	
163 Bis(2-ethylhexyl) phthalate	149	11.611	11.612	-0.001	96	304212	3.75	3.29	
164 6-Methylchrysene	242	12.159	12.159	0.000	99	361980	3.75	3.52	
165 Di-n-octyl phthalate	149	12.491	12.492	-0.001	99	447395	3.75	3.36	M
166 7,12-Dimethylbenz(a)anthracene	256	12.964	12.970	-0.006	69	215590	3.75	3.54	
167 Benzo[b]fluoranthene	252	12.964	12.970	-0.006	97	558588	3.75	3.75	
168 Benzo[k]fluoranthene	252	13.004	13.010	-0.006	100	576600	3.75	3.70	
169 Benzo[a]pyrene	252	13.436	13.436	0.000	78	463285	3.75	3.59	
* 170 Perylene-d12	264	13.517	13.518	-0.001	97	598403	5.00	5.00	
171 3-Methylcholanthrene	268	13.960	13.961	-0.001	91	228764	3.75	3.45	
172 Dibenz[a,h]acridine	279	14.747	14.753	-0.006	91	346351	3.75	3.56	
173 Dibenz[a,j]acridine	279	14.817	14.823	-0.006	96	412244	3.75	3.82	
174 Indeno[1,2,3-cd]pyrene	276	15.062	15.062	0.000	99	390110	3.75	3.65	
175 Dibenz(a,h)anthracene	278	15.103	15.109	-0.006	92	460183	3.75	3.65	
176 Benzo[g,h,i]perylene	276	15.452	15.453	-0.001	98	458856	3.75	3.61	
S 178 Dinitrotoluene	165				0			7.05	
S 182 Isosafrole	162				0		3.75	3.56	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_4_00026 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2023 17:56:48 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2316.D

Injection Date: 23-Mar-2023 15:24:30 Instrument ID: HP19760 Operator ID: em10340

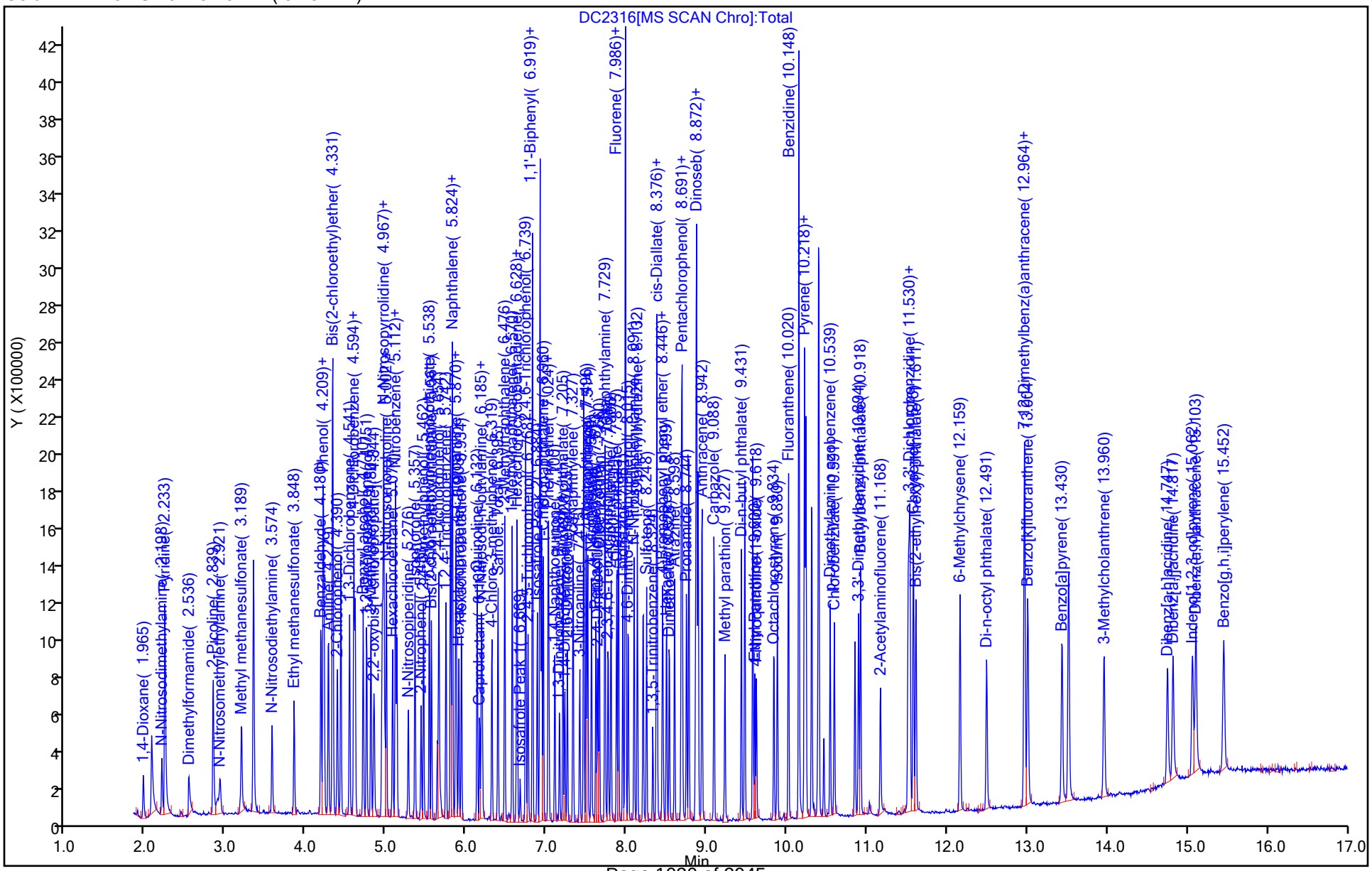
Lims ID: IC L4 Worklist Smp#: 8

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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

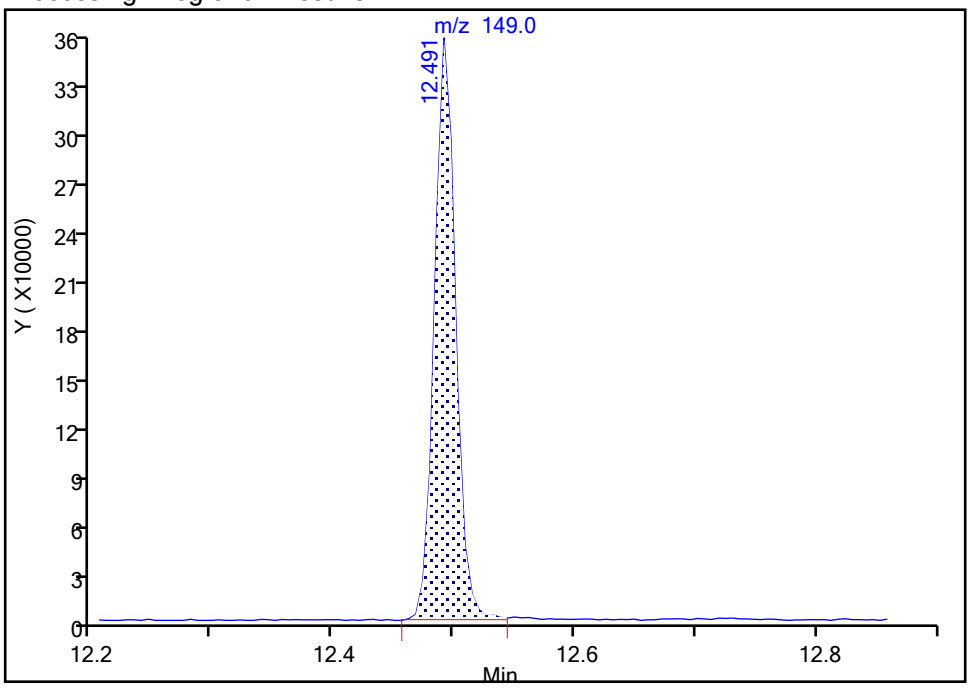
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2316.D				
Injection Date:	23-Mar-2023 15:24:30	Instrument ID:	HP19760		
Lims ID:	IC L4				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

165 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 1

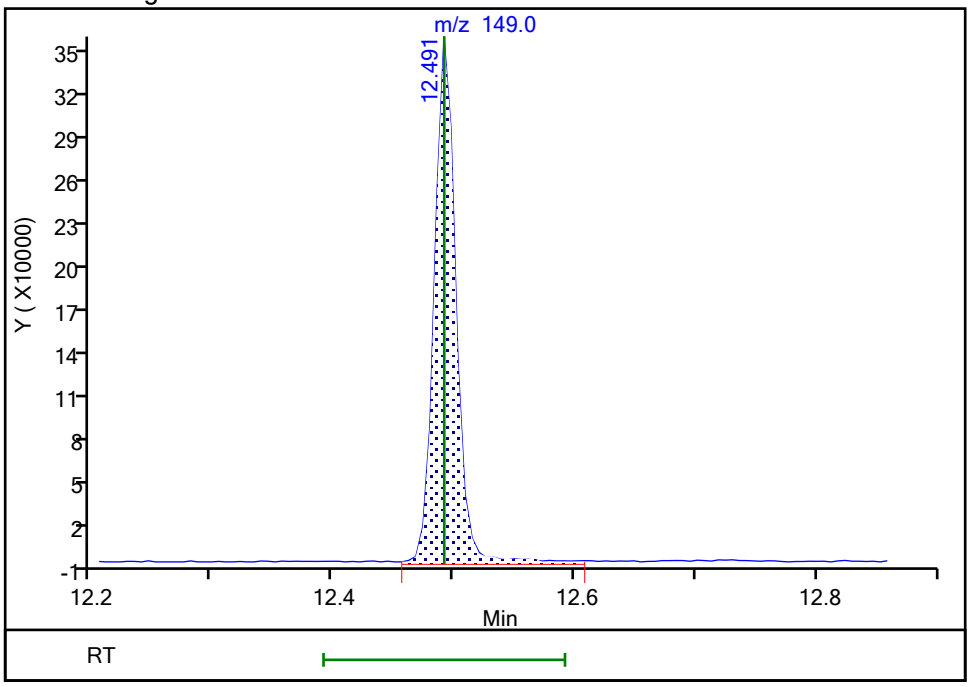
Processing Integration Results

RT: 12.49
Area: 435390
Amount: 3.296043
Amount Units: ug/ml



Manual Integration Results

RT: 12.49
Area: 447395
Amount: 3.357927
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 17:10:41
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\20230323-79683.b\DC2317.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Mar-2023 15:46:30 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0079683-009
Operator ID: em10340 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub26

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 17:56:53 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: P7EB Date: 23-Mar-2023 16:28:04

	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	1.959	1.965	-0.006	96	27228	1.25	1.27	
	3 N-Nitrosodimethylamine	74	2.192	2.193	-0.001	93	40963	1.25	1.23	
	4 Pyridine	79	2.233	2.233	0.000	98	134481	2.50	2.48	
	6 Dimethylformamide	73	2.554	2.525	0.029	95	50756	1.25	1.49	M
	7 2-Picoline	93	2.839	2.834	0.005	89	62591	1.25	1.21	
	8 N-Nitrosomethylethylamine	88	2.921	2.921	0.000	90	29560	1.25	1.30	
	9 Methyl methanesulfonate	80	3.189	3.189	0.000	85	36416	1.25	1.25	
$	10 2-Fluorophenol	112	3.341	3.341	0.000	93	95602	2.50	2.53	
	11 N-Nitrosodiethylamine	102	3.568	3.574	-0.006	92	25438	1.25	1.24	
	12 Ethyl methanesulfonate	109	3.848	3.848	0.000	97	25944	1.25	1.16	
	15 Benzaldehyde	77	4.180	4.180	0.000	93	56176	1.25	1.34	
$	16 Phenol-d5	99	4.209	4.209	0.000	95	133530	2.50	2.45	
	17 Phenol	94	4.221	4.227	-0.006	92	65491	1.25	1.17	
	18 Aniline	93	4.273	4.279	-0.006	95	87364	1.25	1.27	
	19 Bis(2-chloroethyl)ether	93	4.332	4.332	0.000	91	61134	1.25	1.33	
	20 2-Chlorophenol	128	4.390	4.390	0.000	92	44665	1.25	1.31	
	21 1,3-Dichlorobenzene	146	4.541	4.541	0.000	92	49906	1.25	1.29	
*	22 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	97	129173	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.611	4.611	0.000	95	54422	1.25	1.34	
	25 Benzyl alcohol	108	4.710	4.710	0.000	90	33689	1.25	1.28	
	26 1,2-Dichlorobenzene	146	4.751	4.751	0.000	92	50344	1.25	1.35	
	28 2-Methylphenol	108	4.804	4.810	-0.006	93	42762	1.25	1.18	
	29 2,2'-oxybis[1-chloropropane]	45	4.844	4.845	-0.001	93	71121	1.25	1.21	
	31 N-Nitrosopyrrolidine	100	4.938	4.944	-0.006	89	24710	1.25	1.13	
	32 4-Methylphenol	108	4.949	4.955	-0.006	96	46349	1.25	1.21	
	33 N-Nitrosodi-n-propylamine	70	4.961	4.967	-0.006	70	44114	1.25	1.19	
	34 Acetophenone	105	4.967	4.967	0.000	94	73221	1.25	1.23	
	35 N-Nitrosomorpholine	56	4.979	4.984	-0.005	93	36753	1.25	1.30	
	36 2-Toluidine	106	5.002	5.002	0.000	93	83302	1.25	1.26	
	38 Hexachloroethane	117	5.078	5.078	0.000	94	21368	1.25	1.26	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	5.113	5.113	0.000	86	127985	2.50	2.46	
40 Nitrobenzene	77	5.130	5.130	0.000	87	64519	1.25	1.22	
42 N-Nitrosopiperidine	114	5.276	5.276	0.000	85	23094	1.25	1.18	
43 Isophorone	82	5.357	5.357	0.000	96	110489	1.25	1.21	
44 2-Nitrophenol	139	5.433	5.433	0.000	88	18109	1.25	1.14	
45 2,4-Dimethylphenol	107	5.462	5.462	0.000	97	47568	1.25	1.19	
46 o,o',o''-Triethylphosphorothioat	198	5.538	5.538	0.000	94	20785	1.25	1.20	
47 Bis(2-chloroethoxy)methane	93	5.561	5.561	0.000	98	69232	1.25	1.24	
48 2,4-Dichlorophenol	162	5.655	5.655	0.000	96	32172	1.25	1.18	
49 1,2,4-Trichlorobenzene	180	5.742	5.742	0.000	91	40743	1.25	1.23	
* 50 Naphthalene-d8	136	5.800	5.800	0.000	100	494483	5.00	5.00	
51 Naphthalene	128	5.818	5.818	0.000	97	134088	1.25	1.27	
52 Alpha-Terpineol	59	5.824	5.824	0.000	88	40801	1.25	1.18	
53 4-Chloroaniline	127	5.864	5.865	-0.001	92	51493	1.25	1.23	
54 2,6-Dichlorophenol	162	5.870	5.876	-0.006	87	32742	1.25	1.18	
55 Hexachloropropene	213	5.905	5.905	0.000	89	28781	1.25	1.29	
56 Hexachlorobutadiene	225	5.934	5.935	0.000	94	22943	1.25	1.22	
60 Quinoline	129	6.133	6.133	0.000	94	80204	1.25	1.19	
61 Caprolactam	113	6.162	6.168	-0.006	82	12006	1.25	1.09	
62 N-Nitrosodi-n-butylamine	84	6.185	6.185	0.000	93	46579	1.25	1.18	M
63 p-Phenylene diamine	108	6.197	6.197	0.000	93	34070	1.25	1.00	
64 4-Chloro-3-methylphenol	107	6.313	6.319	-0.006	92	39818	1.25	1.13	
65 Safrole, Total	162	6.395	6.395	0.000	83	32647	1.25	1.22	
66 2-Methylnaphthalene	142	6.476	6.477	-0.001	89	82095	1.25	1.22	
67 1-Methylnaphthalene	142	6.570	6.570	0.000	92	79488	1.25	1.27	
68 Hexachlorocyclopentadiene	237	6.628	6.628	0.000	94	25192	1.25	1.20	
69 1,2,4,5-Tetrachlorobenzene	216	6.634	6.634	0.000	98	42708	1.25	1.26	
70 Isosafrole Peak 1	162	6.669	6.669	0.000	85	5807	0.2000	0.1900	
71 2,4,6-Trichlorophenol	196	6.739	6.739	0.000	92	23472	1.25	1.19	
72 2,4,5-Trichlorophenol	196	6.768	6.768	0.000	91	24268	1.25	1.14	
$ 73 2-Fluorobiphenyl (Surr)	172	6.826	6.826	0.000	99	191935	2.50	2.53	
74 Isosafrole Peak 2	162	6.884	6.885	-0.001	88	32209	1.05	1.00	
75 1,1'-Biphenyl	154	6.919	6.920	-0.001	94	109433	1.25	1.32	
76 2-Chloronaphthalene	162	6.937	6.937	0.000	95	82032	1.25	1.28	
77 1-Chloronaphthalene	162	6.960	6.960	0.000	98	79617	1.25	1.28	
78 Phenyl ether	170	7.019	7.019	0.000	86	59632	1.25	1.30	
79 2-Nitroaniline	138	7.024	7.030	-0.006	72	19045	1.25	1.00	
81 1,4-Naphthoquinone	158	7.100	7.100	0.000	78	25841	1.25	1.10	
86 1,3-Dinitrobenzene	168	7.158	7.164	-0.006	83	9318	1.25	0.9600	
85 Dimethyl phthalate	163	7.205	7.205	0.000	97	88218	1.25	1.23	
84 1,4-Dinitrobenzene	168	7.228	7.228	0.000	81	12097	1.25	1.12	
87 2,6-Dinitrotoluene	165	7.258	7.258	0.000	82	15553	1.25	1.03	
88 Acenaphthylene	152	7.327	7.328	-0.001	99	125089	1.25	1.22	
89 3-Nitroaniline	138	7.415	7.415	0.000	87	17411	1.25	1.06	
* 90 Acenaphthene-d10	164	7.462	7.462	0.000	94	266166	5.00	5.00	
91 Acenaphthene	153	7.491	7.497	-0.006	96	81765	1.25	1.25	
92 2,4-Dinitrophenol	184	7.514	7.514	0.000	70	30230	5.00	5.11	
93 4-Nitrophenol	109	7.561	7.561	0.000	82	41316	3.75	3.50	
94 Pentachlorobenzene	250	7.619	7.619	0.000	95	34886	1.25	1.23	
95 2,4-Dinitrotoluene	165	7.636	7.636	0.000	83	20772	1.25	1.02	
96 Dibenzofuran	168	7.660	7.660	0.000	97	117422	1.25	1.29	
97 1-Naphthylamine	143	7.730	7.730	0.000	97	64936	1.25	1.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.770	7.765	0.005	76	20144	1.25	1.12	
99 2-Naphthylamine	143	7.805	7.805	0.000	94	76297	1.25	1.16	
100 Diethyl phthalate	149	7.875	7.875	0.000	97	81497	1.25	1.21	
101 Thionazin	107	7.951	7.951	0.000	75	14256	1.25	1.04	
102 Fluorene	166	7.980	7.980	0.000	92	89338	1.25	1.21	
103 4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	77	47107	1.25	1.30	
104 N-Nitro-o-toluidine	152	7.986	7.986	0.000	68	21656	1.25	1.10	
105 4-Nitroaniline	138	7.986	7.992	-0.006	70	19681	1.25	1.10	
106 4,6-Dinitro-2-methylphenol	198	8.021	8.021	0.000	74	34391	3.75	2.90	
107 N-Nitrosodiphenylamine	169	8.091	8.091	0.000	62	61255	1.06	1.03	
108 1,2-Diphenylhydrazine	77	8.132	8.132	0.000	42	120997	1.25	1.19	
$ 109 2,4,6-Tribromophenol	330	8.208	8.208	0.000	89	21367	2.50	2.33	
110 Sulfotepp	97	8.248	8.248	0.000	77	18223	1.25	1.17	
112 1,3,5-Trinitrobenzene	213	8.324	8.330	-0.006	81	6610	1.25	0.8747	
113 cis-Diallate	86	8.371	8.371	0.000	0	39270	0.9250	0.9170	
114 Phorate	75	8.377	8.377	0.000	92	60036	1.25	1.08	
115 Phenacetin	108	8.377	8.377	0.000	72	40838	1.25	1.06	
116 4-Bromophenyl phenyl ether	248	8.447	8.447	0.000	67	26304	1.25	1.27	
117 trans-Diallate	86	8.452	8.458	-0.006	0	16666	0.3250	0.3741	
118 Hexachlorobenzene	284	8.499	8.499	0.000	89	26262	1.25	1.18	
119 Dimethoate	87	8.528	8.534	-0.006	96	37289	1.25	1.05	
120 Atrazine	200	8.598	8.598	0.000	90	23527	1.25	1.13	
121 Pentachlorophenol	266	8.680	8.680	0.000	91	27313	2.50	2.06	
122 4-Aminobiphenyl	169	8.691	8.691	0.000	91	94027	1.25	1.17	
123 Pentachloronitrobenzene	237	8.691	8.697	-0.006	84	11056	1.25	1.17	
124 Pronamide	173	8.744	8.744	0.000	90	33049	1.25	1.04	
125 Dinoseb	211	8.860	8.860	0.000	92	12731	1.25	1.29	M
* 126 Phenanthrene-d10	188	8.866	8.866	0.000	97	492354	5.00	5.00	
127 Disulfoton	88	8.872	8.872	0.000	94	70969	1.25	1.10	
128 Phenanthrene	178	8.890	8.890	0.000	98	133089	1.25	1.24	
129 Anthracene	178	8.936	8.942	-0.006	98	128947	1.25	1.21	
130 Carbazole	167	9.088	9.088	0.000	95	114418	1.25	1.20	
131 Methyl parathion	109	9.228	9.228	0.000	91	25224	1.25	0.9528	
133 Di-n-butyl phthalate	149	9.432	9.432	0.000	100	114928	1.25	1.12	
134 Ethyl Parathion	109	9.595	9.601	-0.006	80	12981	1.25	0.8379	
135 4-Nitroquinoline-1-oxide	190	9.624	9.618	0.006	72	6162	1.25	1.28	
S 136 Diallate	86				0		1.25	1.29	
140 Octachlorostyrene	308	9.834	9.840	-0.006	91	11071	1.25	1.30	
141 Isodrin	193	9.880	9.880	0.000	90	17401	1.25	1.32	
143 Fluoranthene	202	10.020	10.020	0.000	98	138838	1.25	1.22	
147 Benzidine	184	10.149	10.149	0.000	99	235470	3.75	3.09	
* 149 Pyrene-d10 (IS)	212	10.218	10.219	-0.001	99	497336	5.00	5.00	
150 Pyrene	202	10.236	10.236	0.000	96	155469	1.25	1.23	
$ 152 p-Terphenyl-d14	244	10.393	10.399	-0.006	99	214129	2.50	2.61	
154 p-Dimethylamino azobenzene	225	10.539	10.539	0.000	92	17339	1.25	0.8989	
155 Chlorobenzilate	139	10.591	10.592	-0.001	86	33314	1.25	1.05	
156 3,3'-Dimethylbenzidine	212	10.895	10.895	0.000	99	65912	1.25	0.99	
157 Butyl benzyl phthalate	149	10.918	10.918	0.000	94	46705	1.25	1.01	
158 2-Acetylaminofluorene	181	11.169	11.169	0.000	94	28561	1.25	0.9352	
159 3,3'-Dichlorobenzidine	252	11.512	11.513	0.000	74	38189	1.25	0.99	
160 4,4'-Methylene bis(2-chloroani	231	11.524	11.524	0.000	93	21674	1.25	1.00	
161 Benzo[a]anthracene	228	11.536	11.536	0.000	99	123139	1.25	1.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	11.577	11.582	-0.005	98	129175	1.25	1.27	
163 Bis(2-ethylhexyl) phthalate	149	11.612	11.612	0.000	95	58702	1.25	0.9492	M
164 6-Methylchrysene	242	12.159	12.159	0.000	99	78885	1.25	1.15	
165 Di-n-octyl phthalate	149	12.492	12.492	0.000	99	77819	1.25	1.29	M
166 7,12-Dimethylbenz(a)anthracene	256	12.964	12.970	-0.006	85	45718	1.25	1.10	M
167 Benzo[b]fluoranthene	252	12.964	12.970	-0.006	96	125413	1.25	1.23	
168 Benzo[k]fluoranthene	252	13.005	13.010	-0.005	99	126269	1.25	1.19	
169 Benzo[a]pyrene	252	13.430	13.436	-0.006	79	95358	1.25	1.08	
* 170 Perylene-d12	264	13.512	13.518	-0.006	98	408603	5.00	5.00	
171 3-Methylcholanthrene	268	13.955	13.961	-0.006	90	47586	1.25	1.05	
172 Dibenz[a,h]acridine	279	14.747	14.753	-0.006	91	72956	1.25	1.10	
173 Dibenz[a,j]acridine	279	14.817	14.823	-0.006	96	79494	1.25	1.08	
174 Indeno[1,2,3-cd]pyrene	276	15.056	15.062	-0.006	98	83890	1.25	1.15	M
175 Dibenz(a,h)anthracene	278	15.103	15.109	-0.006	91	101408	1.25	1.18	
176 Benzo[g,h,i]perylene	276	15.447	15.453	-0.006	98	101293	1.25	1.17	
S 178 Dinitrotoluene	165				0			2.05	
S 182 Isosafrole	162				0		1.25	1.19	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_3_00026 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2023 17:56:54 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2317.D

Injection Date: 23-Mar-2023 15:46:30 Instrument ID: HP19760 Operator ID: em10340

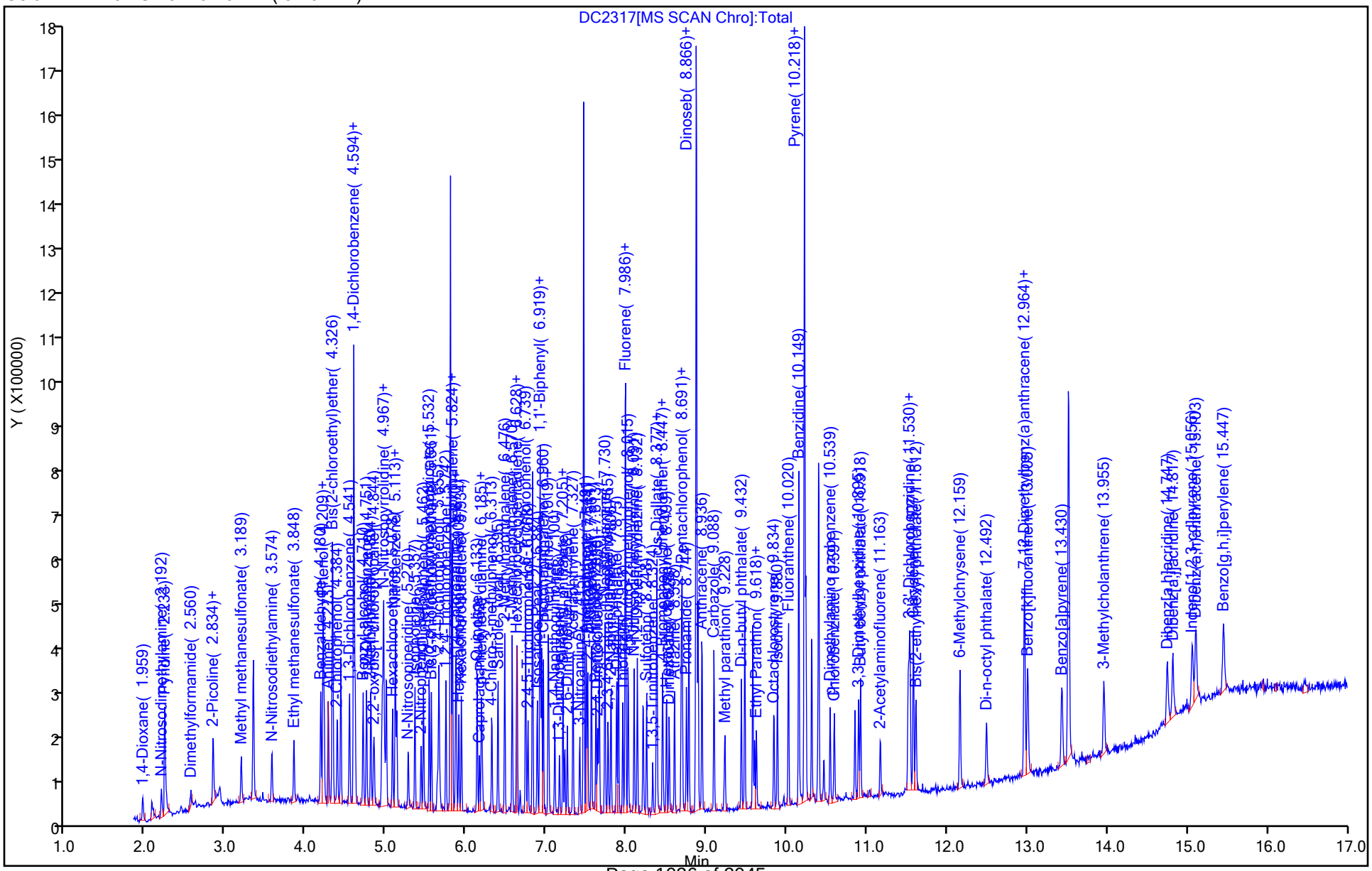
Lims ID: IC L3 Worklist Smp#: 9

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

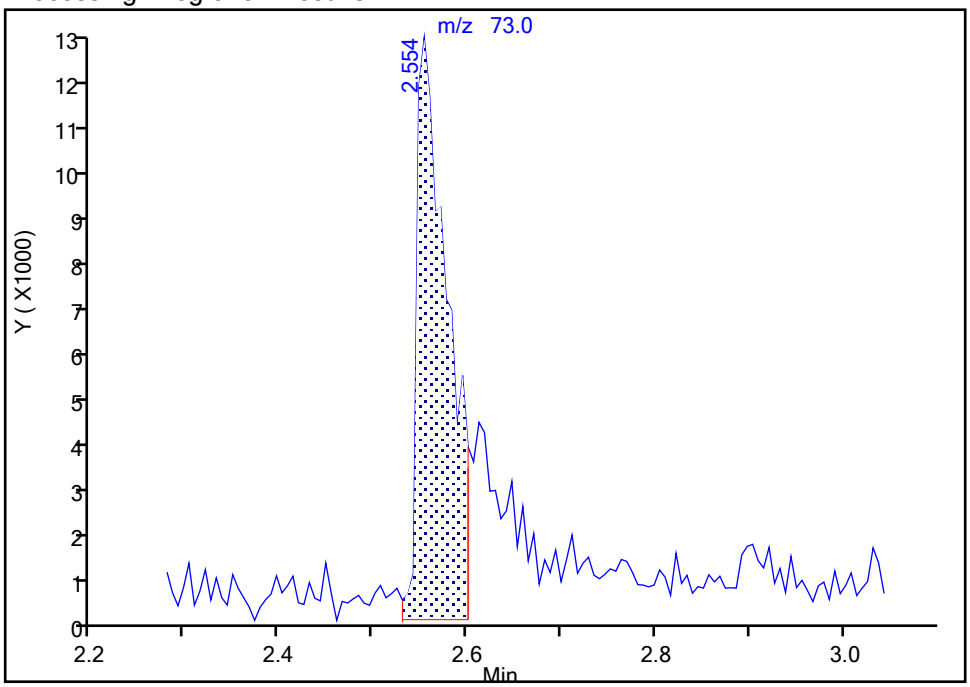
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2317.D				
Injection Date:	23-Mar-2023 15:46:30	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Dimethylformamide, CAS: 68-12-2

Signal: 1

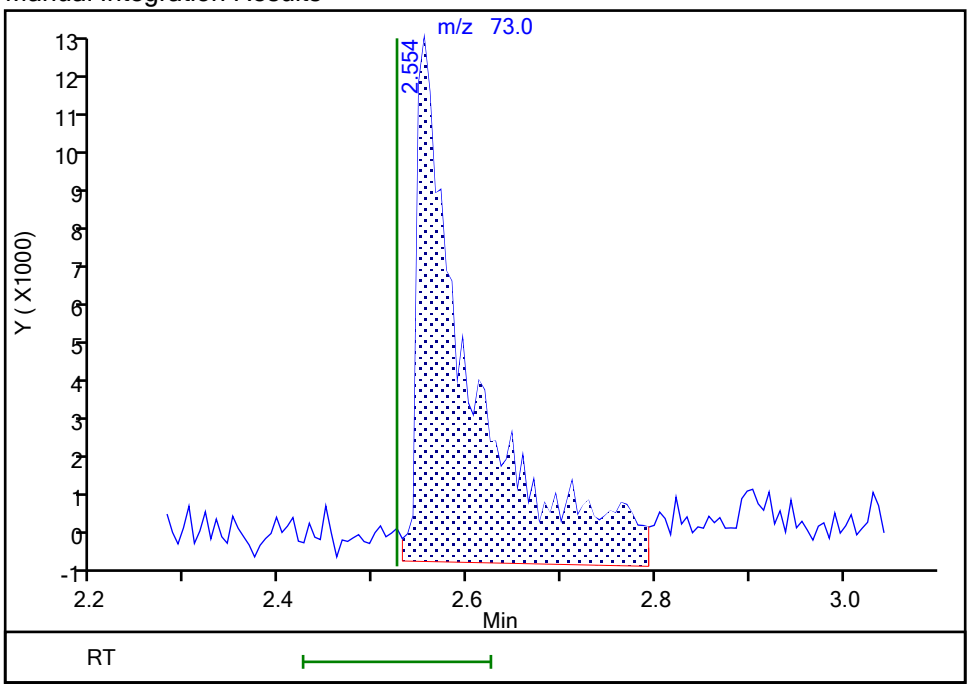
Processing Integration Results

RT: 2.55
Area: 28117
Amount: 0.966346
Amount Units: ug/ml



Manual Integration Results

RT: 2.55
Area: 50756
Amount: 1.487153
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 16:26:53
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

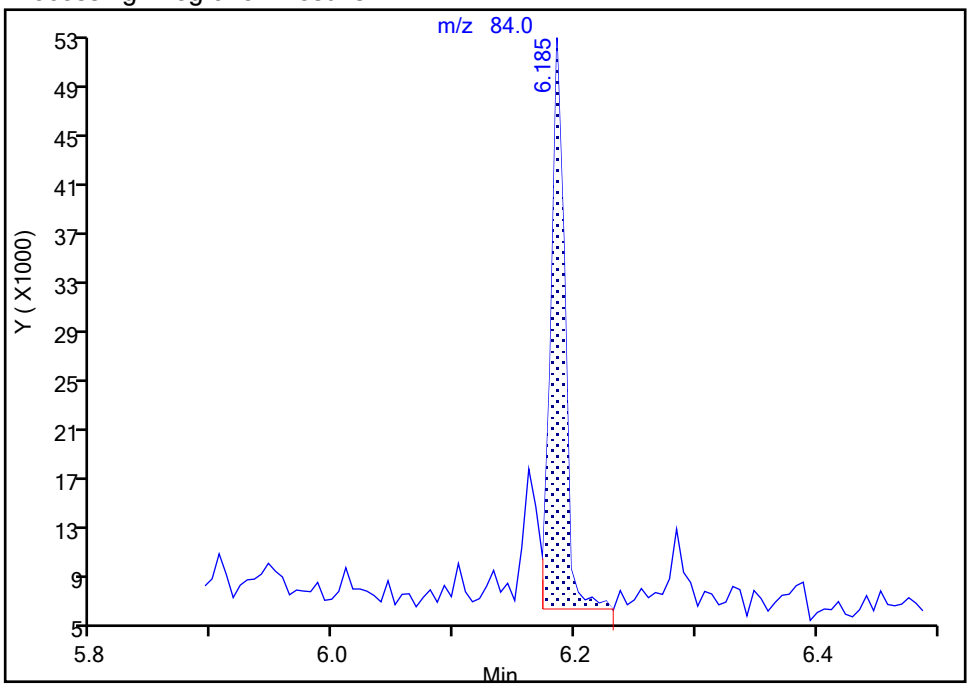
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2317.D				
Injection Date:	23-Mar-2023 15:46:30	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

62 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Signal: 1

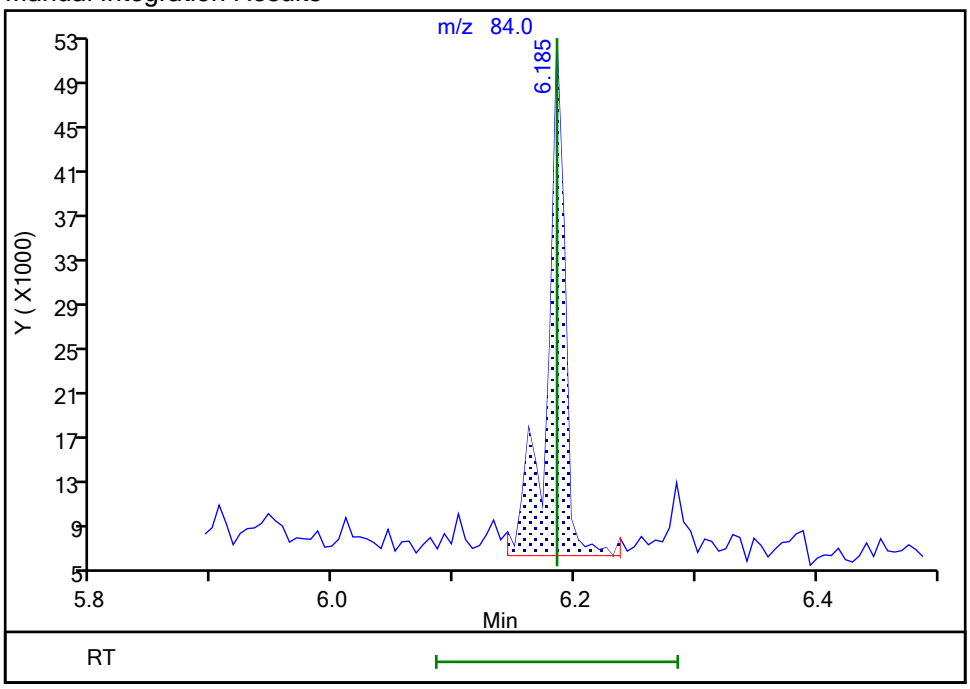
Processing Integration Results

RT: 6.19
Area: 36744
Amount: 0.927914
Amount Units: ug/ml



Manual Integration Results

RT: 6.19
Area: 46579
Amount: 1.183707
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 16:40:29

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

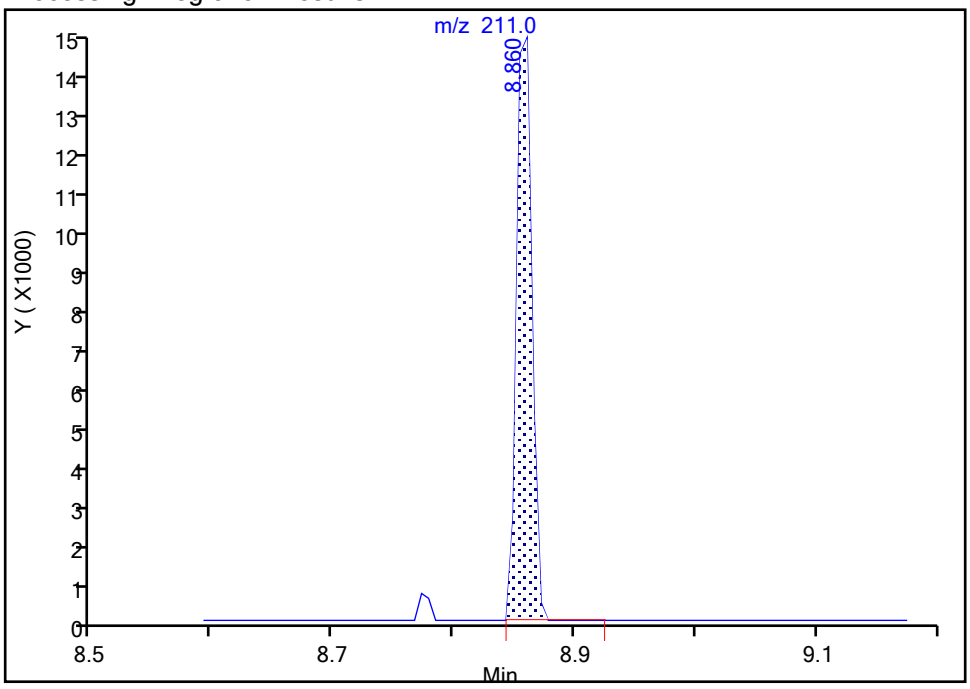
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2317.D				
Injection Date:	23-Mar-2023 15:46:30	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

125 Dinoseb, CAS: 88-85-7

Signal: 1

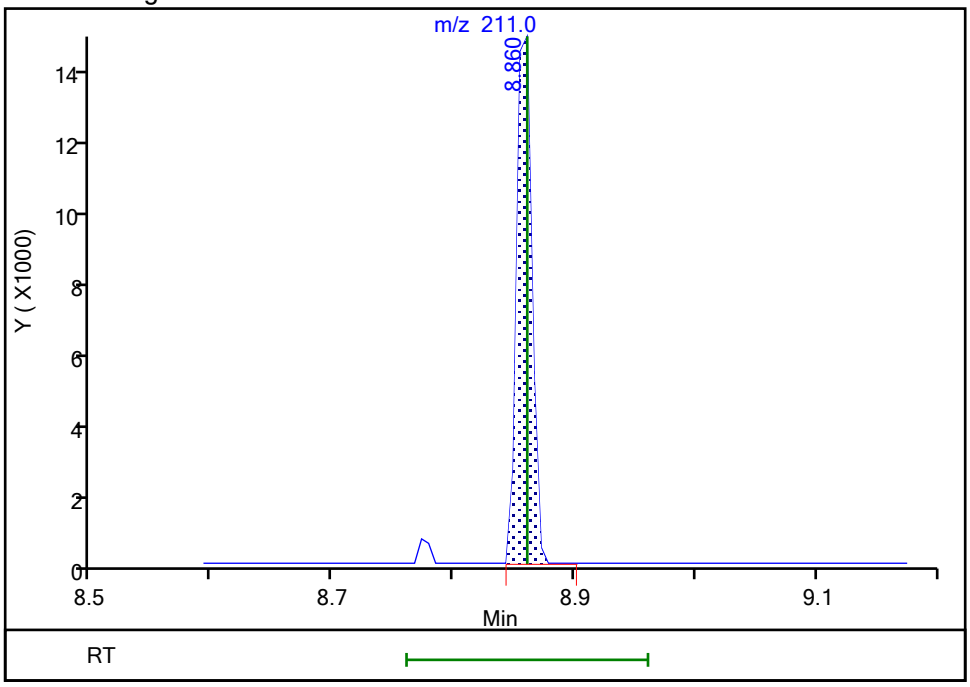
Processing Integration Results

RT: 8.86
Area: 12731
Amount: 0.927842
Amount Units: ug/ml



Manual Integration Results

RT: 8.86
Area: 12731
Amount: 1.292596
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 16:54:23
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

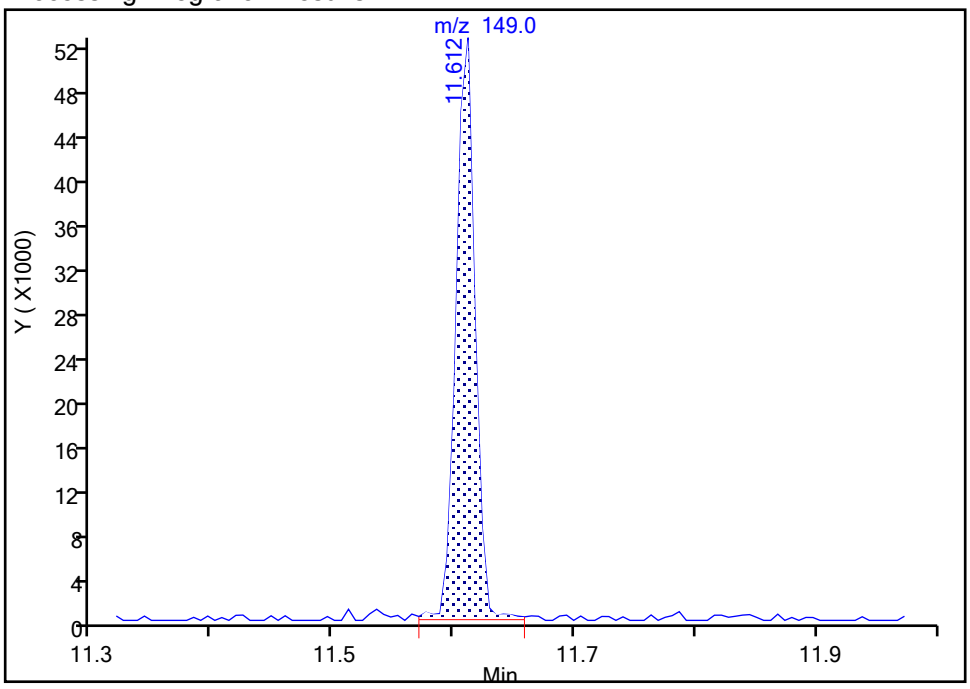
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2317.D				
Injection Date:	23-Mar-2023 15:46:30	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

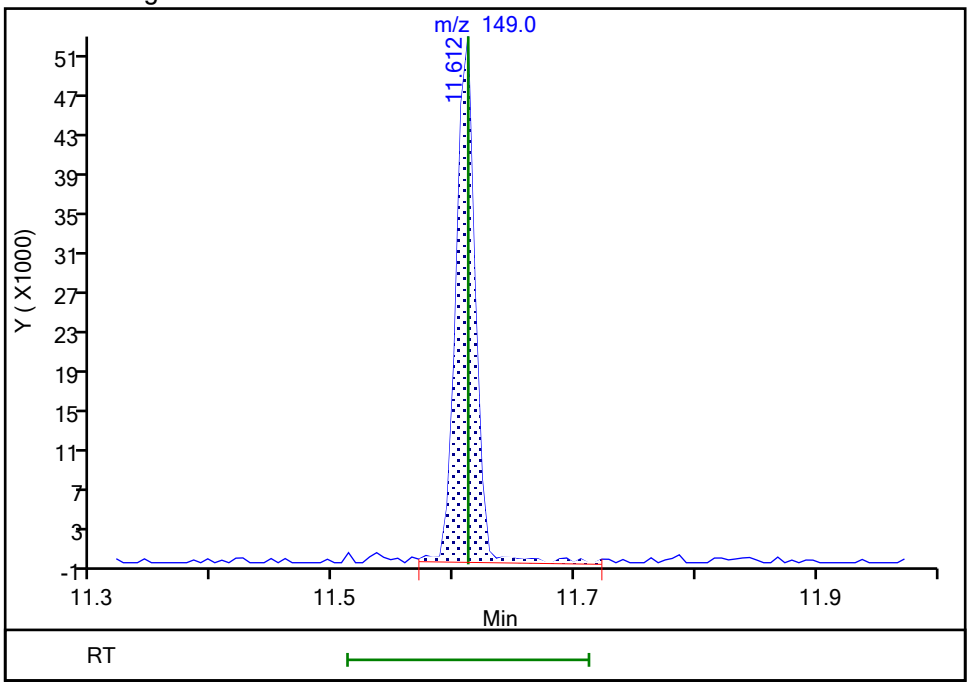
Processing Integration Results

RT: 11.61
Area: 57568
Amount: 0.950405
Amount Units: ug/ml



Manual Integration Results

RT: 11.61
Area: 58702
Amount: 0.949250
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 17:07:38
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

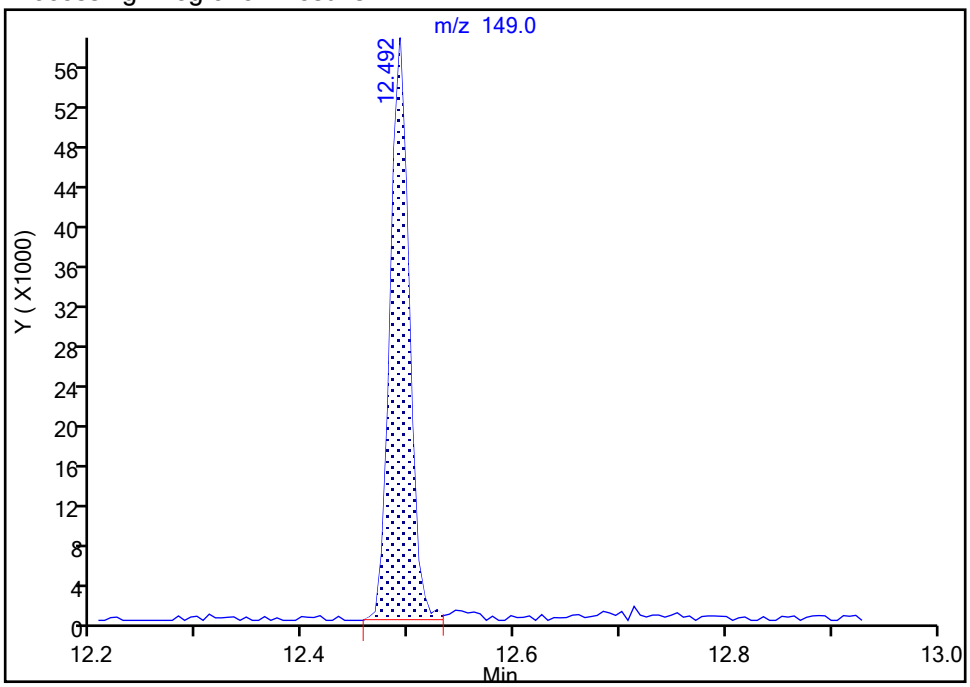
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2317.D				
Injection Date:	23-Mar-2023 15:46:30	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

165 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 1

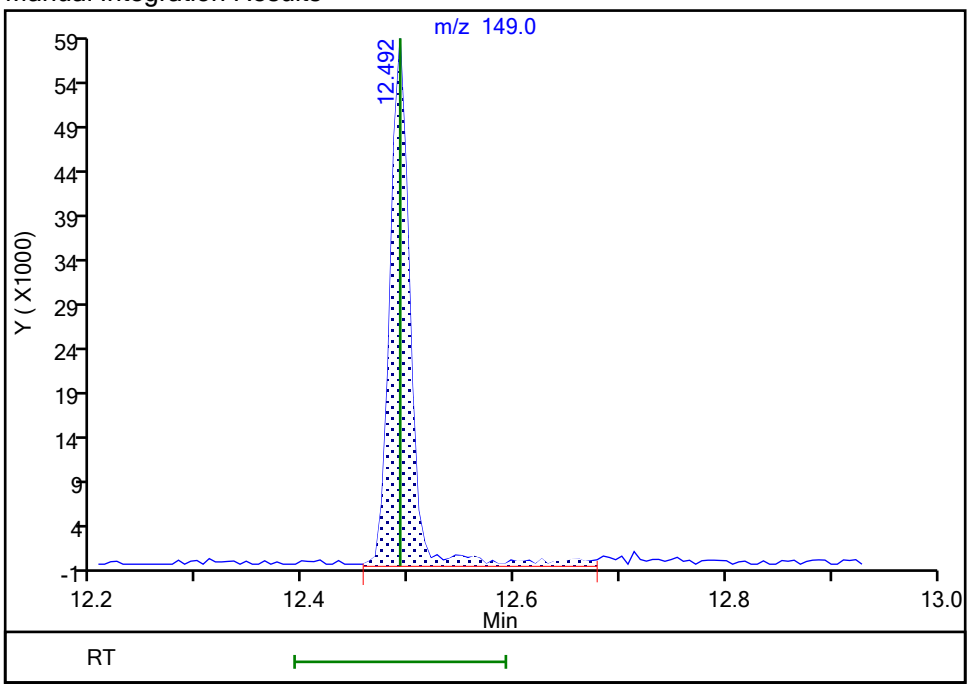
Processing Integration Results

RT: 12.49
Area: 72676
Amount: 0.879167
Amount Units: ug/ml



Manual Integration Results

RT: 12.49
Area: 77819
Amount: 1.289180
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 17:09:58
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

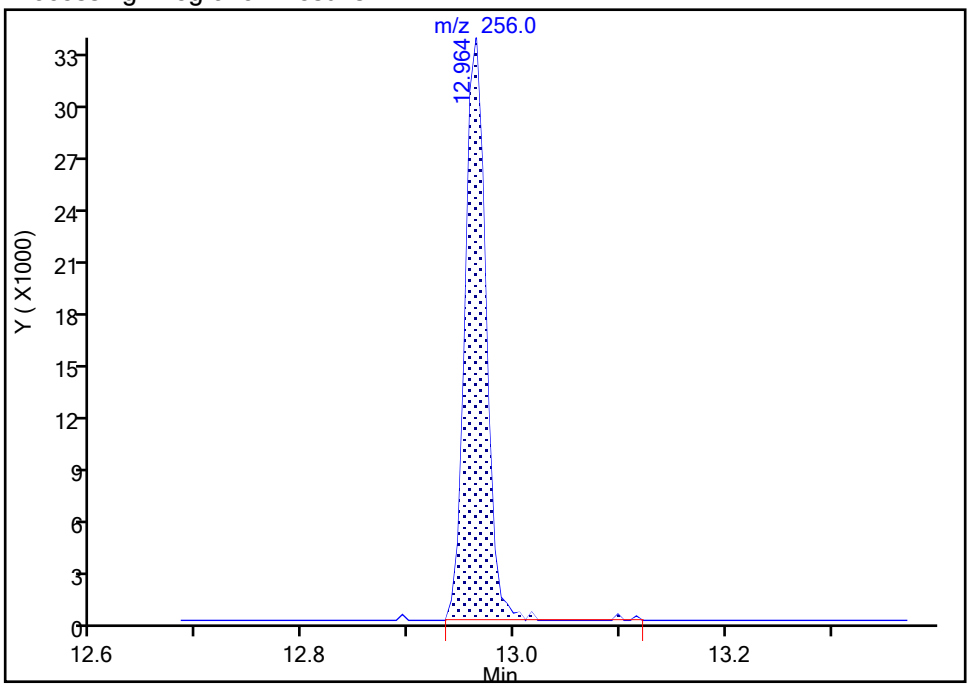
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2317.D				
Injection Date:	23-Mar-2023 15:46:30	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 7,12-Dimethylbenz(a)anthracene, CAS: 57-97-6

Signal: 1

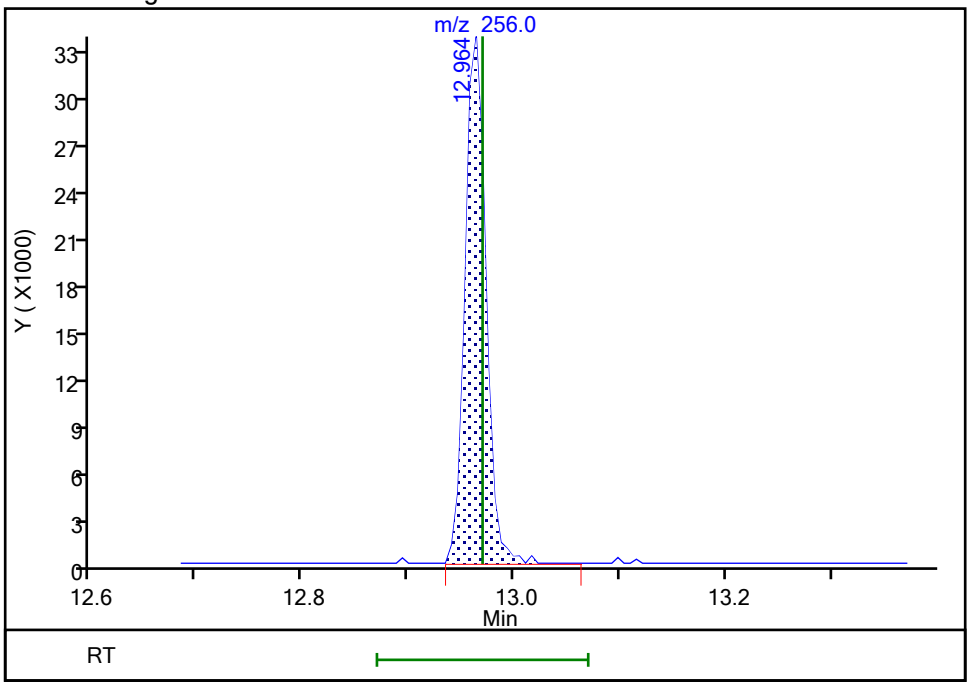
Processing Integration Results

RT: 12.96
Area: 45935
Amount: 1.104404
Amount Units: ug/ml



Manual Integration Results

RT: 12.96
Area: 45718
Amount: 1.099760
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 17:08:16
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

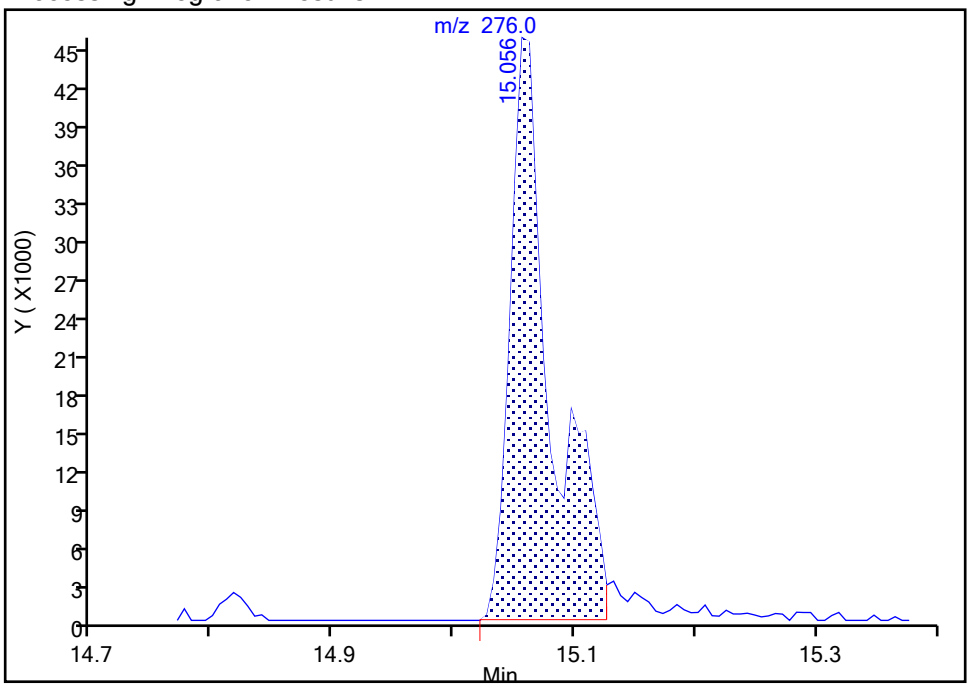
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2317.D				
Injection Date:	23-Mar-2023 15:46:30	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

174 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

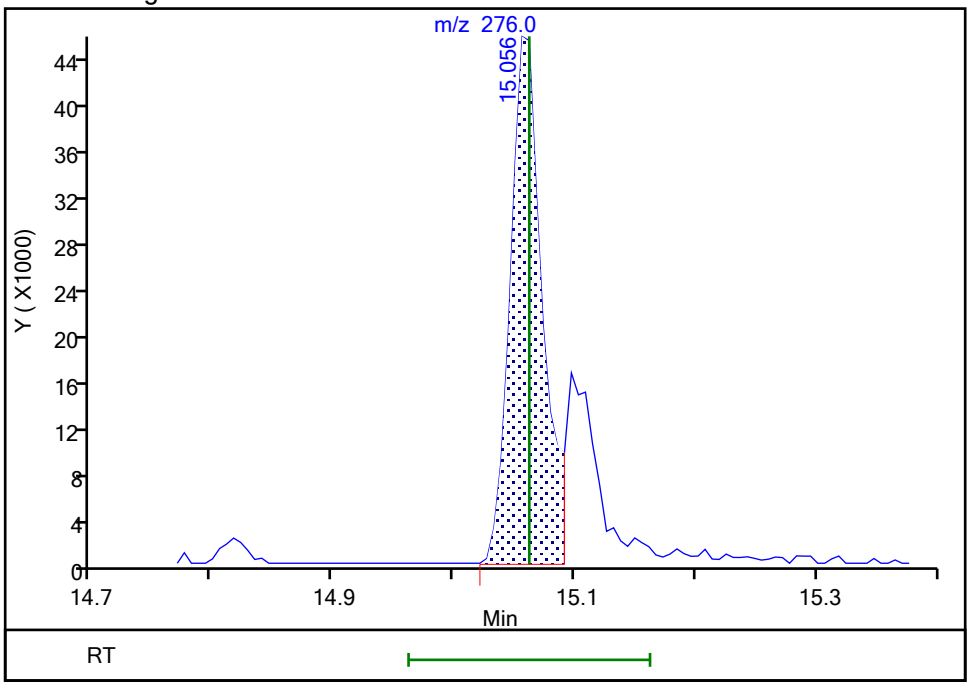
Processing Integration Results

RT: 15.06
Area: 108238
Amount: 1.408206
Amount Units: ug/ml



Manual Integration Results

RT: 15.06
Area: 83890
Amount: 1.148506
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 16:27:51

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

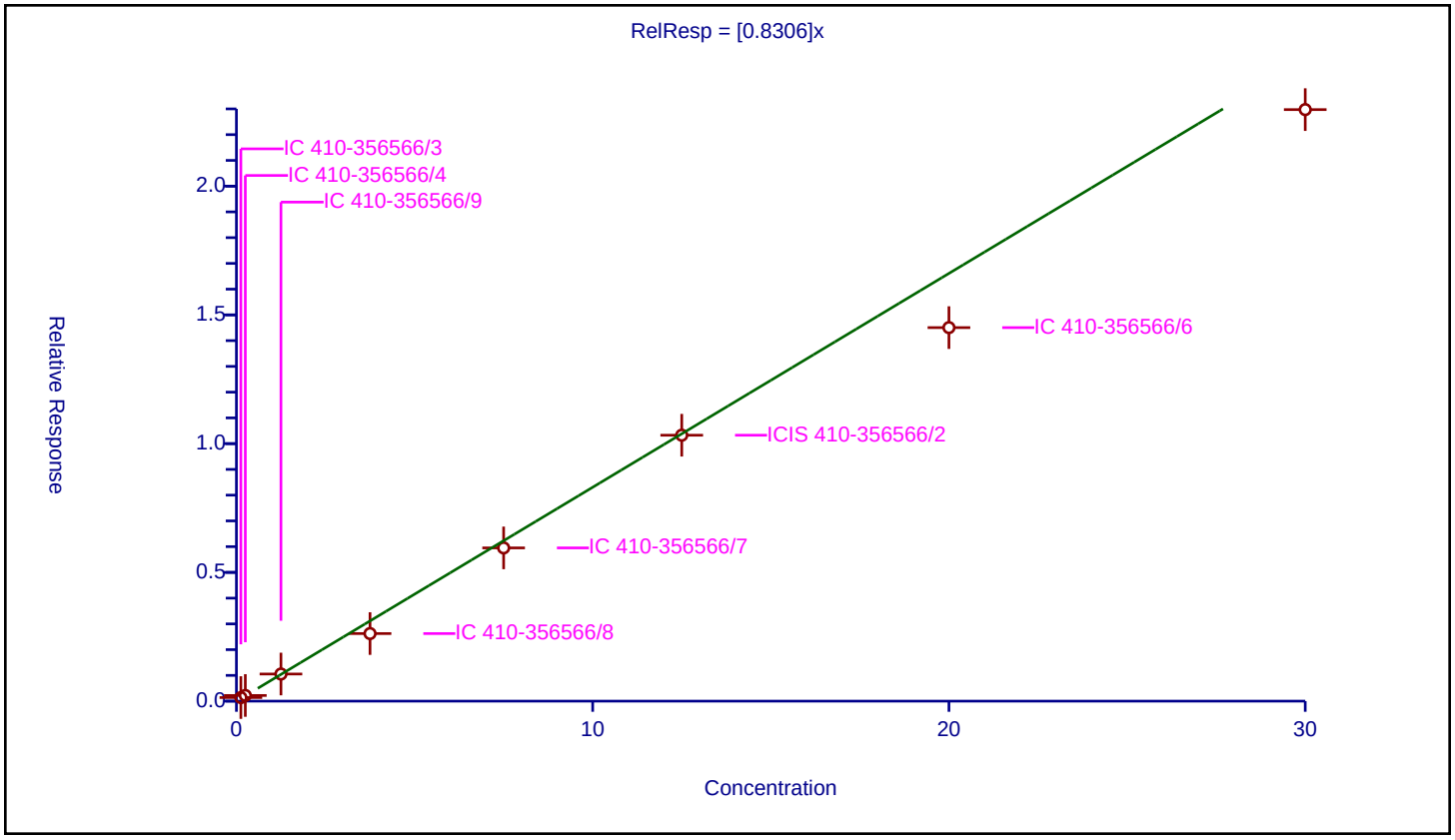
Curve Coefficients

Intercept:	0
Slope:	0.8306

Error Coefficients

Standard Error:	425000
Relative Standard Error:	15.4
Correlation Coefficient:	0.961
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.138913	5.0	136344.0	1.111307	Y
2	IC 410-356566/4	0.25	0.219853	5.0	166543.0	0.879413	Y
3	IC 410-356566/9	1.25	1.053935	5.0	129173.0	0.843148	Y
4	IC 410-356566/8	3.75	2.624583	5.0	194911.0	0.699889	Y
5	IC 410-356566/7	7.5	5.951226	5.0	178191.0	0.793497	Y
6	ICIS 410-356566/2	12.5	10.327426	5.0	192517.0	0.826194	Y
7	IC 410-356566/6	20.0	14.505592	5.0	147712.0	0.72528	Y
8	IC 410-356566/5	30.0	22.971754	5.0	202860.0	0.765725	Y



Calibration / N-Nitrosodimethylamine

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

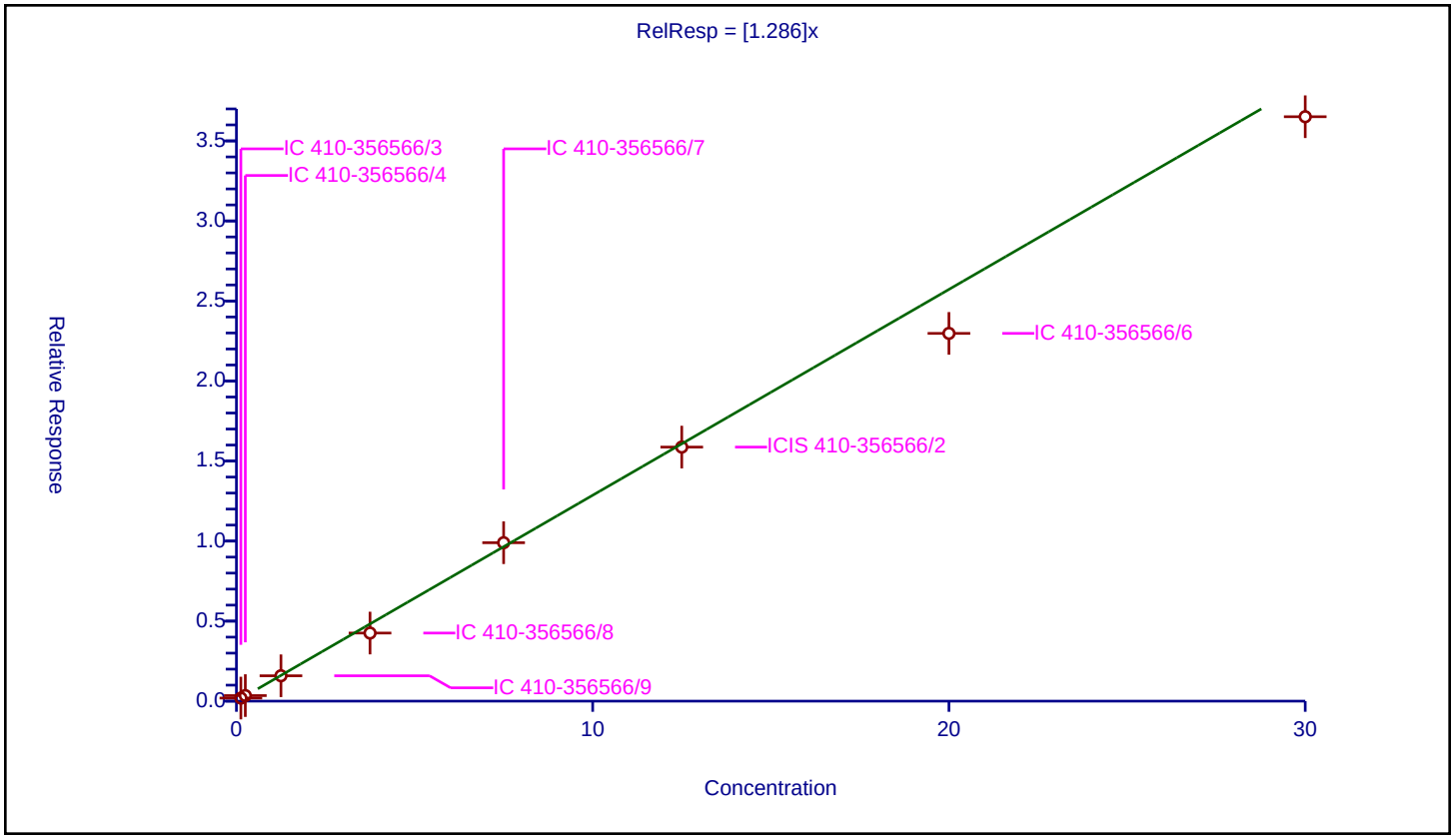
Curve Coefficients

Intercept:	0
Slope:	1.286

Error Coefficients

Standard Error:	674000
Relative Standard Error:	10.4
Correlation Coefficient:	0.962
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.192674	5.0	136344.0	1.541395	Y
2	IC 410-356566/4	0.25	0.347418	5.0	166543.0	1.389671	Y
3	IC 410-356566/9	1.25	1.585587	5.0	129173.0	1.268469	Y
4	IC 410-356566/8	3.75	4.253762	5.0	194911.0	1.134337	Y
5	IC 410-356566/7	7.5	9.897806	5.0	178191.0	1.319708	Y
6	ICIS 410-356566/2	12.5	15.870624	5.0	192517.0	1.26965	Y
7	IC 410-356566/6	20.0	22.974572	5.0	147712.0	1.148729	Y
8	IC 410-356566/5	30.0	36.511461	5.0	202860.0	1.217049	Y



Calibration / Pyridine

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

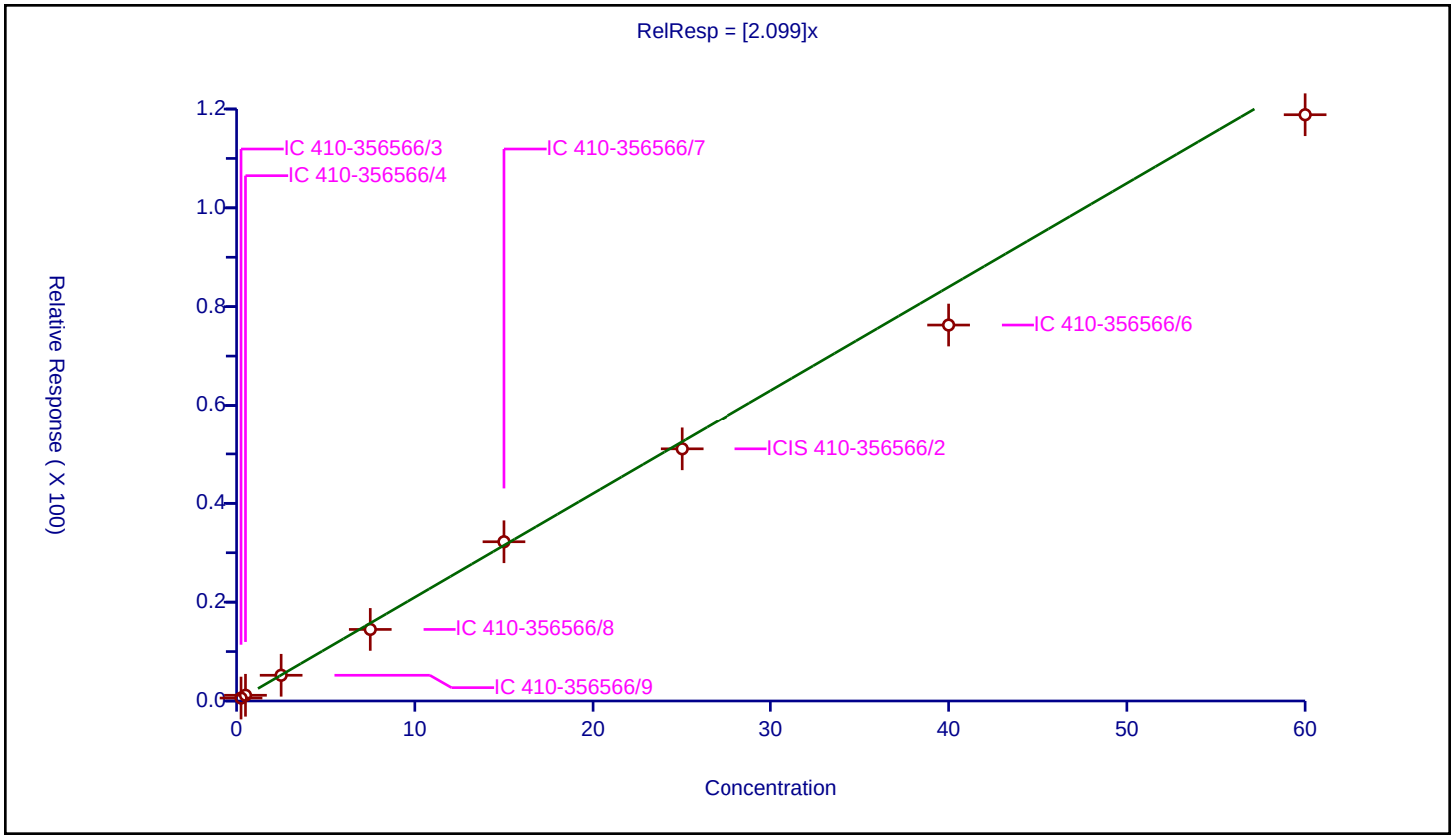
Curve Coefficients

Intercept:	0
Slope:	2.099

Error Coefficients

Standard Error:	2200000
Relative Standard Error:	8.4
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.25	0.596946	5.0	136344.0	2.387784	Y
2	IC 410-356566/4	0.5	1.15883	5.0	166543.0	2.31766	Y
3	IC 410-356566/9	2.5	5.205461	5.0	129173.0	2.082184	Y
4	IC 410-356566/8	7.5	14.480866	5.0	194911.0	1.930782	Y
5	IC 410-356566/7	15.0	32.225168	5.0	178191.0	2.148345	Y
6	ICIS 410-356566/2	25.0	51.032298	5.0	192517.0	2.041292	Y
7	IC 410-356566/6	40.0	76.282766	5.0	147712.0	1.907069	Y
8	IC 410-356566/5	60.0	118.842428	5.0	202860.0	1.980707	Y



Calibration / Dimethylformamide

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

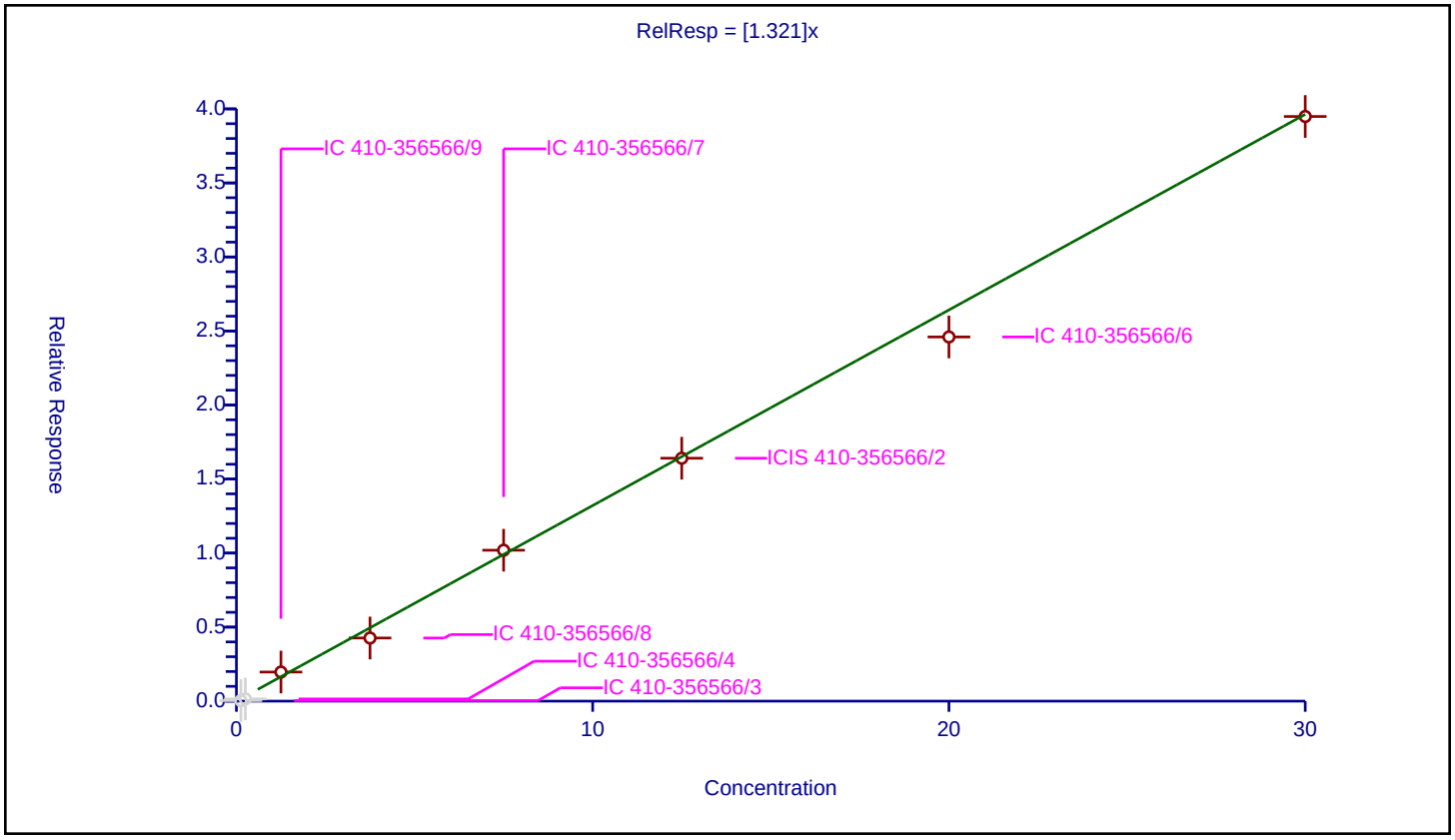
Curve Coefficients

Intercept:	0
Slope:	1.321

Error Coefficients

Standard Error:	855000
Relative Standard Error:	11.0
Correlation Coefficient:	0.950
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.039349	5.0	136344.0	0.314792	N
2	IC 410-356566/4	0.25	0.14804	5.0	166543.0	0.592159	N
3	IC 410-356566/9	1.25	1.964652	5.0	129173.0	1.571722	Y
4	IC 410-356566/8	3.75	4.26469	5.0	194911.0	1.137251	Y
5	IC 410-356566/7	7.5	10.192518	5.0	178191.0	1.359002	Y
6	ICIS 410-356566/2	12.5	16.406058	5.0	192517.0	1.312485	Y
7	IC 410-356566/6	20.0	24.595767	5.0	147712.0	1.229788	Y
8	IC 410-356566/5	30.0	39.487479	5.0	202860.0	1.316249	Y



Calibration / 2-Picoline

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

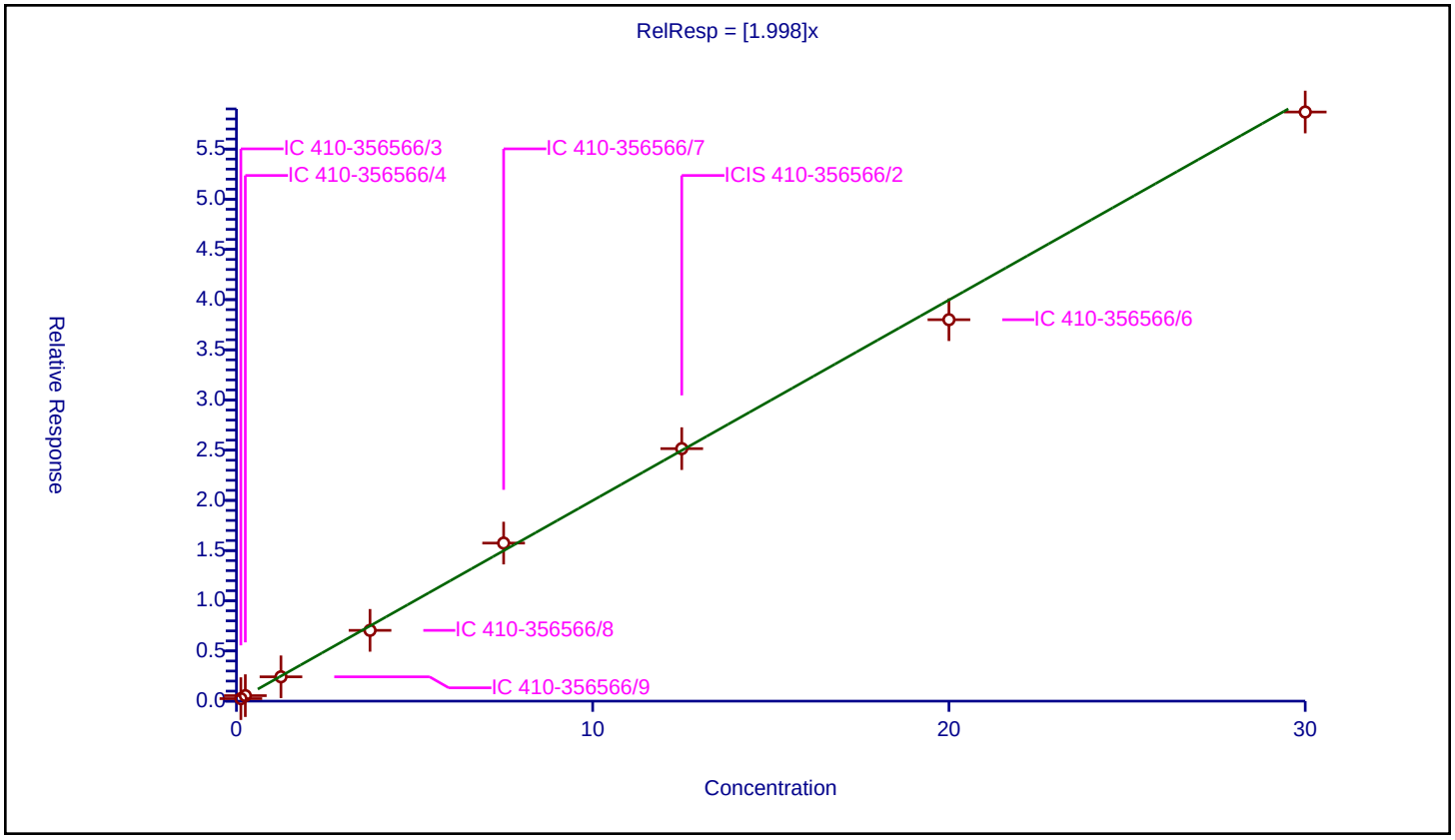
Curve Coefficients

Intercept:	0
Slope:	1.998

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	5.3
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.250506	5.0	136344.0	2.004049	Y
2	IC 410-356566/4	0.25	0.548897	5.0	166543.0	2.195589	Y
3	IC 410-356566/9	1.25	2.422759	5.0	129173.0	1.938207	Y
4	IC 410-356566/8	3.75	7.05009	5.0	194911.0	1.880024	Y
5	IC 410-356566/7	7.5	15.745604	5.0	178191.0	2.099414	Y
6	ICIS 410-356566/2	12.5	25.15435	5.0	192517.0	2.012348	Y
7	IC 410-356566/6	20.0	37.998368	5.0	147712.0	1.899918	Y
8	IC 410-356566/5	30.0	58.690698	5.0	202860.0	1.956357	Y



Calibration / N-Nitrosomethylethylamine

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

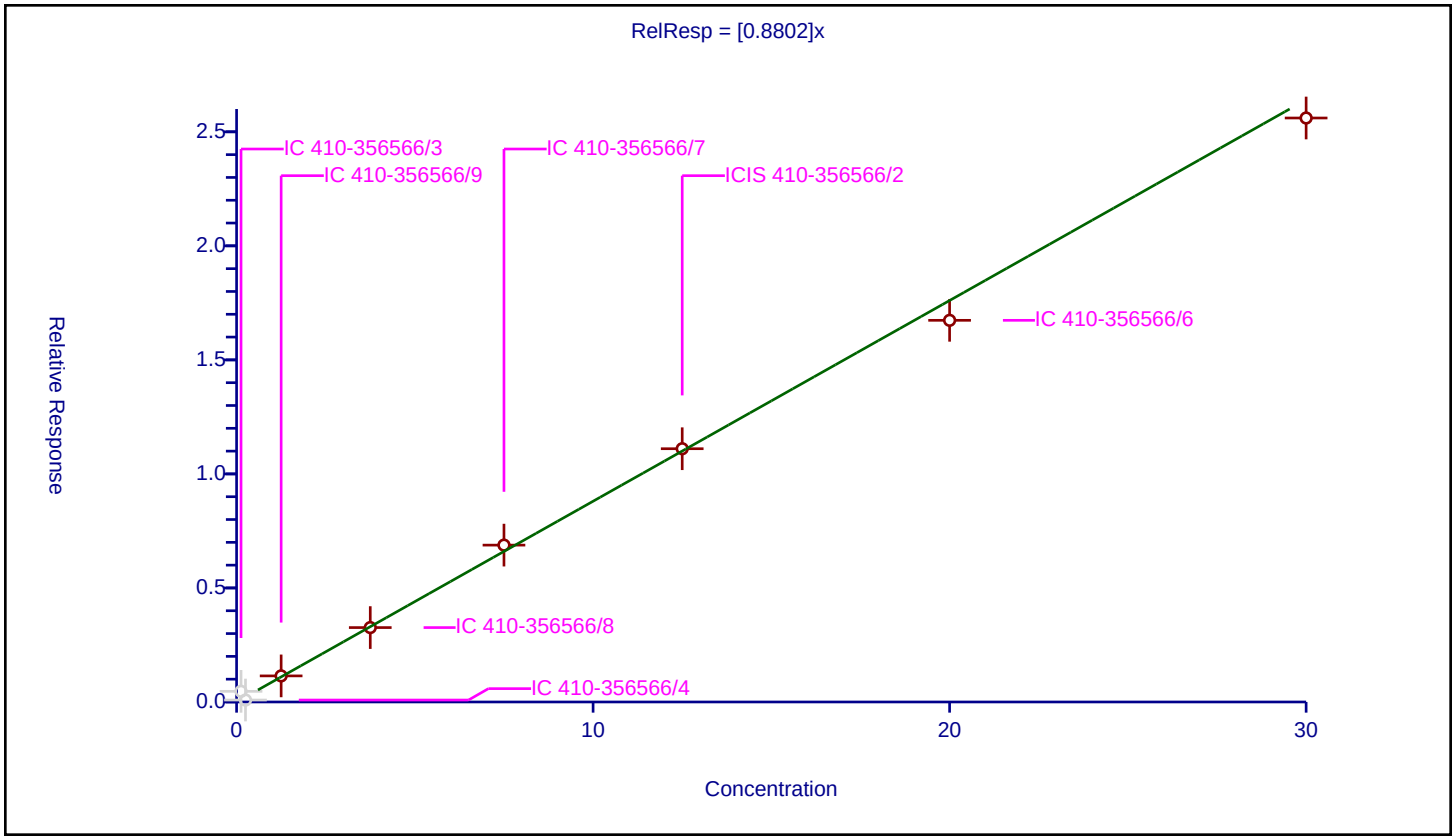
Curve Coefficients

Intercept:	0
Slope:	0.8802

Error Coefficients

Standard Error:	563000
Relative Standard Error:	3.7
Correlation Coefficient:	0.957
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.466614	5.0	136344.0	3.732911	N
2	IC 410-356566/4	0.25	0.085624	5.0	166543.0	0.342494	N
3	IC 410-356566/9	1.25	1.144202	5.0	129173.0	0.915362	Y
4	IC 410-356566/8	3.75	3.26272	5.0	194911.0	0.870059	Y
5	IC 410-356566/7	7.5	6.878378	5.0	178191.0	0.917117	Y
6	ICIS 410-356566/2	12.5	11.105383	5.0	192517.0	0.888431	Y
7	IC 410-356566/6	20.0	16.734422	5.0	147712.0	0.836721	Y
8	IC 410-356566/5	30.0	25.605442	5.0	202860.0	0.853515	Y



Calibration / Methyl methanesulfonate

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

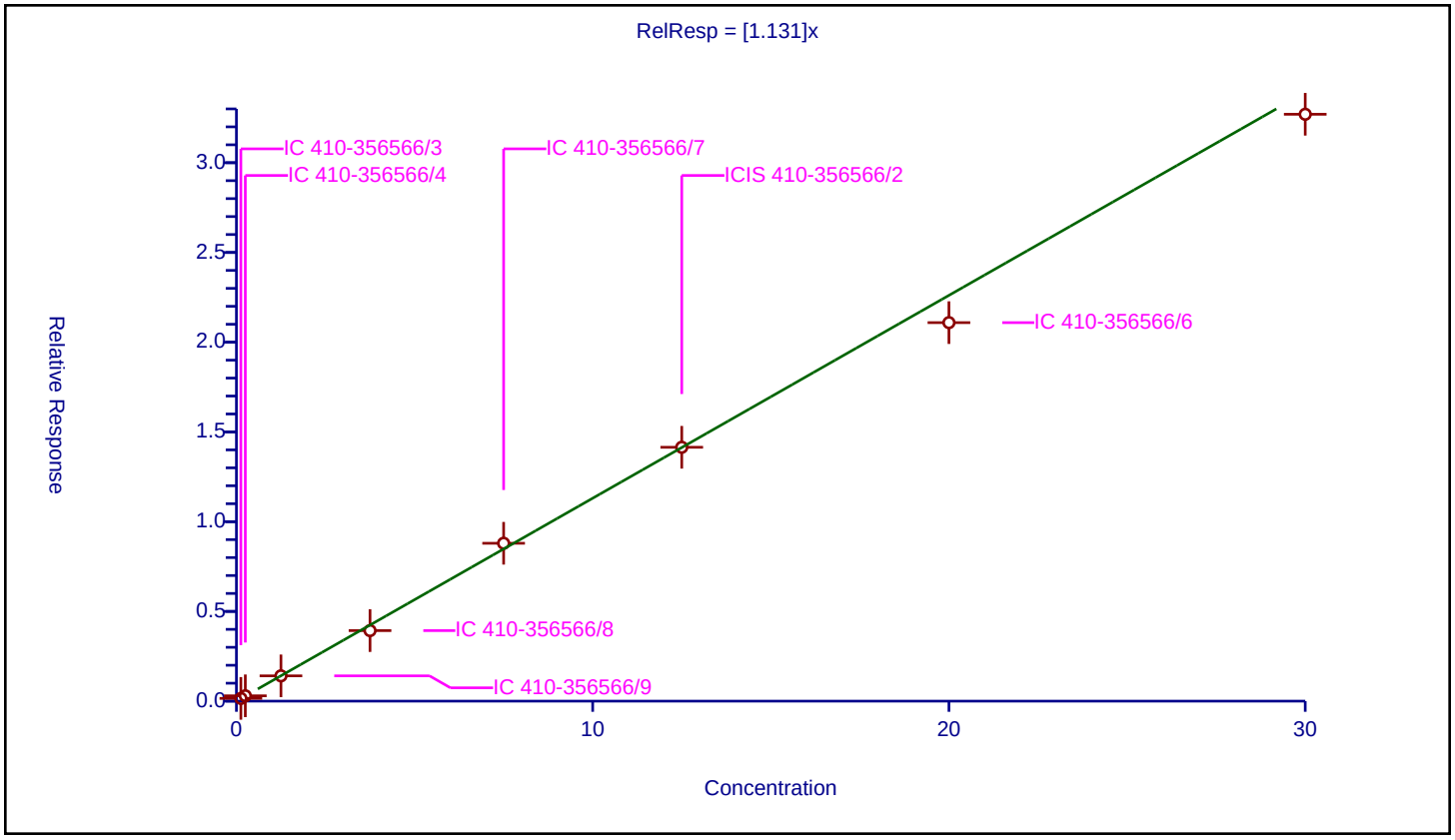
Curve Coefficients

Intercept:	0
Slope:	1.131

Error Coefficients

Standard Error:	606000
Relative Standard Error:	5.7
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.153399	5.0	136344.0	1.22719	Y
2	IC 410-356566/4	0.25	0.298091	5.0	166543.0	1.192365	Y
3	IC 410-356566/9	1.25	1.409582	5.0	129173.0	1.127666	Y
4	IC 410-356566/8	3.75	3.93023	5.0	194911.0	1.048061	Y
5	IC 410-356566/7	7.5	8.796236	5.0	178191.0	1.172831	Y
6	ICIS 410-356566/2	12.5	14.145218	5.0	192517.0	1.131617	Y
7	IC 410-356566/6	20.0	21.091042	5.0	147712.0	1.054552	Y
8	IC 410-356566/5	30.0	32.699694	5.0	202860.0	1.08999	Y



Calibration / 2-Fluorophenol

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

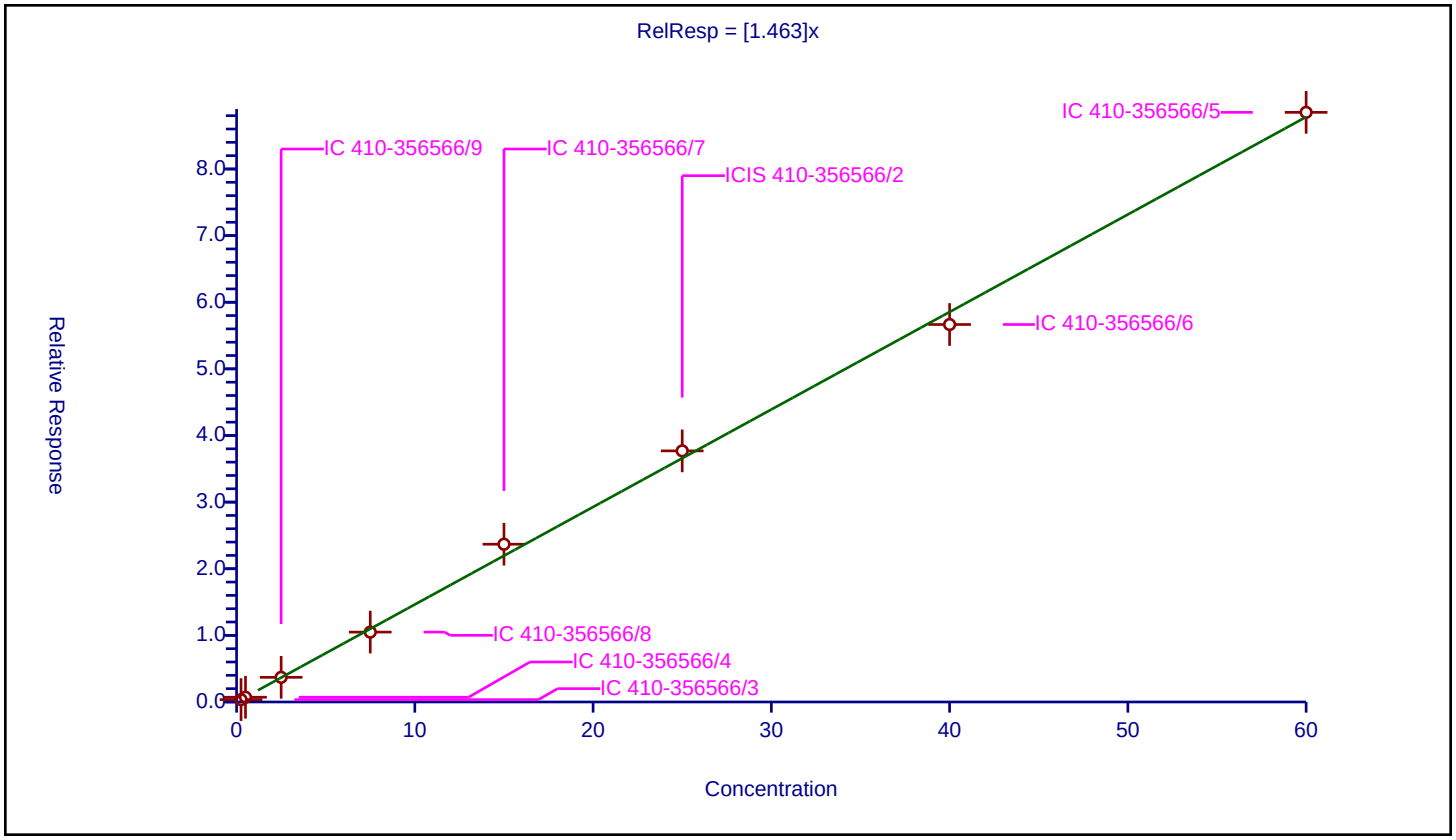
Curve Coefficients

Intercept:	0
Slope:	1.463

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	4.1
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.25	0.355645	5.0	136344.0	1.422578	Y
2	IC 410-356566/4	0.5	0.71426	5.0	166543.0	1.42852	Y
3	IC 410-356566/9	2.5	3.700541	5.0	129173.0	1.480216	Y
4	IC 410-356566/8	7.5	10.488402	5.0	194911.0	1.398454	Y
5	IC 410-356566/7	15.0	23.678469	5.0	178191.0	1.578565	Y
6	ICIS 410-356566/2	25.0	37.690256	5.0	192517.0	1.50761	Y
7	IC 410-356566/6	40.0	56.657618	5.0	147712.0	1.41644	Y
8	IC 410-356566/5	60.0	88.500838	5.0	202860.0	1.475014	Y



Calibration / N-Nitrosodiethylamine

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

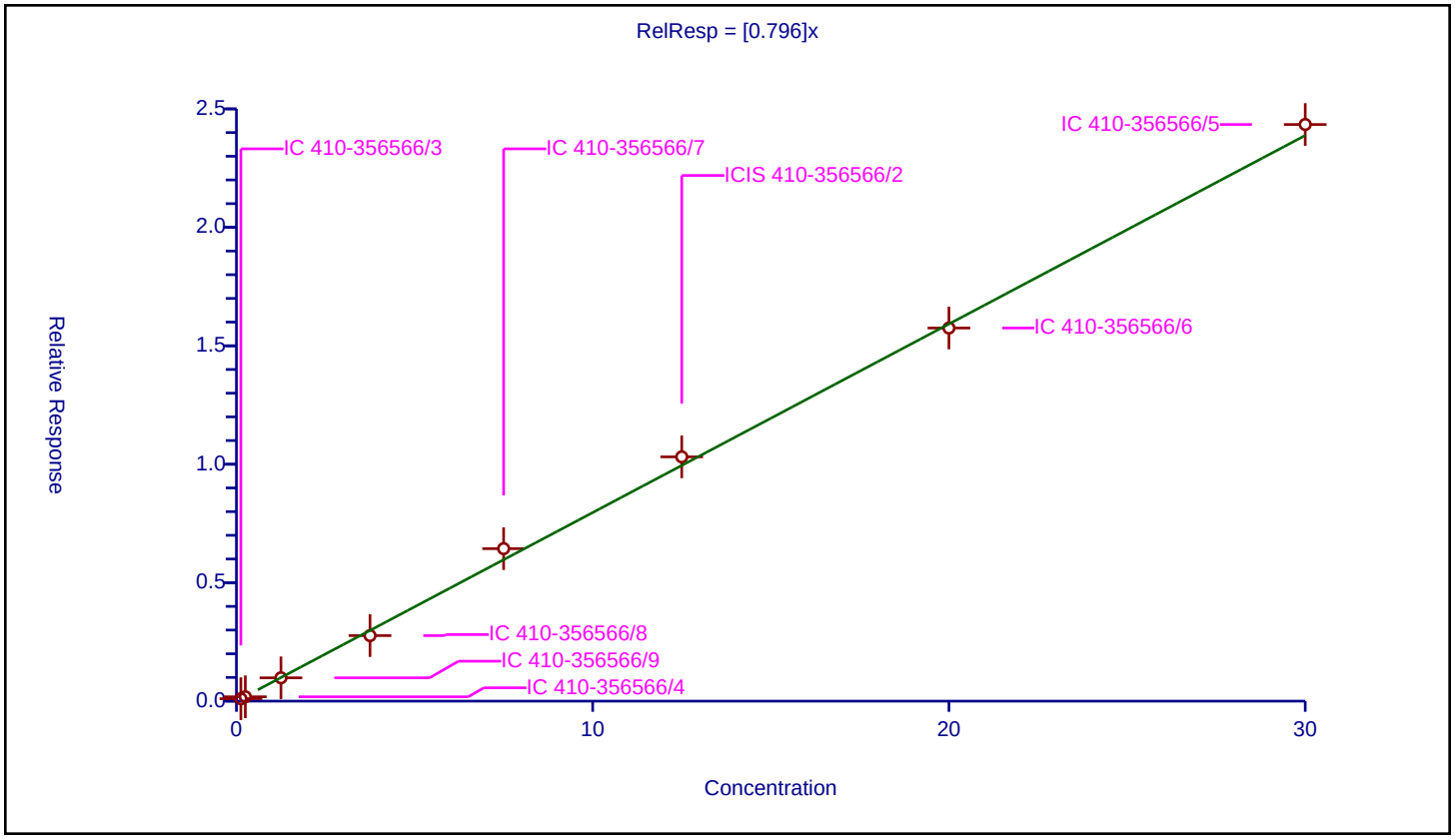
Curve Coefficients

Intercept:	0
Slope:	0.796

Error Coefficients

Standard Error:	449000
Relative Standard Error:	5.4
Correlation Coefficient:	0.968
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.103195	5.0	136344.0	0.825559	Y
2	IC 410-356566/4	0.25	0.183706	5.0	166543.0	0.734825	Y
3	IC 410-356566/9	1.25	0.984648	5.0	129173.0	0.787719	Y
4	IC 410-356566/8	3.75	2.766263	5.0	194911.0	0.73767	Y
5	IC 410-356566/7	7.5	6.436941	5.0	178191.0	0.858259	Y
6	ICIS 410-356566/2	12.5	10.311479	5.0	192517.0	0.824918	Y
7	IC 410-356566/6	20.0	15.750311	5.0	147712.0	0.787516	Y
8	IC 410-356566/5	30.0	24.341294	5.0	202860.0	0.811376	Y



Calibration / Ethyl methanesulfonate

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

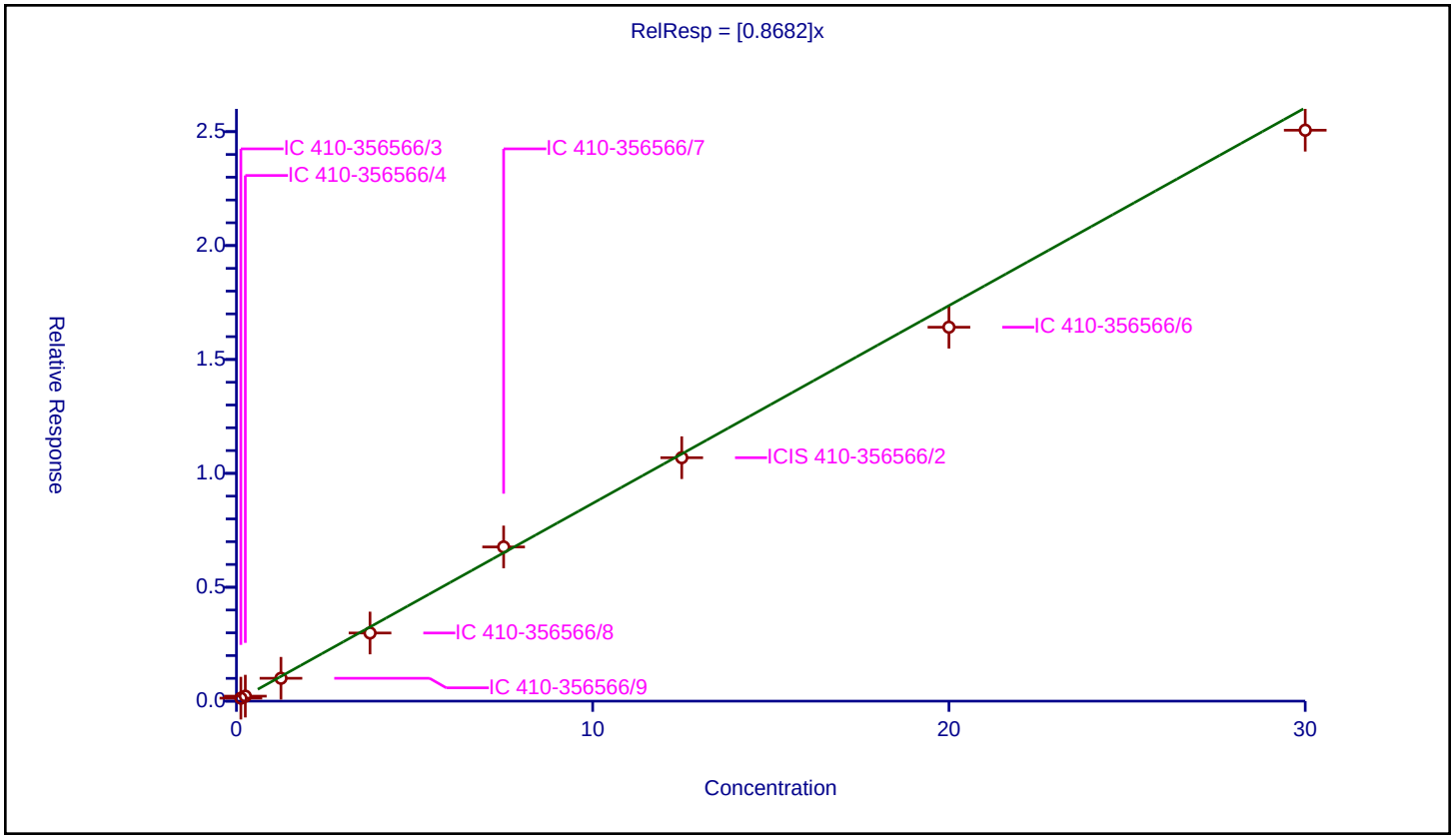
Curve Coefficients

Intercept:	0
Slope:	0.8682

Error Coefficients

Standard Error:	465000
Relative Standard Error:	9.6
Correlation Coefficient:	0.969
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.131946	5.0	136344.0	1.055565	Y
2	IC 410-356566/4	0.25	0.218862	5.0	166543.0	0.87545	Y
3	IC 410-356566/9	1.25	1.004235	5.0	129173.0	0.803388	Y
4	IC 410-356566/8	3.75	2.991647	5.0	194911.0	0.797773	Y
5	IC 410-356566/7	7.5	6.769506	5.0	178191.0	0.902601	Y
6	ICIS 410-356566/2	12.5	10.687108	5.0	192517.0	0.854969	Y
7	IC 410-356566/6	20.0	16.41522	5.0	147712.0	0.820761	Y
8	IC 410-356566/5	30.0	25.064133	5.0	202860.0	0.835471	Y



Calibration / Benzaldehyde

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

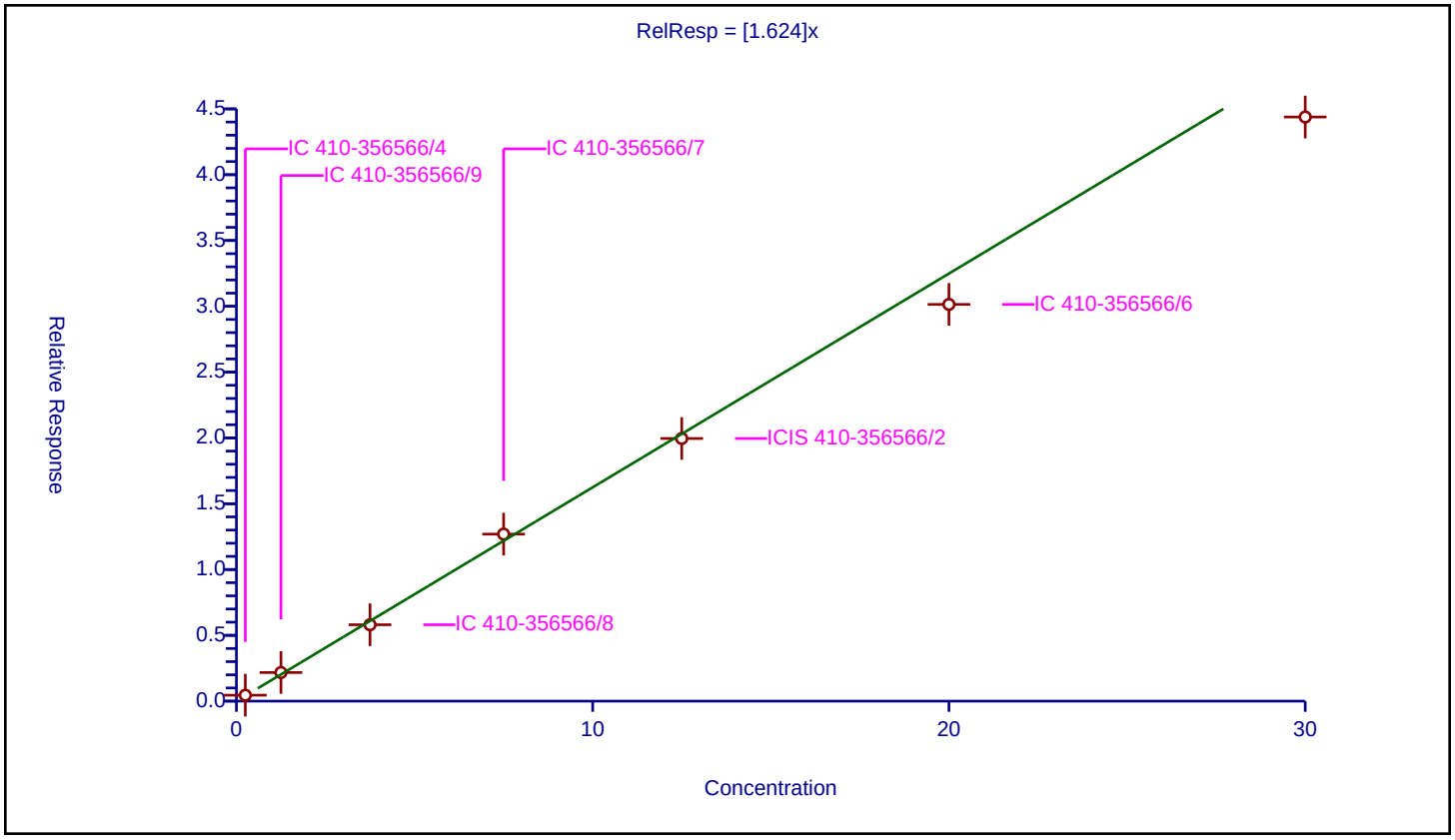
Curve Coefficients

Intercept:	0
Slope:	1.624

Error Coefficients

Standard Error:	902000
Relative Standard Error:	7.7
Correlation Coefficient:	0.969
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/4	0.25	0.452075	5.0	166543.0	1.808302	Y
2	IC 410-356566/9	1.25	2.174448	5.0	129173.0	1.739559	Y
3	IC 410-356566/8	3.75	5.804136	5.0	194911.0	1.54777	Y
4	IC 410-356566/7	7.5	12.69054	5.0	178191.0	1.692072	Y
5	ICIS 410-356566/2	12.5	19.956238	5.0	192517.0	1.596499	Y
6	IC 410-356566/6	20.0	30.144775	5.0	147712.0	1.507239	Y
7	IC 410-356566/5	30.0	44.381815	5.0	202860.0	1.479394	Y



Calibration / Phenol-d5

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

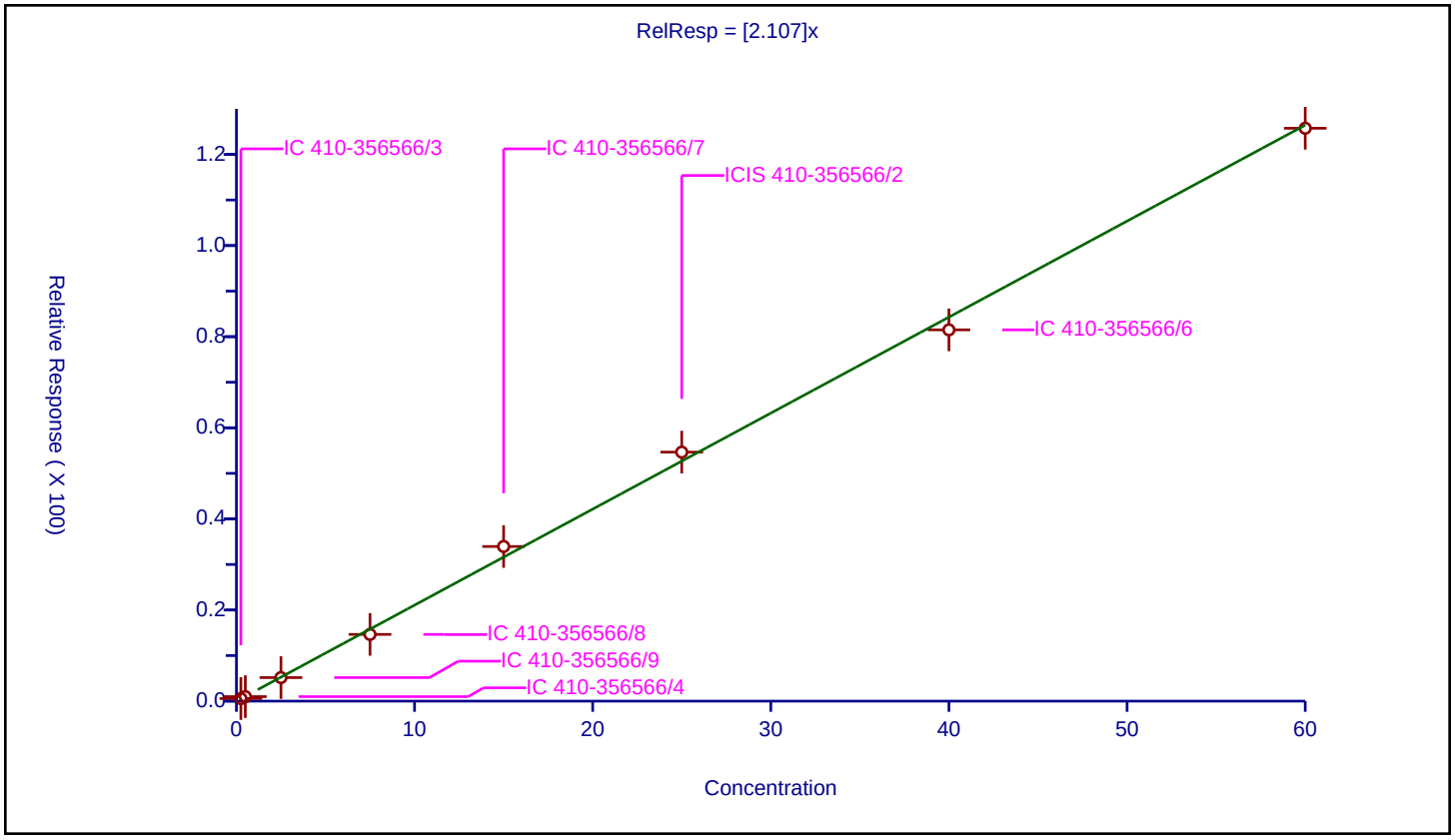
Curve Coefficients

Intercept:	0
Slope:	2.107

Error Coefficients

Standard Error:	2330000
Relative Standard Error:	5.7
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.25	0.567168	5.0	136344.0	2.268673	Y
2	IC 410-356566/4	0.5	0.993107	5.0	166543.0	1.986214	Y
3	IC 410-356566/9	2.5	5.16865	5.0	129173.0	2.06746	Y
4	IC 410-356566/8	7.5	14.65043	5.0	194911.0	1.953391	Y
5	IC 410-356566/7	15.0	33.948291	5.0	178191.0	2.263219	Y
6	ICIS 410-356566/2	25.0	54.656784	5.0	192517.0	2.186271	Y
7	IC 410-356566/6	40.0	81.502214	5.0	147712.0	2.037555	Y
8	IC 410-356566/5	60.0	125.752021	5.0	202860.0	2.095867	Y



Calibration / Phenol

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

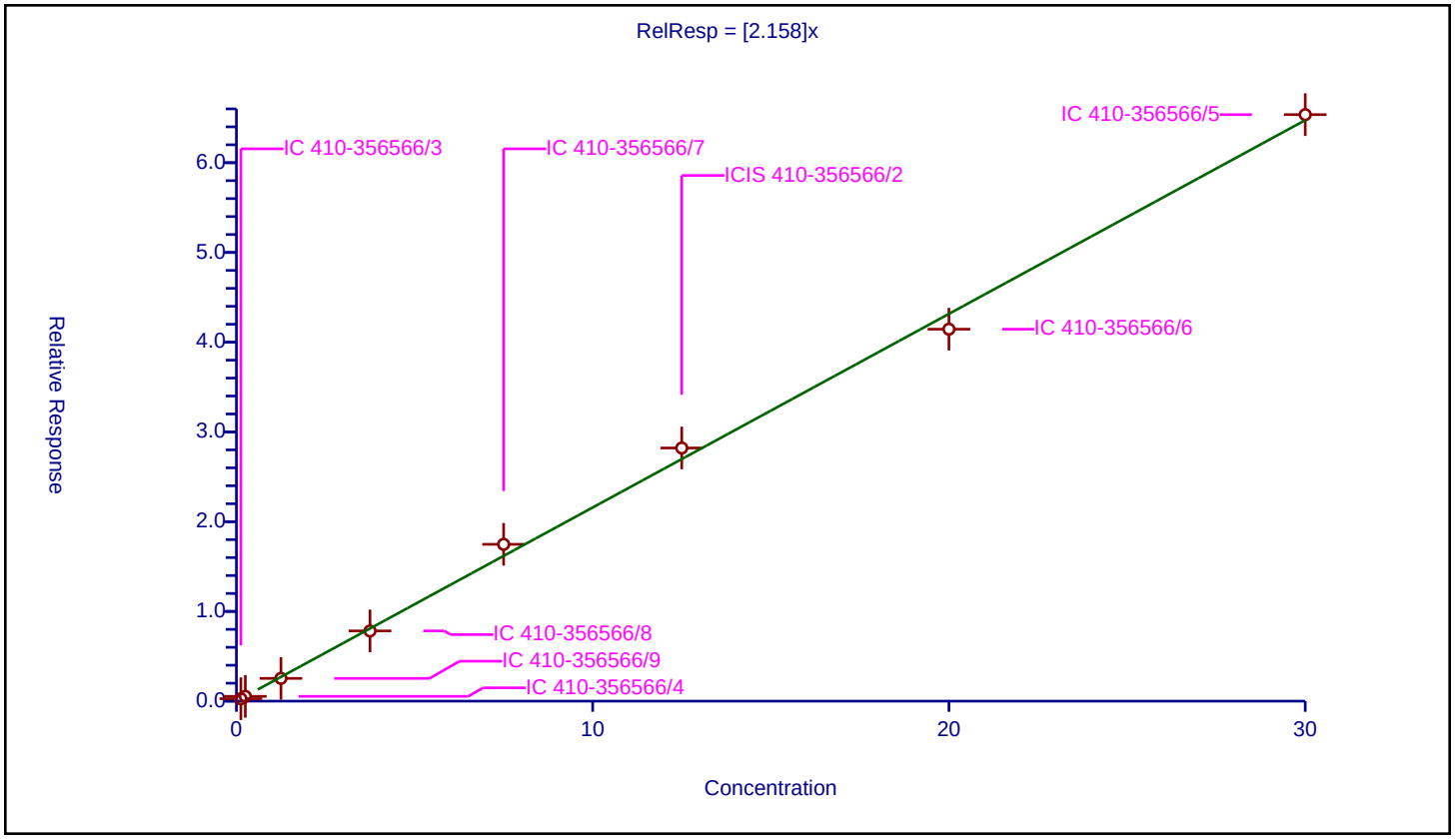
Curve Coefficients

Intercept:	0
Slope:	2.158

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	4.6
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.271152	5.0	136344.0	2.169219	Y
2	IC 410-356566/4	0.25	0.535447	5.0	166543.0	2.141789	Y
3	IC 410-356566/9	1.25	2.535011	5.0	129173.0	2.028009	Y
4	IC 410-356566/8	3.75	7.824571	5.0	194911.0	2.086552	Y
5	IC 410-356566/7	7.5	17.476696	5.0	178191.0	2.330226	Y
6	ICIS 410-356566/2	12.5	28.209067	5.0	192517.0	2.256725	Y
7	IC 410-356566/6	20.0	41.451913	5.0	147712.0	2.072596	Y
8	IC 410-356566/5	30.0	65.357562	5.0	202860.0	2.178585	Y



Calibration / Aniline

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

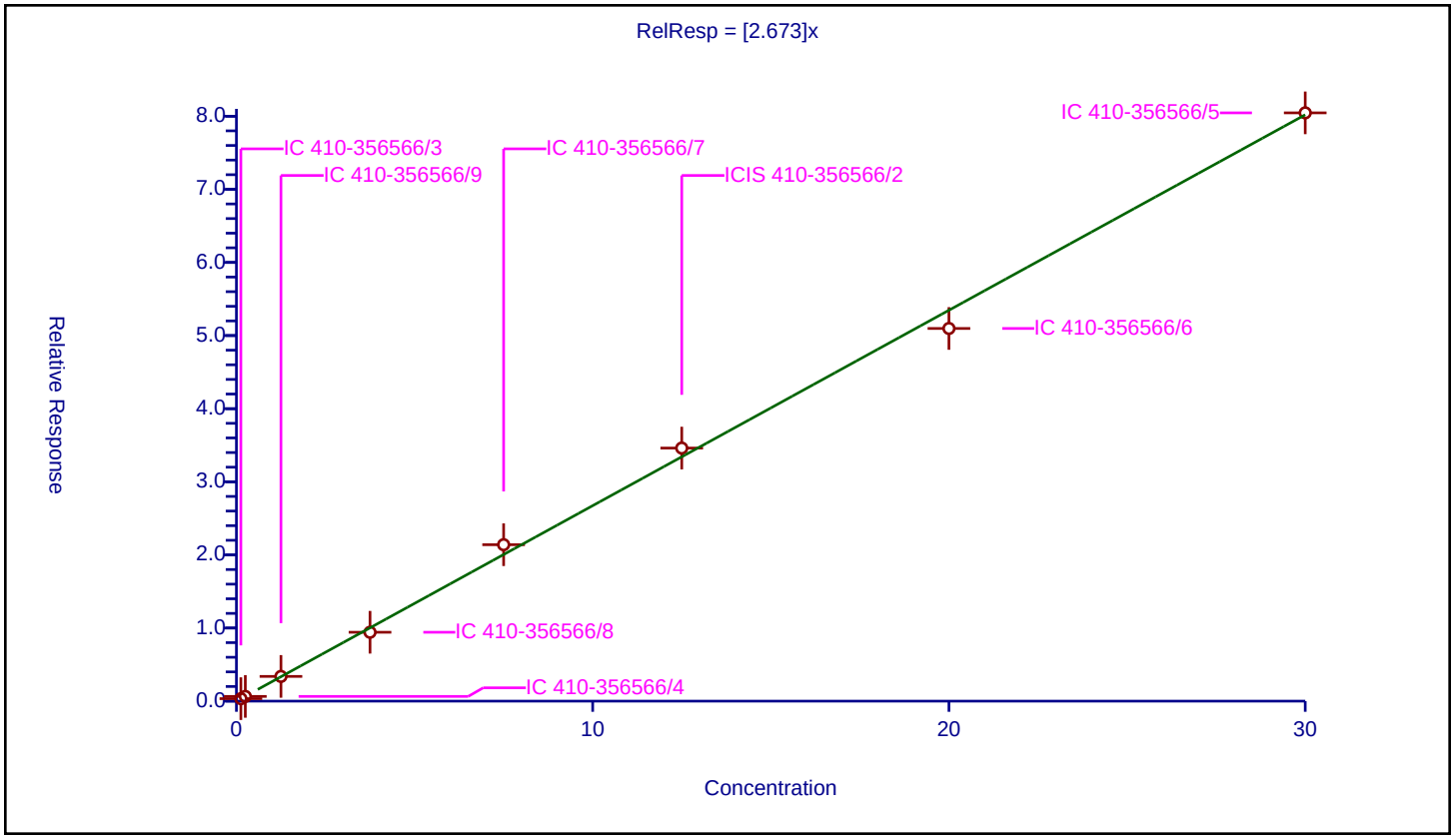
Curve Coefficients

Intercept:	0
Slope:	2.673

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	4.3
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.340866	5.0	136344.0	2.726926	Y
2	IC 410-356566/4	0.25	0.64728	5.0	166543.0	2.589121	Y
3	IC 410-356566/9	1.25	3.381666	5.0	129173.0	2.705333	Y
4	IC 410-356566/8	3.75	9.421146	5.0	194911.0	2.512306	Y
5	IC 410-356566/7	7.5	21.395525	5.0	178191.0	2.852737	Y
6	ICIS 410-356566/2	12.5	34.610554	5.0	192517.0	2.768844	Y
7	IC 410-356566/6	20.0	50.968337	5.0	147712.0	2.548417	Y
8	IC 410-356566/5	30.0	80.456325	5.0	202860.0	2.681877	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

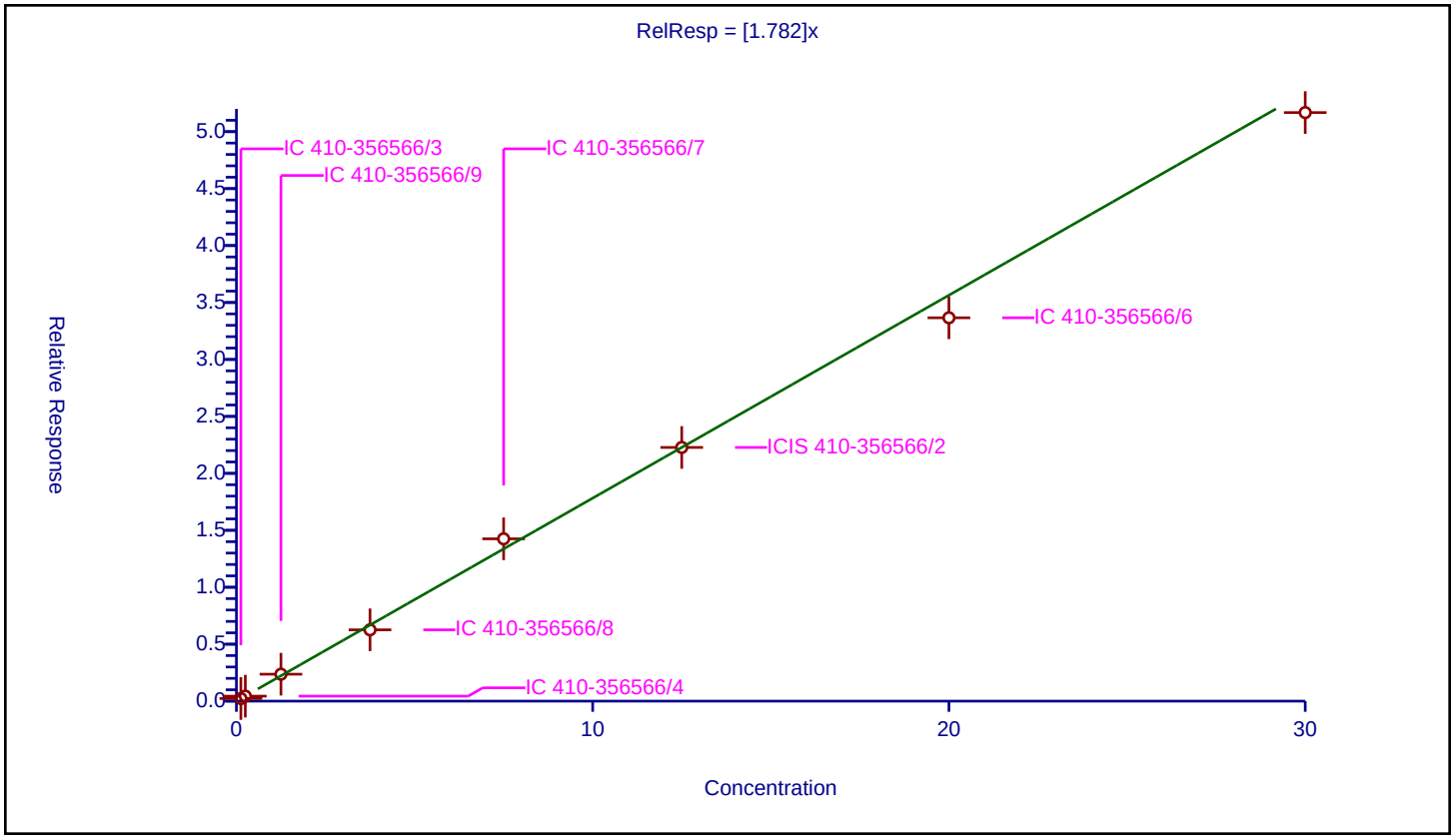
Curve Coefficients

Intercept:	0
Slope:	1.782

Error Coefficients

Standard Error:	959000
Relative Standard Error:	5.1
Correlation Coefficient:	0.968
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.231033	5.0	136344.0	1.848266	Y
2	IC 410-356566/4	0.25	0.439556	5.0	166543.0	1.758225	Y
3	IC 410-356566/9	1.25	2.366361	5.0	129173.0	1.893089	Y
4	IC 410-356566/8	3.75	6.261448	5.0	194911.0	1.669719	Y
5	IC 410-356566/7	7.5	14.253049	5.0	178191.0	1.900406	Y
6	ICIS 410-356566/2	12.5	22.276474	5.0	192517.0	1.782118	Y
7	IC 410-356566/6	20.0	33.660231	5.0	147712.0	1.683012	Y
8	IC 410-356566/5	30.0	51.677783	5.0	202860.0	1.722593	Y



Calibration / 2-Chlorophenol

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

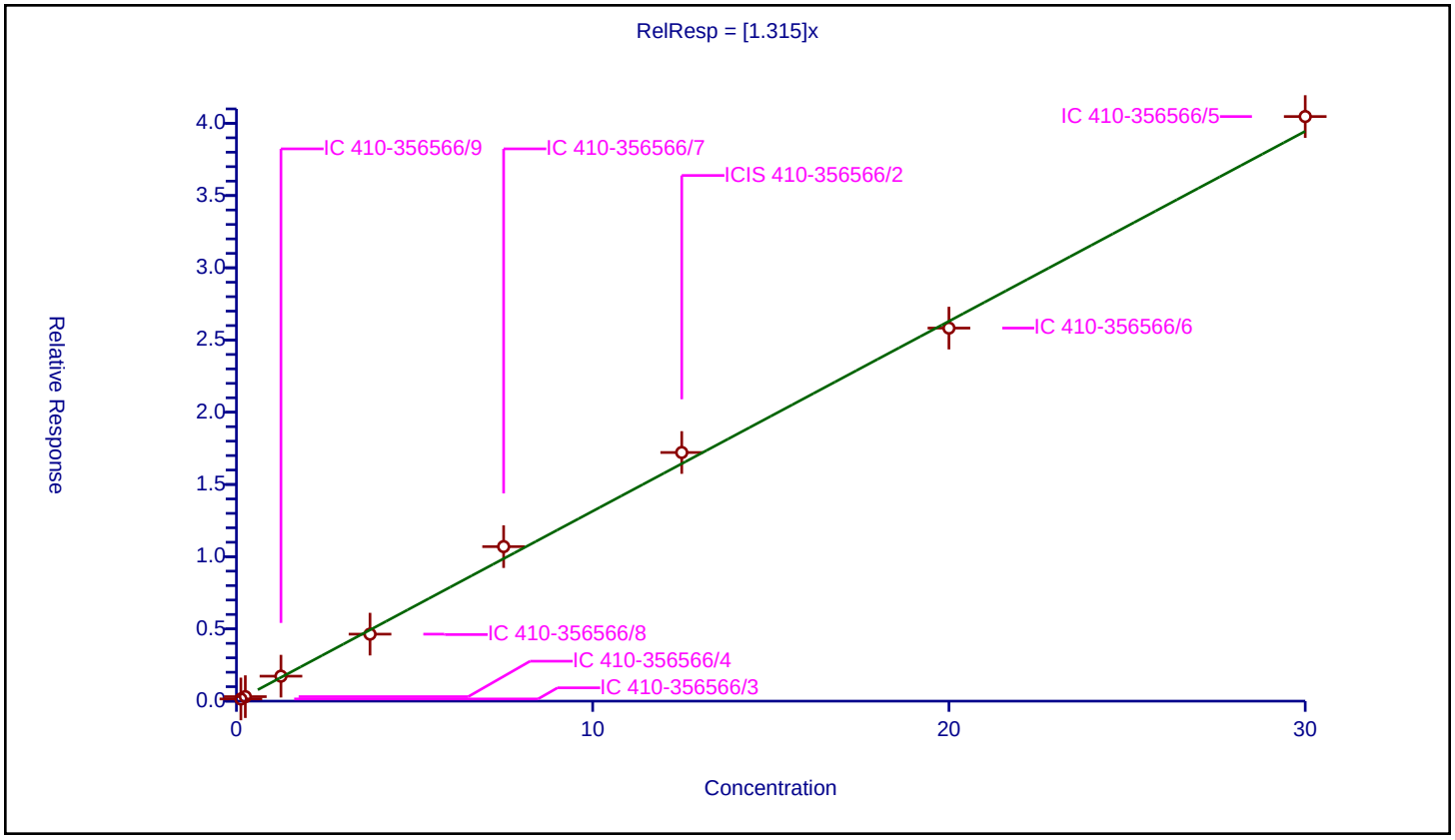
Curve Coefficients

Intercept:	0
Slope:	1.315

Error Coefficients

Standard Error:	746000
Relative Standard Error:	6.0
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.151492	5.0	136344.0	1.211935	Y
2	IC 410-356566/4	0.25	0.311241	5.0	166543.0	1.244964	Y
3	IC 410-356566/9	1.25	1.728883	5.0	129173.0	1.383106	Y
4	IC 410-356566/8	3.75	4.637963	5.0	194911.0	1.23679	Y
5	IC 410-356566/7	7.5	10.697734	5.0	178191.0	1.426365	Y
6	ICIS 410-356566/2	12.5	17.21274	5.0	192517.0	1.377019	Y
7	IC 410-356566/6	20.0	25.824645	5.0	147712.0	1.291232	Y
8	IC 410-356566/5	30.0	40.470103	5.0	202860.0	1.349003	Y



Calibration / 1,3-Dichlorobenzene

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

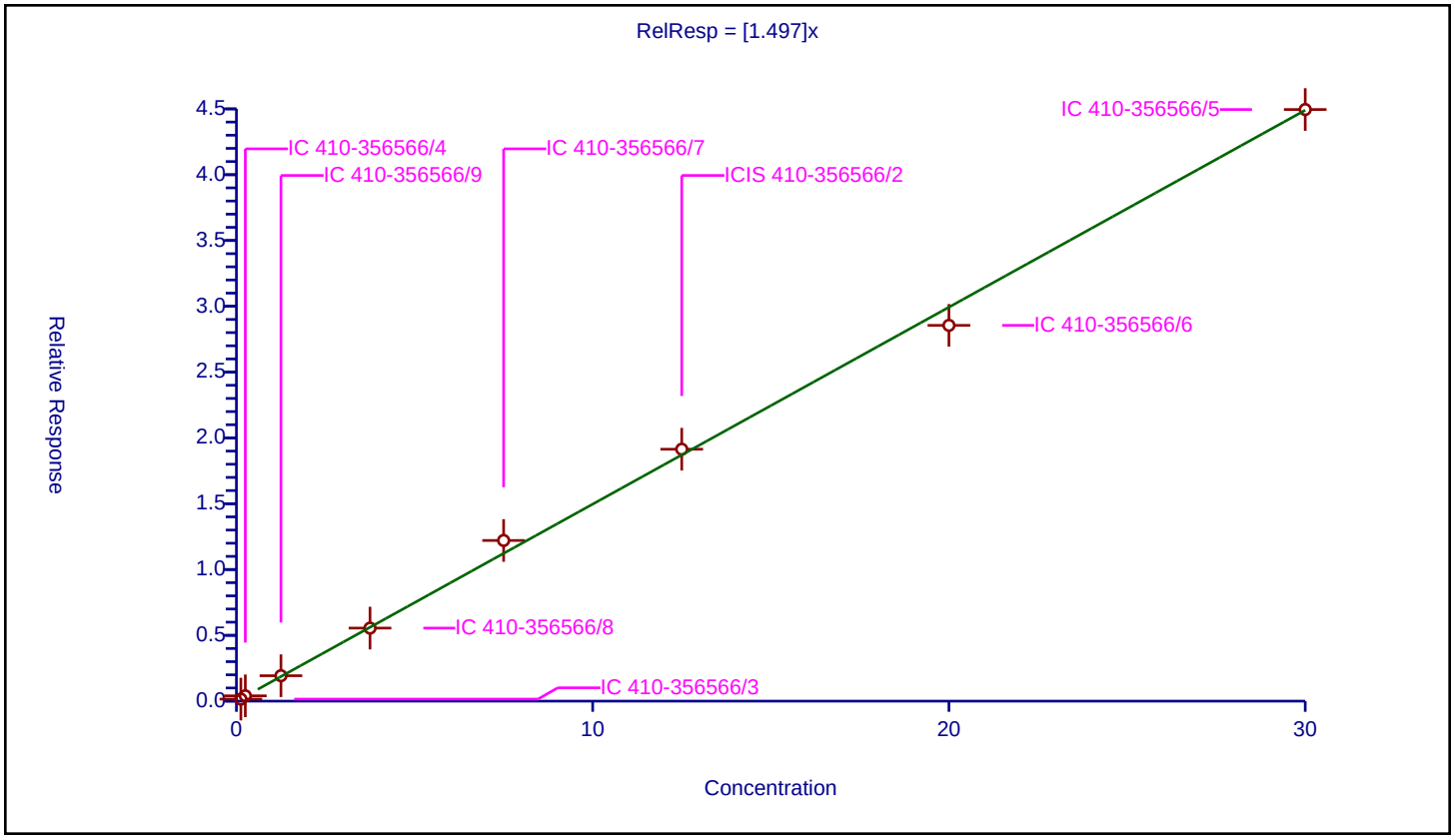
Curve Coefficients

Intercept:	0
Slope:	1.497

Error Coefficients

Standard Error:	830000
Relative Standard Error:	8.1
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.155636	5.0	136344.0	1.245086	Y
2	IC 410-356566/4	0.25	0.40458	5.0	166543.0	1.618321	Y
3	IC 410-356566/9	1.25	1.93175	5.0	129173.0	1.5454	Y
4	IC 410-356566/8	3.75	5.549122	5.0	194911.0	1.479766	Y
5	IC 410-356566/7	7.5	12.208024	5.0	178191.0	1.627737	Y
6	ICIS 410-356566/2	12.5	19.141245	5.0	192517.0	1.5313	Y
7	IC 410-356566/6	20.0	28.55181	5.0	147712.0	1.427591	Y
8	IC 410-356566/5	30.0	44.951099	5.0	202860.0	1.49837	Y



Calibration / 1,4-Dichlorobenzene

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

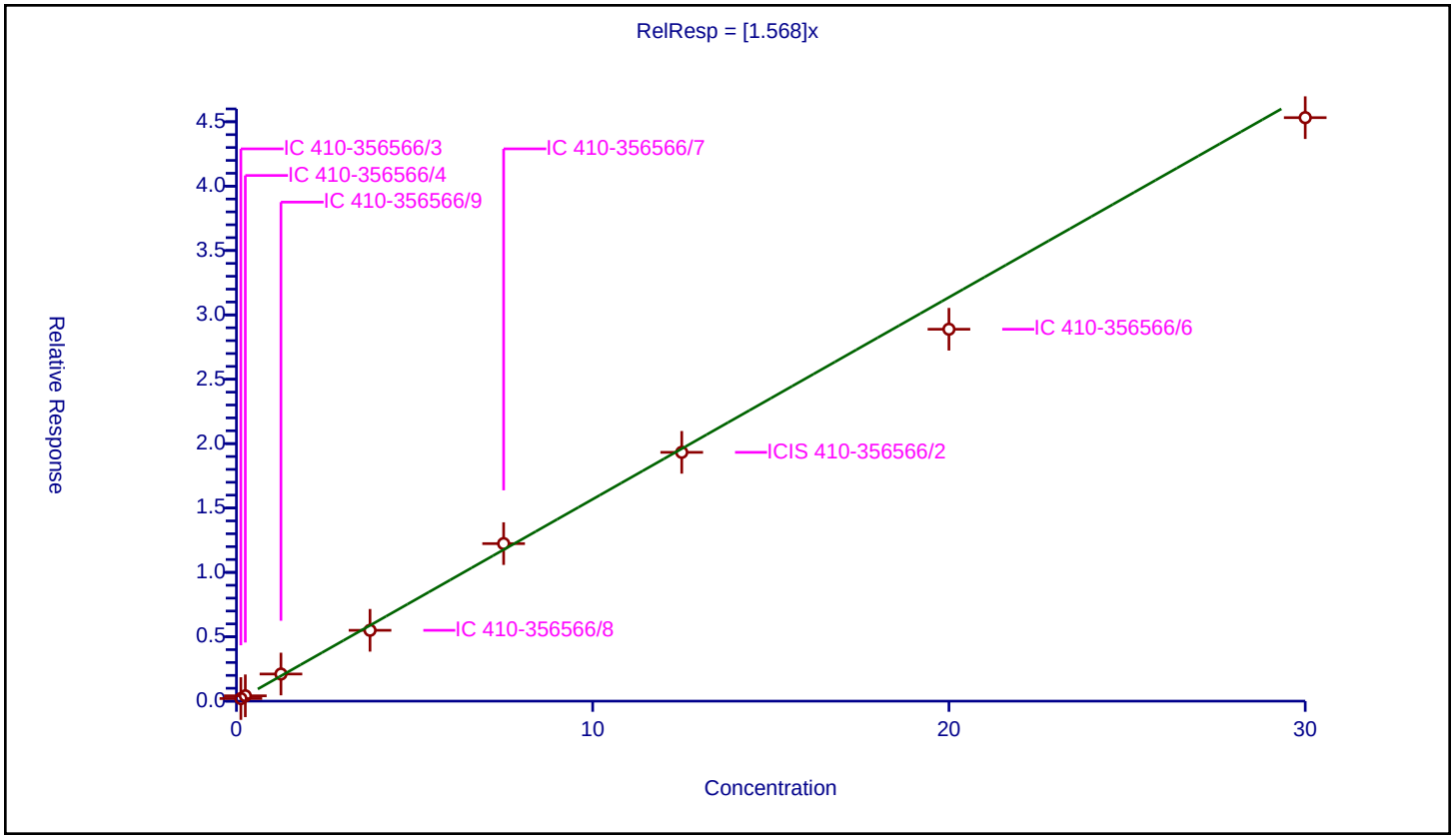
Curve Coefficients

Intercept:	0
Slope:	1.568

Error Coefficients

Standard Error:	837000
Relative Standard Error:	5.7
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.200742	5.0	136344.0	1.605938	Y
2	IC 410-356566/4	0.25	0.414007	5.0	166543.0	1.656029	Y
3	IC 410-356566/9	1.25	2.106555	5.0	129173.0	1.685244	Y
4	IC 410-356566/8	3.75	5.501408	5.0	194911.0	1.467042	Y
5	IC 410-356566/7	7.5	12.234625	5.0	178191.0	1.631283	Y
6	ICIS 410-356566/2	12.5	19.324164	5.0	192517.0	1.545933	Y
7	IC 410-356566/6	20.0	28.885365	5.0	147712.0	1.444268	Y
8	IC 410-356566/5	30.0	45.318767	5.0	202860.0	1.510626	Y



Calibration / Benzyl alcohol

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

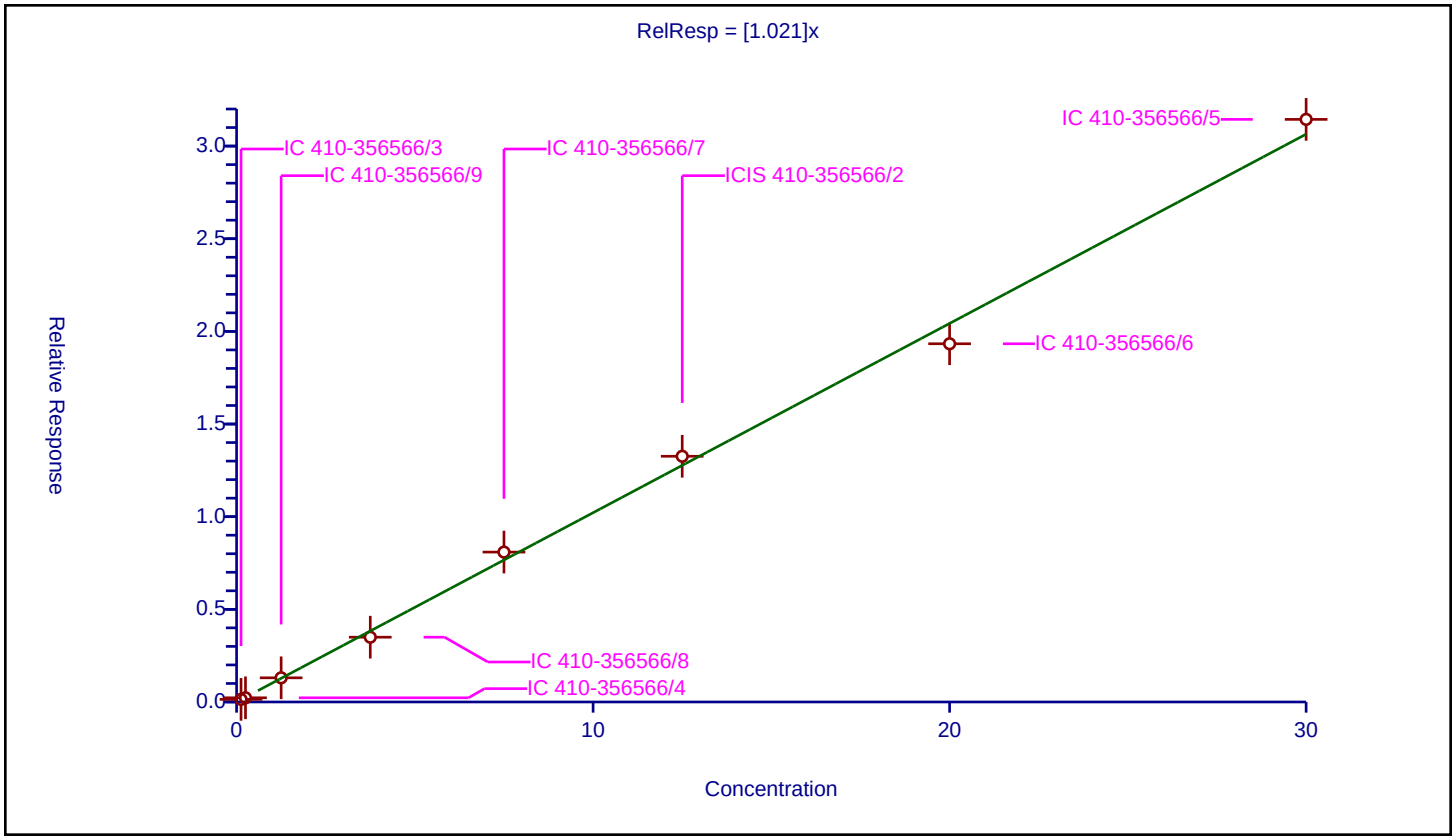
Curve Coefficients

Intercept:	0
Slope:	1.021

Error Coefficients

Standard Error:	575000
Relative Standard Error:	7.8
Correlation Coefficient:	0.959
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.142177	5.0	136344.0	1.137417	Y
2	IC 410-356566/4	0.25	0.226068	5.0	166543.0	0.904271	Y
3	IC 410-356566/9	1.25	1.304026	5.0	129173.0	1.043221	Y
4	IC 410-356566/8	3.75	3.496724	5.0	194911.0	0.93246	Y
5	IC 410-356566/7	7.5	8.089073	5.0	178191.0	1.078543	Y
6	ICIS 410-356566/2	12.5	13.260517	5.0	192517.0	1.060841	Y
7	IC 410-356566/6	20.0	19.332248	5.0	147712.0	0.966612	Y
8	IC 410-356566/5	30.0	31.440797	5.0	202860.0	1.048027	Y



Calibration / 1,2-Dichlorobenzene

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

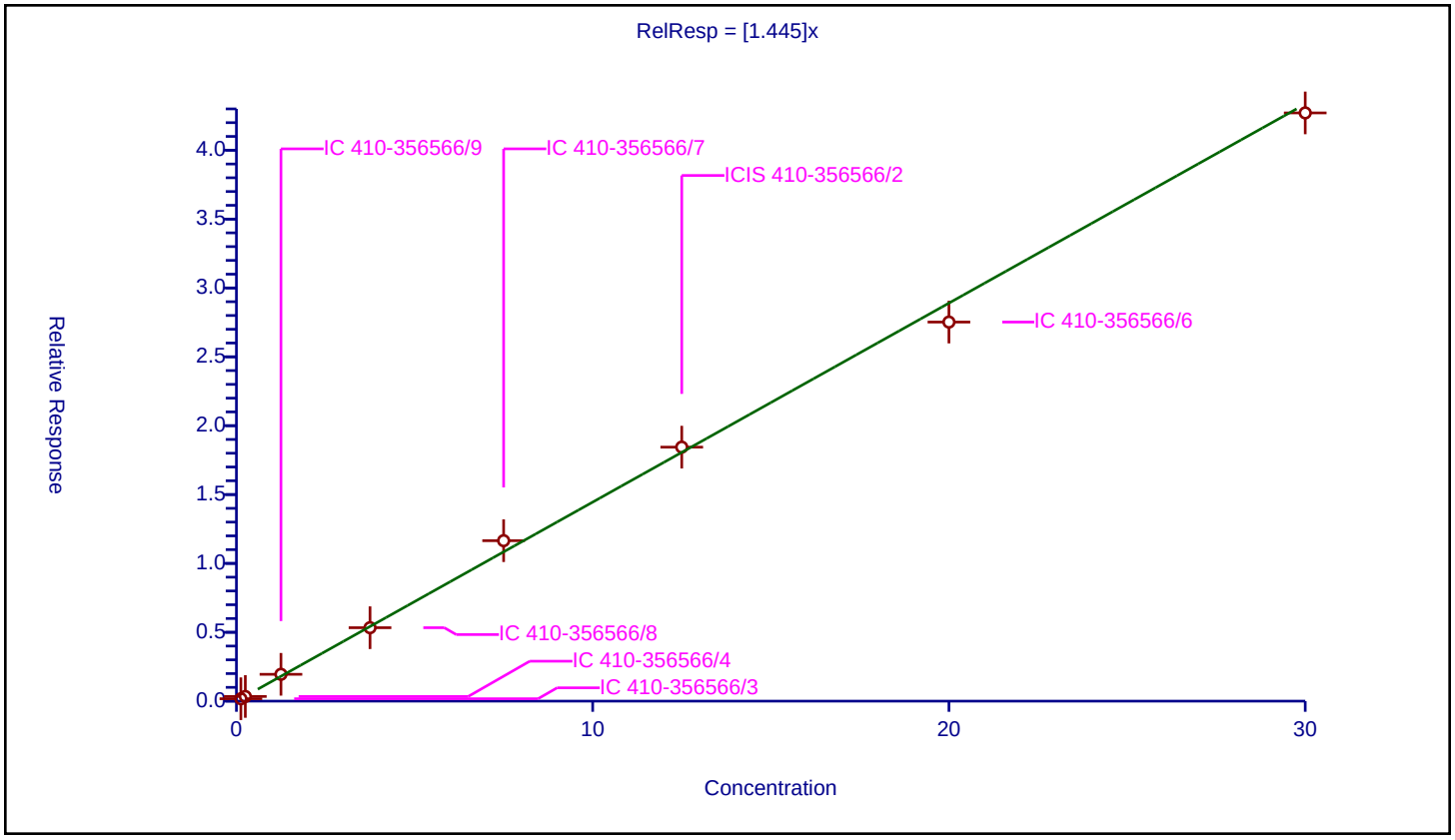
Curve Coefficients

Intercept:	0
Slope:	1.445

Error Coefficients

Standard Error:	792000
Relative Standard Error:	5.4
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.174522	5.0	136344.0	1.396174	Y
2	IC 410-356566/4	0.25	0.338651	5.0	166543.0	1.354605	Y
3	IC 410-356566/9	1.25	1.948704	5.0	129173.0	1.558964	Y
4	IC 410-356566/8	3.75	5.331818	5.0	194911.0	1.421818	Y
5	IC 410-356566/7	7.5	11.649859	5.0	178191.0	1.553315	Y
6	ICIS 410-356566/2	12.5	18.441982	5.0	192517.0	1.475359	Y
7	IC 410-356566/6	20.0	27.521528	5.0	147712.0	1.376076	Y
8	IC 410-356566/5	30.0	42.707754	5.0	202860.0	1.423592	Y



Calibration / 2-Methylphenol

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

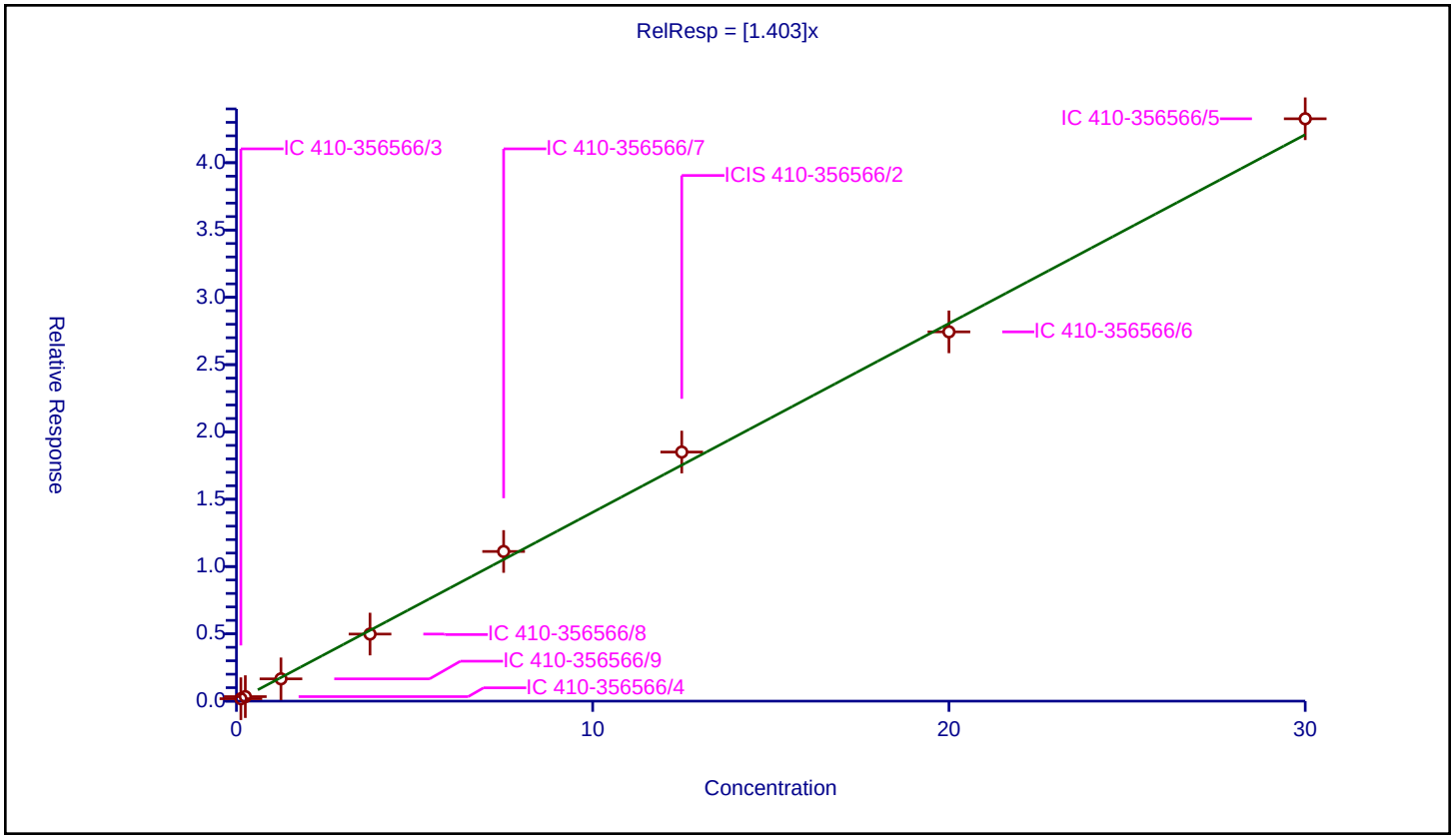
Curve Coefficients

Intercept:	0
Slope:	1.403

Error Coefficients

Standard Error:	797000
Relative Standard Error:	4.9
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.181636	5.0	136344.0	1.453089	Y
2	IC 410-356566/4	0.25	0.334898	5.0	166543.0	1.339594	Y
3	IC 410-356566/9	1.25	1.655222	5.0	129173.0	1.324178	Y
4	IC 410-356566/8	3.75	4.983787	5.0	194911.0	1.32901	Y
5	IC 410-356566/7	7.5	11.119389	5.0	178191.0	1.482585	Y
6	ICIS 410-356566/2	12.5	18.505223	5.0	192517.0	1.480418	Y
7	IC 410-356566/6	20.0	27.436566	5.0	147712.0	1.371828	Y
8	IC 410-356566/5	30.0	43.264961	5.0	202860.0	1.442165	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

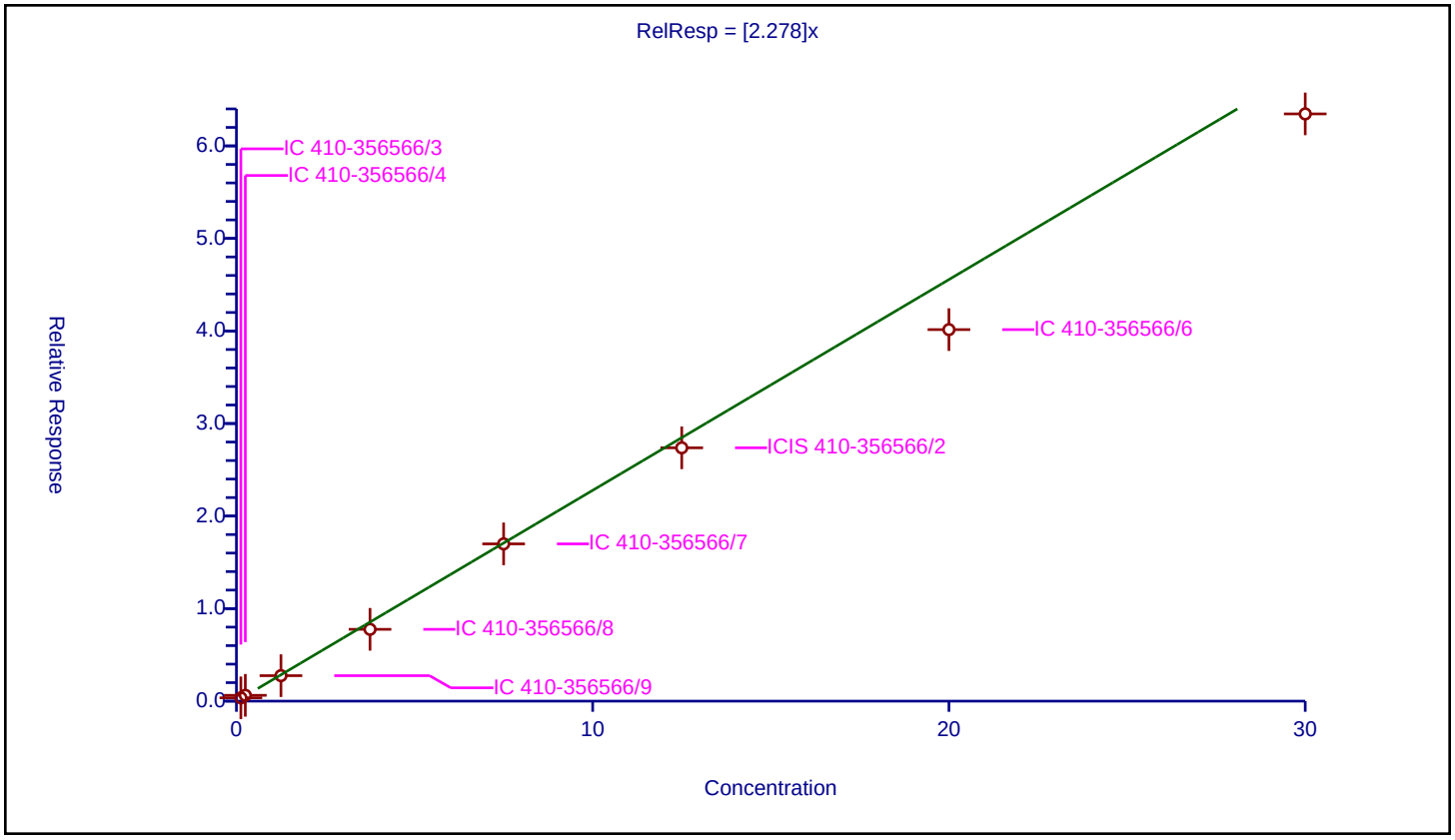
Curve Coefficients

Intercept:	0
Slope:	2.278

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	12.3
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.357772	5.0	136344.0	2.862172	Y
2	IC 410-356566/4	0.25	0.627616	5.0	166543.0	2.510463	Y
3	IC 410-356566/9	1.25	2.752936	5.0	129173.0	2.202349	Y
4	IC 410-356566/8	3.75	7.761902	5.0	194911.0	2.06984	Y
5	IC 410-356566/7	7.5	16.994657	5.0	178191.0	2.265954	Y
6	ICIS 410-356566/2	12.5	27.375193	5.0	192517.0	2.190015	Y
7	IC 410-356566/6	20.0	40.147855	5.0	147712.0	2.007393	Y
8	IC 410-356566/5	30.0	63.458962	5.0	202860.0	2.115299	Y



Calibration / N-Nitrosopyrrolidine

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

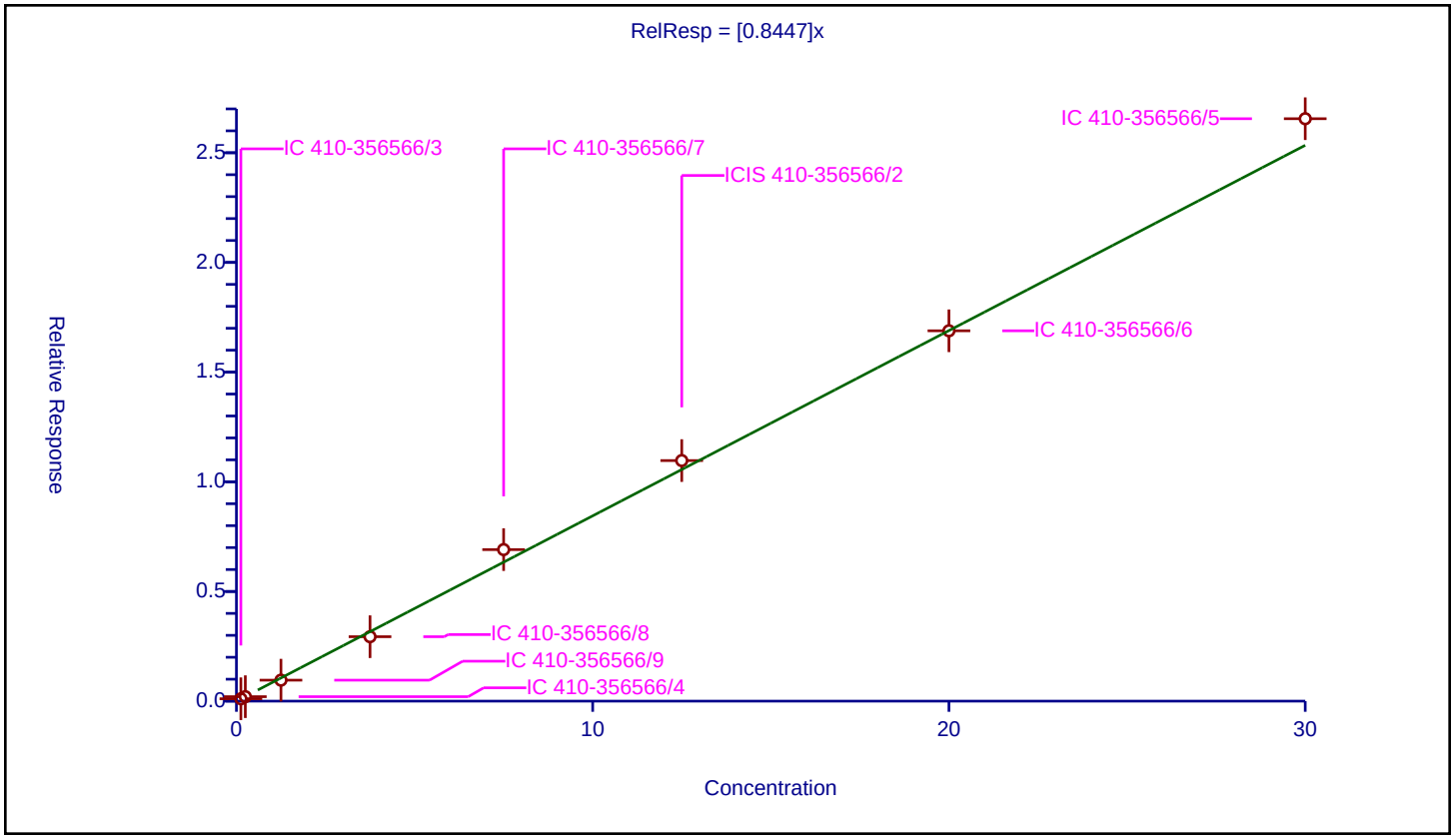
Curve Coefficients

Intercept:	0
Slope:	0.8447

Error Coefficients

Standard Error:	487000
Relative Standard Error:	6.3
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.108292	5.0	136344.0	0.866338	Y
2	IC 410-356566/4	0.25	0.203761	5.0	166543.0	0.815045	Y
3	IC 410-356566/9	1.25	0.956469	5.0	129173.0	0.765175	Y
4	IC 410-356566/8	3.75	2.937341	5.0	194911.0	0.783291	Y
5	IC 410-356566/7	7.5	6.907784	5.0	178191.0	0.921038	Y
6	ICIS 410-356566/2	12.5	10.966902	5.0	192517.0	0.877352	Y
7	IC 410-356566/6	20.0	16.884106	5.0	147712.0	0.844205	Y
8	IC 410-356566/5	30.0	26.55176	5.0	202860.0	0.885059	Y



Calibration / 4-Methylphenol

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

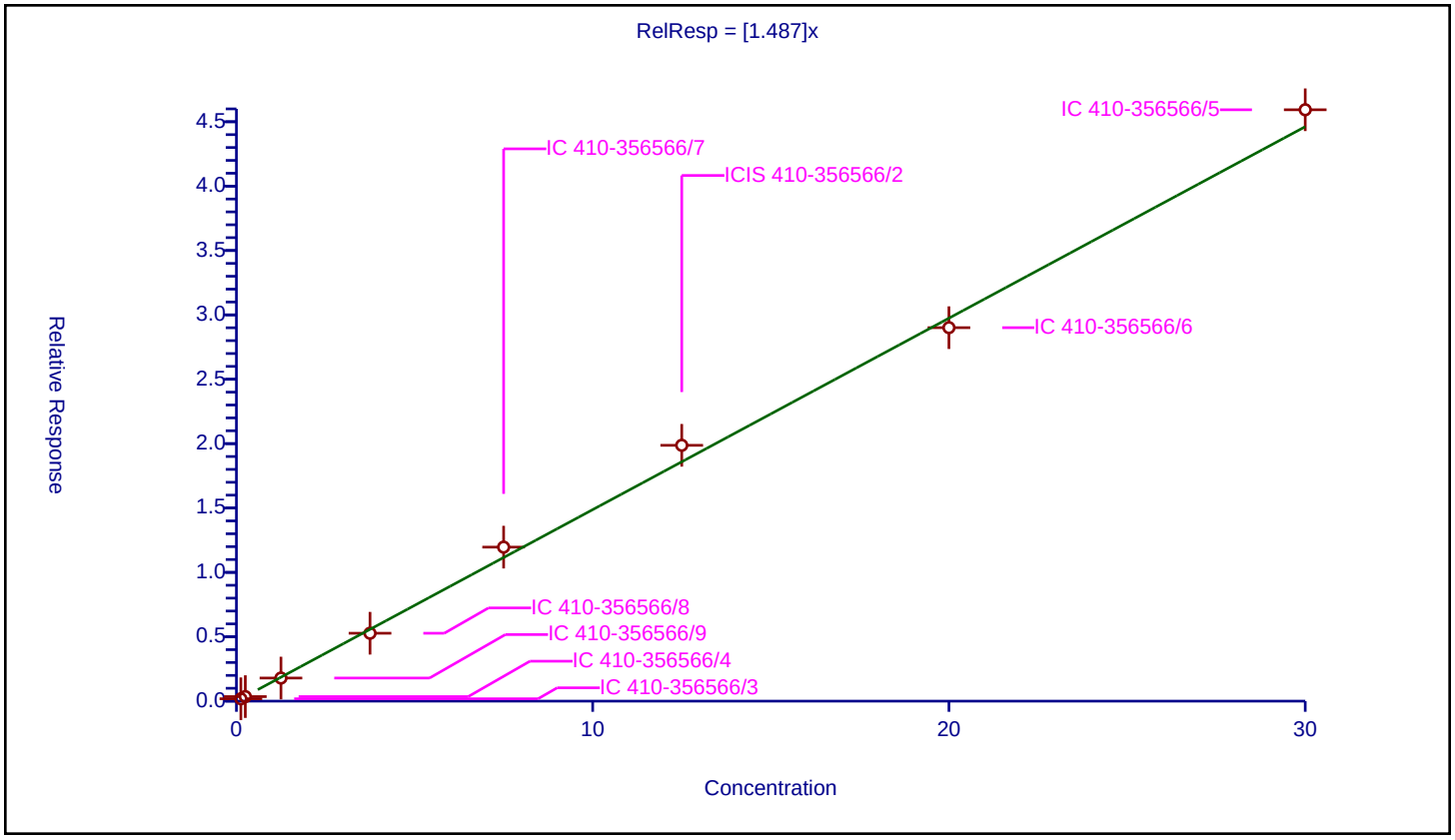
Curve Coefficients

Intercept:	0
Slope:	1.487

Error Coefficients

Standard Error:	847000
Relative Standard Error:	5.1
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.184423	5.0	136344.0	1.475386	Y
2	IC 410-356566/4	0.25	0.353632	5.0	166543.0	1.41453	Y
3	IC 410-356566/9	1.25	1.794067	5.0	129173.0	1.435253	Y
4	IC 410-356566/8	3.75	5.273971	5.0	194911.0	1.406392	Y
5	IC 410-356566/7	7.5	11.96222	5.0	178191.0	1.594963	Y
6	ICIS 410-356566/2	12.5	19.871102	5.0	192517.0	1.589688	Y
7	IC 410-356566/6	20.0	29.008916	5.0	147712.0	1.450446	Y
8	IC 410-356566/5	30.0	45.931307	5.0	202860.0	1.531044	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

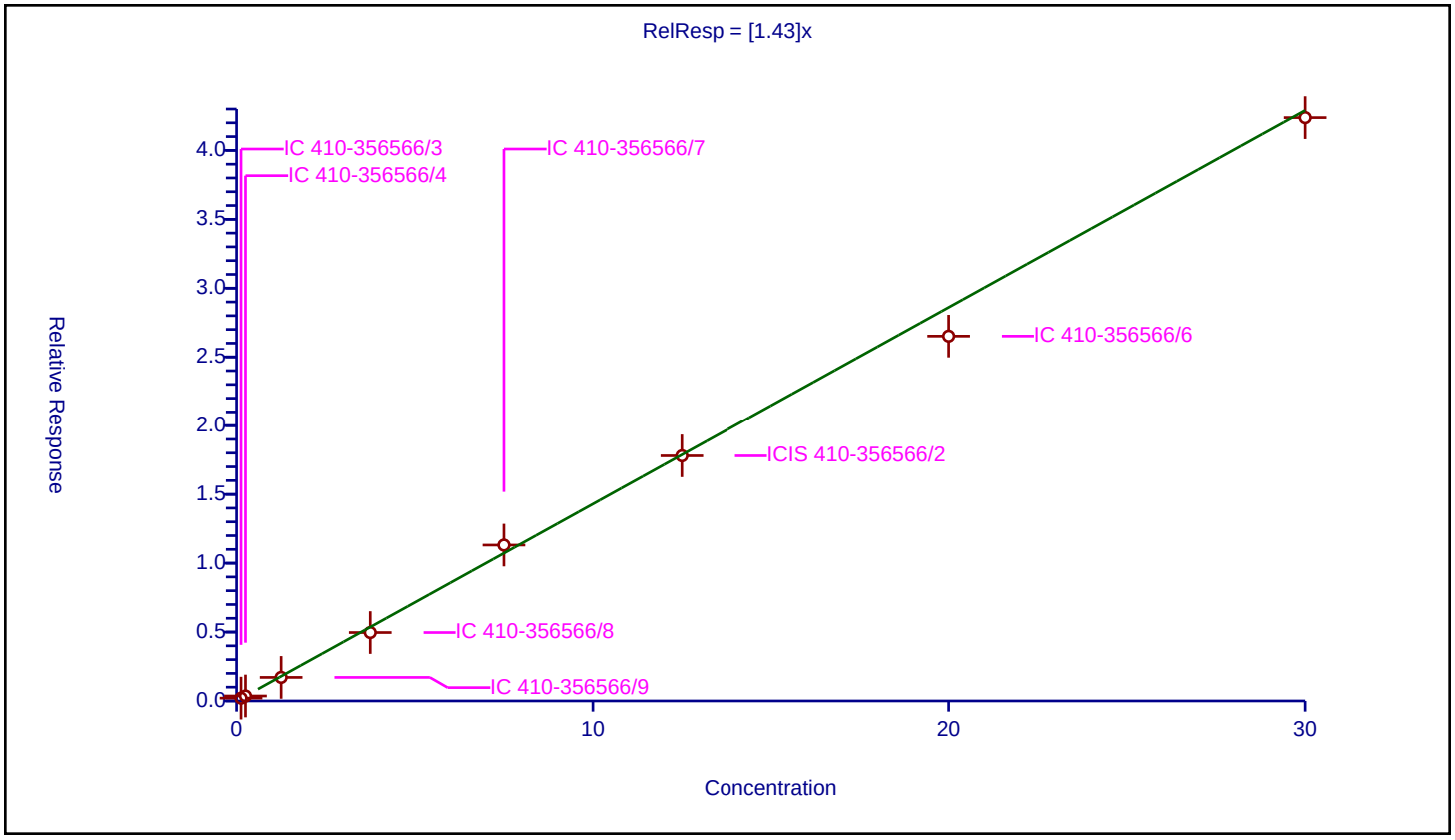
Curve Coefficients

Intercept:	0
Slope:	1.43

Error Coefficients

Standard Error:	778000
Relative Standard Error:	7.4
Correlation Coefficient:	0.962
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.205143	5.0	136344.0	1.641143	Y
2	IC 410-356566/4	0.25	0.359667	5.0	166543.0	1.438667	Y
3	IC 410-356566/9	1.25	1.707555	5.0	129173.0	1.366044	Y
4	IC 410-356566/8	3.75	4.964266	5.0	194911.0	1.323804	Y
5	IC 410-356566/7	7.5	11.315106	5.0	178191.0	1.508681	Y
6	ICIS 410-356566/2	12.5	17.802584	5.0	192517.0	1.424207	Y
7	IC 410-356566/6	20.0	26.514874	5.0	147712.0	1.325744	Y
8	IC 410-356566/5	30.0	42.378266	5.0	202860.0	1.412609	Y



Calibration / Acetophenone

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

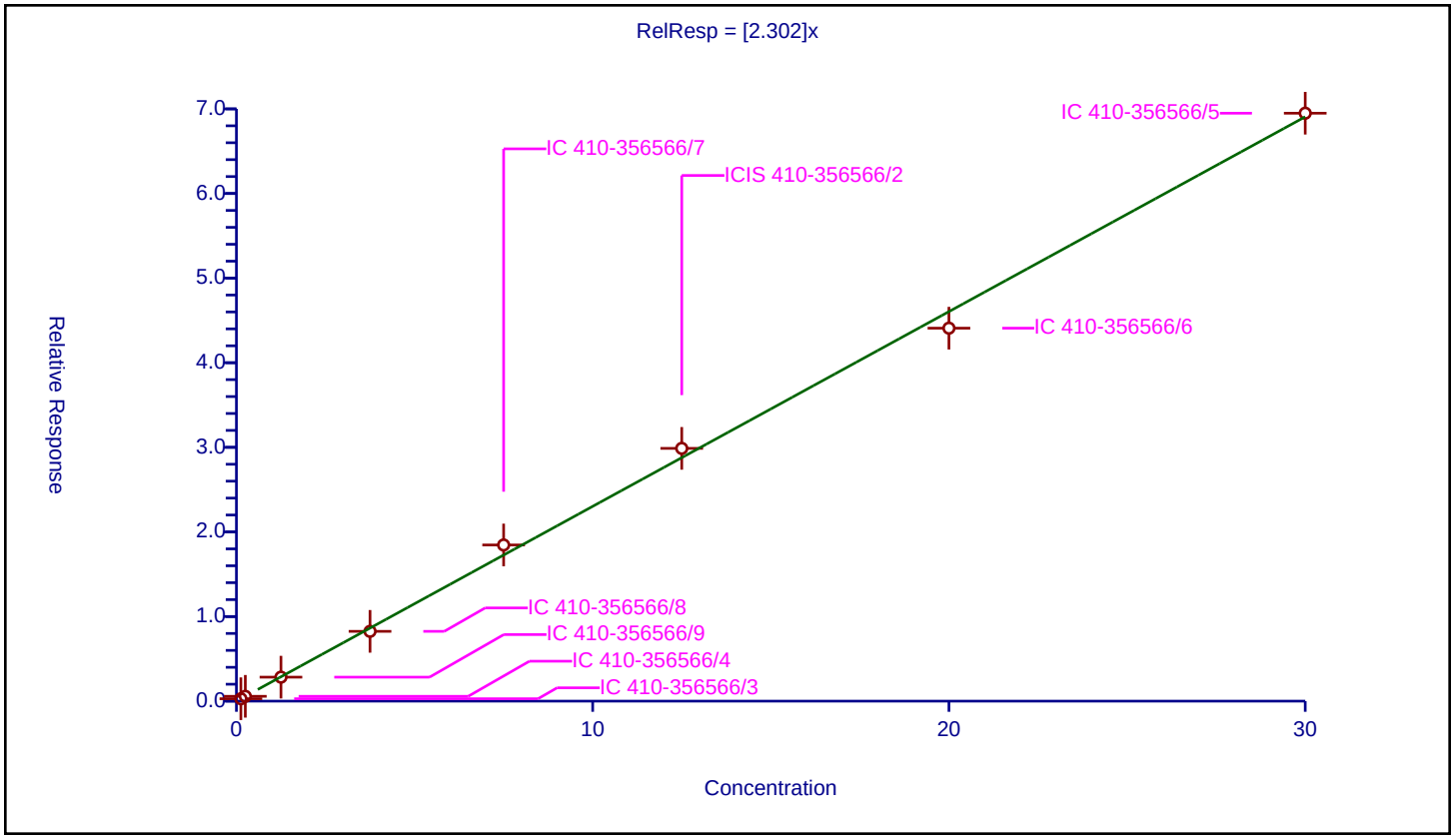
Curve Coefficients

Intercept:	0
Slope:	2.302

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	3.8
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.286115	5.0	136344.0	2.288916	Y
2	IC 410-356566/4	0.25	0.572285	5.0	166543.0	2.289139	Y
3	IC 410-356566/9	1.25	2.834222	5.0	129173.0	2.267378	Y
4	IC 410-356566/8	3.75	8.250047	5.0	194911.0	2.200013	Y
5	IC 410-356566/7	7.5	18.457975	5.0	178191.0	2.461063	Y
6	ICIS 410-356566/2	12.5	29.875466	5.0	192517.0	2.390037	Y
7	IC 410-356566/6	20.0	44.084096	5.0	147712.0	2.204205	Y
8	IC 410-356566/5	30.0	69.490042	5.0	202860.0	2.316335	Y



Calibration / N-Nitrosomorpholine

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

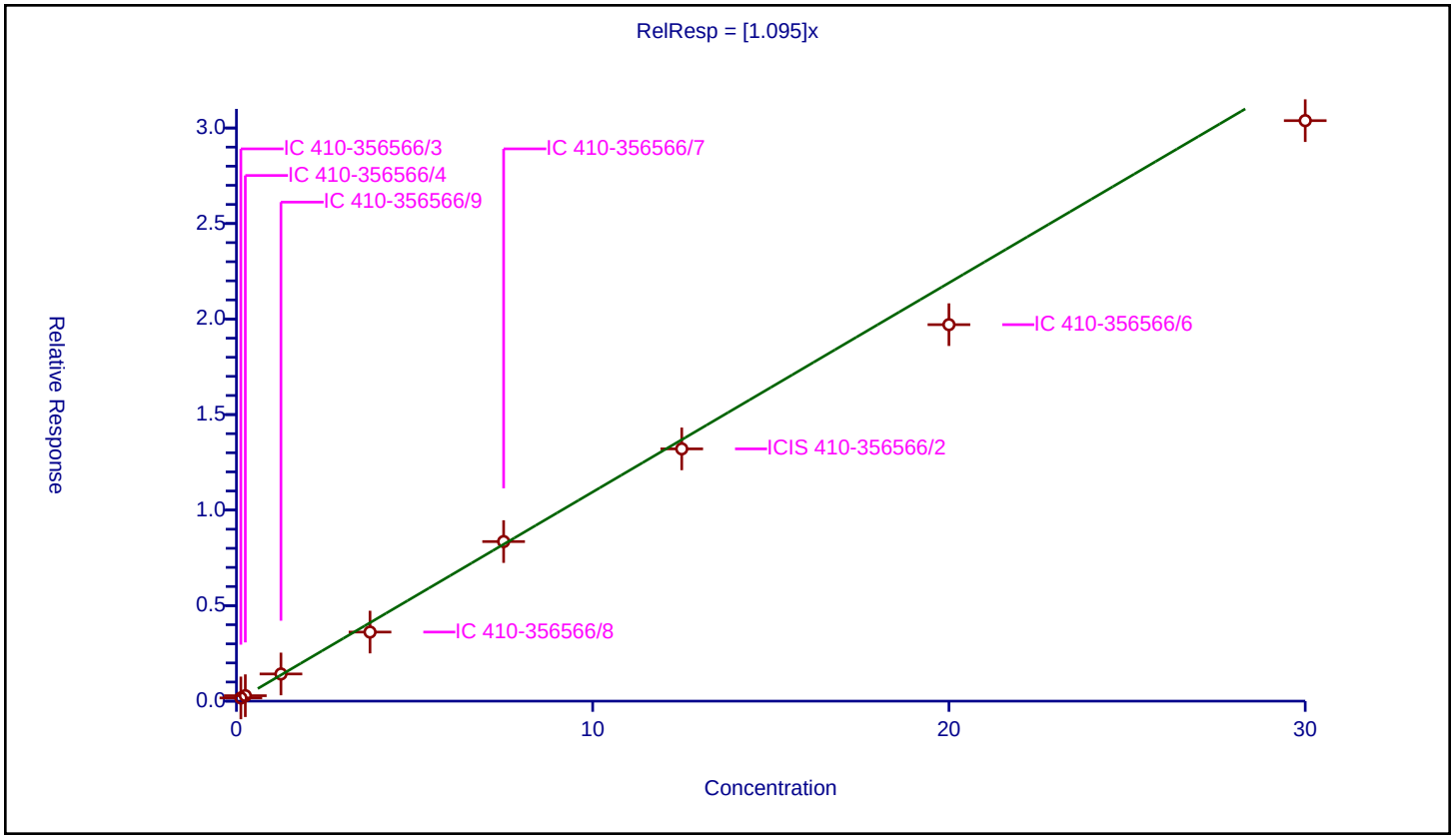
Curve Coefficients

Intercept:	0
Slope:	1.095

Error Coefficients

Standard Error:	564000
Relative Standard Error:	11.2
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.168288	5.0	136344.0	1.346301	Y
2	IC 410-356566/4	0.25	0.285212	5.0	166543.0	1.140847	Y
3	IC 410-356566/9	1.25	1.422627	5.0	129173.0	1.138102	Y
4	IC 410-356566/8	3.75	3.616215	5.0	194911.0	0.964324	Y
5	IC 410-356566/7	7.5	8.352498	5.0	178191.0	1.113666	Y
6	ICIS 410-356566/2	12.5	13.204808	5.0	192517.0	1.056385	Y
7	IC 410-356566/6	20.0	19.706659	5.0	147712.0	0.985333	Y
8	IC 410-356566/5	30.0	30.384822	5.0	202860.0	1.012827	Y



Calibration / 2-Toluidine

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

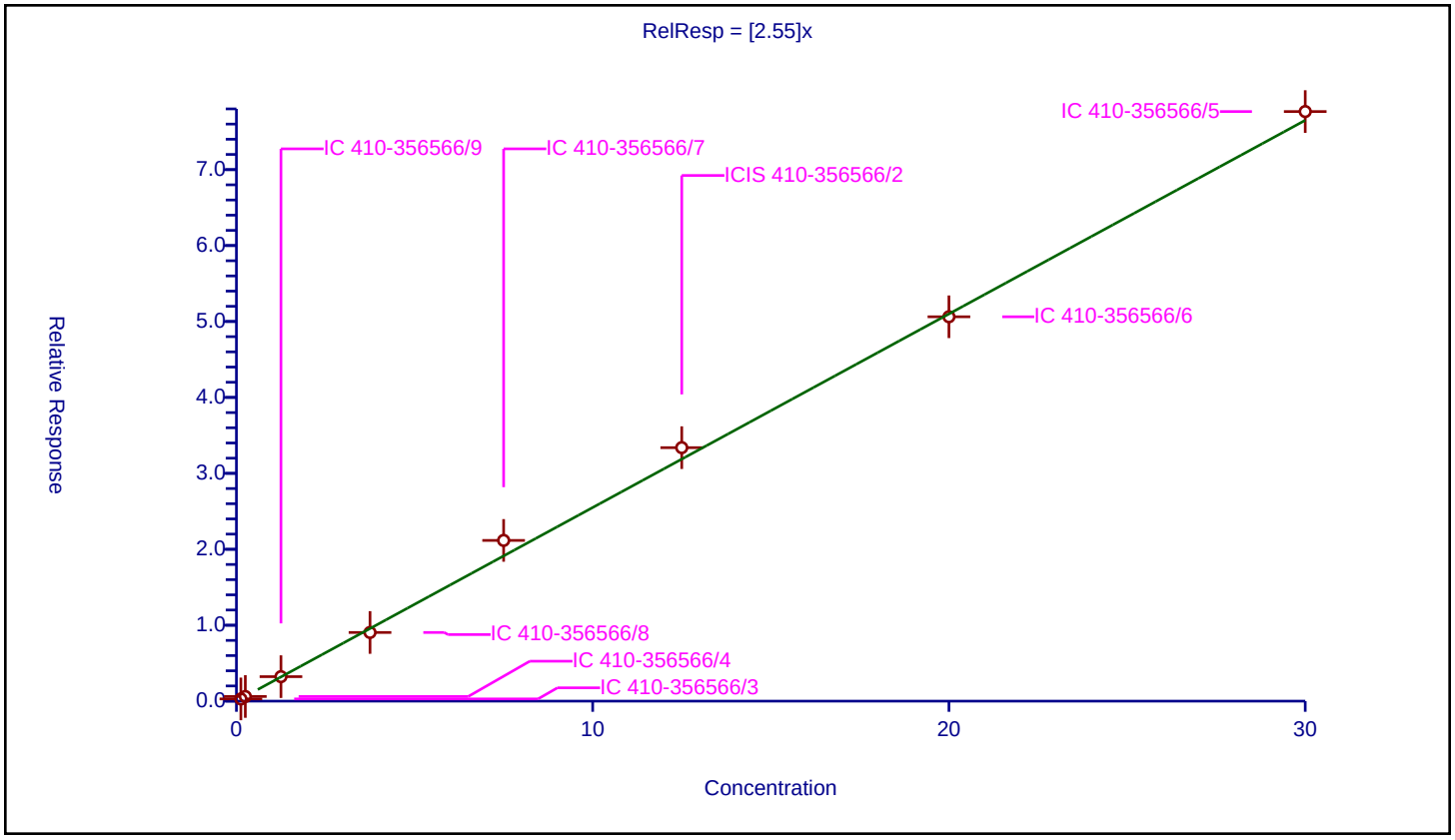
Curve Coefficients

Intercept:	0
Slope:	2.55

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	6.0
Correlation Coefficient:	0.968
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.293962	5.0	136344.0	2.351699	Y
2	IC 410-356566/4	0.25	0.610803	5.0	166543.0	2.443213	Y
3	IC 410-356566/9	1.25	3.224435	5.0	129173.0	2.579548	Y
4	IC 410-356566/8	3.75	9.045436	5.0	194911.0	2.412116	Y
5	IC 410-356566/7	7.5	21.167455	5.0	178191.0	2.822327	Y
6	ICIS 410-356566/2	12.5	33.386584	5.0	192517.0	2.670927	Y
7	IC 410-356566/6	20.0	50.622766	5.0	147712.0	2.531138	Y
8	IC 410-356566/5	30.0	77.650104	5.0	202860.0	2.588337	Y



Calibration / Hexachloroethane

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

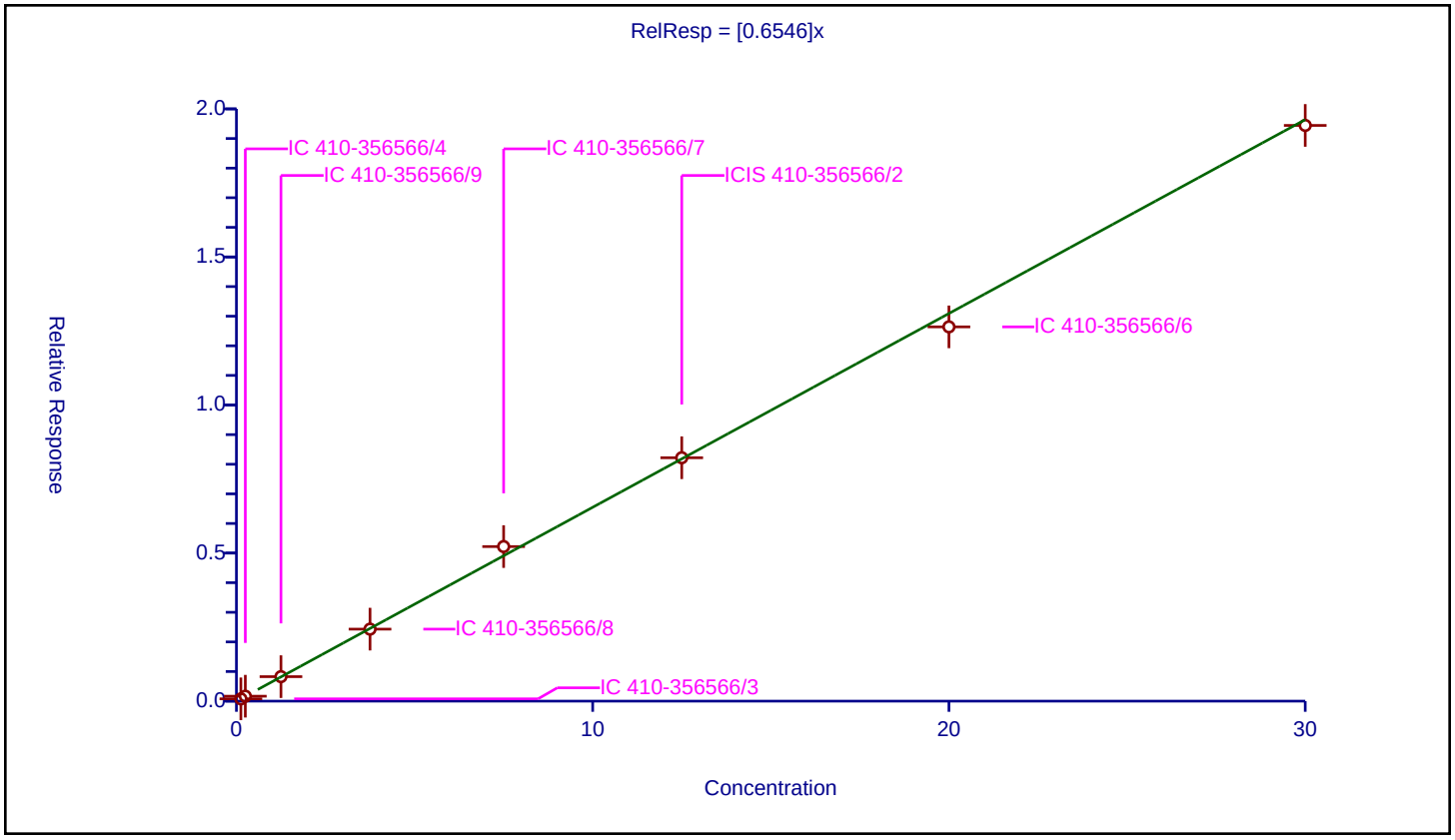
Curve Coefficients

Intercept:	0
Slope:	0.6546

Error Coefficients

Standard Error:	360000
Relative Standard Error:	3.4
Correlation Coefficient:	0.968
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.078001	5.0	136344.0	0.62401	Y
2	IC 410-356566/4	0.25	0.167194	5.0	166543.0	0.668776	Y
3	IC 410-356566/9	1.25	0.827108	5.0	129173.0	0.661686	Y
4	IC 410-356566/8	3.75	2.431648	5.0	194911.0	0.64844	Y
5	IC 410-356566/7	7.5	5.219933	5.0	178191.0	0.695991	Y
6	ICIS 410-356566/2	12.5	8.219586	5.0	192517.0	0.657567	Y
7	IC 410-356566/6	20.0	12.63919	5.0	147712.0	0.631959	Y
8	IC 410-356566/5	30.0	19.441117	5.0	202860.0	0.648037	Y



Calibration / Nitrobenzene-d5

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

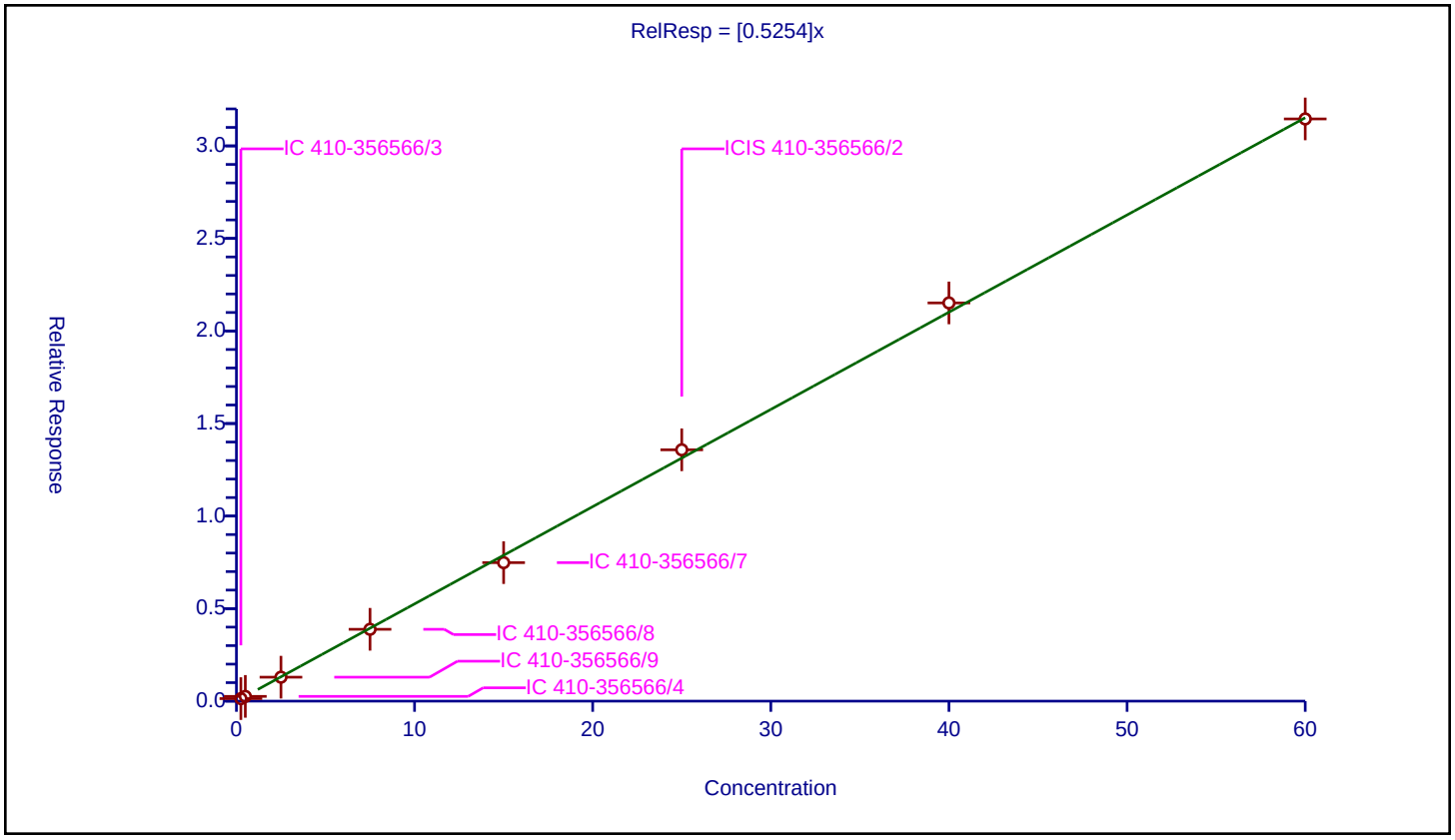
Curve Coefficients

Intercept:	0
Slope:	0.5254

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	3.2
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.25	0.137361	5.0	495556.0	0.549443	Y
2	IC 410-356566/4	0.5	0.257038	5.0	615065.0	0.514076	Y
3	IC 410-356566/9	2.5	1.294129	5.0	494483.0	0.517652	Y
4	IC 410-356566/8	7.5	3.881313	5.0	698743.0	0.517508	Y
5	IC 410-356566/7	15.0	7.483525	5.0	758269.0	0.498902	Y
6	ICIS 410-356566/2	25.0	13.580399	5.0	711517.0	0.543216	Y
7	IC 410-356566/6	40.0	21.515885	5.0	510596.0	0.537897	Y
8	IC 410-356566/5	60.0	31.458064	5.0	741754.0	0.524301	Y



Calibration / Nitrobenzene

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

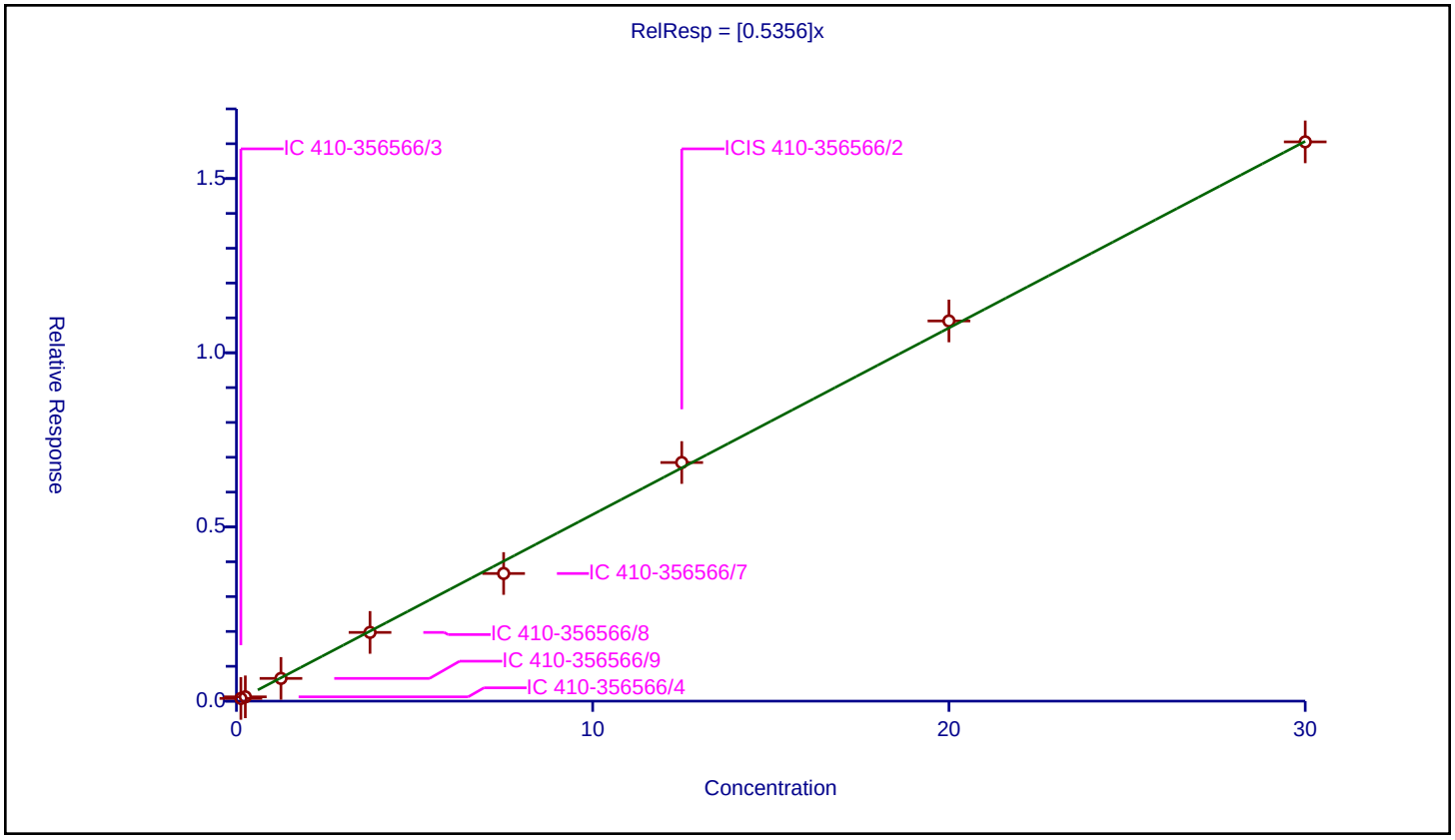
Curve Coefficients

Intercept:	0
Slope:	0.5356

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	8.0
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.078306	5.0	495556.0	0.626448	Y
2	IC 410-356566/4	0.25	0.123288	5.0	615065.0	0.493151	Y
3	IC 410-356566/9	1.25	0.652388	5.0	494483.0	0.521911	Y
4	IC 410-356566/8	3.75	1.973093	5.0	698743.0	0.526158	Y
5	IC 410-356566/7	7.5	3.664241	5.0	758269.0	0.488565	Y
6	ICIS 410-356566/2	12.5	6.849576	5.0	711517.0	0.547966	Y
7	IC 410-356566/6	20.0	10.91307	5.0	510596.0	0.545654	Y
8	IC 410-356566/5	30.0	16.053644	5.0	741754.0	0.535121	Y



Calibration / N-Nitrosopiperidine

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

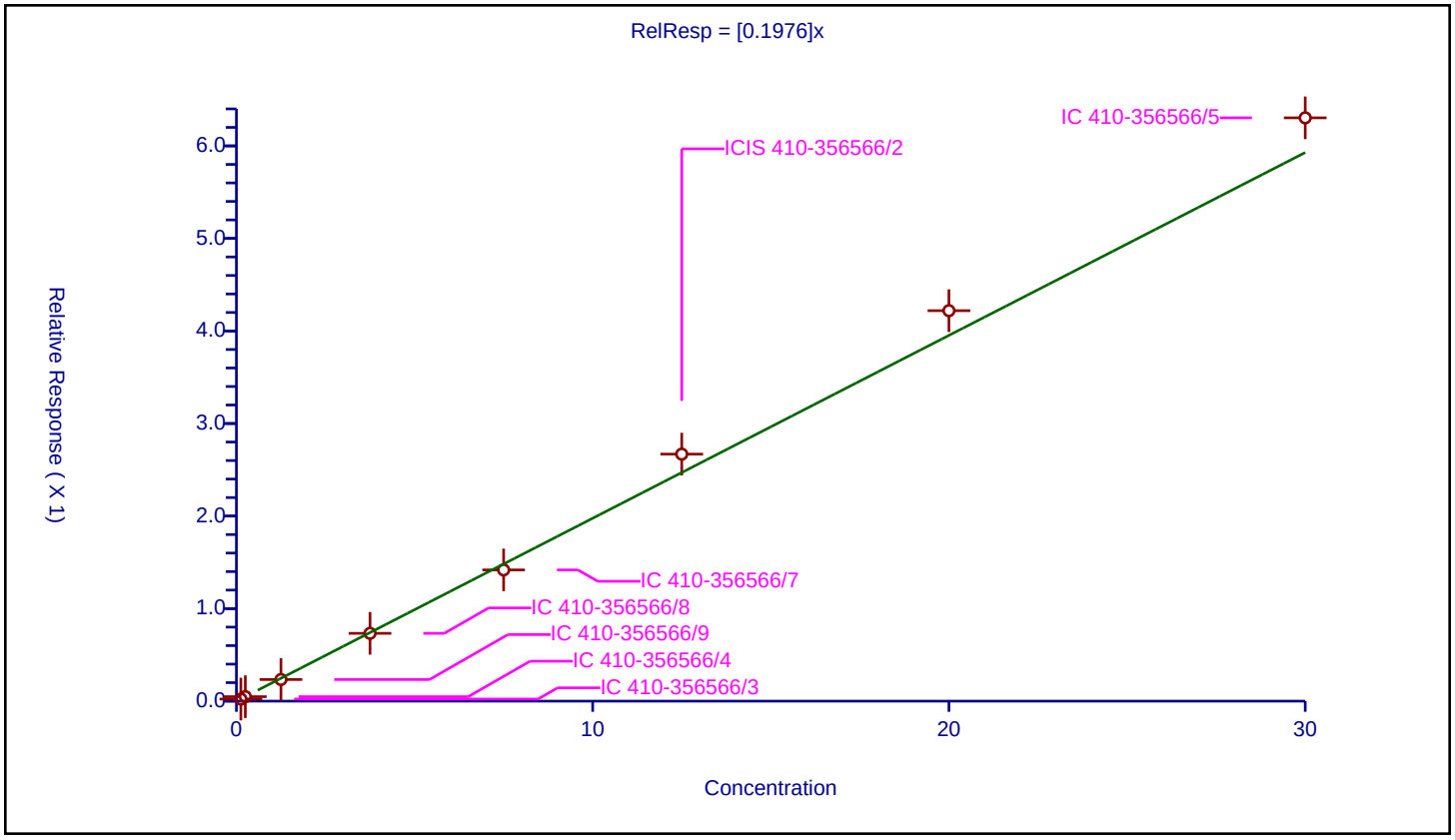
Curve Coefficients

Intercept:	0
Slope:	0.1976

Error Coefficients

Standard Error:	425000
Relative Standard Error:	6.2
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.022722	5.0	495556.0	0.181776	Y
2	IC 410-356566/4	0.25	0.04832	5.0	615065.0	0.19328	Y
3	IC 410-356566/9	1.25	0.233517	5.0	494483.0	0.186813	Y
4	IC 410-356566/8	3.75	0.732644	5.0	698743.0	0.195372	Y
5	IC 410-356566/7	7.5	1.418059	5.0	758269.0	0.189075	Y
6	ICIS 410-356566/2	12.5	2.669479	5.0	711517.0	0.213558	Y
7	IC 410-356566/6	20.0	4.219412	5.0	510596.0	0.210971	Y
8	IC 410-356566/5	30.0	6.30333	5.0	741754.0	0.210111	Y



Calibration / Isophorone

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

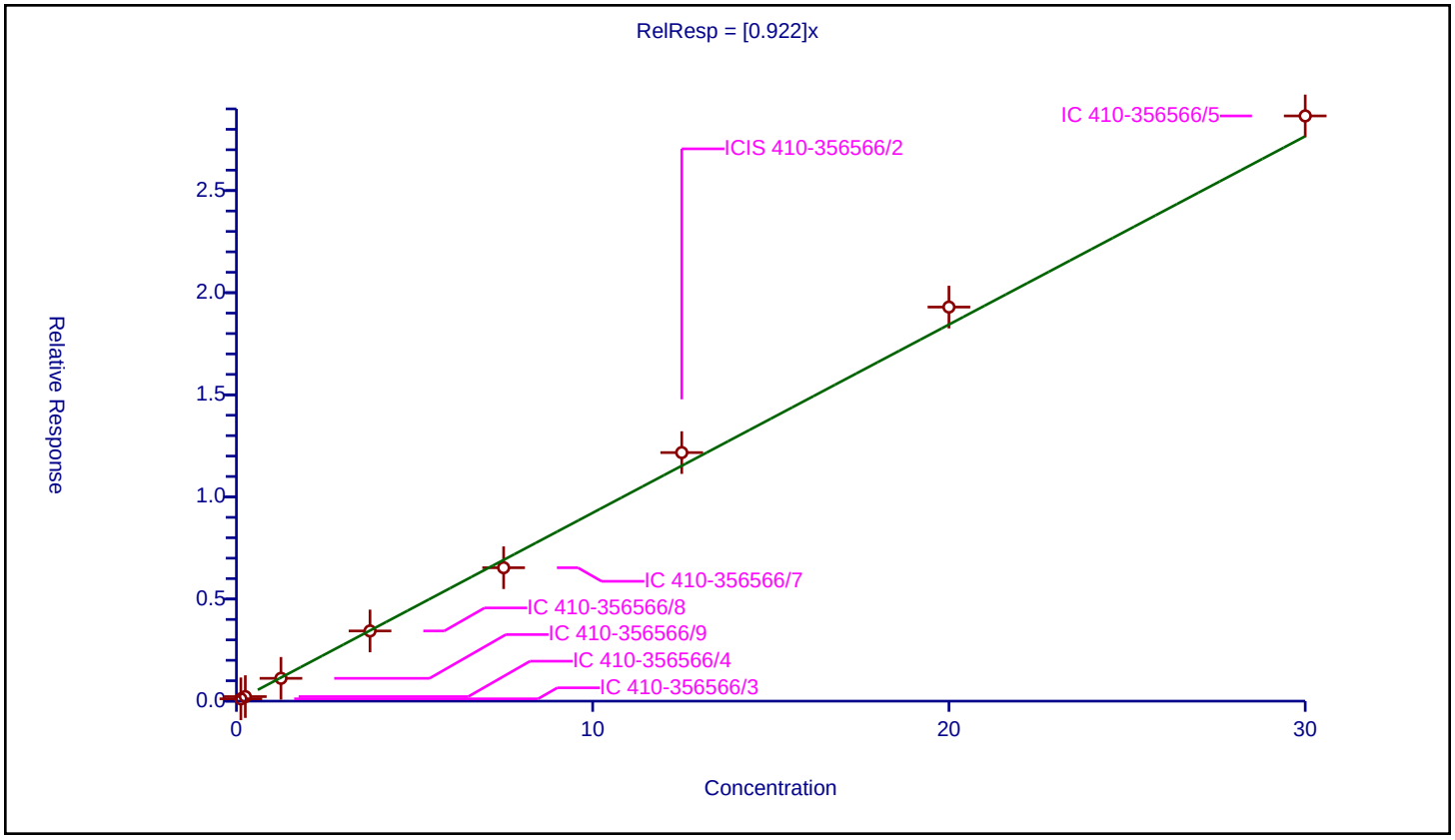
Curve Coefficients

Intercept:	0
Slope:	0.922

Error Coefficients

Standard Error:	1930000
Relative Standard Error:	4.1
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.114054	5.0	495556.0	0.91243	Y
2	IC 410-356566/4	0.25	0.222131	5.0	615065.0	0.888524	Y
3	IC 410-356566/9	1.25	1.117217	5.0	494483.0	0.893774	Y
4	IC 410-356566/8	3.75	3.43655	5.0	698743.0	0.916413	Y
5	IC 410-356566/7	7.5	6.53377	5.0	758269.0	0.871169	Y
6	ICIS 410-356566/2	12.5	12.171157	5.0	711517.0	0.973693	Y
7	IC 410-356566/6	20.0	19.296313	5.0	510596.0	0.964816	Y
8	IC 410-356566/5	30.0	28.655241	5.0	741754.0	0.955175	Y



Calibration / 2-Nitrophenol

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

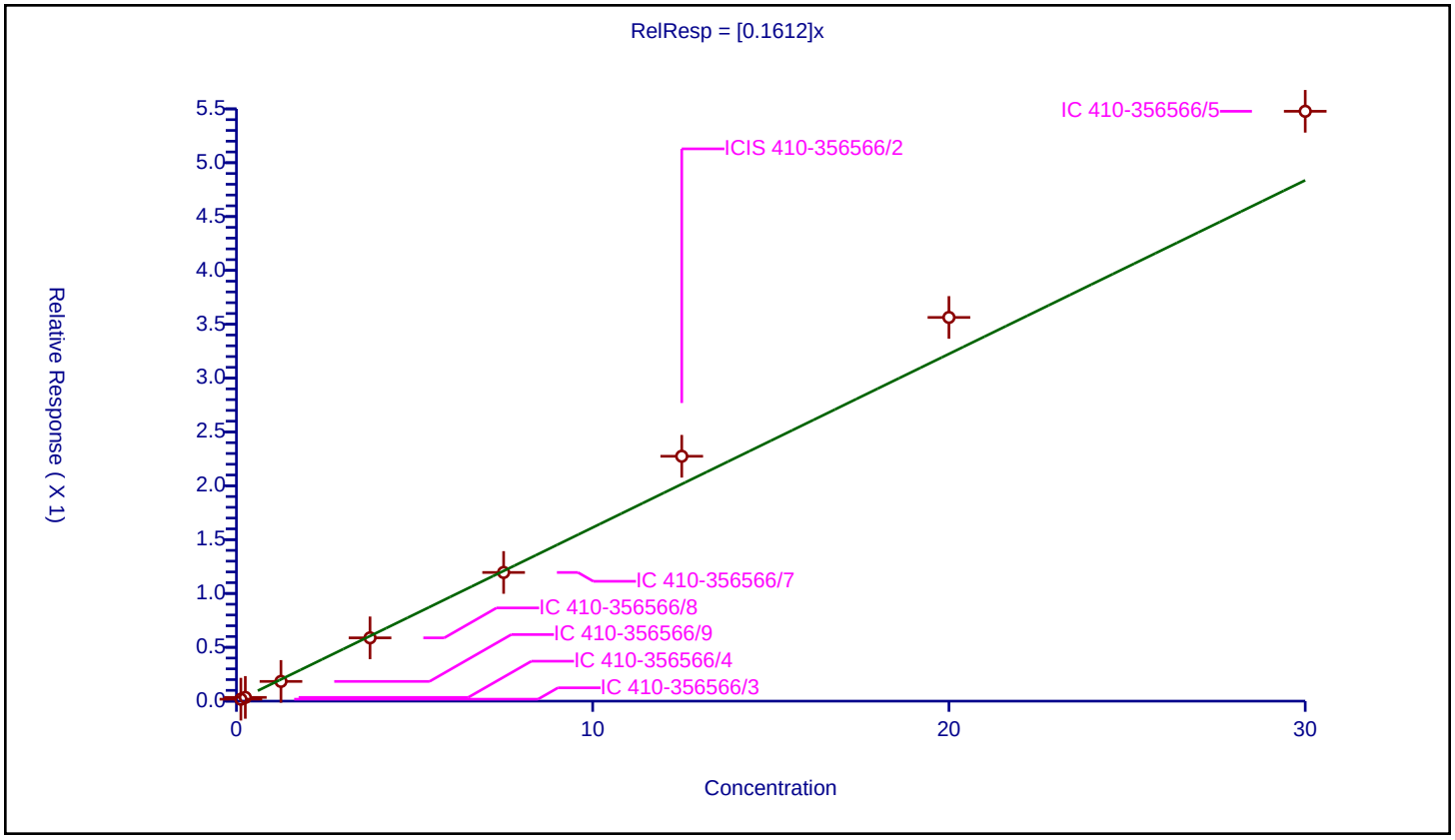
Curve Coefficients

Intercept:	0
Slope:	0.1612

Error Coefficients

Standard Error:	366000
Relative Standard Error:	10.9
Correlation Coefficient:	0.960
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.018192	5.0	495556.0	0.145534	Y
2	IC 410-356566/4	0.25	0.034752	5.0	615065.0	0.13901	Y
3	IC 410-356566/9	1.25	0.18311	5.0	494483.0	0.146488	Y
4	IC 410-356566/8	3.75	0.587806	5.0	698743.0	0.156748	Y
5	IC 410-356566/7	7.5	1.195071	5.0	758269.0	0.159343	Y
6	ICIS 410-356566/2	12.5	2.274225	5.0	711517.0	0.181938	Y
7	IC 410-356566/6	20.0	3.563257	5.0	510596.0	0.178163	Y
8	IC 410-356566/5	30.0	5.477712	5.0	741754.0	0.18259	Y



Calibration / 2,4-Dimethylphenol

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

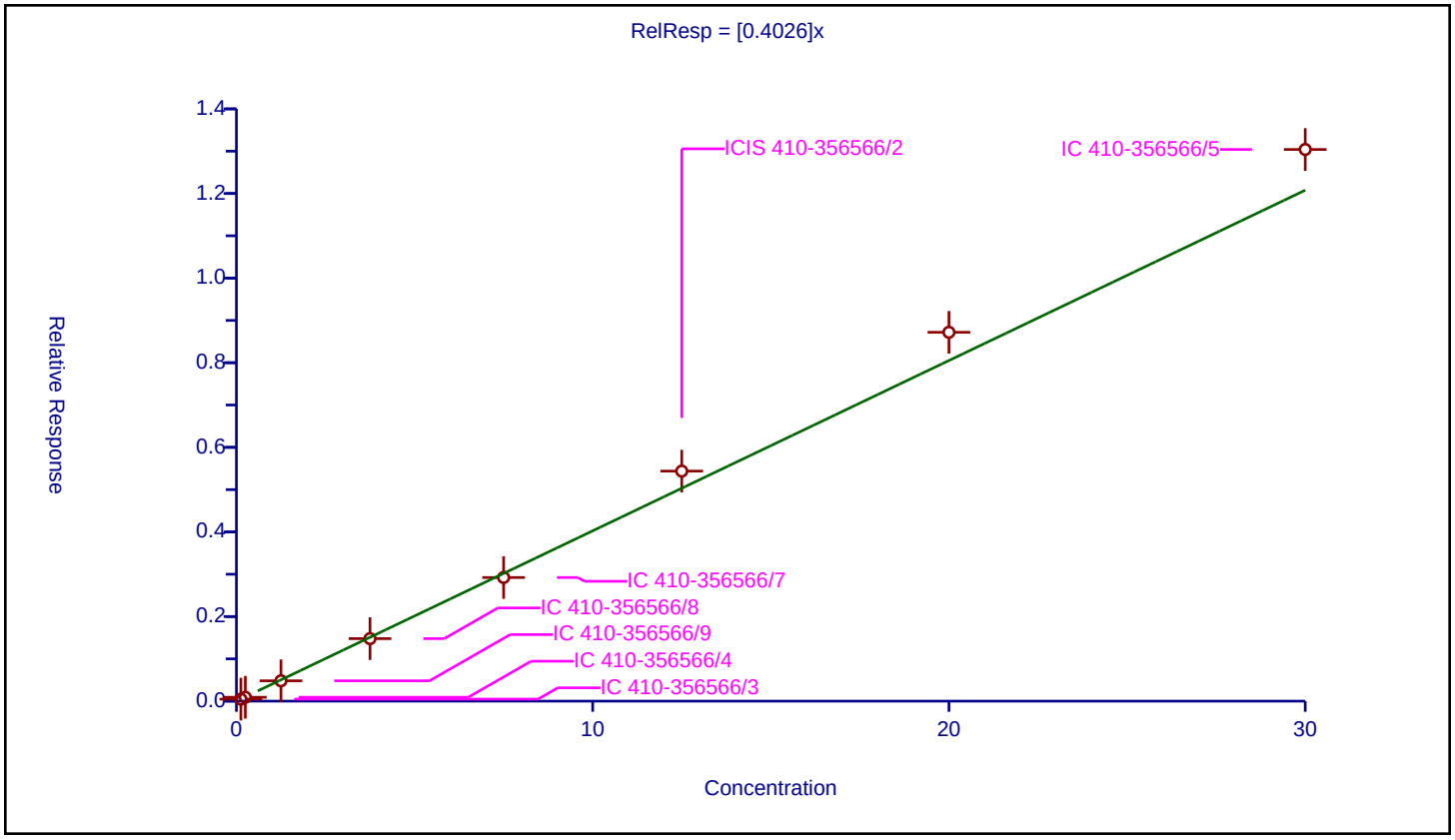
Curve Coefficients

Intercept:	0
Slope:	0.4026

Error Coefficients

Standard Error:	876000
Relative Standard Error:	7.0
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.047512	5.0	495556.0	0.380098	Y
2	IC 410-356566/4	0.25	0.091592	5.0	615065.0	0.366368	Y
3	IC 410-356566/9	1.25	0.480987	5.0	494483.0	0.38479	Y
4	IC 410-356566/8	3.75	1.47799	5.0	698743.0	0.394131	Y
5	IC 410-356566/7	7.5	2.922498	5.0	758269.0	0.389666	Y
6	ICIS 410-356566/2	12.5	5.437713	5.0	711517.0	0.435017	Y
7	IC 410-356566/6	20.0	8.719222	5.0	510596.0	0.435961	Y
8	IC 410-356566/5	30.0	13.040651	5.0	741754.0	0.434688	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

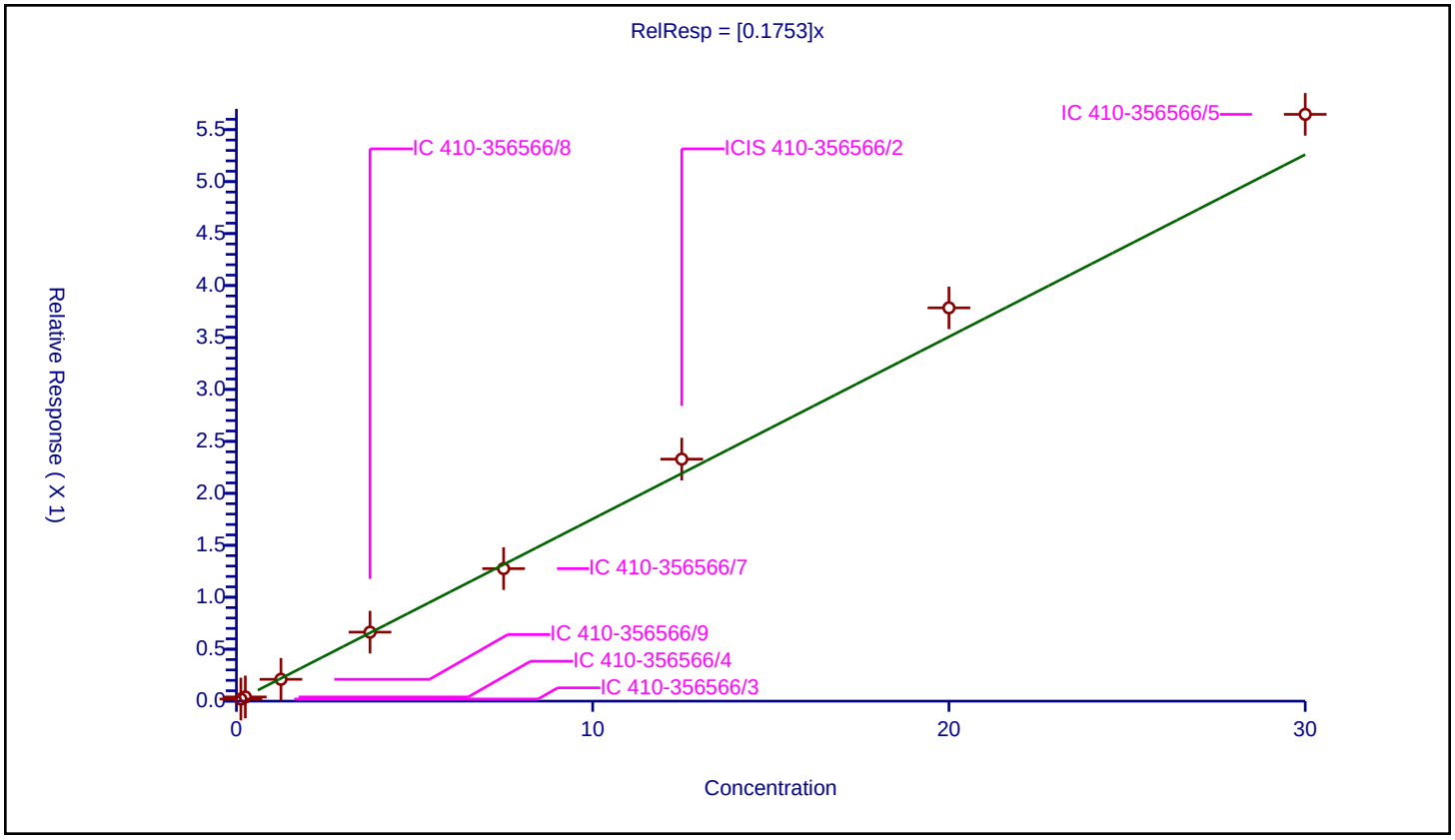
Curve Coefficients

Intercept:	0
Slope:	0.1753

Error Coefficients

Standard Error:	379000
Relative Standard Error:	6.6
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.02027	5.0	495556.0	0.162161	Y
2	IC 410-356566/4	0.25	0.04037	5.0	615065.0	0.161479	Y
3	IC 410-356566/9	1.25	0.210169	5.0	494483.0	0.168135	Y
4	IC 410-356566/8	3.75	0.663978	5.0	698743.0	0.177061	Y
5	IC 410-356566/7	7.5	1.275339	5.0	758269.0	0.170045	Y
6	ICIS 410-356566/2	12.5	2.329164	5.0	711517.0	0.186333	Y
7	IC 410-356566/6	20.0	3.785077	5.0	510596.0	0.189254	Y
8	IC 410-356566/5	30.0	5.647546	5.0	741754.0	0.188252	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

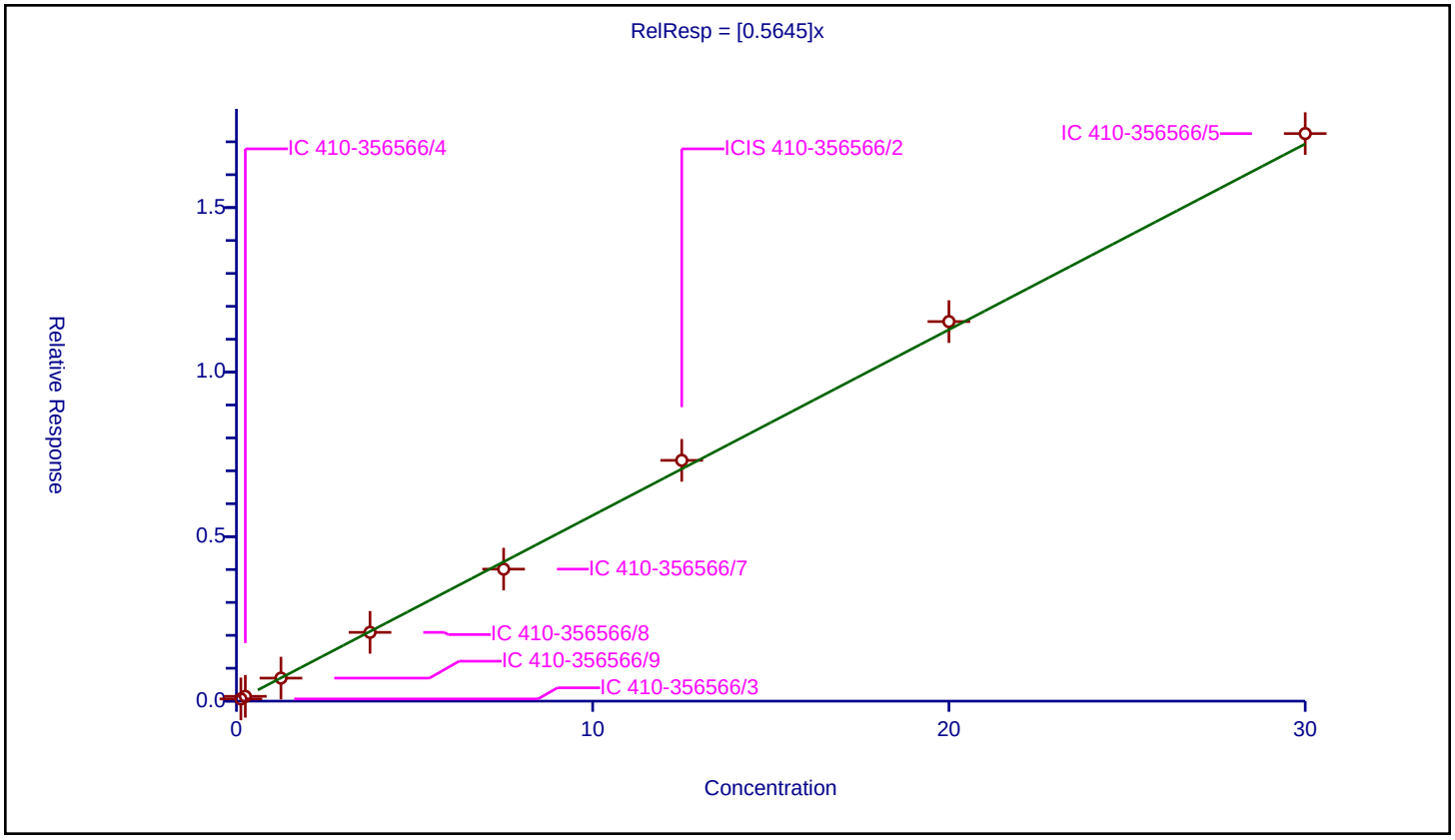
Curve Coefficients

Intercept:	0
Slope:	0.5645

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	3.4
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.067631	5.0	495556.0	0.541049	Y
2	IC 410-356566/4	0.25	0.146375	5.0	615065.0	0.585499	Y
3	IC 410-356566/9	1.25	0.700044	5.0	494483.0	0.560035	Y
4	IC 410-356566/8	3.75	2.090754	5.0	698743.0	0.557535	Y
5	IC 410-356566/7	7.5	4.012554	5.0	758269.0	0.535007	Y
6	ICIS 410-356566/2	12.5	7.317766	5.0	711517.0	0.585421	Y
7	IC 410-356566/6	20.0	11.536254	5.0	510596.0	0.576813	Y
8	IC 410-356566/5	30.0	17.249991	5.0	741754.0	0.575	Y



Calibration / 2,4-Dichlorophenol

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

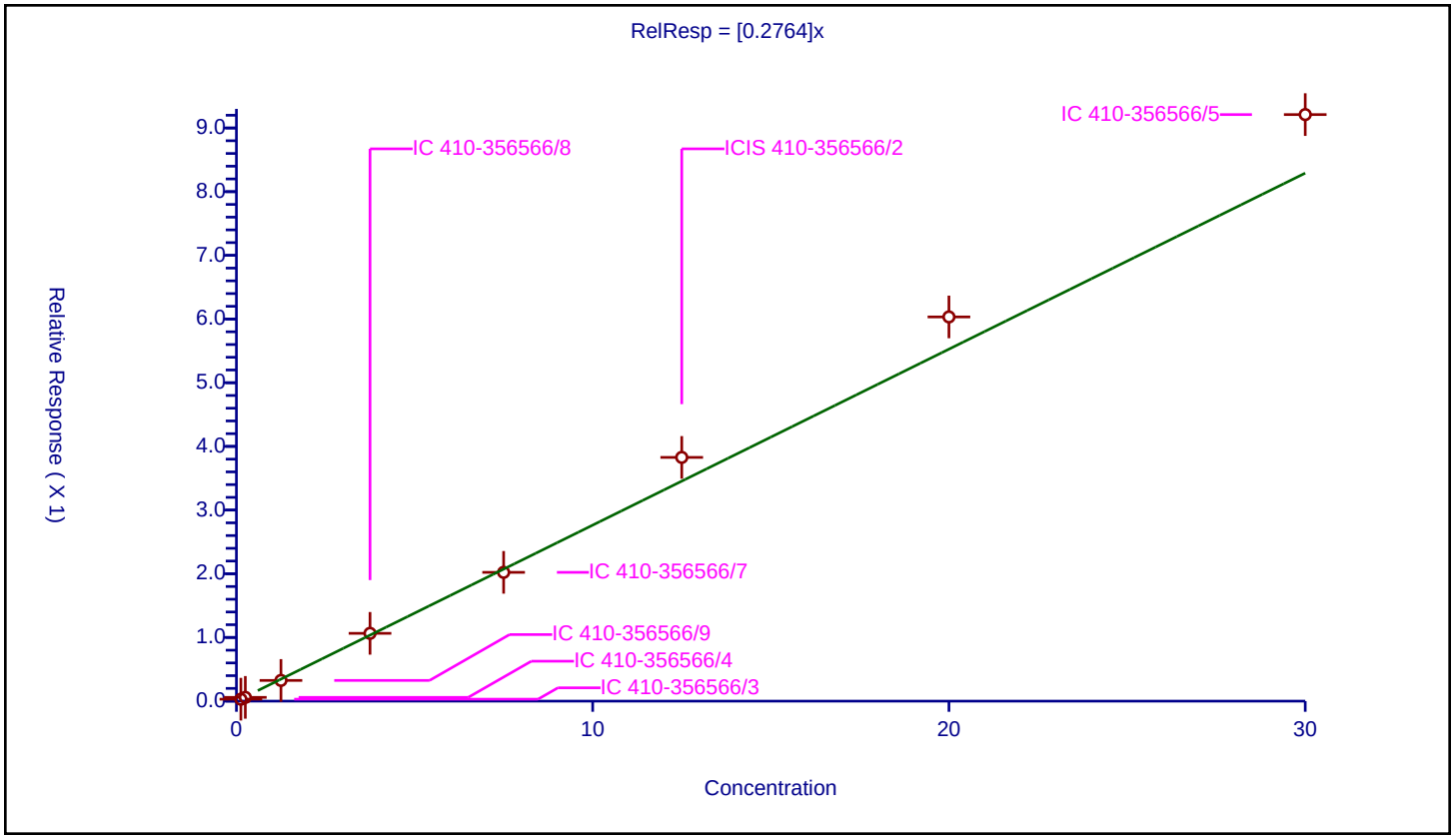
Curve Coefficients

Intercept:	0
Slope:	0.2764

Error Coefficients

Standard Error:	617000
Relative Standard Error:	10.0
Correlation Coefficient:	0.961
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.030723	5.0	495556.0	0.245785	Y
2	IC 410-356566/4	0.25	0.05914	5.0	615065.0	0.23656	Y
3	IC 410-356566/9	1.25	0.325309	5.0	494483.0	0.260248	Y
4	IC 410-356566/8	3.75	1.064483	5.0	698743.0	0.283862	Y
5	IC 410-356566/7	7.5	2.022178	5.0	758269.0	0.269624	Y
6	ICIS 410-356566/2	12.5	3.827477	5.0	711517.0	0.306198	Y
7	IC 410-356566/6	20.0	6.033234	5.0	510596.0	0.301662	Y
8	IC 410-356566/5	30.0	9.210527	5.0	741754.0	0.307018	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

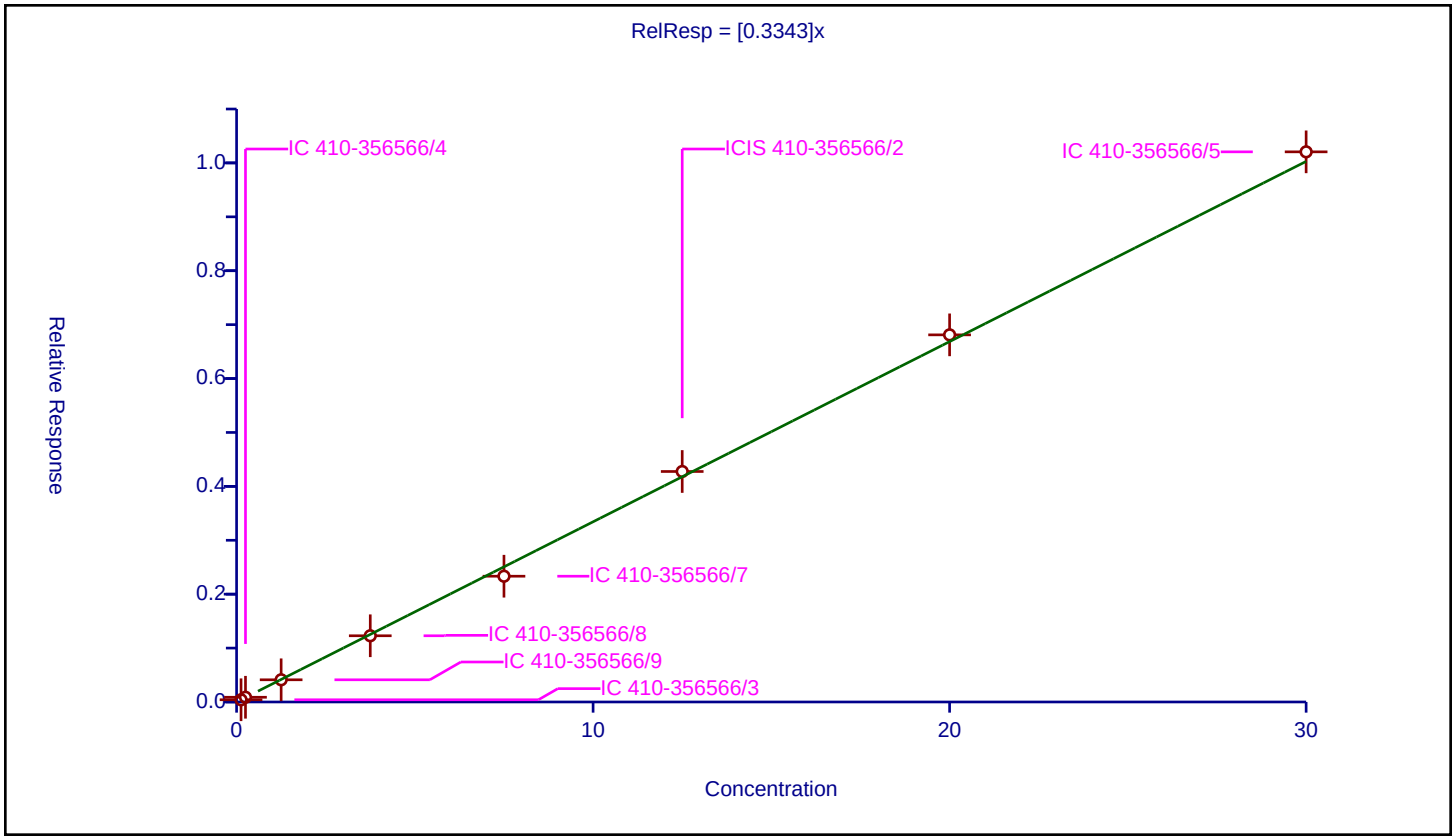
Curve Coefficients

Intercept:	0
Slope:	0.3343

Error Coefficients

Standard Error:	687000
Relative Standard Error:	3.6
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.041479	5.0	495556.0	0.331829	Y
2	IC 410-356566/4	0.25	0.08782	5.0	615065.0	0.35128	Y
3	IC 410-356566/9	1.25	0.411976	5.0	494483.0	0.329581	Y
4	IC 410-356566/8	3.75	1.228406	5.0	698743.0	0.327575	Y
5	IC 410-356566/7	7.5	2.333209	5.0	758269.0	0.311095	Y
6	ICIS 410-356566/2	12.5	4.275681	5.0	711517.0	0.342055	Y
7	IC 410-356566/6	20.0	6.810649	5.0	510596.0	0.340532	Y
8	IC 410-356566/5	30.0	10.205472	5.0	741754.0	0.340182	Y



Calibration / Naphthalene

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

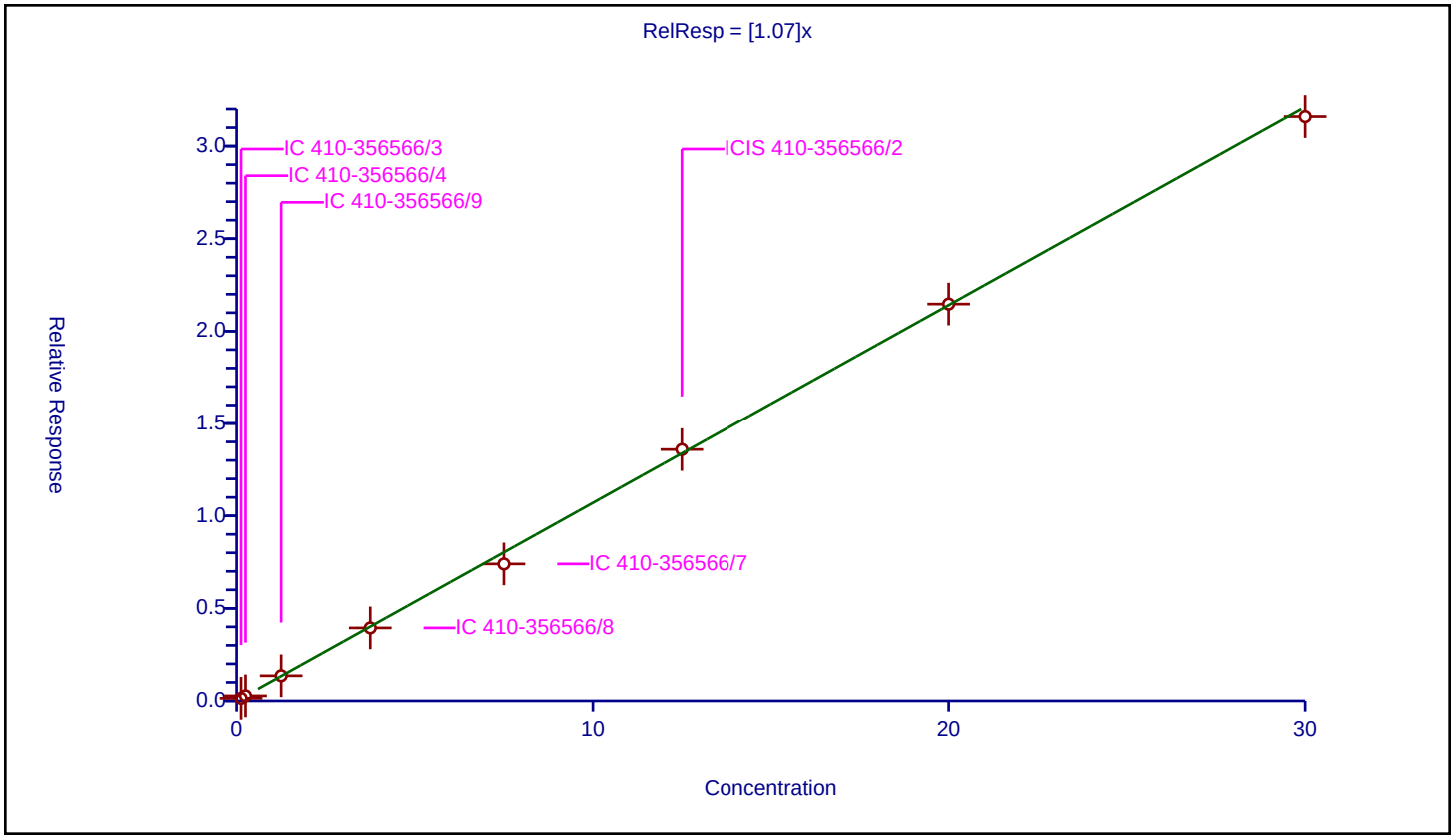
Curve Coefficients

Intercept:	0
Slope:	1.07

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	4.0
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.14171	5.0	495556.0	1.133676	Y
2	IC 410-356566/4	0.25	0.273345	5.0	615065.0	1.09338	Y
3	IC 410-356566/9	1.25	1.35584	5.0	494483.0	1.084672	Y
4	IC 410-356566/8	3.75	3.943739	5.0	698743.0	1.051664	Y
5	IC 410-356566/7	7.5	7.400243	5.0	758269.0	0.986699	Y
6	ICIS 410-356566/2	12.5	13.590315	5.0	711517.0	1.087225	Y
7	IC 410-356566/6	20.0	21.46896	5.0	510596.0	1.073448	Y
8	IC 410-356566/5	30.0	31.593466	5.0	741754.0	1.053116	Y



Calibration / Alpha-Terpineol

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

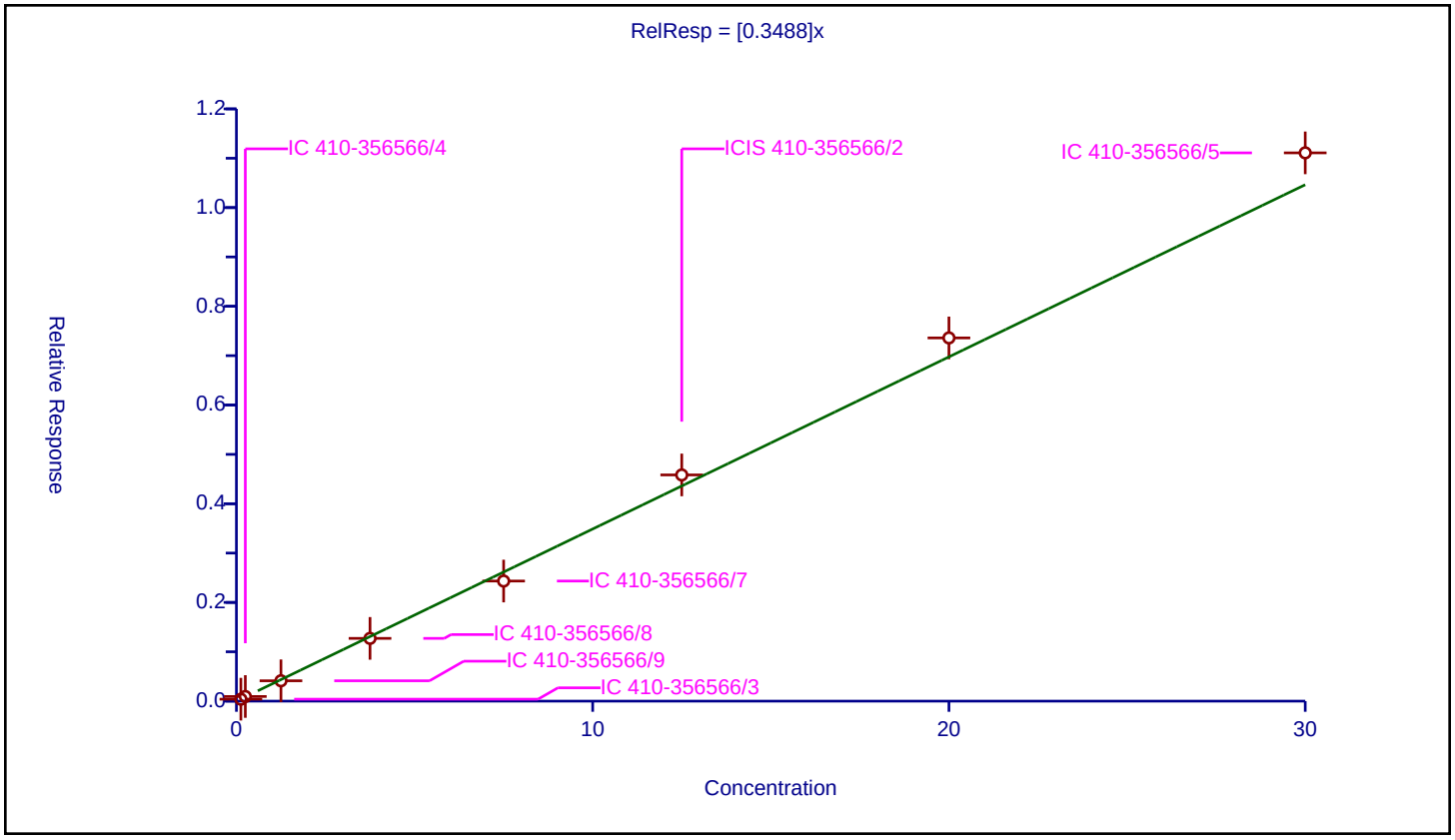
Curve Coefficients

Intercept:	0
Slope:	0.3488

Error Coefficients

Standard Error:	744000
Relative Standard Error:	6.9
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.039451	5.0	495556.0	0.315605	Y
2	IC 410-356566/4	0.25	0.094014	5.0	615065.0	0.376058	Y
3	IC 410-356566/9	1.25	0.412562	5.0	494483.0	0.33005	Y
4	IC 410-356566/8	3.75	1.271612	5.0	698743.0	0.339097	Y
5	IC 410-356566/7	7.5	2.433312	5.0	758269.0	0.324442	Y
6	ICIS 410-356566/2	12.5	4.583271	5.0	711517.0	0.366662	Y
7	IC 410-356566/6	20.0	7.359733	5.0	510596.0	0.367987	Y
8	IC 410-356566/5	30.0	11.109162	5.0	741754.0	0.370305	Y



Calibration / 4-Chloroaniline

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

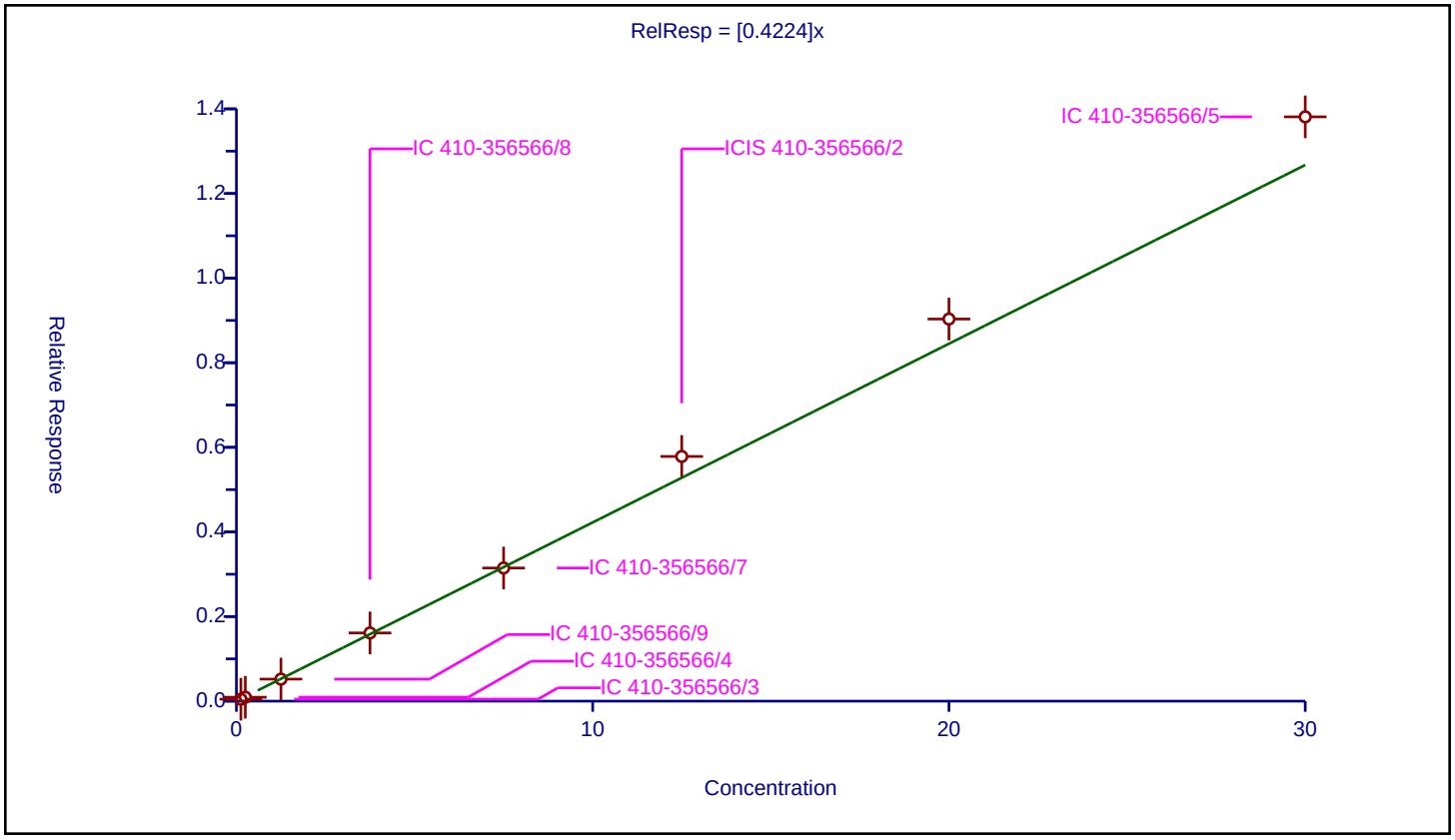
Curve Coefficients

Intercept:	0
Slope:	0.4224

Error Coefficients

Standard Error:	926000
Relative Standard Error:	8.8
Correlation Coefficient:	0.960
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.04608	5.0	495556.0	0.368636	Y
2	IC 410-356566/4	0.25	0.092462	5.0	615065.0	0.369847	Y
3	IC 410-356566/9	1.25	0.520675	5.0	494483.0	0.41654	Y
4	IC 410-356566/8	3.75	1.612775	5.0	698743.0	0.430073	Y
5	IC 410-356566/7	7.5	3.147702	5.0	758269.0	0.419694	Y
6	ICIS 410-356566/2	12.5	5.78424	5.0	711517.0	0.462739	Y
7	IC 410-356566/6	20.0	9.03266	5.0	510596.0	0.451633	Y
8	IC 410-356566/5	30.0	13.811978	5.0	741754.0	0.460399	Y



Calibration / 2,6-Dichlorophenol

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

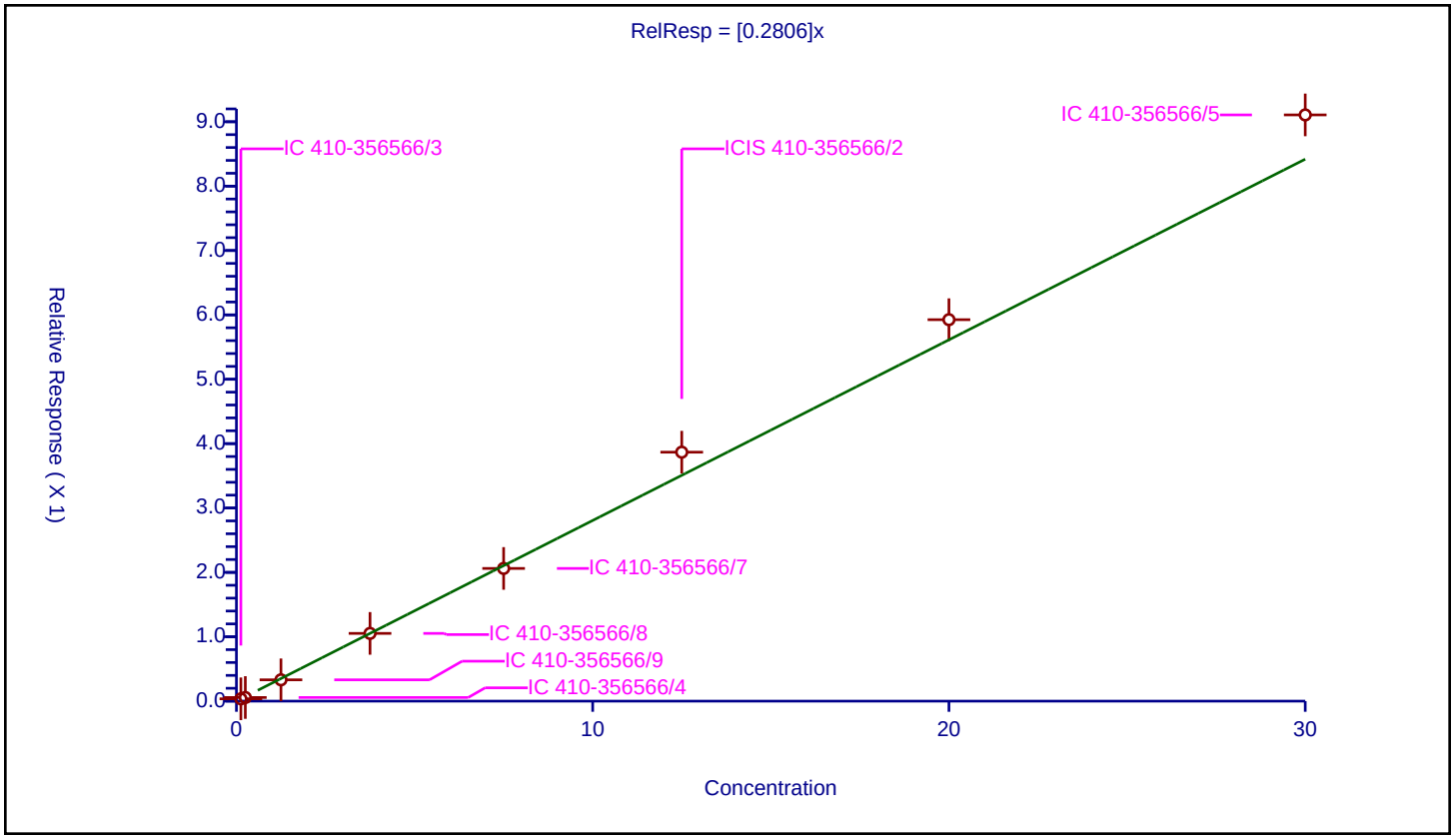
Curve Coefficients

Intercept:	0
Slope:	0.2806

Error Coefficients

Standard Error:	611000
Relative Standard Error:	9.5
Correlation Coefficient:	0.959
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.036212	5.0	495556.0	0.289695	Y
2	IC 410-356566/4	0.25	0.056466	5.0	615065.0	0.225862	Y
3	IC 410-356566/9	1.25	0.331073	5.0	494483.0	0.264858	Y
4	IC 410-356566/8	3.75	1.052161	5.0	698743.0	0.280576	Y
5	IC 410-356566/7	7.5	2.061465	5.0	758269.0	0.274862	Y
6	ICIS 410-356566/2	12.5	3.867343	5.0	711517.0	0.309387	Y
7	IC 410-356566/6	20.0	5.925654	5.0	510596.0	0.296283	Y
8	IC 410-356566/5	30.0	9.106301	5.0	741754.0	0.303543	Y



Calibration / Hexachloropropene

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

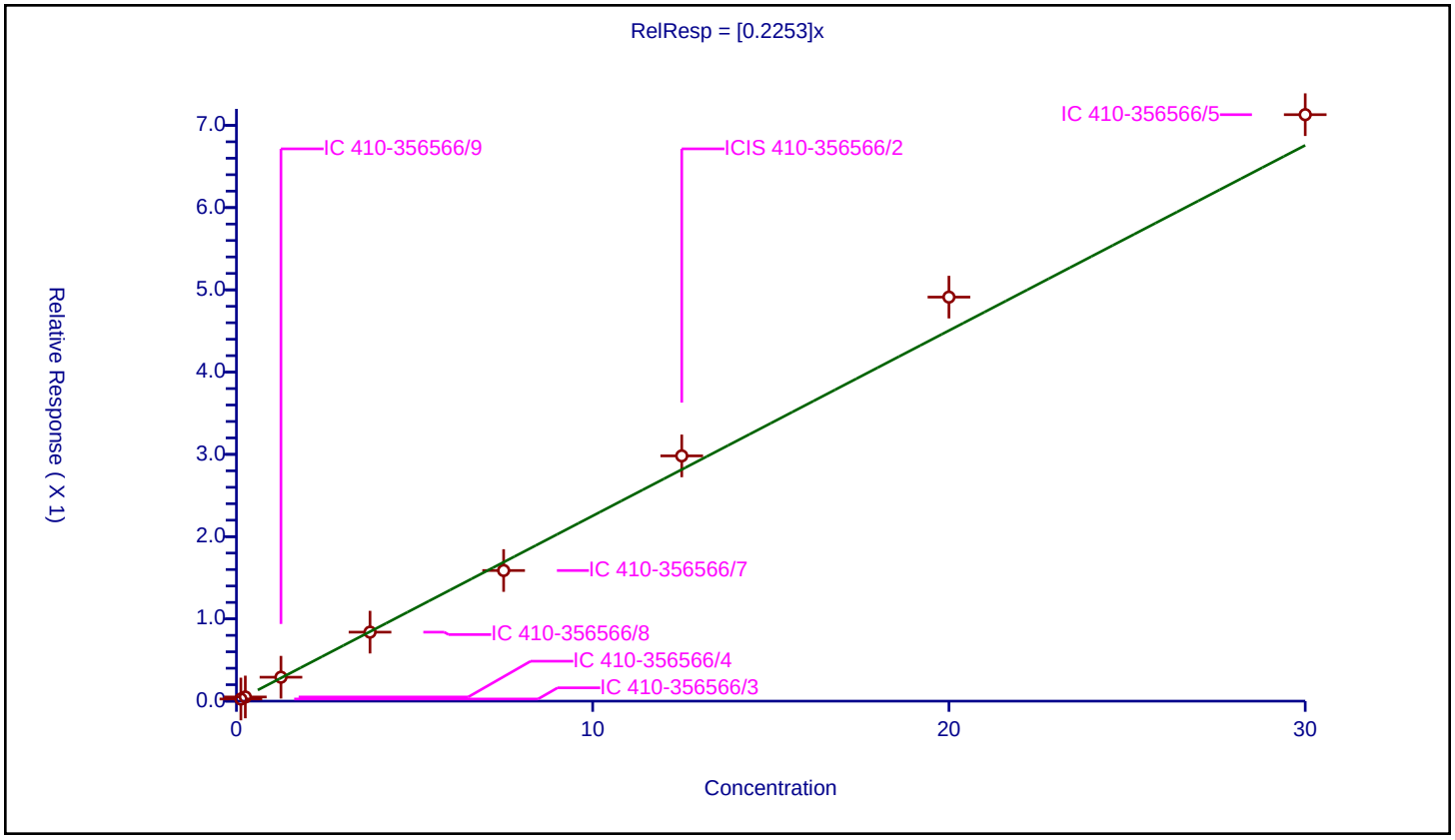
Curve Coefficients

Intercept:	0
Slope:	0.2253

Error Coefficients

Standard Error:	482000
Relative Standard Error:	7.0
Correlation Coefficient:	0.969
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.026112	5.0	495556.0	0.208897	Y
2	IC 410-356566/4	0.25	0.050767	5.0	615065.0	0.203068	Y
3	IC 410-356566/9	1.25	0.291021	5.0	494483.0	0.232817	Y
4	IC 410-356566/8	3.75	0.838935	5.0	698743.0	0.223716	Y
5	IC 410-356566/7	7.5	1.58788	5.0	758269.0	0.211717	Y
6	ICIS 410-356566/2	12.5	2.98177	5.0	711517.0	0.238542	Y
7	IC 410-356566/6	20.0	4.91178	5.0	510596.0	0.245589	Y
8	IC 410-356566/5	30.0	7.129763	5.0	741754.0	0.237659	Y



Calibration / Hexachlorobutadiene

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

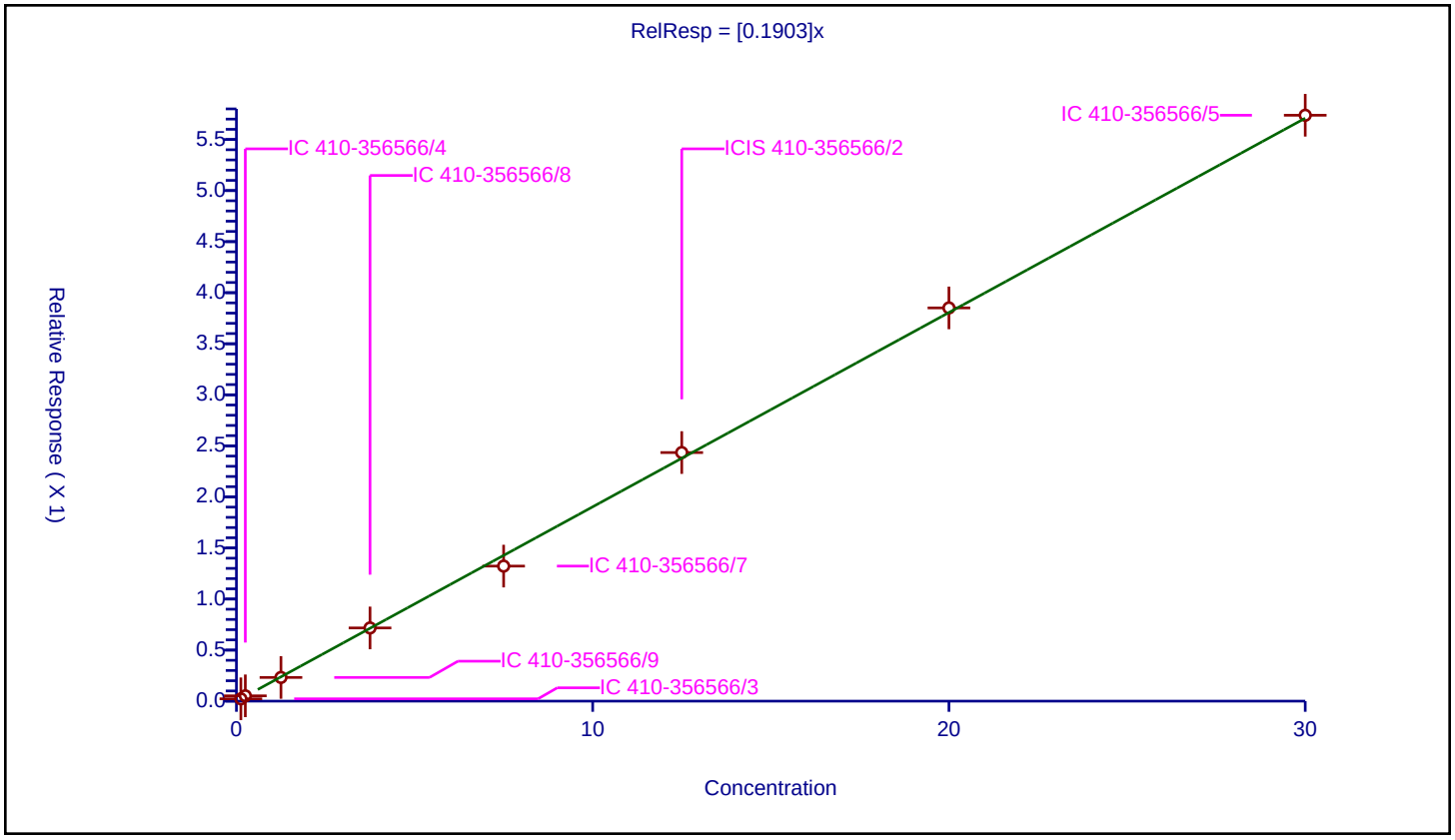
Curve Coefficients

Intercept:	0
Slope:	0.1903

Error Coefficients

Standard Error:	387000
Relative Standard Error:	4.9
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.022843	5.0	495556.0	0.182744	Y
2	IC 410-356566/4	0.25	0.051995	5.0	615065.0	0.207978	Y
3	IC 410-356566/9	1.25	0.23199	5.0	494483.0	0.185592	Y
4	IC 410-356566/8	3.75	0.716773	5.0	698743.0	0.191139	Y
5	IC 410-356566/7	7.5	1.322525	5.0	758269.0	0.176337	Y
6	ICIS 410-356566/2	12.5	2.434362	5.0	711517.0	0.194749	Y
7	IC 410-356566/6	20.0	3.851019	5.0	510596.0	0.192551	Y
8	IC 410-356566/5	30.0	5.737765	5.0	741754.0	0.191259	Y



Calibration / Quinoline

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

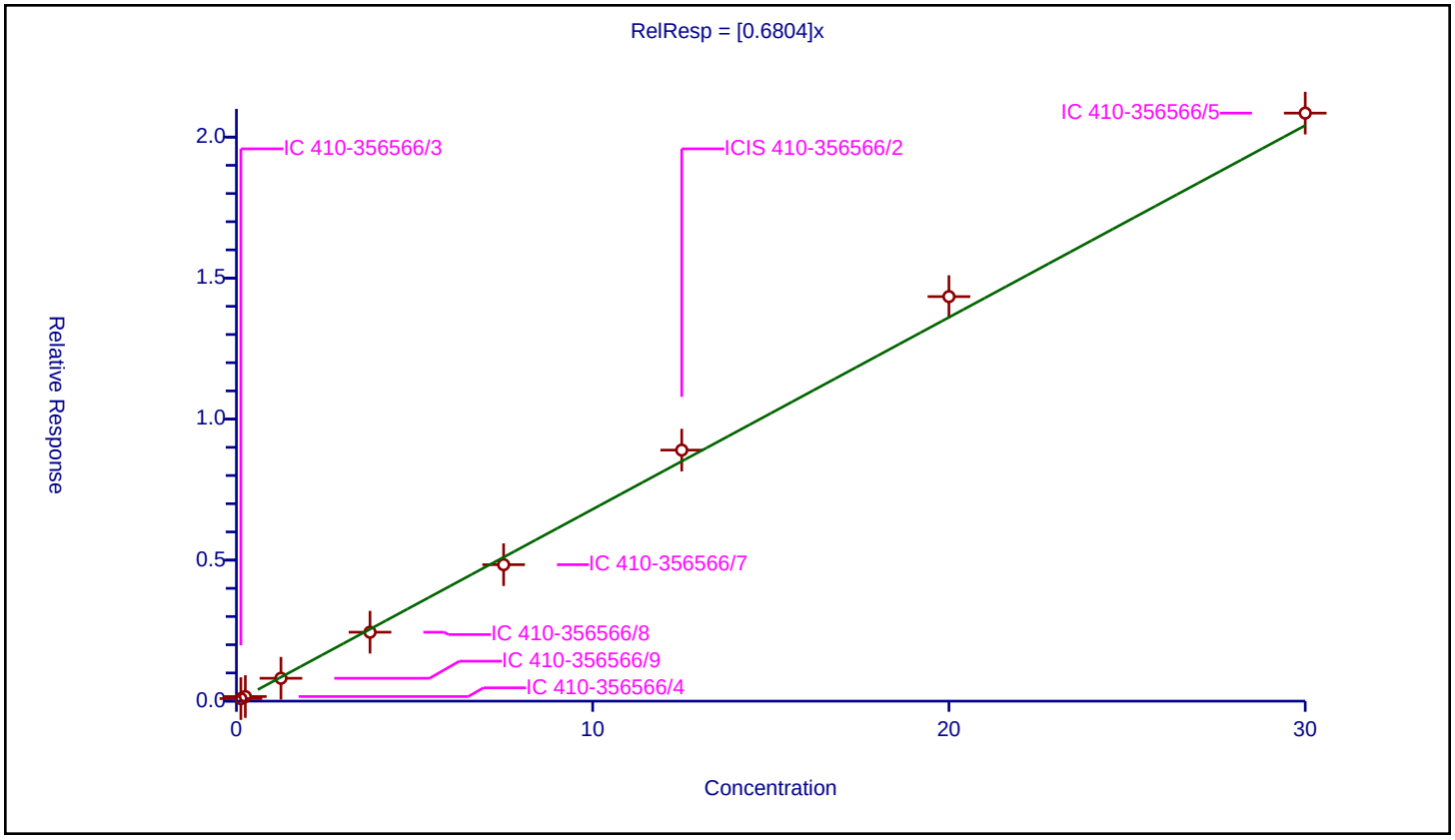
Curve Coefficients

Intercept:	0
Slope:	0.6804

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	5.0
Correlation Coefficient:	0.968
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.090242	5.0	495556.0	0.721937	Y
2	IC 410-356566/4	0.25	0.162869	5.0	615065.0	0.651476	Y
3	IC 410-356566/9	1.25	0.810988	5.0	494483.0	0.648791	Y
4	IC 410-356566/8	3.75	2.444103	5.0	698743.0	0.651761	Y
5	IC 410-356566/7	7.5	4.838679	5.0	758269.0	0.645157	Y
6	ICIS 410-356566/2	12.5	8.901368	5.0	711517.0	0.712109	Y
7	IC 410-356566/6	20.0	14.344159	5.0	510596.0	0.717208	Y
8	IC 410-356566/5	30.0	20.849985	5.0	741754.0	0.695	Y



Calibration / Caprolactam

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

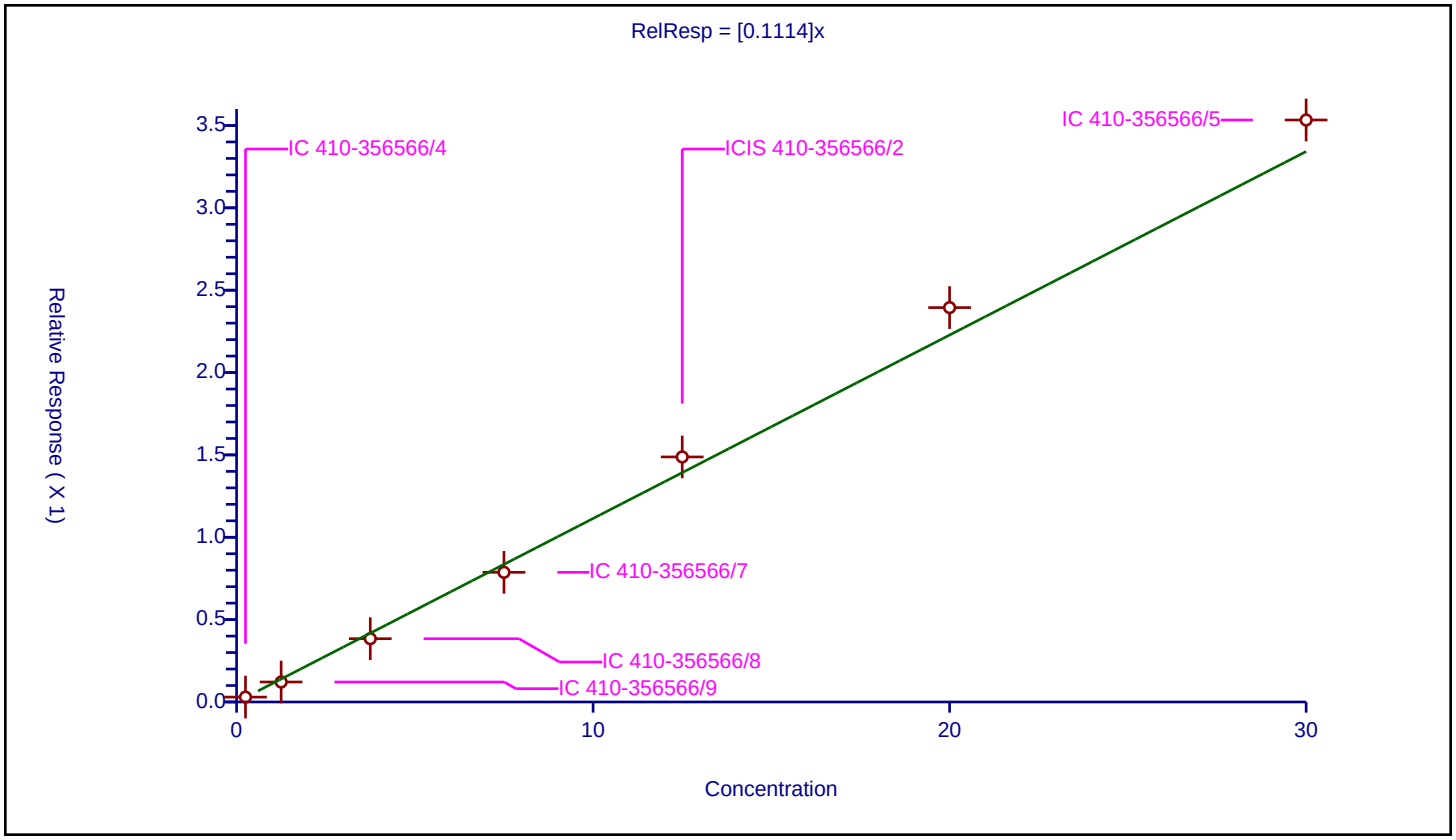
Curve Coefficients

Intercept:	0
Slope:	0.1114

Error Coefficients

Standard Error:	257000
Relative Standard Error:	8.6
Correlation Coefficient:	0.962
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/4	0.25	0.02968	5.0	615065.0	0.118719	Y
2	IC 410-356566/9	1.25	0.1214	5.0	494483.0	0.09712	Y
3	IC 410-356566/8	3.75	0.384226	5.0	698743.0	0.10246	Y
4	IC 410-356566/7	7.5	0.787161	5.0	758269.0	0.104955	Y
5	ICIS 410-356566/2	12.5	1.487772	5.0	711517.0	0.119022	Y
6	IC 410-356566/6	20.0	2.39432	5.0	510596.0	0.119716	Y
7	IC 410-356566/5	30.0	3.533335	5.0	741754.0	0.117778	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

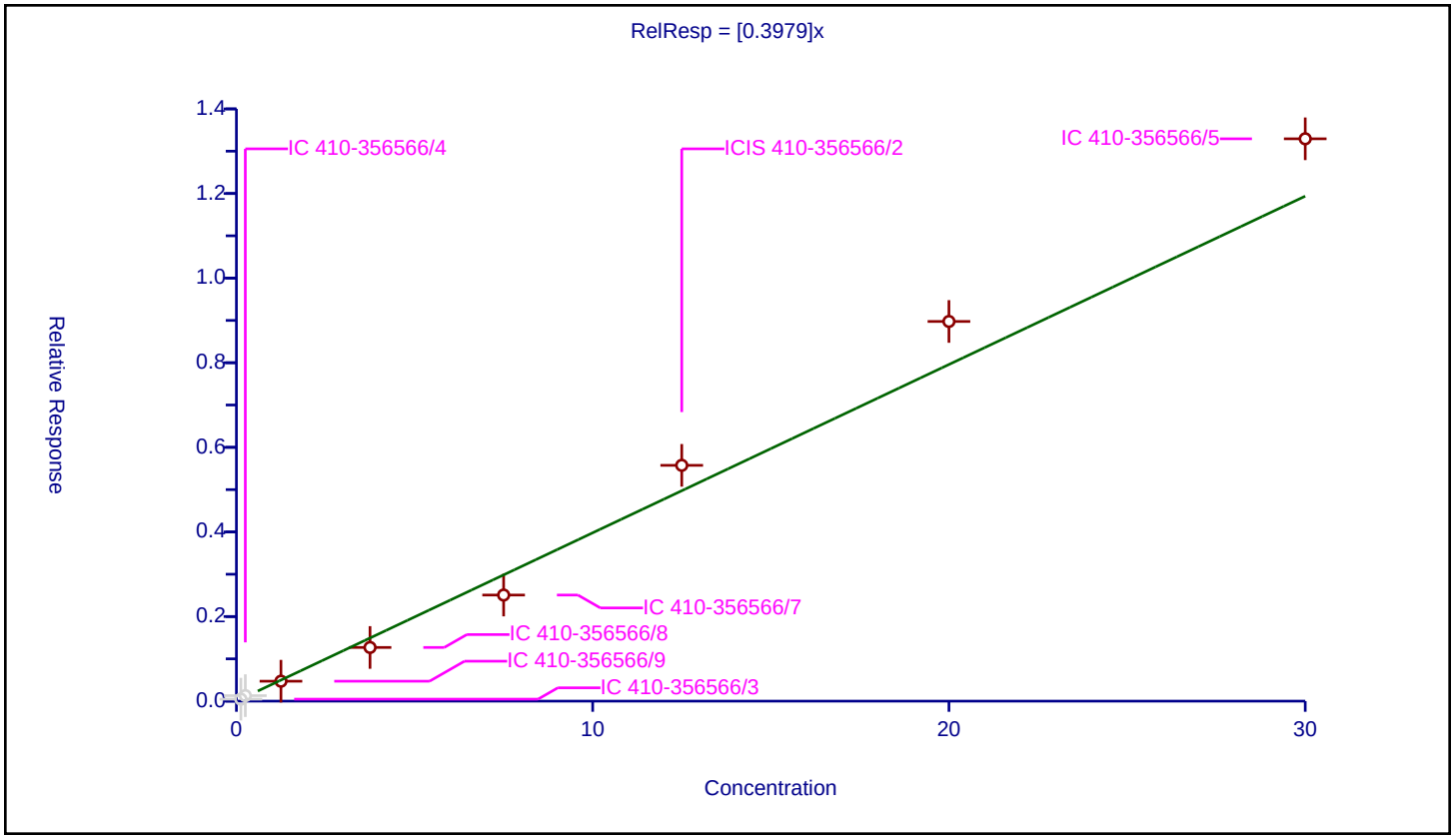
Curve Coefficients

Intercept:	0
Slope:	0.3979

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	13.7
Correlation Coefficient:	0.957
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.047058	5.0	495556.0	0.376466	N
2	IC 410-356566/4	0.25	0.129742	5.0	615065.0	0.51897	N
3	IC 410-356566/9	1.25	0.470987	5.0	494483.0	0.376789	Y
4	IC 410-356566/8	3.75	1.268921	5.0	698743.0	0.338379	Y
5	IC 410-356566/7	7.5	2.50785	5.0	758269.0	0.33438	Y
6	ICIS 410-356566/2	12.5	5.574407	5.0	711517.0	0.445953	Y
7	IC 410-356566/6	20.0	8.974894	5.0	510596.0	0.448745	Y
8	IC 410-356566/5	30.0	13.293066	5.0	741754.0	0.443102	Y



Calibration / p-Phenylene diamine

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

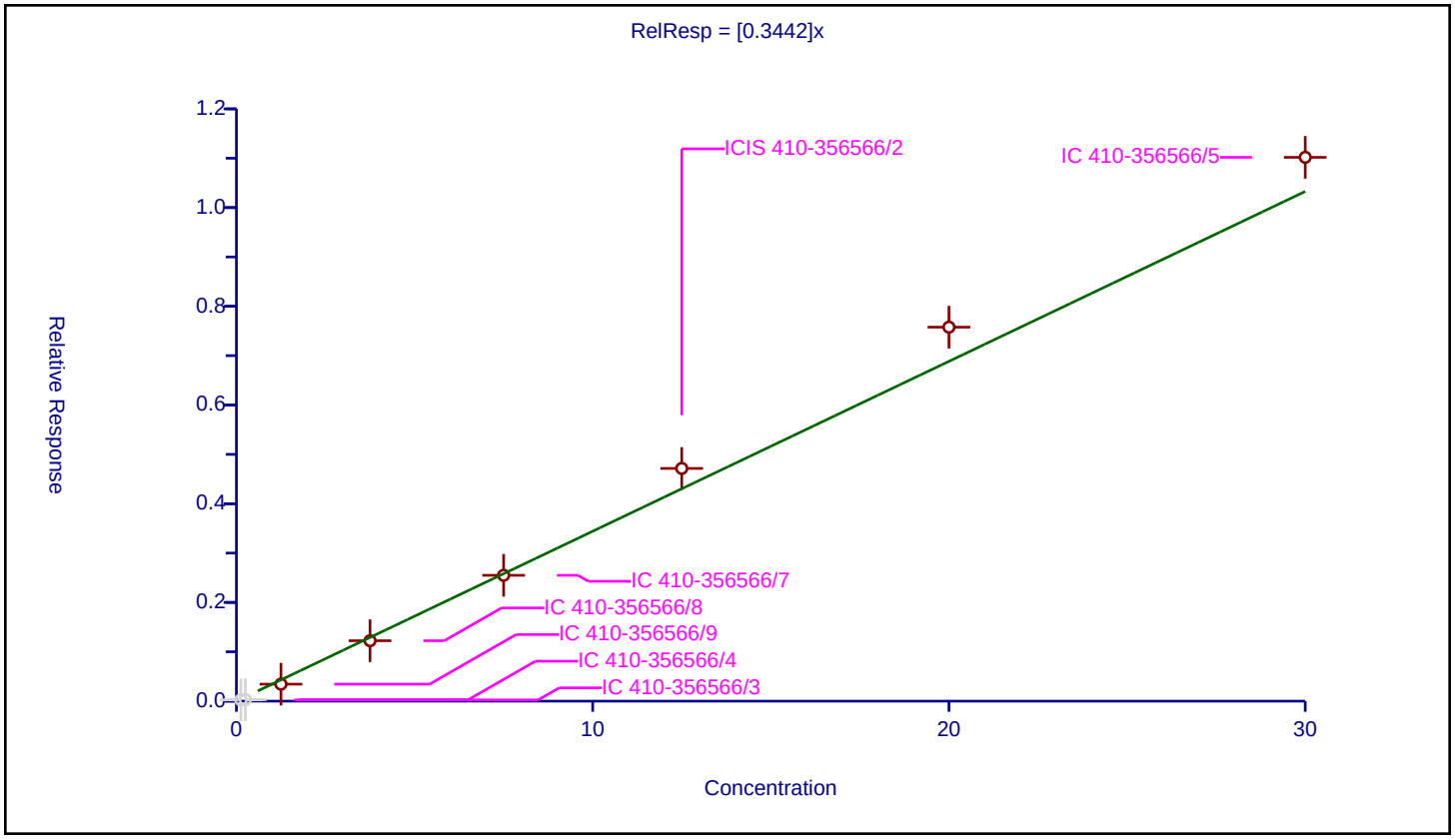
Curve Coefficients

Intercept:	0
Slope:	0.3442

Error Coefficients

Standard Error:	883000
Relative Standard Error:	11.5
Correlation Coefficient:	0.958
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.024679	5.0	495556.0	0.197435	N
2	IC 410-356566/4	0.25	0.029436	5.0	615065.0	0.117744	N
3	IC 410-356566/9	1.25	0.344501	5.0	494483.0	0.275601	Y
4	IC 410-356566/8	3.75	1.224256	5.0	698743.0	0.326468	Y
5	IC 410-356566/7	7.5	2.54959	5.0	758269.0	0.339945	Y
6	ICIS 410-356566/2	12.5	4.715474	5.0	711517.0	0.377238	Y
7	IC 410-356566/6	20.0	7.577341	5.0	510596.0	0.378867	Y
8	IC 410-356566/5	30.0	11.018383	5.0	741754.0	0.367279	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

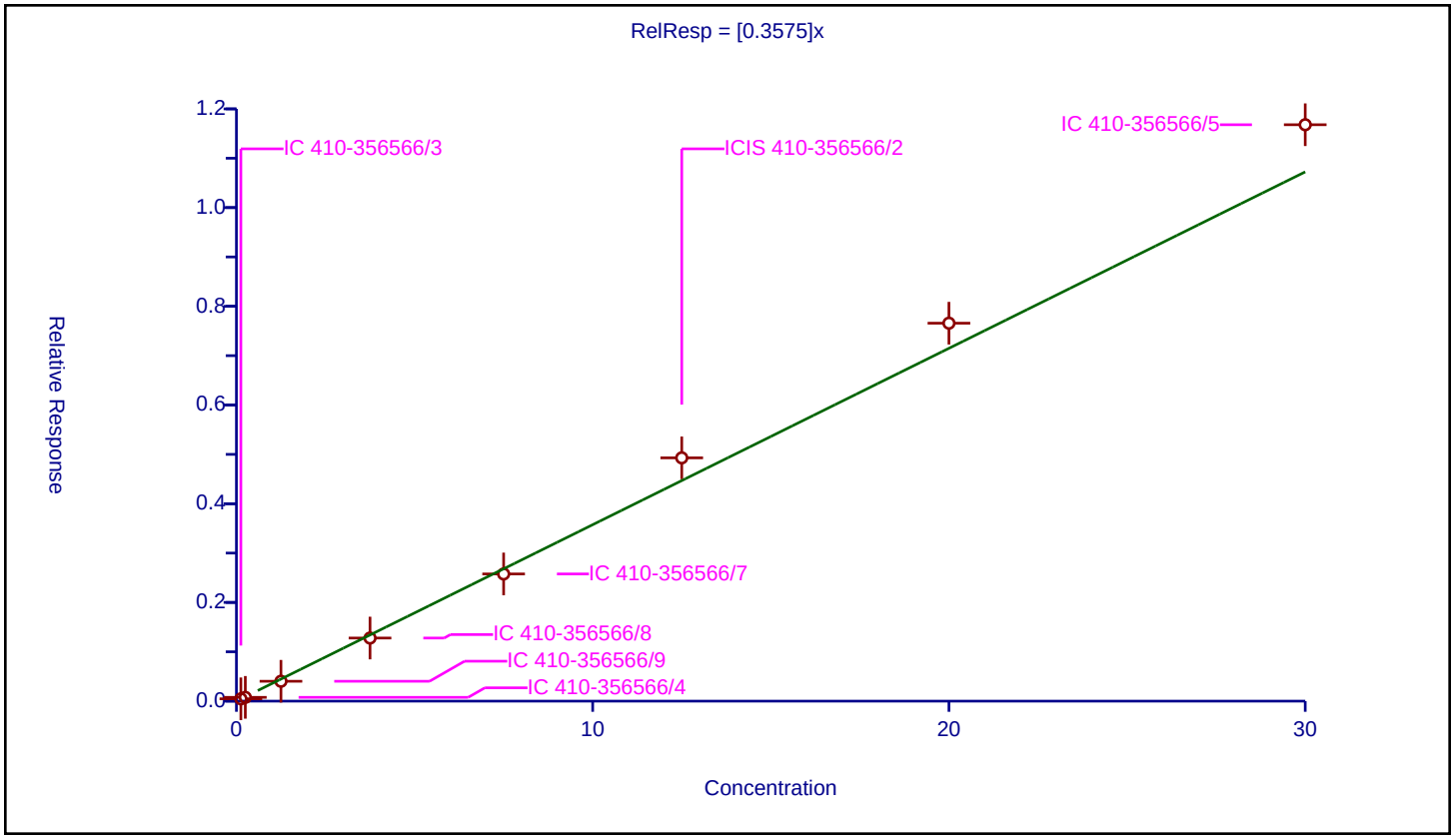
Curve Coefficients

Intercept:	0
Slope:	0.3575

Error Coefficients

Standard Error:	783000
Relative Standard Error:	9.3
Correlation Coefficient:	0.960
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.047452	5.0	495556.0	0.379614	Y
2	IC 410-356566/4	0.25	0.07674	5.0	615065.0	0.306959	Y
3	IC 410-356566/9	1.25	0.402623	5.0	494483.0	0.322098	Y
4	IC 410-356566/8	3.75	1.278439	5.0	698743.0	0.340917	Y
5	IC 410-356566/7	7.5	2.576849	5.0	758269.0	0.34358	Y
6	ICIS 410-356566/2	12.5	4.929201	5.0	711517.0	0.394336	Y
7	IC 410-356566/6	20.0	7.658139	5.0	510596.0	0.382907	Y
8	IC 410-356566/5	30.0	11.678791	5.0	741754.0	0.389293	Y



Calibration / Safrole, Total

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

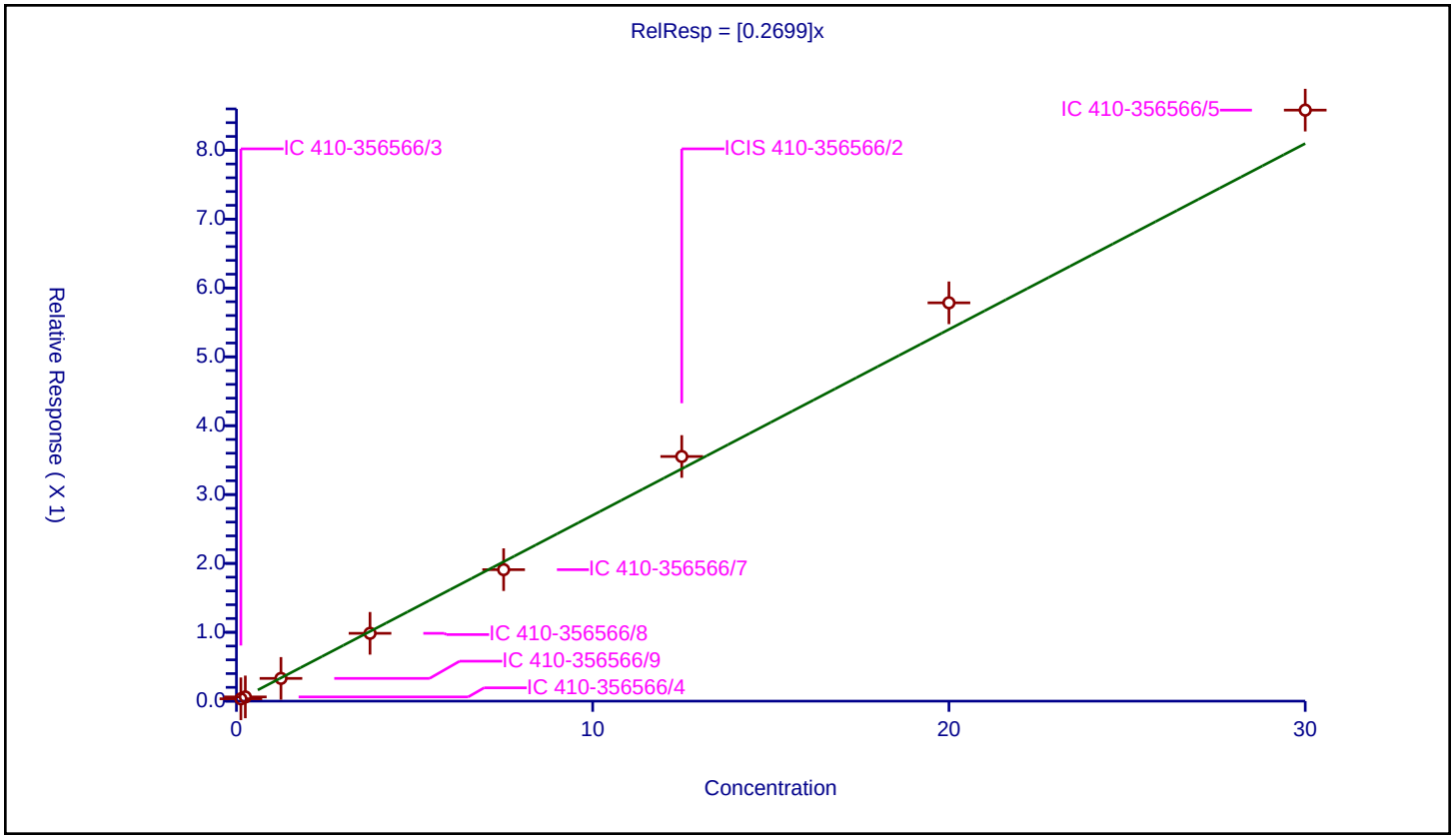
Curve Coefficients

Intercept:	0
Slope:	0.2699

Error Coefficients

Standard Error:	577000
Relative Standard Error:	5.9
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.034164	5.0	495556.0	0.273309	Y
2	IC 410-356566/4	0.25	0.061262	5.0	615065.0	0.245047	Y
3	IC 410-356566/9	1.25	0.330112	5.0	494483.0	0.26409	Y
4	IC 410-356566/8	3.75	0.984897	5.0	698743.0	0.262639	Y
5	IC 410-356566/7	7.5	1.909111	5.0	758269.0	0.254548	Y
6	ICIS 410-356566/2	12.5	3.552424	5.0	711517.0	0.284194	Y
7	IC 410-356566/6	20.0	5.784191	5.0	510596.0	0.28921	Y
8	IC 410-356566/5	30.0	8.582097	5.0	741754.0	0.28607	Y



Calibration / 2-Methylnaphthalene

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

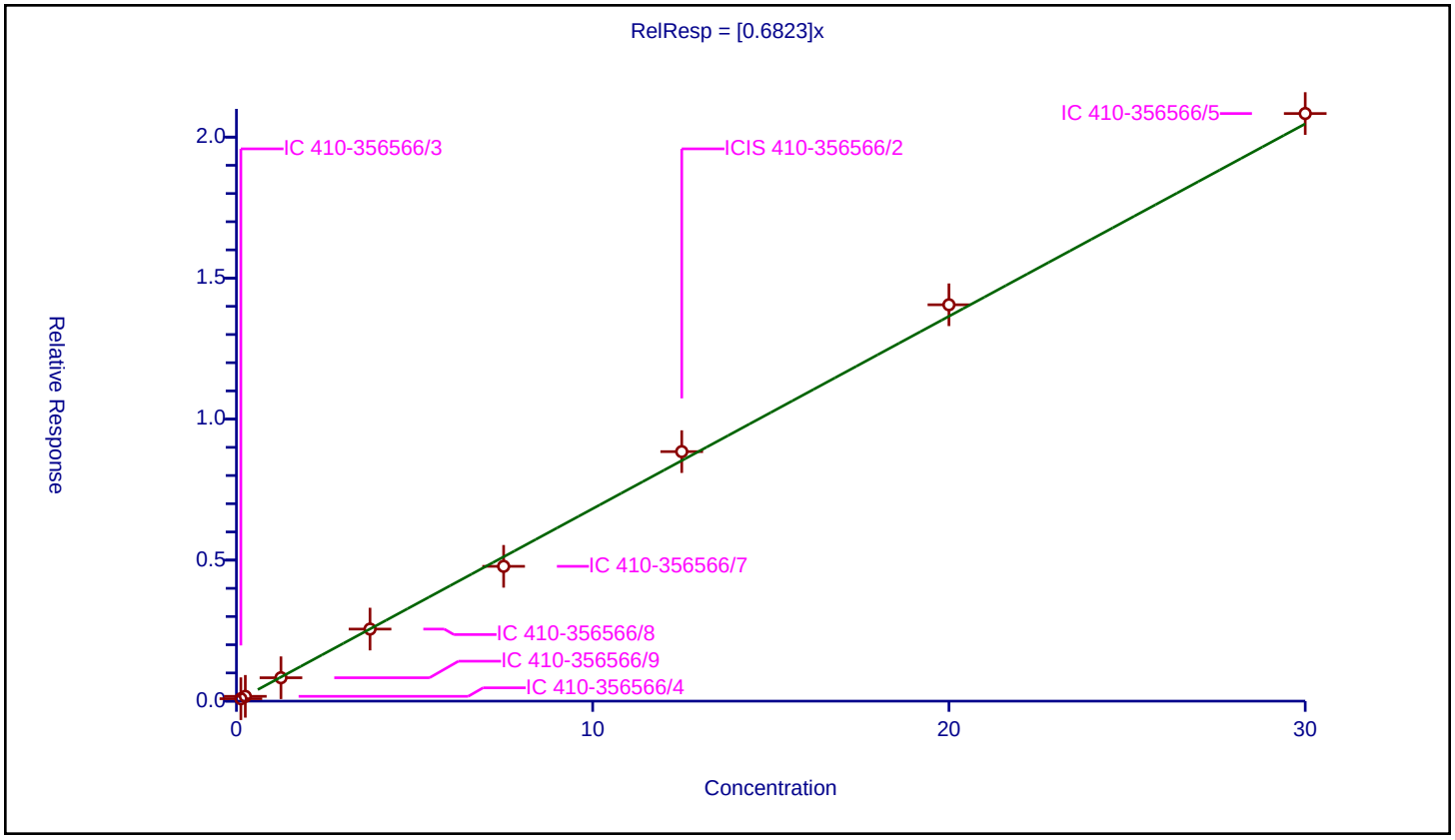
Curve Coefficients

Intercept:	0
Slope:	0.6823

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	3.3
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.086105	5.0	495556.0	0.688842	Y
2	IC 410-356566/4	0.25	0.170486	5.0	615065.0	0.681944	Y
3	IC 410-356566/9	1.25	0.830109	5.0	494483.0	0.664088	Y
4	IC 410-356566/8	3.75	2.555253	5.0	698743.0	0.681401	Y
5	IC 410-356566/7	7.5	4.780335	5.0	758269.0	0.637378	Y
6	ICIS 410-356566/2	12.5	8.847547	5.0	711517.0	0.707804	Y
7	IC 410-356566/6	20.0	14.054761	5.0	510596.0	0.702738	Y
8	IC 410-356566/5	30.0	20.835904	5.0	741754.0	0.69453	Y



Calibration / 1-Methylnaphthalene

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

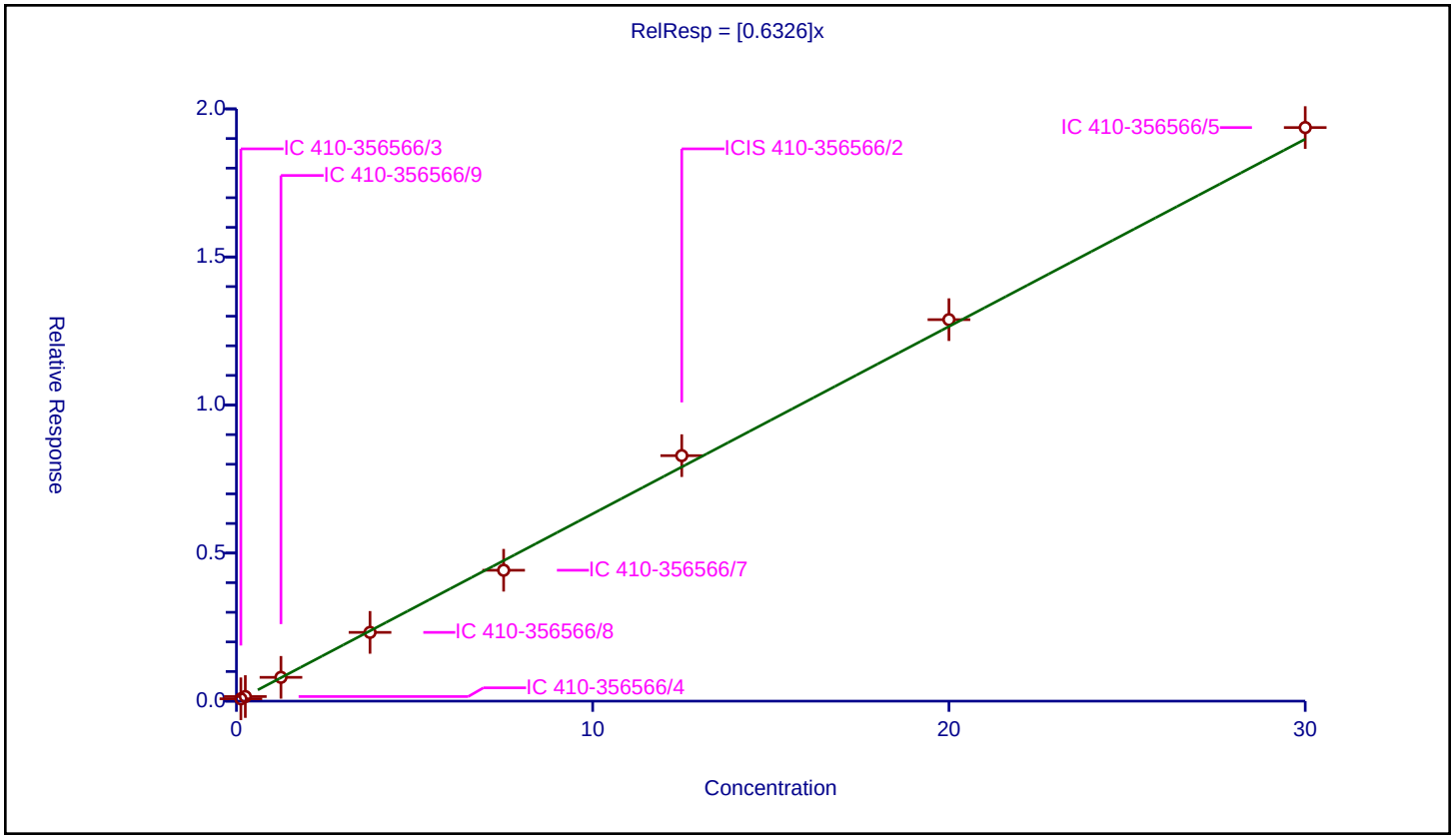
Curve Coefficients

Intercept:	0
Slope:	0.6326

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	3.5
Correlation Coefficient:	0.962
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.079355	5.0	495556.0	0.634842	Y
2	IC 410-356566/4	0.25	0.155431	5.0	615065.0	0.621723	Y
3	IC 410-356566/9	1.25	0.803749	5.0	494483.0	0.642999	Y
4	IC 410-356566/8	3.75	2.321733	5.0	698743.0	0.619129	Y
5	IC 410-356566/7	7.5	4.420107	5.0	758269.0	0.589348	Y
6	ICIS 410-356566/2	12.5	8.290153	5.0	711517.0	0.663212	Y
7	IC 410-356566/6	20.0	12.882984	5.0	510596.0	0.644149	Y
8	IC 410-356566/5	30.0	19.369906	5.0	741754.0	0.645664	Y



Calibration / Hexachlorocyclopentadiene

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

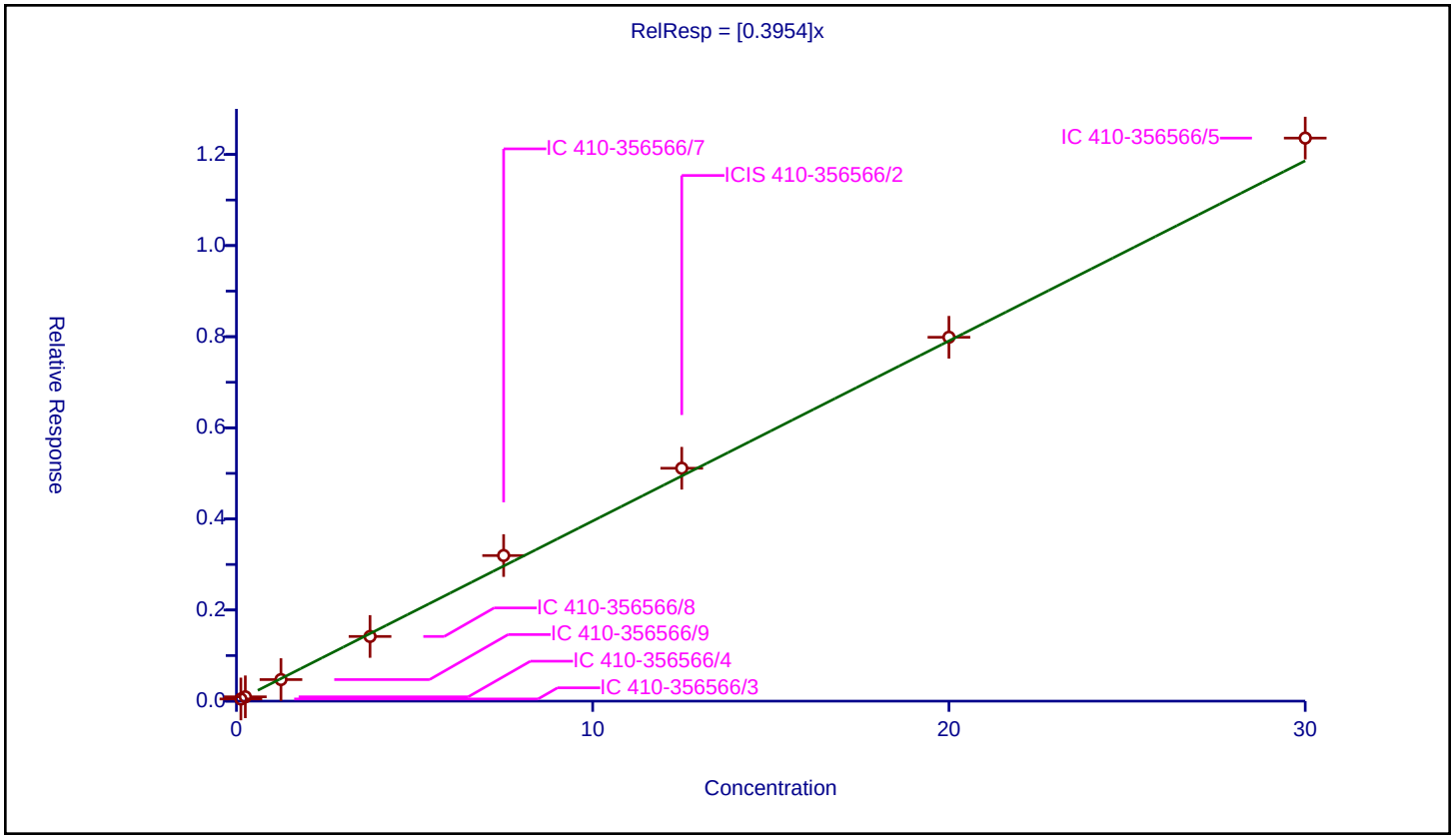
Curve Coefficients

Intercept:	0
Slope:	0.3954

Error Coefficients

Standard Error:	460000
Relative Standard Error:	4.8
Correlation Coefficient:	0.960
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.04754	5.0	271456.0	0.380319	Y
2	IC 410-356566/4	0.25	0.094776	5.0	330095.0	0.379103	Y
3	IC 410-356566/9	1.25	0.473239	5.0	266166.0	0.378591	Y
4	IC 410-356566/8	3.75	1.419664	5.0	385056.0	0.378577	Y
5	IC 410-356566/7	7.5	3.195716	5.0	359317.0	0.426095	Y
6	ICIS 410-356566/2	12.5	5.11204	5.0	394814.0	0.408963	Y
7	IC 410-356566/6	20.0	7.987455	5.0	287683.0	0.399373	Y
8	IC 410-356566/5	30.0	12.359504	5.0	413214.0	0.411983	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

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

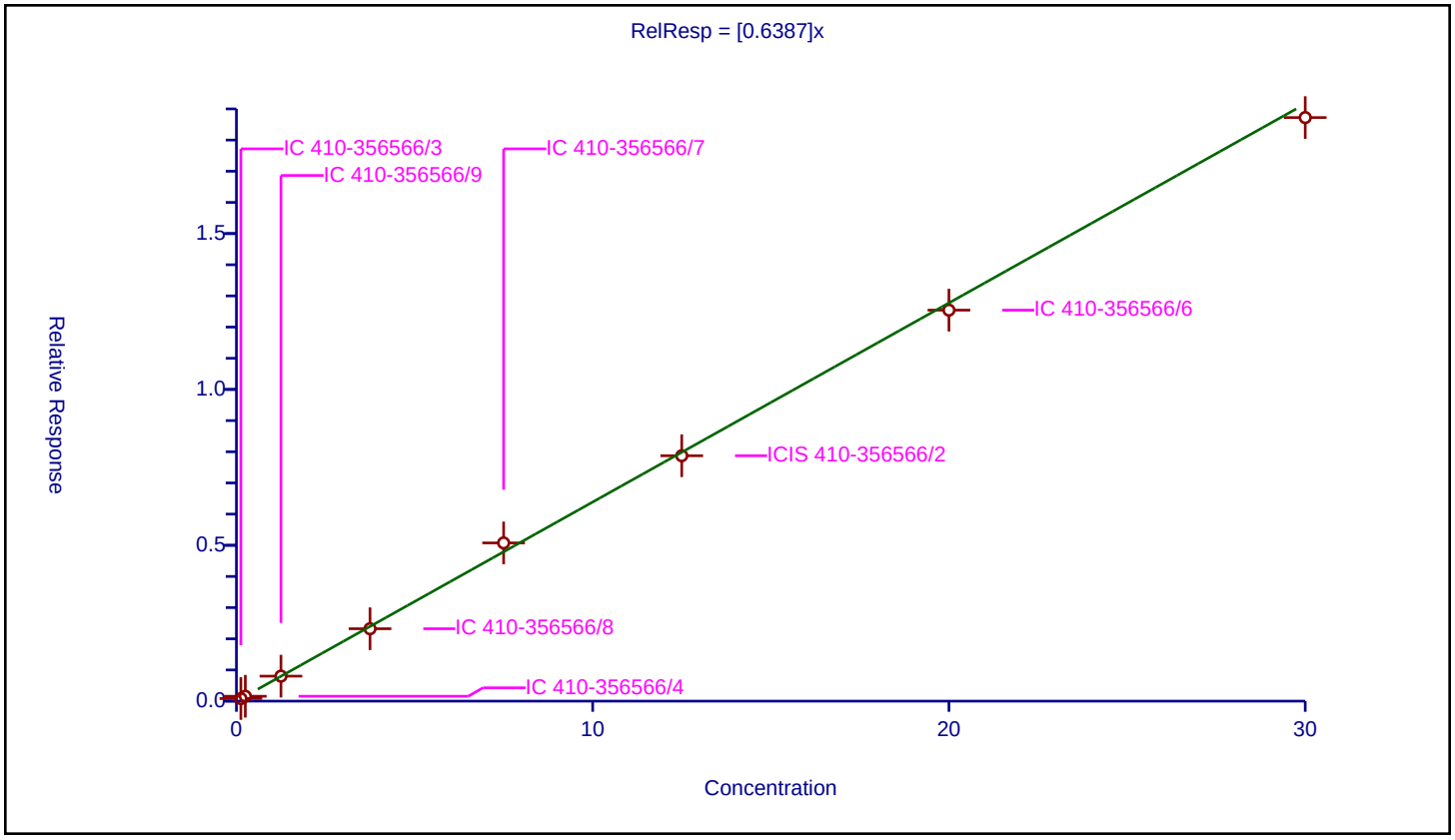
Curve Coefficients

Intercept:	0
Slope:	0.6387

Error Coefficients

Standard Error:	704000
Relative Standard Error:	3.3
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.083034	5.0	271456.0	0.66427	Y
2	IC 410-356566/4	0.25	0.156606	5.0	330095.0	0.626426	Y
3	IC 410-356566/9	1.25	0.802281	5.0	266166.0	0.641825	Y
4	IC 410-356566/8	3.75	2.322597	5.0	385056.0	0.619359	Y
5	IC 410-356566/7	7.5	5.076061	5.0	359317.0	0.676808	Y
6	ICIS 410-356566/2	12.5	7.87277	5.0	394814.0	0.629822	Y
7	IC 410-356566/6	20.0	12.543772	5.0	287683.0	0.627189	Y
8	IC 410-356566/5	30.0	18.721437	5.0	413214.0	0.624048	Y



Calibration / Isosafrole Peak 1

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

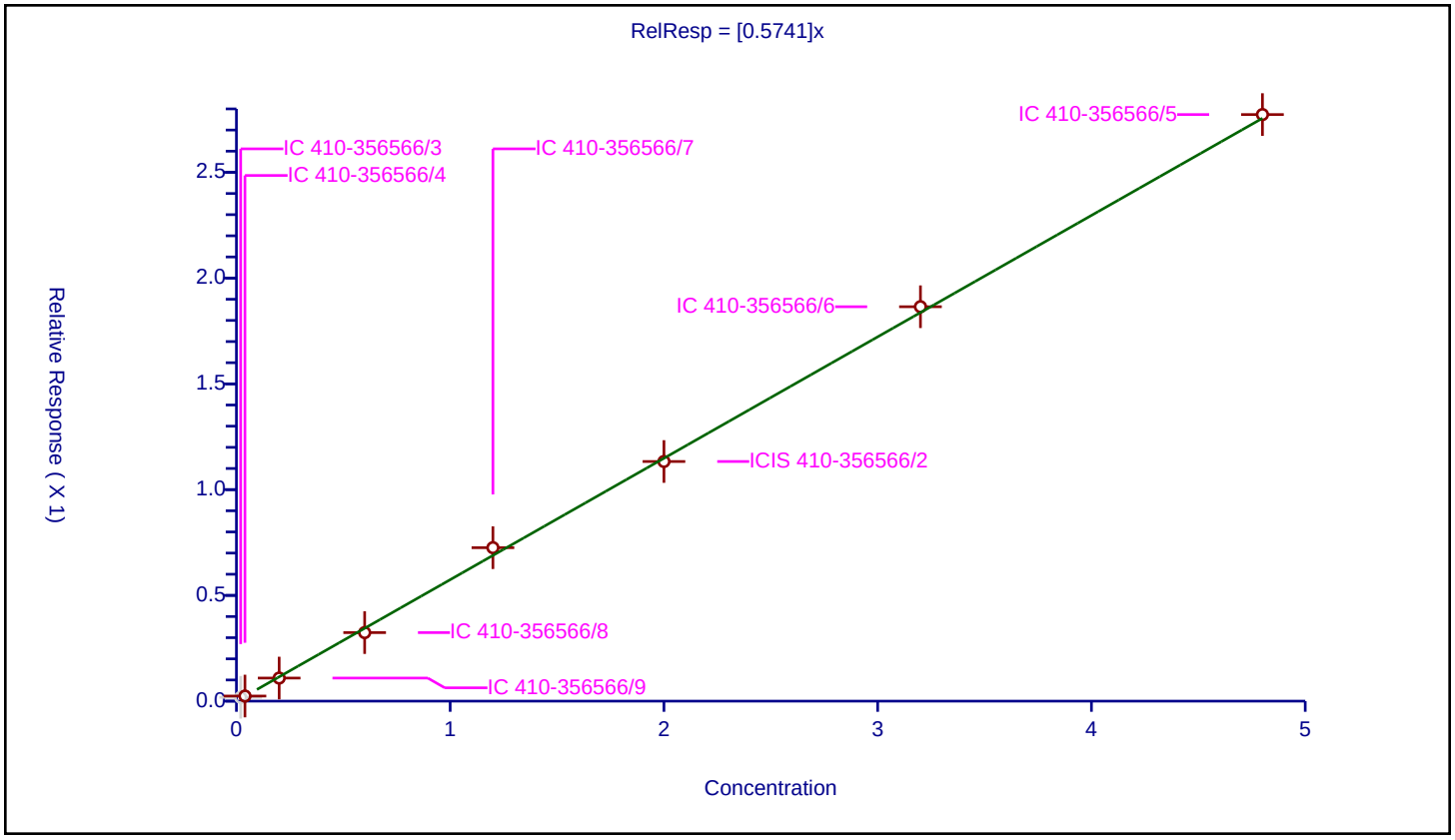
Curve Coefficients

Intercept:	0
Slope:	0.5741

Error Coefficients

Standard Error:	112000
Relative Standard Error:	4.4
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.02	0.018051	5.0	271456.0	0.90254	N
2	IC 410-356566/4	0.04	0.024069	5.0	330095.0	0.601721	Y
3	IC 410-356566/9	0.2	0.109086	5.0	266166.0	0.54543	Y
4	IC 410-356566/8	0.6	0.324031	5.0	385056.0	0.540051	Y
5	IC 410-356566/7	1.2	0.725515	5.0	359317.0	0.604596	Y
6	ICIS 410-356566/2	2.0	1.132939	5.0	394814.0	0.566469	Y
7	IC 410-356566/6	3.2	1.864726	5.0	287683.0	0.582727	Y
8	IC 410-356566/5	4.8	2.773236	5.0	413214.0	0.577758	Y



Calibration / 2,4,6-Trichlorophenol

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

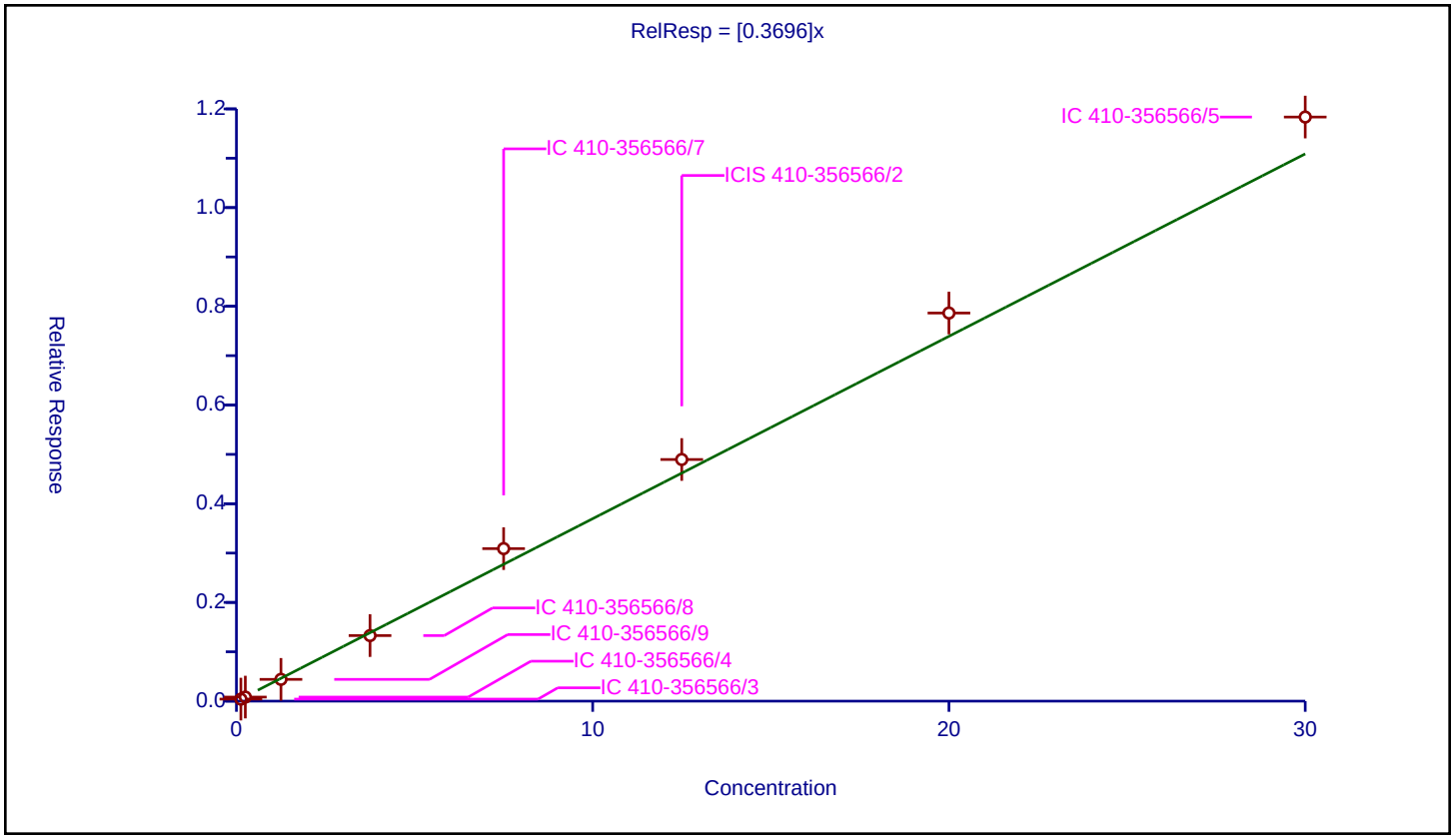
Curve Coefficients

Intercept:	0
Slope:	0.3696

Error Coefficients

Standard Error:	443000
Relative Standard Error:	8.7
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.041296	5.0	271456.0	0.330367	Y
2	IC 410-356566/4	0.25	0.082067	5.0	330095.0	0.328269	Y
3	IC 410-356566/9	1.25	0.440928	5.0	266166.0	0.352742	Y
4	IC 410-356566/8	3.75	1.328248	5.0	385056.0	0.3542	Y
5	IC 410-356566/7	7.5	3.090154	5.0	359317.0	0.412021	Y
6	ICIS 410-356566/2	12.5	4.895976	5.0	394814.0	0.391678	Y
7	IC 410-356566/6	20.0	7.86343	5.0	287683.0	0.393171	Y
8	IC 410-356566/5	30.0	11.834897	5.0	413214.0	0.394497	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

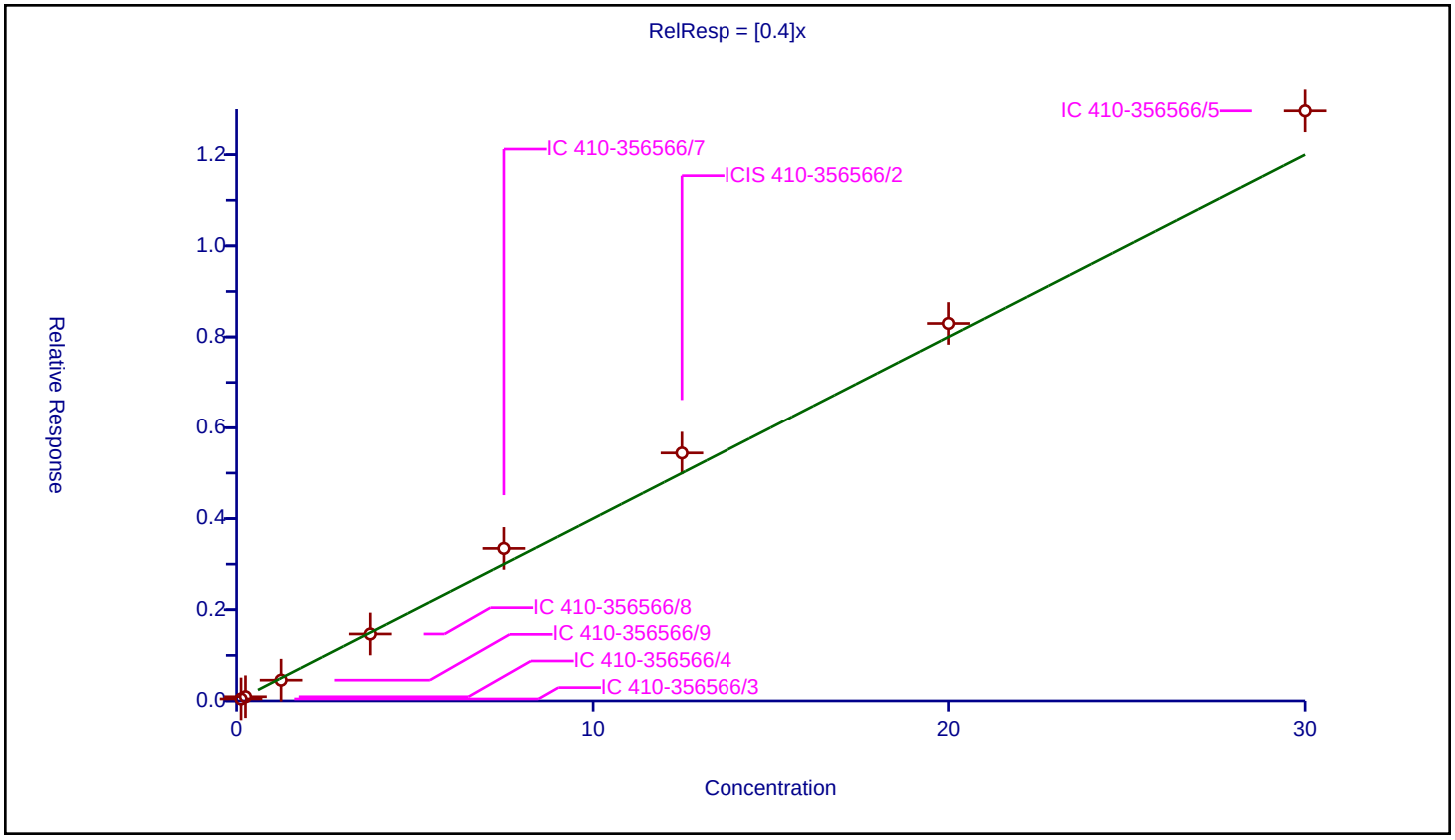
Curve Coefficients

Intercept:	0
Slope:	0.4

Error Coefficients

Standard Error:	483000
Relative Standard Error:	9.3
Correlation Coefficient:	0.958
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.043322	5.0	271456.0	0.346576	Y
2	IC 410-356566/4	0.25	0.09217	5.0	330095.0	0.368682	Y
3	IC 410-356566/9	1.25	0.455881	5.0	266166.0	0.364705	Y
4	IC 410-356566/8	3.75	1.469708	5.0	385056.0	0.391922	Y
5	IC 410-356566/7	7.5	3.345416	5.0	359317.0	0.446056	Y
6	ICIS 410-356566/2	12.5	5.442398	5.0	394814.0	0.435392	Y
7	IC 410-356566/6	20.0	8.297345	5.0	287683.0	0.414867	Y
8	IC 410-356566/5	30.0	12.962714	5.0	413214.0	0.43209	Y



Calibration / 2-Fluorobiphenyl (Surr)

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

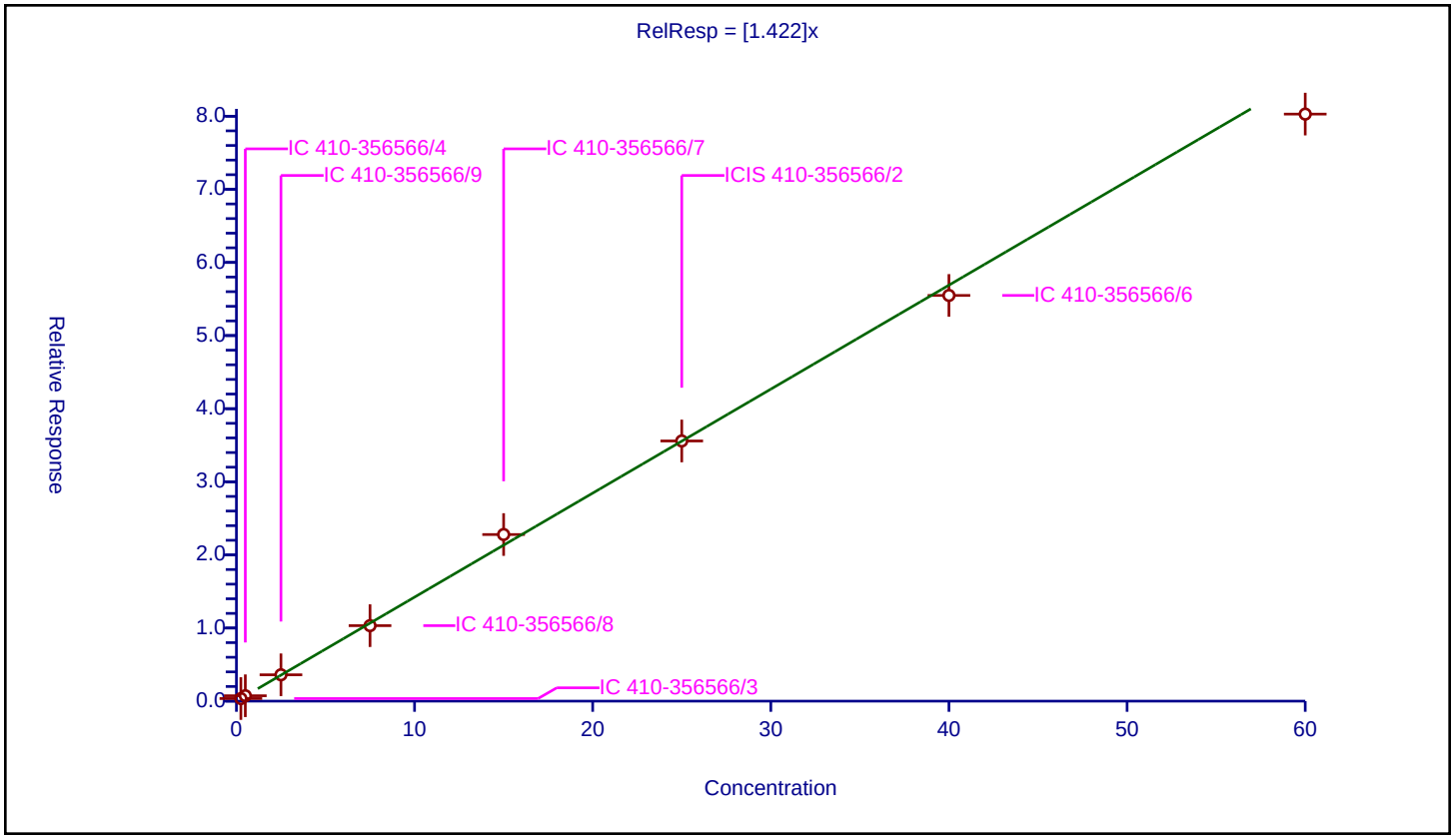
Curve Coefficients

Intercept:	0
Slope:	1.422

Error Coefficients

Standard Error:	3060000
Relative Standard Error:	4.0
Correlation Coefficient:	0.969
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.25	0.353851	5.0	271456.0	1.415404	Y
2	IC 410-356566/4	0.5	0.738575	5.0	330095.0	1.477151	Y
3	IC 410-356566/9	2.5	3.605551	5.0	266166.0	1.44222	Y
4	IC 410-356566/8	7.5	10.323563	5.0	385056.0	1.376475	Y
5	IC 410-356566/7	15.0	22.785173	5.0	359317.0	1.519012	Y
6	ICIS 410-356566/2	25.0	35.583427	5.0	394814.0	1.423337	Y
7	IC 410-356566/6	40.0	55.486351	5.0	287683.0	1.387159	Y
8	IC 410-356566/5	60.0	80.289463	5.0	413214.0	1.338158	Y



Calibration / Isosafrole Peak 2

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

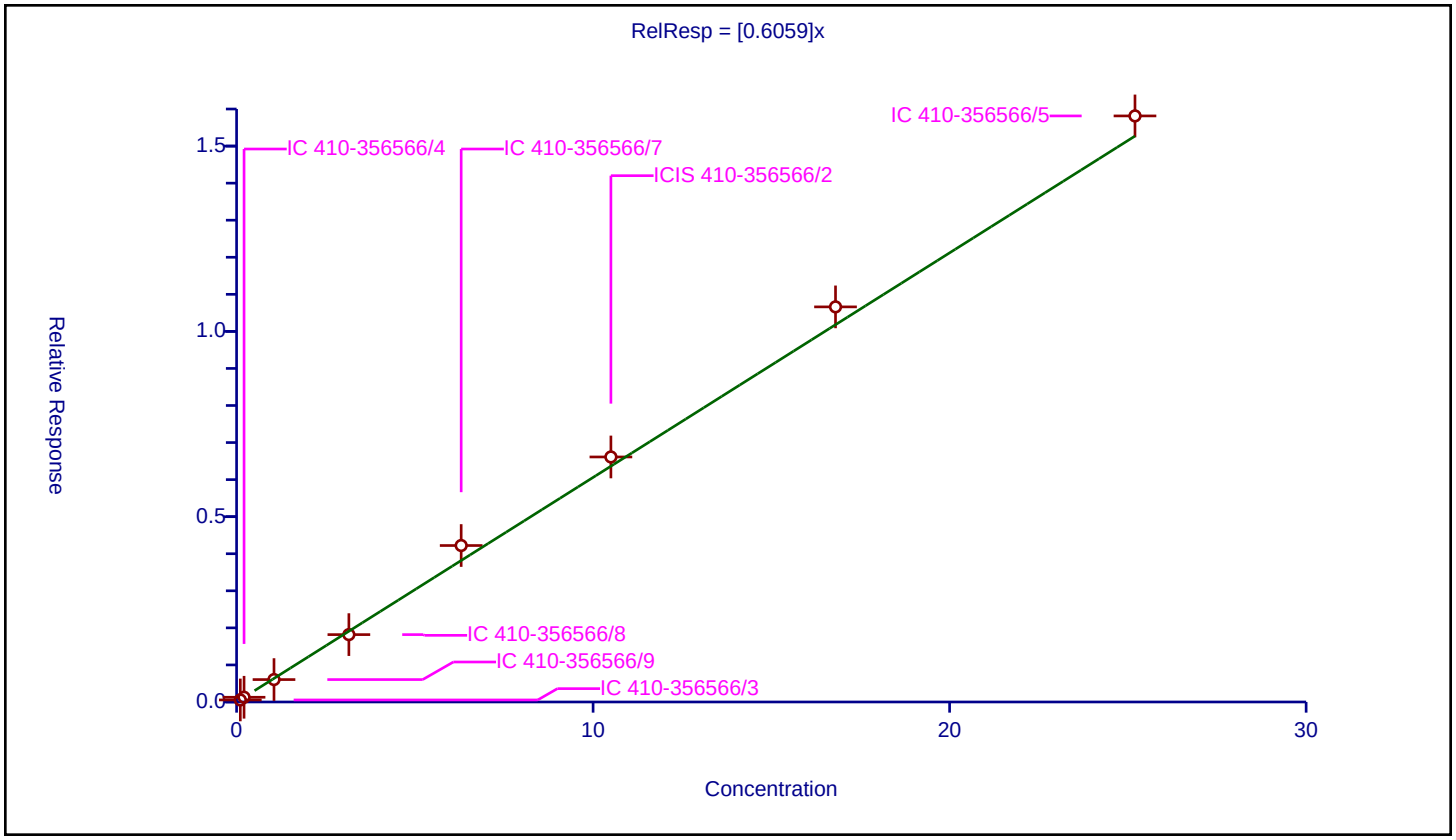
Curve Coefficients

Intercept:	0
Slope:	0.6059

Error Coefficients

Standard Error:	594000
Relative Standard Error:	7.4
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.105	0.055184	5.0	271456.0	0.525561	Y
2	IC 410-356566/4	0.21	0.127433	5.0	330095.0	0.606824	Y
3	IC 410-356566/9	1.05	0.605055	5.0	266166.0	0.576243	Y
4	IC 410-356566/8	3.15	1.817762	5.0	385056.0	0.577067	Y
5	IC 410-356566/7	6.3	4.221634	5.0	359317.0	0.670101	Y
6	ICIS 410-356566/2	10.5	6.611138	5.0	394814.0	0.629632	Y
7	IC 410-356566/6	16.8	10.66071	5.0	287683.0	0.634566	Y
8	IC 410-356566/5	25.2	15.813477	5.0	413214.0	0.627519	Y



Calibration / 1,1'-Biphenyl

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

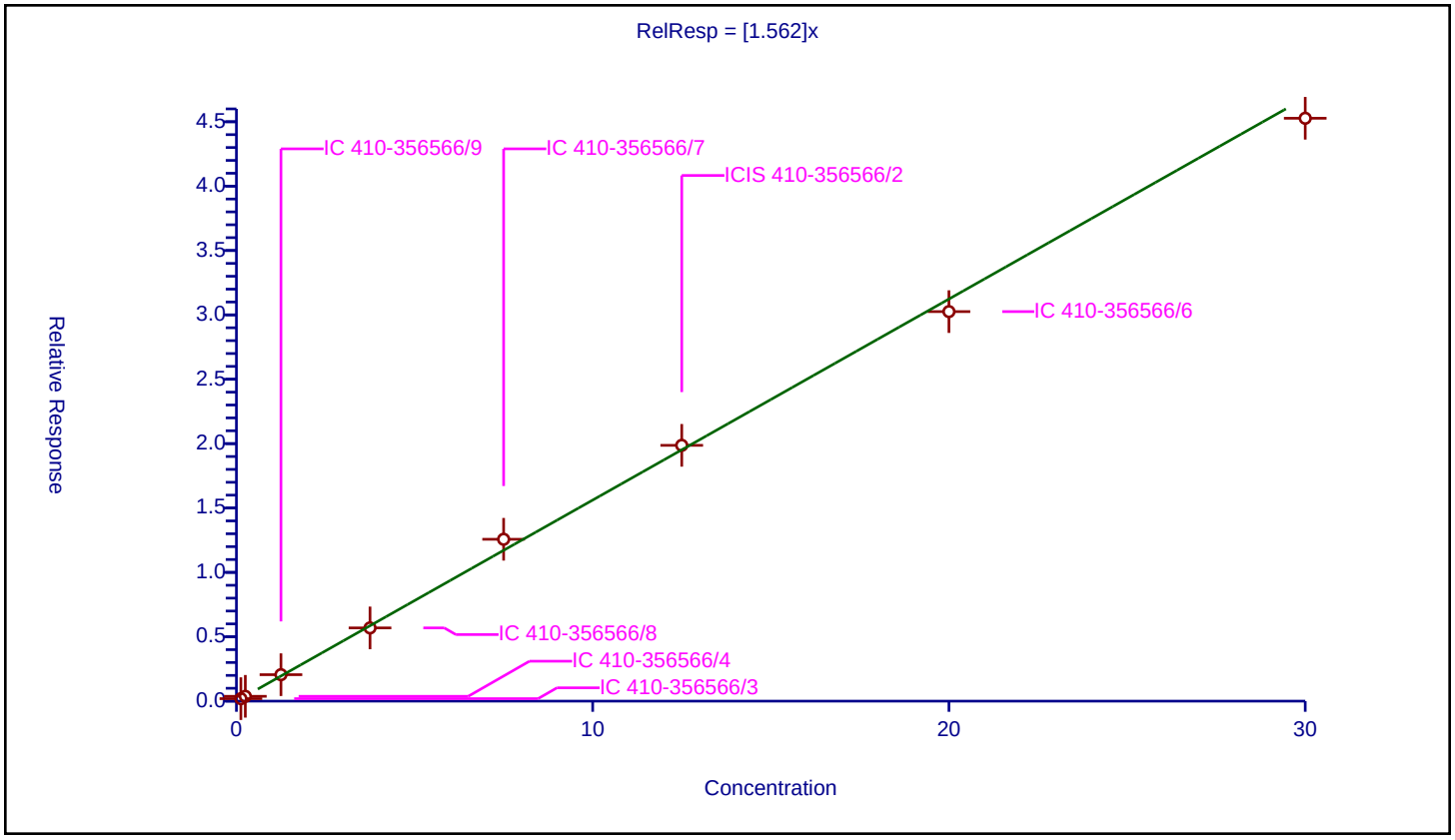
Curve Coefficients

Intercept:	0
Slope:	1.562

Error Coefficients

Standard Error:	1710000
Relative Standard Error:	4.3
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.193162	5.0	271456.0	1.545296	Y
2	IC 410-356566/4	0.25	0.374725	5.0	330095.0	1.498902	Y
3	IC 410-356566/9	1.25	2.055728	5.0	266166.0	1.644583	Y
4	IC 410-356566/8	3.75	5.688004	5.0	385056.0	1.516801	Y
5	IC 410-356566/7	7.5	12.571476	5.0	359317.0	1.676197	Y
6	ICIS 410-356566/2	12.5	19.868216	5.0	394814.0	1.589457	Y
7	IC 410-356566/6	20.0	30.256028	5.0	287683.0	1.512801	Y
8	IC 410-356566/5	30.0	45.270828	5.0	413214.0	1.509028	Y



Calibration / 2-Chloronaphthalene

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

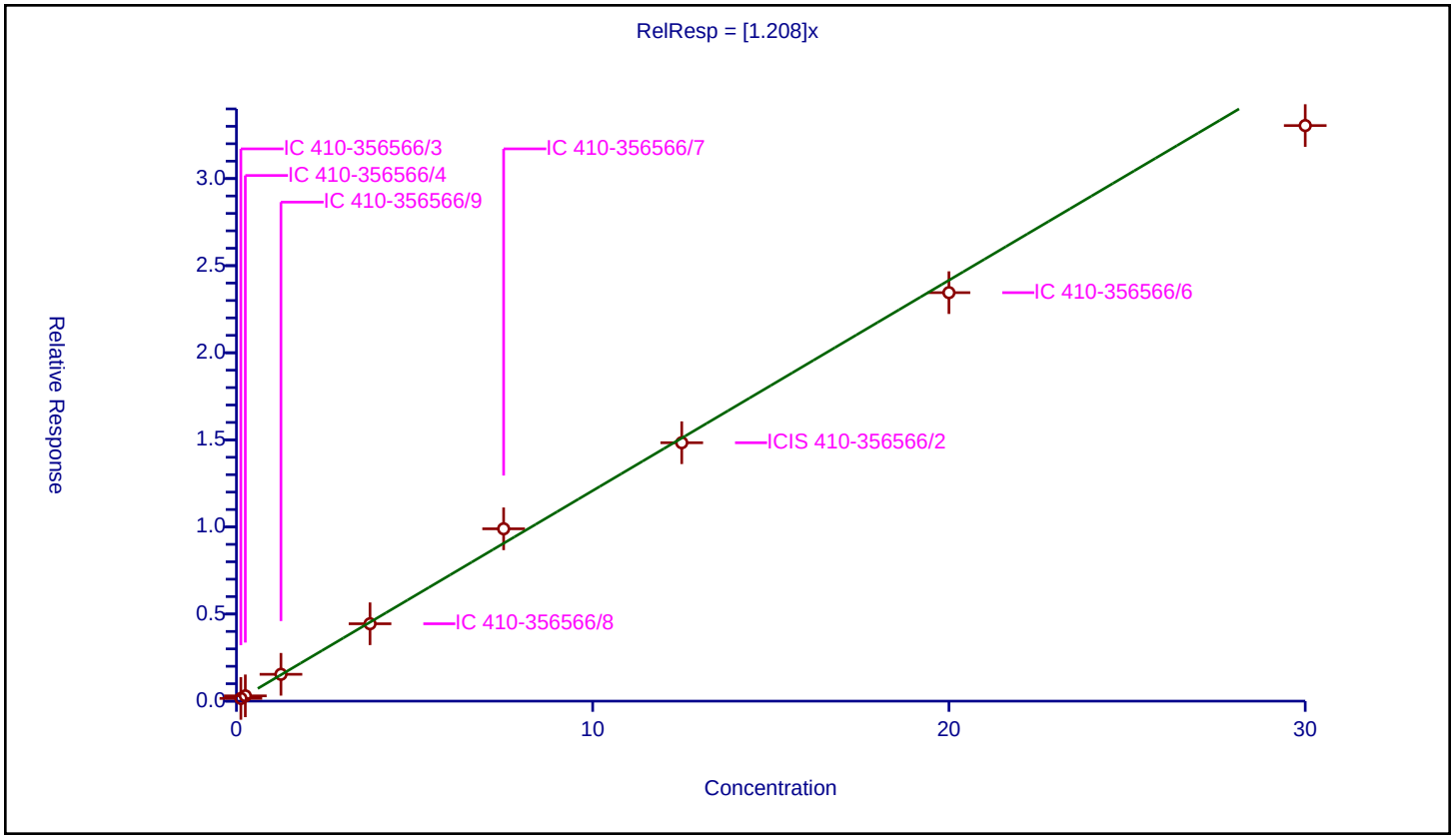
Curve Coefficients

Intercept:	0
Slope:	1.208

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	5.3
Correlation Coefficient:	0.972
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.156489	5.0	271456.0	1.251916	Y
2	IC 410-356566/4	0.25	0.303852	5.0	330095.0	1.215408	Y
3	IC 410-356566/9	1.25	1.540993	5.0	266166.0	1.232795	Y
4	IC 410-356566/8	3.75	4.44238	5.0	385056.0	1.184635	Y
5	IC 410-356566/7	7.5	9.893882	5.0	359317.0	1.319184	Y
6	ICIS 410-356566/2	12.5	14.834846	5.0	394814.0	1.186788	Y
7	IC 410-356566/6	20.0	23.450569	5.0	287683.0	1.172528	Y
8	IC 410-356566/5	30.0	33.042322	5.0	413214.0	1.101411	Y



Calibration / 1-Chloronaphthalene

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

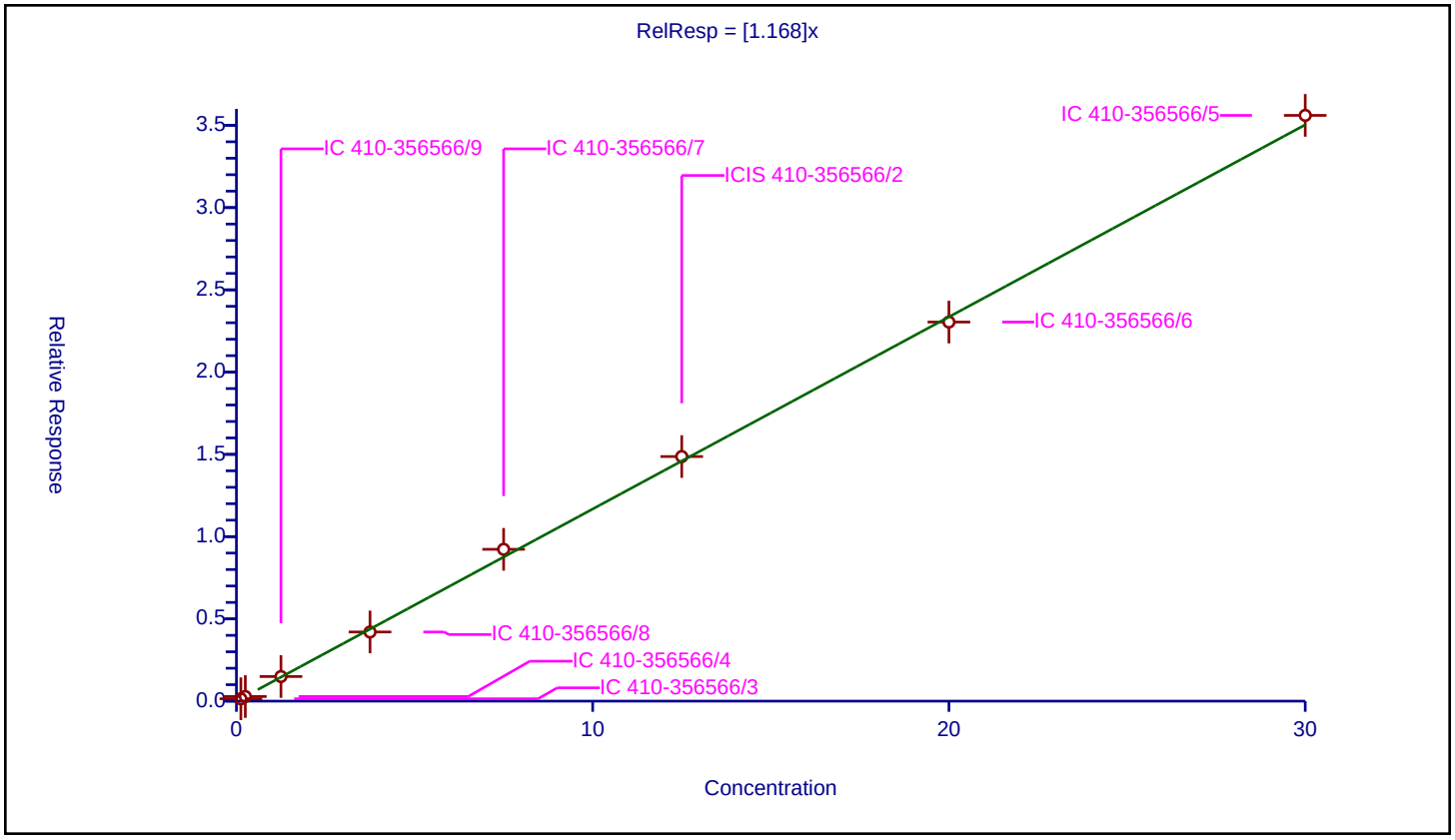
Curve Coefficients

Intercept:	0
Slope:	1.168

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	3.3
Correlation Coefficient:	0.960
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.14273	5.0	271456.0	1.141843	Y
2	IC 410-356566/4	0.25	0.281071	5.0	330095.0	1.124282	Y
3	IC 410-356566/9	1.25	1.495627	5.0	266166.0	1.196501	Y
4	IC 410-356566/8	3.75	4.20296	5.0	385056.0	1.120789	Y
5	IC 410-356566/7	7.5	9.229497	5.0	359317.0	1.2306	Y
6	ICIS 410-356566/2	12.5	14.868406	5.0	394814.0	1.189473	Y
7	IC 410-356566/6	20.0	23.042655	5.0	287683.0	1.152133	Y
8	IC 410-356566/5	30.0	35.604445	5.0	413214.0	1.186815	Y



Calibration / Phenyl ether

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

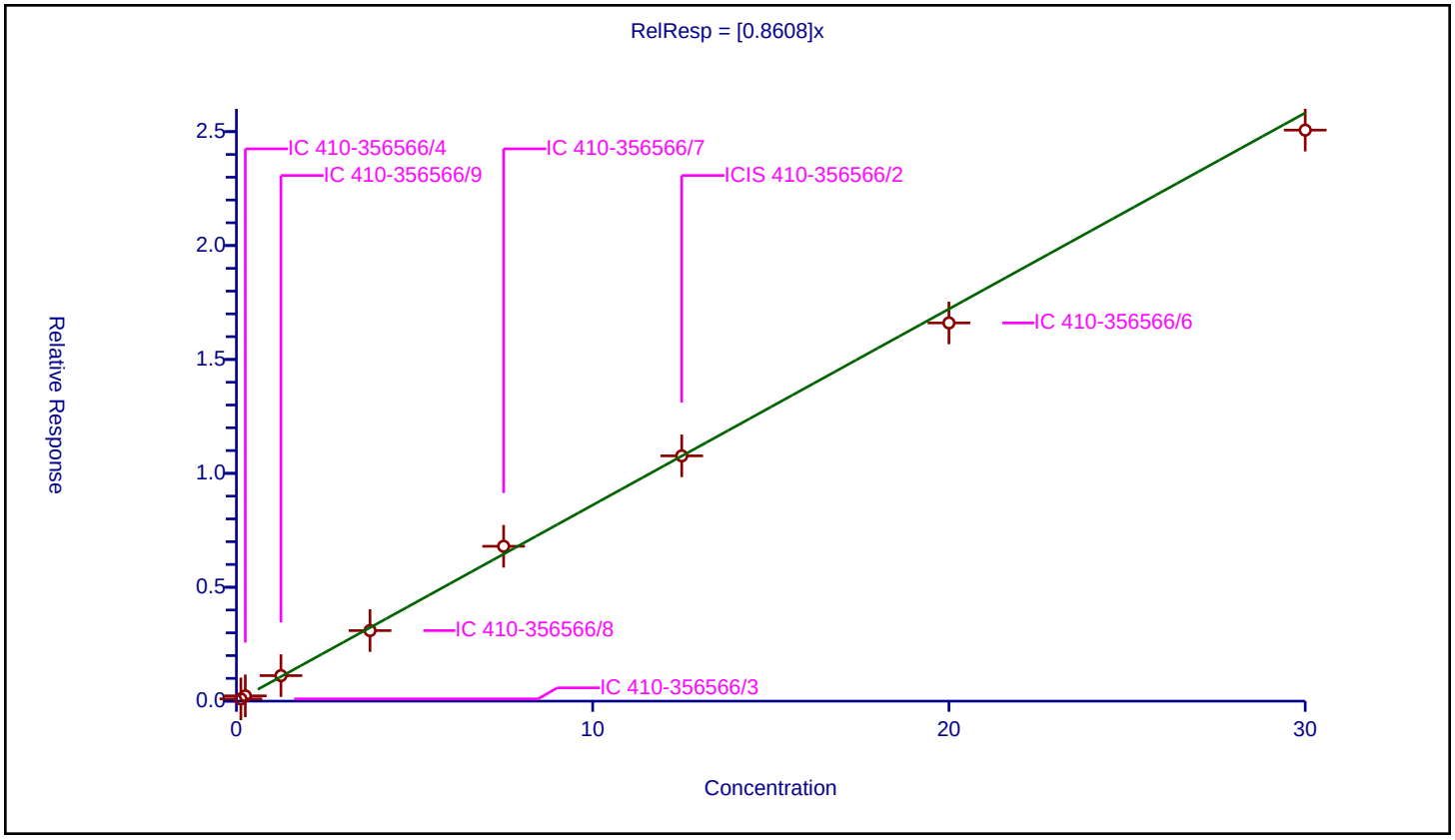
Curve Coefficients

Intercept:	0
Slope:	0.8608

Error Coefficients

Standard Error:	943000
Relative Standard Error:	5.2
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.100256	5.0	271456.0	0.802045	Y
2	IC 410-356566/4	0.25	0.232191	5.0	330095.0	0.928763	Y
3	IC 410-356566/9	1.25	1.120203	5.0	266166.0	0.896163	Y
4	IC 410-356566/8	3.75	3.097536	5.0	385056.0	0.82601	Y
5	IC 410-356566/7	7.5	6.798036	5.0	359317.0	0.906405	Y
6	ICIS 410-356566/2	12.5	10.767665	5.0	394814.0	0.861413	Y
7	IC 410-356566/6	20.0	16.60444	5.0	287683.0	0.830222	Y
8	IC 410-356566/5	30.0	25.068112	5.0	413214.0	0.835604	Y



Calibration / 2-Nitroaniline

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

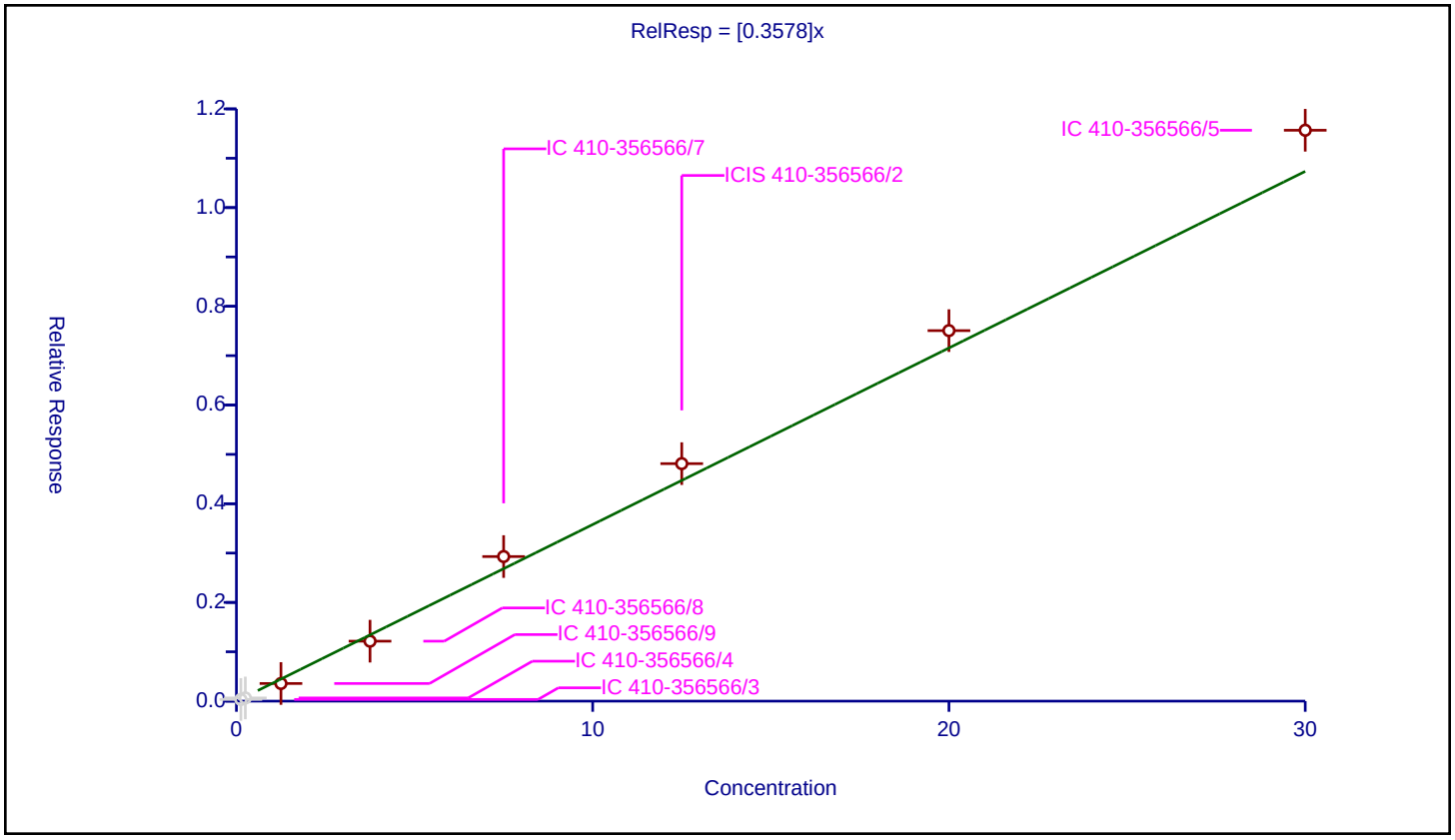
Curve Coefficients

Intercept:	0
Slope:	0.3578

Error Coefficients

Standard Error:	510000
Relative Standard Error:	12.0
Correlation Coefficient:	0.951
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.034168	5.0	271456.0	0.273341	N
2	IC 410-356566/4	0.25	0.06433	5.0	330095.0	0.25732	N
3	IC 410-356566/9	1.25	0.357765	5.0	266166.0	0.286212	Y
4	IC 410-356566/8	3.75	1.215096	5.0	385056.0	0.324026	Y
5	IC 410-356566/7	7.5	2.9296	5.0	359317.0	0.390613	Y
6	ICIS 410-356566/2	12.5	4.812127	5.0	394814.0	0.38497	Y
7	IC 410-356566/6	20.0	7.507413	5.0	287683.0	0.375371	Y
8	IC 410-356566/5	30.0	11.567154	5.0	413214.0	0.385572	Y



Calibration / 1,4-Naphthoquinone

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

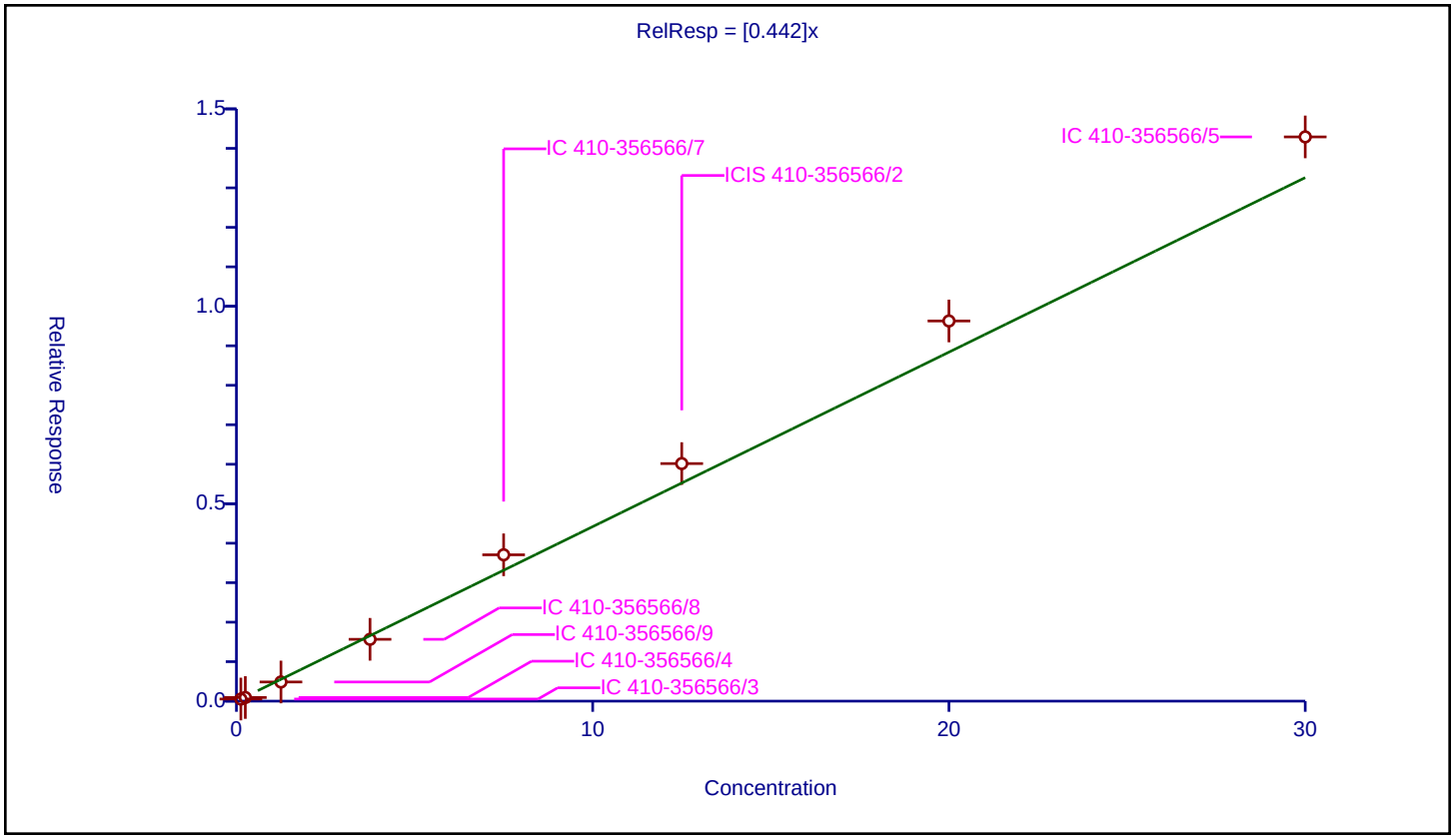
Curve Coefficients

Intercept:	0
Slope:	0.442

Error Coefficients

Standard Error:	536000
Relative Standard Error:	10.8
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.053379	5.0	271456.0	0.427031	Y
2	IC 410-356566/4	0.25	0.092382	5.0	330095.0	0.36953	Y
3	IC 410-356566/9	1.25	0.48543	5.0	266166.0	0.388344	Y
4	IC 410-356566/8	3.75	1.56585	5.0	385056.0	0.41756	Y
5	IC 410-356566/7	7.5	3.706532	5.0	359317.0	0.494204	Y
6	ICIS 410-356566/2	12.5	6.016542	5.0	394814.0	0.481323	Y
7	IC 410-356566/6	20.0	9.628219	5.0	287683.0	0.481411	Y
8	IC 410-356566/5	30.0	14.290549	5.0	413214.0	0.476352	Y



Calibration / 1,3-Dinitrobenzene

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

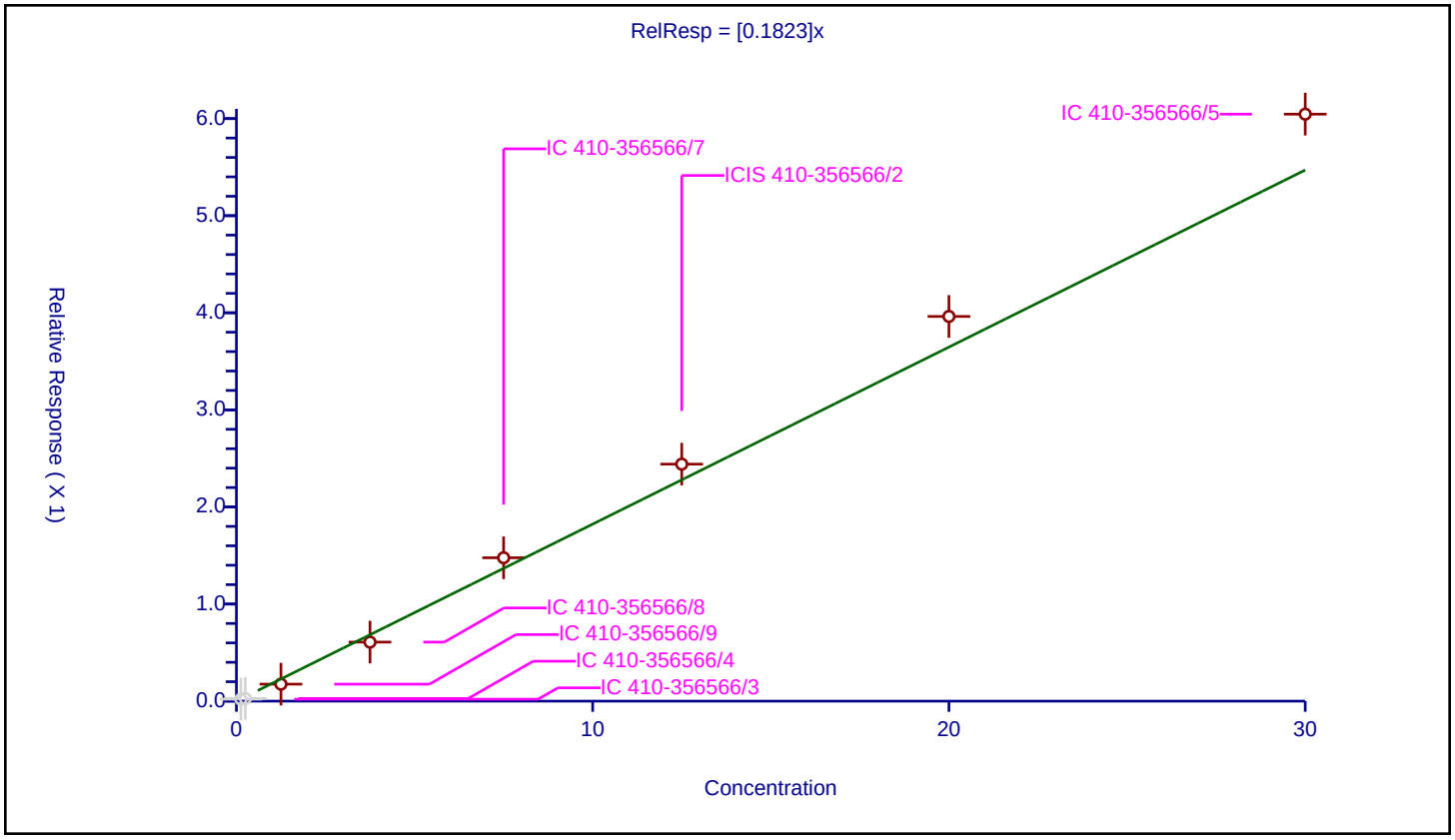
Curve Coefficients

Intercept:	0
Slope:	0.1823

Error Coefficients

Standard Error:	265000
Relative Standard Error:	13.9
Correlation Coefficient:	0.955
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.020022	5.0	271456.0	0.160173	N
2	IC 410-356566/4	0.25	0.02731	5.0	330095.0	0.109241	N
3	IC 410-356566/9	1.25	0.175041	5.0	266166.0	0.140033	Y
4	IC 410-356566/8	3.75	0.608067	5.0	385056.0	0.162151	Y
5	IC 410-356566/7	7.5	1.476857	5.0	359317.0	0.196914	Y
6	ICIS 410-356566/2	12.5	2.4412	5.0	394814.0	0.195296	Y
7	IC 410-356566/6	20.0	3.962295	5.0	287683.0	0.198115	Y
8	IC 410-356566/5	30.0	6.045766	5.0	413214.0	0.201526	Y



Calibration / Dimethyl phthalate

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

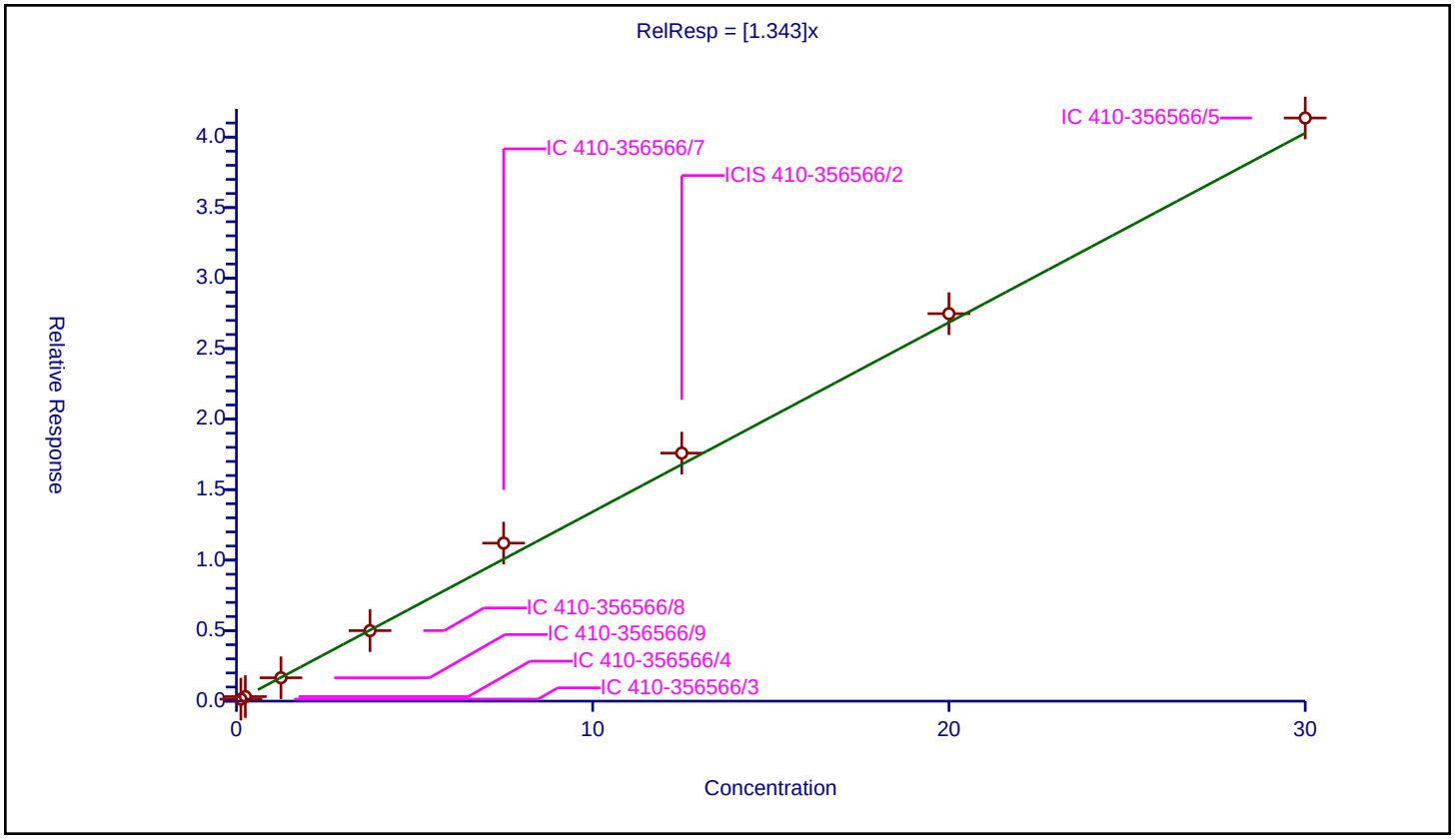
Curve Coefficients

Intercept:	0
Slope:	1.343

Error Coefficients

Standard Error:	1550000
Relative Standard Error:	7.7
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.142251	5.0	271456.0	1.138011	Y
2	IC 410-356566/4	0.25	0.322831	5.0	330095.0	1.291325	Y
3	IC 410-356566/9	1.25	1.657199	5.0	266166.0	1.325759	Y
4	IC 410-356566/8	3.75	5.000377	5.0	385056.0	1.333434	Y
5	IC 410-356566/7	7.5	11.207917	5.0	359317.0	1.494389	Y
6	ICIS 410-356566/2	12.5	17.589156	5.0	394814.0	1.407132	Y
7	IC 410-356566/6	20.0	27.478979	5.0	287683.0	1.373949	Y
8	IC 410-356566/5	30.0	41.353742	5.0	413214.0	1.378458	Y



Calibration / 1,4-Dinitrobenzene

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

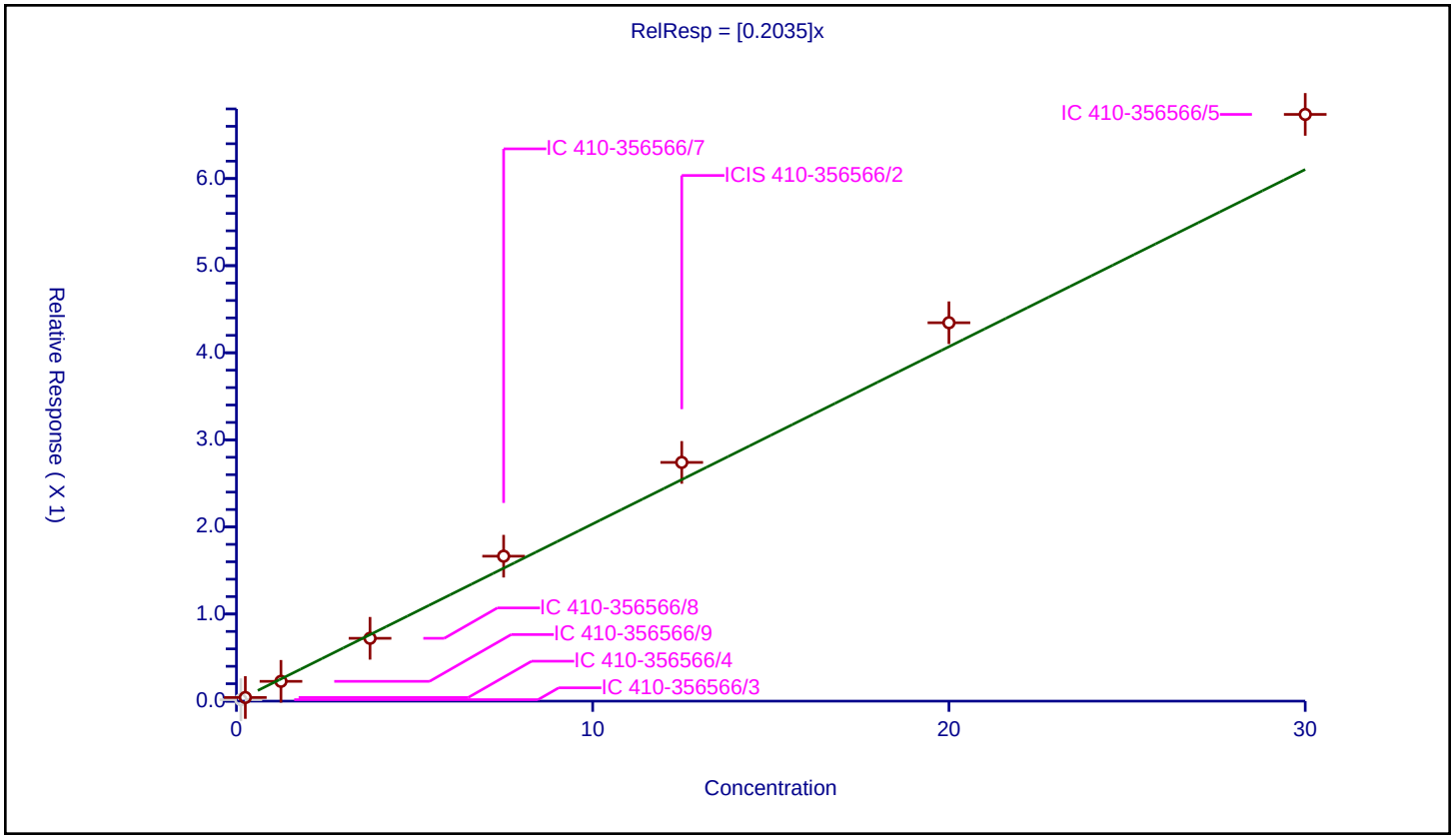
Curve Coefficients

Intercept:	0
Slope:	0.2035

Error Coefficients

Standard Error:	270000
Relative Standard Error:	11.2
Correlation Coefficient:	0.957
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.017111	5.0	271456.0	0.136891	N
2	IC 410-356566/4	0.25	0.041806	5.0	330095.0	0.167225	Y
3	IC 410-356566/9	1.25	0.227245	5.0	266166.0	0.181796	Y
4	IC 410-356566/8	3.75	0.721428	5.0	385056.0	0.192381	Y
5	IC 410-356566/7	7.5	1.664227	5.0	359317.0	0.221897	Y
6	ICIS 410-356566/2	12.5	2.741063	5.0	394814.0	0.219285	Y
7	IC 410-356566/6	20.0	4.344574	5.0	287683.0	0.217229	Y
8	IC 410-356566/5	30.0	6.736764	5.0	413214.0	0.224559	Y



Calibration / 2,6-Dinitrotoluene

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

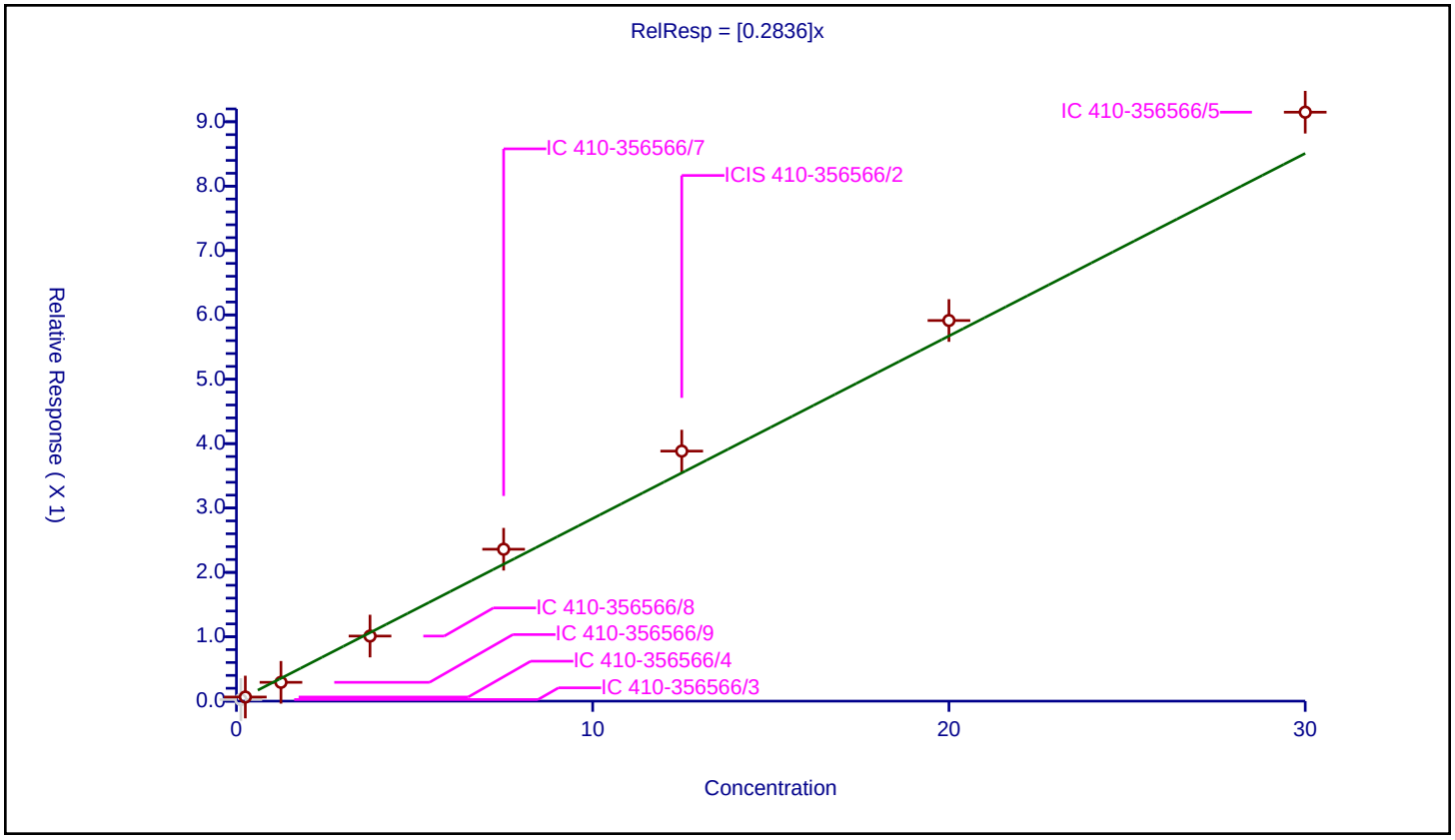
Curve Coefficients

Intercept:	0
Slope:	0.2836

Error Coefficients

Standard Error:	369000
Relative Standard Error:	10.9
Correlation Coefficient:	0.956
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.025013	5.0	271456.0	0.200106	N
2	IC 410-356566/4	0.25	0.064027	5.0	330095.0	0.256108	Y
3	IC 410-356566/9	1.25	0.292167	5.0	266166.0	0.233734	Y
4	IC 410-356566/8	3.75	1.01084	5.0	385056.0	0.269557	Y
5	IC 410-356566/7	7.5	2.359657	5.0	359317.0	0.314621	Y
6	ICIS 410-356566/2	12.5	3.883753	5.0	394814.0	0.3107	Y
7	IC 410-356566/6	20.0	5.912897	5.0	287683.0	0.295645	Y
8	IC 410-356566/5	30.0	9.148565	5.0	413214.0	0.304952	Y



Calibration / Acenaphthylene

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

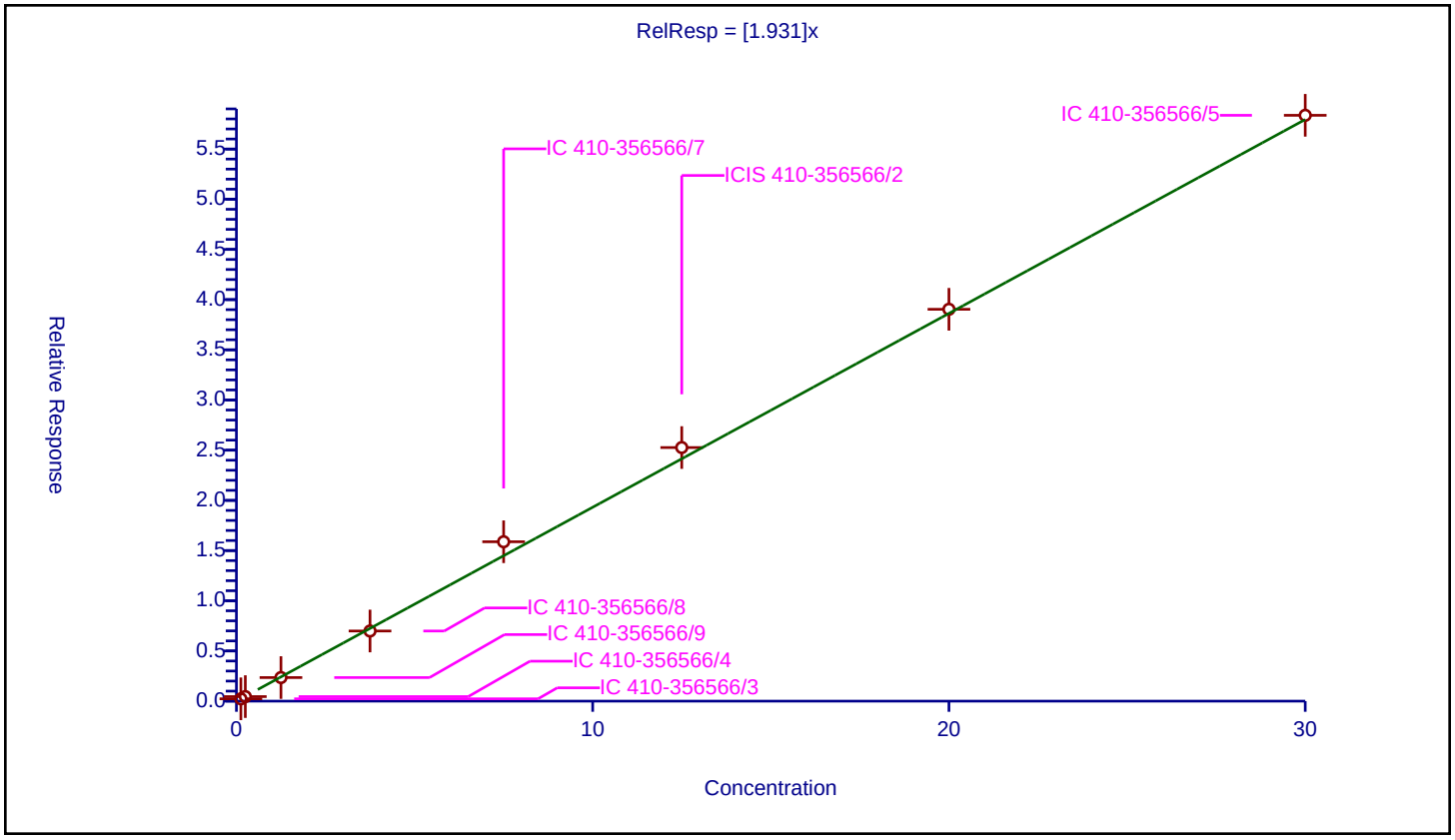
Curve Coefficients

Intercept:	0
Slope:	1.931

Error Coefficients

Standard Error:	2200000
Relative Standard Error:	5.2
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.232929	5.0	271456.0	1.863433	Y
2	IC 410-356566/4	0.25	0.452355	5.0	330095.0	1.809419	Y
3	IC 410-356566/9	1.25	2.349831	5.0	266166.0	1.879864	Y
4	IC 410-356566/8	3.75	6.987036	5.0	385056.0	1.86321	Y
5	IC 410-356566/7	7.5	15.877999	5.0	359317.0	2.117067	Y
6	ICIS 410-356566/2	12.5	25.263415	5.0	394814.0	2.021073	Y
7	IC 410-356566/6	20.0	39.037308	5.0	287683.0	1.951865	Y
8	IC 410-356566/5	30.0	58.359688	5.0	413214.0	1.945323	Y



Calibration / 3-Nitroaniline

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

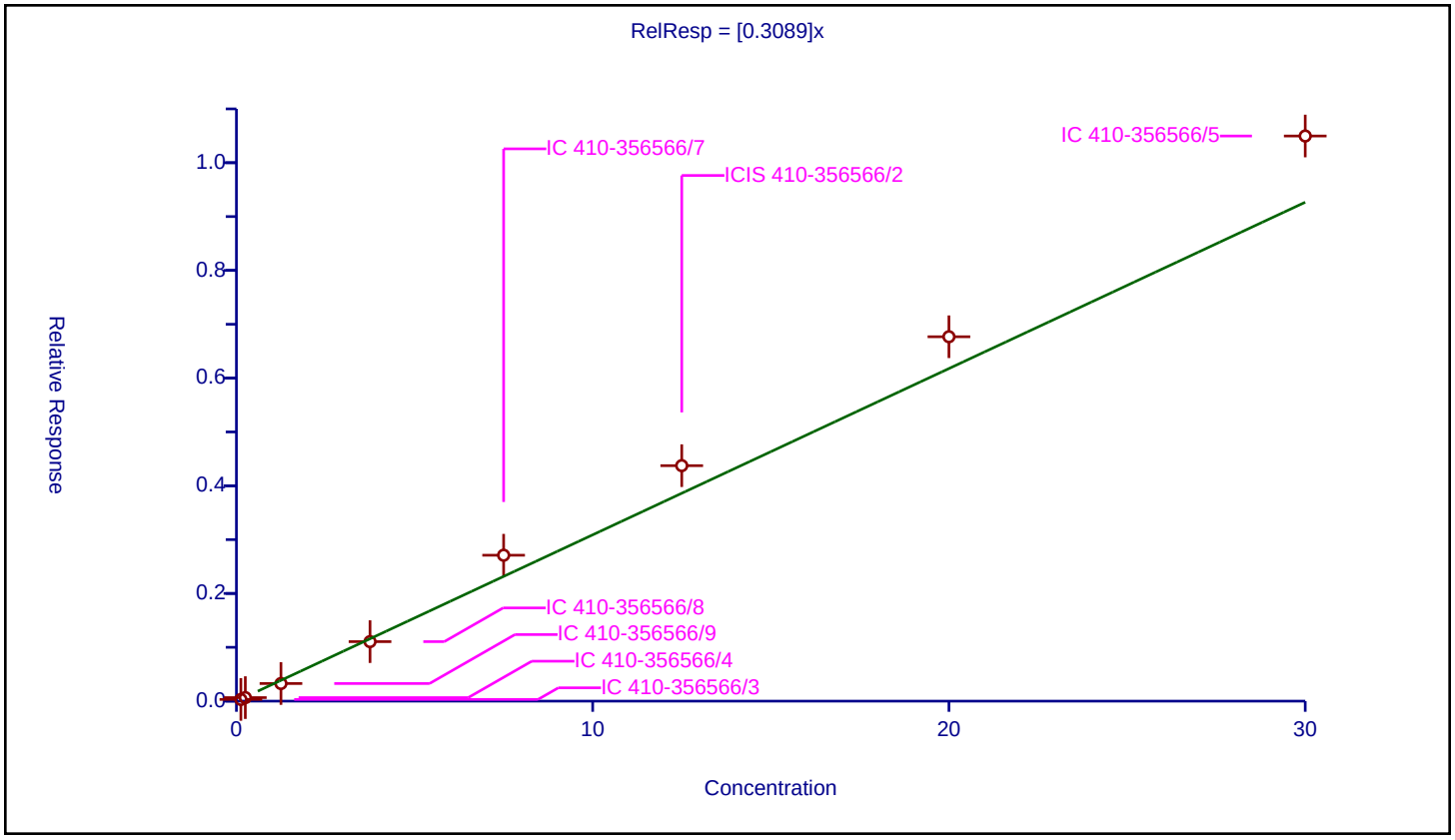
Curve Coefficients

Intercept:	0
Slope:	0.3089

Error Coefficients

Standard Error:	391000
Relative Standard Error:	14.8
Correlation Coefficient:	0.960
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.031718	5.0	271456.0	0.253743	Y
2	IC 410-356566/4	0.25	0.065315	5.0	330095.0	0.261258	Y
3	IC 410-356566/9	1.25	0.32707	5.0	266166.0	0.261656	Y
4	IC 410-356566/8	3.75	1.105385	5.0	385056.0	0.294769	Y
5	IC 410-356566/7	7.5	2.710114	5.0	359317.0	0.361349	Y
6	ICIS 410-356566/2	12.5	4.373971	5.0	394814.0	0.349918	Y
7	IC 410-356566/6	20.0	6.768109	5.0	287683.0	0.338405	Y
8	IC 410-356566/5	30.0	10.496317	5.0	413214.0	0.349877	Y



Calibration / Acenaphthene

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

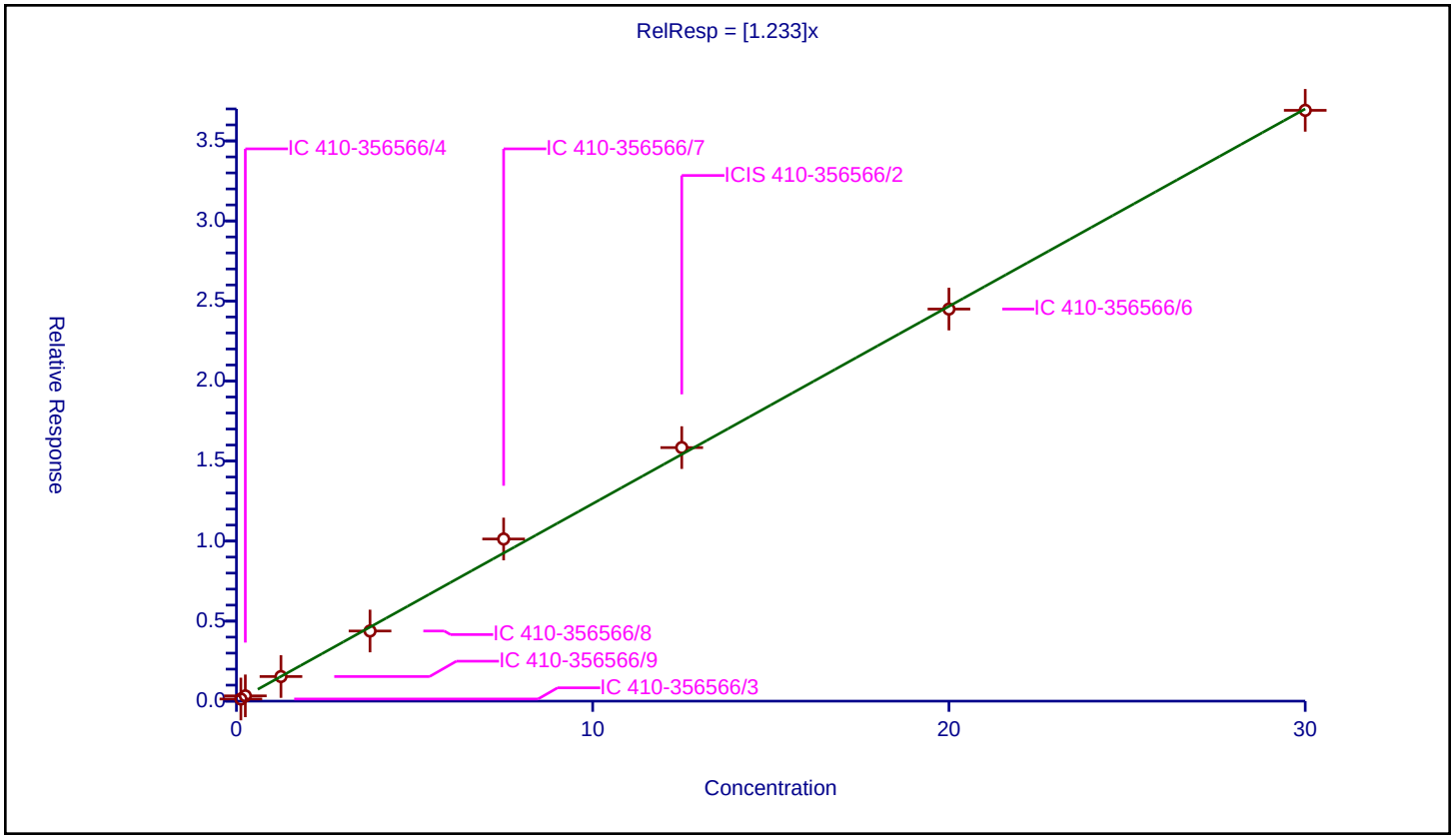
Curve Coefficients

Intercept:	0
Slope:	1.233

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	7.0
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.134368	5.0	271456.0	1.074944	Y
2	IC 410-356566/4	0.25	0.330465	5.0	330095.0	1.321862	Y
3	IC 410-356566/9	1.25	1.535978	5.0	266166.0	1.228782	Y
4	IC 410-356566/8	3.75	4.381791	5.0	385056.0	1.168478	Y
5	IC 410-356566/7	7.5	10.128828	5.0	359317.0	1.35051	Y
6	ICIS 410-356566/2	12.5	15.839129	5.0	394814.0	1.26713	Y
7	IC 410-356566/6	20.0	24.494148	5.0	287683.0	1.224707	Y
8	IC 410-356566/5	30.0	36.910572	5.0	413214.0	1.230352	Y



Calibration / 2,4-Dinitrophenol

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

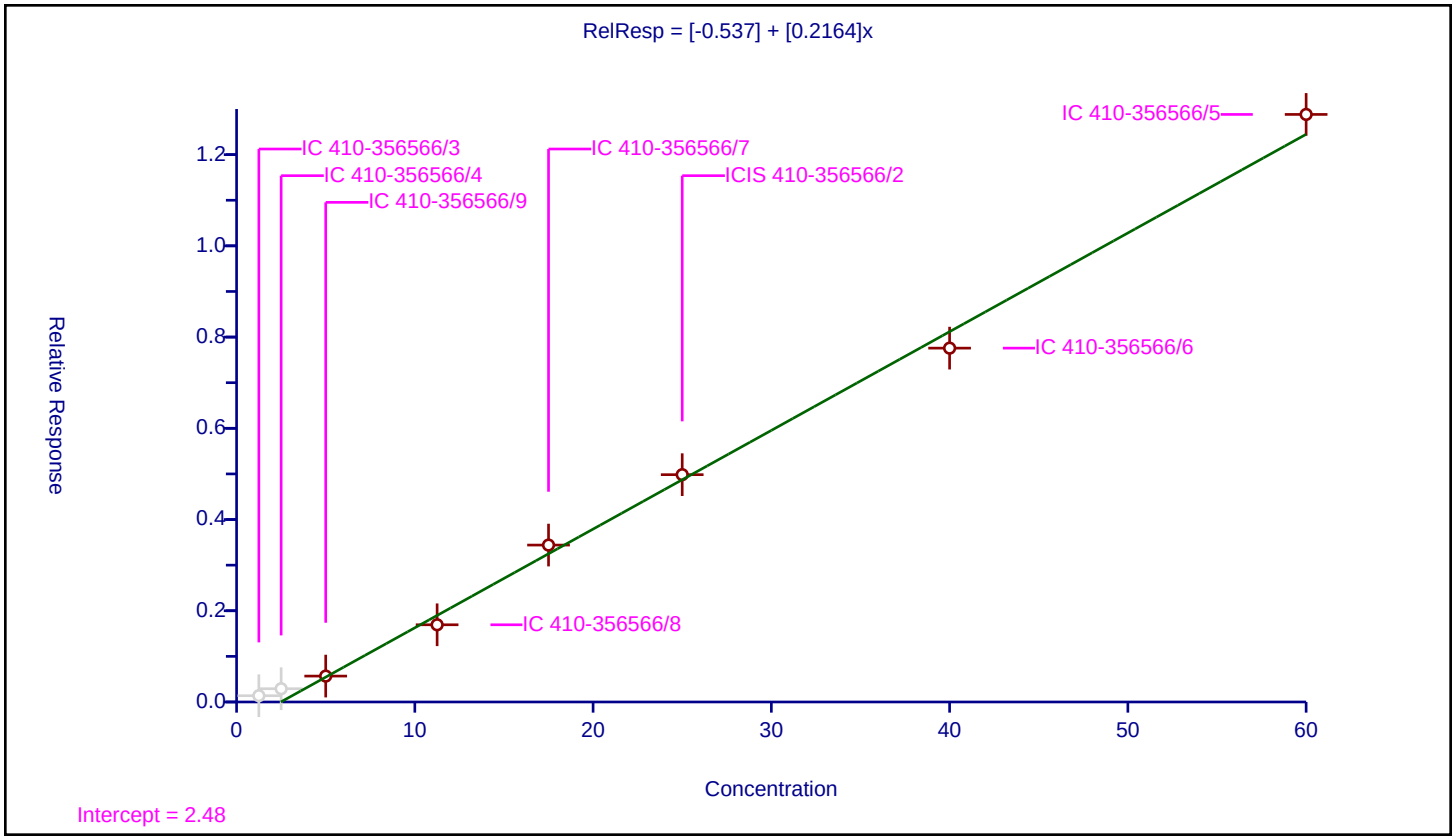
Curve Coefficients

Intercept:	-0.537
Slope:	0.2164

Error Coefficients

Standard Error:	626000
Relative Standard Error:	5.8
Correlation Coefficient:	0.939
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	1.25	0.137702	5.0	271456.0	0.110161	N
2	IC 410-356566/4	2.5	0.290689	5.0	330095.0	0.116276	N
3	IC 410-356566/9	5.0	0.567879	5.0	266166.0	0.113576	Y
4	IC 410-356566/8	11.25	1.692585	5.0	385056.0	0.150452	Y
5	IC 410-356566/7	17.5	3.440249	5.0	359317.0	0.196586	Y
6	ICIS 410-356566/2	25.0	4.983701	5.0	394814.0	0.199348	Y
7	IC 410-356566/6	40.0	7.757566	5.0	287683.0	0.193939	Y
8	IC 410-356566/5	60.0	12.881158	5.0	413214.0	0.214686	Y



Calibration / 4-Nitrophenol

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

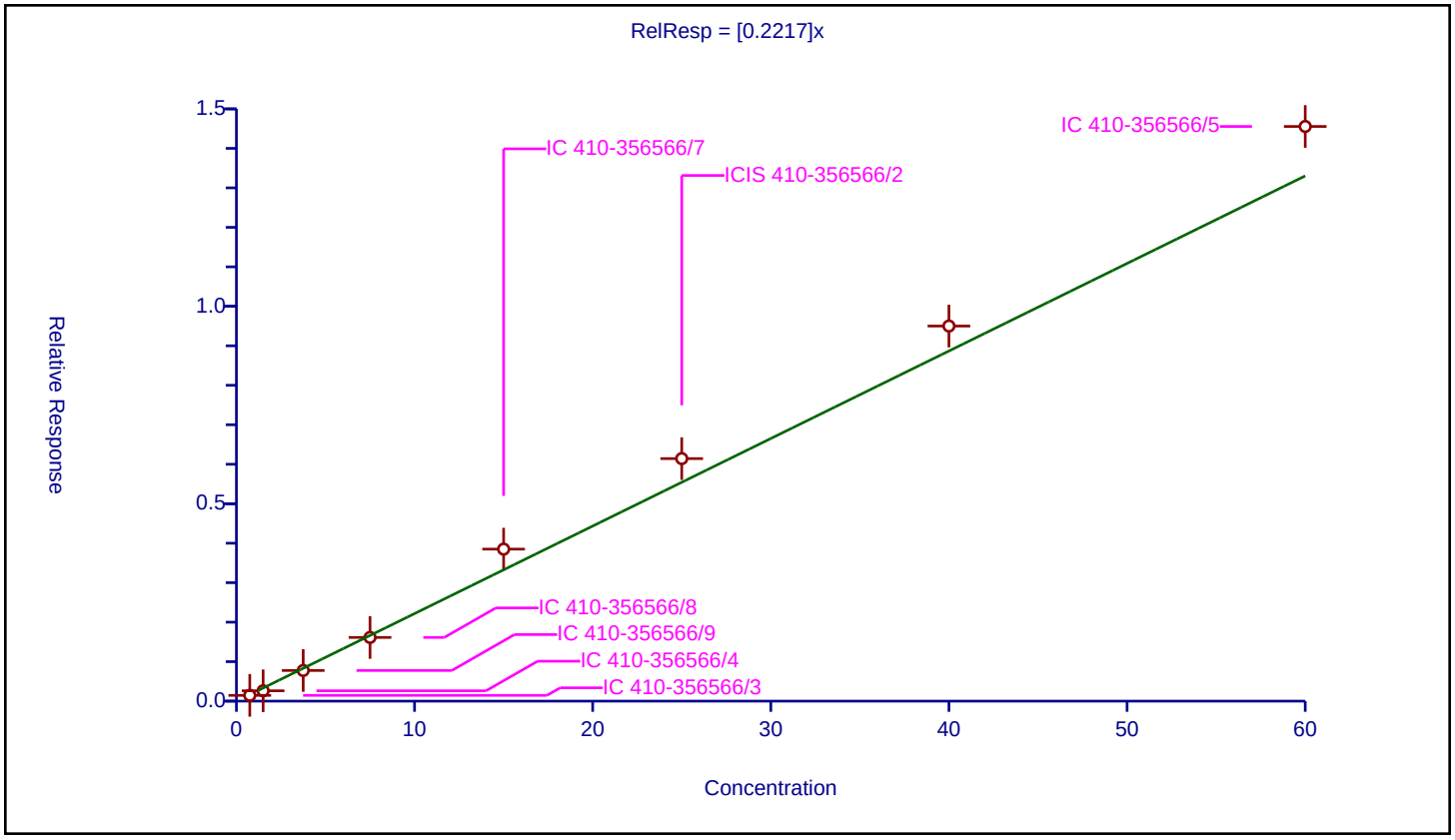
Curve Coefficients

Intercept:	0
Slope:	0.2217

Error Coefficients

Standard Error:	544000
Relative Standard Error:	12.9
Correlation Coefficient:	0.961
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.75	0.145825	5.0	271456.0	0.194433	Y
2	IC 410-356566/4	1.5	0.262122	5.0	330095.0	0.174748	Y
3	IC 410-356566/9	3.75	0.776132	5.0	266166.0	0.206969	Y
4	IC 410-356566/8	7.5	1.612986	5.0	385056.0	0.215065	Y
5	IC 410-356566/7	15.0	3.850124	5.0	359317.0	0.256675	Y
6	ICIS 410-356566/2	25.0	6.143171	5.0	394814.0	0.245727	Y
7	IC 410-356566/6	40.0	9.500474	5.0	287683.0	0.237512	Y
8	IC 410-356566/5	60.0	14.554867	5.0	413214.0	0.242581	Y



Calibration / Pentachlorobenzene

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

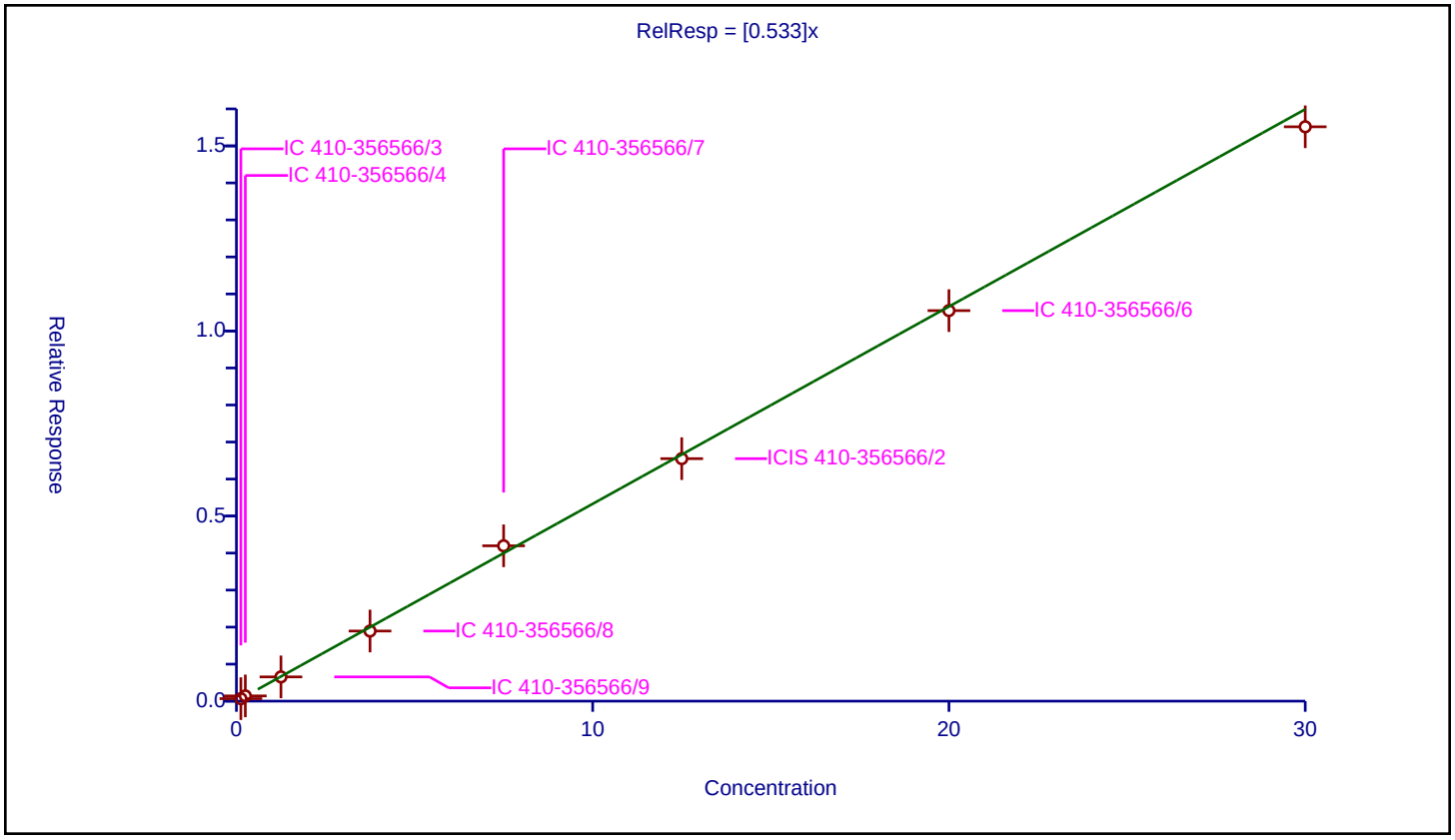
Curve Coefficients

Intercept:	0
Slope:	0.533

Error Coefficients

Standard Error:	585000
Relative Standard Error:	3.9
Correlation Coefficient:	0.968
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.067506	5.0	271456.0	0.540051	Y
2	IC 410-356566/4	0.25	0.141505	5.0	330095.0	0.566019	Y
3	IC 410-356566/9	1.25	0.655343	5.0	266166.0	0.524274	Y
4	IC 410-356566/8	3.75	1.894348	5.0	385056.0	0.505159	Y
5	IC 410-356566/7	7.5	4.19642	5.0	359317.0	0.559523	Y
6	ICIS 410-356566/2	12.5	6.551059	5.0	394814.0	0.524085	Y
7	IC 410-356566/6	20.0	10.550571	5.0	287683.0	0.527529	Y
8	IC 410-356566/5	30.0	15.516125	5.0	413214.0	0.517204	Y



Calibration / 2,4-Dinitrotoluene

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

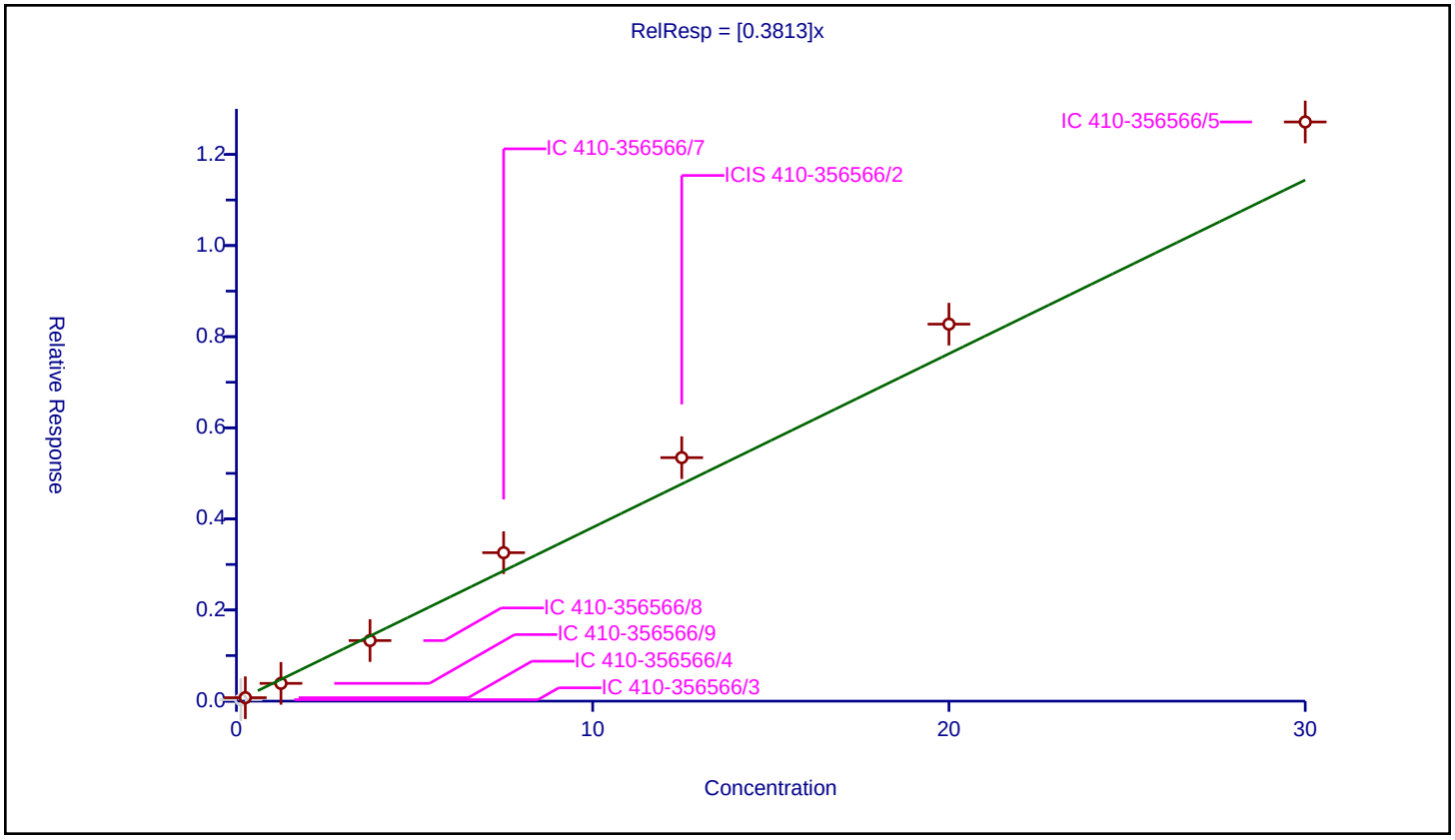
Curve Coefficients

Intercept:	0
Slope:	0.3813

Error Coefficients

Standard Error:	512000
Relative Standard Error:	14.9
Correlation Coefficient:	0.958
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.032178	5.0	271456.0	0.257427	N
2	IC 410-356566/4	0.25	0.07569	5.0	330095.0	0.302761	Y
3	IC 410-356566/9	1.25	0.390208	5.0	266166.0	0.312166	Y
4	IC 410-356566/8	3.75	1.32956	5.0	385056.0	0.354549	Y
5	IC 410-356566/7	7.5	3.258947	5.0	359317.0	0.434526	Y
6	ICIS 410-356566/2	12.5	5.344947	5.0	394814.0	0.427596	Y
7	IC 410-356566/6	20.0	8.275237	5.0	287683.0	0.413762	Y
8	IC 410-356566/5	30.0	12.713098	5.0	413214.0	0.42377	Y



Calibration / Dibenzofuran

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

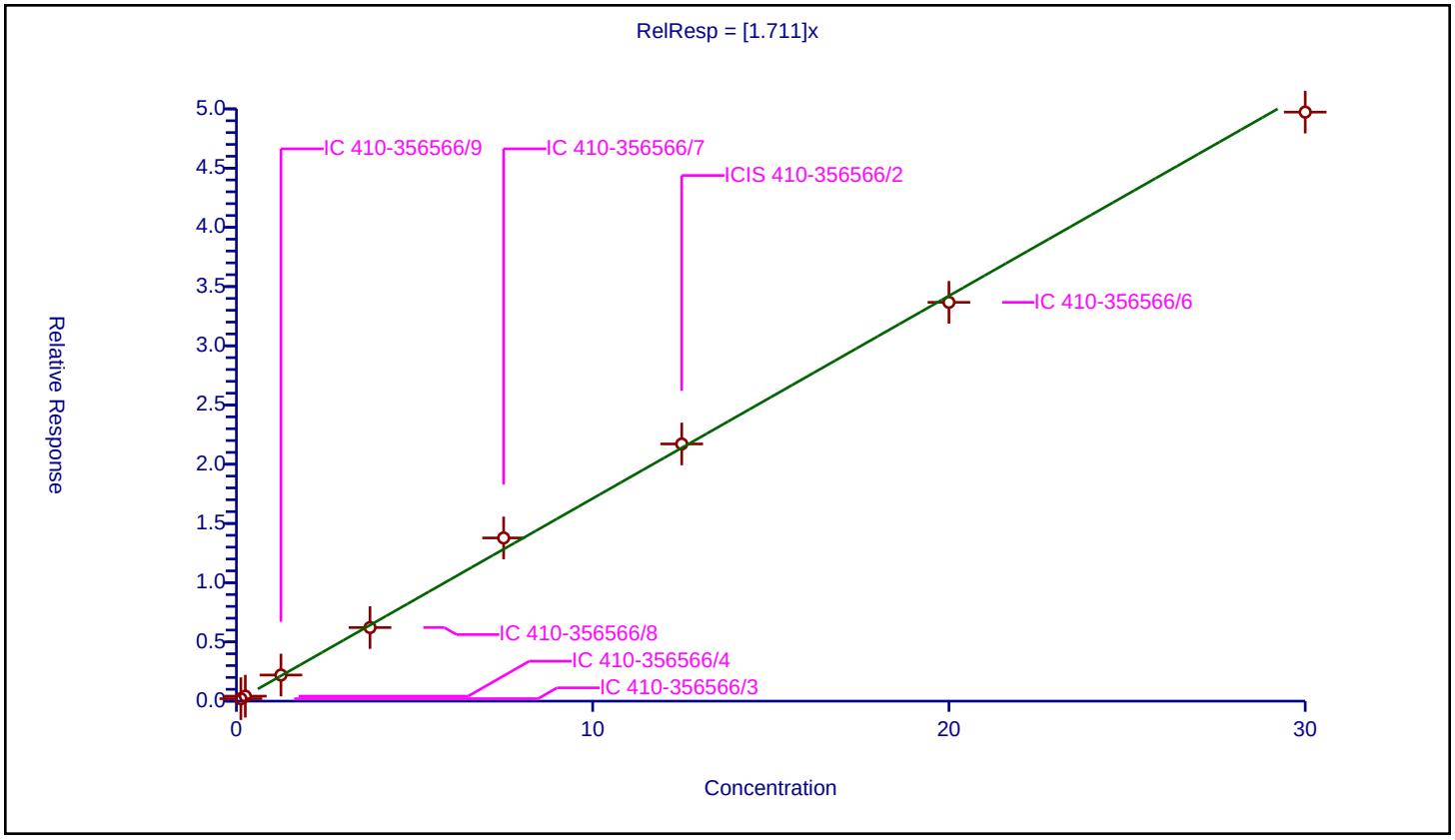
Curve Coefficients

Intercept:	0
Slope:	1.711

Error Coefficients

Standard Error:	1880000
Relative Standard Error:	3.8
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.208045	5.0	271456.0	1.664358	Y
2	IC 410-356566/4	0.25	0.421151	5.0	330095.0	1.684606	Y
3	IC 410-356566/9	1.25	2.205804	5.0	266166.0	1.764643	Y
4	IC 410-356566/8	3.75	6.214447	5.0	385056.0	1.657186	Y
5	IC 410-356566/7	7.5	13.77885	5.0	359317.0	1.83718	Y
6	ICIS 410-356566/2	12.5	21.712604	5.0	394814.0	1.737008	Y
7	IC 410-356566/6	20.0	33.668326	5.0	287683.0	1.683416	Y
8	IC 410-356566/5	30.0	49.728639	5.0	413214.0	1.657621	Y



Calibration / 1-Naphthylamine

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

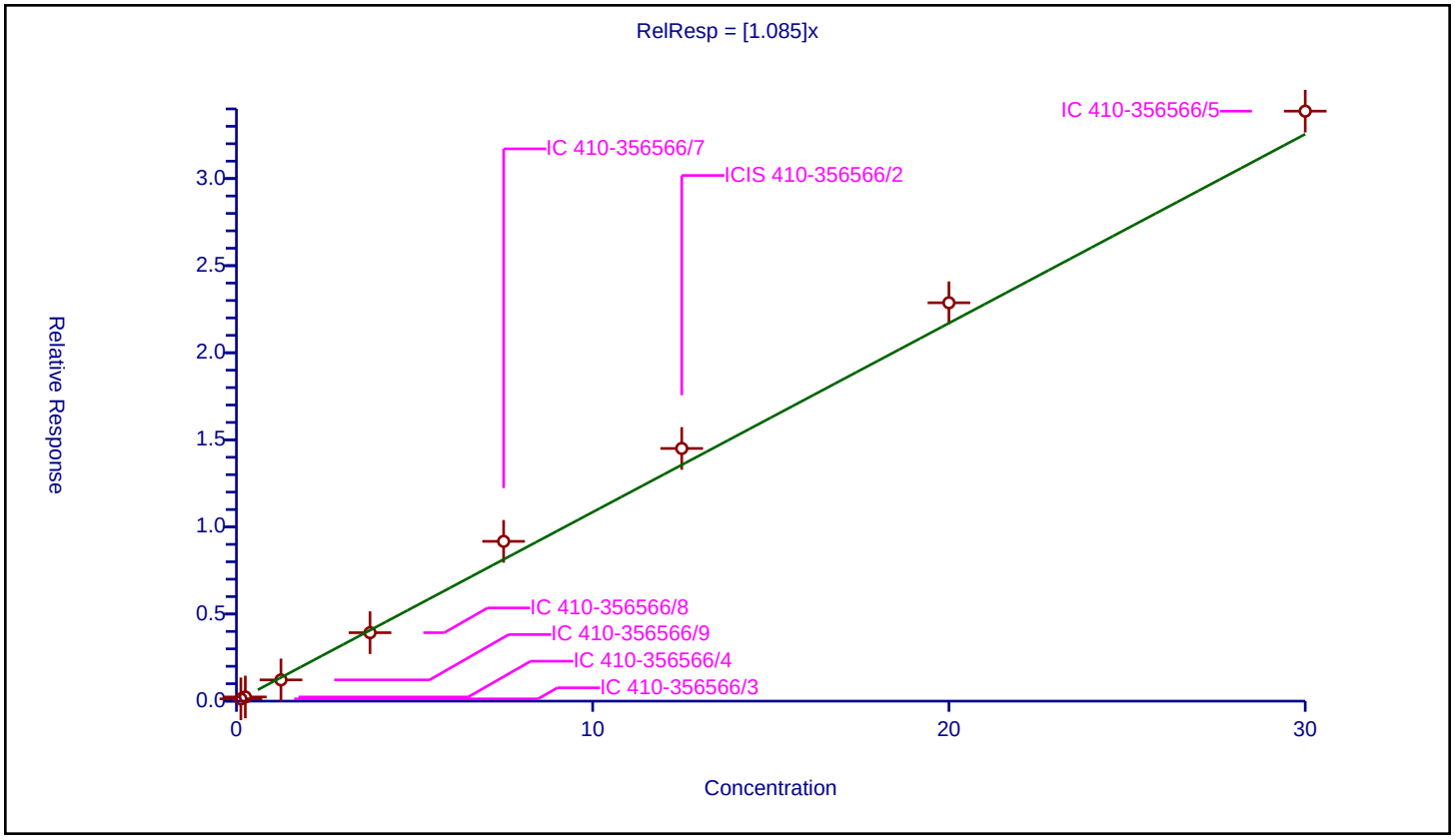
Curve Coefficients

Intercept:	0
Slope:	1.085

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	8.7
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.130555	5.0	271456.0	1.044442	Y
2	IC 410-356566/4	0.25	0.23884	5.0	330095.0	0.955361	Y
3	IC 410-356566/9	1.25	1.21984	5.0	266166.0	0.975872	Y
4	IC 410-356566/8	3.75	3.929961	5.0	385056.0	1.04799	Y
5	IC 410-356566/7	7.5	9.173988	5.0	359317.0	1.223198	Y
6	ICIS 410-356566/2	12.5	14.507224	5.0	394814.0	1.160578	Y
7	IC 410-356566/6	20.0	22.870469	5.0	287683.0	1.143523	Y
8	IC 410-356566/5	30.0	33.872025	5.0	413214.0	1.129068	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

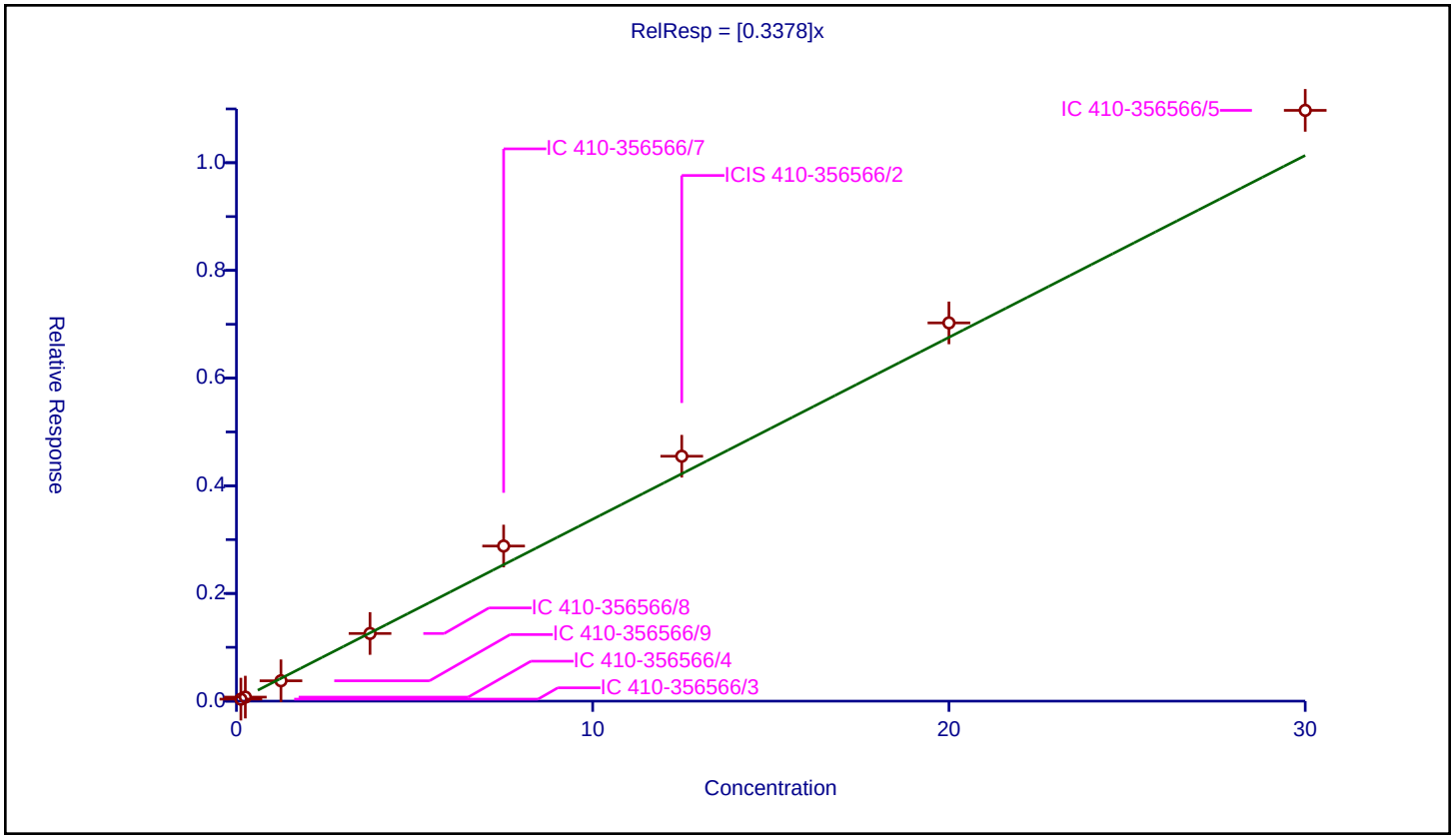
Curve Coefficients

Intercept:	0
Slope:	0.3378

Error Coefficients

Standard Error:	408000
Relative Standard Error:	9.9
Correlation Coefficient:	0.959
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.037465	5.0	271456.0	0.299717	Y
2	IC 410-356566/4	0.25	0.075024	5.0	330095.0	0.300095	Y
3	IC 410-356566/9	1.25	0.37841	5.0	266166.0	0.302728	Y
4	IC 410-356566/8	3.75	1.25696	5.0	385056.0	0.335189	Y
5	IC 410-356566/7	7.5	2.880966	5.0	359317.0	0.384129	Y
6	ICIS 410-356566/2	12.5	4.548826	5.0	394814.0	0.363906	Y
7	IC 410-356566/6	20.0	7.025354	5.0	287683.0	0.351268	Y
8	IC 410-356566/5	30.0	10.97268	5.0	413214.0	0.365756	Y



Calibration / 2-Naphthylamine

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

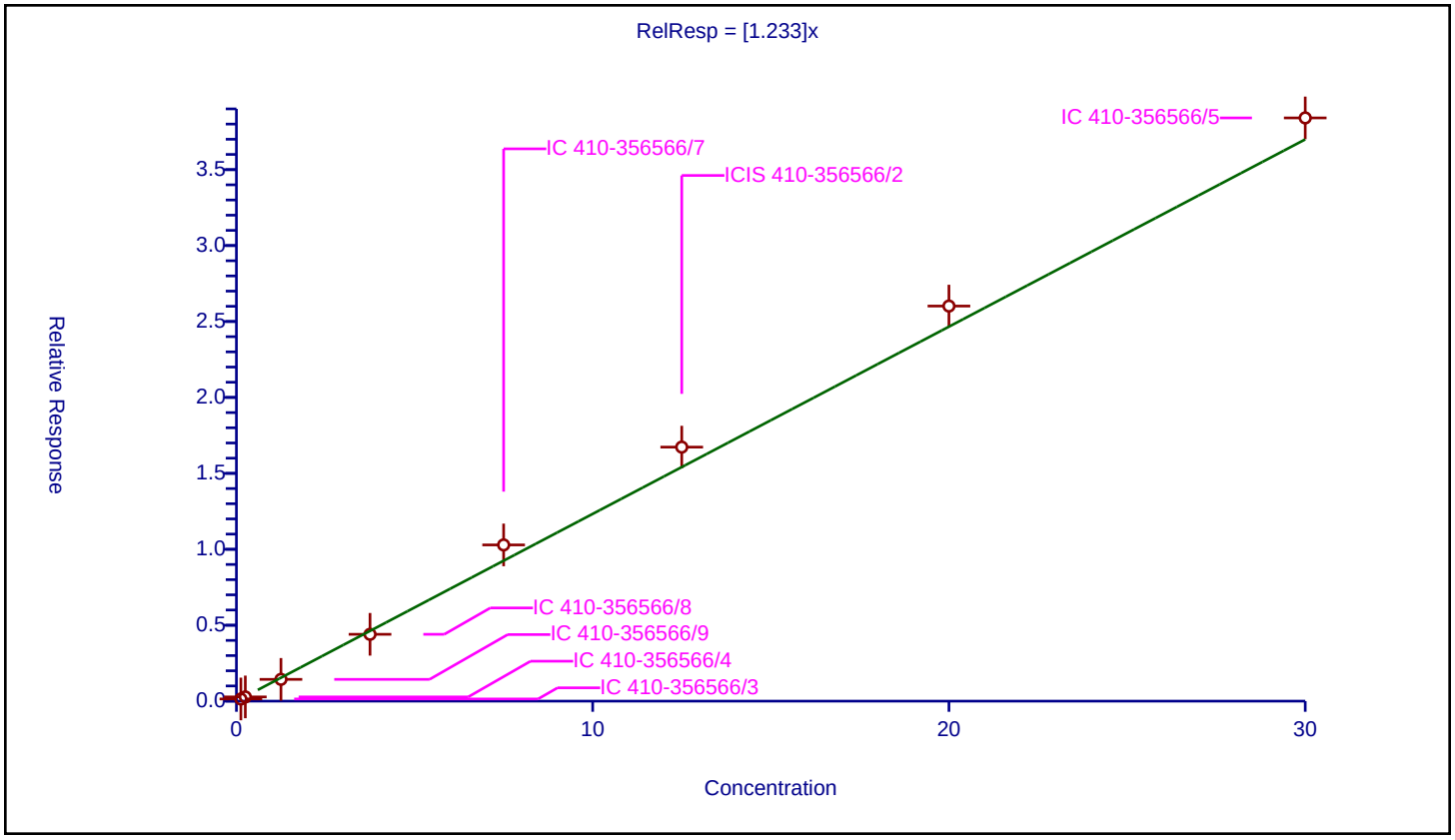
Curve Coefficients

Intercept:	0
Slope:	1.233

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	8.2
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.142878	5.0	271456.0	1.143021	Y
2	IC 410-356566/4	0.25	0.277435	5.0	330095.0	1.109741	Y
3	IC 410-356566/9	1.25	1.43326	5.0	266166.0	1.146608	Y
4	IC 410-356566/8	3.75	4.40197	5.0	385056.0	1.173859	Y
5	IC 410-356566/7	7.5	10.287072	5.0	359317.0	1.37161	Y
6	ICIS 410-356566/2	12.5	16.727649	5.0	394814.0	1.338212	Y
7	IC 410-356566/6	20.0	26.016397	5.0	287683.0	1.30082	Y
8	IC 410-356566/5	30.0	38.405233	5.0	413214.0	1.280174	Y



Calibration / Diethyl phthalate

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

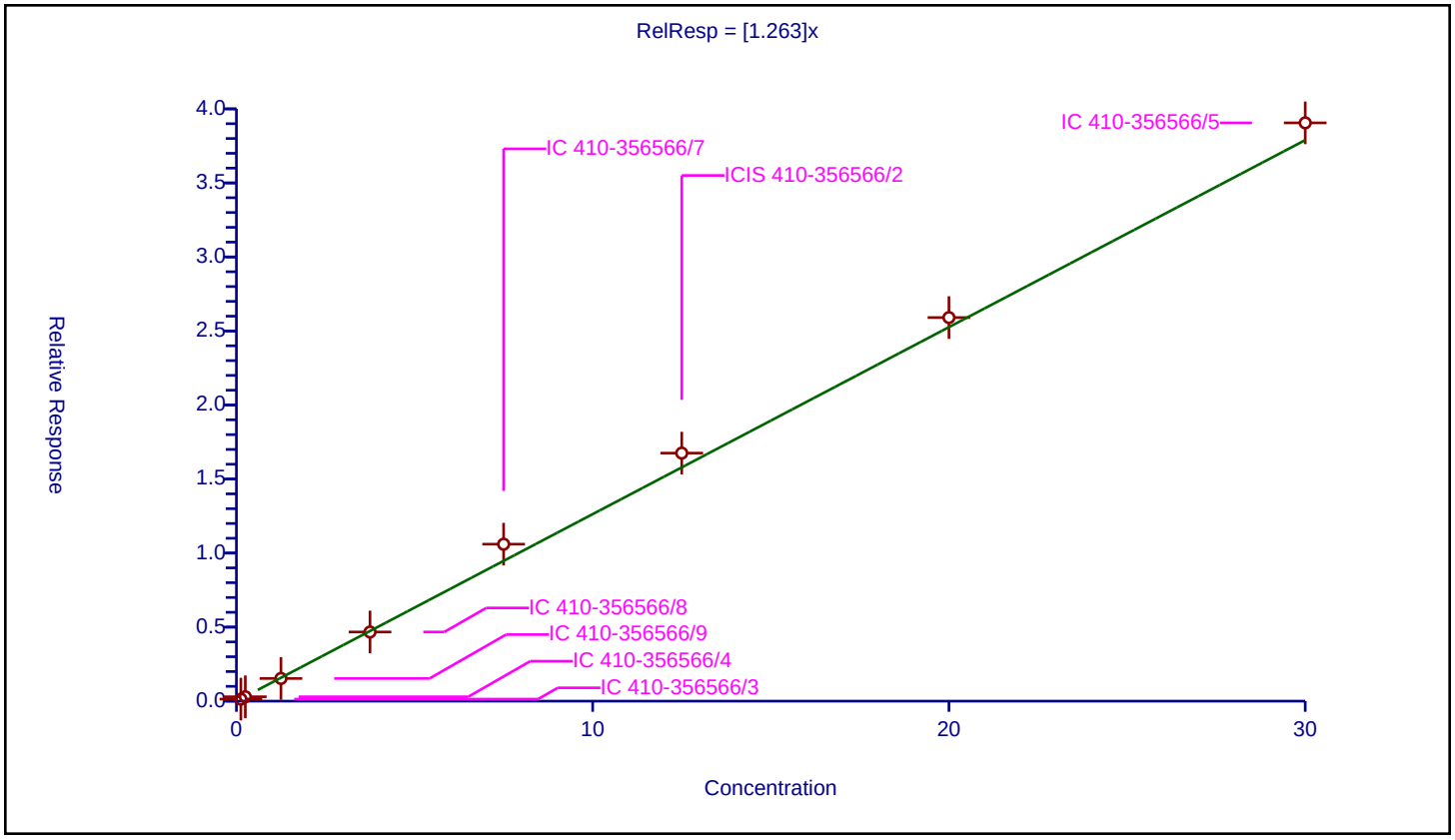
Curve Coefficients

Intercept:	0
Slope:	1.263

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	7.7
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.137776	5.0	271456.0	1.102204	Y
2	IC 410-356566/4	0.25	0.295112	5.0	330095.0	1.180448	Y
3	IC 410-356566/9	1.25	1.530943	5.0	266166.0	1.224754	Y
4	IC 410-356566/8	3.75	4.671528	5.0	385056.0	1.245741	Y
5	IC 410-356566/7	7.5	10.602115	5.0	359317.0	1.413615	Y
6	ICIS 410-356566/2	12.5	16.752445	5.0	394814.0	1.340196	Y
7	IC 410-356566/6	20.0	25.905928	5.0	287683.0	1.295296	Y
8	IC 410-356566/5	30.0	39.055756	5.0	413214.0	1.301859	Y



Calibration / Thionazin

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

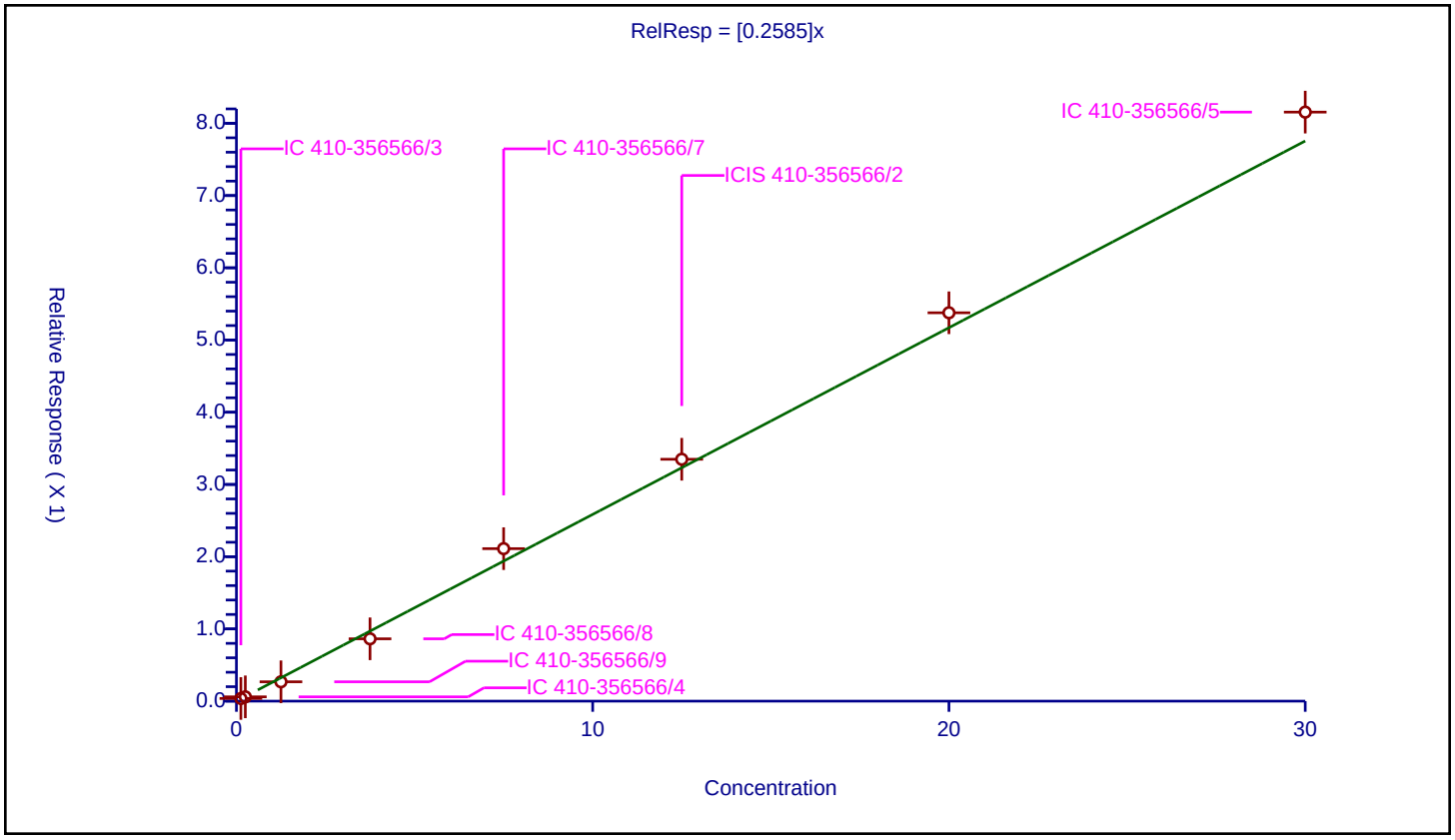
Curve Coefficients

Intercept:	0
Slope:	0.2585

Error Coefficients

Standard Error:	304000
Relative Standard Error:	10.8
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.036949	5.0	271456.0	0.295591	Y
2	IC 410-356566/4	0.25	0.059513	5.0	330095.0	0.238053	Y
3	IC 410-356566/9	1.25	0.267803	5.0	266166.0	0.214242	Y
4	IC 410-356566/8	3.75	0.863199	5.0	385056.0	0.230186	Y
5	IC 410-356566/7	7.5	2.1112	5.0	359317.0	0.281493	Y
6	ICIS 410-356566/2	12.5	3.348957	5.0	394814.0	0.267917	Y
7	IC 410-356566/6	20.0	5.377099	5.0	287683.0	0.268855	Y
8	IC 410-356566/5	30.0	8.155326	5.0	413214.0	0.271844	Y



Calibration / Fluorene

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

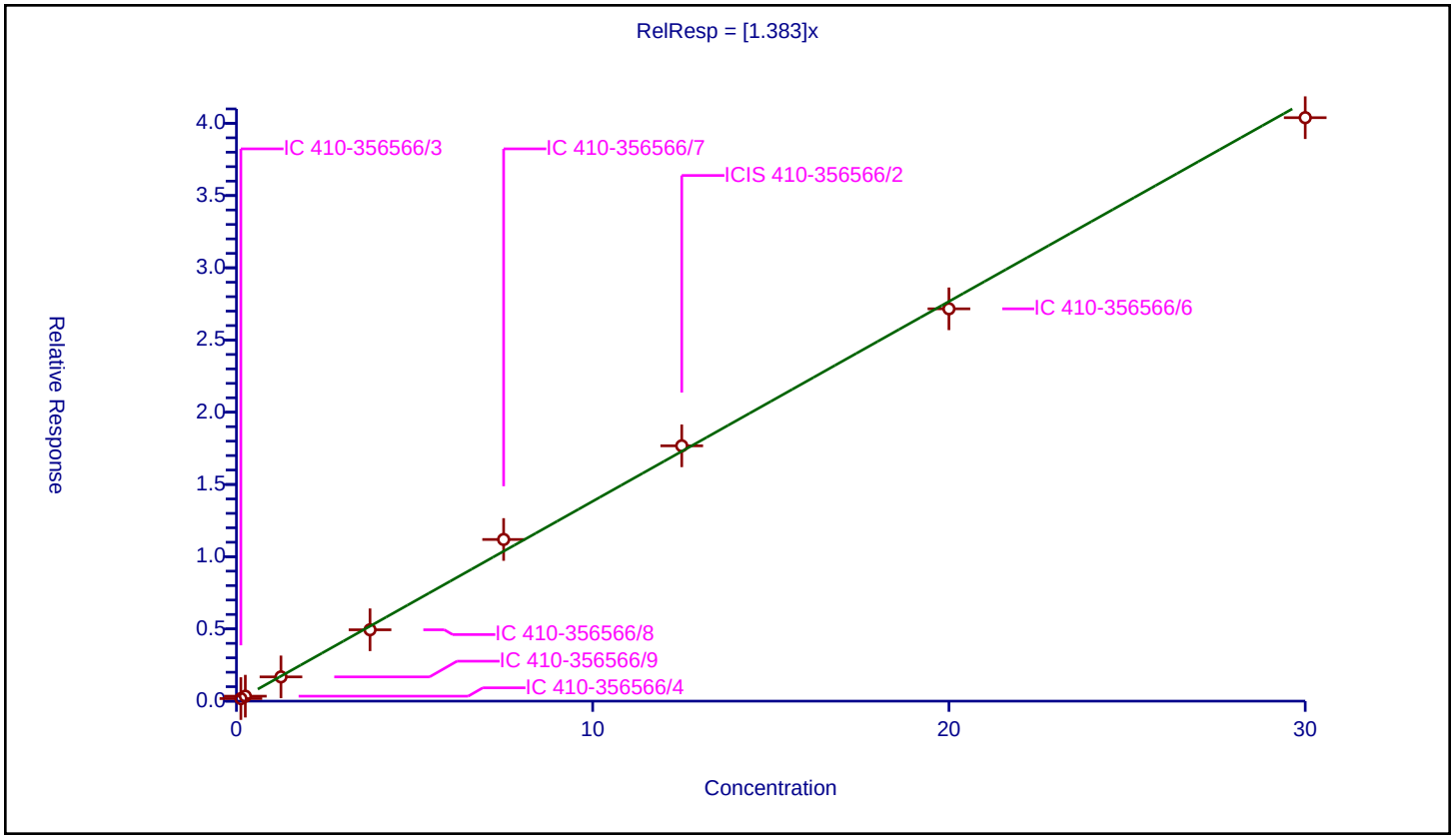
Curve Coefficients

Intercept:	0
Slope:	1.383

Error Coefficients

Standard Error:	1530000
Relative Standard Error:	4.1
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.177911	5.0	271456.0	1.423288	Y
2	IC 410-356566/4	0.25	0.343341	5.0	330095.0	1.373362	Y
3	IC 410-356566/9	1.25	1.678238	5.0	266166.0	1.342591	Y
4	IC 410-356566/8	3.75	4.940567	5.0	385056.0	1.317485	Y
5	IC 410-356566/7	7.5	11.191371	5.0	359317.0	1.492183	Y
6	ICIS 410-356566/2	12.5	17.674943	5.0	394814.0	1.413995	Y
7	IC 410-356566/6	20.0	27.16092	5.0	287683.0	1.358046	Y
8	IC 410-356566/5	30.0	40.391795	5.0	413214.0	1.346393	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

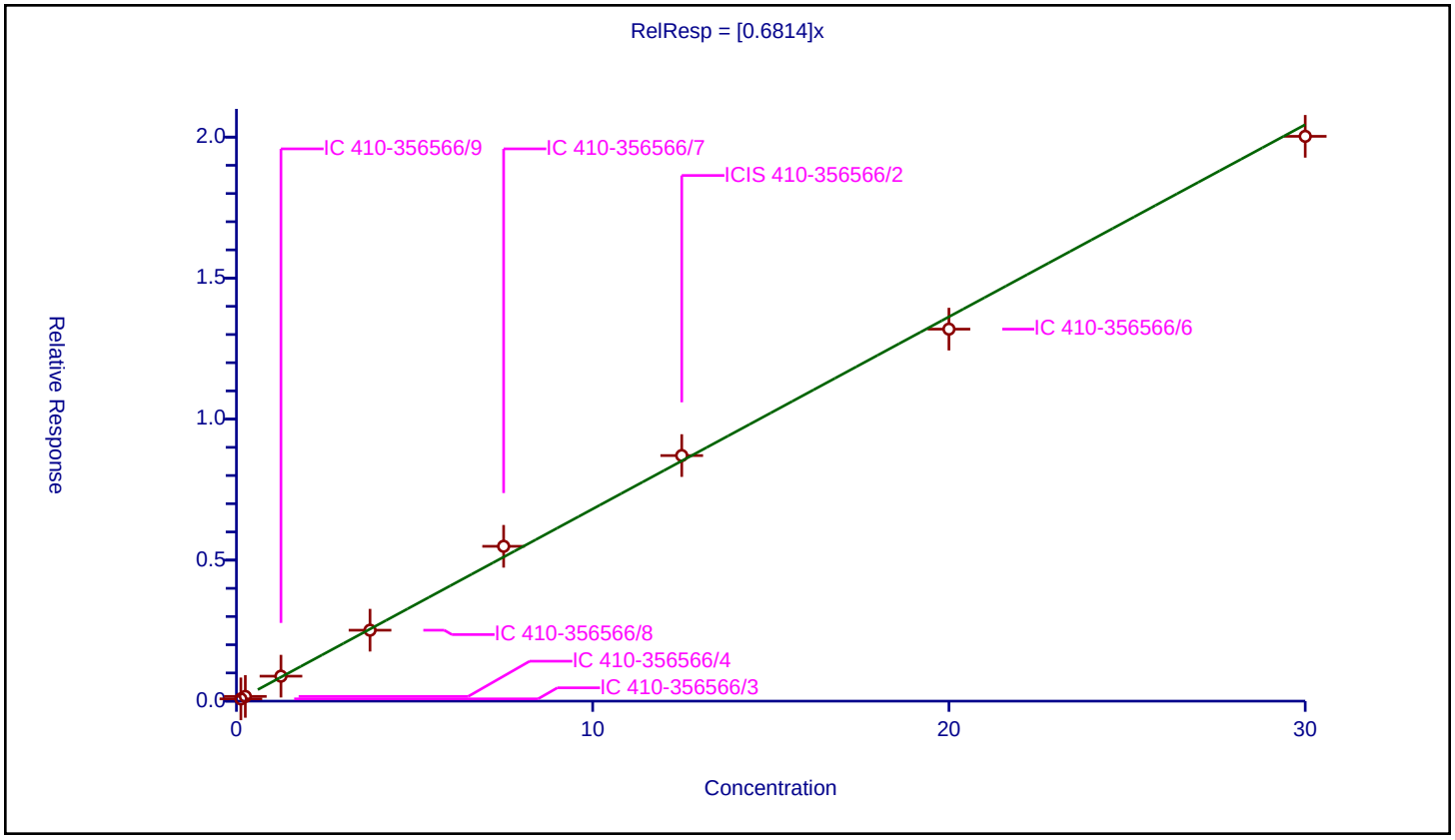
Curve Coefficients

Intercept:	0
Slope:	0.6814

Error Coefficients

Standard Error:	754000
Relative Standard Error:	4.2
Correlation Coefficient:	0.961
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.080694	5.0	271456.0	0.645556	Y
2	IC 410-356566/4	0.25	0.1678	5.0	330095.0	0.671201	Y
3	IC 410-356566/9	1.25	0.884918	5.0	266166.0	0.707934	Y
4	IC 410-356566/8	3.75	2.515076	5.0	385056.0	0.670687	Y
5	IC 410-356566/7	7.5	5.490166	5.0	359317.0	0.732022	Y
6	ICIS 410-356566/2	12.5	8.708164	5.0	394814.0	0.696653	Y
7	IC 410-356566/6	20.0	13.191238	5.0	287683.0	0.659562	Y
8	IC 410-356566/5	30.0	20.027734	5.0	413214.0	0.667591	Y



Calibration / 4-Nitroaniline

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

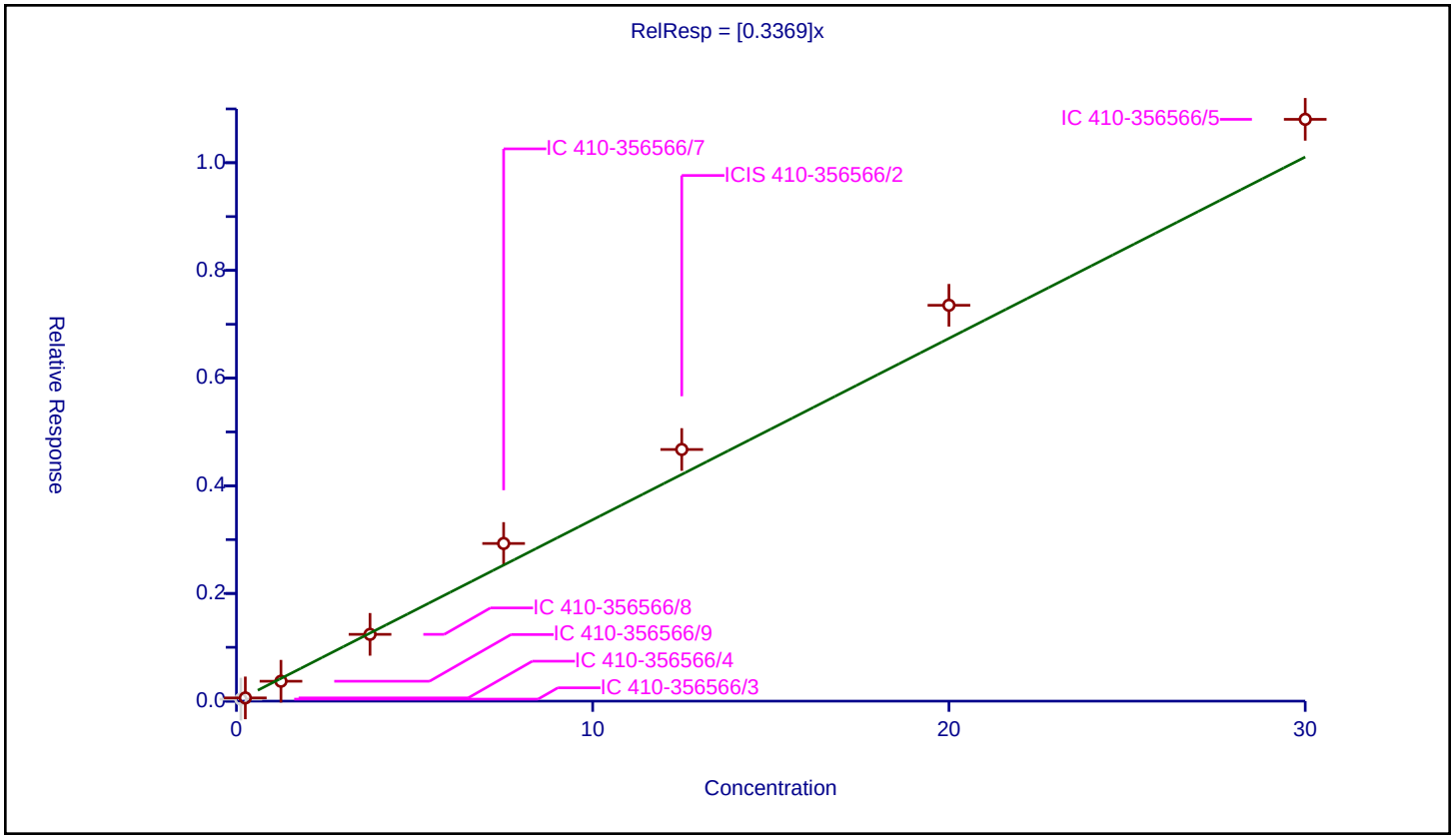
Curve Coefficients

Intercept:	0
Slope:	0.3369

Error Coefficients

Standard Error:	441000
Relative Standard Error:	15.8
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.037115	5.0	271456.0	0.296917	N
2	IC 410-356566/4	0.25	0.059877	5.0	330095.0	0.239507	Y
3	IC 410-356566/9	1.25	0.369713	5.0	266166.0	0.29577	Y
4	IC 410-356566/8	3.75	1.240352	5.0	385056.0	0.330761	Y
5	IC 410-356566/7	7.5	2.928069	5.0	359317.0	0.390409	Y
6	ICIS 410-356566/2	12.5	4.674125	5.0	394814.0	0.37393	Y
7	IC 410-356566/6	20.0	7.352746	5.0	287683.0	0.367637	Y
8	IC 410-356566/5	30.0	10.80618	5.0	413214.0	0.360206	Y



Calibration / N-Nitro-o-toluidine

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

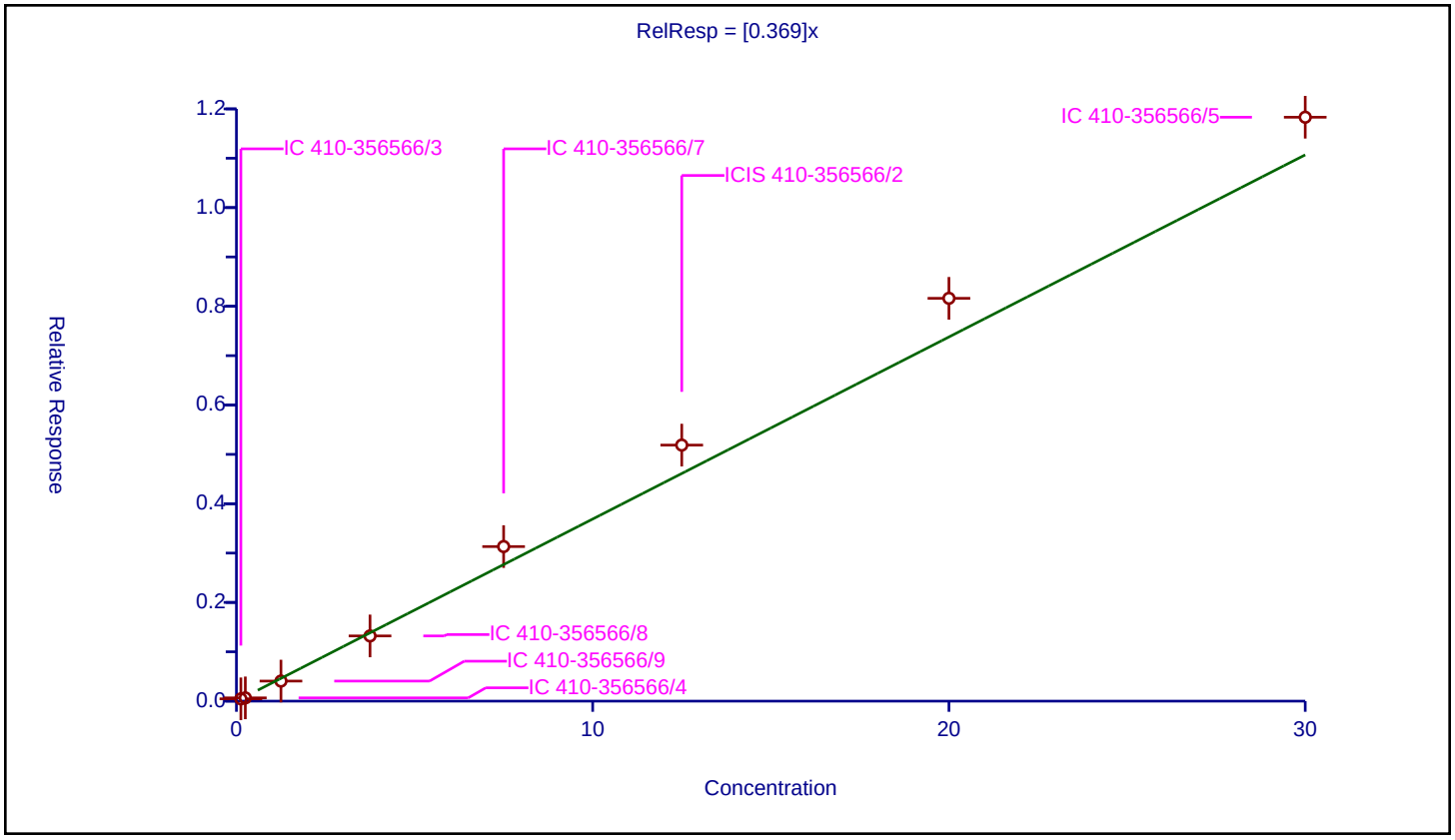
Curve Coefficients

Intercept:	0
Slope:	0.369

Error Coefficients

Standard Error:	448000
Relative Standard Error:	14.5
Correlation Coefficient:	0.970
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.046858	5.0	271456.0	0.374867	Y
2	IC 410-356566/4	0.25	0.065966	5.0	330095.0	0.263863	Y
3	IC 410-356566/9	1.25	0.406814	5.0	266166.0	0.325451	Y
4	IC 410-356566/8	3.75	1.32121	5.0	385056.0	0.352323	Y
5	IC 410-356566/7	7.5	3.13197	5.0	359317.0	0.417596	Y
6	ICIS 410-356566/2	12.5	5.188076	5.0	394814.0	0.415046	Y
7	IC 410-356566/6	20.0	8.162109	5.0	287683.0	0.408105	Y
8	IC 410-356566/5	30.0	11.831013	5.0	413214.0	0.394367	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

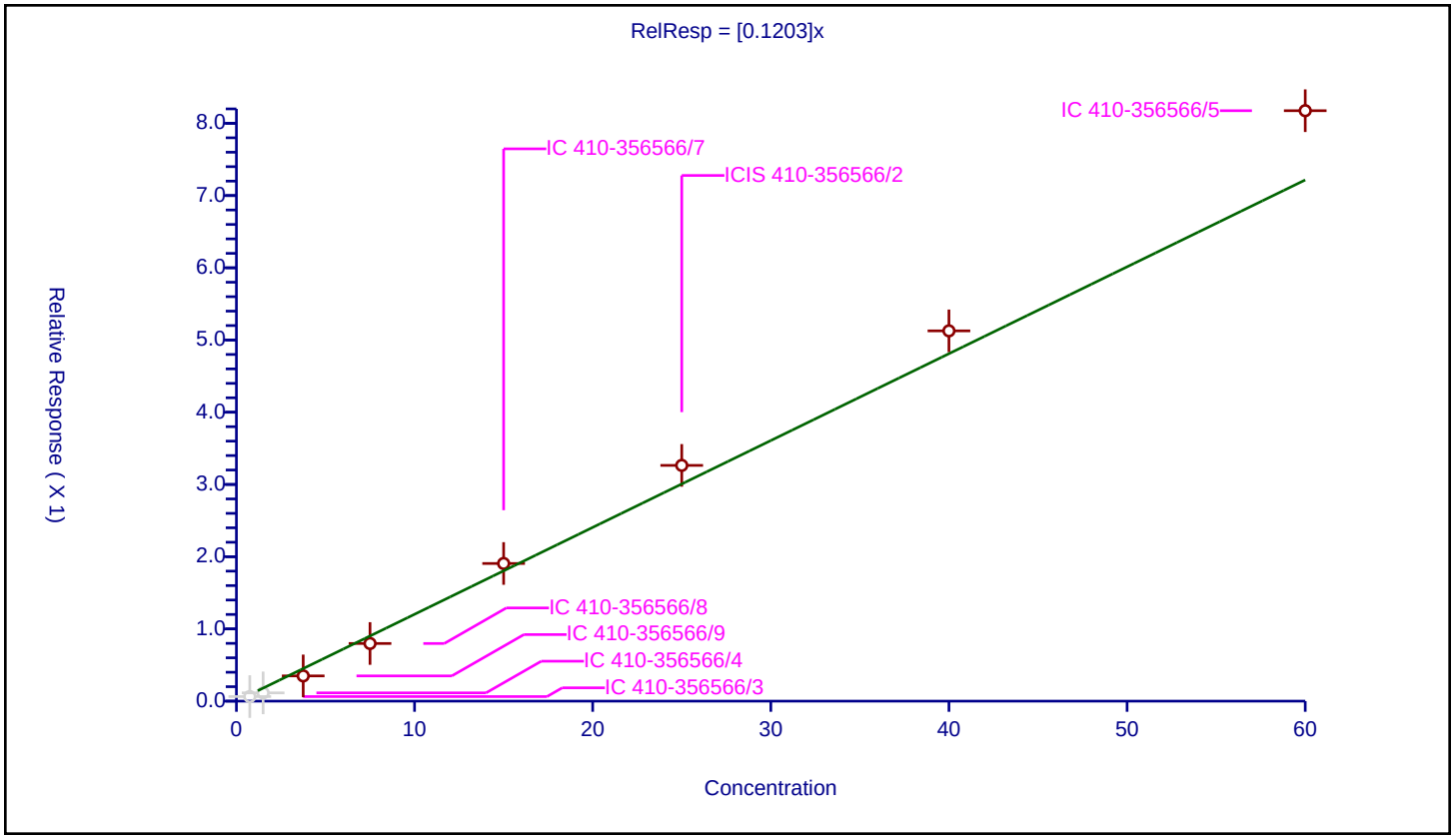
Curve Coefficients

Intercept:	0
Slope:	0.1203

Error Coefficients

Standard Error:	662000
Relative Standard Error:	13.9
Correlation Coefficient:	0.951
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.75	0.063173	5.0	475833.0	0.084231	N
2	IC 410-356566/4	1.5	0.114623	5.0	606597.0	0.076415	N
3	IC 410-356566/9	3.75	0.349251	5.0	492354.0	0.093134	Y
4	IC 410-356566/8	7.5	0.798314	5.0	704829.0	0.106442	Y
5	IC 410-356566/7	15.0	1.905805	5.0	683593.0	0.127054	Y
6	ICIS 410-356566/2	25.0	3.264008	5.0	755591.0	0.13056	Y
7	IC 410-356566/6	40.0	5.126893	5.0	545223.0	0.128172	Y
8	IC 410-356566/5	60.0	8.174814	5.0	762443.0	0.136247	Y



Calibration / N-Nitrosodiphenylamine

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

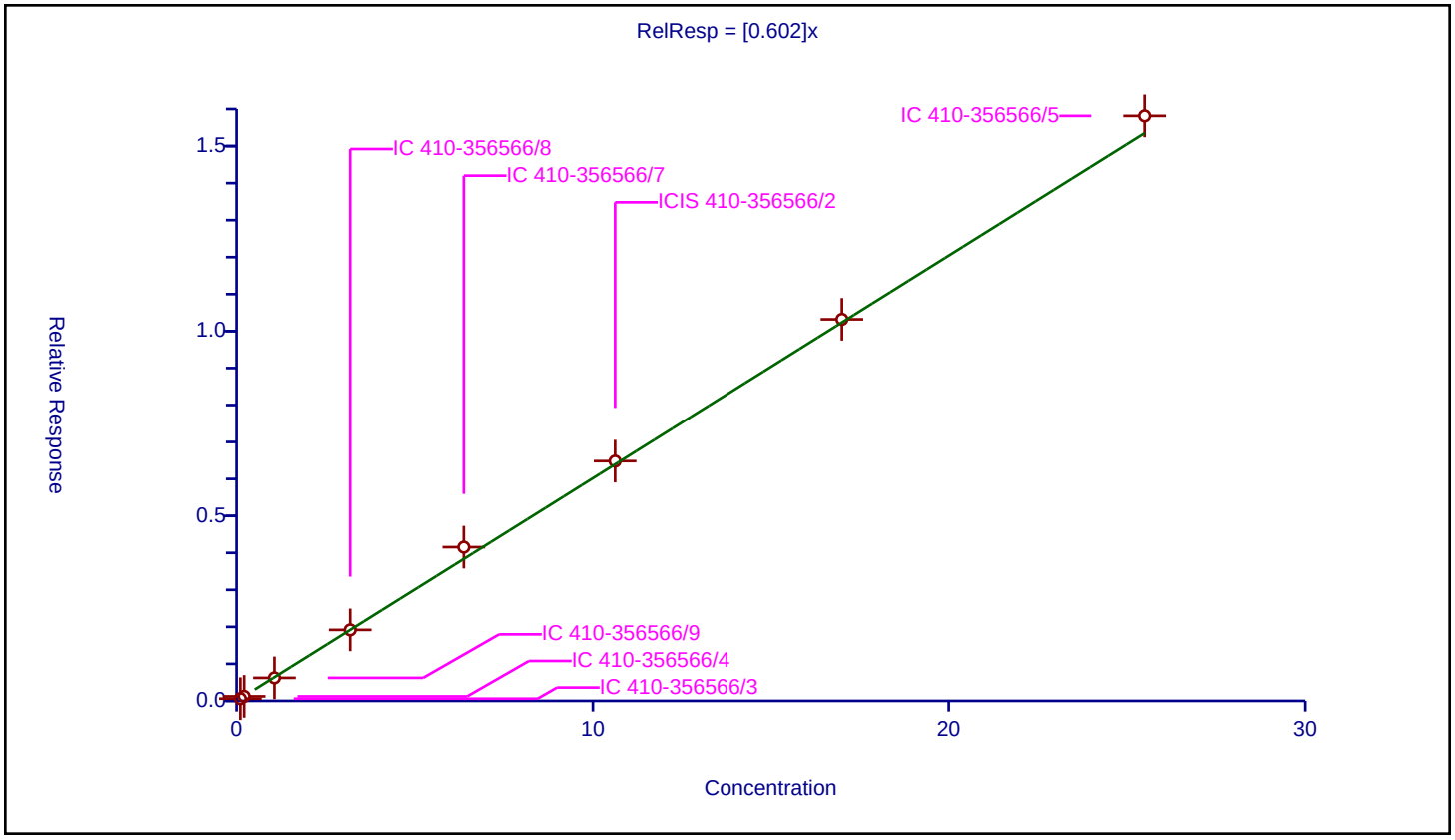
Curve Coefficients

Intercept:	0
Slope:	0.602

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	4.6
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.10625	0.060084	5.0	475833.0	0.565497	Y
2	IC 410-356566/4	0.2125	0.121943	5.0	606597.0	0.573847	Y
3	IC 410-356566/9	1.0625	0.622063	5.0	492354.0	0.585471	Y
4	IC 410-356566/8	3.1875	1.91887	5.0	704829.0	0.601998	Y
5	IC 410-356566/7	6.375	4.155711	5.0	683593.0	0.651876	Y
6	ICIS 410-356566/2	10.625	6.482522	5.0	755591.0	0.61012	Y
7	IC 410-356566/6	17.0	10.318283	5.0	545223.0	0.606958	Y
8	IC 410-356566/5	25.5	15.815097	5.0	762443.0	0.6202	Y



Calibration / 1,2-Diphenylhydrazine

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

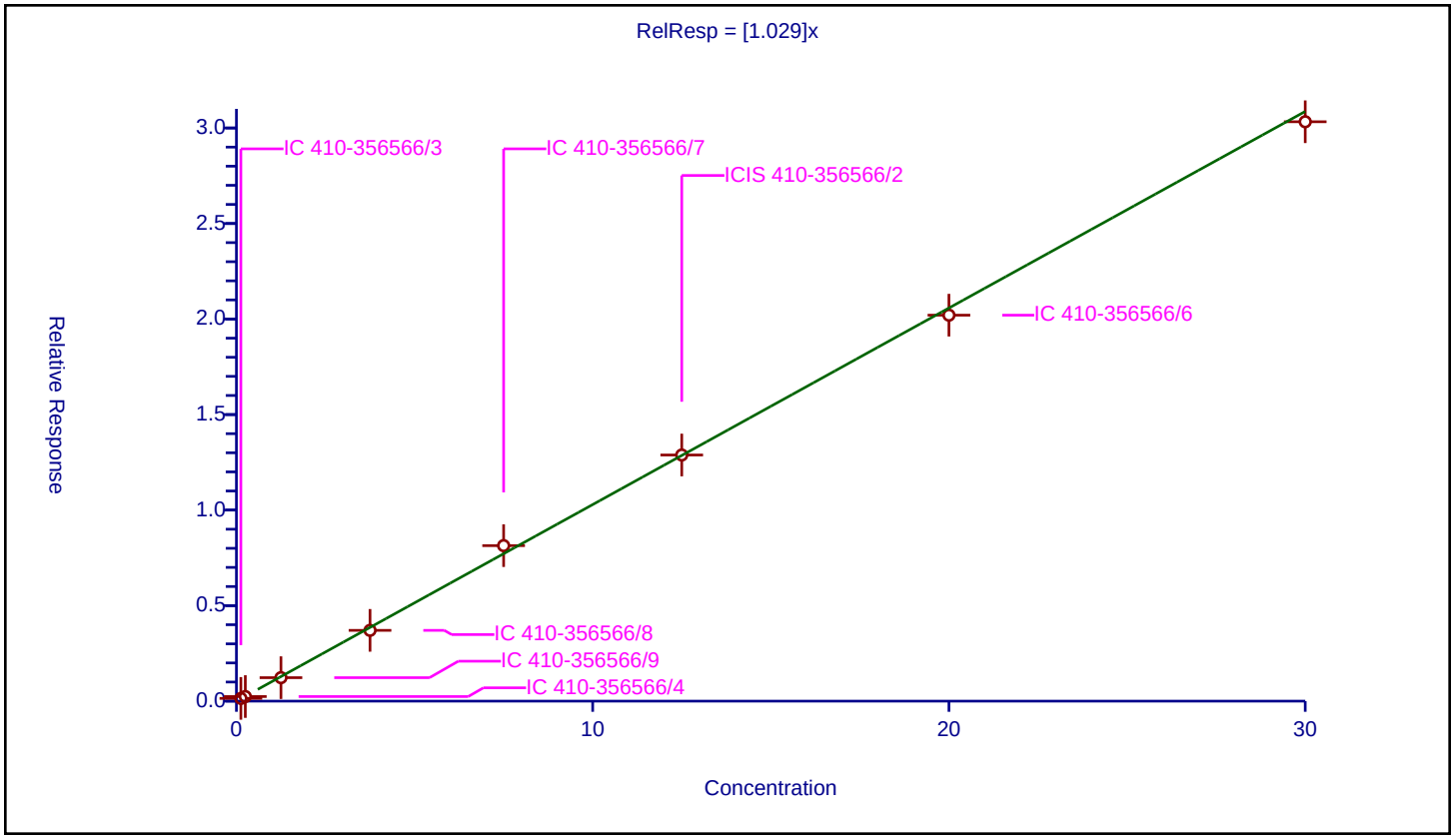
Curve Coefficients

Intercept:	0
Slope:	1.029

Error Coefficients

Standard Error:	2120000
Relative Standard Error:	6.2
Correlation Coefficient:	0.968
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.144841	5.0	475833.0	1.158726	Y
2	IC 410-356566/4	0.25	0.240959	5.0	606597.0	0.963836	Y
3	IC 410-356566/9	1.25	1.22876	5.0	492354.0	0.983008	Y
4	IC 410-356566/8	3.75	3.705502	5.0	704829.0	0.988134	Y
5	IC 410-356566/7	7.5	8.139902	5.0	683593.0	1.08532	Y
6	ICIS 410-356566/2	12.5	12.884199	5.0	755591.0	1.030736	Y
7	IC 410-356566/6	20.0	20.202981	5.0	545223.0	1.010149	Y
8	IC 410-356566/5	30.0	30.327126	5.0	762443.0	1.010904	Y



Calibration / 2,4,6-Tribromophenol

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

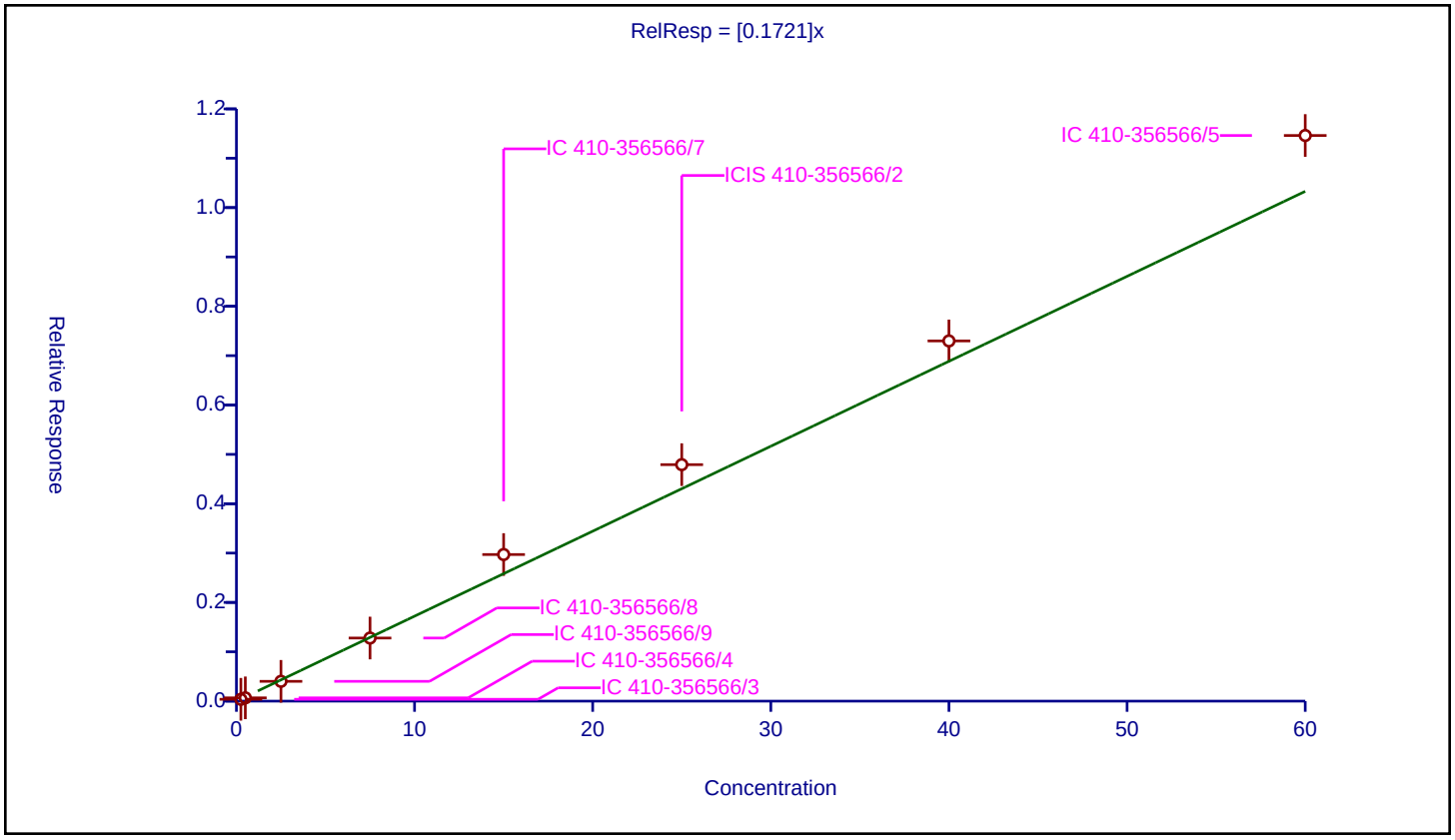
Curve Coefficients

Intercept:	0
Slope:	0.1721

Error Coefficients

Standard Error:	426000
Relative Standard Error:	13.3
Correlation Coefficient:	0.958
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.25	0.037299	5.0	271456.0	0.149195	Y
2	IC 410-356566/4	0.5	0.06689	5.0	330095.0	0.13378	Y
3	IC 410-356566/9	2.5	0.401385	5.0	266166.0	0.160554	Y
4	IC 410-356566/8	7.5	1.27858	5.0	385056.0	0.170477	Y
5	IC 410-356566/7	15.0	2.970664	5.0	359317.0	0.198044	Y
6	ICIS 410-356566/2	25.0	4.791775	5.0	394814.0	0.191671	Y
7	IC 410-356566/6	40.0	7.298346	5.0	287683.0	0.182459	Y
8	IC 410-356566/5	60.0	11.461059	5.0	413214.0	0.191018	Y



Calibration / Sulfotepp

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

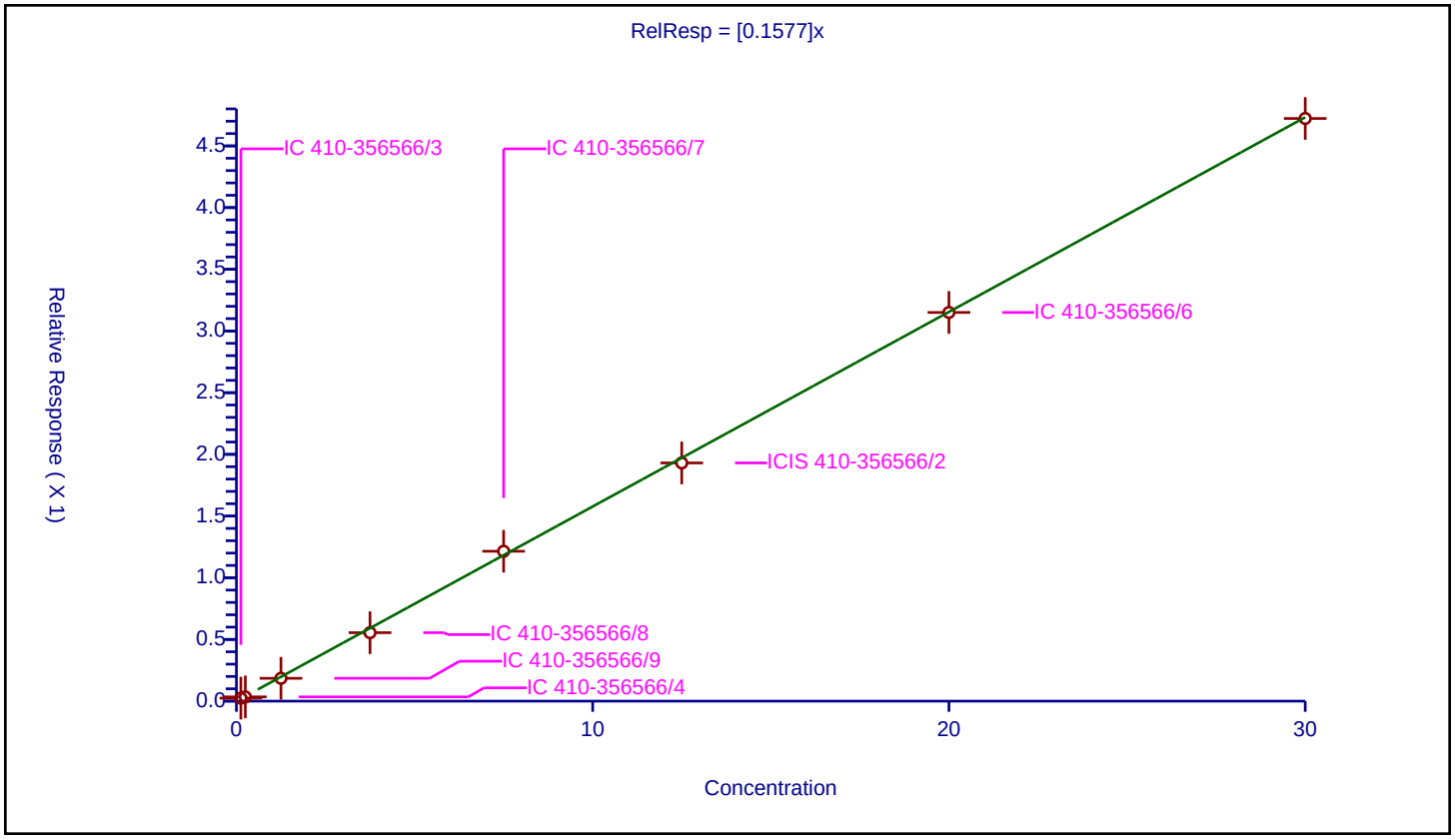
Curve Coefficients

Intercept:	0
Slope:	0.1577

Error Coefficients

Standard Error:	329000
Relative Standard Error:	11.1
Correlation Coefficient:	0.969
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.024588	5.0	475833.0	0.196708	Y
2	IC 410-356566/4	0.25	0.034438	5.0	606597.0	0.137752	Y
3	IC 410-356566/9	1.25	0.18506	5.0	492354.0	0.148048	Y
4	IC 410-356566/8	3.75	0.554908	5.0	704829.0	0.147975	Y
5	IC 410-356566/7	7.5	1.214831	5.0	683593.0	0.161977	Y
6	ICIS 410-356566/2	12.5	1.930628	5.0	755591.0	0.15445	Y
7	IC 410-356566/6	20.0	3.150179	5.0	545223.0	0.157509	Y
8	IC 410-356566/5	30.0	4.722327	5.0	762443.0	0.157411	Y



Calibration / 1,3,5-Trinitrobenzene

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

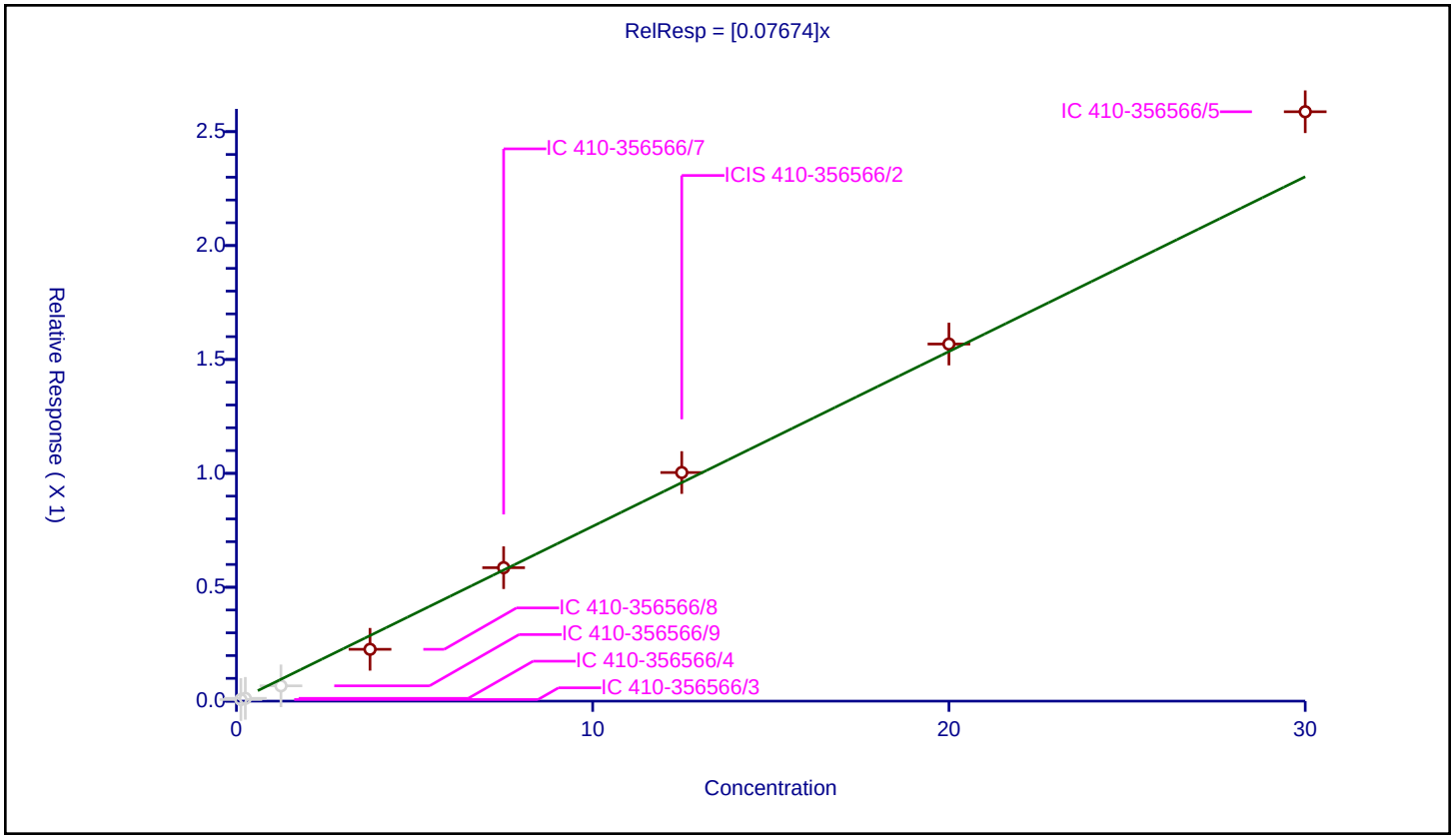
Curve Coefficients

Intercept:	0
Slope:	0.07674

Error Coefficients

Standard Error:	232000
Relative Standard Error:	12.5
Correlation Coefficient:	0.932
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.007061	5.0	475833.0	0.05649	N
2	IC 410-356566/4	0.25	0.01224	5.0	606597.0	0.048962	N
3	IC 410-356566/9	1.25	0.067126	5.0	492354.0	0.053701	N
4	IC 410-356566/8	3.75	0.227552	5.0	704829.0	0.06068	Y
5	IC 410-356566/7	7.5	0.585904	5.0	683593.0	0.078121	Y
6	ICIS 410-356566/2	12.5	1.003599	5.0	755591.0	0.080288	Y
7	IC 410-356566/6	20.0	1.567643	5.0	545223.0	0.078382	Y
8	IC 410-356566/5	30.0	2.587485	5.0	762443.0	0.08625	Y



Calibration / cis-Diallate

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

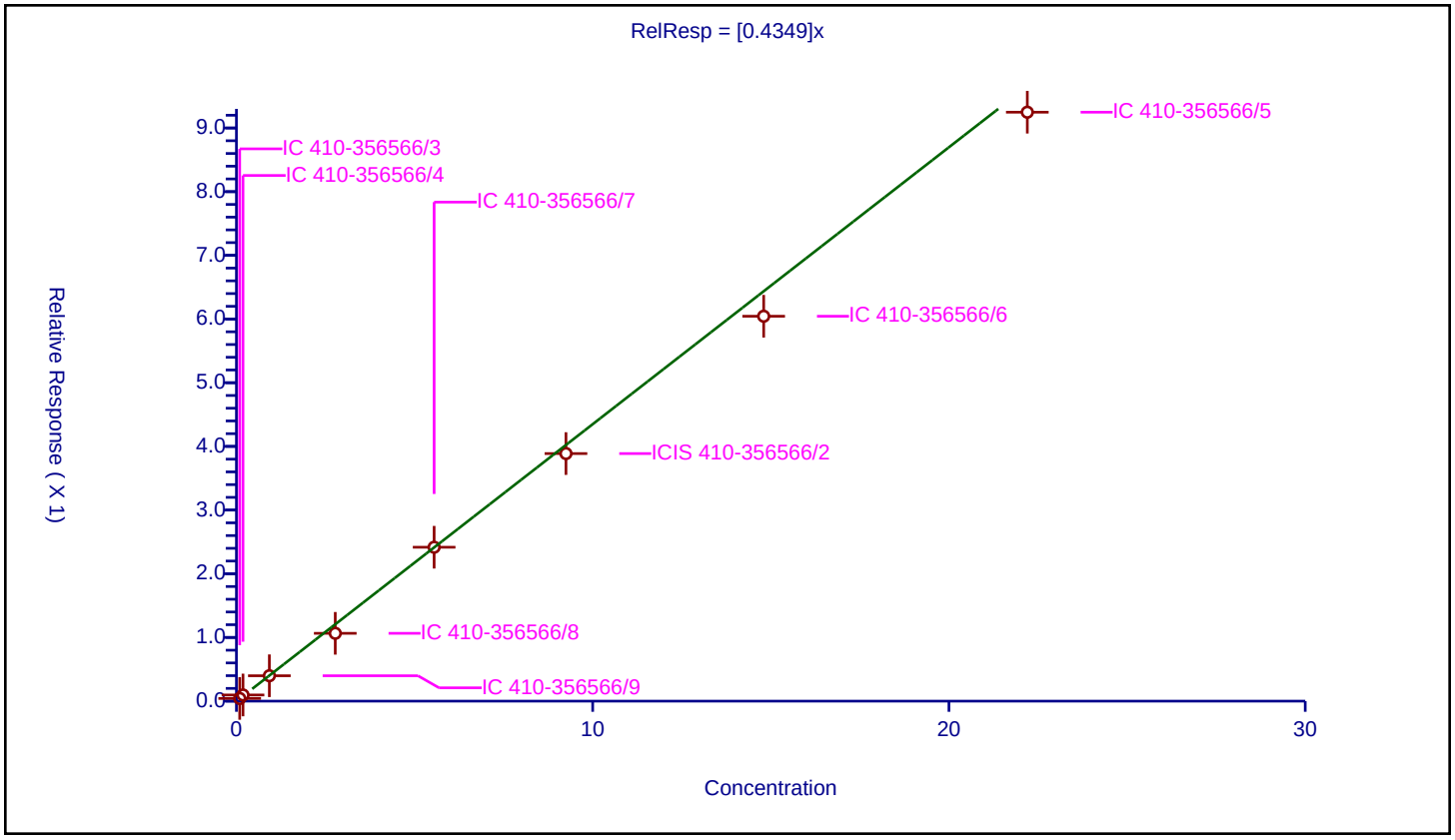
Curve Coefficients

Intercept:	0
Slope:	0.4349

Error Coefficients

Standard Error:	644000
Relative Standard Error:	9.7
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.0925	0.042515	5.0	475833.0	0.459621	Y
2	IC 410-356566/4	0.185	0.096909	5.0	606597.0	0.523835	Y
3	IC 410-356566/9	0.925	0.398798	5.0	492354.0	0.431133	Y
4	IC 410-356566/8	2.775	1.064882	5.0	704829.0	0.383741	Y
5	IC 410-356566/7	5.55	2.416928	5.0	683593.0	0.435483	Y
6	ICIS 410-356566/2	9.25	3.887864	5.0	755591.0	0.42031	Y
7	IC 410-356566/6	14.8	6.044132	5.0	545223.0	0.408387	Y
8	IC 410-356566/5	22.2	9.248068	5.0	762443.0	0.41658	Y



Calibration / Phenacetin

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

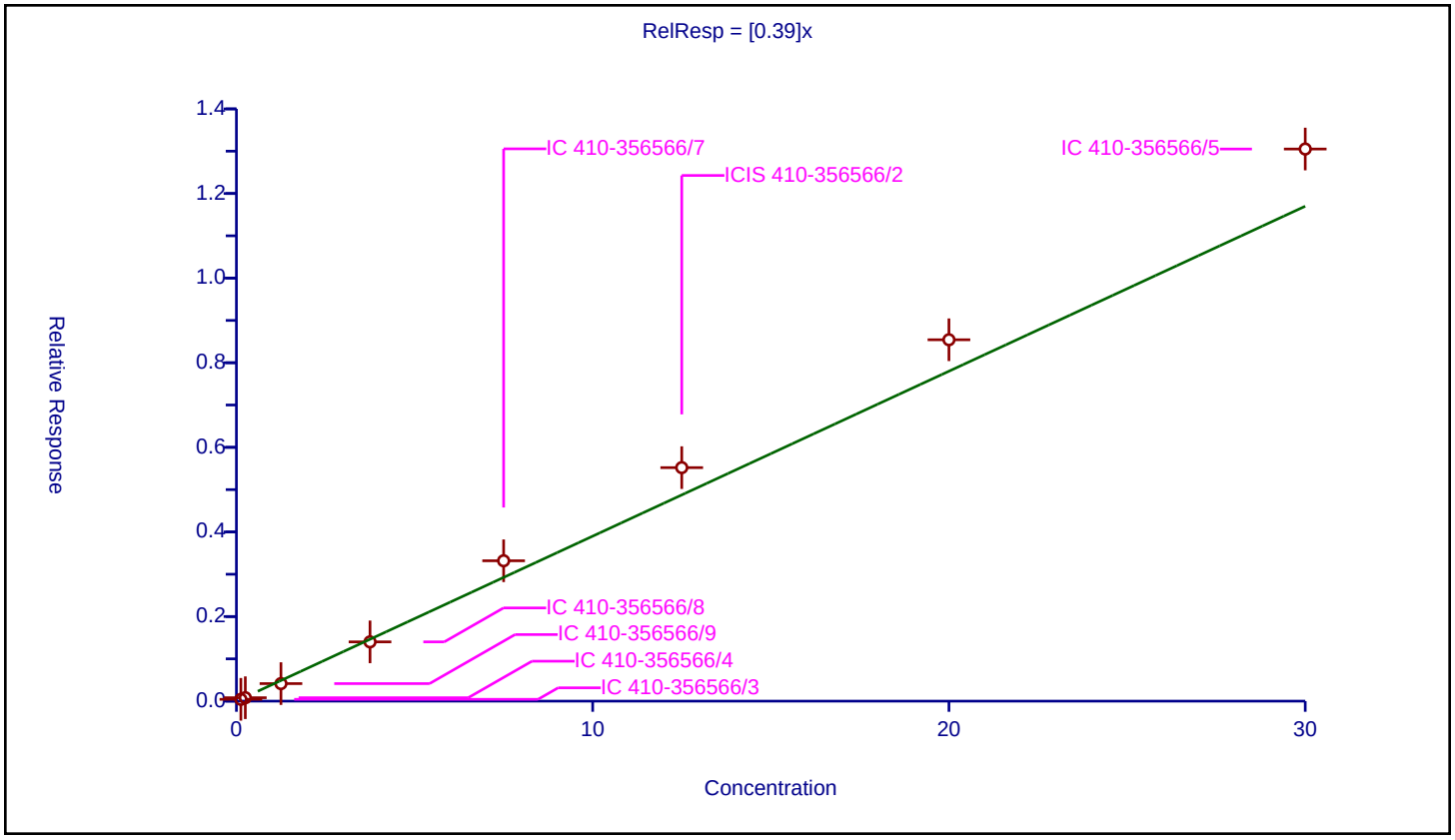
Curve Coefficients

Intercept:	0
Slope:	0.39

Error Coefficients

Standard Error:	908000
Relative Standard Error:	13.4
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.043219	5.0	475833.0	0.345752	Y
2	IC 410-356566/4	0.25	0.080622	5.0	606597.0	0.322488	Y
3	IC 410-356566/9	1.25	0.414722	5.0	492354.0	0.331778	Y
4	IC 410-356566/8	3.75	1.400872	5.0	704829.0	0.373566	Y
5	IC 410-356566/7	7.5	3.318027	5.0	683593.0	0.442404	Y
6	ICIS 410-356566/2	12.5	5.519726	5.0	755591.0	0.441578	Y
7	IC 410-356566/6	20.0	8.542404	5.0	545223.0	0.42712	Y
8	IC 410-356566/5	30.0	13.050917	5.0	762443.0	0.435031	Y



Calibration / Phorate

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

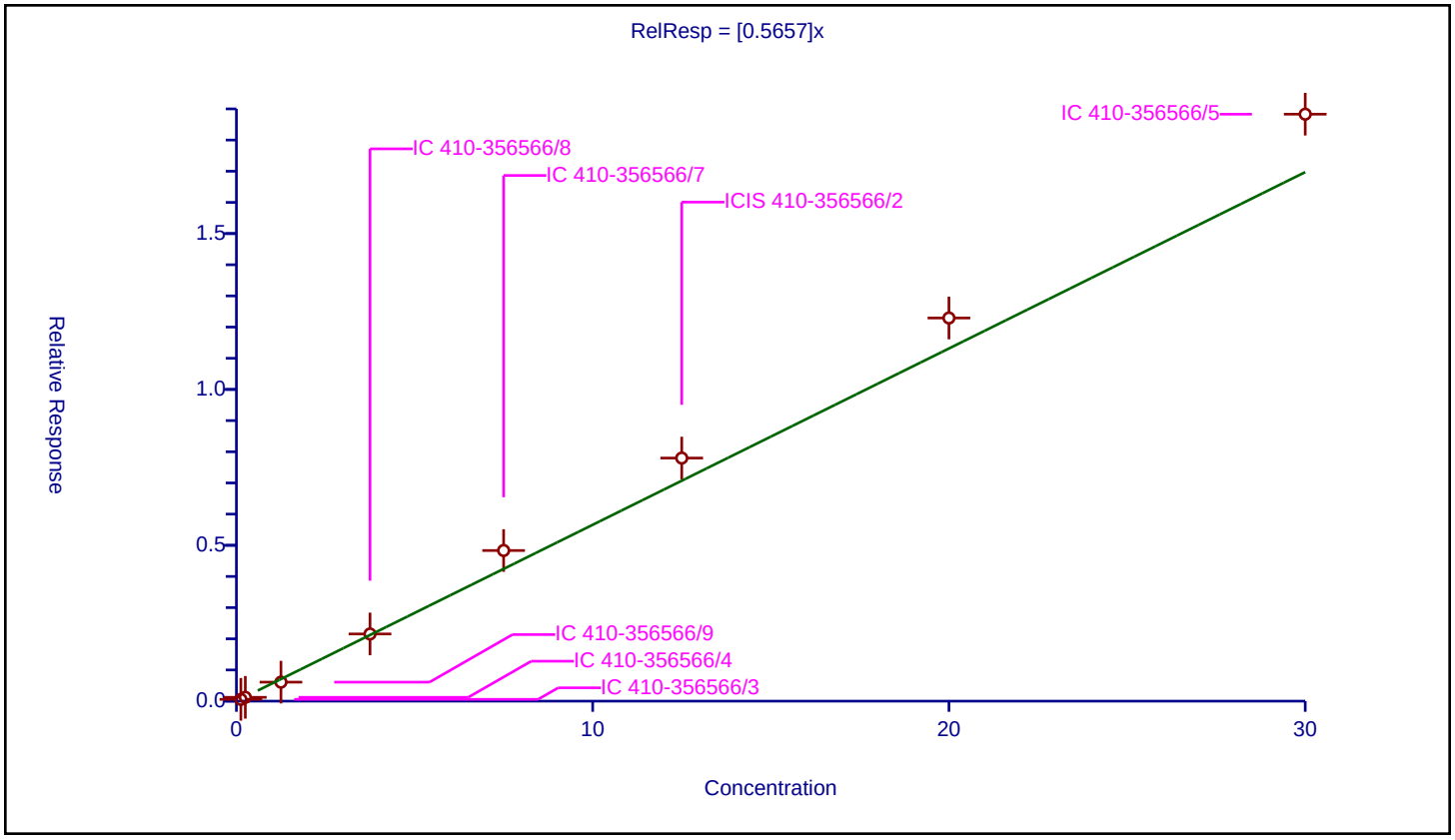
Curve Coefficients

Intercept:	0
Slope:	0.5657

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	13.1
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.057678	5.0	475833.0	0.461422	Y
2	IC 410-356566/4	0.25	0.122808	5.0	606597.0	0.491232	Y
3	IC 410-356566/9	1.25	0.609683	5.0	492354.0	0.487747	Y
4	IC 410-356566/8	3.75	2.155012	5.0	704829.0	0.57467	Y
5	IC 410-356566/7	7.5	4.832517	5.0	683593.0	0.644336	Y
6	ICIS 410-356566/2	12.5	7.797903	5.0	755591.0	0.623832	Y
7	IC 410-356566/6	20.0	12.29142	5.0	545223.0	0.614571	Y
8	IC 410-356566/5	30.0	18.830247	5.0	762443.0	0.627675	Y



Calibration / Dimethoate

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

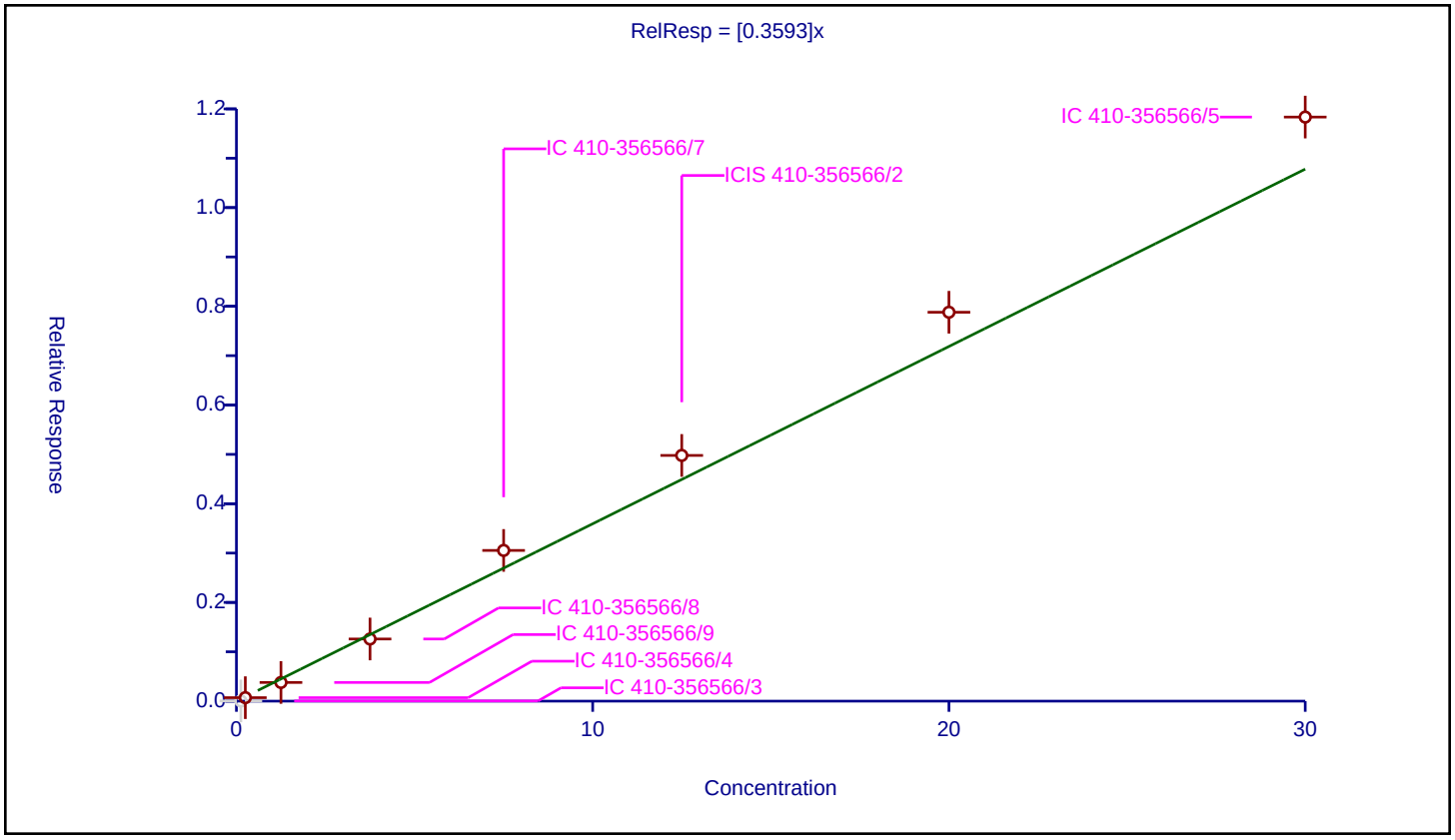
Curve Coefficients

Intercept:	0
Slope:	0.3593

Error Coefficients

Standard Error:	891000
Relative Standard Error:	14.3
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.003856	5.0	475833.0	0.030851	N
2	IC 410-356566/4	0.25	0.070656	5.0	606597.0	0.282626	Y
3	IC 410-356566/9	1.25	0.378681	5.0	492354.0	0.302945	Y
4	IC 410-356566/8	3.75	1.259383	5.0	704829.0	0.335836	Y
5	IC 410-356566/7	7.5	3.053535	5.0	683593.0	0.407138	Y
6	ICIS 410-356566/2	12.5	4.978315	5.0	755591.0	0.398265	Y
7	IC 410-356566/6	20.0	7.879849	5.0	545223.0	0.393992	Y
8	IC 410-356566/5	30.0	11.834281	5.0	762443.0	0.394476	Y



Calibration / trans-Diallate

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

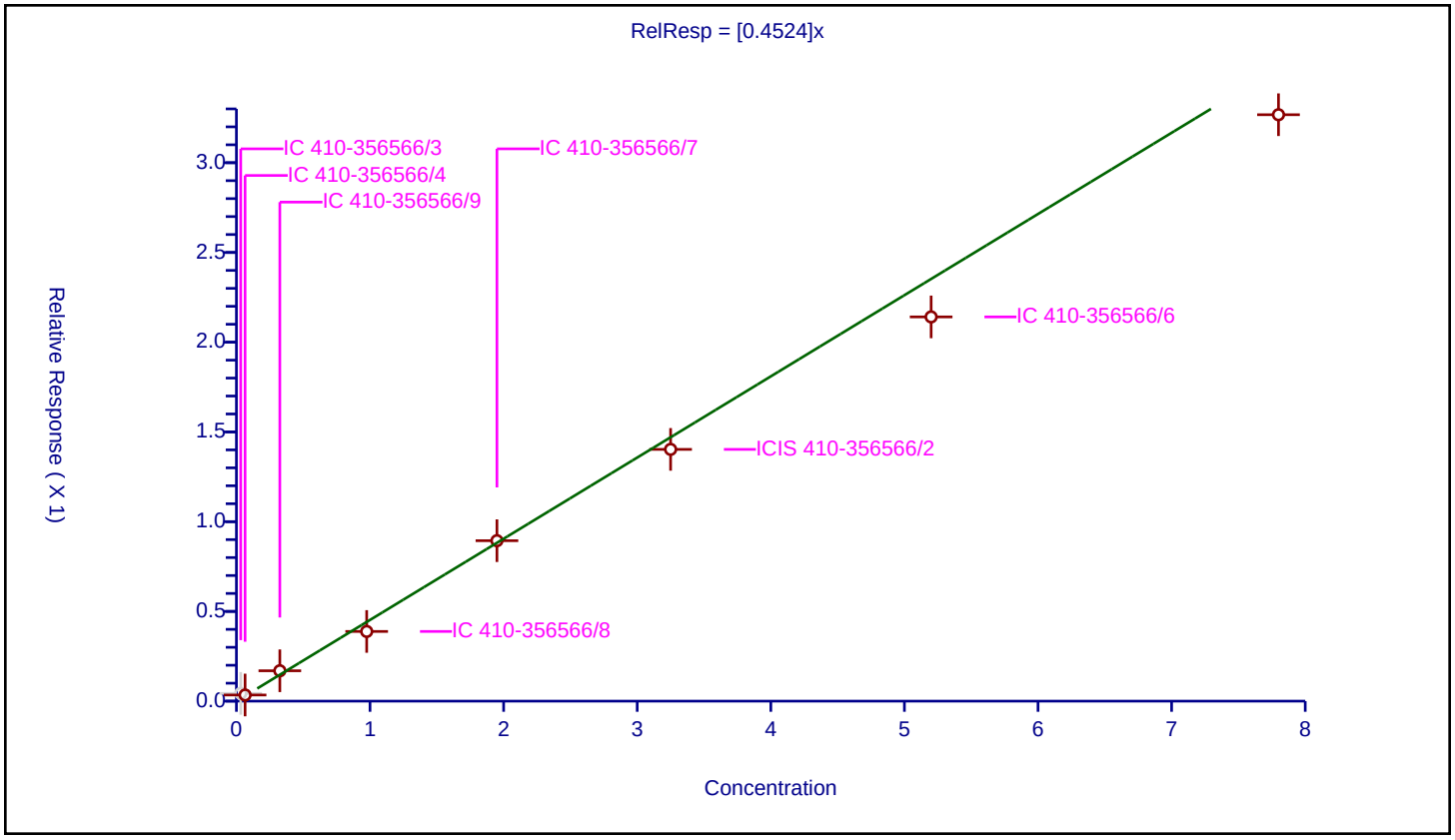
Curve Coefficients

Intercept:	0
Slope:	0.4524

Error Coefficients

Standard Error:	247000
Relative Standard Error:	11.6
Correlation Coefficient:	0.960
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.0325	0.043072	5.0	475833.0	1.325287	N
2	IC 410-356566/4	0.065	0.034248	5.0	606597.0	0.526899	Y
3	IC 410-356566/9	0.325	0.169248	5.0	492354.0	0.520764	Y
4	IC 410-356566/8	0.975	0.388307	5.0	704829.0	0.398264	Y
5	IC 410-356566/7	1.95	0.894121	5.0	683593.0	0.458524	Y
6	ICIS 410-356566/2	3.25	1.402809	5.0	755591.0	0.431634	Y
7	IC 410-356566/6	5.2	2.140913	5.0	545223.0	0.411714	Y
8	IC 410-356566/5	7.8	3.267477	5.0	762443.0	0.418907	Y



Calibration / 4-Bromophenyl phenyl ether

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

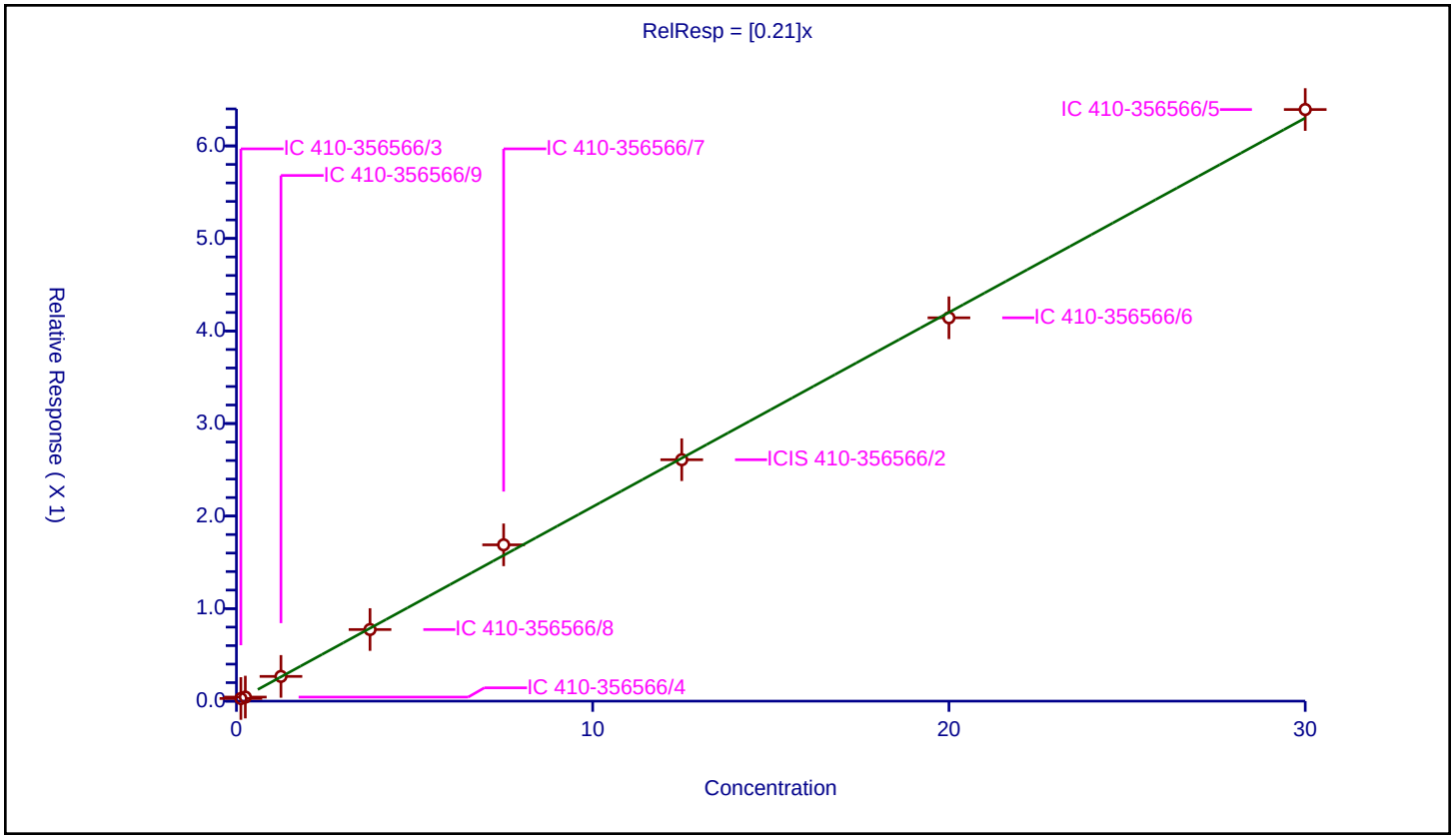
Curve Coefficients

Intercept:	0
Slope:	0.21

Error Coefficients

Standard Error:	443000
Relative Standard Error:	7.7
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.02876	5.0	475833.0	0.230081	Y
2	IC 410-356566/4	0.25	0.044016	5.0	606597.0	0.176064	Y
3	IC 410-356566/9	1.25	0.267125	5.0	492354.0	0.2137	Y
4	IC 410-356566/8	3.75	0.773826	5.0	704829.0	0.206354	Y
5	IC 410-356566/7	7.5	1.689083	5.0	683593.0	0.225211	Y
6	ICIS 410-356566/2	12.5	2.608766	5.0	755591.0	0.208701	Y
7	IC 410-356566/6	20.0	4.142644	5.0	545223.0	0.207132	Y
8	IC 410-356566/5	30.0	6.392996	5.0	762443.0	0.2131	Y



Calibration / Hexachlorobenzene

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

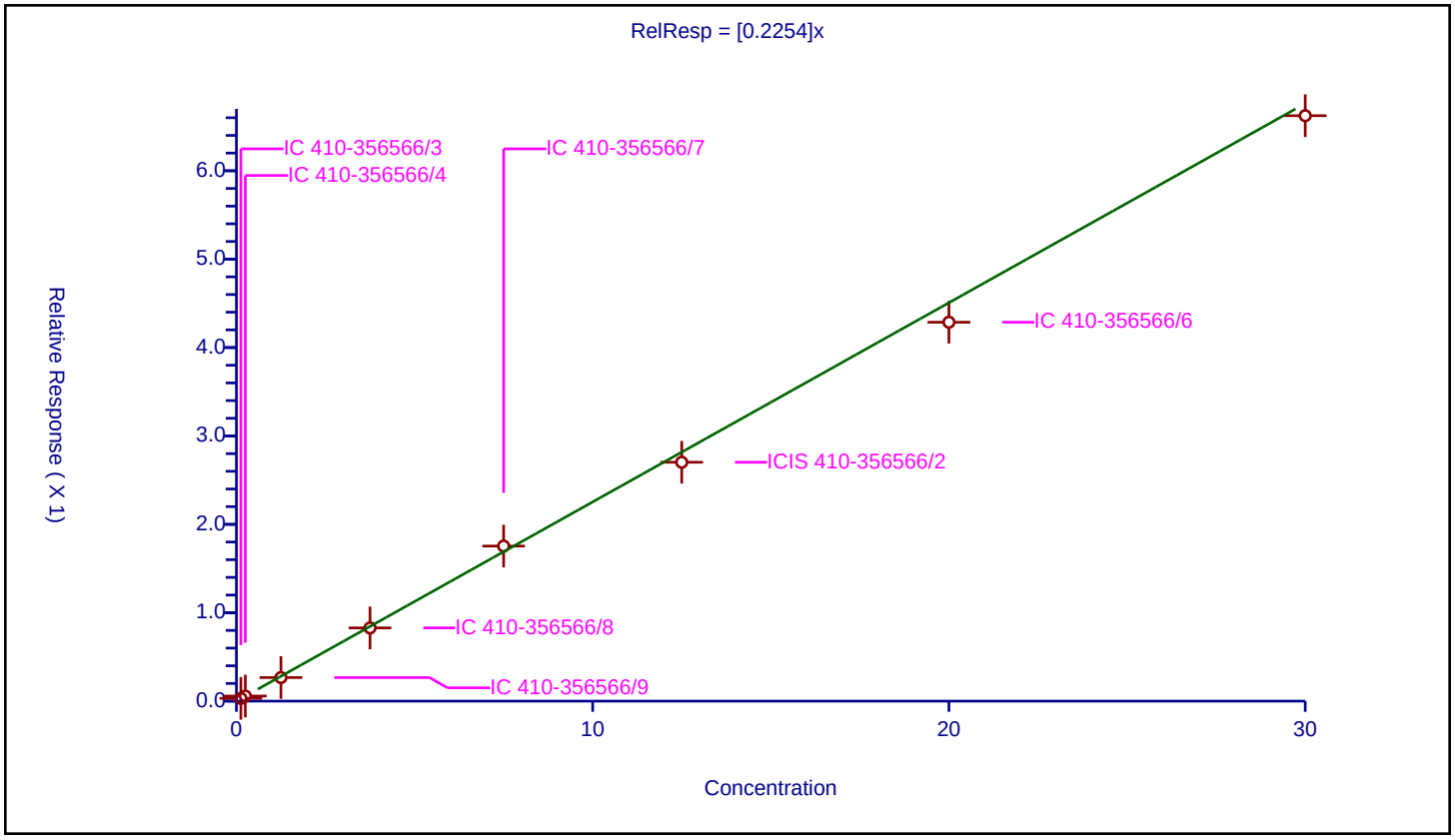
Curve Coefficients

Intercept:	0
Slope:	0.2254

Error Coefficients

Standard Error:	459000
Relative Standard Error:	5.8
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.031503	5.0	475833.0	0.252021	Y
2	IC 410-356566/4	0.25	0.057847	5.0	606597.0	0.231389	Y
3	IC 410-356566/9	1.25	0.266698	5.0	492354.0	0.213359	Y
4	IC 410-356566/8	3.75	0.828577	5.0	704829.0	0.220954	Y
5	IC 410-356566/7	7.5	1.754246	5.0	683593.0	0.233899	Y
6	ICIS 410-356566/2	12.5	2.70258	5.0	755591.0	0.216206	Y
7	IC 410-356566/6	20.0	4.286503	5.0	545223.0	0.214325	Y
8	IC 410-356566/5	30.0	6.623	5.0	762443.0	0.220767	Y



Calibration / Atrazine

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

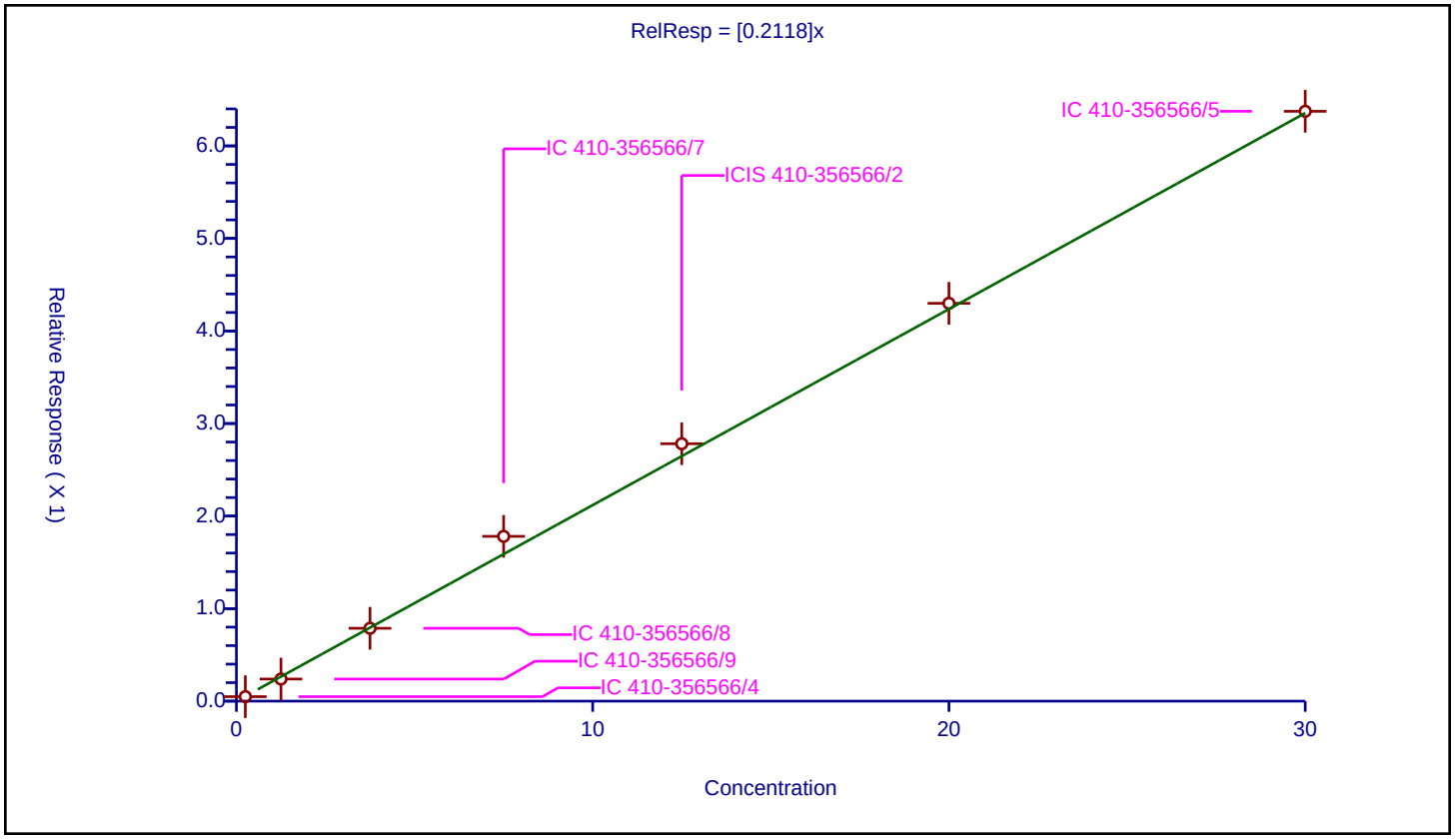
Curve Coefficients

Intercept:	0
Slope:	0.2118

Error Coefficients

Standard Error:	485000
Relative Standard Error:	7.5
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/4	0.25	0.048583	5.0	606597.0	0.19433	Y
2	IC 410-356566/9	1.25	0.238924	5.0	492354.0	0.191139	Y
3	IC 410-356566/8	3.75	0.787184	5.0	704829.0	0.209916	Y
4	IC 410-356566/7	7.5	1.78076	5.0	683593.0	0.237435	Y
5	ICIS 410-356566/2	12.5	2.781611	5.0	755591.0	0.222529	Y
6	IC 410-356566/6	20.0	4.298902	5.0	545223.0	0.214945	Y
7	IC 410-356566/5	30.0	6.374103	5.0	762443.0	0.21247	Y



Calibration / Pentachlorophenol

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

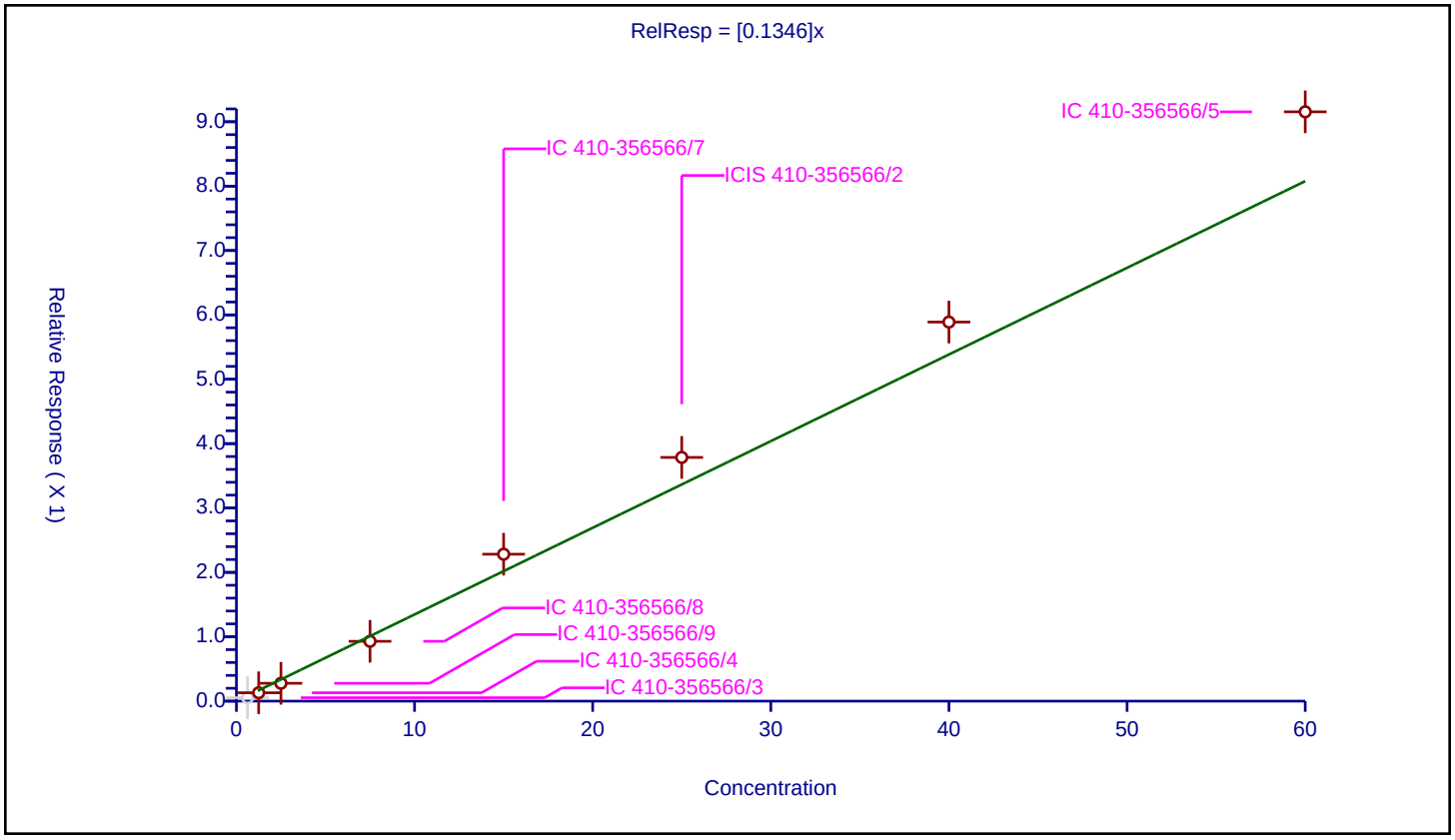
Curve Coefficients

Intercept:	0
Slope:	0.1346

Error Coefficients

Standard Error:	684000
Relative Standard Error:	15.7
Correlation Coefficient:	0.960
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.625	0.053758	5.0	475833.0	0.086013	N
2	IC 410-356566/4	1.25	0.130111	5.0	606597.0	0.104089	Y
3	IC 410-356566/9	2.5	0.277372	5.0	492354.0	0.110949	Y
4	IC 410-356566/8	7.5	0.929403	5.0	704829.0	0.12392	Y
5	IC 410-356566/7	15.0	2.282403	5.0	683593.0	0.15216	Y
6	ICIS 410-356566/2	25.0	3.785858	5.0	755591.0	0.151434	Y
7	IC 410-356566/6	40.0	5.888627	5.0	545223.0	0.147216	Y
8	IC 410-356566/5	60.0	9.154645	5.0	762443.0	0.152577	Y



Calibration / 4-Aminobiphenyl

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

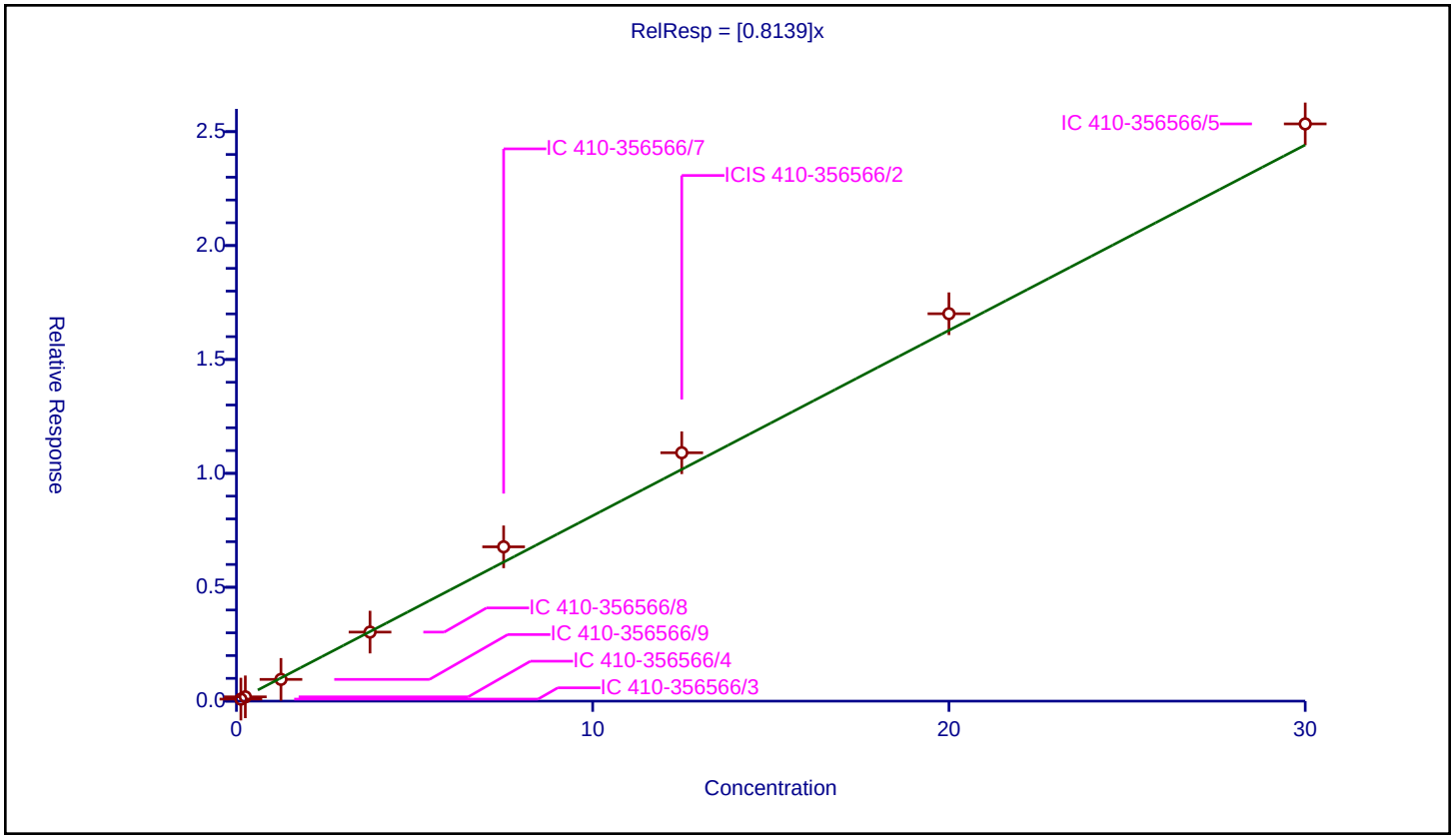
Curve Coefficients

Intercept:	0
Slope:	0.8139

Error Coefficients

Standard Error:	1780000
Relative Standard Error:	8.0
Correlation Coefficient:	0.969
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.089265	5.0	475833.0	0.714116	Y
2	IC 410-356566/4	0.25	0.188618	5.0	606597.0	0.754471	Y
3	IC 410-356566/9	1.25	0.954872	5.0	492354.0	0.763898	Y
4	IC 410-356566/8	3.75	3.031537	5.0	704829.0	0.80841	Y
5	IC 410-356566/7	7.5	6.773636	5.0	683593.0	0.903151	Y
6	ICIS 410-356566/2	12.5	10.904788	5.0	755591.0	0.872383	Y
7	IC 410-356566/6	20.0	17.007454	5.0	545223.0	0.850373	Y
8	IC 410-356566/5	30.0	25.341632	5.0	762443.0	0.844721	Y



Calibration / Pentachloronitrobenzene

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

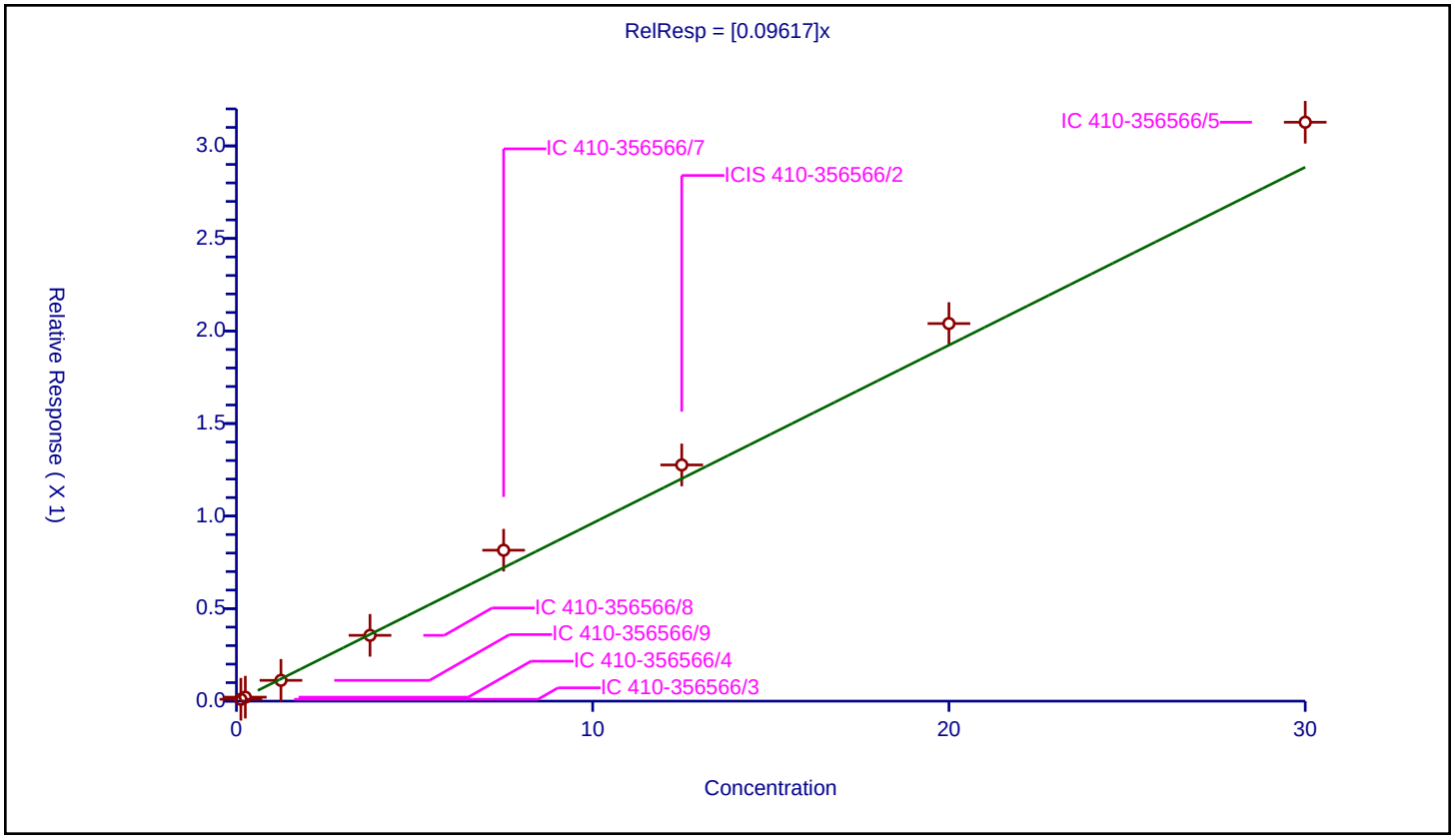
Curve Coefficients

Intercept:	0
Slope:	0.09617

Error Coefficients

Standard Error:	217000
Relative Standard Error:	10.0
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.010214	5.0	475833.0	0.081709	Y
2	IC 410-356566/4	0.25	0.02148	5.0	606597.0	0.085922	Y
3	IC 410-356566/9	1.25	0.112277	5.0	492354.0	0.089822	Y
4	IC 410-356566/8	3.75	0.355483	5.0	704829.0	0.094796	Y
5	IC 410-356566/7	7.5	0.815427	5.0	683593.0	0.108724	Y
6	ICIS 410-356566/2	12.5	1.276253	5.0	755591.0	0.1021	Y
7	IC 410-356566/6	20.0	2.040046	5.0	545223.0	0.102002	Y
8	IC 410-356566/5	30.0	3.127886	5.0	762443.0	0.104263	Y



Calibration / Pronamide

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

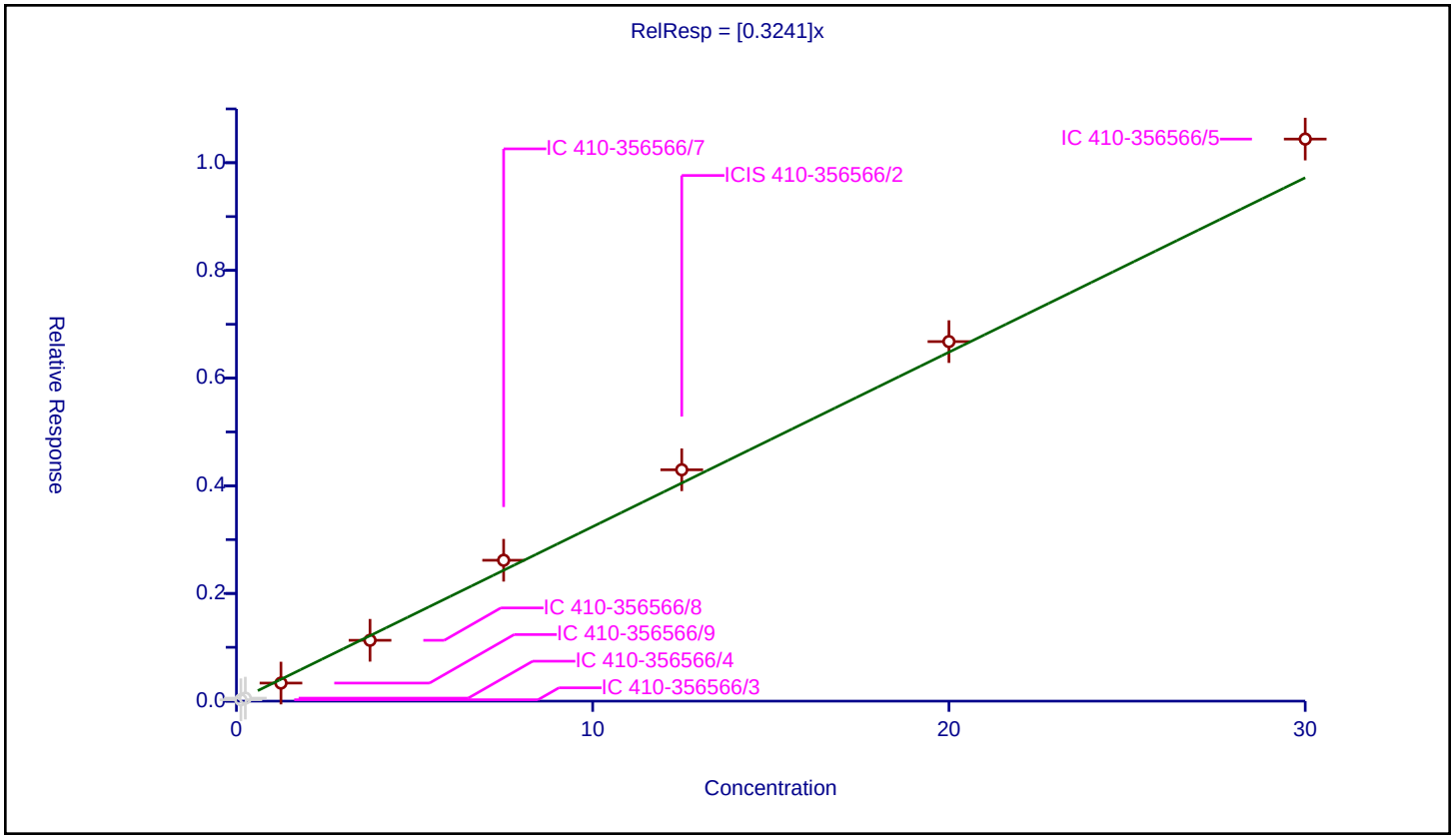
Curve Coefficients

Intercept:	0
Slope:	0.3241

Error Coefficients

Standard Error:	853000
Relative Standard Error:	10.0
Correlation Coefficient:	0.952
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.025776	5.0	475833.0	0.206207	N
2	IC 410-356566/4	0.25	0.055671	5.0	606597.0	0.222685	N
3	IC 410-356566/9	1.25	0.335622	5.0	492354.0	0.268498	Y
4	IC 410-356566/8	3.75	1.129856	5.0	704829.0	0.301295	Y
5	IC 410-356566/7	7.5	2.61663	5.0	683593.0	0.348884	Y
6	ICIS 410-356566/2	12.5	4.297259	5.0	755591.0	0.343781	Y
7	IC 410-356566/6	20.0	6.677855	5.0	545223.0	0.333893	Y
8	IC 410-356566/5	30.0	10.439279	5.0	762443.0	0.347976	Y



Calibration / Dinoseb

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

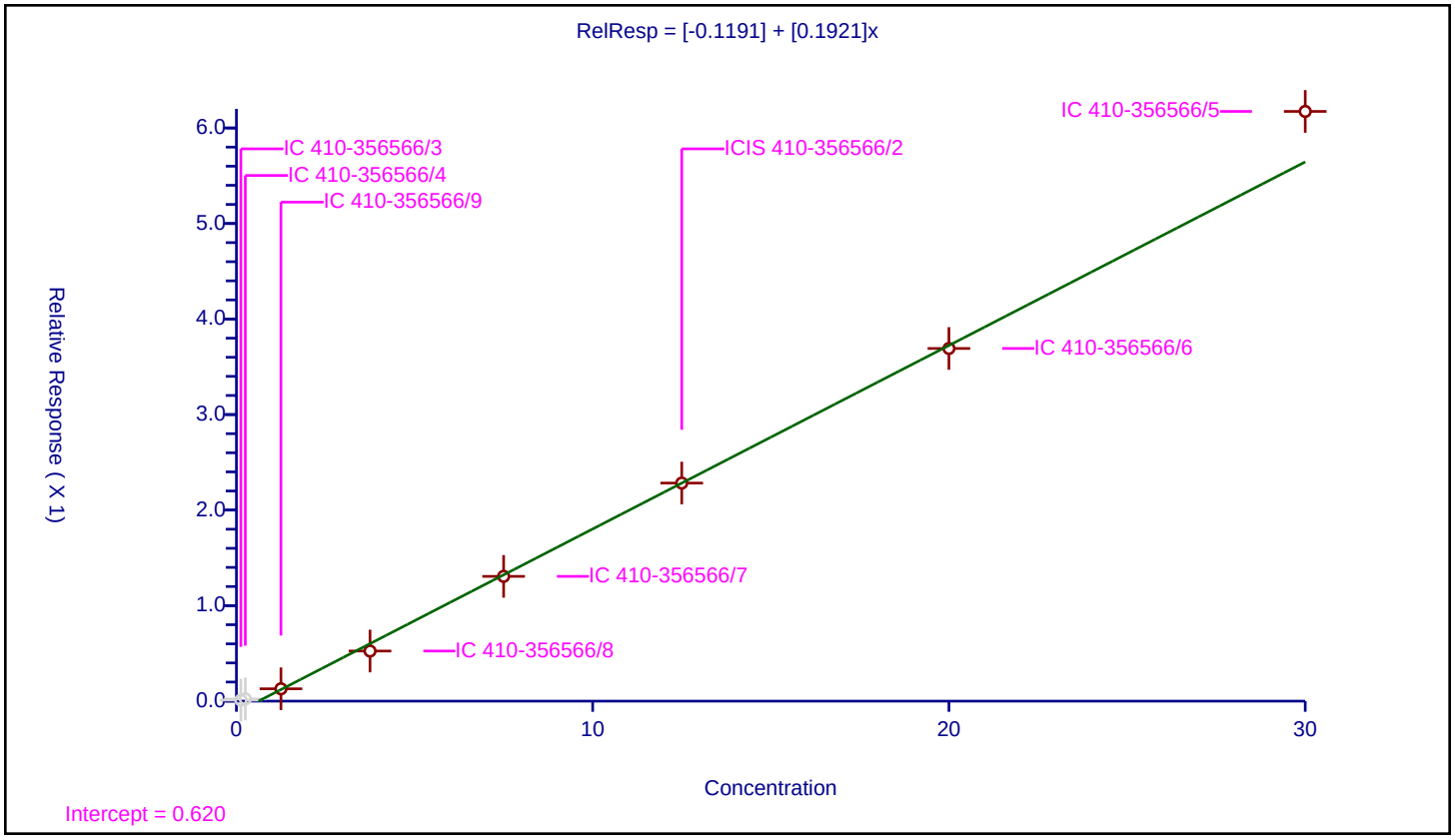
Curve Coefficients

Intercept:	-0.1191
Slope:	0.1921

Error Coefficients

Standard Error:	549000
Relative Standard Error:	7.3
Correlation Coefficient:	0.945
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.011044	5.0	475833.0	0.08835	N
2	IC 410-356566/4	0.25	0.022931	5.0	606597.0	0.091725	N
3	IC 410-356566/9	1.25	0.129287	5.0	492354.0	0.10343	Y
4	IC 410-356566/8	3.75	0.524553	5.0	704829.0	0.139881	Y
5	IC 410-356566/7	7.5	1.30615	5.0	683593.0	0.174153	Y
6	ICIS 410-356566/2	12.5	2.282849	5.0	755591.0	0.182628	Y
7	IC 410-356566/6	20.0	3.691994	5.0	545223.0	0.1846	Y
8	IC 410-356566/5	30.0	6.173458	5.0	762443.0	0.205782	Y



Calibration / Disulfoton

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

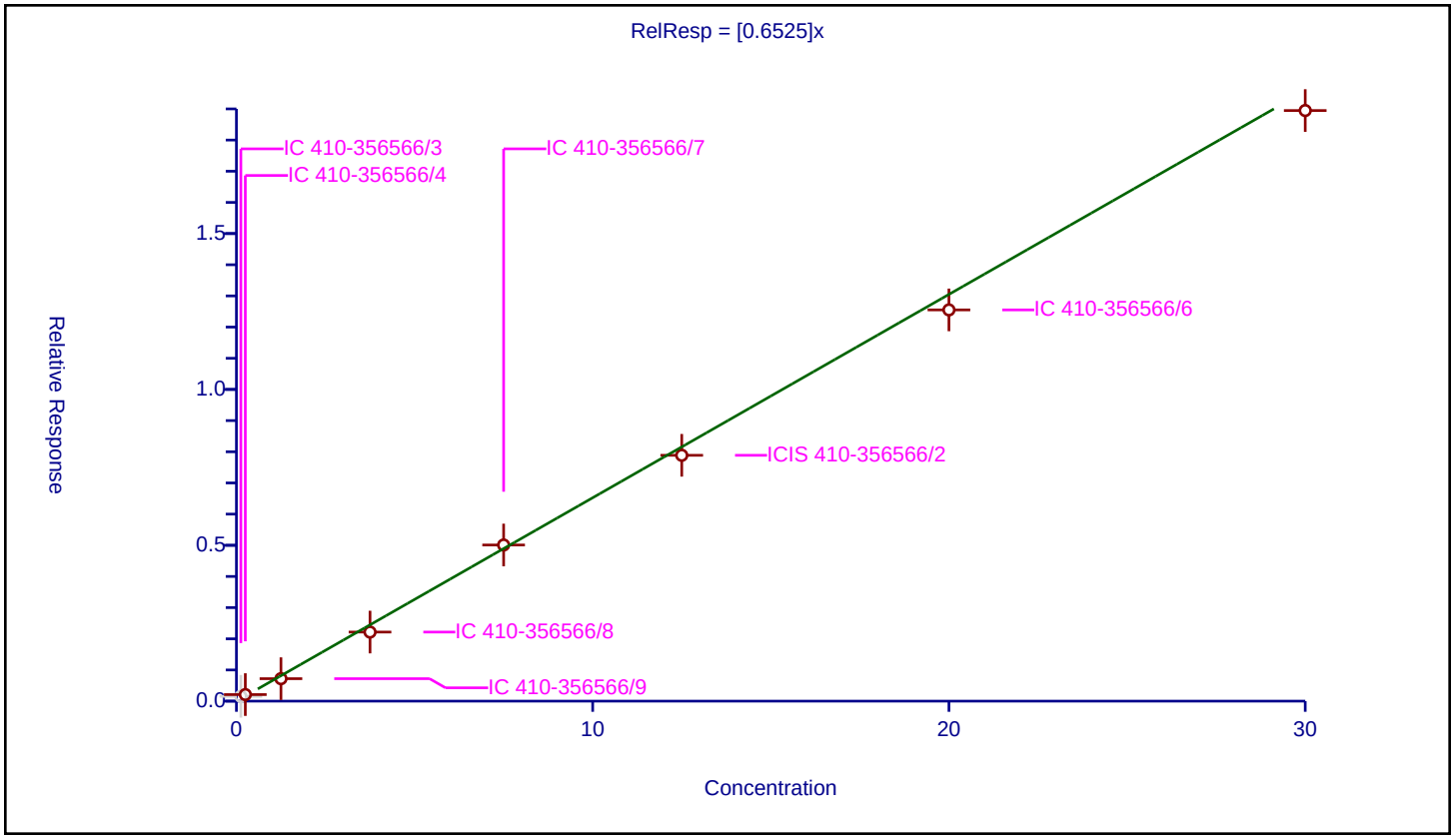
Curve Coefficients

Intercept:	0
Slope:	0.6525

Error Coefficients

Standard Error:	1430000
Relative Standard Error:	13.6
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.154382	5.0	475833.0	1.235055	N
2	IC 410-356566/4	0.25	0.210461	5.0	606597.0	0.841844	Y
3	IC 410-356566/9	1.25	0.720711	5.0	492354.0	0.576569	Y
4	IC 410-356566/8	3.75	2.215998	5.0	704829.0	0.590933	Y
5	IC 410-356566/7	7.5	5.008806	5.0	683593.0	0.667841	Y
6	ICIS 410-356566/2	12.5	7.886893	5.0	755591.0	0.630951	Y
7	IC 410-356566/6	20.0	12.551433	5.0	545223.0	0.627572	Y
8	IC 410-356566/5	30.0	18.946905	5.0	762443.0	0.631563	Y



Calibration / Phenanthrene

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

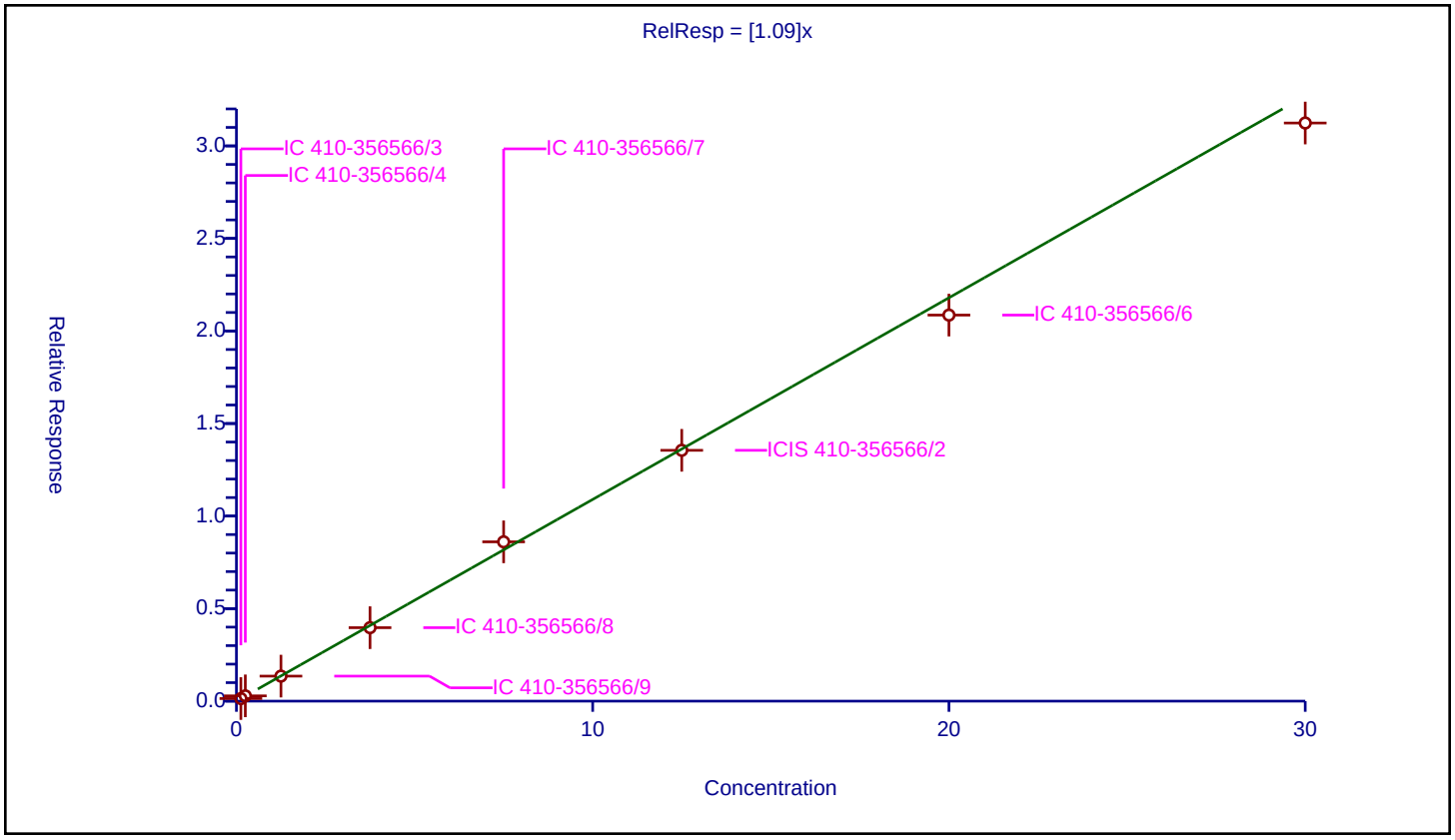
Curve Coefficients

Intercept:	0
Slope:	1.09

Error Coefficients

Standard Error:	2200000
Relative Standard Error:	3.9
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.139797	5.0	475833.0	1.118376	Y
2	IC 410-356566/4	0.25	0.285906	5.0	606597.0	1.143626	Y
3	IC 410-356566/9	1.25	1.351558	5.0	492354.0	1.081246	Y
4	IC 410-356566/8	3.75	3.969027	5.0	704829.0	1.058407	Y
5	IC 410-356566/7	7.5	8.607614	5.0	683593.0	1.147682	Y
6	ICIS 410-356566/2	12.5	13.552689	5.0	755591.0	1.084215	Y
7	IC 410-356566/6	20.0	20.858933	5.0	545223.0	1.042947	Y
8	IC 410-356566/5	30.0	31.237338	5.0	762443.0	1.041245	Y



Calibration / Anthracene

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

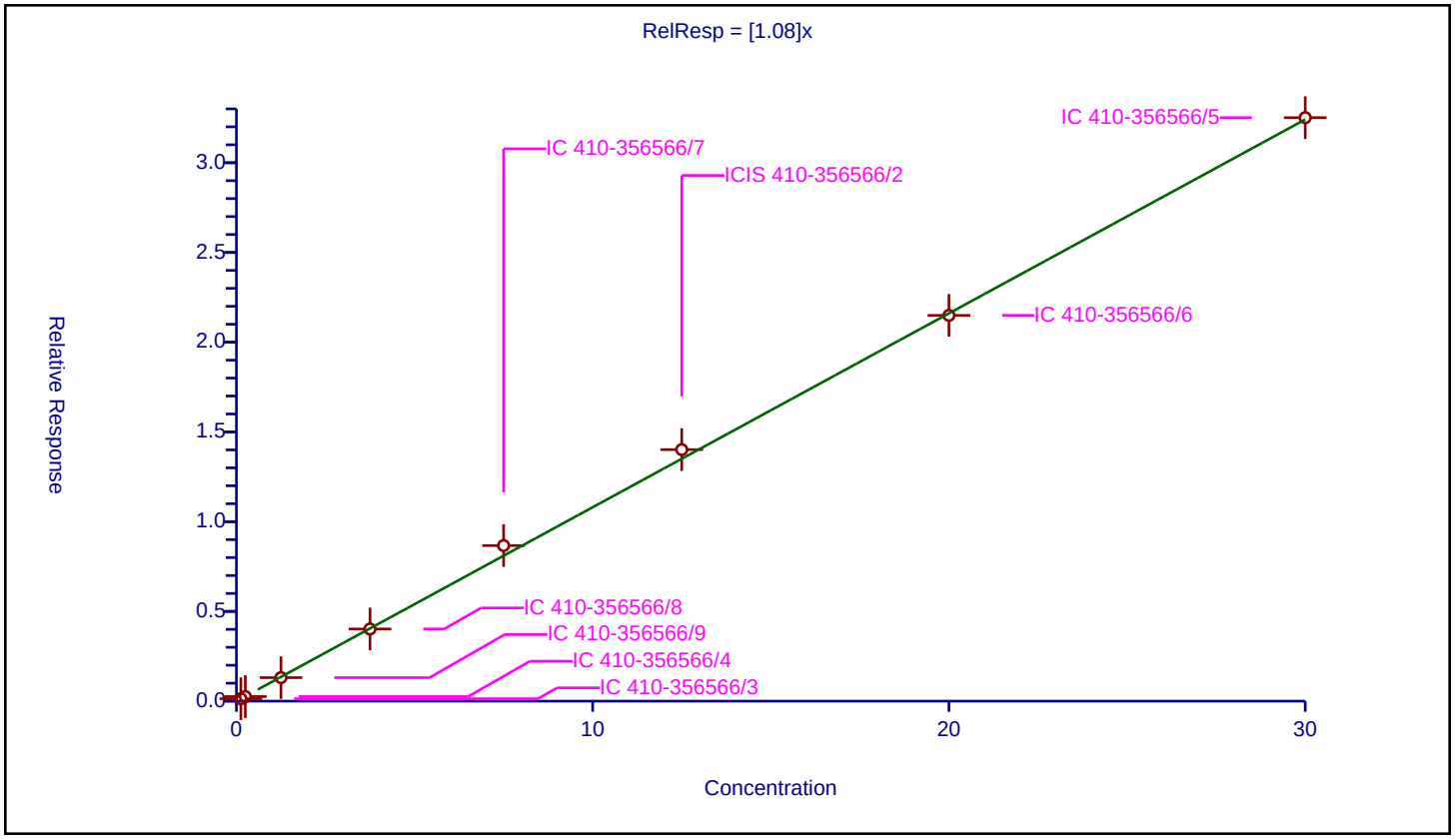
Curve Coefficients

Intercept:	0
Slope:	1.08

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	3.9
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.133776	5.0	475833.0	1.070207	Y
2	IC 410-356566/4	0.25	0.254337	5.0	606597.0	1.017348	Y
3	IC 410-356566/9	1.25	1.309495	5.0	492354.0	1.047596	Y
4	IC 410-356566/8	3.75	4.02106	5.0	704829.0	1.072283	Y
5	IC 410-356566/7	7.5	8.667599	5.0	683593.0	1.15568	Y
6	ICIS 410-356566/2	12.5	14.014295	5.0	755591.0	1.121144	Y
7	IC 410-356566/6	20.0	21.493444	5.0	545223.0	1.074672	Y
8	IC 410-356566/5	30.0	32.50963	5.0	762443.0	1.083654	Y



Calibration / Carbazole

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

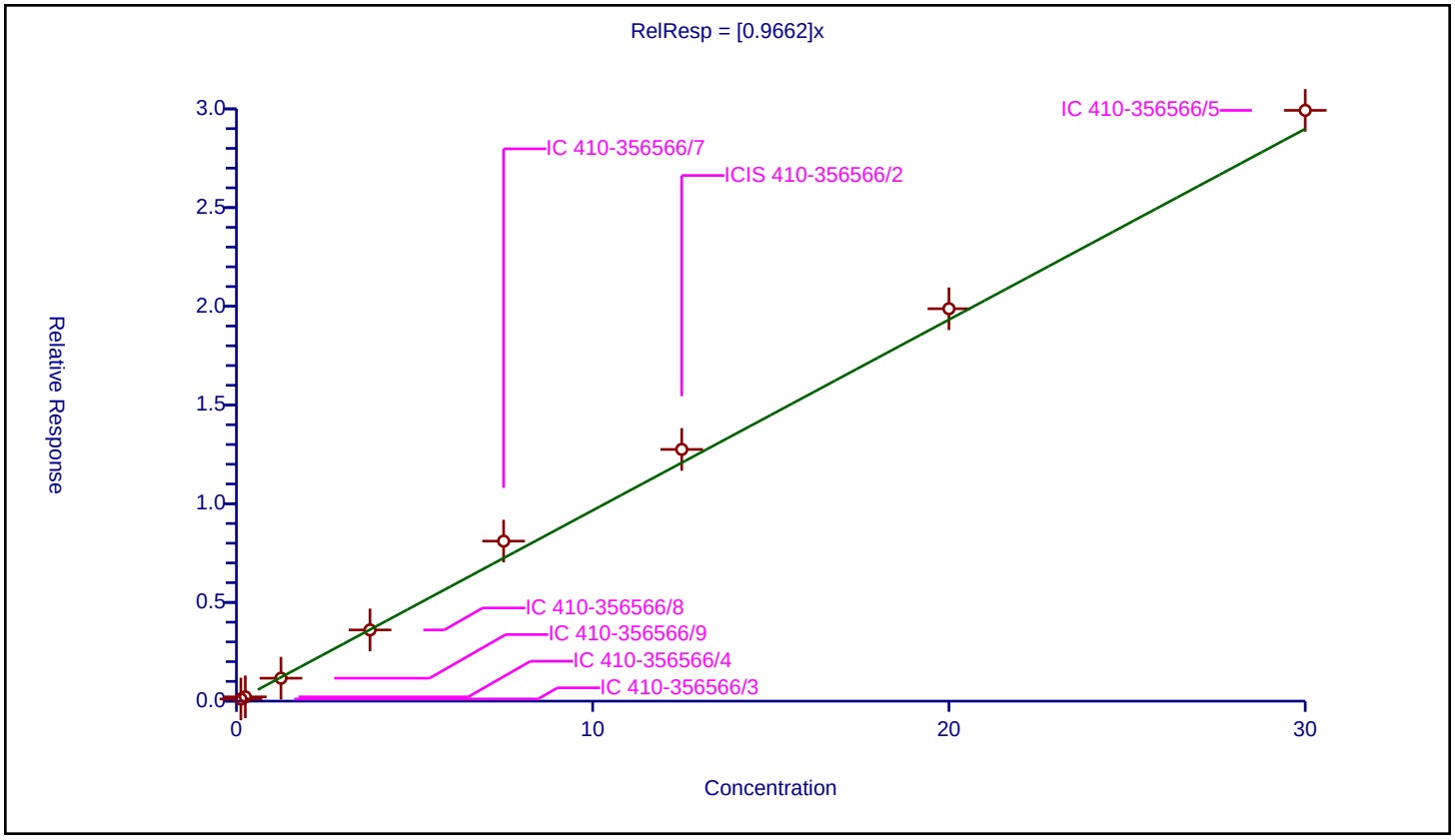
Curve Coefficients

Intercept:	0
Slope:	0.9662

Error Coefficients

Standard Error:	2100000
Relative Standard Error:	7.5
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.110259	5.0	475833.0	0.882074	Y
2	IC 410-356566/4	0.25	0.215942	5.0	606597.0	0.86377	Y
3	IC 410-356566/9	1.25	1.161949	5.0	492354.0	0.929559	Y
4	IC 410-356566/8	3.75	3.606896	5.0	704829.0	0.961839	Y
5	IC 410-356566/7	7.5	8.106066	5.0	683593.0	1.080809	Y
6	ICIS 410-356566/2	12.5	12.751171	5.0	755591.0	1.020094	Y
7	IC 410-356566/6	20.0	19.878068	5.0	545223.0	0.993903	Y
8	IC 410-356566/5	30.0	29.925208	5.0	762443.0	0.997507	Y



Calibration / Methyl parathion

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

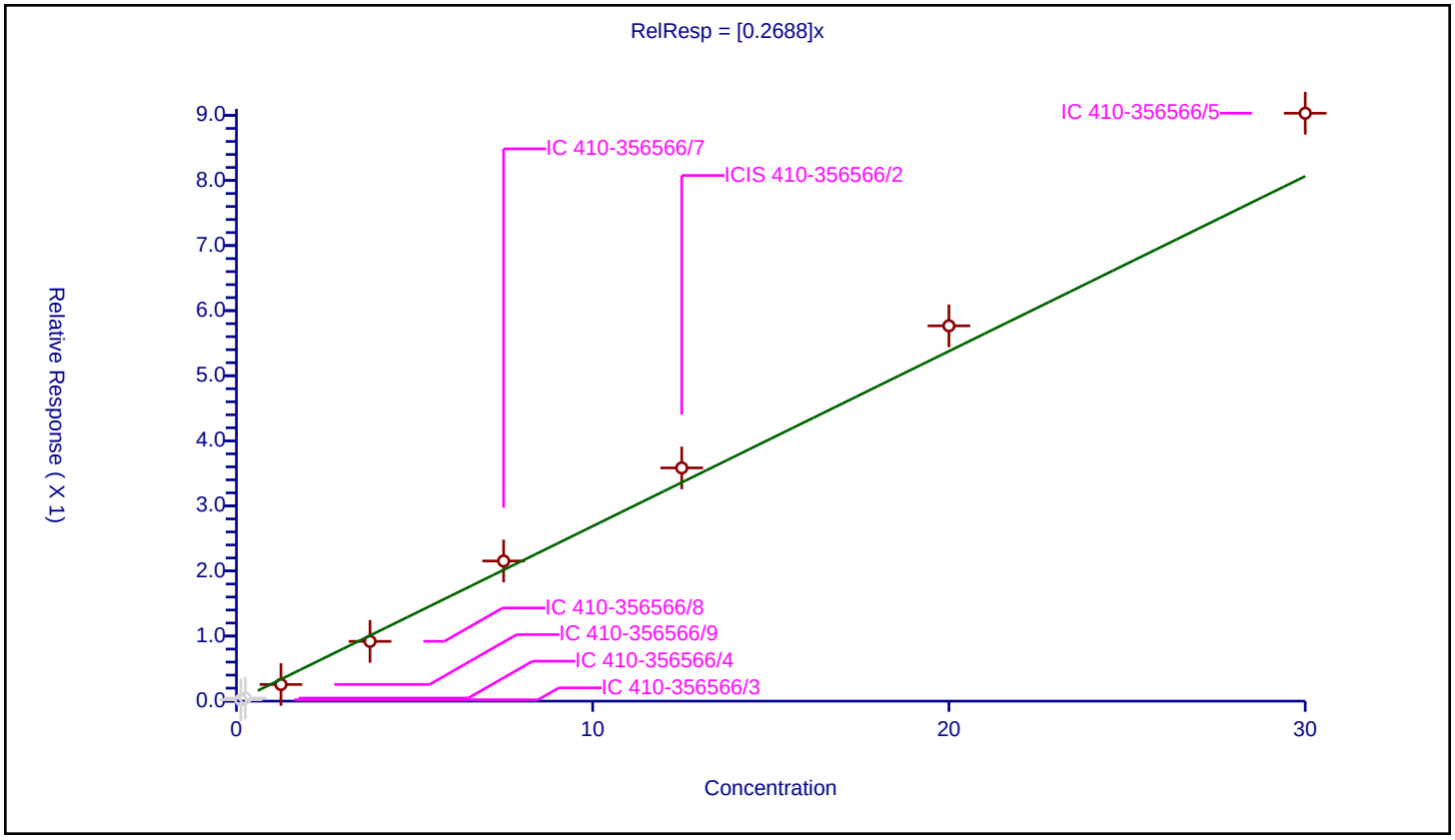
Curve Coefficients

Intercept:	0
Slope:	0.2688

Error Coefficients

Standard Error:	734000
Relative Standard Error:	13.6
Correlation Coefficient:	0.954
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.021005	5.0	475833.0	0.168042	N
2	IC 410-356566/4	0.25	0.04728	5.0	606597.0	0.189121	N
3	IC 410-356566/9	1.25	0.256157	5.0	492354.0	0.204926	Y
4	IC 410-356566/8	3.75	0.918358	5.0	704829.0	0.244895	Y
5	IC 410-356566/7	7.5	2.153445	5.0	683593.0	0.287126	Y
6	ICIS 410-356566/2	12.5	3.583771	5.0	755591.0	0.286702	Y
7	IC 410-356566/6	20.0	5.766906	5.0	545223.0	0.288345	Y
8	IC 410-356566/5	30.0	9.033134	5.0	762443.0	0.301104	Y



Calibration / Di-n-butyl phthalate

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

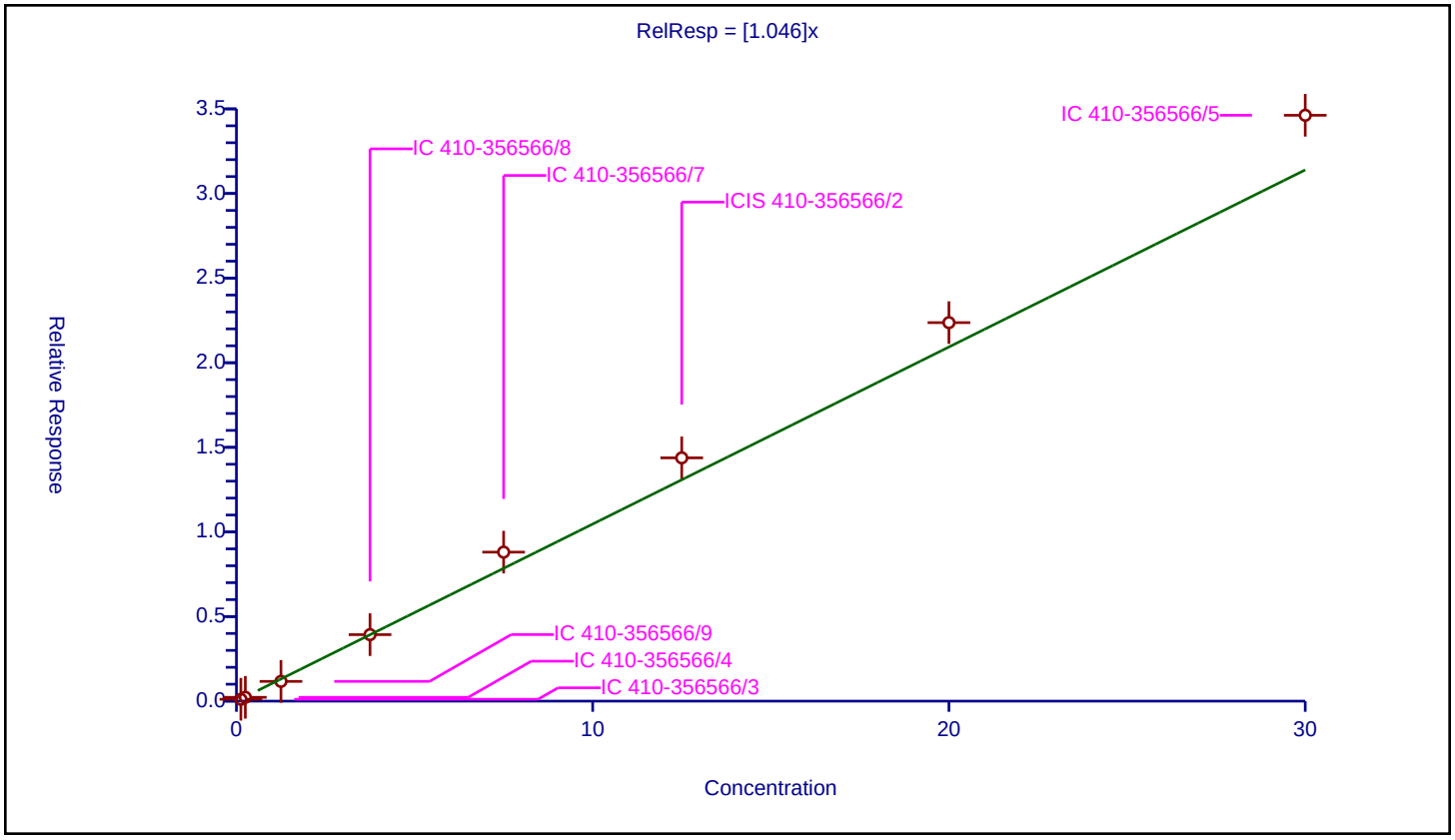
Curve Coefficients

Intercept:	0
Slope:	1.046

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	11.5
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.11111	5.0	475833.0	0.888883	Y
2	IC 410-356566/4	0.25	0.226114	5.0	606597.0	0.904456	Y
3	IC 410-356566/9	1.25	1.167128	5.0	492354.0	0.933702	Y
4	IC 410-356566/8	3.75	3.929556	5.0	704829.0	1.047882	Y
5	IC 410-356566/7	7.5	8.806278	5.0	683593.0	1.17417	Y
6	ICIS 410-356566/2	12.5	14.377381	5.0	755591.0	1.150191	Y
7	IC 410-356566/6	20.0	22.368297	5.0	545223.0	1.118415	Y
8	IC 410-356566/5	30.0	34.622595	5.0	762443.0	1.154086	Y



Calibration / Ethyl Parathion

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

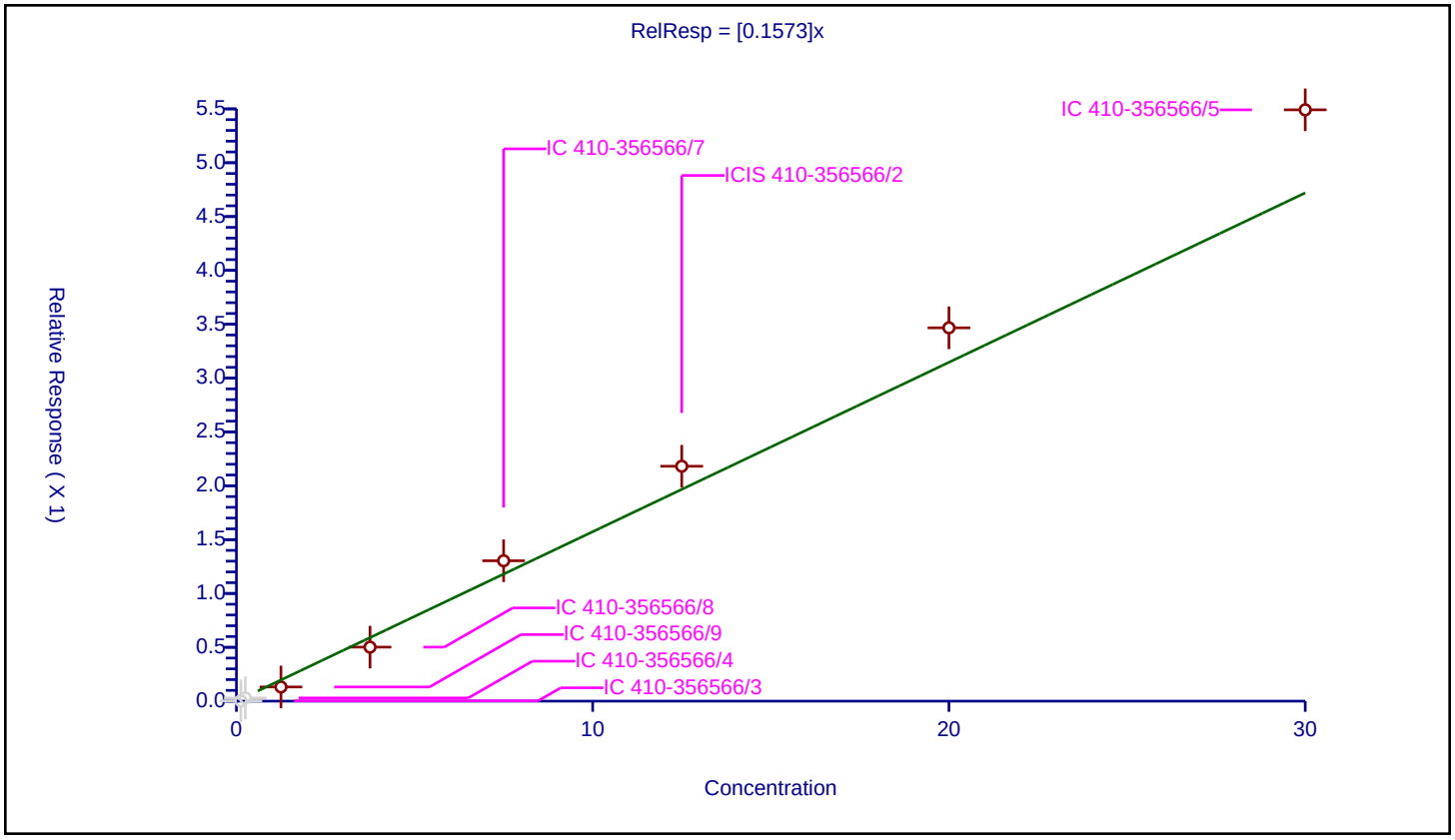
Curve Coefficients

Intercept:	0
Slope:	0.1573

Error Coefficients

Standard Error:	445000
Relative Standard Error:	19.5
Correlation Coefficient:	0.953
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.002932	5.0	475833.0	0.023454	N
2	IC 410-356566/4	0.25	0.029558	5.0	606597.0	0.118233	N
3	IC 410-356566/9	1.25	0.131826	5.0	492354.0	0.105461	Y
4	IC 410-356566/8	3.75	0.501675	5.0	704829.0	0.13378	Y
5	IC 410-356566/7	7.5	1.303641	5.0	683593.0	0.173819	Y
6	ICIS 410-356566/2	12.5	2.181438	5.0	755591.0	0.174515	Y
7	IC 410-356566/6	20.0	3.466848	5.0	545223.0	0.173342	Y
8	IC 410-356566/5	30.0	5.49127	5.0	762443.0	0.183042	Y



Calibration / 4-Nitroquinoline-1-oxide

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

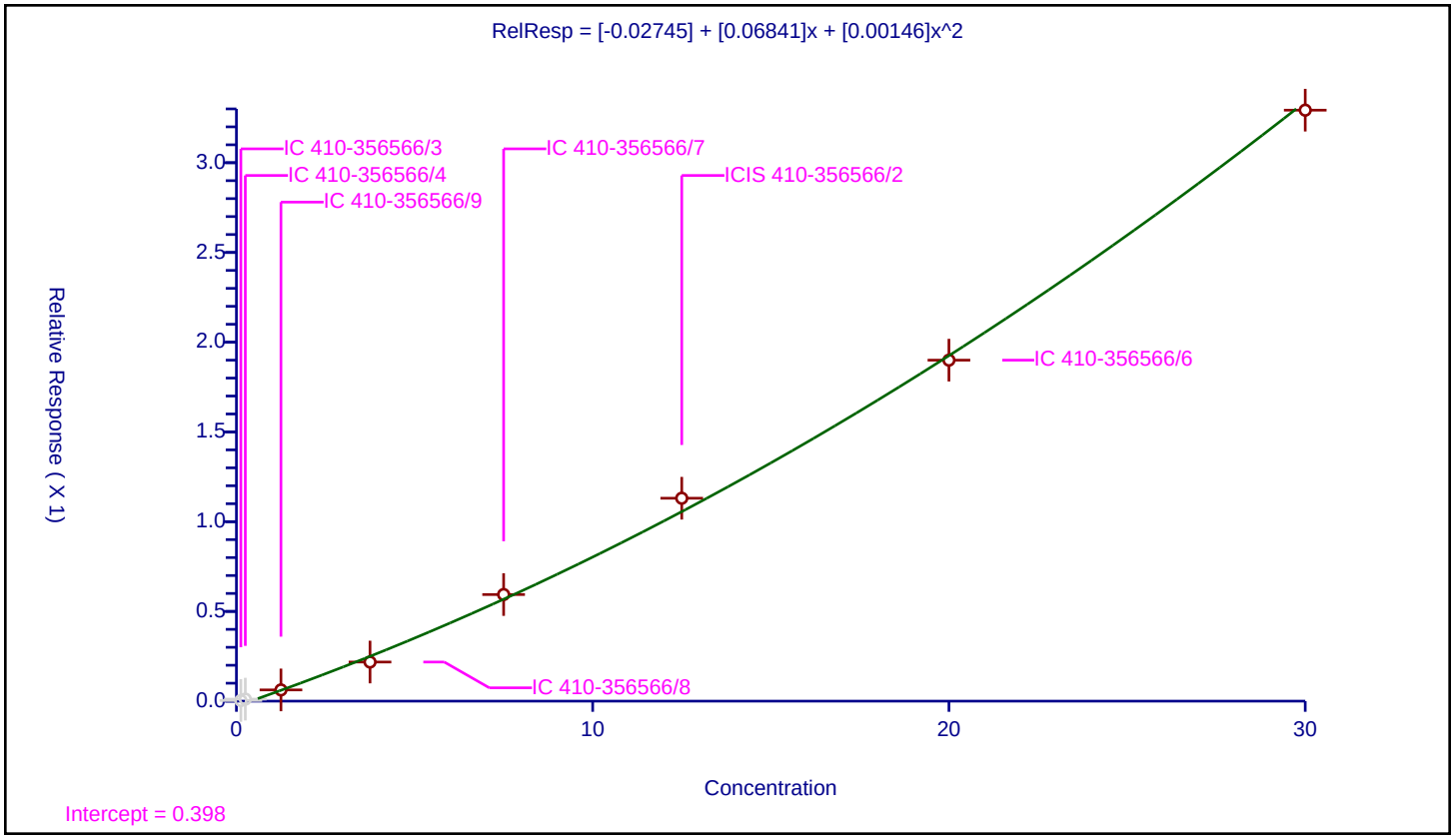
Curve Coefficients

Intercept:	-0.02745
Slope:	0.06841
Second Order:	0.00146

Error Coefficients

Standard Error:	333000
Relative Standard Error:	7.5
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.003688	5.0	475833.0	0.029506	N
2	IC 410-356566/4	0.25	0.011177	5.0	606597.0	0.044708	N
3	IC 410-356566/9	1.25	0.062577	5.0	492354.0	0.050062	Y
4	IC 410-356566/8	3.75	0.217968	5.0	704829.0	0.058125	Y
5	IC 410-356566/7	7.5	0.593972	5.0	683593.0	0.079196	Y
6	ICIS 410-356566/2	12.5	1.130585	5.0	755591.0	0.090447	Y
7	IC 410-356566/6	20.0	1.899984	5.0	545223.0	0.094999	Y
8	IC 410-356566/5	30.0	3.292863	5.0	762443.0	0.109762	Y



Calibration / Octachlorostyrene

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

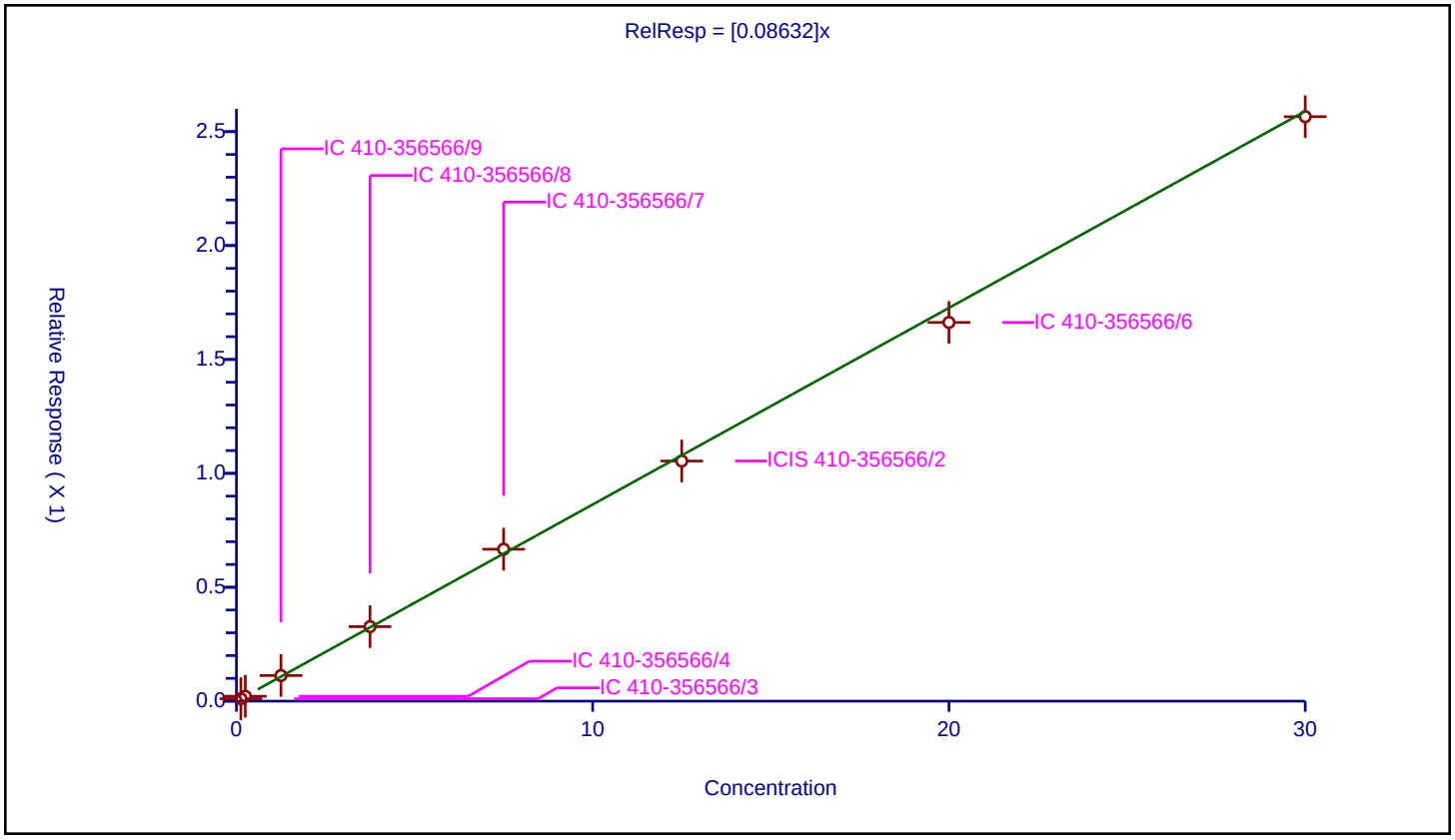
Curve Coefficients

Intercept:	0
Slope:	0.08632

Error Coefficients

Standard Error:	178000
Relative Standard Error:	2.6
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.010676	5.0	475833.0	0.085408	Y
2	IC 410-356566/4	0.25	0.021522	5.0	606597.0	0.086087	Y
3	IC 410-356566/9	1.25	0.112429	5.0	492354.0	0.089943	Y
4	IC 410-356566/8	3.75	0.327079	5.0	704829.0	0.087221	Y
5	IC 410-356566/7	7.5	0.66702	5.0	683593.0	0.088936	Y
6	ICIS 410-356566/2	12.5	1.054095	5.0	755591.0	0.084328	Y
7	IC 410-356566/6	20.0	1.66254	5.0	545223.0	0.083127	Y
8	IC 410-356566/5	30.0	2.56589	5.0	762443.0	0.08553	Y



Calibration / Isodrin

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

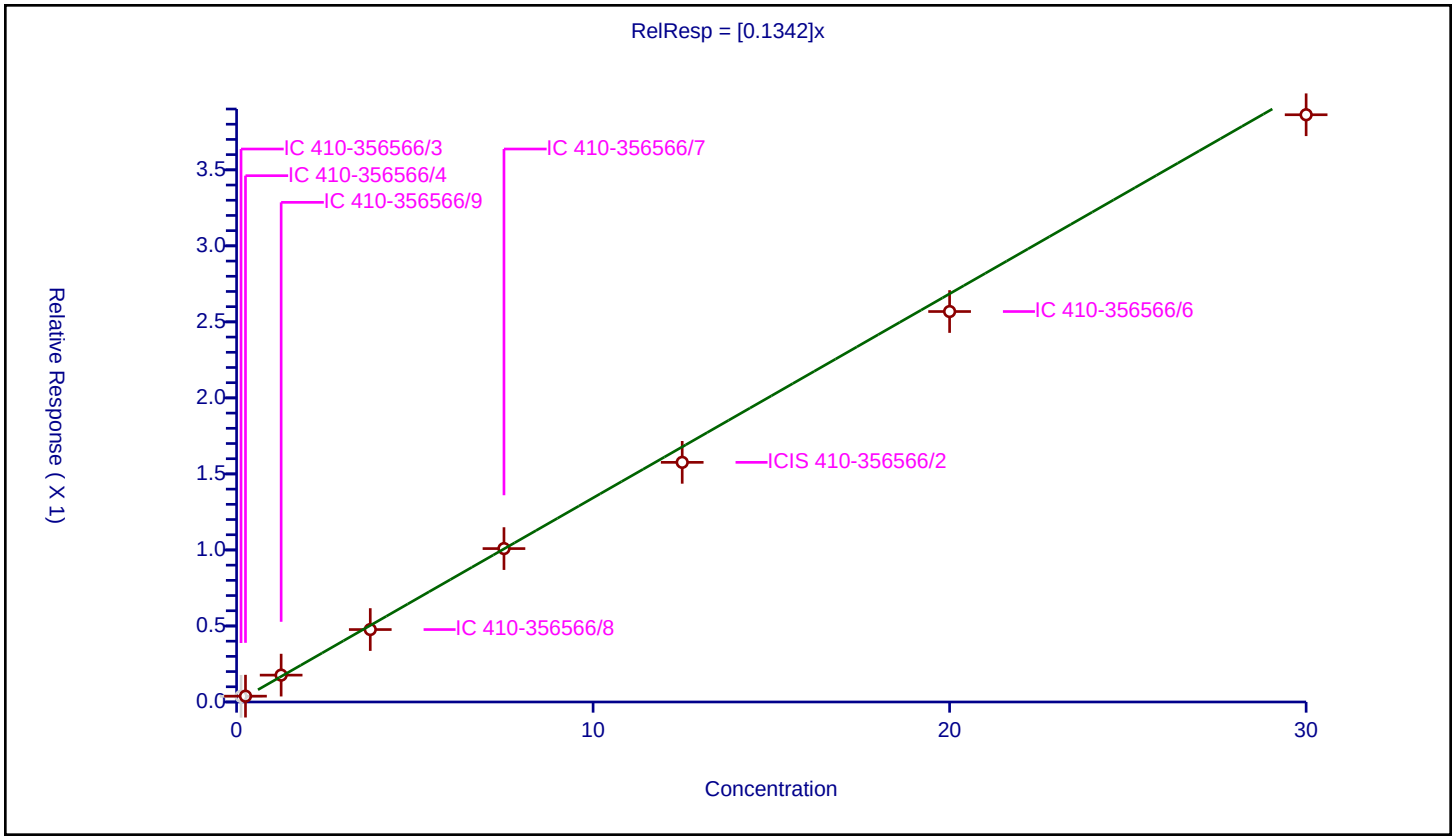
Curve Coefficients

Intercept:	0
Slope:	0.1342

Error Coefficients

Standard Error:	290000
Relative Standard Error:	7.5
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.037345	5.0	475833.0	0.29876	N
2	IC 410-356566/4	0.25	0.03837	5.0	606597.0	0.153479	Y
3	IC 410-356566/9	1.25	0.176712	5.0	492354.0	0.14137	Y
4	IC 410-356566/8	3.75	0.476527	5.0	704829.0	0.127074	Y
5	IC 410-356566/7	7.5	1.008948	5.0	683593.0	0.134526	Y
6	ICIS 410-356566/2	12.5	1.576097	5.0	755591.0	0.126088	Y
7	IC 410-356566/6	20.0	2.56805	5.0	545223.0	0.128403	Y
8	IC 410-356566/5	30.0	3.862341	5.0	762443.0	0.128745	Y



Calibration / Fluoranthene

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

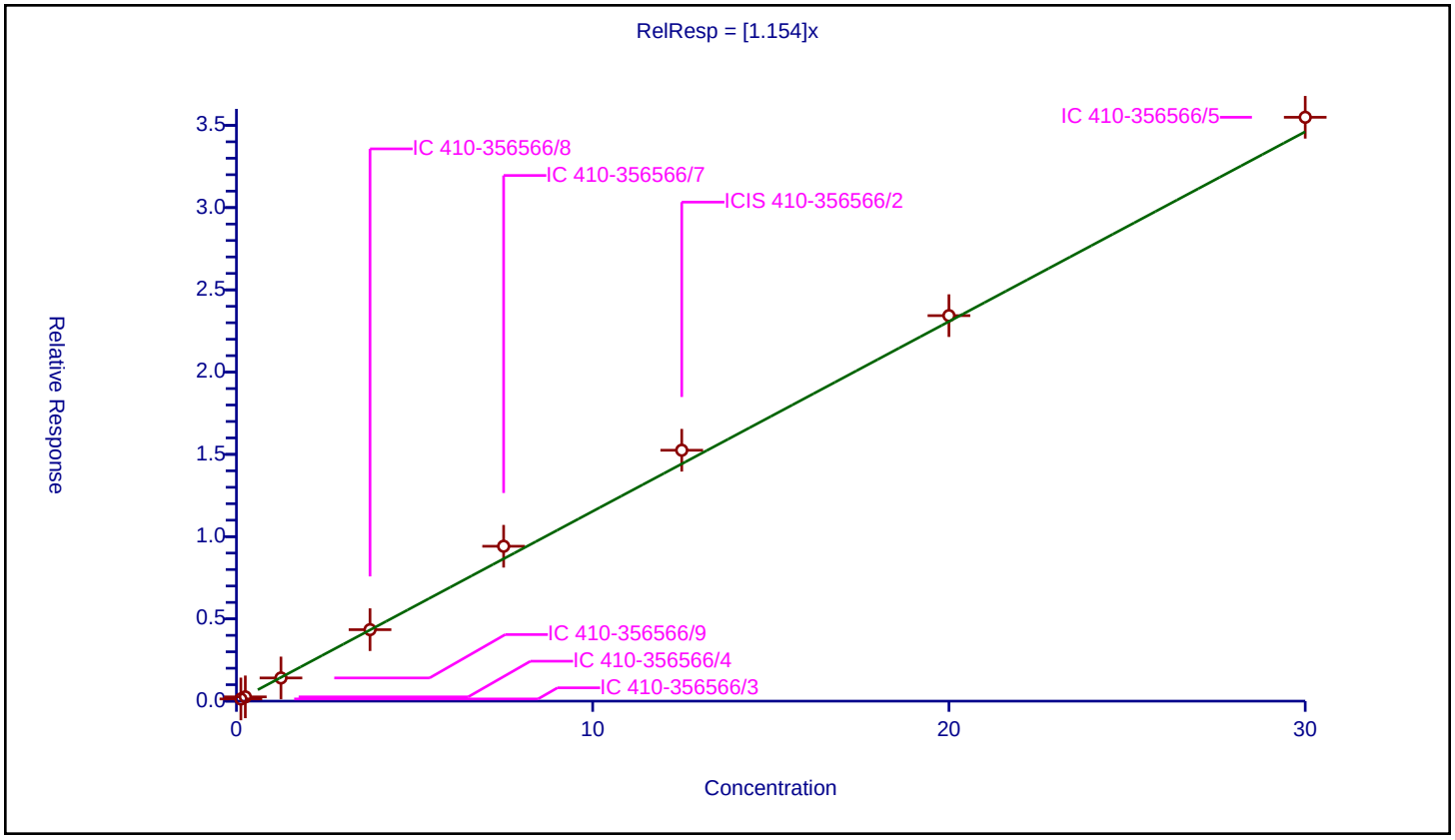
Curve Coefficients

Intercept:	0
Slope:	1.154

Error Coefficients

Standard Error:	2480000
Relative Standard Error:	6.2
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.134039	5.0	475833.0	1.072309	Y
2	IC 410-356566/4	0.25	0.260329	5.0	606597.0	1.041317	Y
3	IC 410-356566/9	1.25	1.409941	5.0	492354.0	1.127953	Y
4	IC 410-356566/8	3.75	4.343848	5.0	704829.0	1.158359	Y
5	IC 410-356566/7	7.5	9.415061	5.0	683593.0	1.255342	Y
6	ICIS 410-356566/2	12.5	15.251743	5.0	755591.0	1.220139	Y
7	IC 410-356566/6	20.0	23.433889	5.0	545223.0	1.171694	Y
8	IC 410-356566/5	30.0	35.489335	5.0	762443.0	1.182978	Y



Calibration / Benzidine

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

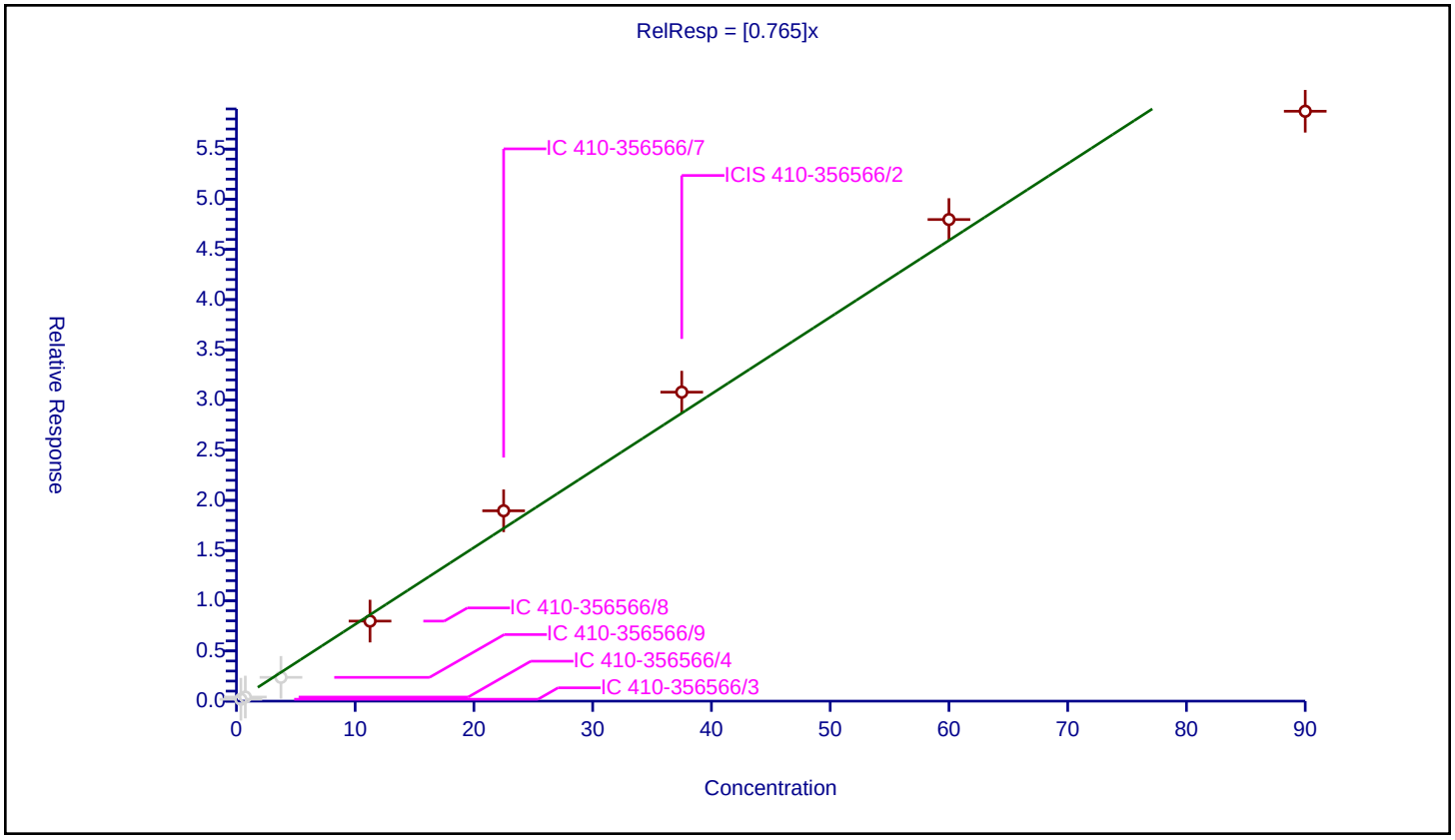
Curve Coefficients

Intercept:	0
Slope:	0.765

Error Coefficients

Standard Error:	5990000
Relative Standard Error:	10.6
Correlation Coefficient:	0.961
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.375	0.188432	5.0	479217.0	0.502486	N
2	IC 410-356566/4	0.75	0.406858	5.0	610606.0	0.542477	N
3	IC 410-356566/9	3.75	2.367313	5.0	497336.0	0.631283	N
4	IC 410-356566/8	11.25	7.973477	5.0	743954.0	0.708753	Y
5	IC 410-356566/7	22.5	18.961859	5.0	709812.0	0.842749	Y
6	ICIS 410-356566/2	37.5	30.781976	5.0	779979.0	0.820853	Y
7	IC 410-356566/6	60.0	47.977791	5.0	555756.0	0.79963	Y
8	IC 410-356566/5	90.0	58.765742	5.0	776483.0	0.652953	Y



Calibration / Pyrene

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

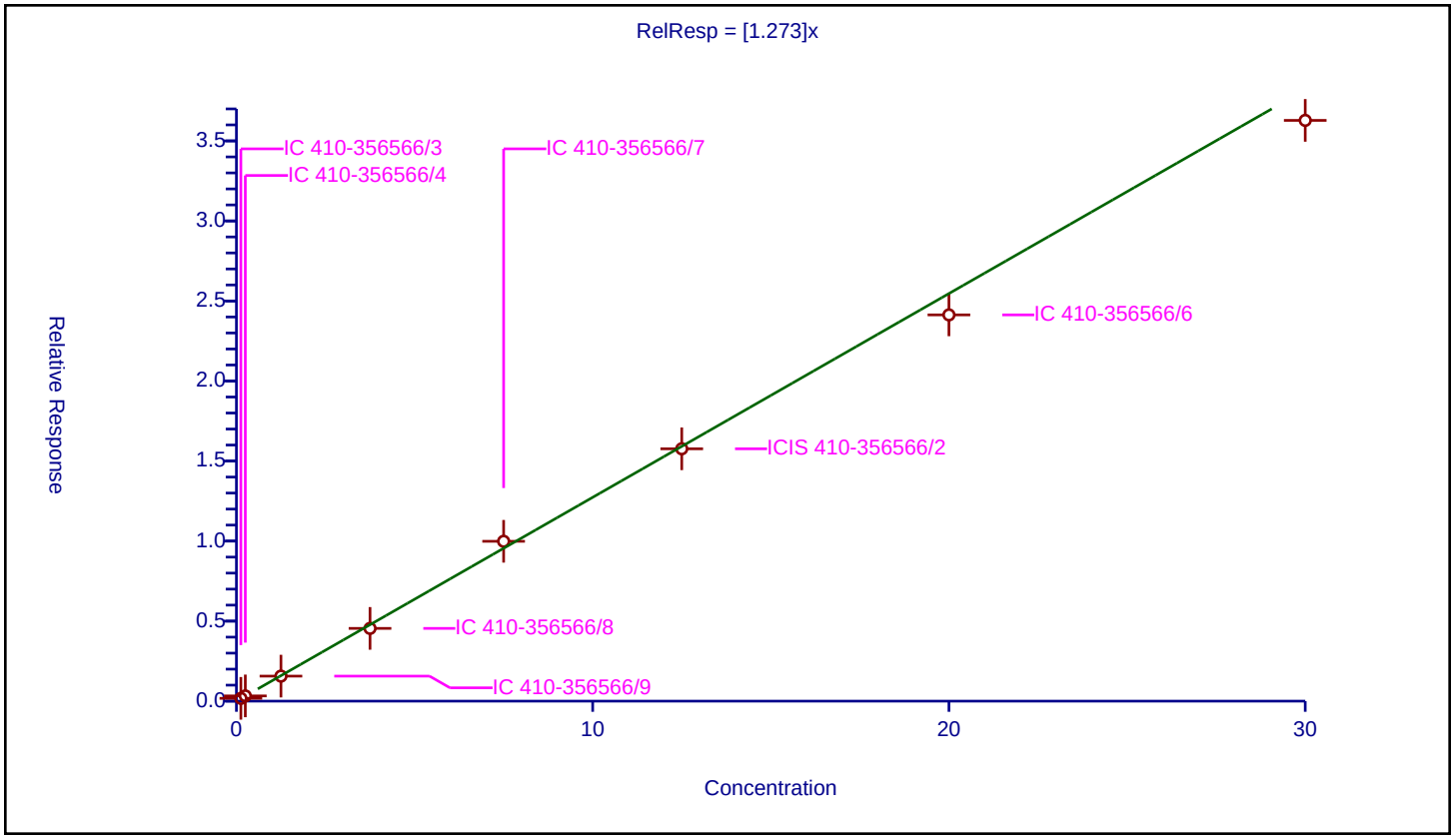
Curve Coefficients

Intercept:	0
Slope:	1.273

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	5.6
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.175808	5.0	479217.0	1.406461	Y
2	IC 410-356566/4	0.25	0.326921	5.0	610606.0	1.307684	Y
3	IC 410-356566/9	1.25	1.563018	5.0	497336.0	1.250414	Y
4	IC 410-356566/8	3.75	4.545839	5.0	743954.0	1.212224	Y
5	IC 410-356566/7	7.5	9.986588	5.0	709812.0	1.331545	Y
6	ICIS 410-356566/2	12.5	15.76545	5.0	779979.0	1.261236	Y
7	IC 410-356566/6	20.0	24.13041	5.0	555756.0	1.20652	Y
8	IC 410-356566/5	30.0	36.28176	5.0	776483.0	1.209392	Y



Calibration / p-Terphenyl-d14

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

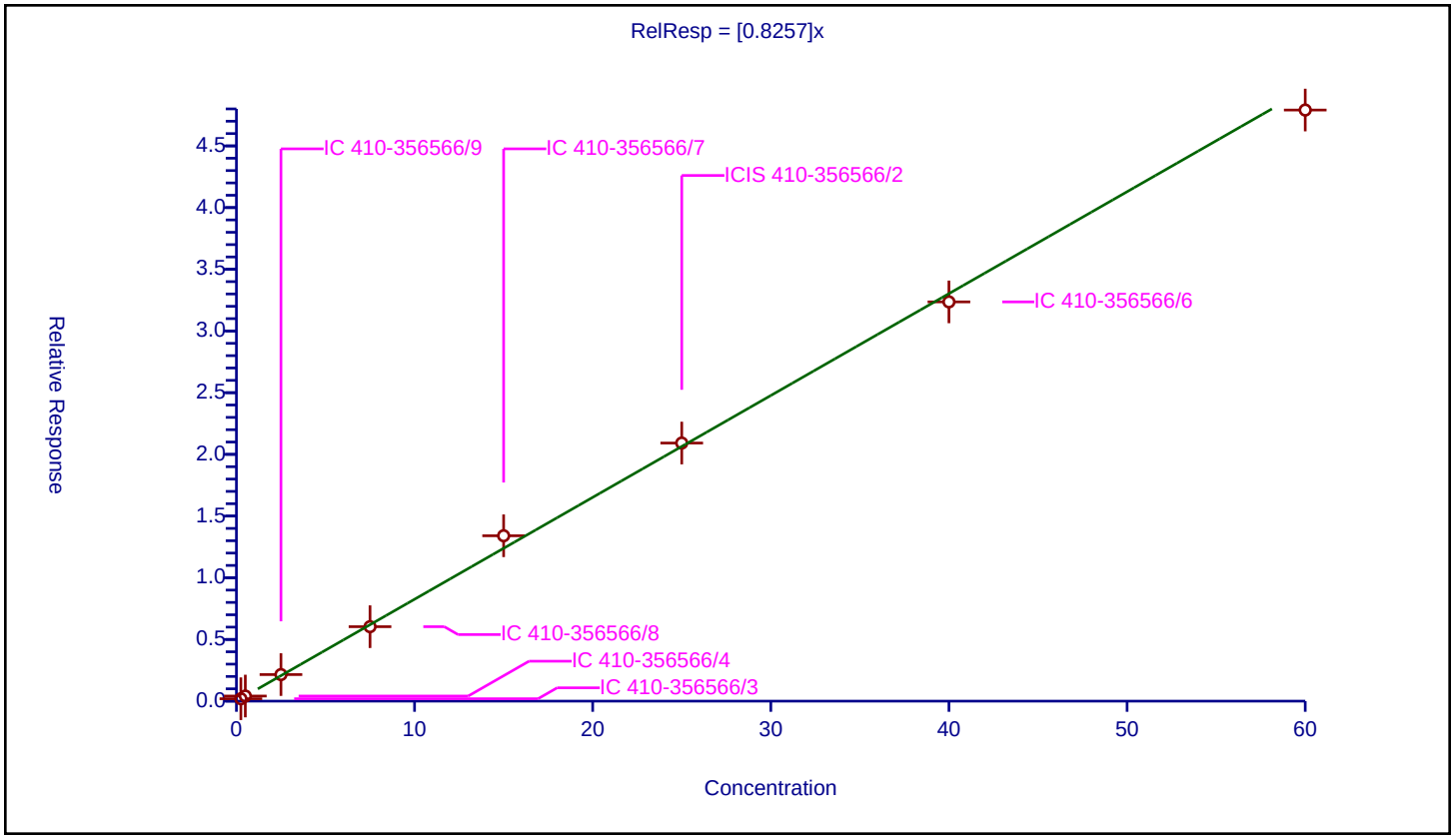
Curve Coefficients

Intercept:	0
Slope:	0.8257

Error Coefficients

Standard Error:	3450000
Relative Standard Error:	4.5
Correlation Coefficient:	0.968
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.25	0.194411	5.0	479217.0	0.777644	Y
2	IC 410-356566/4	0.5	0.412369	5.0	610606.0	0.824738	Y
3	IC 410-356566/9	2.5	2.15276	5.0	497336.0	0.861104	Y
4	IC 410-356566/8	7.5	6.034607	5.0	743954.0	0.804614	Y
5	IC 410-356566/7	15.0	13.402838	5.0	709812.0	0.893523	Y
6	ICIS 410-356566/2	25.0	20.917461	5.0	779979.0	0.836698	Y
7	IC 410-356566/6	40.0	32.357626	5.0	555756.0	0.808941	Y
8	IC 410-356566/5	60.0	47.908222	5.0	776483.0	0.79847	Y



Calibration / p-Dimethylamino azobenzene

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

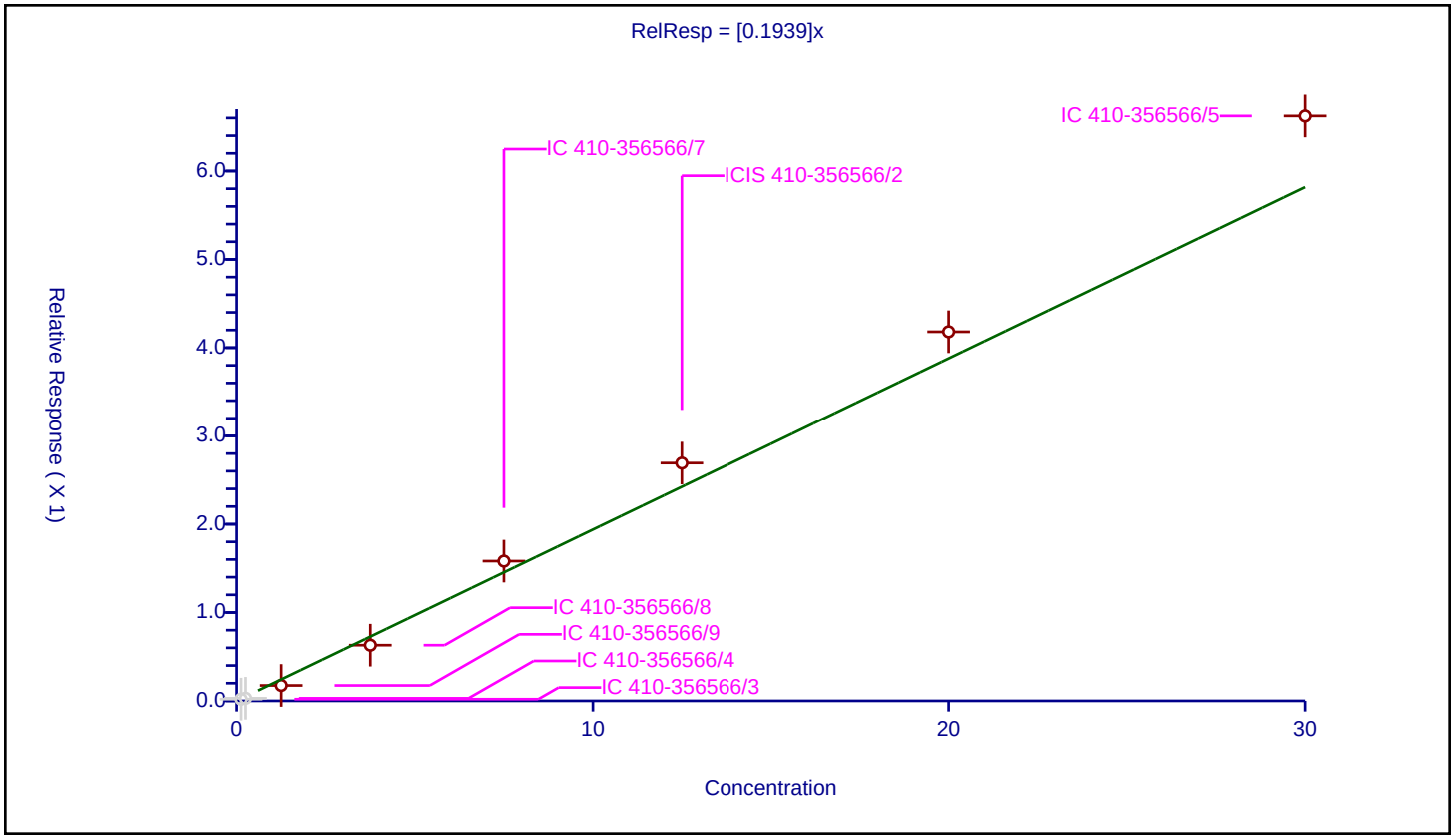
Curve Coefficients

Intercept:	0
Slope:	0.1939

Error Coefficients

Standard Error:	549000
Relative Standard Error:	16.8
Correlation Coefficient:	0.950
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.019553	5.0	479217.0	0.156422	N
2	IC 410-356566/4	0.25	0.029471	5.0	610606.0	0.117883	N
3	IC 410-356566/9	1.25	0.174319	5.0	497336.0	0.139455	Y
4	IC 410-356566/8	3.75	0.630099	5.0	743954.0	0.168027	Y
5	IC 410-356566/7	7.5	1.582137	5.0	709812.0	0.210952	Y
6	ICIS 410-356566/2	12.5	2.69238	5.0	779979.0	0.21539	Y
7	IC 410-356566/6	20.0	4.18054	5.0	555756.0	0.209027	Y
8	IC 410-356566/5	30.0	6.622785	5.0	776483.0	0.22076	Y



Calibration / Chlorobenzilate

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

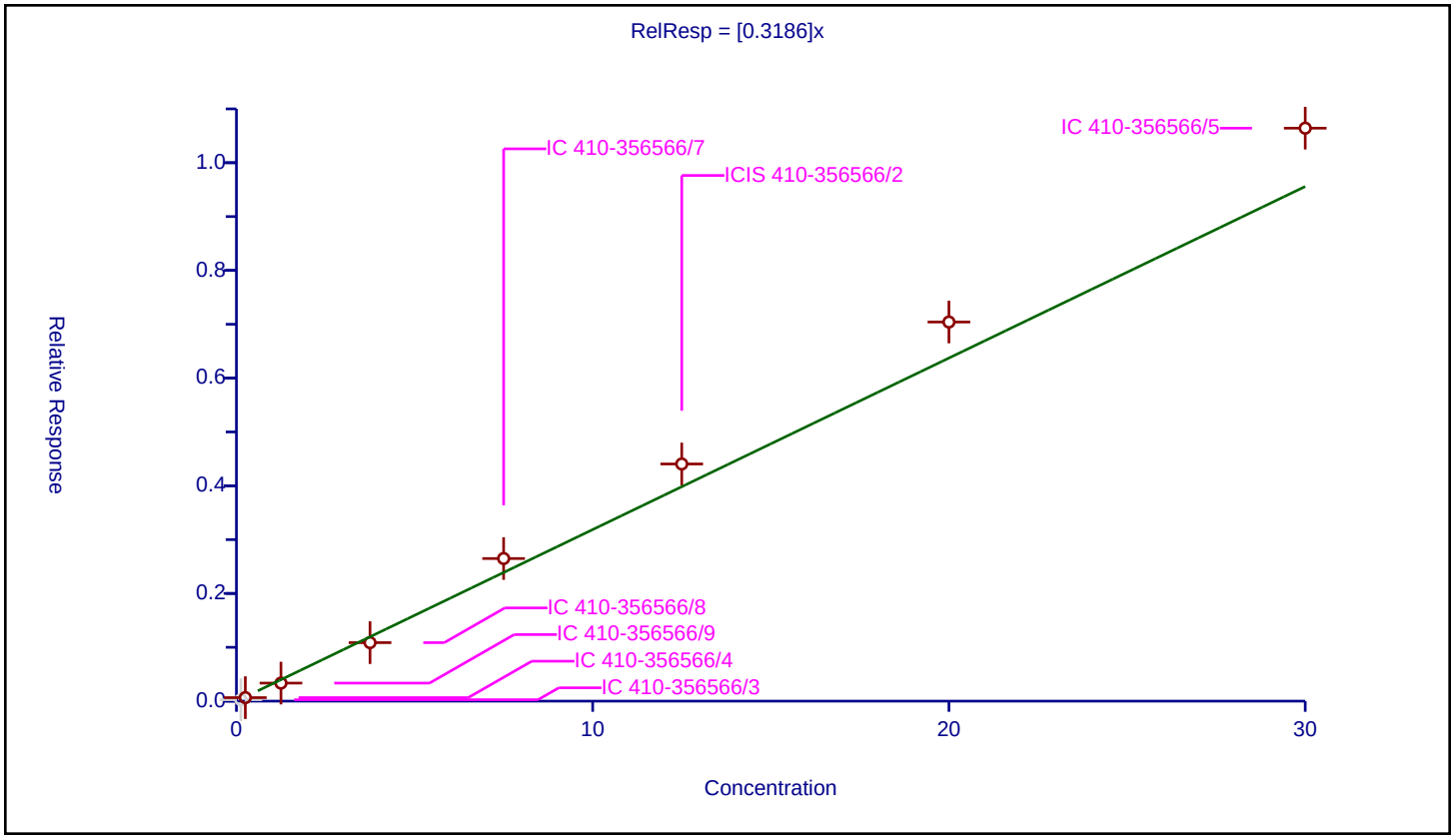
Curve Coefficients

Intercept:	0
Slope:	0.3186

Error Coefficients

Standard Error:	815000
Relative Standard Error:	13.8
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.02647	5.0	479217.0	0.211762	N
2	IC 410-356566/4	0.25	0.06505	5.0	610606.0	0.260201	Y
3	IC 410-356566/9	1.25	0.334924	5.0	497336.0	0.26794	Y
4	IC 410-356566/8	3.75	1.086808	5.0	743954.0	0.289815	Y
5	IC 410-356566/7	7.5	2.648962	5.0	709812.0	0.353195	Y
6	ICIS 410-356566/2	12.5	4.404978	5.0	779979.0	0.352398	Y
7	IC 410-356566/6	20.0	7.041372	5.0	555756.0	0.352069	Y
8	IC 410-356566/5	30.0	10.641811	5.0	776483.0	0.354727	Y



Calibration / 3,3'-Dimethylbenzidine

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

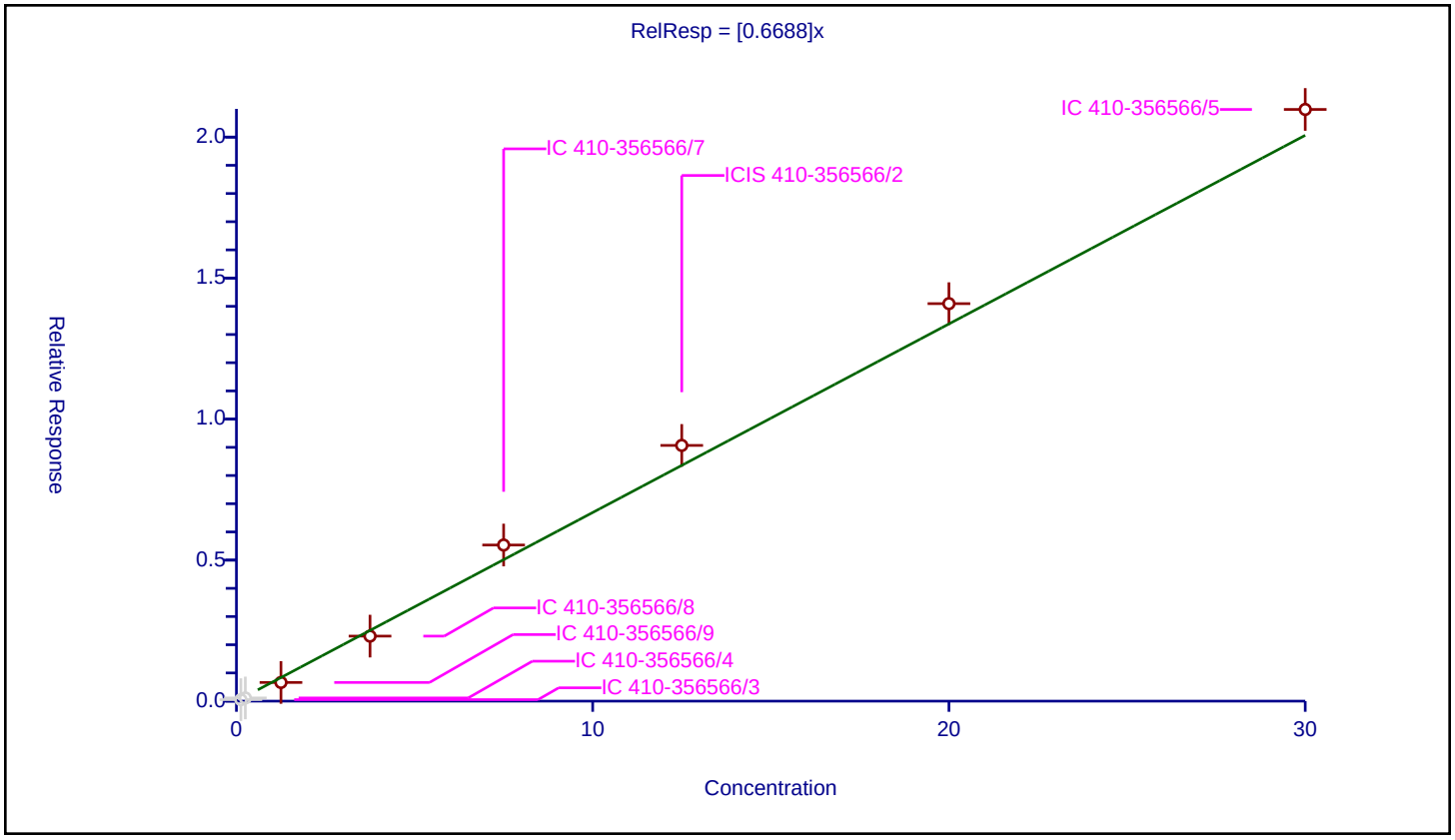
Curve Coefficients

Intercept:	0
Slope:	0.6688

Error Coefficients

Standard Error:	1780000
Relative Standard Error:	12.0
Correlation Coefficient:	0.958
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.053264	5.0	479217.0	0.426112	N
2	IC 410-356566/4	0.25	0.112585	5.0	610606.0	0.450339	N
3	IC 410-356566/9	1.25	0.662651	5.0	497336.0	0.53012	Y
4	IC 410-356566/8	3.75	2.305889	5.0	743954.0	0.614904	Y
5	IC 410-356566/7	7.5	5.535571	5.0	709812.0	0.738076	Y
6	ICIS 410-356566/2	12.5	9.067501	5.0	779979.0	0.7254	Y
7	IC 410-356566/6	20.0	14.094972	5.0	555756.0	0.704749	Y
8	IC 410-356566/5	30.0	20.979912	5.0	776483.0	0.69933	Y



Calibration / Butyl benzyl phthalate

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

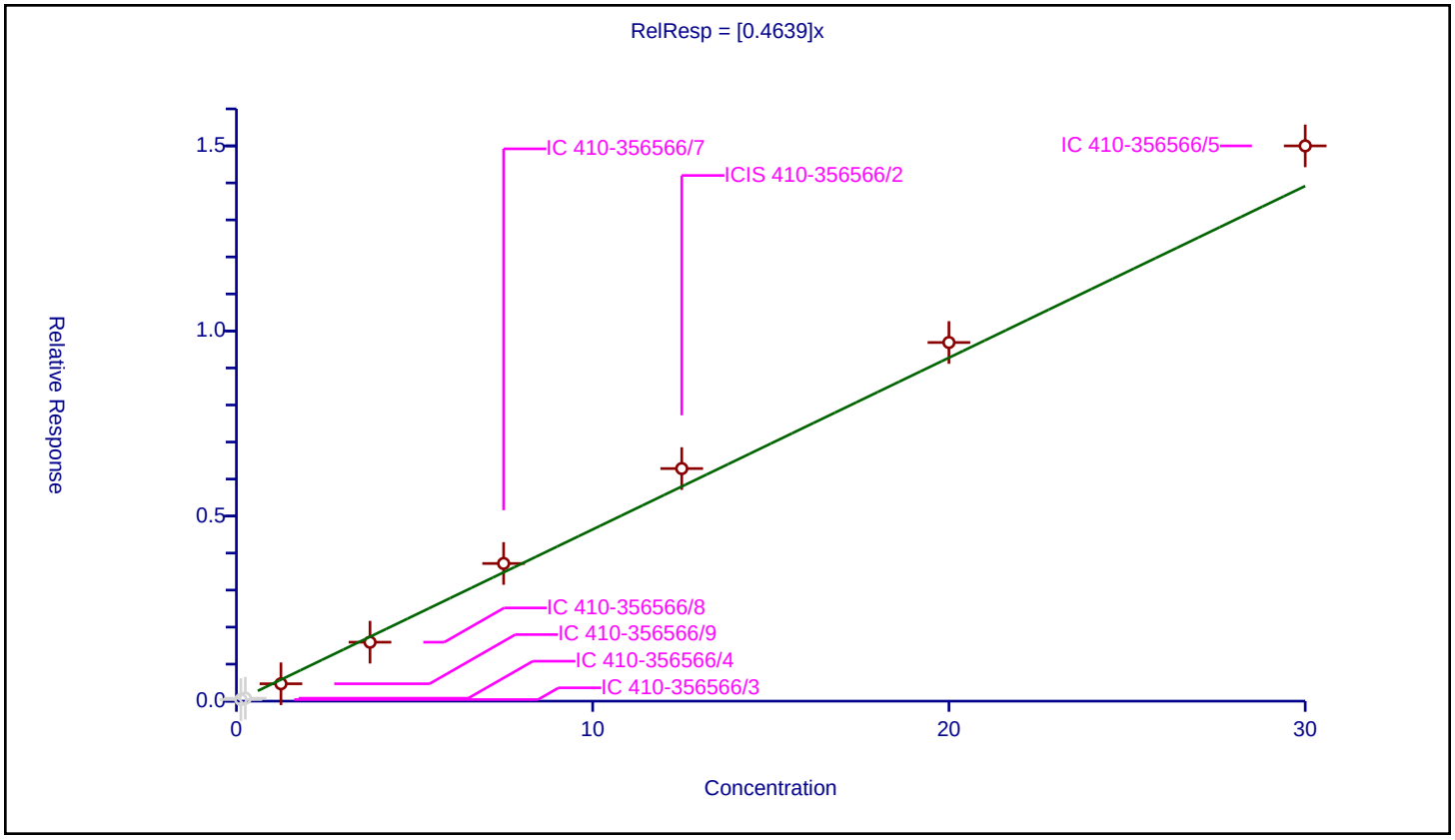
Curve Coefficients

Intercept:	0
Slope:	0.4639

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	11.2
Correlation Coefficient:	0.952
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.042882	5.0	479217.0	0.34306	N
2	IC 410-356566/4	0.25	0.078872	5.0	610606.0	0.31549	N
3	IC 410-356566/9	1.25	0.469552	5.0	497336.0	0.375641	Y
4	IC 410-356566/8	3.75	1.59237	5.0	743954.0	0.424632	Y
5	IC 410-356566/7	7.5	3.719217	5.0	709812.0	0.495896	Y
6	ICIS 410-356566/2	12.5	6.283188	5.0	779979.0	0.502655	Y
7	IC 410-356566/6	20.0	9.689027	5.0	555756.0	0.484451	Y
8	IC 410-356566/5	30.0	15.000258	5.0	776483.0	0.500009	Y



Calibration / 2-Acetylaminofluorene

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

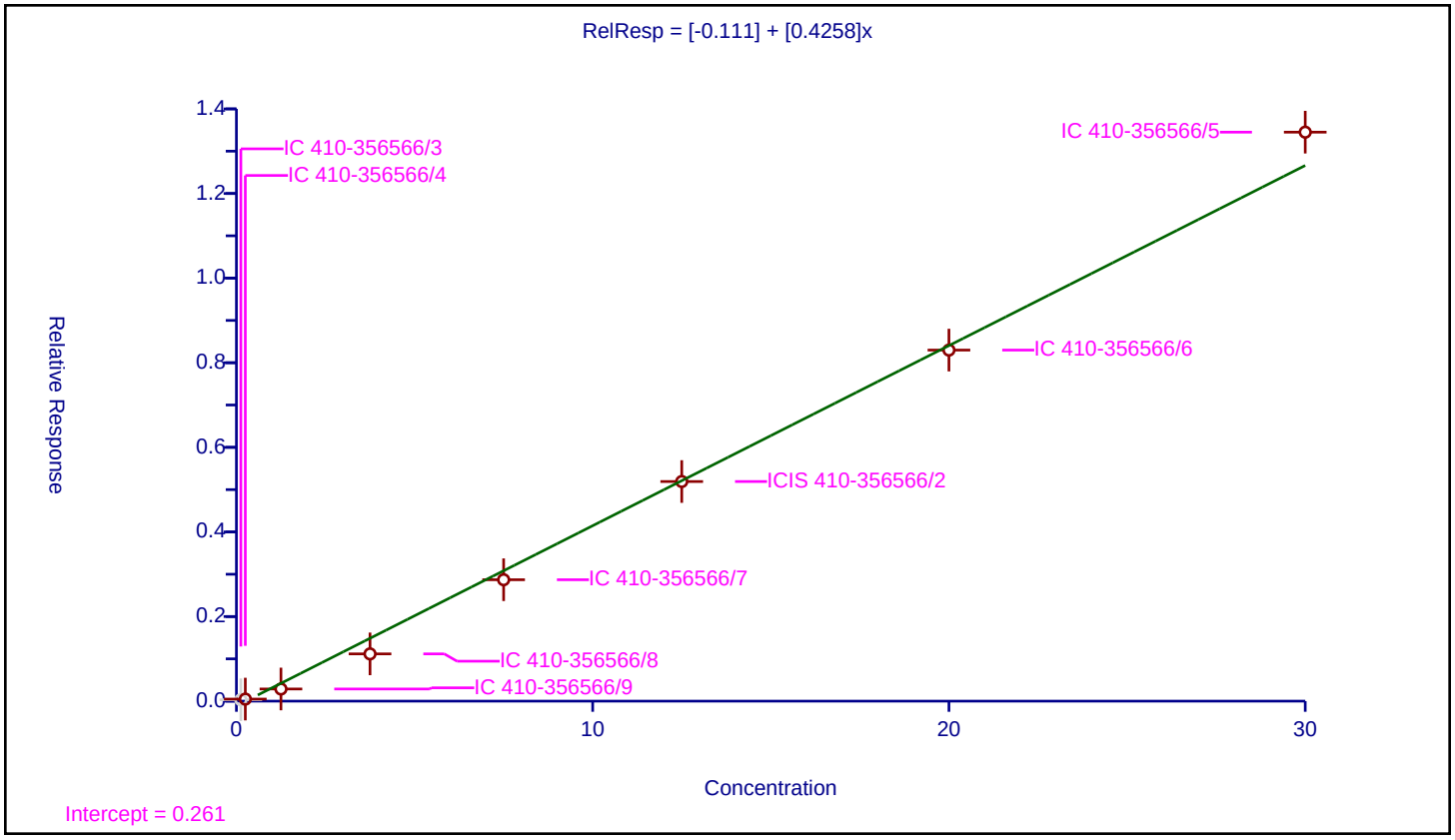
Curve Coefficients

Intercept:	-0.111
Slope:	0.4258

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	27.5
Correlation Coefficient:	0.955
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.03247	5.0	479217.0	0.259757	N
2	IC 410-356566/4	0.25	0.049058	5.0	610606.0	0.196231	Y
3	IC 410-356566/9	1.25	0.28714	5.0	497336.0	0.229712	Y
4	IC 410-356566/8	3.75	1.116951	5.0	743954.0	0.297854	Y
5	IC 410-356566/7	7.5	2.869767	5.0	709812.0	0.382636	Y
6	ICIS 410-356566/2	12.5	5.191037	5.0	779979.0	0.415283	Y
7	IC 410-356566/6	20.0	8.298084	5.0	555756.0	0.414904	Y
8	IC 410-356566/5	30.0	13.449644	5.0	776483.0	0.448321	Y



Calibration / 3,3'-Dichlorobenzidine

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

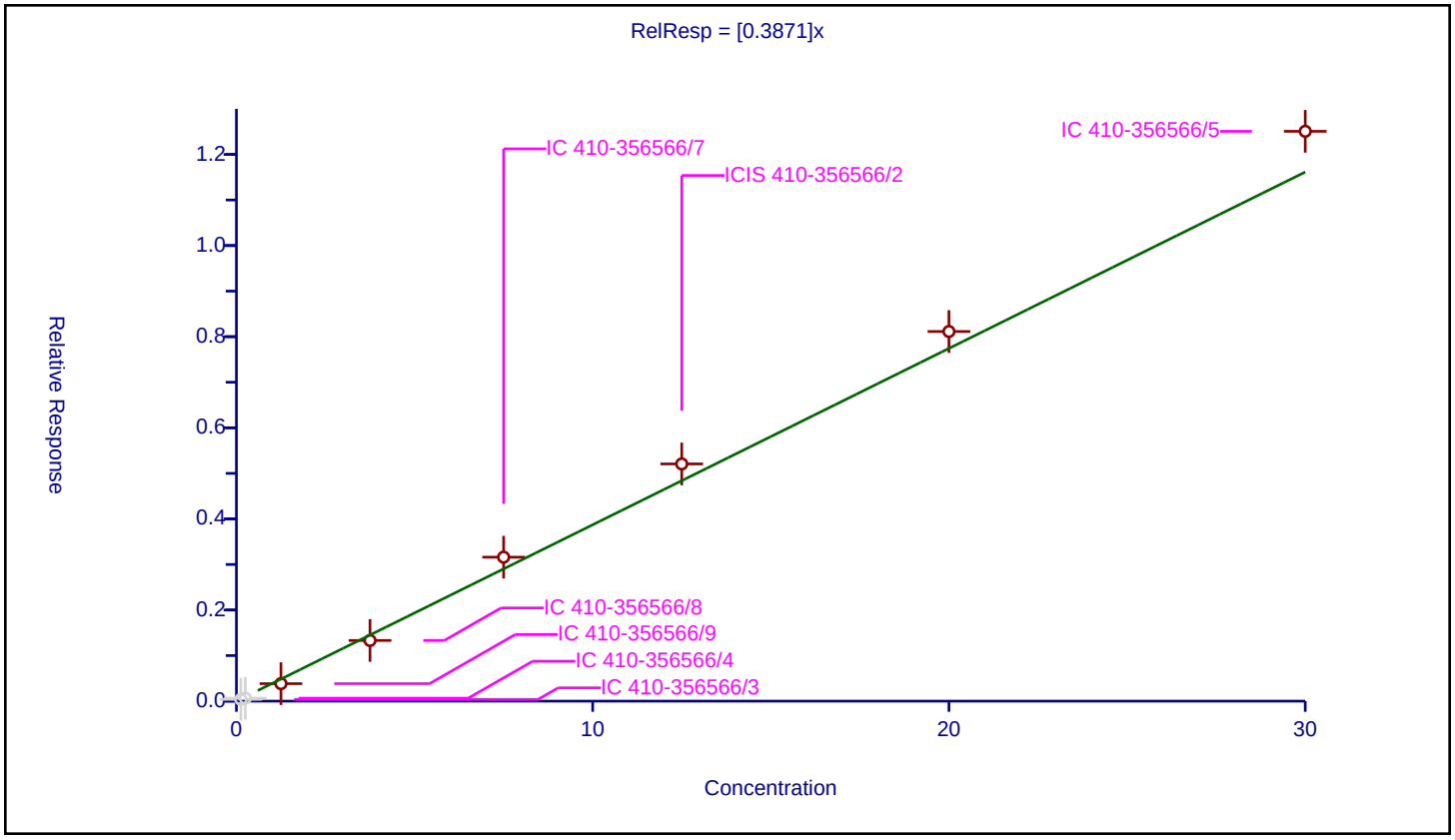
Curve Coefficients

Intercept:	0
Slope:	0.3871

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	11.9
Correlation Coefficient:	0.953
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.038813	5.0	479217.0	0.310507	N
2	IC 410-356566/4	0.25	0.064911	5.0	610606.0	0.259644	N
3	IC 410-356566/9	1.25	0.383936	5.0	497336.0	0.307148	Y
4	IC 410-356566/8	3.75	1.33148	5.0	743954.0	0.355061	Y
5	IC 410-356566/7	7.5	3.160316	5.0	709812.0	0.421375	Y
6	ICIS 410-356566/2	12.5	5.2068	5.0	779979.0	0.416544	Y
7	IC 410-356566/6	20.0	8.113777	5.0	555756.0	0.405689	Y
8	IC 410-356566/5	30.0	12.507692	5.0	776483.0	0.416923	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

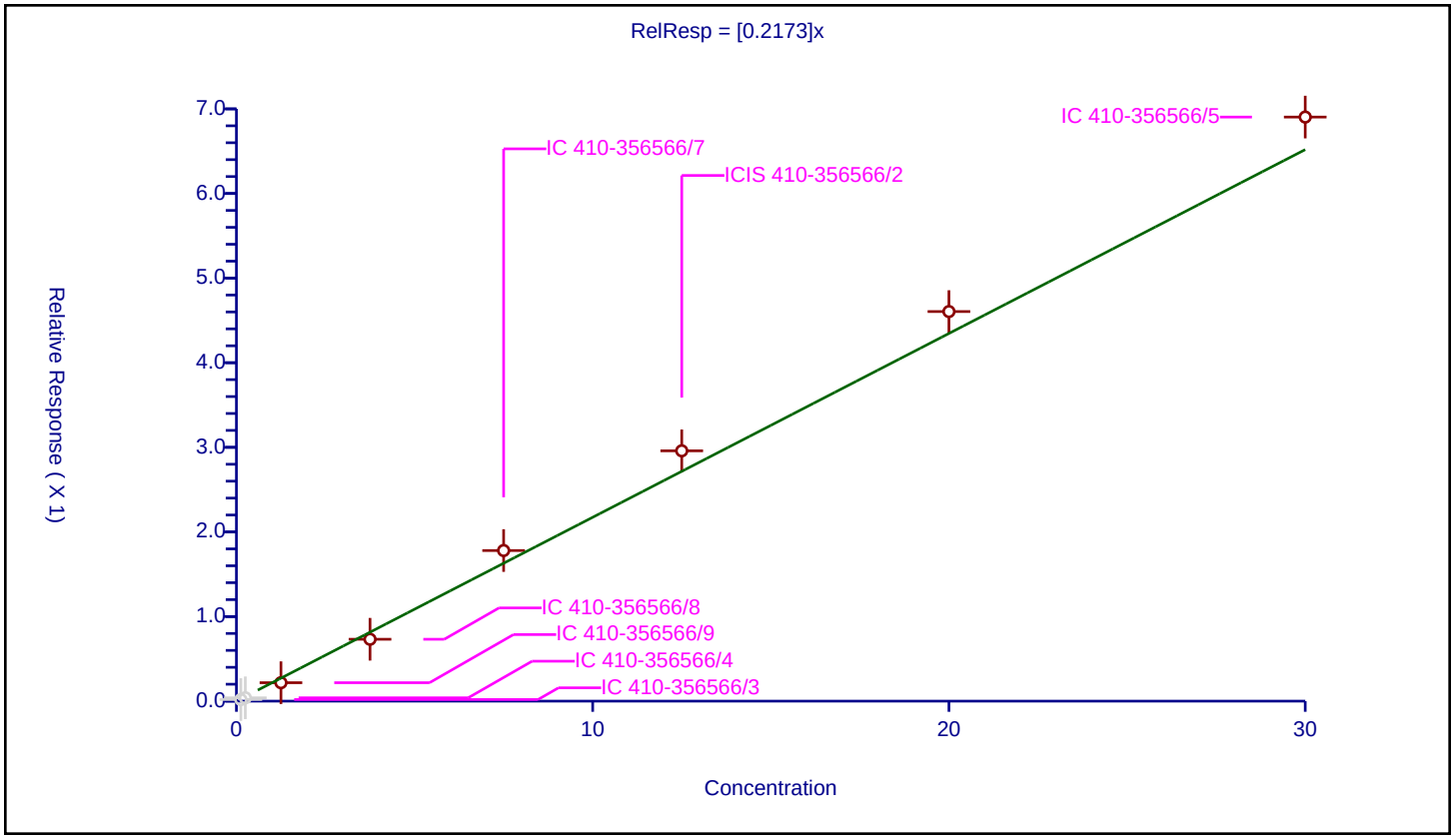
Curve Coefficients

Intercept:	0
Slope:	0.2173

Error Coefficients

Standard Error:	583000
Relative Standard Error:	12.1
Correlation Coefficient:	0.957
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.01901	5.0	479217.0	0.152081	N
2	IC 410-356566/4	0.25	0.039371	5.0	610606.0	0.157483	N
3	IC 410-356566/9	1.25	0.217901	5.0	497336.0	0.174321	Y
4	IC 410-356566/8	3.75	0.731423	5.0	743954.0	0.195046	Y
5	IC 410-356566/7	7.5	1.780056	5.0	709812.0	0.237341	Y
6	ICIS 410-356566/2	12.5	2.958778	5.0	779979.0	0.236702	Y
7	IC 410-356566/6	20.0	4.604548	5.0	555756.0	0.230227	Y
8	IC 410-356566/5	30.0	6.903261	5.0	776483.0	0.230109	Y



Calibration / Benzo[a]anthracene

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

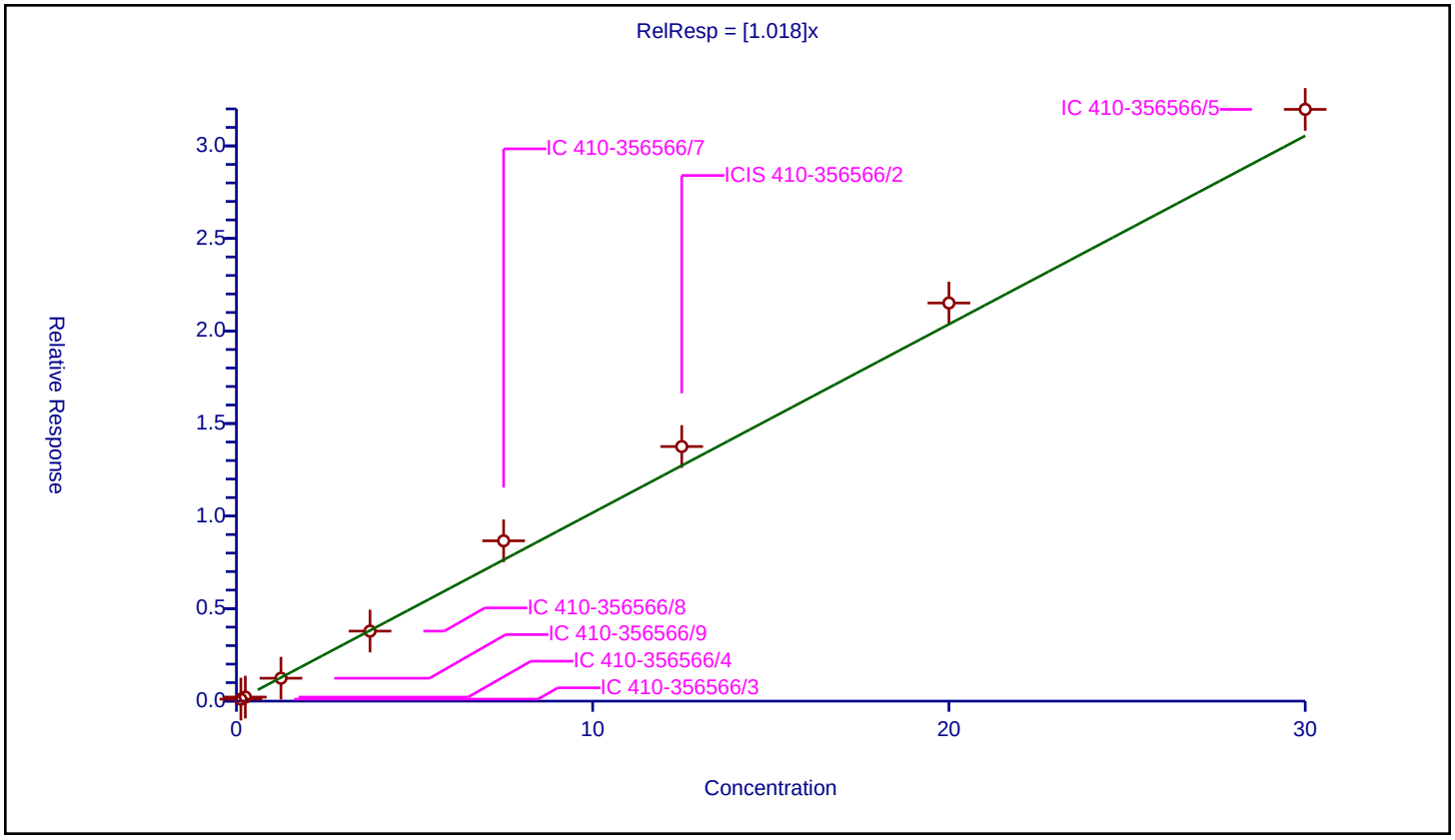
Curve Coefficients

Intercept:	0
Slope:	1.018

Error Coefficients

Standard Error:	2290000
Relative Standard Error:	10.0
Correlation Coefficient:	0.968
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.109042	5.0	479217.0	0.87234	Y
2	IC 410-356566/4	0.25	0.219176	5.0	610606.0	0.876703	Y
3	IC 410-356566/9	1.25	1.237986	5.0	497336.0	0.990389	Y
4	IC 410-356566/8	3.75	3.78432	5.0	743954.0	1.009152	Y
5	IC 410-356566/7	7.5	8.662914	5.0	709812.0	1.155055	Y
6	ICIS 410-356566/2	12.5	13.75662	5.0	779979.0	1.10053	Y
7	IC 410-356566/6	20.0	21.511958	5.0	555756.0	1.075598	Y
8	IC 410-356566/5	30.0	31.974177	5.0	776483.0	1.065806	Y



Calibration / Chrysene

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

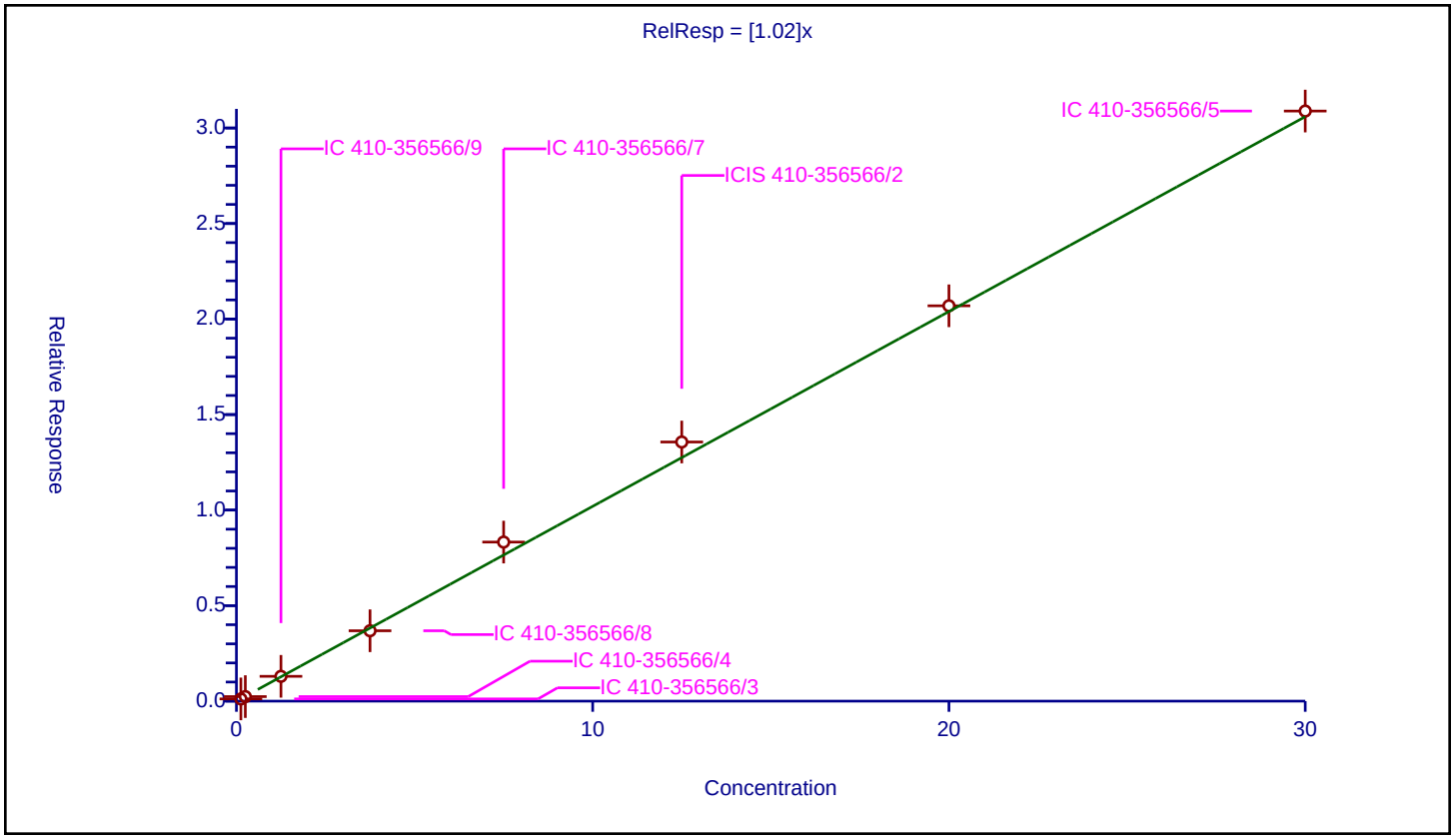
Curve Coefficients

Intercept:	0
Slope:	1.02

Error Coefficients

Standard Error:	2220000
Relative Standard Error:	6.2
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.115897	5.0	479217.0	0.927179	Y
2	IC 410-356566/4	0.25	0.237453	5.0	610606.0	0.949811	Y
3	IC 410-356566/9	1.25	1.298669	5.0	497336.0	1.038935	Y
4	IC 410-356566/8	3.75	3.684032	5.0	743954.0	0.982408	Y
5	IC 410-356566/7	7.5	8.325923	5.0	709812.0	1.110123	Y
6	ICIS 410-356566/2	12.5	13.564025	5.0	779979.0	1.085122	Y
7	IC 410-356566/6	20.0	20.693641	5.0	555756.0	1.034682	Y
8	IC 410-356566/5	30.0	30.886394	5.0	776483.0	1.029546	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

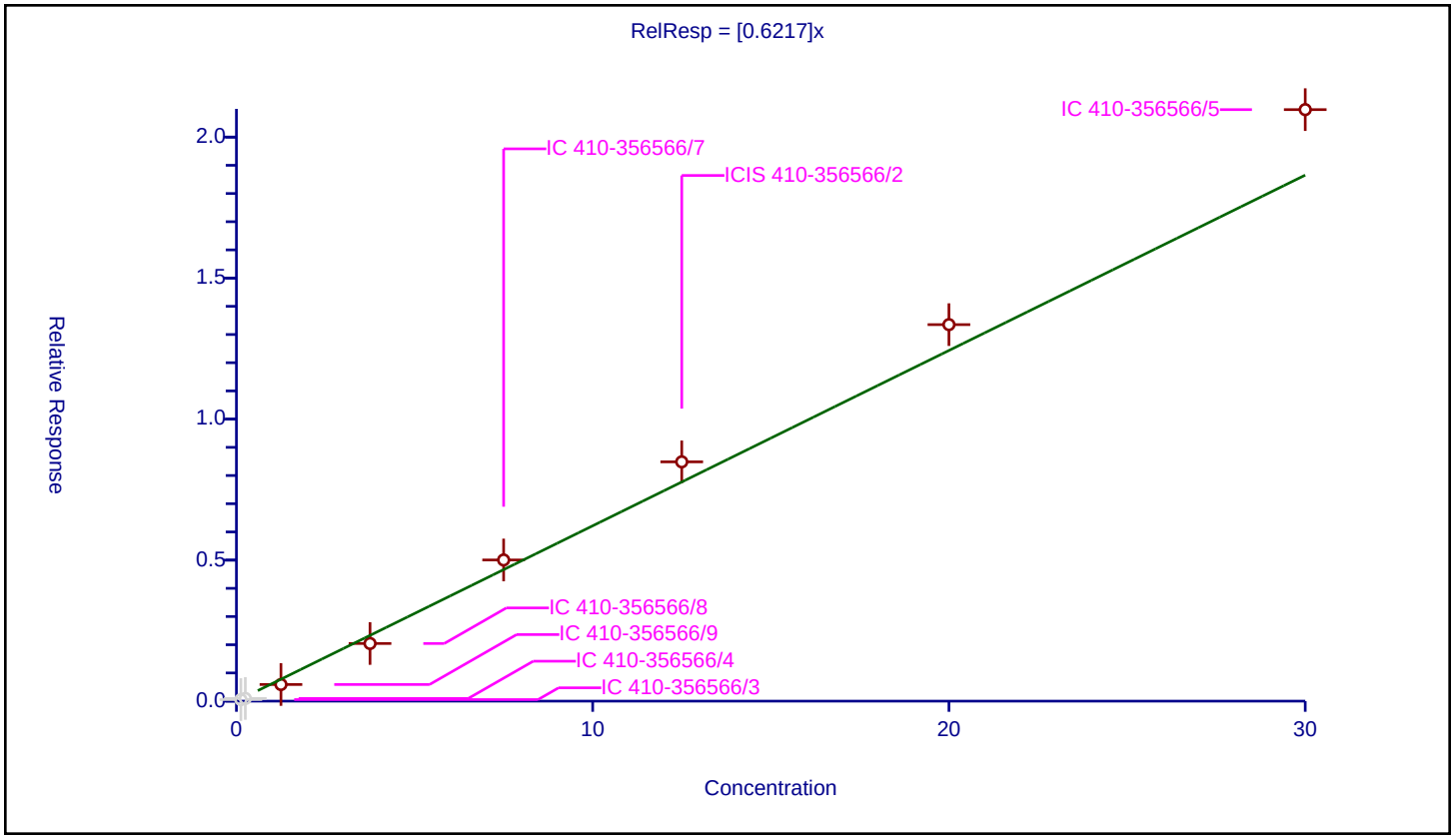
Curve Coefficients

Intercept:	0
Slope:	0.6217

Error Coefficients

Standard Error:	1740000
Relative Standard Error:	14.7
Correlation Coefficient:	0.952
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.055612	5.0	479217.0	0.444892	N
2	IC 410-356566/4	0.25	0.09511	5.0	610606.0	0.380442	N
3	IC 410-356566/9	1.25	0.590164	5.0	497336.0	0.472132	Y
4	IC 410-356566/8	3.75	2.044562	5.0	743954.0	0.545217	Y
5	IC 410-356566/7	7.5	5.006178	5.0	709812.0	0.66749	Y
6	ICIS 410-356566/2	12.5	8.485261	5.0	779979.0	0.678821	Y
7	IC 410-356566/6	20.0	13.350436	5.0	555756.0	0.667522	Y
8	IC 410-356566/5	30.0	20.973589	5.0	776483.0	0.69912	Y



Calibration / 6-Methylchrysene

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

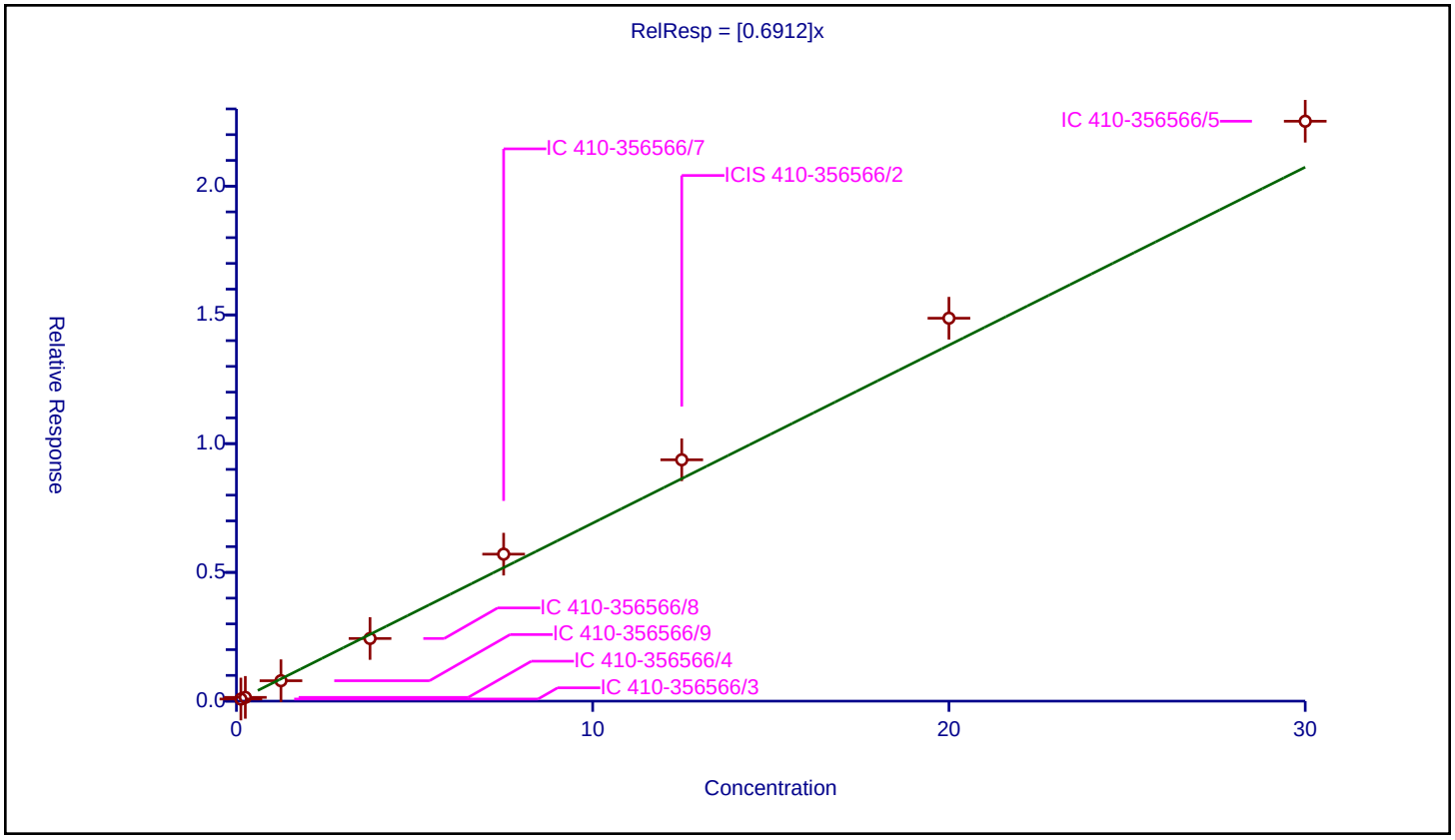
Curve Coefficients

Intercept:	0
Slope:	0.6912

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	9.8
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.081904	5.0	479217.0	0.655236	Y
2	IC 410-356566/4	0.25	0.146535	5.0	610606.0	0.586139	Y
3	IC 410-356566/9	1.25	0.793076	5.0	497336.0	0.63446	Y
4	IC 410-356566/8	3.75	2.432812	5.0	743954.0	0.64875	Y
5	IC 410-356566/7	7.5	5.708103	5.0	709812.0	0.76108	Y
6	ICIS 410-356566/2	12.5	9.372688	5.0	779979.0	0.749815	Y
7	IC 410-356566/6	20.0	14.870933	5.0	555756.0	0.743547	Y
8	IC 410-356566/5	30.0	22.520821	5.0	776483.0	0.750694	Y



Calibration / Di-n-octyl phthalate

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

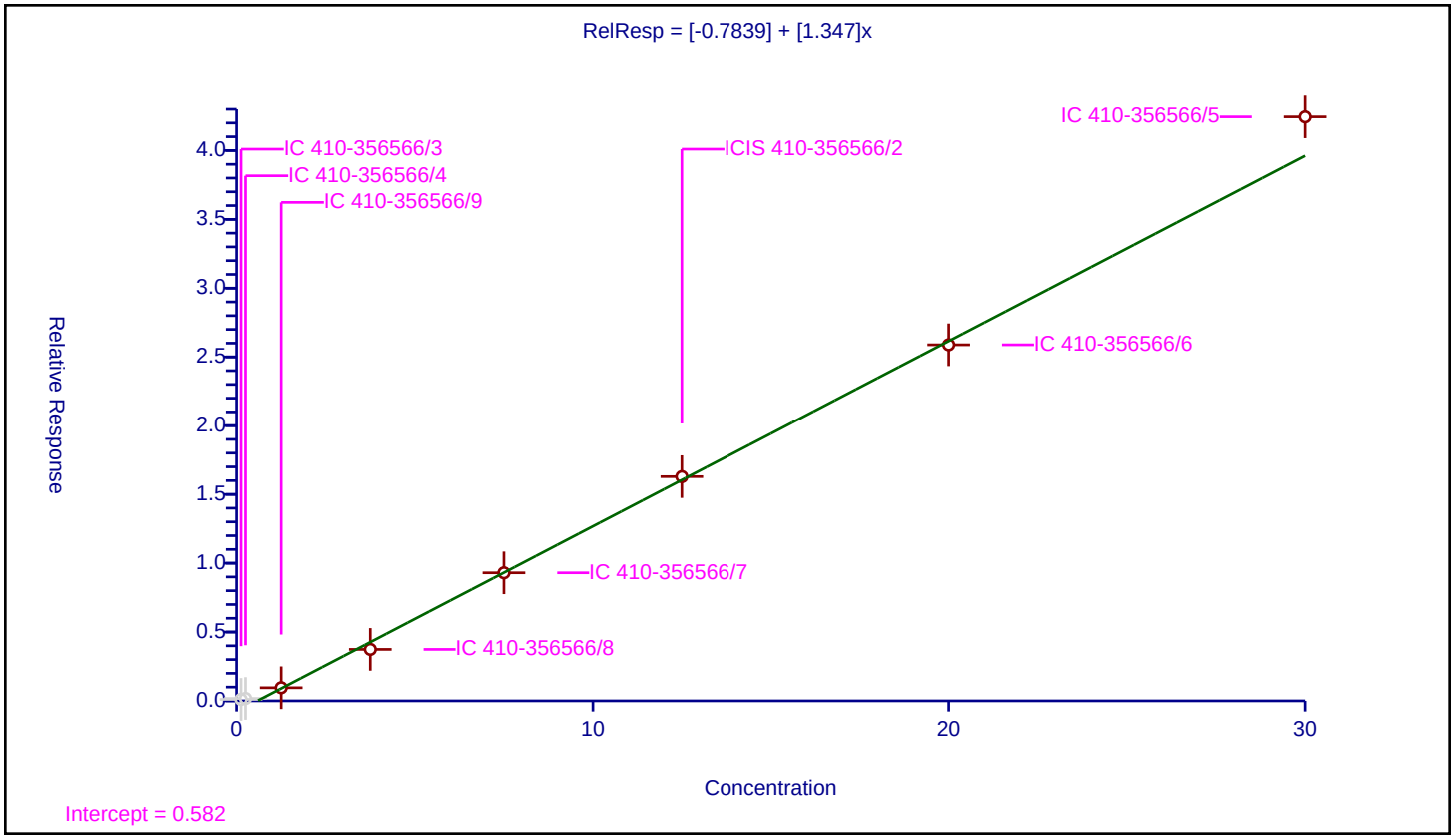
Curve Coefficients

Intercept:	-0.7839
Slope:	1.347

Error Coefficients

Standard Error:	3170000
Relative Standard Error:	6.5
Correlation Coefficient:	0.948
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.108138	5.0	379469.0	0.865104	N
2	IC 410-356566/4	0.25	0.173154	5.0	498198.0	0.692616	N
3	IC 410-356566/9	1.25	0.952257	5.0	408603.0	0.761805	Y
4	IC 410-356566/8	3.75	3.738242	5.0	598403.0	0.996864	Y
5	IC 410-356566/7	7.5	9.301826	5.0	582541.0	1.240243	Y
6	ICIS 410-356566/2	12.5	16.293182	5.0	651289.0	1.303455	Y
7	IC 410-356566/6	20.0	25.883118	5.0	456281.0	1.294156	Y
8	IC 410-356566/5	30.0	42.449718	5.0	631587.0	1.414991	Y



Calibration / 7,12-Dimethylbenz(a)anthracene

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

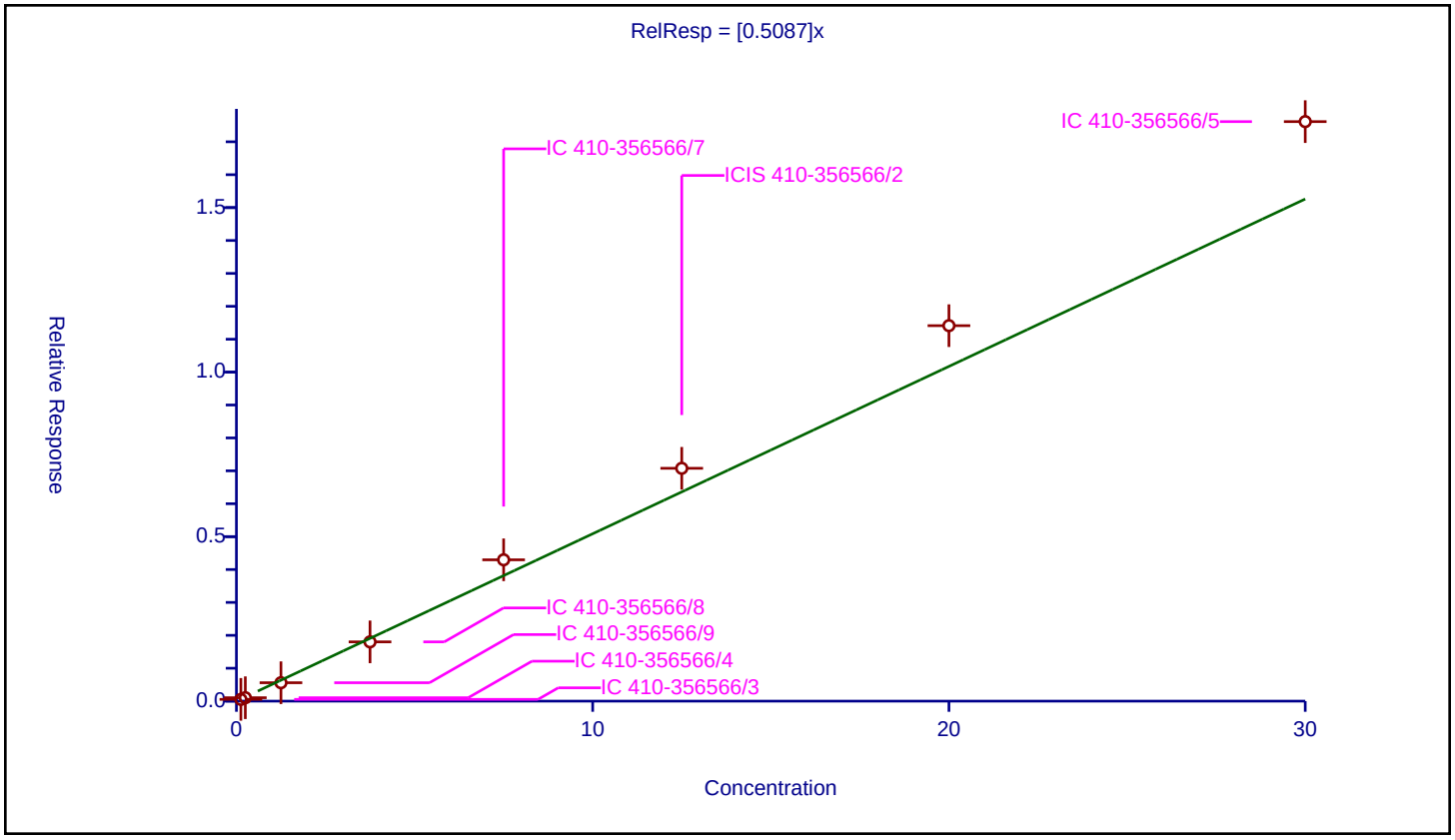
Curve Coefficients

Intercept:	0
Slope:	0.5087

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	14.3
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.053562	5.0	379469.0	0.428494	Y
2	IC 410-356566/4	0.25	0.104145	5.0	498198.0	0.416581	Y
3	IC 410-356566/9	1.25	0.559443	5.0	408603.0	0.447554	Y
4	IC 410-356566/8	3.75	1.801378	5.0	598403.0	0.480367	Y
5	IC 410-356566/7	7.5	4.295586	5.0	582541.0	0.572745	Y
6	ICIS 410-356566/2	12.5	7.076743	5.0	651289.0	0.566139	Y
7	IC 410-356566/6	20.0	11.411564	5.0	456281.0	0.570578	Y
8	IC 410-356566/5	30.0	17.6131	5.0	631587.0	0.587103	Y



Calibration / Benzo[b]fluoranthene

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

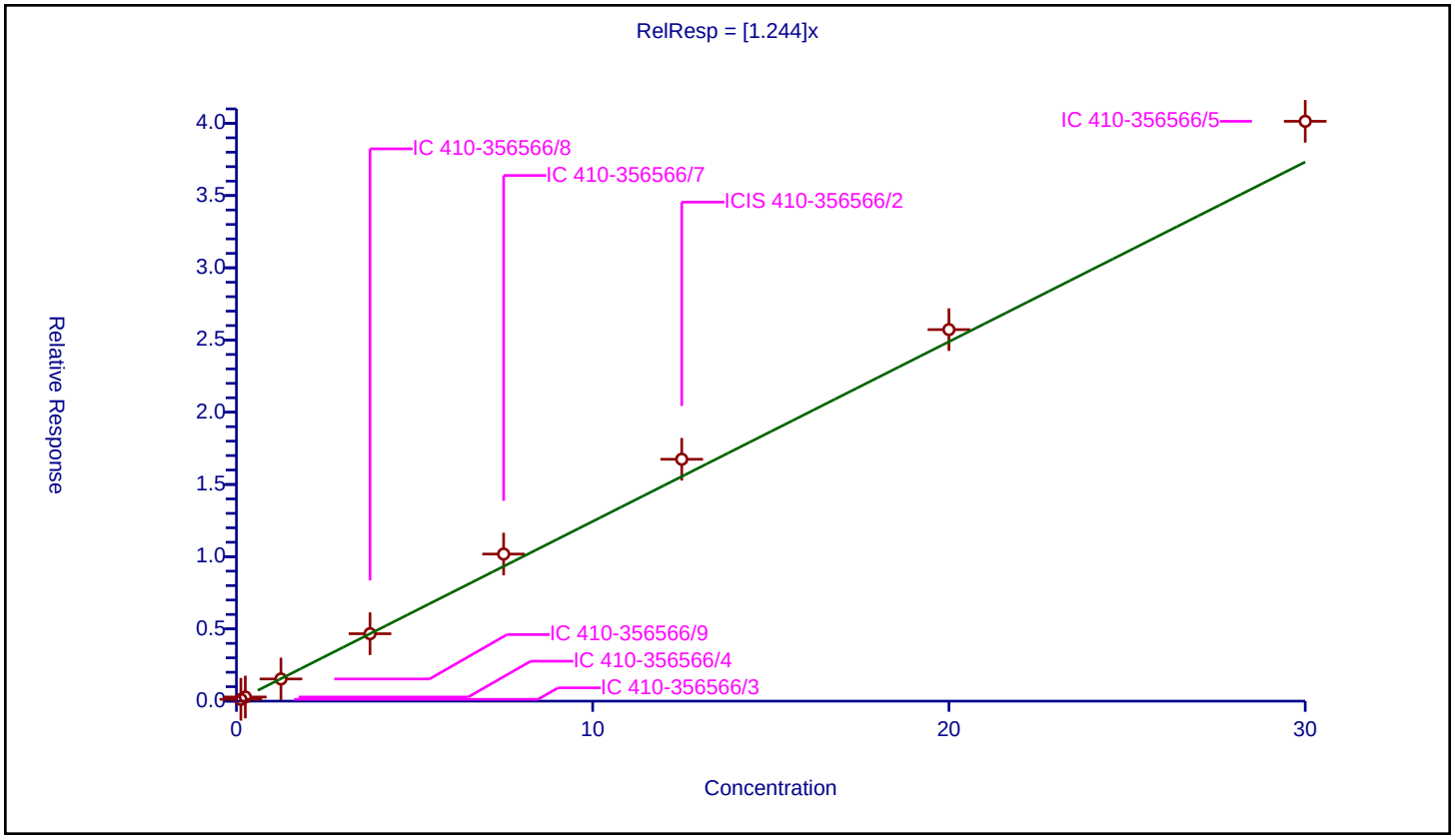
Curve Coefficients

Intercept:	0
Slope:	1.244

Error Coefficients

Standard Error:	2320000
Relative Standard Error:	9.4
Correlation Coefficient:	0.962
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.127059	5.0	379469.0	1.016473	Y
2	IC 410-356566/4	0.25	0.28586	5.0	498198.0	1.143441	Y
3	IC 410-356566/9	1.25	1.534656	5.0	408603.0	1.227725	Y
4	IC 410-356566/8	3.75	4.667323	5.0	598403.0	1.244619	Y
5	IC 410-356566/7	7.5	10.18306	5.0	582541.0	1.357741	Y
6	ICIS 410-356566/2	12.5	16.743834	5.0	651289.0	1.339507	Y
7	IC 410-356566/6	20.0	25.720203	5.0	456281.0	1.28601	Y
8	IC 410-356566/5	30.0	40.141176	5.0	631587.0	1.338039	Y



Calibration / Benzo[k]fluoranthene

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

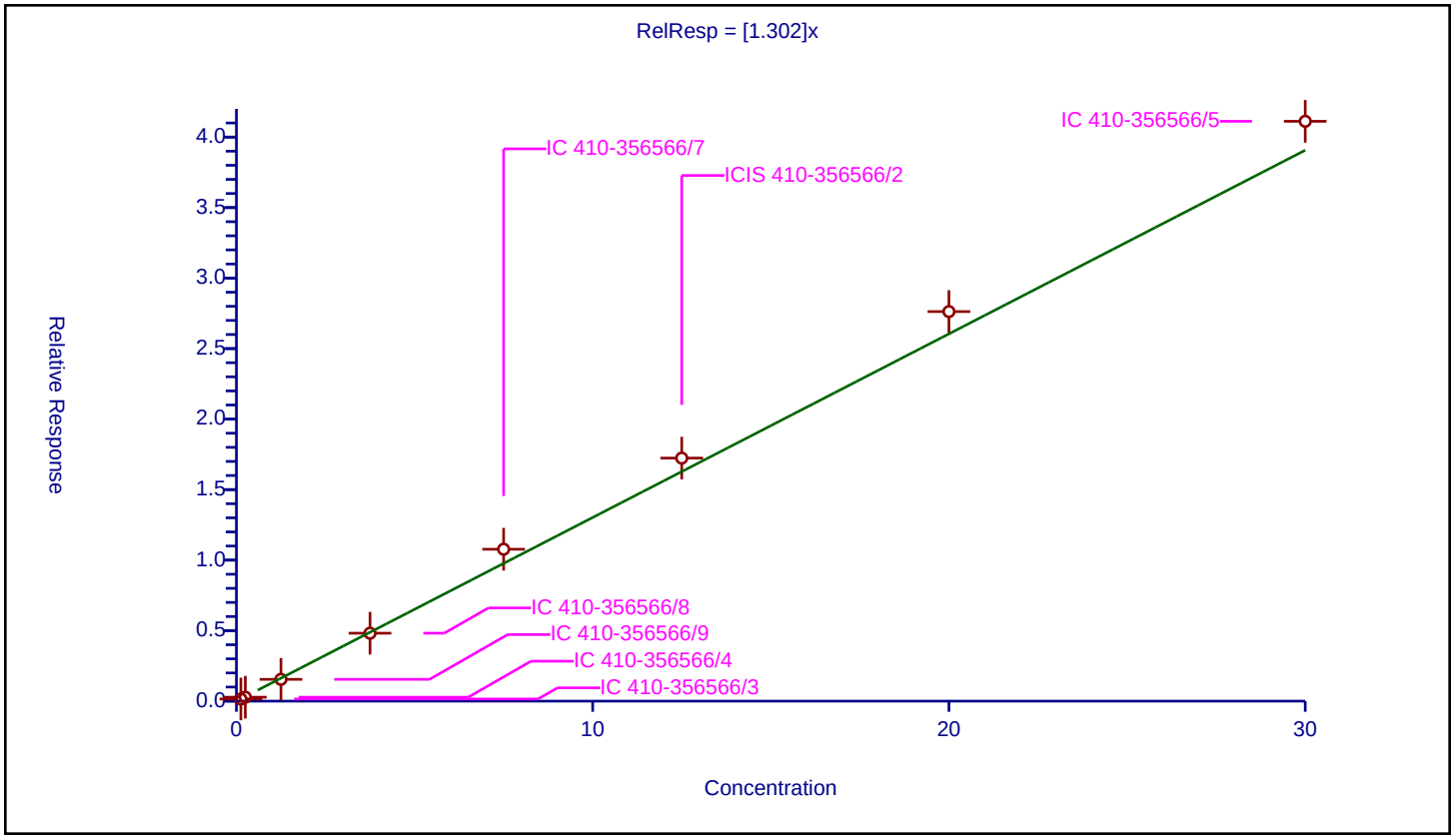
Curve Coefficients

Intercept:	0
Slope:	1.302

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	8.3
Correlation Coefficient:	0.970
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.151844	5.0	379469.0	1.21475	Y
2	IC 410-356566/4	0.25	0.278945	5.0	498198.0	1.115781	Y
3	IC 410-356566/9	1.25	1.545131	5.0	408603.0	1.236104	Y
4	IC 410-356566/8	3.75	4.817823	5.0	598403.0	1.284753	Y
5	IC 410-356566/7	7.5	10.771791	5.0	582541.0	1.436239	Y
6	ICIS 410-356566/2	12.5	17.236012	5.0	651289.0	1.378881	Y
7	IC 410-356566/6	20.0	27.626802	5.0	456281.0	1.38134	Y
8	IC 410-356566/5	30.0	41.120234	5.0	631587.0	1.370674	Y



Calibration / Benzo[a]pyrene

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

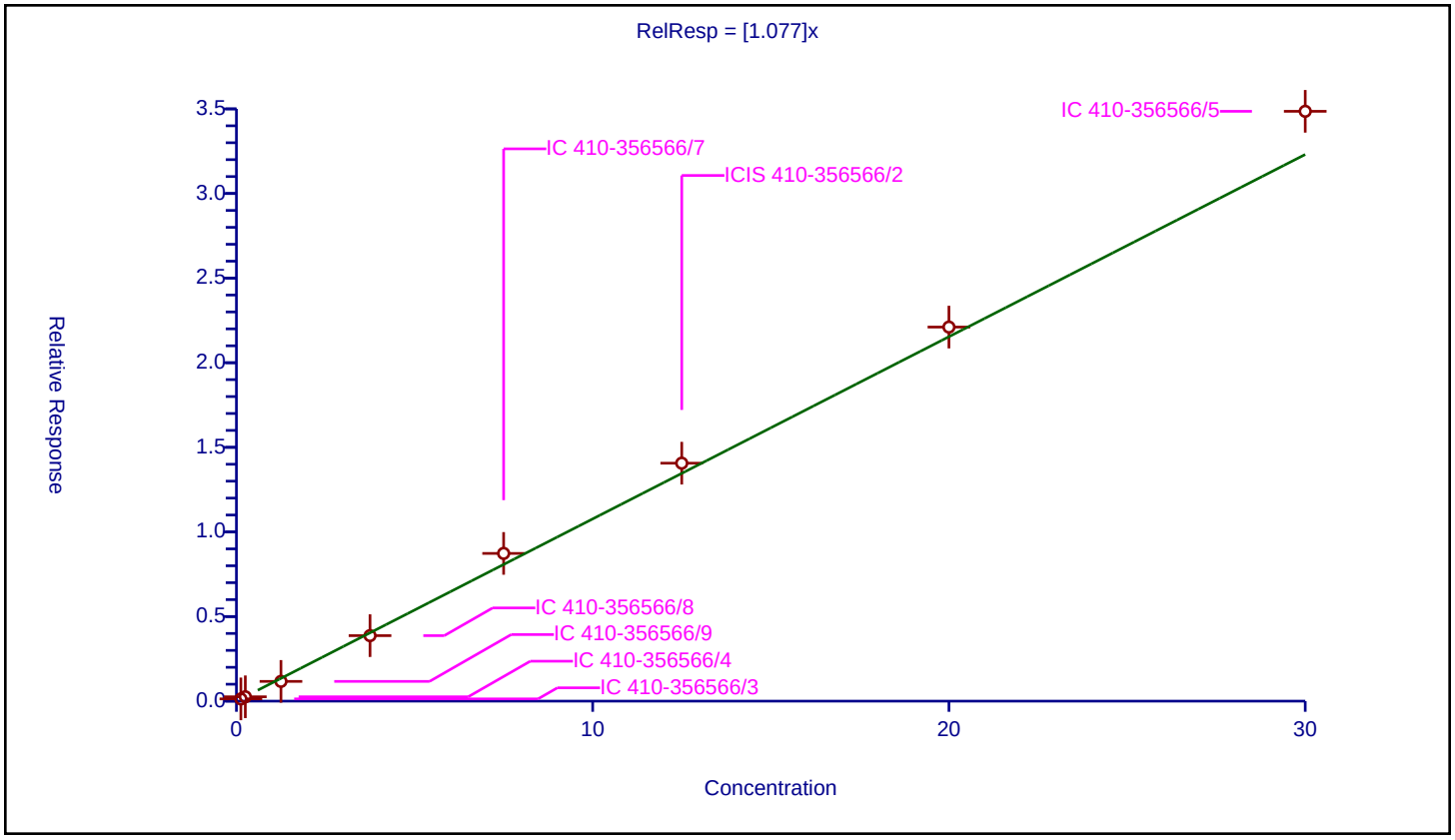
Curve Coefficients

Intercept:	0
Slope:	1.077

Error Coefficients

Standard Error:	2000000
Relative Standard Error:	7.3
Correlation Coefficient:	0.962
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.133015	5.0	379469.0	1.064119	Y
2	IC 410-356566/4	0.25	0.257167	5.0	498198.0	1.028667	Y
3	IC 410-356566/9	1.25	1.166878	5.0	408603.0	0.933503	Y
4	IC 410-356566/8	3.75	3.871012	5.0	598403.0	1.03227	Y
5	IC 410-356566/7	7.5	8.730879	5.0	582541.0	1.164117	Y
6	ICIS 410-356566/2	12.5	14.062521	5.0	651289.0	1.125002	Y
7	IC 410-356566/6	20.0	22.105599	5.0	456281.0	1.10528	Y
8	IC 410-356566/5	30.0	34.856876	5.0	631587.0	1.161896	Y



Calibration / 3-Methylcholanthrene

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

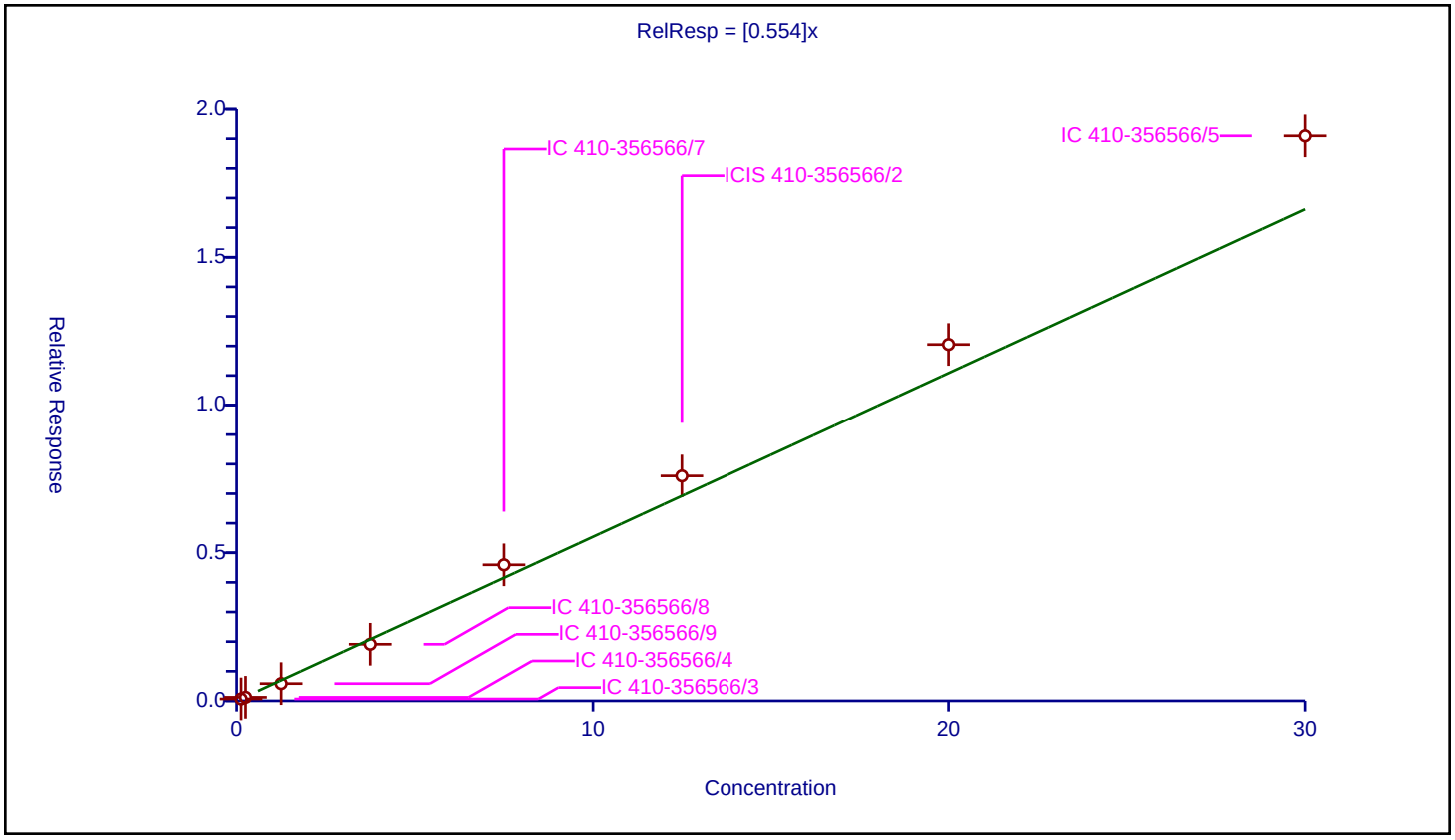
Curve Coefficients

Intercept:	0
Slope:	0.554

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	12.2
Correlation Coefficient:	0.962
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.064762	5.0	379469.0	0.518092	Y
2	IC 410-356566/4	0.25	0.119782	5.0	498198.0	0.479127	Y
3	IC 410-356566/9	1.25	0.582301	5.0	408603.0	0.465841	Y
4	IC 410-356566/8	3.75	1.911454	5.0	598403.0	0.509721	Y
5	IC 410-356566/7	7.5	4.593677	5.0	582541.0	0.61249	Y
6	ICIS 410-356566/2	12.5	7.600957	5.0	651289.0	0.608077	Y
7	IC 410-356566/6	20.0	12.048792	5.0	456281.0	0.60244	Y
8	IC 410-356566/5	30.0	19.097931	5.0	631587.0	0.636598	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

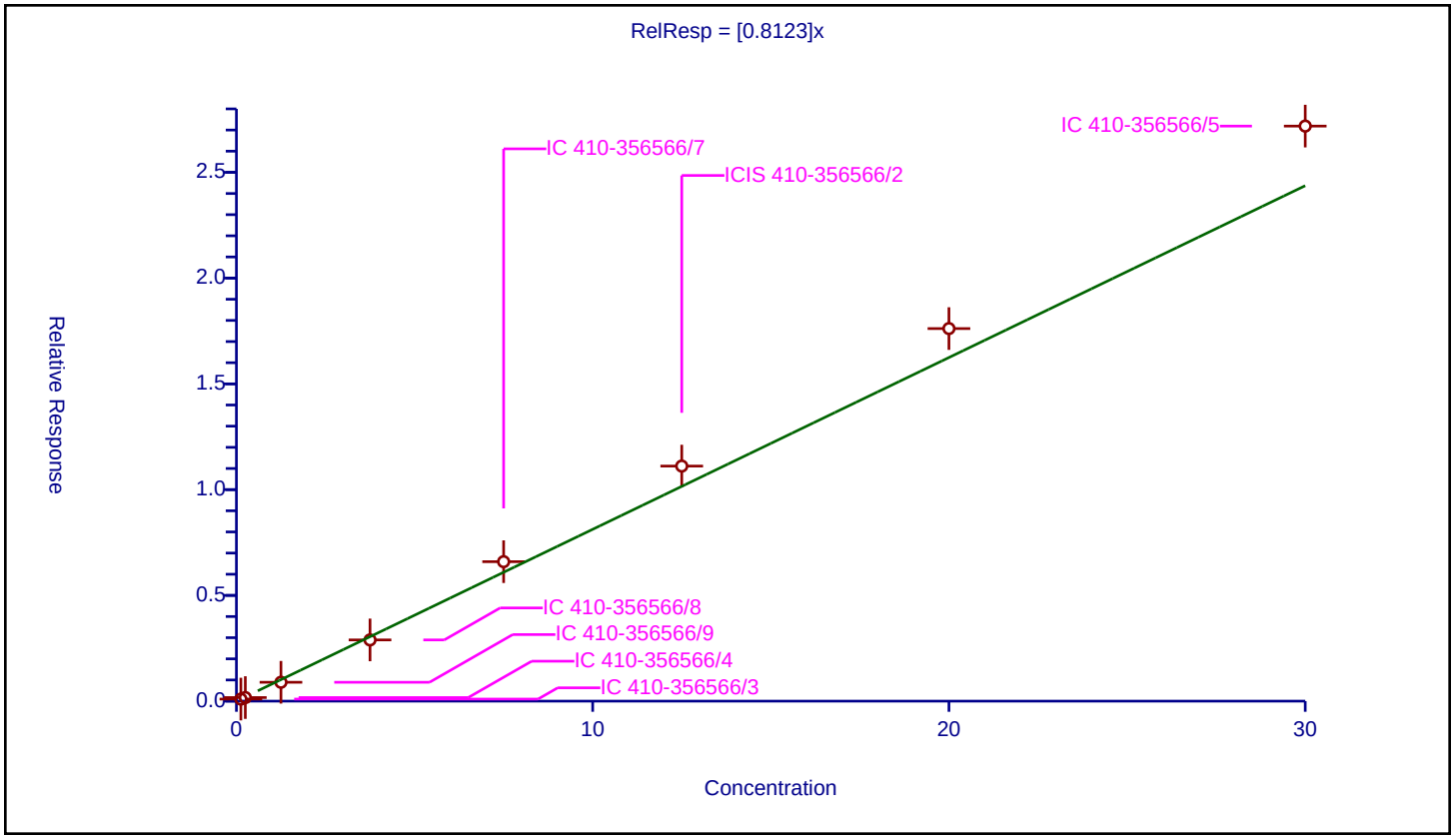
Curve Coefficients

Intercept:	0
Slope:	0.8123

Error Coefficients

Standard Error:	1570000
Relative Standard Error:	10.9
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.097755	5.0	379469.0	0.78204	Y
2	IC 410-356566/4	0.25	0.168788	5.0	498198.0	0.675153	Y
3	IC 410-356566/9	1.25	0.892749	5.0	408603.0	0.714199	Y
4	IC 410-356566/8	3.75	2.893961	5.0	598403.0	0.771723	Y
5	IC 410-356566/7	7.5	6.593467	5.0	582541.0	0.879129	Y
6	ICIS 410-356566/2	12.5	11.113146	5.0	651289.0	0.889052	Y
7	IC 410-356566/6	20.0	17.614452	5.0	456281.0	0.880723	Y
8	IC 410-356566/5	30.0	27.186658	5.0	631587.0	0.906222	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

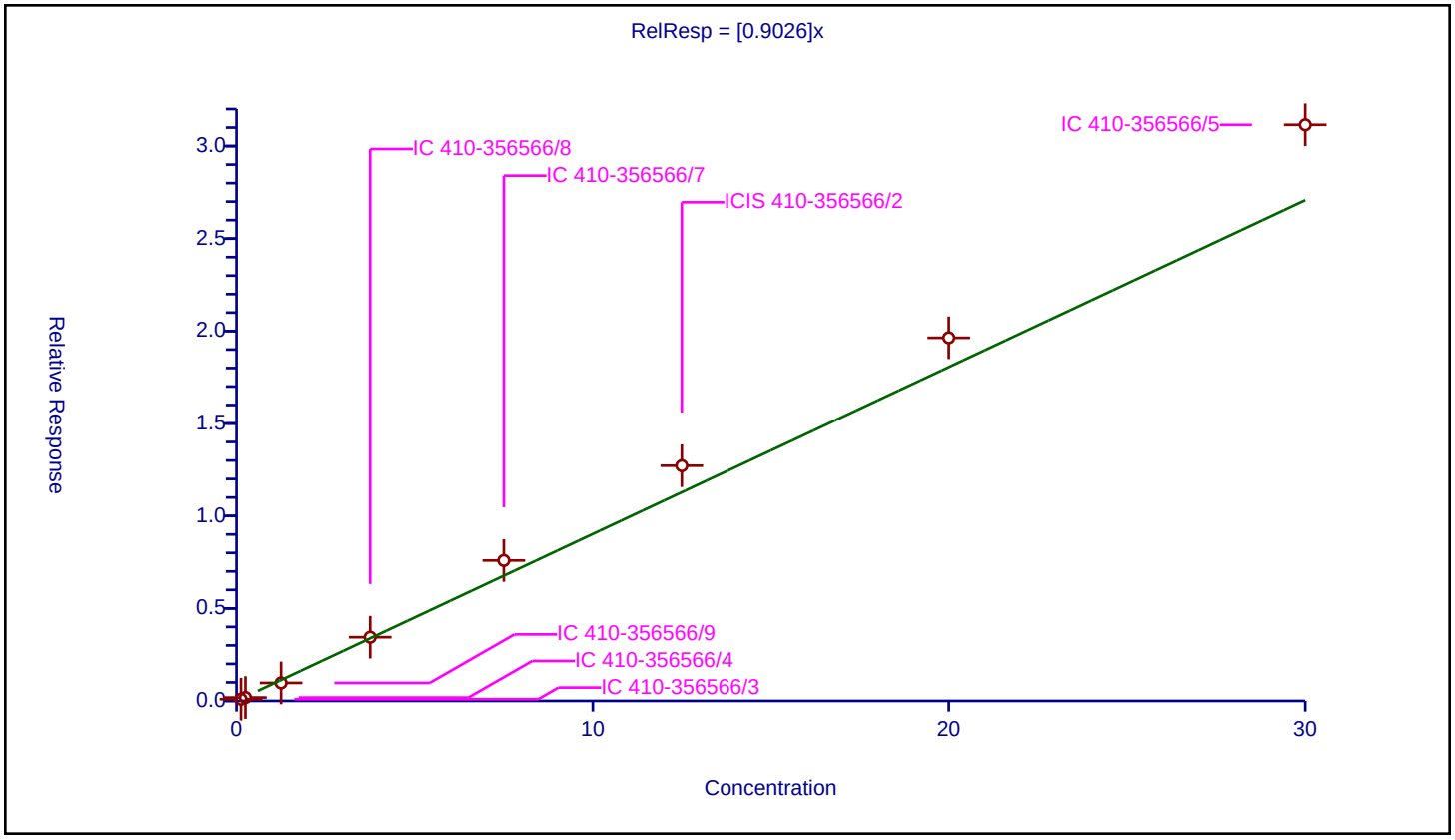
Curve Coefficients

Intercept:	0
Slope:	0.9026

Error Coefficients

Standard Error:	1790000
Relative Standard Error:	14.5
Correlation Coefficient:	0.961
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.093407	5.0	379469.0	0.747255	Y
2	IC 410-356566/4	0.25	0.181695	5.0	498198.0	0.726779	Y
3	IC 410-356566/9	1.25	0.972754	5.0	408603.0	0.778203	Y
4	IC 410-356566/8	3.75	3.444535	5.0	598403.0	0.918543	Y
5	IC 410-356566/7	7.5	7.59332	5.0	582541.0	1.012443	Y
6	ICIS 410-356566/2	12.5	12.717995	5.0	651289.0	1.01744	Y
7	IC 410-356566/6	20.0	19.637066	5.0	456281.0	0.981853	Y
8	IC 410-356566/5	30.0	31.149272	5.0	631587.0	1.038309	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

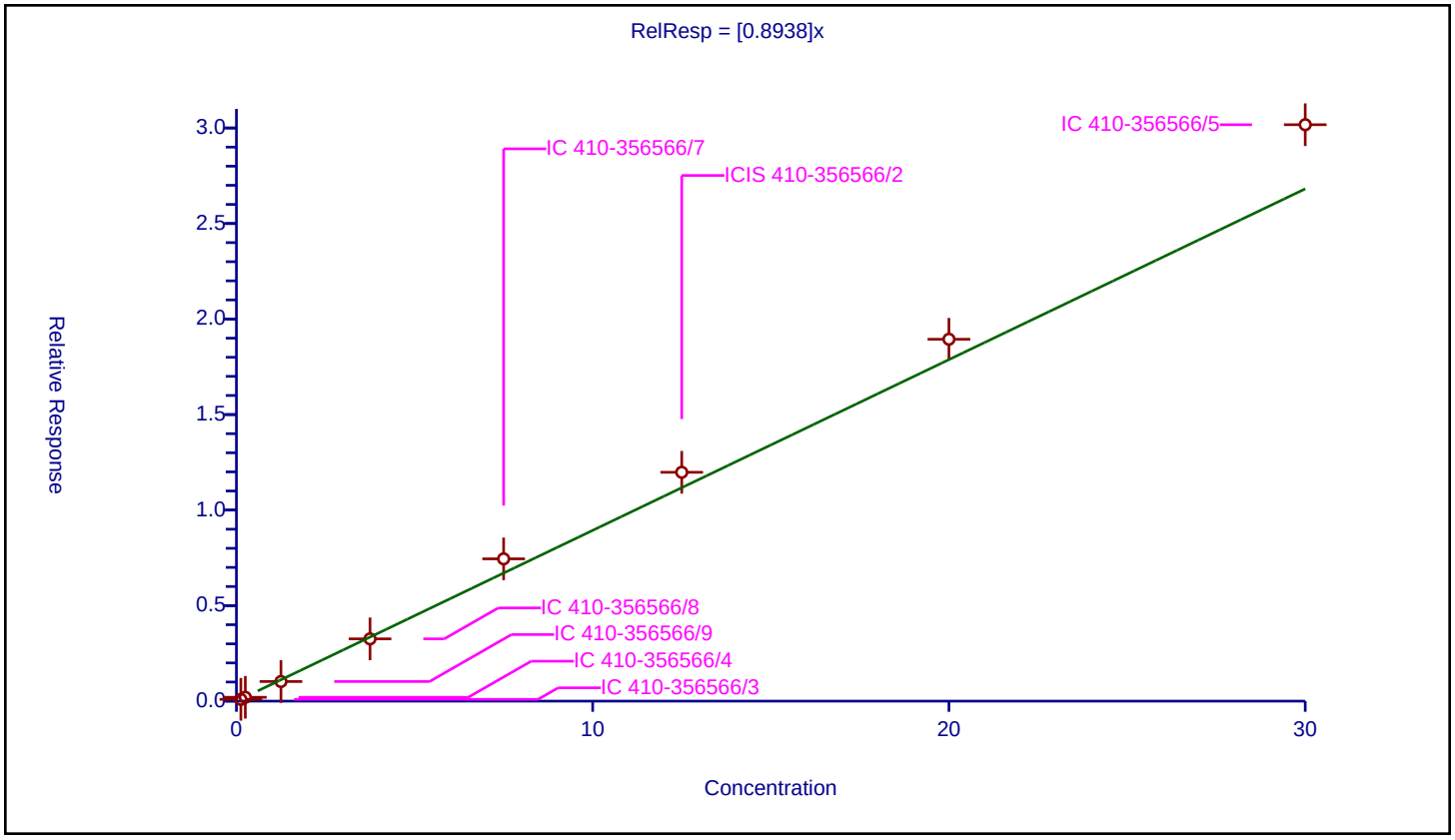
Curve Coefficients

Intercept:	0
Slope:	0.8938

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	10.7
Correlation Coefficient:	0.961
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.093855	5.0	379469.0	0.750839	Y
2	IC 410-356566/4	0.25	0.201245	5.0	498198.0	0.804981	Y
3	IC 410-356566/9	1.25	1.026547	5.0	408603.0	0.821237	Y
4	IC 410-356566/8	3.75	3.259593	5.0	598403.0	0.869225	Y
5	IC 410-356566/7	7.5	7.447424	5.0	582541.0	0.99299	Y
6	ICIS 410-356566/2	12.5	11.979068	5.0	651289.0	0.958325	Y
7	IC 410-356566/6	20.0	18.94268	5.0	456281.0	0.947134	Y
8	IC 410-356566/5	30.0	30.17247	5.0	631587.0	1.005749	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

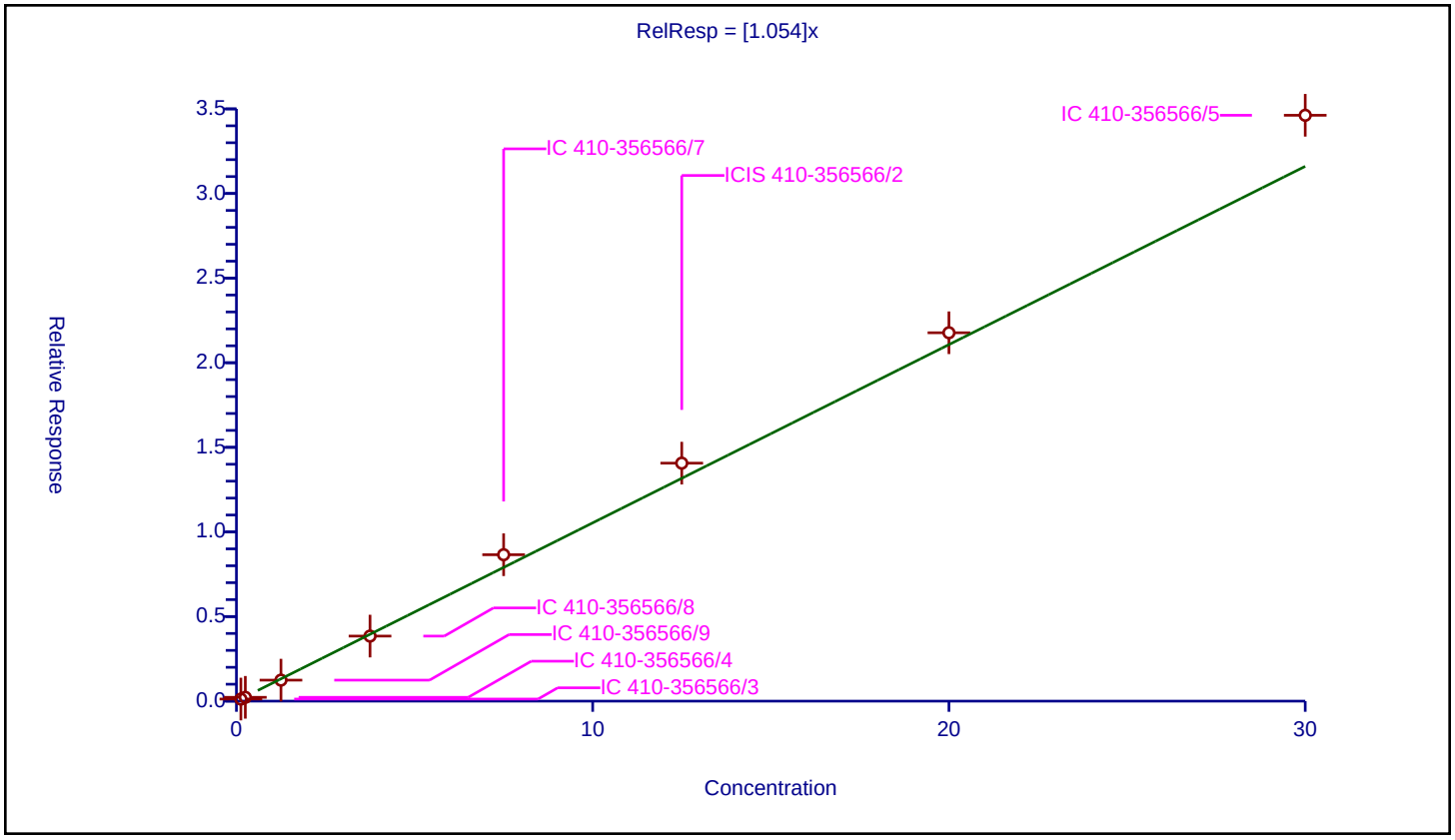
Curve Coefficients

Intercept:	0
Slope:	1.054

Error Coefficients

Standard Error:	1990000
Relative Standard Error:	8.7
Correlation Coefficient:	0.960
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.123383	5.0	379469.0	0.987064	Y
2	IC 410-356566/4	0.25	0.225322	5.0	498198.0	0.901288	Y
3	IC 410-356566/9	1.25	1.240911	5.0	408603.0	0.992729	Y
4	IC 410-356566/8	3.75	3.845093	5.0	598403.0	1.025358	Y
5	IC 410-356566/7	7.5	8.65358	5.0	582541.0	1.153811	Y
6	ICIS 410-356566/2	12.5	14.064547	5.0	651289.0	1.125164	Y
7	IC 410-356566/6	20.0	21.771244	5.0	456281.0	1.088562	Y
8	IC 410-356566/5	30.0	34.621786	5.0	631587.0	1.15406	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

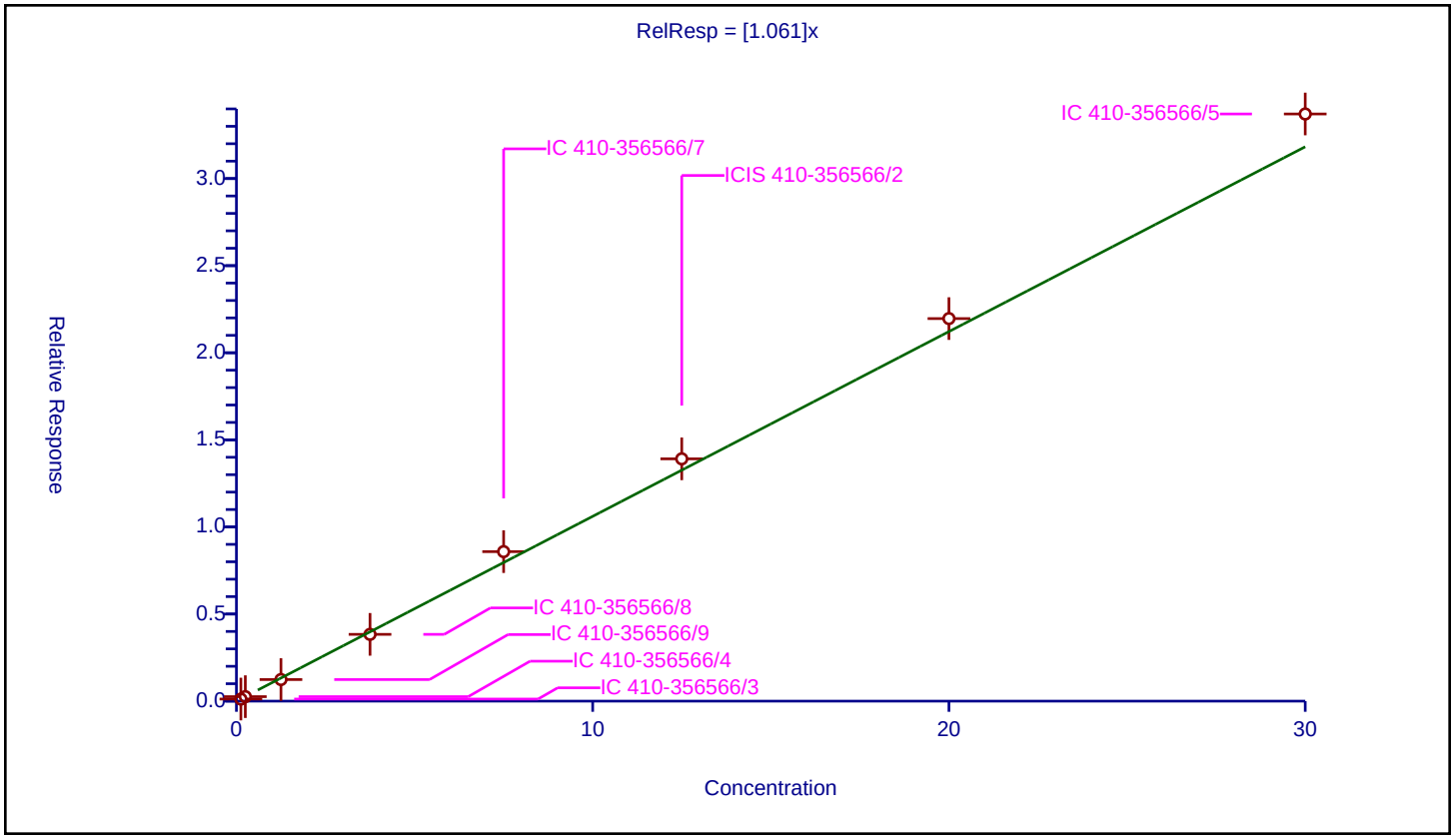
Curve Coefficients

Intercept:	0
Slope:	1.061

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	6.4
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-356566/3	0.125	0.120049	5.0	379469.0	0.960395	Y
2	IC 410-356566/4	0.25	0.258361	5.0	498198.0	1.033445	Y
3	IC 410-356566/9	1.25	1.239504	5.0	408603.0	0.991603	Y
4	IC 410-356566/8	3.75	3.834005	5.0	598403.0	1.022401	Y
5	IC 410-356566/7	7.5	8.582555	5.0	582541.0	1.144341	Y
6	ICIS 410-356566/2	12.5	13.910392	5.0	651289.0	1.112831	Y
7	IC 410-356566/6	20.0	21.962278	5.0	456281.0	1.098114	Y
8	IC 410-356566/5	30.0	33.707605	5.0	631587.0	1.123587	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.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-330490/4	LL2753.D
Level 2	IC 410-330490/5	LL2754.D
Level 3	IC 410-330490/9	LL2758.D
Level 4	IC 410-330490/8	LL2757.D
Level 5	ICIS 410-330490/2	LL2751b.D
Level 6	IC 410-330490/7	LL2756.D
Level 7	IC 410-330490/6	LL2755.D
Level 8	IC 410-330490/3	LL2752.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	+++++ 0.8342	0.8726 0.8025	0.9372 0.8034	0.7332	0.9100	Ave		0.8419				8.3		20.0			
N-Nitrosodimethylamine	1.6692 1.4683	1.3316 1.4333	1.3943 1.4734	1.2966	1.5144	Ave		1.4477				8.0		20.0			
Pyridine	2.8429 2.2946	2.2416 2.2391	2.2855 2.2615	1.9670	2.2860	Ave		2.3023				10.6		20.0			
N,N-dimethylformamide	+++++ 1.7132	1.5698 1.6083	1.5115 1.6529	1.3870	1.6692	Ave		1.5874				7.0		20.0			
2-Picoline	2.5712 2.2829	2.3769 2.3758	2.3649 2.2876	1.9862	2.3740	Ave		2.3274				7.0		20.0			
N-Nitrosomethylethylamine	+++++ 1.0228	+++++ 1.0456	1.3679 1.0248	1.0473	1.1438	Ave		1.1087				12.1		20.0			
Methyl methanesulfonate	1.5417 1.3335	1.3300 1.3696	1.3212 1.3230	1.1793	1.4713	Ave		1.3587				8.0		20.0			
N-Nitrosodiethylamine	1.2626 0.9640	0.8785 0.9831	0.9280 0.9589	0.8416	0.9970	Ave		0.9767				13.0		20.0			
Ethyl methanesulfonate	1.2304 1.0093	1.0556 1.0101	0.9923 0.9906	0.8724	1.0713	Ave		1.0290				9.8		20.0			
Benzaldehyde	1.8872	+++++ 1.3346	2.0274 1.0289	1.9151	1.8770	Qua2	-0.201	2.2139	-0.039196		0.0100				0.9940		0.9900
Phenol	2.4759 2.7263	2.1395 2.6727	2.3635 2.7457	2.3174	2.7852	Ave		2.5283			0.8000	9.4		20.0			
Aniline	3.2521 3.3646	2.7829 3.2745	3.0425 3.3549	2.8885	3.4130	Ave		3.1716				7.5		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.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	2.1321 2.1915	2.0012 2.0943	2.1495 2.1304	1.8946	2.2778	Ave		2.1089			0.7000	5.5		20.0			
2-Chlorophenol	1.3730 1.5047	1.2621 1.4769	1.3362 1.5131	1.3037	1.5594	Ave		1.4161			0.8000	7.8		20.0			
1,3-Dichlorobenzene	1.6163 1.5914	1.3312 1.5484	1.5596 1.5290	1.3663	1.5560	Ave		1.5123				6.9		20.0			
1,4-Dichlorobenzene	1.7803 1.6018	1.4503 1.5735	1.5487 1.5623	1.3829	1.6286	Ave		1.5661				7.6		20.0			
Benzyl alcohol	1.3921 1.3089	1.1543 1.2670	1.2170 1.3161	1.1221	1.3211	Ave		1.2623				7.3		20.0			
1,2-Dichlorobenzene	1.4530 1.5354	1.4629 1.5152	1.4564 1.5217	1.3298	1.5612	Ave		1.4794				4.9		20.0			
2-Methylphenol	1.5980 1.7777	1.5164 1.7282	1.5828 1.7722	1.4955	1.8135	Ave		1.6605			0.7000	7.6		20.0			
2,2'-oxybis[1-chloropropane]	3.0311 2.8987	2.7591 2.8560	2.8300 2.9185	2.6504	3.1378	Ave		2.8852			0.0100	5.3		20.0			
N-Nitrosopyrrolidine	1.1054 1.1389	1.0660 1.1675	1.0994 1.1674	1.0259	1.2309	Ave		1.1252				5.8		20.0			
4-Methylphenol (and/or 3-Methylphenol)	1.7046 1.9756	1.4752 1.8864	1.6477 1.9450	1.6567	1.9956	Ave		1.7858			0.6000	10.7		20.0			
Acetophenone	2.7842 2.9297	2.5641 2.8610	2.8272 2.8736	2.5947	3.0795	Ave		2.8142			0.0100	6.0		20.0			
N-Nitrosodi-n-propylamine	1.7917 1.9157	1.5469 1.8730	1.6883 1.9220	1.6368	2.0658	Ave		1.8050			0.5000	9.5		20.0			
N-Nitrosomorpholine	1.6402 1.5036	1.4545 1.5289	1.4888 1.4975	1.3684	1.7181	Ave		1.5250				7.1		20.0			
o-Toluidine	3.0014 3.1879	2.7097 3.2883	3.0786 3.1748	2.7957	3.3835	Ave		3.0775				7.6		20.0			
Hexachloroethane	0.6672 0.7447	0.6367 0.7493	0.7244 0.7359	0.6596	0.7816	Ave		0.7124			0.3000	7.2		20.0			
Nitrobenzene	0.6394 0.6178	0.5173 0.5847	0.5623 0.6090	0.5474	0.6172	Ave		0.5869			0.2000	7.1		20.0			
N-Nitrosopiperidine	0.2096 0.2282	0.1817 0.2271	0.2207 0.2257	0.1988	0.2271	Ave		0.2149				7.9		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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	1.1301 1.1860	0.9170 1.1128	1.0535 1.1498	1.0229	1.1820	Ave		1.0943			0.4000	8.4		20.0			
2-Nitrophenol	0.1629 0.1812	0.1740 0.1702	0.1539 0.1812	0.1459	0.1678	Ave		0.1671			0.1000	7.5		20.0			
2,4-Dimethylphenol	0.4306 0.5041	0.3726 0.4758	0.4386 0.4977	0.4220	0.4765	Ave		0.4522			0.2000	9.8		20.0			
o,o',o''-Triethylphosphorothioate	0.2206 0.1800	0.1938 0.1752	0.1735 0.1763	0.1623	0.1730	Ave		0.1818				9.9		20.0			
Bis(2-chloroethoxy)methane	0.6397 0.6722	0.5479 0.6312	0.6397 0.6639	0.5943	0.6652	Ave		0.6318			0.3000	6.6		20.0			
2,4-Dichlorophenol	0.2930 0.3009	0.2259 0.2842	0.2586 0.3019	0.2540	0.2871	Ave		0.2757			0.2000	9.8		20.0			
1,2,4-Trichlorobenzene	0.3077 0.3208	0.3005 0.3080	0.3102 0.3133	0.2804	0.3096	Ave		0.3063				3.9		20.0			
Naphthalene	1.0946 1.1509	0.9487 1.0927	1.1062 1.0792	1.0088	1.1042	Ave		1.0732			0.7000	6.0		20.0			
a-Terpineol	+++++ 0.5084	0.4842 0.4877	0.4517 0.5010	0.4376	0.4980	Ave		0.4812				5.5		20.0			
4-Chloroaniline	0.4730 0.5138	0.3814 0.4795	0.4408 0.4938	0.4413	0.4923	Ave		0.4645			0.0100	9.0		20.0			
2,6-Dichlorophenol	0.2868 0.2966	0.2597 0.2852	0.2512 0.2955	0.2578	0.2944	Ave		0.2784				6.8		20.0			
Hexachloropropene	0.1767 0.2202	0.2269 0.2168	0.2168 0.2146	0.1827	0.2185	Ave		0.2092				8.9		20.0			
Hexachlorobutadiene	0.2014 0.1784	0.1576 0.1697	0.1745 0.1746	0.1623	0.1767	Ave		0.1744			0.0100	7.5		20.0			
Quinoline	0.7461 0.7614	0.7546 0.7605	0.7276 0.7470	0.6723	0.7651	Ave		0.7418				4.1		20.0			
Caprolactam	0.1341	0.1102 0.1293	0.1240 0.1364	0.1366	0.1339	Ave		0.1292			0.0100	7.4		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.5377	0.5024 0.5258	0.4357 0.5265	0.3502	0.4451	Ave		0.4748				14.4		20.0			
1,4-phenylenediamine	+++++ 0.5023	+++++ 0.4739	0.4032 0.4582	0.4195	0.4877	Ave		0.4575				8.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	0.4115 0.4547	0.3295 0.4229	0.3653 0.4429	0.3758	0.4305	Ave		0.4041			0.2000	10.7		20.0			
Safrole, Total	0.2556 0.2831	0.2547 0.2807	0.2539 0.2787	0.2453	0.2833	Ave		0.2669				6.0		20.0			
2-Methylnaphthalene	0.6061 0.6850	0.6279 0.6503	0.6391 0.6690	0.5874	0.6659	Ave		0.6413			0.4000	5.2		20.0			
1-Methylnaphthalene	0.6913 0.6914	0.6465 0.6612	0.6481 0.6836	0.6032	0.6806	Ave		0.6632				4.6		20.0			
Hexachlorocyclopentadiene	0.4276 0.4213	0.3334 0.4054	0.3695 0.4212	0.3482	0.3997	Ave		0.3908			0.0500	9.2		20.0			
1,2,4,5-Tetrachlorobenzene	0.5107 0.5808	0.5052 0.5535	0.5436 0.5767	0.5062	0.5739	Ave		0.5438			0.0100	6.0		20.0			
Isosafrole Peak 1	+++++ 0.5558	0.5107 0.5492	0.4865 0.5414	0.4731	0.5665	Ave		0.5262				6.9		20.0			
2,4,6-Trichlorophenol	0.3446 0.3821	0.2652 0.3627	0.3199 0.3893	0.3111	0.3703	Ave		0.3432			0.2000	12.3		20.0			
2,4,5-Trichlorophenol	0.3728 0.4296	0.3122 0.4081	0.3477 0.4241	0.3643	0.4221	Ave		0.3851			0.2000	11.1		20.0			
Isosafrole Peak 2	0.6807 0.6030	0.5685 0.6244	0.5506 0.6144	0.5344	0.6231	Ave		0.5999				7.9		20.0			
1,1'-Biphenyl	1.6323 1.6017	1.3982 1.5206	1.4191 1.5992	1.3831	1.5842	Ave		1.5173			0.0100	6.7		20.0			
2-Chloronaphthalene	1.2193 1.2132	1.1100 1.1275	1.1711 1.2676	1.0793	1.1876	Ave		1.1720			0.8000	5.4		20.0			
1-Chloronaphthalene	1.2562 1.1664	1.0614 1.1794	1.1045 1.1001	0.9816	1.2089	Ave		1.1323				7.8		20.0			
Diphenyl ether	0.7761 0.8420	0.6851 0.7942	0.7624 0.8247	0.7208	0.8406	Ave		0.7807				7.3		20.0			
2-Nitroaniline	+++++ 0.4291	0.2875 0.4109	0.3332 0.4300	0.3416	0.4084	Ave		0.3772			0.0100	14.9		20.0			
1,4-Naphthoquinone	0.4658 0.5087	0.4072 0.5048	0.4393 0.5026	0.4277	0.4967	Ave		0.4691				8.5		20.0			
1,4-Dinitrobenzene	+++++ 0.1952	+++++ 0.1842	0.1356 0.1978	0.1490	0.1752	Ave		0.1729				14.7		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.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	1.3930 1.4682	1.2946 1.3900	1.3530 1.4560	1.2739	1.4761	Ave		1.3881			0.0100	5.6		20.0			
1,3-Dinitrobenzene	0.1865 0.2307	0.1734 0.2140	0.1647 0.2283	0.1751	0.2105	Ave		0.1979				13.2		20.0			
2,6-Dinitrotoluene	0.2440 0.3290	0.2431 0.3114	0.2653 0.3263	0.2690	0.3269	Ave		0.2894			0.2000	13.1		20.0			
Acenaphthylene	1.7533 1.9455	1.6576 1.8562	1.7361 1.9046	1.6336	1.8895	Ave		1.7970			0.9000	6.6		20.0			
3-Nitroaniline	+++++ 0.3778	+++++ 0.3572	0.2698 0.3797	0.3133	0.3504	Ave		0.3414			0.0100	12.5		20.0			
Acenaphthene	1.3105 1.2985	1.0831 1.2266	1.1877 1.2935	1.1030	1.3039	Ave		1.2259			0.9000	7.6		20.0			
2,4-Dinitrophenol	+++++ 0.1685	+++++ 0.1597	0.1228 0.1799	0.1298	0.1519	Ave		0.1521			0.0100	14.6		20.0			
4-Nitrophenol	0.1972 0.2589	0.1949 0.2466	0.1938 0.2644	0.2057	0.2588	Ave		0.2275			0.0100	14.2		20.0			
Pentachlorobenzene	0.6294 0.5252	0.5022 0.5231	0.5009 0.5192	0.4597	0.5349	Ave		0.5243				9.2		20.0			
2,4-Dinitrotoluene	+++++ 0.4492	+++++ 0.4151	0.3406 0.4466	0.3609	0.4365	Ave		0.4082			0.2000	11.4		20.0			
Dibenzofuran	1.8442 1.8175	1.6086 1.6939	1.6762 1.7740	1.5519	1.8296	Ave		1.7245			0.8000	6.3		20.0			
1-Naphthylamine	1.2437 1.3231	1.1618 1.3026	1.1954 1.3205	1.1200	1.3074	Ave		1.2468				6.4		20.0			
2,3,4,6-Tetrachlorophenol	0.3204 0.3559	0.2560 0.3320	0.2901 0.3583	0.2941	0.3438	Ave		0.3188			0.0100	11.3		20.0			
2-Naphthylamine	1.2521 1.4461	1.3003 1.4180	1.2771 1.4429	1.1976	1.4680	Ave		1.3503				7.8		20.0			
Diethyl phthalate	1.4461 1.5203	1.2529 1.4324	1.3014 1.5068	1.2724	1.5105	Ave		1.4054			0.0100	8.0		20.0			
Thionazin	+++++ 0.3158	0.2908 0.3152	0.3075 0.3185	0.2590	0.3280	Ave		0.3050				7.6		20.0			
Fluorene	1.4147 1.4723	1.2827 1.3849	1.3670 1.4495	1.2715	1.4575	Ave		1.3875			0.9000	5.6		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.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	0.5992 0.6764	0.6457 0.6343	0.6558 0.6772	0.5884	0.6972	Ave		0.6468			0.4000	5.9		20.0			
5-Nitro-o-toluidine	0.4301 0.4320	0.3395 0.4206	0.3379 0.4226	0.3519	0.4287	Ave		0.3954				11.0		20.0			
4-Nitroaniline	+++++ 0.4035	0.2575 0.3853	0.3256 0.4067	0.3343	0.4109	Ave		0.3605			0.0100	15.9		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1164	+++++ 0.1094	0.0871 0.1192	0.0886	0.1004	Ave		0.1035			0.0100	13.3		20.0			
N-Nitrosodiphenylamine	0.5629 0.6509	0.4988 0.6044	0.5814 0.6340	0.5548	0.6551	Ave		0.5928			0.0100	9.1		20.0			
1,2-Diphenylhydrazine	1.1624 1.2517	1.0572 1.1836	1.1193 1.1155	1.0684	1.3074	Ave		1.1582				7.5		20.0			
Sulfotepp	0.1811 0.1885	0.1704 0.1855	0.1765 0.1832	0.1571	0.1957	Ave		0.1797				6.6		20.0			
1,3,5-Trinitrobenzene	+++++ 0.0743	0.0613 0.0731	0.0545 0.0767	0.0569	0.0643	Ave		0.0659				13.4		20.0			
cis-Diallate	0.5716 0.5087	0.5971 0.5048	0.4762 0.5039	0.4124	0.5308	Ave		0.5132				11.0		20.0			
Phorate	0.7805 0.7975	0.6500 0.7882	0.6982 0.7872	0.6624	0.8285	Ave		0.7491				9.1		20.0			
Phenacetin	0.4773 0.5091	0.3676 0.5026	0.4220 0.5129	0.4014	0.5185	Ave		0.4639				12.6		20.0			
4-Bromophenyl-phenylether	0.1634 0.2076	0.2021 0.1990	0.1997 0.2060	0.1865	0.2146	Ave		0.1974			0.1000	8.1		20.0			
trans-Diallate	+++++ 0.5110	+++++ 0.4991	0.5298 0.4985	0.4211	0.5325	Ave		0.4987				8.2		20.0			
Hexachlorobenzene	0.2936 0.2449	0.2228 0.2262	0.2276 0.2388	0.2160	0.2453	Ave		0.2394			0.1000	10.2		20.0			
Dimethoate	0.4334 0.4914	0.3687 0.4822	0.4072 0.4712	0.3872	0.4912	Ave		0.4416				11.2		20.0			
Atrazine	0.1962	0.1816 0.1936	0.1996 0.1945	0.1983	0.2141	Ave		0.1969			0.0100	4.9		20.0			
Pentachlorophenol	+++++ 0.1429	0.0923 0.1372	0.1033 0.1500	0.1075	0.1364	Ave		0.1242			0.0500	18.2		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.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	0.8783 0.9207	0.7306 0.9122	0.8014 0.9035	0.7768	0.9207	Ave		0.8555				8.8		20.0			
Pentachloronitrobenzene	+++++ 0.1046	0.0934 0.1041	0.0933 0.1016	0.0920	0.1062	Ave		0.0993				6.2		20.0			
Pronamide	0.3520 0.3627	0.2801 0.3577	0.3068 0.3559	0.2947	0.3621	Ave		0.3340				10.2		20.0			
Dinoseb	0.1300 0.1702	0.0919 0.1720	0.1295 0.1810	0.1163	0.1546	Qua1	-0.008	0.1429	0.0013640						0.9970		0.9900
Disulfoton	+++++ 0.8009	1.0209 0.7766	0.7781 0.7797	0.6739	0.8266	Ave		0.8081				13.0		20.0			
Phenanthrene	1.1542 1.1571	1.0031 1.0548	1.0543 1.0721	1.0058	1.1541	Ave		1.0819			0.7000	6.0		20.0			
Anthracene	1.0770 1.1554	0.9899 1.0853	1.0441 1.1295	0.9984	1.1534	Ave		1.0791			0.7000	6.0		20.0			
Carbazole	0.9549 1.0923	0.8872 1.0169	0.9499 0.9954	0.9132	1.0799	Ave		0.9862			0.0100	7.5		20.0			
Methyl parathion	0.2879 0.3333	0.2259 0.3399	0.2551 0.3363	0.2602	0.3219	Ave		0.2951				14.9		20.0			
Di-n-butyl phthalate	1.1180 1.3825	0.9873 1.3040	1.0694 1.1518	1.0881	1.3166	Ave		1.1772			0.0100	11.9		20.0			
Parathion	0.1933 0.2038	0.1575 0.2076	0.1380 0.2031	0.1542	0.1935	Ave		0.1814				15.0		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.1051	+++++ 0.1092	+++++ 0.1153	0.0714	0.0902	Ave		0.0982				18.0		20.0			
Octachlorostyrene	0.1018 0.0967	0.0791 0.0912	0.0992 0.0962	0.0871	0.0979	Ave		0.0937				8.0		20.0			
Isodrin	+++++ 0.1343	0.1759 0.1304	0.1363 0.1288	0.1099	0.1367	Ave		0.1360				14.6		20.0			
Fluoranthene	1.2123 1.2049	1.0132 1.1285	1.0328 1.0971	0.9920	1.1729	Ave		1.1067			0.6000	7.9		20.0			
Benzidine	+++++ 0.8436	+++++ 0.6630	0.6570 +++++	0.6665	0.8643	Ave		0.7389				14.3		20.0			
Pyrene	1.2984 1.2970	1.2773 1.2404	1.2160 1.2083	1.1253	1.2657	Ave		1.2410			0.6000	4.7		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.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	0.2080 0.2249	0.1515 0.2247	0.1706 0.2272	0.1751	0.2132	Ave		0.1994				14.7		20.0			
Chlorobenzilate	0.4015 0.4136	0.3222 0.4259	0.3453 0.4242	0.3206	0.4110	Ave		0.3830				11.9		20.0			
3,3'-Dimethylbenzidine	+++++ 0.6995	+++++ 0.6761	0.5128 0.6711	0.5295	0.7151	Ave		0.6340				14.0		20.0			
Butylbenzylphthalate	+++++ 0.6053	+++++ 0.5842	0.4455 0.6044	0.4712	0.5836	Ave		0.5490			0.0100	13.0		20.0			
2-Acetylaminofluorene	+++++ 0.4366	+++++ 0.4667	+++++ 0.4699	0.2990	0.3918	Ave		0.4128				17.2		20.0			
3,3'-Dichlorobenzidine	+++++ 0.4635	0.3236 0.4468	0.3457 0.4611	0.3543	0.4391	Ave		0.4049			0.0100	15.0		20.0			
4,4'-Methylene bis(2-chloroaniline)	0.1802 0.2336	0.1789 0.2382	0.1815 0.2329	0.1768	0.2390	Ave		0.2076				14.6		20.0			
Benzo[a]anthracene	0.9473 1.1594	0.8877 1.1167	0.9164 1.1365	0.9342	1.0954	Ave		1.0242			0.8000	11.0		20.0			
Chrysene	1.0420 1.1186	0.9020 1.0747	0.9448 1.0963	0.9383	1.0974	Ave		1.0268			0.7000	8.3		20.0			
Bis(2-ethylhexyl) phthalate	+++++ 0.8388	+++++ 0.8398	0.5686 0.8750	0.6174	0.7902	Ave		0.7550			0.0100	17.1		20.0			
6-Methylchrysene	0.7768 0.7860	0.7163 0.8036	0.6382 0.7889	0.6016	0.7472	Ave		0.7323				10.3		20.0			
Di-n-octyl phthalate	+++++ 1.5333	+++++ 1.5689	1.0154 1.6972	1.1135	1.3956	Ave		1.3873			0.0100	19.4		20.0			
Benzo[b]fluoranthene	1.1264 1.3618	1.0003 1.3342	1.1545 1.3653	1.0953	1.2613	Ave		1.2124			0.7000	11.3		20.0			
7,12-Dimethylbenz(a)anthracene	0.6263 0.6035	0.4762 0.6239	0.4941 0.6282	0.4962	0.5984	Ave		0.5683				11.8		20.0			
Benzo[k]fluoranthene	1.1567 1.3756	1.1509 1.3060	1.2206 1.3751	1.1991	1.4279	Ave		1.2765			0.7000	8.5		20.0			
Benzo[a]pyrene	1.1149 1.1302	0.7596 1.1008	0.9449 1.1462	0.9066	1.0764	Ave		1.0224			0.7000	13.5		20.0			
3-Methylcholanthrene	0.5462 0.6485	0.5413 0.6753	0.5245 0.6784	0.5018	0.6193	Ave		0.5919				12.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	0.7880 0.9041	0.6427 0.9433	0.7211 0.9645	0.7097	0.8402	Ave		0.8142				14.5		20.0			
Dibenz[a,j]acridine	+++++ 1.1027	0.8430 1.0960	0.8290 1.1323	0.8403	1.0915	Ave		0.9907				14.5		20.0			
Indeno[1,2,3-cd]pyrene	0.8368 1.0332	0.7285 0.9846	0.8294 1.0625	0.7642	1.0045	Ave		0.9055			0.5000	14.4		20.0			
Dibenz(a,h)anthracene	0.8411 1.1748	0.8949 1.1487	0.9126 1.2105	0.9731	1.1491	Ave		1.0381			0.4000	14.2		20.0			
Benzo[g,h,i]perylene	1.0177 1.2069	1.0163 1.1715	1.0004 1.2121	0.9688	1.1724	Ave		1.0958			0.5000	9.5		20.0			
2-Fluorophenol (Surr)	1.5733 1.6951	1.4599 1.6727	1.5430 1.6769	1.4225	1.6843	Ave		1.5910				6.8		20.0			
Phenol-d5 (Surr)	2.4407 2.6335	2.0070 2.6050	2.2972 2.6629	2.2453	2.6361	Ave		2.4409				9.8		20.0			
Nitrobenzene-d5 (Surr)	0.6404 0.6200	0.5248 0.5898	0.5679 0.6097	0.5366	0.6124	Ave		0.5877				7.0		20.0			
2-Fluorobiphenyl (Surr)	1.5111 1.4536	1.3273 1.3688	1.3207 1.2056	1.2381	1.4225	Ave		1.3560				7.7		20.0			
2,4,6-Tribromophenol (Surr)	0.2110 0.2399	0.1776 0.2241	0.1997 0.2379	0.1907	0.2295	Ave		0.2138				10.7		20.0			
p-Terphenyl-d14 (Surr)	0.8102 0.9354	0.8440 0.8765	0.8434 0.7142	0.7943	0.9165	Ave		0.8418				8.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-330490/4	LL2753.D
Level 2	IC 410-330490/5	LL2754.D
Level 3	IC 410-330490/9	LL2758.D
Level 4	IC 410-330490/8	LL2757.D
Level 5	ICIS 410-330490/2	LL2751b.D
Level 6	IC 410-330490/7	LL2756.D
Level 7	IC 410-330490/6	LL2755.D
Level 8	IC 410-330490/3	LL2752.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	+++++	8770	55795	152549	252619	+++++	0.250	1.25	3.75	7.50
			515100	771139	1136792			12.5	20.0	30.0		
N-Nitrosodimethylamine	DCBd 4	Ave	9282	13384	83009	269768	420396	0.125	0.250	1.25	3.75	7.50
			906601	1377259	2084848			12.5	20.0	30.0		
Pyridine	DCBd 4	Ave	31617	45059	272132	818513	1269187	0.250	0.500	2.50	7.50	15.0
			2833570	4302986	6399684			25.0	40.0	60.0		
N,N-dimethylformamide	DCBd 4	Ave	+++++	15778	89984	288575	463385	+++++	0.250	1.25	3.75	7.50
			1057787	1545370	2338809			12.5	20.0	30.0		
2-Picoline	DCBd 4	Ave	14298	23890	140792	413248	659029	0.125	0.250	1.25	3.75	7.50
			1409567	2282808	3236873			12.5	20.0	30.0		
N-Nitrosomethylethylamine	DCBd 4	Ave	+++++	+++++	81433	217906	317530	+++++	+++++	1.25	3.75	7.50
			631499	1004690	1450017			12.5	20.0	30.0		
Methyl methanesulfonate	DCBd 4	Ave	8573	13368	78653	245372	408443	0.125	0.250	1.25	3.75	7.50
			823366	1316007	1871961			12.5	20.0	30.0		
N-Nitrosodiethylamine	DCBd 4	Ave	7021	8830	55248	175106	276770	0.125	0.250	1.25	3.75	7.50
			595203	944663	1356800			12.5	20.0	30.0		
Ethyl methanesulfonate	DCBd 4	Ave	6842	10610	59076	181521	297387	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 Env Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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
			623177	970603	1401654			12.5	20.0	30.0		
Benzaldehyde	DCBd 4	Qua2		+++++	120696	398461	521071		+++++	1.25	3.75	7.50
			1165267	1282413	1455864			12.5	20.0	30.0		
Phenol	DCBd 4	Ave	13768	21504	140707	482162	773191	0.125	0.250	1.25	3.75	7.50
			1683330	2568107	3884977			12.5	20.0	30.0		
Aniline	DCBd 4	Ave	18084	27970	181129	600991	947473	0.125	0.250	1.25	3.75	7.50
			2077443	3146332	4746989			12.5	20.0	30.0		
Bis(2-chloroethyl)ether	DCBd 4	Ave	11856	20114	127965	394193	632317	0.125	0.250	1.25	3.75	7.50
			1353112	2012343	3014476			12.5	20.0	30.0		
2-Chlorophenol	DCBd 4	Ave	7635	12685	79547	271257	432884	0.125	0.250	1.25	3.75	7.50
			929072	1419137	2140904			12.5	20.0	30.0		
1,3-Dichlorobenzene	DCBd 4	Ave	8988	13380	92847	284277	431954	0.125	0.250	1.25	3.75	7.50
			982620	1487812	2163455			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd 4	Ave	9900	14577	92202	287729	452115	0.125	0.250	1.25	3.75	7.50
			989034	1511968	2210632			12.5	20.0	30.0		
Benzyl alcohol	DCBd 4	Ave	7741	11602	72453	233472	366737	0.125	0.250	1.25	3.75	7.50
			808156	1217459	1862153			12.5	20.0	30.0		
1,2-Dichlorobenzene	DCBd 4	Ave	8080	14703	86707	276677	433406	0.125	0.250	1.25	3.75	7.50
			948008	1455874	2153096			12.5	20.0	30.0		
2-Methylphenol	DCBd 4	Ave	8886	15241	94227	311164	503438	0.125	0.250	1.25	3.75	7.50
			1097619	1660552	2507531			12.5	20.0	30.0		
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	16855	27731	168481	551453	871078	0.125	0.250	1.25	3.75	7.50
			1789792	2744287	4129531			12.5	20.0	30.0		
N-Nitrosopyrrolidine	DCBd 4	Ave	6147	10714	65451	213458	341699	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 Env Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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
			703181	1121853	1651829			12.5	20.0	30.0		
4-Methylphenol (and/or 3-Methylphenol)	DCBd 4	Ave	9479 1219808	14827 1812621	98093 2752104	344686	553981	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd 4	Ave	15482 1808899	25771 2749041	168313 4065933	539854	854875	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd 4	Ave	9963 1182823	15548 1799710	100509 2719512	340565	573466	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd 4	Ave	9121 928418	14619 1469045	88632 2118853	284706	476952	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o-Toluidine	DCBd 4	Ave	16690 1968349	27235 3159608	183281 4492243	581685	939264	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd 4	Ave	3710 459793	6399 719951	43127 1041218	137247	216971	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	14449 1588596	21217 2398235	139834 3635101	475287	761900	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	4737 586871	7452 931350	54890 1347282	172640	280362	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	25537 3049788	37609 4564284	262002 6863392	888098	1459122	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	3681 465862	7138 698260	38278 1081462	126650	207152	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	9729 1296335	15280 1951732	109081 2970669	366350	588199	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	4985 462847	7950 718528	43160 1052065	140890	213492	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	14455 1728488	22471 2588903	159102 3962677	515965	821170	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	6621 773849	9265 1165633	64313 1801863	220516	354429	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	6952 825003	12323 1263425	77156 1869915	243430	382181	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	24734 2959361	38911 4481966	275121 6441563	875811	1363087	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	+++++ 1307207	19857 2000447	112349 2990358	379921	614761	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	10689 1321171	15642 1966528	109620 2947685	383142	607696	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	6480 762659	10653 1169784	62476 1764095	223839	363393	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	3992 566291	9304 889373	53918 1281071	158661	269705	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	4551 458750	6464 696091	43394 1042328	140942	218061	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	16860 1957876	30947 3119359	180945 4459008	583725	944461	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	 344929	4518 530465	30843 814307	118618	165249	 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 1382530	20606 2156767	108355 3142677	304034	549450	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 1291499	+++++ 1943835	100287 2735015	364177	601977	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	9299 1169185	13514 1734675	90840 2643547	326239	531355	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	5776 727908	10448 1151436	63150 1663304	213005	349737	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	13695 1761428	25753 2667118	158954 3993104	509957	821937	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	15620 1777778	26514 2711959	161187 4080254	523659	840133	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	5477 627415	8193 960137	54443 1425553	176920	282865	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	6541 864925	12414 1310974	80097 1952104	257200	406192	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	+++++ 132437	2008 208140	11468 293206	38460	64144	+++++ 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 Env Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	4413 569071	6518 859160	47133 1317570	158051	262073	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	4775 639738	7671 966568	51230 1435599	185091	298729	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	7323 754270	11735 1242417	68141 1746804	228064	370427	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	20905 2385130	34360 3601707	209088 5412995	702706	1121130	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	15616 1806670	27278 2670653	172553 4290643	548368	840507	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	16089 1736974	26082 2793510	162730 3723636	498719	855565	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	9940 1253873	16836 1881224	112325 2791437	366208	594879	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	+++++ 639025	7066 973270	49087 1455436	173545	289012	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	5966 757459	10006 1195774	64721 1701223	217274	351527	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 290724	+++++ 436352	19983 669688	75709	123979	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	17841 2186350	31813 3292325	199351 4928486	647236	1044658	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	2389 343594	4260 506813	24272 772729	88960	148955	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	3125 489874	5975 737519	39088 1104635	136687	231336	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	22455 2897102	40733 4396485	255795 6446626	829983	1337227	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 562625	+++++ 846107	39747 1285264	159186	247980	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	16784 1933703	26617 2905423	174991 4378442	560387	922802	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 501934	+++++ 756447	72360 1217711	197827	250806	+++++ 25.0	+++++ 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	15155 771096	28736 1168169	85677 1789834	209042	366308	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 Env Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	8061 782146	12342 1238912	73805 1757444	233540	378524	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	+++++ 668958	+++++ 983127	50187 1511803	183361	308949	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	23619 2706460	39530 4012255	246969 6004687	788442	1294813	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	15929 1970345	28550 3085388	176121 4469628	569038	925239	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	4104 529985	6290 786406	42745 1212732	149401	243342	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	16036 2153517	31954 3358735	188169 4883840	608476	1038951	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	18521 2263903	30789 3392784	191753 5100427	646484	1069020	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	+++++ 470217	7147 746540	45307 1078141	131599	232139	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	18119 2192443	31521 3280219	201408 4906476	645999	1031465	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	7674 1007203	15868 1502400	96624 2292304	298960	493450	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	5508 643239	8343 996133	49785 1430390	178790	303387	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 600893	6327 912565	47969 1376740	169858	290836	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 659987	+++++ 993701	72774 1552724	170844	272162	+++++ 25.0	+++++ 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	11750 1568224	20003 2332824	137606 3508663	454779	754478	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	28548 3548092	49881 5374513	311667 7262782	1030299	1771370	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	4449 534239	8040 842192	49143 1192757	151480	265135	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	+++++ 210487	2893 331733	15184 499136	54899	87134	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	10388 1066998	20849 1696381	98120 2427792	294276	532235	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 Env Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	19170 2260768	30669 3579255	194426 5125098	638744	1122579	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	11722 1443118	17344 2282374	117509 3339637	387085	702493	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	4012 588403	9534 903630	55611 1341076	179850	290787	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 376626	+++++ 589289	38355 843798	105574	187580	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	7210 694287	10510 1027151	63367 1554719	208279	332316	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	10643 1392839	17397 2189800	113390 3068190	373382	665528	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	 556249	8570 879300	55571 1266381	191251	290022	 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 809952	21776 1245668	57530 1953208	207252	369706	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
4-Aminobiphenyl	PHN	Ave	21570 2609837	34471 4142229	223152 5882485	749090	1247483	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	+++++ 296570	4409 472475	25985 661225	88695	143957	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	8644 1028183	13218 1624369	85432 2316953	284217	490605	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Qual	3192 482456	4335 781055	36053 1178746	112170	209526	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	+++++ 2270343	48167 3526264	216656 5076678	649800	1119932	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	28346 3280033	47330 4789611	293581 6980276	969900	1563742	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	26450 3275253	46706 4928084	290732 7354015	962762	1562787	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	23453 3096380	41861 4617394	264512 6480625	880639	1463142	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	7070 944874	10658 1543506	71028 2189299	250908	436121	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	27457 3919008	46585 5921366	297779 7499392	1049216	1783862	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	4747 577852	7429 942892	38433 1322325	148672	262212	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Ave	+++++ 297968	+++++ 495919	+++++ 750886	68822	122162	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	2501 274244	3732 414035	27622 626573	83960	132679	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	+++++ 380727	8299 591965	37965 838621	105991	185208	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	29773 3415563	47806 5124375	287599 7142925	956580	1589184	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 7084090	+++++ 8727979	536810 +++++	1996795	3533608	+++++ 37.5	+++++ 60.0	3.75 +++++	11.3	22.5
Pyrene	PYR10	Ave	30579 3630592	57080 5443062	331194 7485953	1123755	1724816	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR10	Ave	4899 629607	6771 985896	46468 1407561	174908	290530	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	9457 1157838	14397 1869127	94043 2628171	320174	560076	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	+++++ 1958020	+++++ 2966951	139663 4157656	528811	974523	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Butylbenzylphthalate	PYR10	Ave	+++++ 1694231	+++++ 2563834	121333 3744462	470522	795345	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 1222048	+++++ 2047950	+++++ 2911069	298620	533976	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	+++++ 1297552	14461 1960832	94142 2856916	353869	598364	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	4243	7997	49440	176601	325655	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 Env Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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
			653802	1045209	1442675			12.5	20.0	30.0		
Benzo[a]anthracene	PYR10	Ave	22311 3245443	39669 4900357	249600 7040646	932922	1492754	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	24541 3131312	40310 4716242	257315 6791761	937018	1495461	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	+++++ 2347918	+++++ 3685065	154854 5420757	616604	1076904	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	18295 2200200	32011 3526245	173811 4887502	600793	1018284	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	+++++ 3716171	+++++ 5927563	218085 8903685	902169	1597447	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	21471 3300552	36928 5040790	247951 7162712	887404	1443761	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	11938 1462553	17579 2357188	106122 3295576	401998	684956	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	22047 3333857	42487 4934276	262157 7214213	971528	1634457	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	21251 2739227	28043 4158963	202936 6012999	734549	1232083	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	10411 1571741	19984 2551399	112645 3559067	406595	708895	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	15021 2191295	23728 3563982	154875 5060089	575020	961712	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	+++++ 2672621	31120 4140806	178037 5940376	680788	1249409	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	15951 2504071	26895 3719939	178130 5574236	619161	1149739	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	16033 2847392	33038 4339798	195988 6350573	788416	1315312	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	19398 2925019	37519 4426199	214848 6358645	784928	1342002	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

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	17498 2093262	29347 3214506	183722 4745566	591943	935152	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd 4	Ave	27144 3252042	40344 5006049	273515 7535725	934315	1463593	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	28943 3188356	43044 4838150	282476 7279017	931834	1511879	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	38707 4329182	65232 6484435	389173 8161744	1258046	2013422	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	5405 714375	8729 1061689	58861 1610748	193792	324791	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	38162 5236922	75435 7692538	459438 8849142	1586405	2497914	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend
Ave = Average ISTD
Qua1 = Quadratic 1/conc ISTD
Qua2 = Quadratic 1/conc^2 ISTD

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 330490

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/27/2022 18:32 Calibration End Date: 12/27/2022 21:14 Calibration ID: 45548

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-330490/4	LL2753.D
Level 2	IC 410-330490/5	LL2754.D
Level 3	IC 410-330490/9	LL2758.D
Level 4	IC 410-330490/8	LL2757.D
Level 5	ICIS 410-330490/2	LL2751b.D
Level 6	IC 410-330490/7	LL2756.D
Level 7	IC 410-330490/6	LL2755.D
Level 8	IC 410-330490/3	LL2752.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
Benzaldehyde	-11.6	+++++ -13.3	1.1	-5.1	-1.0	15.5	30	30	50	30	30	30
Dinoseb	32.9 1.1	-14.8 -1.1	-6.2	-19.5	1.5	6.1	50 30	30 30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2751b.D
Lims ID: ICIS L5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 27-Dec-2022 18:32:50 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L5
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub27

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:38:45 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 27-Dec-2022 19:10:04

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	1.821	1.821	0.000	98	252619	7.50	8.11	
2 N-Nitrosodimethylamine	74	2.046	2.046	0.000	95	420396	7.50	7.85	
3 Pyridine	79	2.088	2.088	0.000	95	1269187	15.0	14.9	
4 Dimethylformamide	73	2.372	2.372	0.000	94	463385	7.50	7.89	
5 2-Picoline	93	2.693	2.693	0.000	93	659029	7.50	7.65	
6 N-Nitrosomethylethylamine	88	2.778	2.778	0.000	95	317530	7.50	7.74	
9 Methyl methanesulfonate	80	3.051	3.051	0.000	85	408443	7.50	8.12	
$ 10 2-Fluorophenol	112	3.206	3.206	0.000	96	935152	15.0	15.9	
11 N-Nitrosodiethylamine	102	3.436	3.436	0.000	94	276770	7.50	7.66	
13 Ethyl methanesulfonate	109	3.720	3.720	0.000	97	297387	7.50	7.81	
15 Benzaldehyde	77	4.051	4.051	0.000	91	521071	7.50	7.43	
$ 16 Phenol-d5	99	4.089	4.089	0.000	99	1463593	15.0	16.2	
17 Phenol	94	4.105	4.105	0.000	98	773191	7.50	8.26	
18 Aniline	93	4.153	4.153	0.000	96	947473	7.50	8.07	
19 Bis(2-chloroethyl)ether	93	4.212	4.212	0.000	93	632317	7.50	8.10	
20 2-Chlorophenol	128	4.265	4.265	0.000	91	432884	7.50	8.26	
22 1,3-Dichlorobenzene	146	4.415	4.415	0.000	90	431954	7.50	7.72	
* 24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	96	185070	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	86	452115	7.50	7.80	
27 Benzyl alcohol	108	4.592	4.592	0.000	88	366737	7.50	7.85	
29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	89	433406	7.50	7.91	
31 2-Methylphenol	108	4.693	4.693	0.000	97	503438	7.50	8.19	
32 2,2'-oxybis[1-chloropropane]	45	4.731	4.731	0.000	93	871078	7.50	8.16	
34 N-Nitrosopyrrolidine	100	4.827	4.827	0.000	92	341699	7.50	8.20	
36 4-Methylphenol	108	4.843	4.843	0.000	94	553981	7.50	8.38	
37 N-Nitrosodi-n-propylamine	70	4.854	4.854	0.000	77	573466	7.50	8.58	
35 Acetophenone	105	4.854	4.854	0.000	88	854875	7.50	8.21	
38 N-Nitrosomorpholine	56	4.864	4.864	0.000	92	476952	7.50	8.45	
39 2-Toluidine	106	4.886	4.886	0.000	95	939264	7.50	8.25	
40 Hexachloroethane	117	4.961	4.961	0.000	93	216971	7.50	8.23	
$ 41 Nitrobenzene-d5	82	4.998	4.998	0.000	88	1511879	15.0	15.6	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 Nitrobenzene	77	5.014	5.014	0.000	87	761900	7.50	7.89	
	44 N-Nitrosopiperidine	114	5.159	5.159	0.000	83	280362	7.50	7.93	
	46 Isophorone	82	5.244	5.244	0.000	98	1459122	7.50	8.10	
	47 2-Nitrophenol	139	5.319	5.319	0.000	87	207152	7.50	7.53	
	48 2,4-Dimethylphenol	107	5.356	5.356	0.000	98	588199	7.50	7.90	
	49 o,o',o''-Triethylphosphorothioat	198	5.426	5.426	0.000	95	213492	7.50	7.13	
	51 Bis(2-chloroethoxy)methane	93	5.453	5.453	0.000	97	821170	7.50	7.90	
	52 2,4-Dichlorophenol	162	5.544	5.544	0.000	93	354429	7.50	7.81	
	54 1,2,4-Trichlorobenzene	180	5.629	5.629	0.000	91	382181	7.50	7.58	
*	55 Naphthalene-d8	136	5.688	5.688	0.000	99	822941	5.00	5.00	
	56 Naphthalene	128	5.709	5.709	0.000	98	1363087	7.50	7.72	
	26 Alpha-Terpineol	59	5.715	5.715	0.000	92	614761	7.50	7.76	
	57 4-Chloroaniline	127	5.758	5.758	0.000	91	607696	7.50	7.95	
	58 2,6-Dichlorophenol	162	5.763	5.763	0.000	89	363393	7.50	7.93	
	59 Hexachloropropene	213	5.795	5.795	0.000	91	269705	7.50	7.83	
	60 Hexachlorobutadiene	225	5.827	5.827	0.000	95	218061	7.50	7.60	
	62 Quinoline	129	6.020	6.020	0.000	92	944461	7.50	7.74	
	64 Caprolactam	113	6.062	6.062	0.000	78	165249	7.50	7.77	
	65 N-Nitrosodi-n-butylamine	84	6.079	6.079	0.000	91	549450	7.50	7.03	
	33 p-Phenylene diamine	108	6.089	6.089	0.000	93	601977	7.50	8.00	
	66 4-Chloro-3-methylphenol	107	6.212	6.212	0.000	91	531355	7.50	7.99	
	67 Safrole, Total	162	6.287	6.287	0.000	79	349737	7.50	7.96	
	69 2-Methylnaphthalene	142	6.367	6.367	0.000	91	821937	7.50	7.79	
	70 1-Methylnaphthalene	142	6.458	6.458	0.000	92	840133	7.50	7.70	
	71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	96	282865	7.50	7.67	
	72 1,2,4,5-Tetrachlorobenzene	216	6.522	6.522	0.000	97	406192	7.50	7.92	
	73 Isosafrole Peak 1	162	6.565	6.565	0.000	84	64144	1.20	1.29	
	74 2,4,6-Trichlorophenol	196	6.629	6.629	0.000	81	262073	7.50	8.09	
	75 2,4,5-Trichlorophenol	196	6.662	6.662	0.000	91	298729	7.50	8.22	
$	76 2-Fluorobiphenyl (Surr)	172	6.715	6.715	0.000	99	2013422	15.0	15.7	
	77 Isosafrole Peak 2	162	6.779	6.779	0.000	84	370427	6.30	6.54	
	79 1,1'-Biphenyl	154	6.811	6.811	0.000	96	1121130	7.50	7.83	
	80 2-Chloronaphthalene	162	6.827	6.827	0.000	98	840507	7.50	7.60	
	81 1-Chloronaphthalene	162	6.849	6.849	0.000	95	855565	7.50	8.01	
	82 Phenyl ether	170	6.913	6.913	0.000	90	594879	7.50	8.07	
	83 2-Nitroaniline	138	6.924	6.924	0.000	74	289012	7.50	8.12	
	84 1,4-Naphthoquinone	158	6.993	6.993	0.000	70	351527	7.50	7.94	
	85 1,4-Dinitrobenzene	168	7.057	7.057	0.000	84	123979	7.50	7.60	
	86 Dimethyl phthalate	163	7.100	7.100	0.000	95	1044658	7.50	7.98	
	87 1,3-Dinitrobenzene	168	7.122	7.122	0.000	79	148955	7.50	7.98	
	88 2,6-Dinitrotoluene	165	7.154	7.154	0.000	79	231336	7.50	8.47	
	90 Acenaphthylene	152	7.223	7.223	0.000	99	1337227	7.50	7.89	
	91 3-Nitroaniline	138	7.309	7.309	0.000	86	247980	7.50	7.70	
*	92 Acenaphthene-d10	164	7.352	7.352	0.000	94	471811	5.00	5.00	
	93 Acenaphthene	153	7.384	7.384	0.000	97	922802	7.50	7.98	
	94 2,4-Dinitrophenol	184	7.410	7.410	0.000	73	250806	17.5	17.5	
	96 4-Nitrophenol	109	7.458	7.458	0.000	87	366308	15.0	17.1	
	98 Pentachlorobenzene	250	7.507	7.507	0.000	97	378524	7.50	7.65	
	99 2,4-Dinitrotoluene	165	7.533	7.533	0.000	83	308949	7.50	8.02	
	100 Dibenzofuran	168	7.549	7.549	0.000	96	1294813	7.50	7.96	
	101 1-Naphthylamine	143	7.624	7.624	0.000	97	925239	7.50	7.86	
	102 2,3,4,6-Tetrachlorophenol	232	7.662	7.662	0.000	79	243342	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
103 2-Naphthylamine	143	7.694	7.694	0.000	94	1038951	7.50	8.15	
104 Diethyl phthalate	149	7.774	7.774	0.000	96	1069020	7.50	8.06	
106 Thionazin	107	7.849	7.849	0.000	77	232139	7.50	8.07	
105 Fluorene	166	7.876	7.876	0.000	92	1031465	7.50	7.88	
108 4-Chlorophenyl phenyl ether	204	7.881	7.881	0.000	78	493450	7.50	8.09	
107 N-Nitro-o-toluidine	152	7.881	7.881	0.000	80	303387	7.50	8.13	
109 4-Nitroaniline	138	7.881	7.881	0.000	79	290836	7.50	8.55	
110 4,6-Dinitro-2-methylphenol	198	7.913	7.913	0.000	64	272162	15.0	14.6	
111 N-Nitrosodiphenylamine	169	7.988	7.988	0.000	97	754478	6.38	7.05	
112 1,2-Diphenylhydrazine	77	8.025	8.025	0.000	99	1771370	7.50	8.47	
$ 113 2,4,6-Tribromophenol	330	8.100	8.100	0.000	94	324791	15.0	16.1	
114 Sulfotepp	97	8.148	8.148	0.000	81	265135	7.50	8.17	
175 1,3,5-Trinitrobenzene	213	8.229	8.229	0.000	81	87134	7.50	7.32	
115 cis-Diallate	86	8.266	8.266	0.000	81	532235	5.55	5.74	
116 Phorate	75	8.271	8.271	0.000	94	1122579	7.50	8.30	
117 Phenacetin	108	8.277	8.277	0.000	86	702493	7.50	8.38	
118 4-Bromophenyl phenyl ether	248	8.341	8.341	0.000	76	290787	7.50	8.16	
119 trans-Diallate	86	8.352	8.352	0.000	97	187580	1.95	2.08	
120 Hexachlorobenzene	284	8.389	8.389	0.000	94	332316	7.50	7.68	
121 Dimethoate	87	8.427	8.427	0.000	96	665528	7.50	8.34	
122 Atrazine	200	8.496	8.496	0.000	84	290022	7.50	8.16	
123 Pentachlorophenol	266	8.576	8.576	0.000	91	369706	15.0	16.5	
124 4-Aminobiphenyl	169	8.582	8.582	0.000	92	1247483	7.50	8.07	
125 Pentachloronitrobenzene	237	8.587	8.587	0.000	85	143957	7.50	8.02	
126 Pronamide	173	8.646	8.646	0.000	92	490605	7.50	8.13	
128 Dinoseb	211	8.758	8.758	0.000	91	209526	7.50	7.62	
* 127 Phenanthrene-d10	188	8.758	8.758	0.000	96	903262	5.00	5.00	
68 Disulfoton	88	8.769	8.769	0.000	94	1119932	7.50	7.67	
129 Phenanthrene	178	8.785	8.785	0.000	98	1563742	7.50	8.00	
130 Anthracene	178	8.833	8.833	0.000	98	1562787	7.50	8.02	
131 Carbazole	167	8.983	8.983	0.000	96	1463142	7.50	8.21	
132 Methyl parathion	109	9.122	9.122	0.000	89	436121	7.50	8.18	
133 Di-n-butyl phthalate	149	9.330	9.330	0.000	99	1783862	7.50	8.39	
134 Ethyl Parathion	109	9.496	9.496	0.000	82	262212	7.50	8.00	
135 4-Nitroquinoline-1-oxide	190	9.512	9.512	0.000	76	122162	7.50	6.88	
S 63 Diallate	86				0		7.50	7.82	
136 Octachlorostyrene	308	9.732	9.732	0.000	94	132679	7.50	7.84	
137 Isodrin	193	9.769	9.769	0.000	84	185208	7.50	7.54	
138 Fluoranthene	202	9.914	9.914	0.000	99	1589184	7.50	7.95	
139 Benzidine	184	10.047	10.047	0.000	99	3533608	22.5	26.3	
* 140 Pyrene-d10 (IS)	212	10.106	10.106	0.000	99	908497	5.00	5.00	
141 Pyrene	202	10.127	10.127	0.000	96	1724816	7.50	7.65	
$ 142 p-Terphenyl-d14	244	10.288	10.288	0.000	98	2497914	15.0	16.3	
143 p-Dimethylamino azobenzene	225	10.427	10.427	0.000	92	290530	7.50	8.02	
144 Chlorobenzilate	139	10.480	10.480	0.000	85	560076	7.50	8.05	
145 3,3'-Dimethylbenzidine	212	10.780	10.780	0.000	99	974523	7.50	8.46	
146 Butyl benzyl phthalate	149	10.807	10.807	0.000	92	795345	7.50	7.97	
147 2-Acetylaminofluorene	181	11.047	11.047	0.000	95	533976	7.50	7.12	
148 3,3'-Dichlorobenzidine	252	11.384	11.384	0.000	78	598364	7.50	8.13	
150 4,4'-Methylene bis(2-chloroani	231	11.395	11.395	0.000	95	325655	7.50	8.63	
149 Benzo[a]anthracene	228	11.400	11.400	0.000	99	1492754	7.50	8.02	
151 Chrysene	228	11.443	11.443	0.000	97	1495461	7.50	8.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
152 Bis(2-ethylhexyl) phthalate	149	11.481	11.481	0.000	94	1076904	7.50	7.85	
153 6-Methylchrysene	242	12.010	12.010	0.000	100	1018284	7.50	7.65	
154 Di-n-octyl phthalate	149	12.342	12.342	0.000	99	1597447	7.50	7.54	
156 7,12-Dimethylbenz(a)anthracene	256	12.796	12.796	0.000	89	684956	7.50	7.90	
155 Benzo[b]fluoranthene	252	12.796	12.796	0.000	97	1443761	7.50	7.80	
157 Benzo[k]fluoranthene	252	12.834	12.834	0.000	99	1634457	7.50	8.39	
158 Benzo[a]pyrene	252	13.251	13.251	0.000	79	1232083	7.50	7.90	
* 159 Perylene-d12	264	13.331	13.331	0.000	96	763094	5.00	5.00	
160 3-Methylcholanthrene	268	13.770	13.770	0.000	93	708895	7.50	7.85	
161 Dibenz[a,h]acridine	279	14.578	14.578	0.000	91	961712	7.50	7.74	
162 Dibenz[a,j]acridine	279	14.652	14.652	0.000	96	1249409	7.50	8.26	
163 Indeno[1,2,3-cd]pyrene	276	14.925	14.925	0.000	99	1149739	7.50	8.32	
164 Dibenz(a,h)anthracene	278	14.979	14.979	0.000	93	1315312	7.50	8.30	
165 Benzo[g,h,i]perylene	276	15.332	15.332	0.000	97	1342002	7.50	8.02	
S 166 Isosafrole	162				0		7.50	7.84	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_5_00035 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2022 14:38:46 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2751b.D

Injection Date: 27-Dec-2022 18:32:50 Instrument ID: HP20296 Operator ID: mem41592

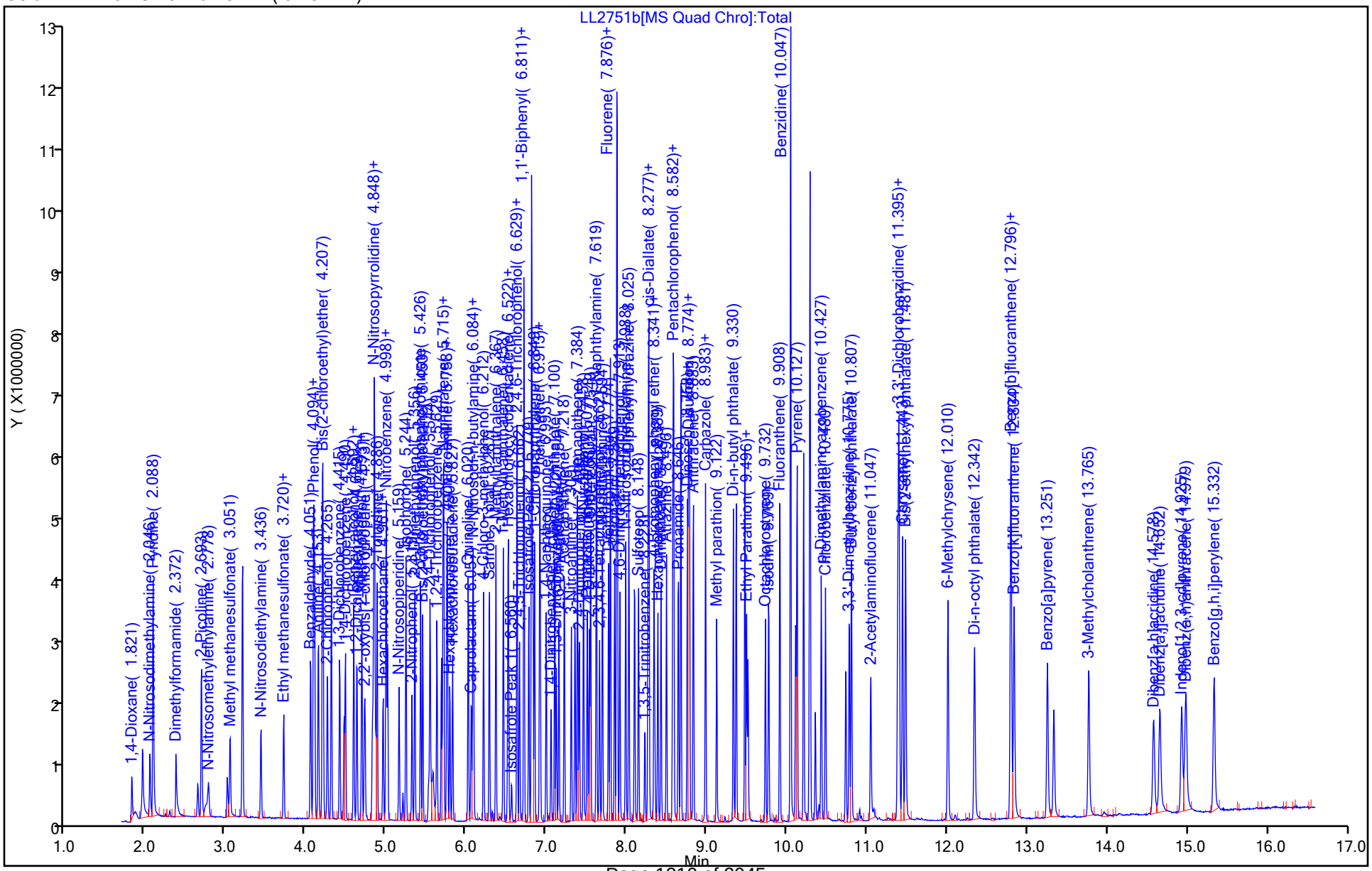
Lims ID: ICIS L5 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2752.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 27-Dec-2022 19:08:03 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0074050-003
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub27

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:38:51 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 28-Dec-2022 14:37:17

	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	1.826	1.821	0.005	98	1136792	30.0	28.6	
	2 N-Nitrosodimethylamine	74	2.051	2.046	0.005	94	2084848	30.0	30.5	
	3 Pyridine	79	2.088	2.088	0.000	97	6399684	60.0	58.9	
	4 Dimethylformamide	73	2.372	2.372	0.000	96	2338809	30.0	31.2	
	5 2-Picoline	93	2.693	2.693	0.000	93	3236873	30.0	29.5	
	6 N-Nitrosomethylethylamine	88	2.784	2.778	0.006	94	1450017	30.0	27.7	
	9 Methyl methanesulfonate	80	3.056	3.051	0.005	86	1871961	30.0	29.2	
$	10 2-Fluorophenol	112	3.217	3.206	0.011	96	4745566	60.0	63.2	
	11 N-Nitrosodiethylamine	102	3.441	3.436	0.005	95	1356800	30.0	29.5	
	13 Ethyl methanesulfonate	109	3.725	3.720	0.005	96	1401654	30.0	28.9	
	15 Benzaldehyde	77	4.057	4.051	0.006	91	1455864	30.0	26.0	
$	16 Phenol-d5	99	4.099	4.089	0.010	99	7535725	60.0	65.5	
	17 Phenol	94	4.110	4.105	0.005	98	3884977	30.0	32.6	
	18 Aniline	93	4.153	4.153	0.000	96	4746989	30.0	31.7	
	19 Bis(2-chloroethyl)ether	93	4.217	4.212	0.005	93	3014476	30.0	30.3	
	20 2-Chlorophenol	128	4.265	4.265	0.000	90	2140904	30.0	32.1	
	22 1,3-Dichlorobenzene	146	4.420	4.415	0.005	91	2163455	30.0	30.3	
*	24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	95	235825	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	86	2210632	30.0	29.9	
	27 Benzyl alcohol	108	4.597	4.592	0.005	89	1862153	30.0	31.3	
	29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	90	2153096	30.0	30.9	
	31 2-Methylphenol	108	4.698	4.693	0.005	97	2507531	30.0	32.0	
	32 2,2'-oxybis[1-chloropropane]	45	4.730	4.731	-0.001	93	4129531	30.0	30.3	
	34 N-Nitrosopyrrolidine	100	4.837	4.827	0.010	95	1651829	30.0	31.1	
	36 4-Methylphenol	108	4.848	4.843	0.005	95	2752104	30.0	32.7	
	37 N-Nitrosodi-n-propylamine	70	4.859	4.854	0.005	85	2719512	30.0	31.9	
	35 Acetophenone	105	4.859	4.854	0.005	91	4065933	30.0	30.6	
	38 N-Nitrosomorpholine	56	4.875	4.864	0.011	91	2118853	30.0	29.5	
	39 2-Toluidine	106	4.891	4.886	0.005	95	4492243	30.0	30.9	
	40 Hexachloroethane	117	4.960	4.961	-0.001	95	1041218	30.0	31.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	5.003	4.998	0.005	88	7279017	60.0	62.2	
42 Nitrobenzene	77	5.019	5.014	0.005	86	3635101	30.0	31.1	
44 N-Nitrosopiperidine	114	5.164	5.159	0.005	83	1347282	30.0	31.5	
46 Isophorone	82	5.249	5.244	0.005	98	6863392	30.0	31.5	
47 2-Nitrophenol	139	5.319	5.319	0.000	88	1081462	30.0	32.5	
48 2,4-Dimethylphenol	107	5.356	5.356	0.000	99	2970669	30.0	33.0	
49 o,o',o''-Triethylphosphorothioat	198	5.431	5.426	0.005	95	1052065	30.0	29.1	
51 Bis(2-chloroethoxy)methane	93	5.458	5.453	0.005	97	3962677	30.0	31.5	
52 2,4-Dichlorophenol	162	5.549	5.544	0.005	95	1801863	30.0	32.8	
54 1,2,4-Trichlorobenzene	180	5.634	5.629	0.005	92	1869915	30.0	30.7	
* 55 Naphthalene-d8	136	5.688	5.688	0.000	98	994837	5.00	5.00	
56 Naphthalene	128	5.709	5.709	0.000	98	6441563	30.0	30.2	
26 Alpha-Terpineol	59	5.720	5.715	0.005	93	2990358	30.0	31.2	
57 4-Chloroaniline	127	5.757	5.758	-0.001	92	2947685	30.0	31.9	
58 2,6-Dichlorophenol	162	5.768	5.763	0.005	93	1764095	30.0	31.8	
59 Hexachloropropene	213	5.795	5.795	0.000	91	1281071	30.0	30.8	
60 Hexachlorobutadiene	225	5.827	5.827	0.000	97	1042328	30.0	30.0	
62 Quinoline	129	6.025	6.020	0.005	92	4459008	30.0	30.2	
64 Caprolactam	113	6.089	6.062	0.027	71	814307	30.0	31.7	
65 N-Nitrosodi-n-butylamine	84	6.084	6.079	0.005	90	3142677	30.0	33.3	
33 p-Phenylene diamine	108	6.094	6.089	0.005	93	2735015	30.0	30.0	
66 4-Chloro-3-methylphenol	107	6.217	6.212	0.005	92	2643547	30.0	32.9	
67 Safrole, Total	162	6.287	6.287	0.000	80	1663304	30.0	31.3	
69 2-Methylnaphthalene	142	6.367	6.367	0.000	91	3993104	30.0	31.3	
70 1-Methylnaphthalene	142	6.463	6.458	0.005	92	4080254	30.0	30.9	
71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	96	1425553	30.0	32.3	
72 1,2,4,5-Tetrachlorobenzene	216	6.528	6.522	0.006	99	1952104	30.0	31.8	
73 Isosafrole Peak 1	162	6.565	6.565	0.000	81	293206	4.80	4.94	
74 2,4,6-Trichlorophenol	196	6.635	6.629	0.006	82	1317570	30.0	34.0	
75 2,4,5-Trichlorophenol	196	6.667	6.662	0.005	90	1435599	30.0	33.0	
$ 76 2-Fluorobiphenyl (Surr)	172	6.720	6.715	0.005	92	8161744	60.0	53.3	
77 Isosafrole Peak 2	162	6.779	6.779	0.000	83	1746804	25.2	25.8	
79 1,1'-Biphenyl	154	6.816	6.811	0.005	96	5412995	30.0	31.6	
80 2-Chloronaphthalene	162	6.832	6.827	0.005	98	4290643	30.0	32.4	
81 1-Chloronaphthalene	162	6.854	6.849	0.005	95	3723636	30.0	29.1	
82 Phenyl ether	170	6.913	6.913	0.000	91	2791437	30.0	31.7	
83 2-Nitroaniline	138	6.923	6.924	-0.001	73	1455436	30.0	34.2	
84 1,4-Naphthoquinone	158	6.998	6.993	0.005	73	1701223	30.0	32.1	
85 1,4-Dinitrobenzene	168	7.057	7.057	0.000	85	669688	30.0	34.3	
86 Dimethyl phthalate	163	7.105	7.100	0.005	95	4928486	30.0	31.5	
87 1,3-Dinitrobenzene	168	7.127	7.122	0.005	80	772729	30.0	34.6	
88 2,6-Dinitrotoluene	165	7.159	7.154	0.005	82	1104635	30.0	33.8	
90 Acenaphthylene	152	7.223	7.223	0.000	99	6446626	30.0	31.8	
91 3-Nitroaniline	138	7.314	7.309	0.005	87	1285264	30.0	33.4	
* 92 Acenaphthene-d10	164	7.357	7.352	0.005	95	564139	5.00	5.00	
93 Acenaphthene	153	7.389	7.384	0.005	97	4378442	30.0	31.7	
94 2,4-Dinitrophenol	184	7.415	7.410	0.005	73	1217711	60.0	71.0	
96 4-Nitrophenol	109	7.469	7.458	0.011	88	1789834	60.0	69.7	
98 Pentachlorobenzene	250	7.512	7.507	0.005	97	1757444	30.0	29.7	
99 2,4-Dinitrotoluene	165	7.539	7.533	0.006	83	1511803	30.0	32.8	
100 Dibenzofuran	168	7.549	7.549	0.000	97	6004687	30.0	30.9	
101 1-Naphthylamine	143	7.624	7.624	0.000	97	4469628	30.0	31.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.667	7.662	0.005	78	1212732	30.0	33.7	
103 2-Naphthylamine	143	7.699	7.694	0.005	94	4883840	30.0	32.1	
104 Diethyl phthalate	149	7.779	7.774	0.005	96	5100427	30.0	32.2	
106 Thionazin	107	7.859	7.849	0.010	76	1078141	30.0	31.3	
105 Fluorene	166	7.875	7.876	-0.001	93	4906476	30.0	31.3	
109 4-Nitroaniline	138	7.897	7.881	0.016	80	1376740	30.0	33.8	
108 4-Chlorophenyl phenyl ether	204	7.881	7.881	0.000	91	2292304	30.0	31.4	
107 N-Nitro-o-toluidine	152	7.886	7.881	0.005	88	1430390	30.0	32.1	
110 4,6-Dinitro-2-methylphenol	198	7.924	7.913	0.011	70	1552724	60.0	69.1	
111 N-Nitrosodiphenylamine	169	7.993	7.988	0.005	98	3508663	25.5	27.3	
112 1,2-Diphenylhydrazine	77	8.031	8.025	0.006	97	7262782	30.0	28.9	
$ 113 2,4,6-Tribromophenol	330	8.105	8.100	0.005	95	1610748	60.0	66.8	
114 Sulfotepp	97	8.148	8.148	0.000	81	1192757	30.0	30.6	
175 1,3,5-Trinitrobenzene	213	8.239	8.229	0.010	80	499136	30.0	34.9	
115 cis-Diallate	86	8.266	8.266	0.000	86	2427792	22.2	21.8	
116 Phorate	75	8.277	8.271	0.006	95	5125098	30.0	31.5	
117 Phenacetin	108	8.293	8.277	0.016	88	3339637	30.0	33.2	
118 4-Bromophenyl phenyl ether	248	8.346	8.341	0.005	76	1341076	30.0	31.3	
119 trans-Diallate	86	8.352	8.352	0.000	97	843798	7.80	7.80	
120 Hexachlorobenzene	284	8.389	8.389	0.000	95	1554719	30.0	29.9	
121 Dimethoate	87	8.437	8.427	0.010	96	3068190	30.0	32.0	
122 Atrazine	200	8.501	8.496	0.005	85	1266381	30.0	29.6	
123 Pentachlorophenol	266	8.582	8.576	0.006	92	1953208	60.0	72.5	
124 4-Aminobiphenyl	169	8.587	8.582	0.005	92	5882485	30.0	31.7	
125 Pentachloronitrobenzene	237	8.592	8.587	0.005	87	661225	30.0	30.7	
126 Pronamide	173	8.651	8.646	0.005	91	2316953	30.0	32.0	
128 Dinoseb	211	8.758	8.758	0.000	92	1178746	30.0	29.7	
* 127 Phenanthrene-d10	188	8.763	8.758	0.005	96	1085130	5.00	5.00	
68 Disulfoton	88	8.774	8.769	0.005	94	5076678	30.0	28.9	
129 Phenanthrene	178	8.785	8.785	0.000	97	6980276	30.0	29.7	
130 Anthracene	178	8.833	8.833	0.000	98	7354015	30.0	31.4	
S 53 Dinitrotoluene	165				0			66.7	
131 Carbazole	167	8.988	8.983	0.005	97	6480625	30.0	30.3	
132 Methyl parathion	109	9.127	9.122	0.005	90	2189299	30.0	34.2	
133 Di-n-butyl phthalate	149	9.336	9.330	0.006	100	7499392	30.0	29.4	
134 Ethyl Parathion	109	9.496	9.496	0.000	82	1322325	30.0	33.6	
135 4-Nitroquinoline-1-oxide	190	9.518	9.512	0.006	88	750886	30.0	35.2	
S 63 Diallate	86				0		30.0	29.6	
136 Octachlorostyrene	308	9.731	9.732	-0.001	94	626573	30.0	30.8	
137 Isodrin	193	9.774	9.769	0.005	89	838621	30.0	28.4	
138 Fluoranthene	202	9.913	9.914	-0.001	99	7142925	30.0	29.7	
139 Benzidine	184	10.052	10.047	0.005	88	10684087	90.0	70.0	
* 140 Pyrene-d10 (IS)	212	10.111	10.106	0.005	98	1032537	5.00	5.00	
141 Pyrene	202	10.127	10.127	0.000	94	7485953	30.0	29.2	
$ 142 p-Terphenyl-d14	244	10.293	10.288	0.005	98	8849142	60.0	50.9	
143 p-Dimethylamino azobenzene	225	10.432	10.427	0.005	93	1407561	30.0	34.2	
144 Chlorobenzilate	139	10.480	10.480	0.000	85	2628171	30.0	33.2	
145 3,3'-Dimethylbenzidine	212	10.780	10.780	0.000	99	4157656	30.0	31.8	
146 Butyl benzyl phthalate	149	10.807	10.807	0.000	93	3744462	30.0	33.0	
147 2-Acetylaminofluorene	181	11.053	11.047	0.006	95	2911069	30.0	34.1	
148 3,3'-Dichlorobenzidine	252	11.384	11.384	0.000	77	2856916	30.0	34.2	
150 4,4'-Methylene bis(2-chloroani	231	11.395	11.395	0.000	96	1442675	30.0	33.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.406	11.400	0.006	100	7040646	30.0	33.3	
151 Chrysene	228	11.448	11.443	0.005	97	6791761	30.0	32.0	
152 Bis(2-ethylhexyl) phthalate	149	11.480	11.481	-0.001	95	5420757	30.0	34.8	
S 89 Aramite, Total	185		11.583				30.0	ND	
153 6-Methylchrysene	242	12.015	12.010	0.005	100	4887502	30.0	32.3	
154 Di-n-octyl phthalate	149	12.342	12.342	0.000	99	8903685	30.0	36.7	
156 7,12-Dimethylbenz(a)anthracene	256	12.807	12.796	0.011	75	3295576	30.0	33.2	
155 Benzo[b]fluoranthene	252	12.802	12.796	0.006	98	7162712	30.0	33.8	
157 Benzo[k]fluoranthene	252	12.844	12.834	0.010	99	7214213	30.0	32.3	
158 Benzo[a]pyrene	252	13.256	13.251	0.005	79	6012999	30.0	33.6	
* 159 Perylene-d12	264	13.331	13.331	0.000	96	874361	5.00	5.00	
160 3-Methylcholanthrene	268	13.775	13.770	0.005	93	3559067	30.0	34.4	
161 Dibenz[a,h]acridine	279	14.588	14.578	0.010	91	5060089	30.0	35.5	
162 Dibenz[a,j]acridine	279	14.668	14.652	0.016	96	5940376	30.0	34.3	
163 Indeno[1,2,3-cd]pyrene	276	14.941	14.925	0.016	99	5574236	30.0	35.2	
164 Dibenz(a,h)anthracene	278	14.989	14.979	0.010	93	6350573	30.0	35.0	
165 Benzo[g,h,i]perylene	276	15.348	15.332	0.016	98	6358645	30.0	33.2	
S 166 Isosafrole	162				0		30.0	30.7	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_8_00028 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2022 14:38:52 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2752.D

Injection Date: 27-Dec-2022 19:08:03 Instrument ID: HP20296 Operator ID: mem41592

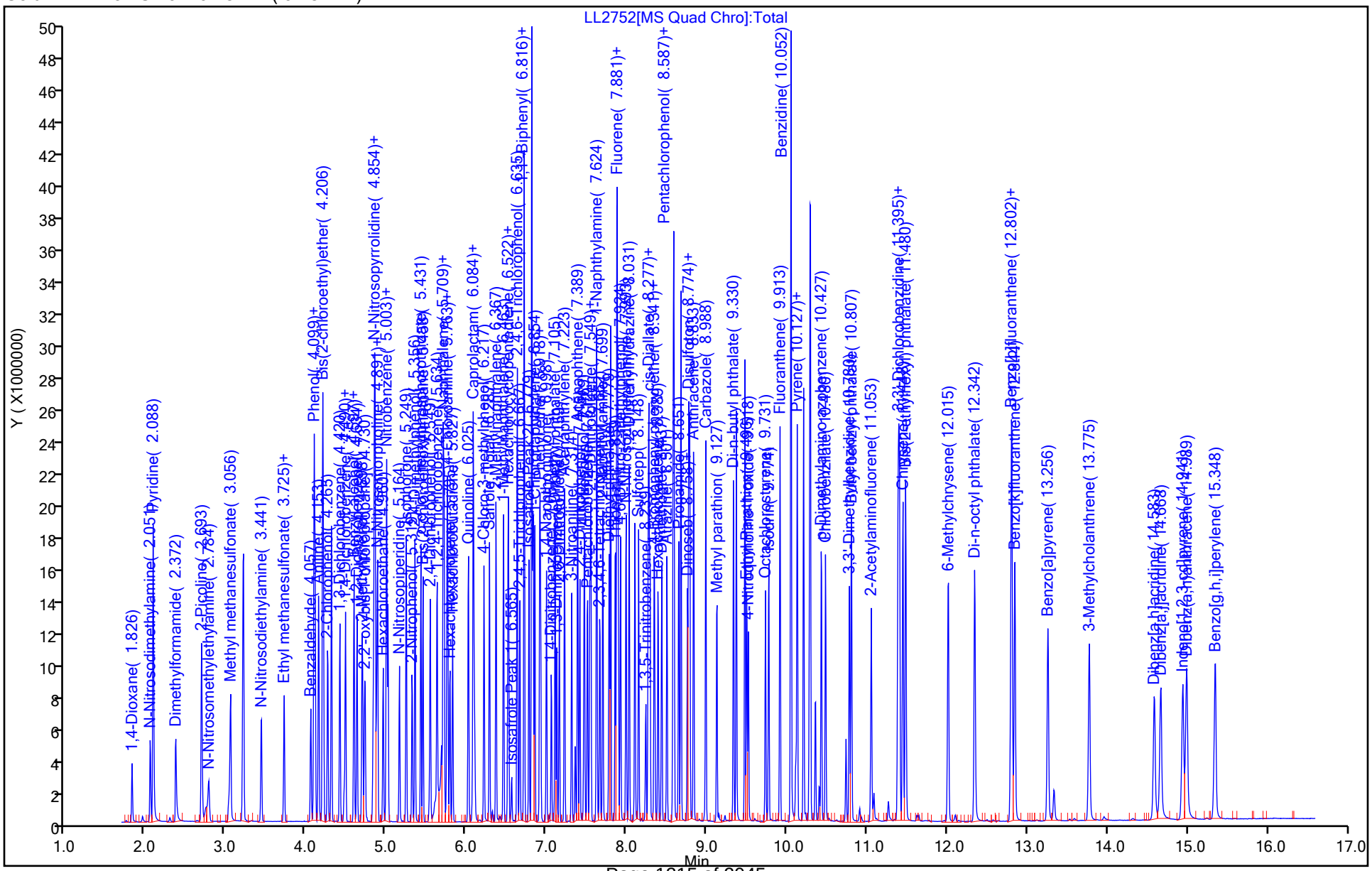
Lims ID: IC L8 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2753.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Dec-2022 19:29:06 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0074050-004
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub27

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:38:58 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 28-Dec-2022 14:39:33

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.837	1.821	0.016	74	12904	0.1250	0.3445	
	2 N-Nitrosodimethylamine	74	2.067	2.046	0.021	92	9282	0.1250	0.1441	
	3 Pyridine	79	2.104	2.088	0.016	95	31617	0.2500	0.3087	
	4 Dimethylformamide	73		2.372				ND	ND	U
	5 2-Picoline	93	2.704	2.693	0.011	92	14298	0.1250	0.1381	
	6 N-Nitrosomethylethylamine	88	2.784	2.778	0.006	30	19473	0.1250	0.3948	
	9 Methyl methanesulfonate	80	3.057	3.051	0.006	57	8573	0.1250	0.1418	
$	10 2-Fluorophenol	112	3.206	3.206	0.000	95	17498	0.2500	0.2472	
	11 N-Nitrosodiethylamine	102	3.442	3.436	0.006	91	7021	0.1250	0.1616	
	13 Ethyl methanesulfonate	109	3.725	3.720	0.005	98	6842	0.1250	0.1495	
$	16 Phenol-d5	99	4.094	4.089	0.005	97	27144	0.2500	0.2500	
	17 Phenol	94	4.105	4.105	0.000	51	13768	0.1250	0.1224	
	18 Aniline	93	4.153	4.153	0.000	92	18084	0.1250	0.1282	
	19 Bis(2-chloroethyl)ether	93	4.212	4.212	0.000	64	11856	0.1250	0.1264	
	20 2-Chlorophenol	128	4.265	4.265	0.000	87	7635	0.1250	0.1212	
	22 1,3-Dichlorobenzene	146	4.420	4.415	0.005	88	8988	0.1250	0.1336	
*	24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	96	222430	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	80	9900	0.1250	0.1421	
	27 Benzyl alcohol	108	4.592	4.592	0.000	84	7741	0.1250	0.1378	
	29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	86	8080	0.1250	0.1228	
	31 2-Methylphenol	108	4.688	4.693	-0.005	93	8886	0.1250	0.1203	
	32 2,2'-oxybis[1-chloropropane]	45	4.731	4.731	0.000	94	16855	0.1250	0.1313	
	34 N-Nitrosopyrrolidine	100	4.827	4.827	0.000	85	6147	0.1250	0.1228	
	36 4-Methylphenol	108	4.838	4.843	-0.005	95	9479	0.1250	0.1193	
	37 N-Nitrosodi-n-propylamine	70	4.848	4.854	-0.006	69	9963	0.1250	0.1241	
	35 Acetophenone	105	4.848	4.854	-0.006	84	15482	0.1250	0.1237	
	38 N-Nitrosomorpholine	56	4.864	4.864	0.000	39	9121	0.1250	0.1344	
	39 2-Toluidine	106	4.886	4.886	0.000	94	16690	0.1250	0.1219	
	40 Hexachloroethane	117	4.955	4.961	-0.006	77	3710	0.1250	0.1171	
$	41 Nitrobenzene-d5	82	4.998	4.998	0.000	88	28943	0.2500	0.2724	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Nitrobenzene	77	5.014	5.014	0.000	79	14449	0.1250	0.1362	
44 N-Nitrosopiperidine	114	5.159	5.159	0.000	81	4737	0.1250	0.1220	
46 Isophorone	82	5.244	5.244	0.000	97	25537	0.1250	0.1291	
47 2-Nitrophenol	139	5.319	5.319	0.000	80	3681	0.1250	0.1218	
48 2,4-Dimethylphenol	107	5.351	5.356	-0.005	93	9729	0.1250	0.1190	
49 o,o',o''-Triethylphosphorothioat	198	5.426	5.426	0.000	90	4985	0.1250	0.1517	
51 Bis(2-chloroethoxy)methane	93	5.453	5.453	0.000	96	14455	0.1250	0.1266	
52 2,4-Dichlorophenol	162	5.544	5.544	0.000	64	6621	0.1250	0.1328	
54 1,2,4-Trichlorobenzene	180	5.629	5.629	0.000	87	6952	0.1250	0.1256	
* 55 Naphthalene-d8	136	5.688	5.688	0.000	99	903846	5.00	5.00	
56 Naphthalene	128	5.704	5.709	-0.005	96	24734	0.1250	0.1275	
26 Alpha-Terpineol	59		5.715				ND	ND	U
57 4-Chloroaniline	127	5.758	5.758	0.000	82	10689	0.1250	0.1273	
58 2,6-Dichlorophenol	162	5.763	5.763	0.000	75	6480	0.1250	0.1288	
59 Hexachloropropene	213	5.795	5.795	0.000	88	3992	0.1250	0.1056	
60 Hexachlorobutadiene	225	5.827	5.827	0.000	85	4551	0.1250	0.1444	
62 Quinoline	129	6.020	6.020	0.000	90	16860	0.1250	0.1257	
65 N-Nitrosodi-n-butylamine	84	6.078	6.079	-0.001	87	14693	0.1250	0.1712	
33 p-Phenylene diamine	108	6.089	6.089	0.000	74	7587	0.1250	0.0917	
66 4-Chloro-3-methylphenol	107	6.212	6.212	0.000	91	9299	0.1250	0.1273	
67 Safrole, Total	162	6.282	6.287	-0.005	68	5776	0.1250	0.1197	
69 2-Methylnaphthalene	142	6.367	6.367	0.000	87	13695	0.1250	0.1181	
70 1-Methylnaphthalene	142	6.458	6.458	0.000	95	15620	0.1250	0.1303	
71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	87	5477	0.1250	0.1368	
72 1,2,4,5-Tetrachlorobenzene	216	6.522	6.522	0.000	88	6541	0.1250	0.1174	
73 Isosafrole Peak 1	162	6.565	6.565	0.000	30	1943	0.0200	0.0360	a
74 2,4,6-Trichlorophenol	196	6.629	6.629	0.000	72	4413	0.1250	0.1255	
75 2,4,5-Trichlorophenol	196	6.656	6.662	-0.006	82	4775	0.1250	0.1210	
$ 76 2-Fluorobiphenyl (Surr)	172	6.715	6.715	0.000	97	38707	0.2500	0.2786	
77 Isosafrole Peak 2	162	6.774	6.779	-0.005	85	7323	0.1050	0.1191	
79 1,1'-Biphenyl	154	6.811	6.811	0.000	93	20905	0.1250	0.1345	
80 2-Chloronaphthalene	162	6.827	6.827	0.000	93	15616	0.1250	0.1300	
81 1-Chloronaphthalene	162	6.849	6.849	0.000	94	16089	0.1250	0.1387	
82 Phenyl ether	170	6.913	6.913	0.000	86	9940	0.1250	0.1243	
83 2-Nitroaniline	138	6.918	6.924	-0.006	69	3927	0.1250	0.1016	
84 1,4-Naphthoquinone	158	6.993	6.993	0.000	66	5966	0.1250	0.1241	
85 1,4-Dinitrobenzene	168	7.052	7.057	-0.005	83	2978	0.1250	0.1681	
86 Dimethyl phthalate	163	7.100	7.100	0.000	96	17841	0.1250	0.1254	
87 1,3-Dinitrobenzene	168	7.121	7.122	-0.001	80	2389	0.1250	0.1178	
88 2,6-Dinitrotoluene	165	7.154	7.154	0.000	66	3125	0.1250	0.1054	
90 Acenaphthylene	152	7.218	7.223	-0.005	99	22455	0.1250	0.1220	
91 3-Nitroaniline	138	7.303	7.309	-0.006	86	4284	0.1250	0.1225	
* 92 Acenaphthene-d10	164	7.351	7.352	-0.001	94	512295	5.00	5.00	
93 Acenaphthene	153	7.384	7.384	0.000	93	16784	0.1250	0.1336	
94 2,4-Dinitrophenol	184	7.405	7.410	-0.005	80	14811	1.25	0.9505	
96 4-Nitrophenol	109	7.458	7.458	0.000	87	15155	0.7500	0.6500	
98 Pentachlorobenzene	250	7.507	7.507	0.000	91	8061	0.1250	0.1501	
99 2,4-Dinitrotoluene	165	7.496	7.533	-0.037	83	4256	0.1250	0.1018	a
100 Dibenzofuran	168	7.549	7.549	0.000	95	23619	0.1250	0.1337	
101 1-Naphthylamine	143	7.619	7.624	-0.005	94	15929	0.1250	0.1247	
102 2,3,4,6-Tetrachlorophenol	232	7.656	7.662	-0.006	76	4104	0.1250	0.1256	
103 2-Naphthylamine	143	7.694	7.694	0.000	91	16036	0.1250	0.1159	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 Diethyl phthalate	149	7.769	7.774	-0.005	94	18521	0.1250	0.1286	
106 Thionazin	107	7.844	7.849	-0.005	77	6040	0.1250	0.1933	
105 Fluorene	166	7.870	7.876	-0.006	91	18119	0.1250	0.1275	
108 4-Chlorophenyl phenyl ether	204	7.876	7.881	-0.005	76	7674	0.1250	0.1158	
107 N-Nitro-o-toluidine	152	7.876	7.881	-0.005	68	5508	0.1250	0.1360	
109 4-Nitroaniline	138	7.881	7.881	0.000	69	4052	0.1250	0.1097	
110 4,6-Dinitro-2-methylphenol	198	7.913	7.913	0.000	70	10870	0.7500	0.5344	
111 N-Nitrosodiphenylamine	169	7.983	7.988	-0.005	91	11750	0.1063	0.1009	
112 1,2-Diphenylhydrazine	77	8.025	8.025	0.000	97	28548	0.1250	0.1255	
$ 113 2,4,6-Tribromophenol	330	8.095	8.100	-0.005	88	5405	0.2500	0.2467	
114 Sulfotepp	97	8.143	8.148	-0.005	65	4449	0.1250	0.1260	
175 1,3,5-Trinitrobenzene	213	8.223	8.229	-0.006	77	730	0.1250	0.0564	
115 cis-Diallate	86	8.261	8.266	-0.005	59	10388	0.0925	0.1030	
116 Phorate	75	8.271	8.271	0.000	92	19170	0.1250	0.1302	
117 Phenacetin	108	8.271	8.277	-0.006	60	11722	0.1250	0.1286	
118 4-Bromophenyl phenyl ether	248	8.336	8.341	-0.005	78	4012	0.1250	0.1035	Ma
119 trans-Diallate	86	8.346	8.352	-0.006	58	4619	0.0325	0.0471	
120 Hexachlorobenzene	284	8.384	8.389	-0.005	88	7210	0.1250	0.1533	
121 Dimethoate	87	8.421	8.427	-0.006	93	10643	0.1250	0.1227	
123 Pentachlorophenol	266	8.560	8.576	-0.016	87	8236	0.6250	0.3375	
124 4-Aminobiphenyl	169	8.582	8.582	0.000	89	21570	0.1250	0.1283	
125 Pentachloronitrobenzene	237	8.582	8.587	-0.005	47	3497	0.1250	0.1792	
126 Pronamide	173	8.640	8.646	-0.006	89	8644	0.1250	0.1317	
128 Dinoseb	211	8.753	8.758	-0.005	68	3192	0.1250	0.1661	
* 127 Phenanthrene-d10	188	8.758	8.758	0.000	96	982391	5.00	5.00	
68 Disulfoton	88	8.764	8.769	-0.005	53	33817	0.1250	0.2130	
129 Phenanthrene	178	8.780	8.785	-0.005	94	28346	0.1250	0.1333	
130 Anthracene	178	8.828	8.833	-0.005	97	26450	0.1250	0.1247	
S 53 Dinitrotoluene	165				0			0.2072	
131 Carbazole	167	8.977	8.983	-0.006	97	23453	0.1250	0.1210	
132 Methyl parathion	109	9.117	9.122	-0.005	87	7070	0.1250	0.1220	
133 Di-n-butyl phthalate	149	9.325	9.330	-0.005	99	27457	0.1250	0.1187	
134 Ethyl Parathion	109	9.491	9.496	-0.005	75	4747	0.1250	0.1332	
135 4-Nitroquinoline-1-oxide	190	9.507	9.512	-0.005	73	1257	0.1250	0.0651	
S 63 Diallate	86				0		0.1250	0.1502	
136 Octachlorostyrene	308	9.726	9.732	-0.006	83	2501	0.1250	0.1359	
137 Isodrin	193	9.769	9.769	0.000	81	5110	0.1250	0.1912	
138 Fluoranthene	202	9.903	9.914	-0.011	97	29773	0.1250	0.1369	
139 Benzidine	184	10.036	10.047	-0.011	99	31356	0.3750	0.2252	
* 140 Pyrene-d10 (IS)	212	10.106	10.106	0.000	99	942081	5.00	5.00	
141 Pyrene	202	10.122	10.127	-0.005	93	30579	0.1250	0.1308	
$ 142 p-Terphenyl-d14	244	10.283	10.288	-0.005	99	38162	0.2500	0.2406	
143 p-Dimethylamino azobenzene	225	10.422	10.427	-0.005	90	4899	0.1250	0.1304	
144 Chlorobenzilate	139	10.475	10.480	-0.005	76	9457	0.1250	0.1310	
145 3,3'-Dimethylbenzidine	212	10.764	10.780	-0.016	92	9005	0.1250	0.0754	
146 Butyl benzyl phthalate	149	10.796	10.807	-0.011	89	9104	0.1250	0.0880	
147 2-Acetylaminofluorene	181	11.037	11.047	-0.010	91	7245	0.1250	0.0931	
148 3,3'-Dichlorobenzidine	252	11.374	11.384	-0.010	53	6410	0.1250	0.0840	
150 4,4'-Methylene bis(2-chloroani	231	11.379	11.395	-0.016	65	4243	0.1250	0.1085	
149 Benzo[a]anthracene	228	11.395	11.400	-0.005	96	22311	0.1250	0.1156	
151 Chrysene	228	11.432	11.443	-0.011	98	24541	0.1250	0.1269	
152 Bis(2-ethylhexyl) phthalate	149	11.470	11.481	-0.011	93	14453	0.1250	0.1016	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 6-Methylchrysene	242	11.999	12.010	-0.011	96	18295	0.1250	0.1326	
154 Di-n-octyl phthalate	149	12.336	12.342	-0.006	96	21533	0.1250	0.1018	
156 7,12-Dimethylbenz(a)anthracene	256	12.786	12.796	-0.010	73	11938	0.1250	0.1377	
155 Benzo[b]fluoranthene	252	12.786	12.796	-0.010	94	21471	0.1250	0.1161	
157 Benzo[k]fluoranthene	252	12.823	12.834	-0.011	91	22047	0.1250	0.1133	
158 Benzo[a]pyrene	252	13.240	13.251	-0.011	76	21251	0.1250	0.1363	
* 159 Perylene-d12	264	13.326	13.331	-0.005	97	762442	5.00	5.00	
160 3-Methylcholanthrene	268	13.754	13.770	-0.016	46	10411	0.1250	0.1153	
161 Dibenz[a,h]acridine	279	14.567	14.578	-0.011	19	15021	0.1250	0.1210	
162 Dibenz[a,j]acridine	279	14.636	14.652	-0.016	43	15671	0.1250	0.1037	
163 Indeno[1,2,3-cd]pyrene	276	14.914	14.925	-0.011	95	15951	0.1250	0.1155	M
164 Dibenz(a,h)anthracene	278	14.973	14.979	-0.006	1	16033	0.1250	0.1013	M
165 Benzo[g,h,i]perylene	276	15.321	15.332	-0.011	80	19398	0.1250	0.1161	
S 166 Isosafrole	162				0		0.1250	0.1552	

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_00027 Amount Added: 1.00 Units: mL

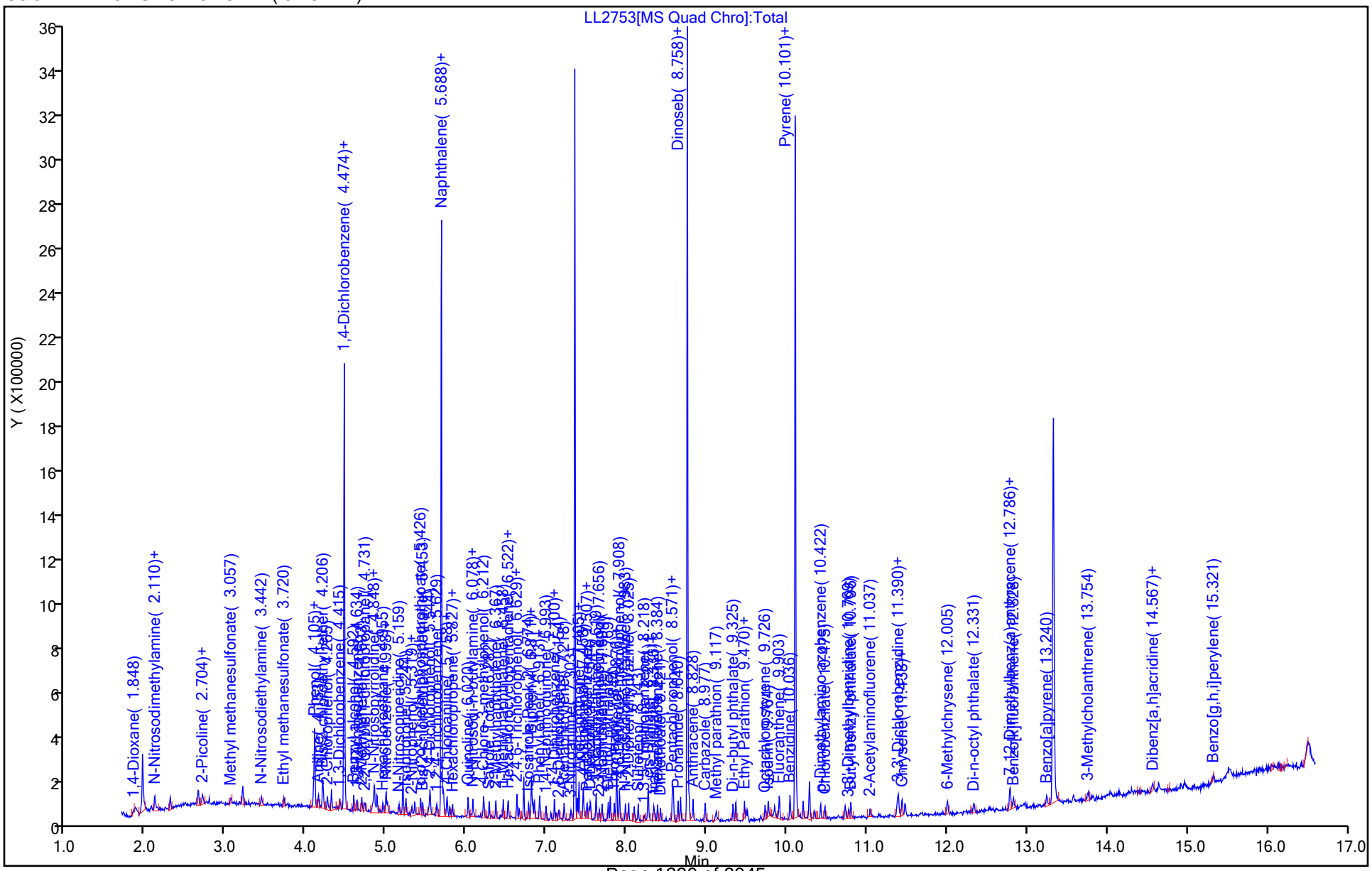
Report Date: 29-Dec-2022 14:38:59 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2753.D

Injection Date:	27-Dec-2022 19:29:06	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	IC L1			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

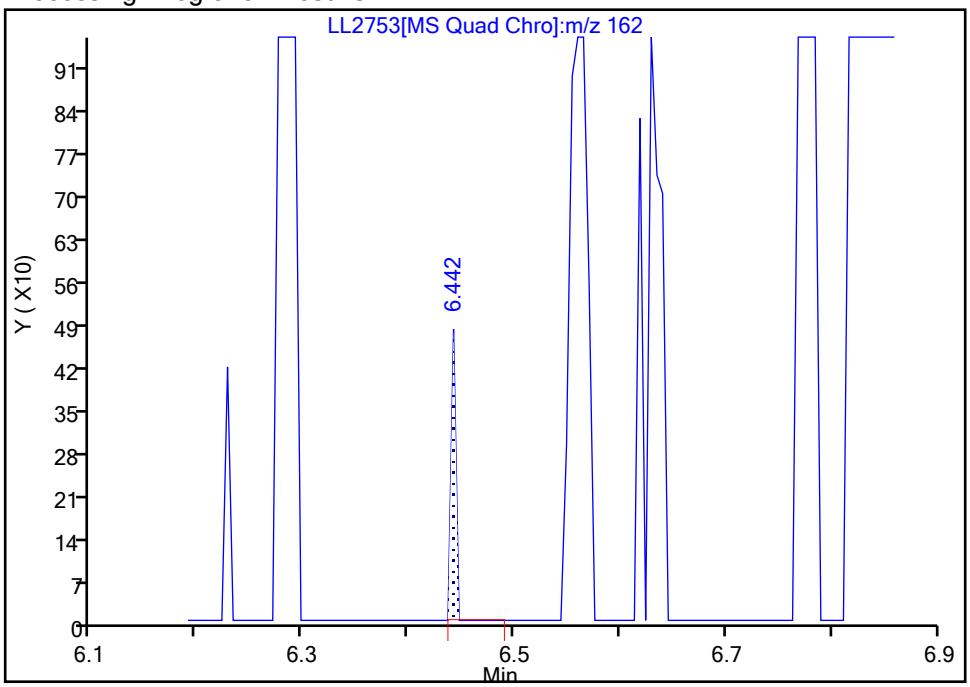
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2753.D				
Injection Date:	27-Dec-2022 19:29:06	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

73 Isosafrole Peak 1, CAS: 120-58-1

Signal: 1

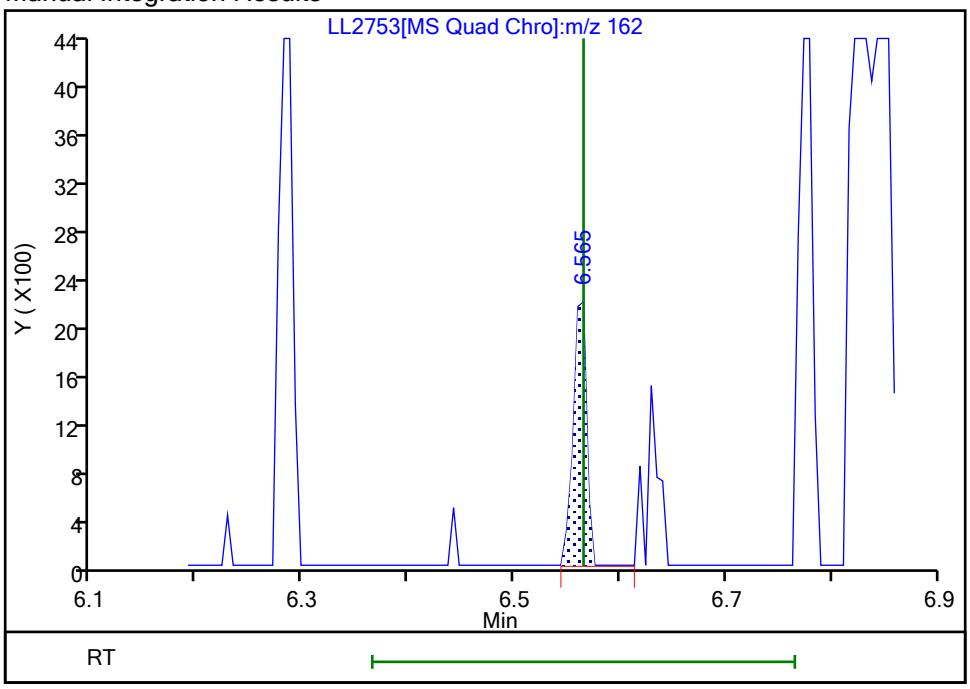
Processing Integration Results

RT: 6.44
Area: 153
Amount: 0.003528
Amount Units: ug/ml



Manual Integration Results

RT: 6.57
Area: 1943
Amount: 0.036041
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 14:38:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

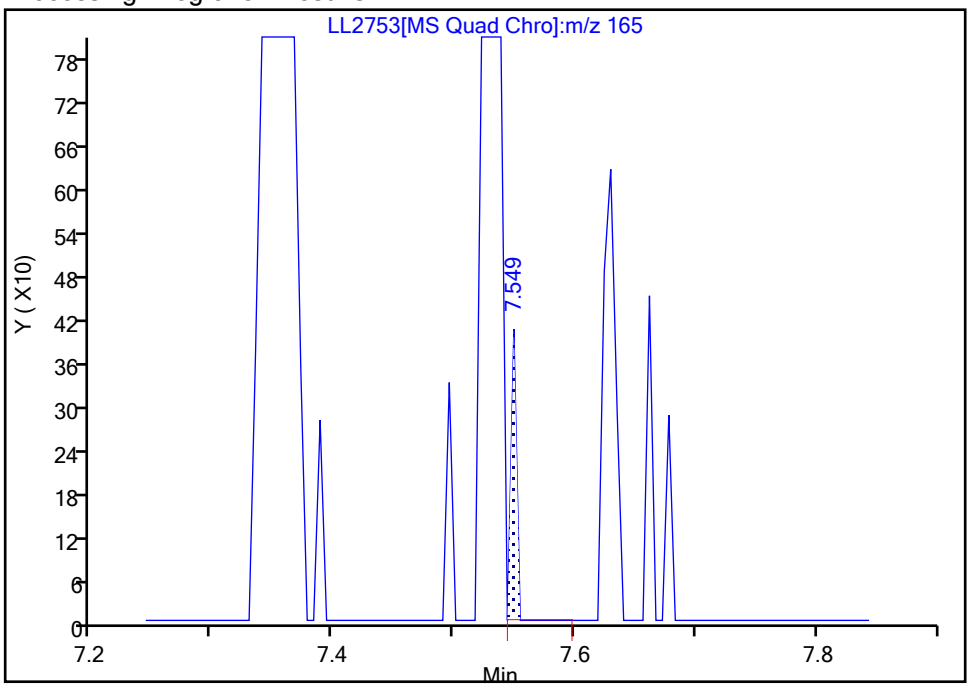
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2753.D
Injection Date: 27-Dec-2022 19:29:06 Instrument ID: HP20296
Lims ID: IC L1
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

99 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

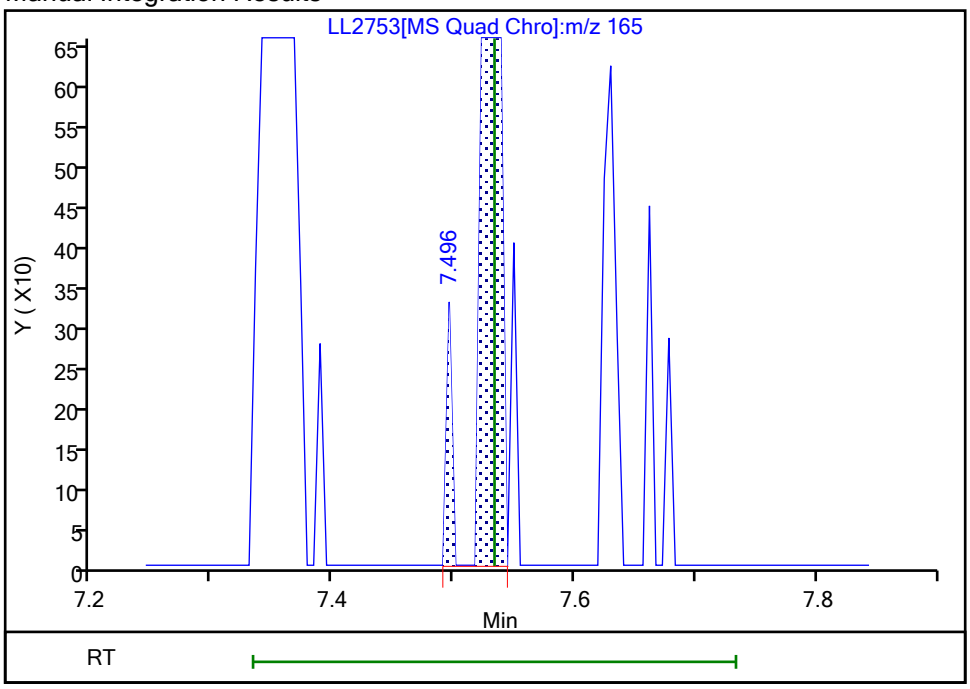
Processing Integration Results

RT: 7.55
Area: 129
Amount: 0.004510
Amount Units: ug/ml



Manual Integration Results

RT: 7.50
Area: 4256
Amount: 0.101769
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 14:38:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

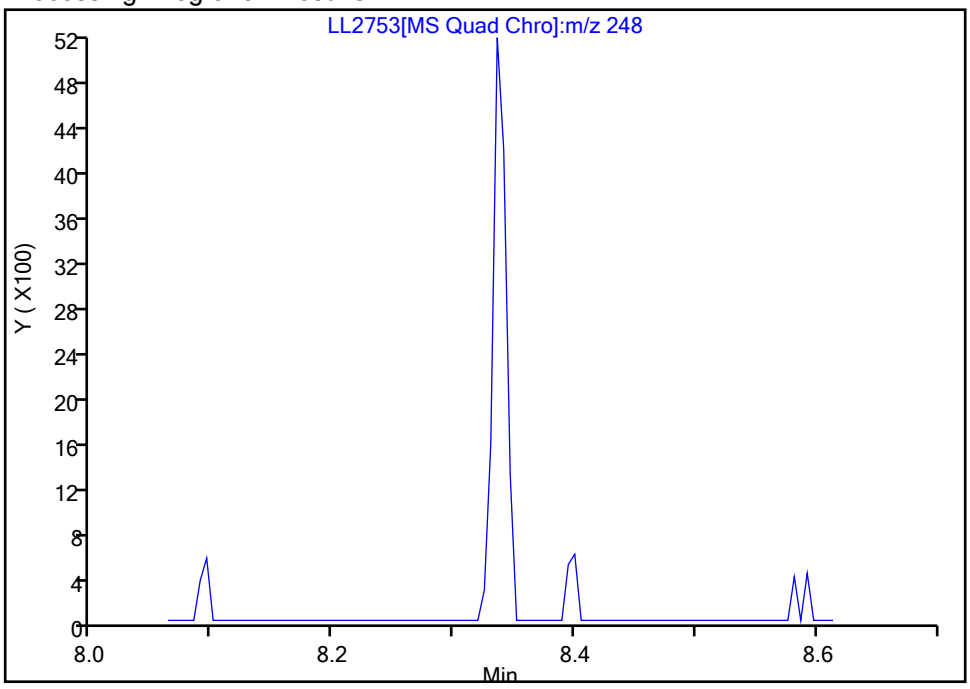
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2753.D
Injection Date: 27-Dec-2022 19:29:06 Instrument ID: HP20296
Lims ID: IC L1
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

118 4-Bromophenyl phenyl ether, CAS: 101-55-3

Signal: 1

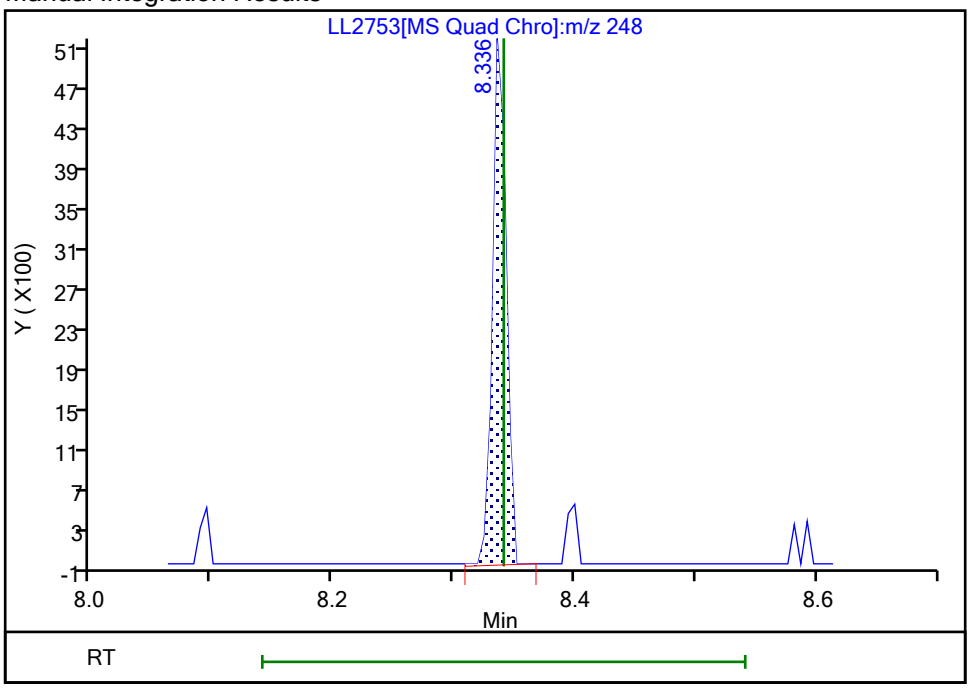
Not Detected
Expected RT: 8.34

Processing Integration Results



RT: 8.34
Area: 4012
Amount: 0.103468
Amount Units: ug/ml

Manual Integration Results



Reviewer: P7EB, 28-Dec-2022 14:39:02
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

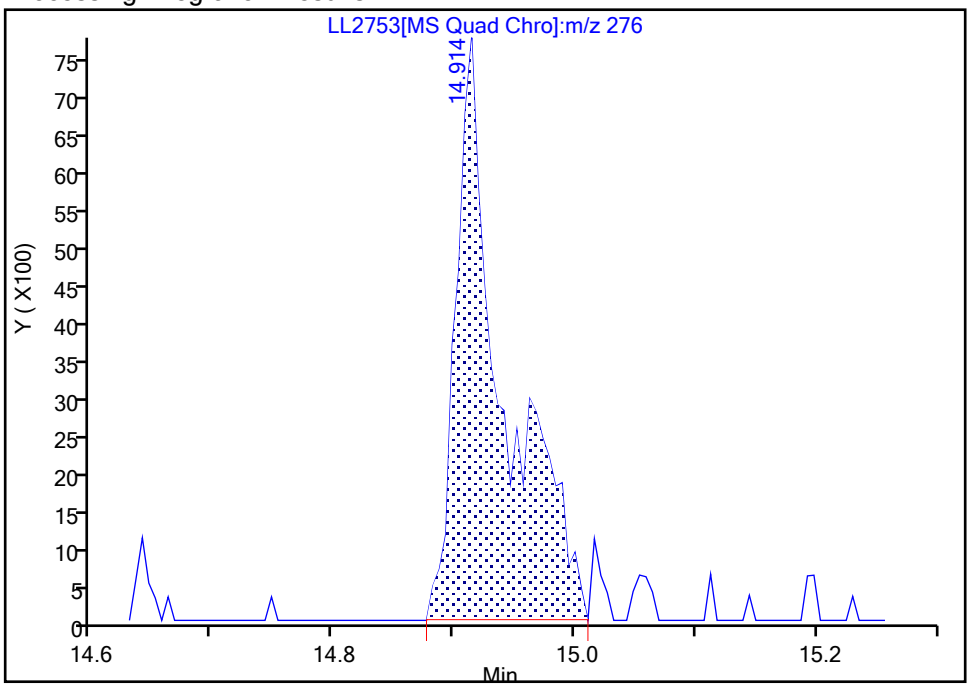
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2753.D				
Injection Date:	27-Dec-2022 19:29:06	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

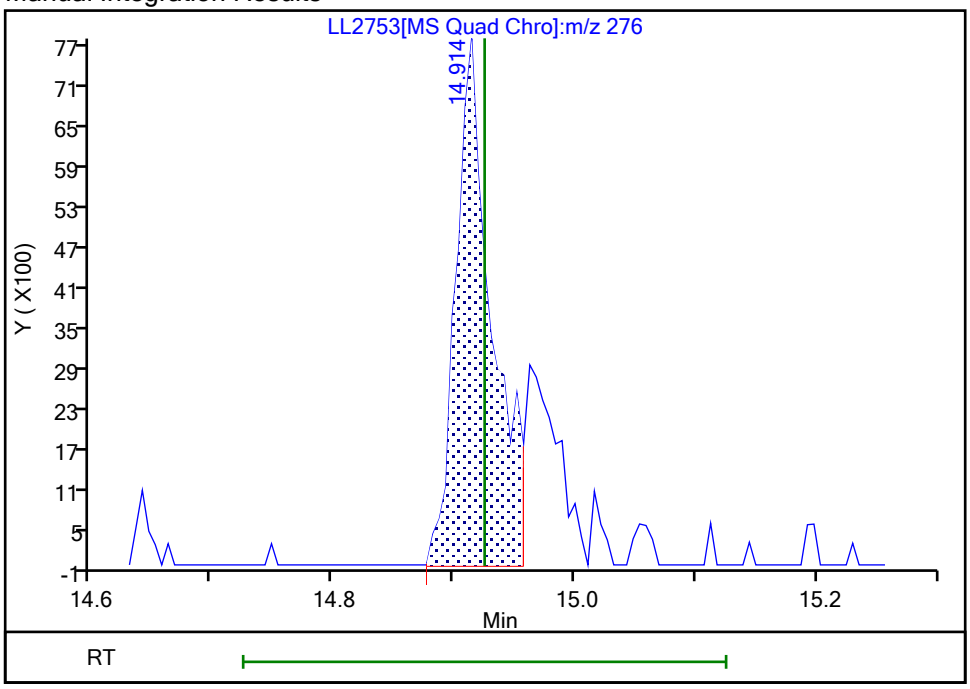
Processing Integration Results

RT: 14.91
Area: 21332
Amount: 0.182143
Amount Units: ug/ml



Manual Integration Results

RT: 14.91
Area: 15951
Amount: 0.115526
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 15:12:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

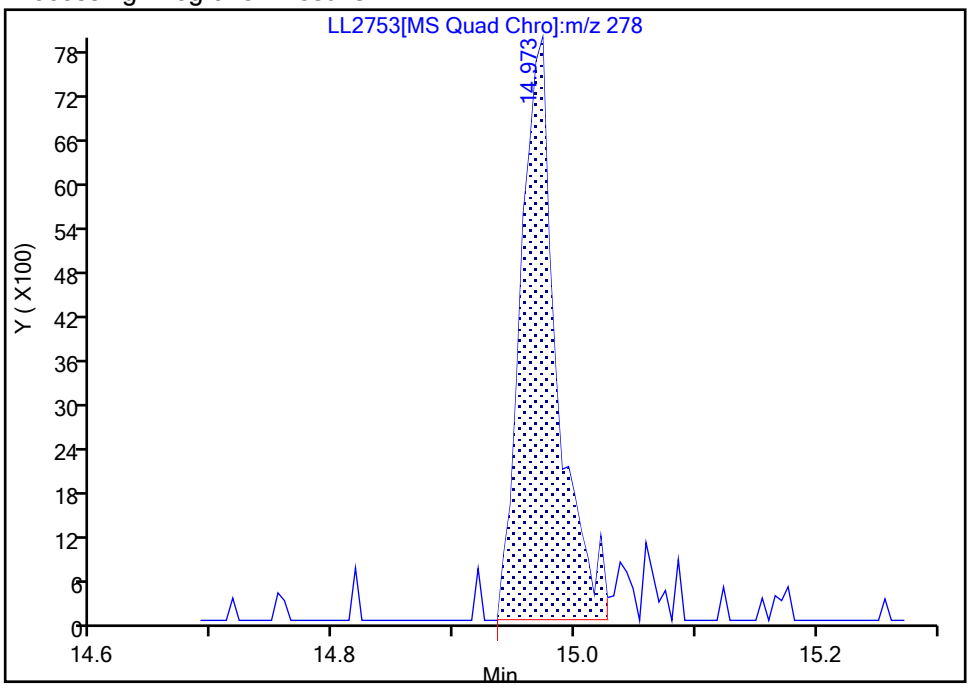
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2753.D				
Injection Date:	27-Dec-2022 19:29:06	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

164 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

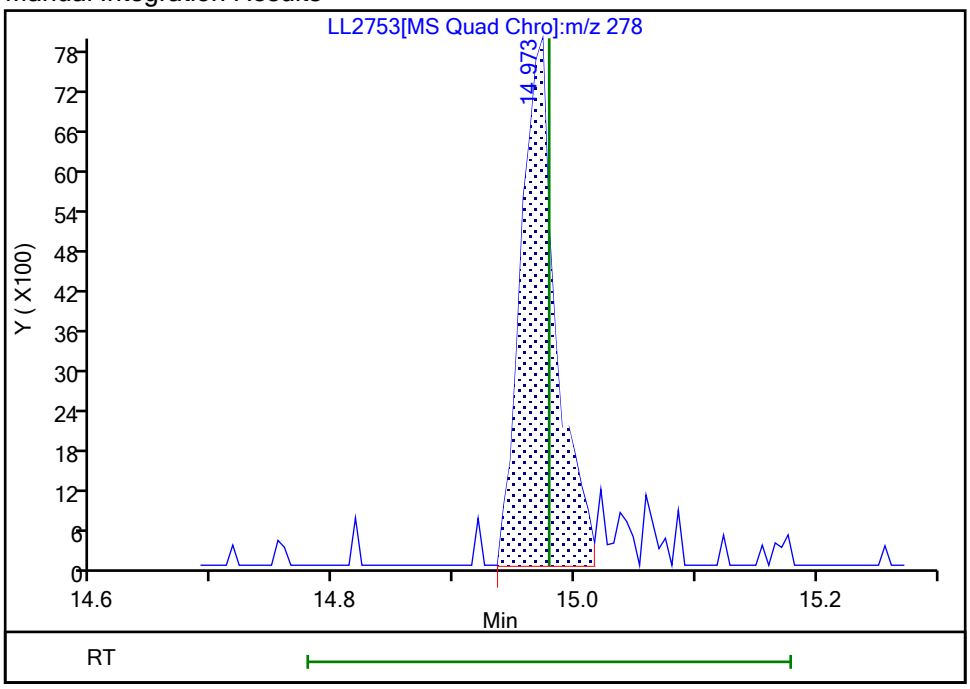
Processing Integration Results

RT: 14.97
Area: 16500
Amount: 0.169177
Amount Units: ug/ml



Manual Integration Results

RT: 14.97
Area: 16033
Amount: 0.101283
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 14:51:30

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

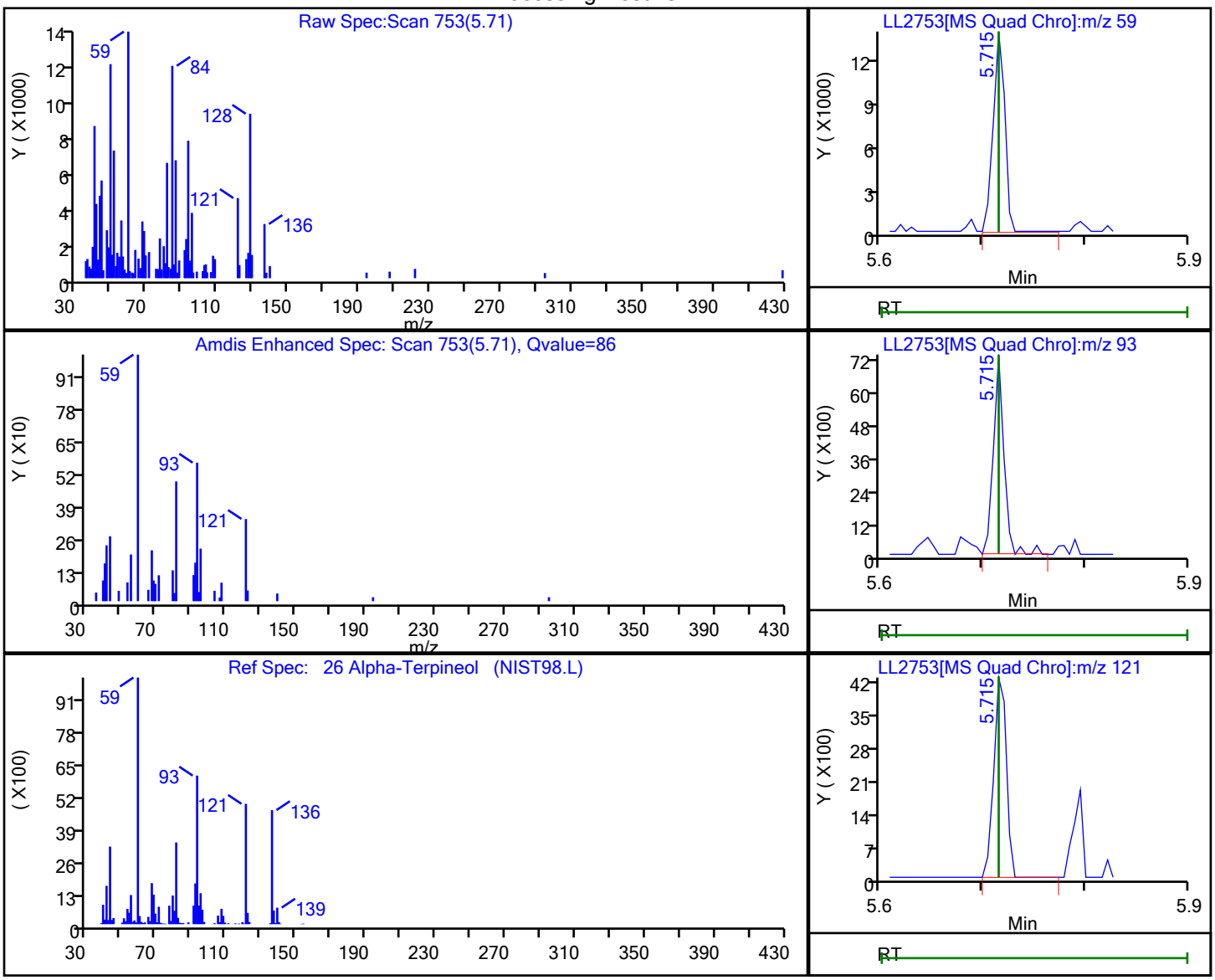
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2753.D				
Injection Date:	27-Dec-2022 19:29:06	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

26 Alpha-Terpineol, CAS: 98-55-5

Processing Results



RT	Mass	Response	Amount
5.71	59.00	10368	0.118136
5.71	93.00	5336	
5.71	121.00	3663	
5.76	136.00	280	

Reviewer: P7EB, 28-Dec-2022 14:38:05

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

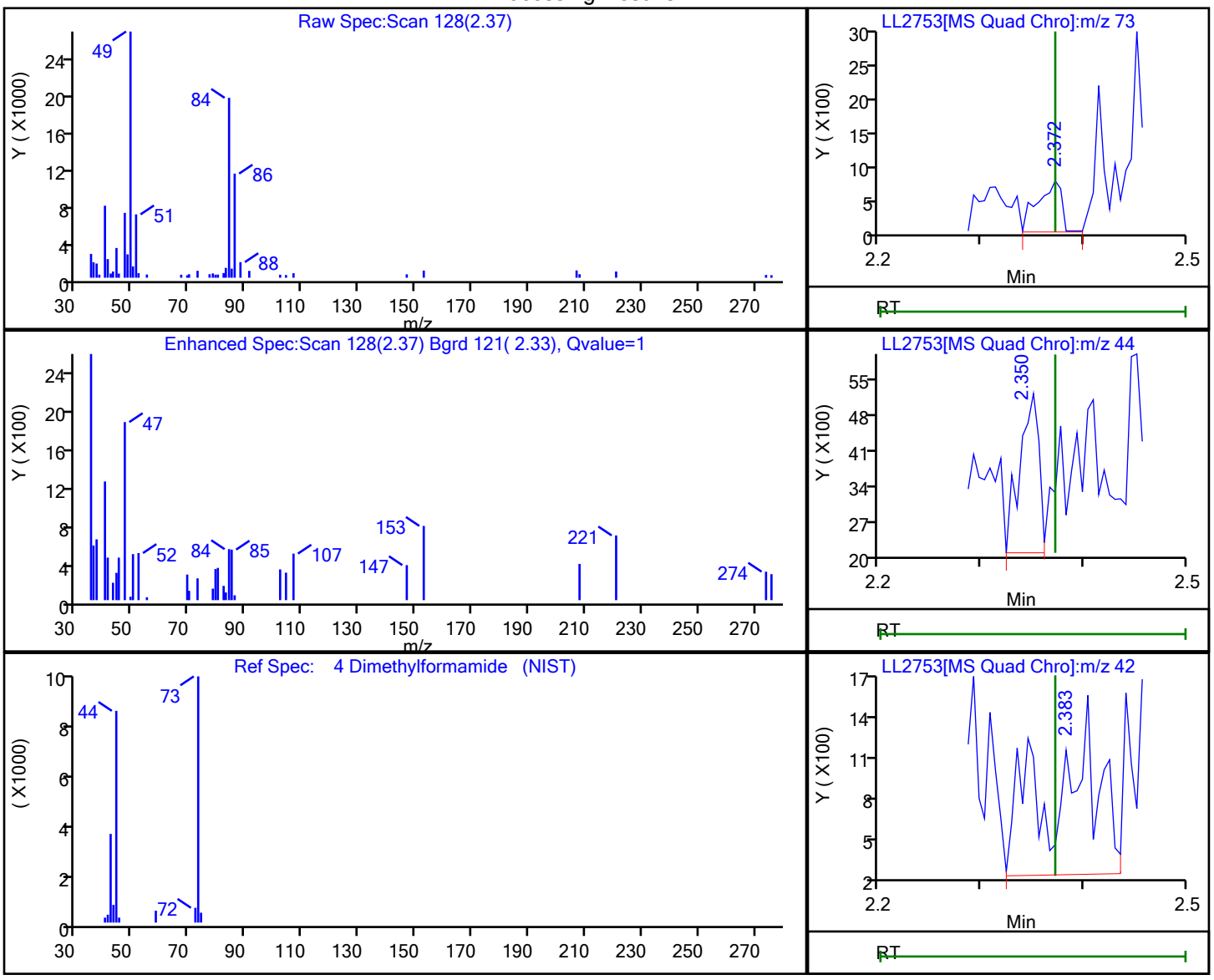
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2753.D				
Injection Date:	27-Dec-2022 19:29:06	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Processing Results



RT	Mass	Response	Amount
2.37	73.00	1193	0.021006
2.35	44.00	4051	
2.38	42.00	3804	

Reviewer: P7EB, 28-Dec-2022 14:37:49

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

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2754.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Dec-2022 19:50:17 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0074050-005
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub27

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:39:05 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 28-Dec-2022 14:34:07

	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	1.831	1.821	0.010	90	8770	0.2500	0.2591	
	2 N-Nitrosodimethylamine	74	2.061	2.046	0.015	94	13384	0.2500	0.2300	
	3 Pyridine	79	2.104	2.088	0.016	94	45059	0.5000	0.4868	
	4 Dimethylformamide	73	2.431	2.372	0.058	78	15778	0.2500	0.2472	
	5 2-Picoline	93	2.703	2.693	0.010	91	23890	0.2500	0.2553	
	6 N-Nitrosomethylethylamine	88	2.789	2.778	0.011	50	22218	0.2500	0.4985	
	9 Methyl methanesulfonate	80	3.056	3.051	0.005	85	13368	0.2500	0.2447	
$	10 2-Fluorophenol	112	3.206	3.206	0.000	94	29347	0.5000	0.4588	
	11 N-Nitrosodiethylamine	102	3.441	3.436	0.005	93	8830	0.2500	0.2249	
	13 Ethyl methanesulfonate	109	3.720	3.720	0.000	93	10610	0.2500	0.2565	
	15 Benzaldehyde	77	4.056	4.051	0.005	90	20032	0.2500	0.3175	
$	16 Phenol-d5	99	4.094	4.089	0.005	98	40344	0.5000	0.4111	
	17 Phenol	94	4.105	4.105	0.000	52	21504	0.2500	0.2116	
	18 Aniline	93	4.153	4.153	0.000	96	27970	0.2500	0.2194	
	19 Bis(2-chloroethyl)ether	93	4.212	4.212	0.000	96	20114	0.2500	0.2372	
	20 2-Chlorophenol	128	4.265	4.265	0.000	92	12685	0.2500	0.2228	
	22 1,3-Dichlorobenzene	146	4.415	4.415	0.000	79	13380	0.2500	0.2201	
*	24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	95	201016	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	91	14577	0.2500	0.2315	
	27 Benzyl alcohol	108	4.597	4.592	0.005	85	11602	0.2500	0.2286	
	29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	87	14703	0.2500	0.2472	
	31 2-Methylphenol	108	4.693	4.693	0.000	95	15241	0.2500	0.2283	
	32 2,2'-oxybis[1-chloropropane]	45	4.725	4.731	-0.006	91	27731	0.2500	0.2391	
	34 N-Nitrosopyrrolidine	100	4.821	4.827	-0.006	82	10714	0.2500	0.2368	
	36 4-Methylphenol	108	4.837	4.843	-0.006	94	14827	0.2500	0.2065	
	37 N-Nitrosodi-n-propylamine	70	4.848	4.854	-0.006	73	15548	0.2500	0.2143	
	35 Acetophenone	105	4.848	4.854	-0.006	84	25771	0.2500	0.2278	
	38 N-Nitrosomorpholine	56	4.864	4.864	0.000	87	14619	0.2500	0.2384	
	39 2-Toluidine	106	4.886	4.886	0.000	94	27235	0.2500	0.2201	
	40 Hexachloroethane	117	4.955	4.961	-0.006	86	6399	0.2500	0.2234	

Report Date: 29-Dec-2022 14:39:06 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2754.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	4.998	4.998	0.000	89	43044	0.5000	0.4464	
42 Nitrobenzene	77	5.014	5.014	0.000	96	21217	0.2500	0.2204	
44 N-Nitrosopiperidine	114	5.158	5.159	-0.001	80	7452	0.2500	0.2114	
46 Isophorone	82	5.244	5.244	0.000	98	37609	0.2500	0.2095	
47 2-Nitrophenol	139	5.319	5.319	0.000	92	7138	0.2500	0.2603	
48 2,4-Dimethylphenol	107	5.351	5.356	-0.005	95	15280	0.2500	0.2060	
49 o,o',o''-Triethylphosphorothioat	198	5.426	5.426	0.000	92	7950	0.2500	0.2665	
51 Bis(2-chloroethoxy)methane	93	5.452	5.453	-0.001	93	22471	0.2500	0.2168	
52 2,4-Dichlorophenol	162	5.543	5.544	-0.001	57	9265	0.2500	0.2048	
54 1,2,4-Trichlorobenzene	180	5.629	5.629	0.000	91	12323	0.2500	0.2452	
* 55 Naphthalene-d8	136	5.688	5.688	0.000	99	820272	5.00	5.00	
56 Naphthalene	128	5.709	5.709	0.000	96	38911	0.2500	0.2210	
26 Alpha-Terpineol	59	5.715	5.715	0.000	89	19857	0.2500	0.2515	
57 4-Chloroaniline	127	5.752	5.758	-0.006	89	15642	0.2500	0.2053	
58 2,6-Dichlorophenol	162	5.763	5.763	0.000	89	10653	0.2500	0.2332	
59 Hexachloropropene	213	5.789	5.795	-0.006	90	9304	0.2500	0.2712	
60 Hexachlorobutadiene	225	5.827	5.827	0.000	92	6464	0.2500	0.2259	
62 Quinoline	129	6.019	6.020	-0.001	92	30947	0.2500	0.2543	
64 Caprolactam	113	6.052	6.062	-0.010	77	4518	0.2500	0.2131	
65 N-Nitrosodi-n-butylamine	84	6.078	6.079	-0.001	95	20606	0.2500	0.2646	
33 p-Phenylene diamine	108	6.089	6.089	0.000	83	12325	0.2500	0.1642	
66 4-Chloro-3-methylphenol	107	6.212	6.212	0.000	92	13514	0.2500	0.2038	
67 Safrole, Total	162	6.287	6.287	0.000	73	10448	0.2500	0.2386	
69 2-Methylnaphthalene	142	6.367	6.367	0.000	92	25753	0.2500	0.2448	
70 1-Methylnaphthalene	142	6.458	6.458	0.000	95	26514	0.2500	0.2437	
71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	93	8193	0.2500	0.2133	
72 1,2,4,5-Tetrachlorobenzene	216	6.522	6.522	0.000	95	12414	0.2500	0.2322	
73 Isosafrole Peak 1	162	6.565	6.565	0.000	56	2008	0.0400	0.0388	
74 2,4,6-Trichlorophenol	196	6.629	6.629	0.000	78	6518	0.2500	0.1932	
75 2,4,5-Trichlorophenol	196	6.661	6.662	-0.001	86	7671	0.2500	0.2026	
$ 76 2-Fluorobiphenyl (Surr)	172	6.715	6.715	0.000	98	65232	0.5000	0.4894	
77 Isosafrole Peak 2	162	6.774	6.779	-0.005	80	11735	0.2100	0.1990	
79 1,1'-Biphenyl	154	6.811	6.811	0.000	95	34360	0.2500	0.2304	
80 2-Chloronaphthalene	162	6.827	6.827	0.000	93	27278	0.2500	0.2368	
81 1-Chloronaphthalene	162	6.848	6.849	-0.001	92	26082	0.2500	0.2343	
82 Phenyl ether	170	6.913	6.913	0.000	85	16836	0.2500	0.2194	
83 2-Nitroaniline	138	6.918	6.924	-0.006	70	7066	0.2500	0.1906	
84 1,4-Naphthoquinone	158	6.993	6.993	0.000	79	10006	0.2500	0.2170	
85 1,4-Dinitrobenzene	168	7.052	7.057	-0.005	83	3445	0.2500	0.2028	
86 Dimethyl phthalate	163	7.100	7.100	0.000	96	31813	0.2500	0.2332	
87 1,3-Dinitrobenzene	168	7.121	7.122	-0.001	77	4260	0.2500	0.2190	
88 2,6-Dinitrotoluene	165	7.153	7.154	-0.001	73	5975	0.2500	0.2101	
90 Acenaphthylene	152	7.218	7.223	-0.005	97	40733	0.2500	0.2306	
91 3-Nitroaniline	138	7.303	7.309	-0.006	84	5516	0.2500	0.1644	
* 92 Acenaphthene-d10	164	7.351	7.352	-0.001	93	491478	5.00	5.00	
93 Acenaphthene	153	7.383	7.384	-0.001	93	26617	0.2500	0.2209	
94 2,4-Dinitrophenol	184	7.405	7.410	-0.005	72	24046	2.50	1.61	
96 4-Nitrophenol	109	7.458	7.458	0.000	89	28736	1.50	1.28	
98 Pentachlorobenzene	250	7.506	7.507	-0.001	92	12342	0.2500	0.2395	
99 2,4-Dinitrotoluene	165	7.528	7.533	-0.005	78	5488	0.2500	0.1368	
100 Dibenzofuran	168	7.549	7.549	0.000	97	39530	0.2500	0.2332	
101 1-Naphthylamine	143	7.619	7.624	-0.005	98	28550	0.2500	0.2330	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.661	7.662	-0.001	81	6290	0.2500	0.2007	
103 2-Naphthylamine	143	7.694	7.694	0.000	94	31954	0.2500	0.2408	
104 Diethyl phthalate	149	7.768	7.774	-0.006	96	30789	0.2500	0.2229	
106 Thionazin	107	7.843	7.849	-0.006	77	7147	0.2500	0.2384	
105 Fluorene	166	7.870	7.876	-0.006	89	31521	0.2500	0.2311	
107 N-Nitro-o-toluidine	152	7.875	7.881	-0.006	65	8343	0.2500	0.2147	
109 4-Nitroaniline	138	7.881	7.881	0.000	70	6327	0.2500	0.1785	M
108 4-Chlorophenyl phenyl ether	204	7.875	7.881	-0.006	80	15868	0.2500	0.2496	
110 4,6-Dinitro-2-methylphenol	198	7.908	7.913	-0.005	64	21412	1.50	1.10	
111 N-Nitrosodiphenylamine	169	7.982	7.988	-0.006	95	20003	0.2125	0.1788	
112 1,2-Diphenylhydrazine	77	8.025	8.025	0.000	99	49881	0.2500	0.2282	
$ 113 2,4,6-Tribromophenol	330	8.095	8.100	-0.005	91	8729	0.5000	0.4153	
114 Sulfotepp	97	8.143	8.148	-0.005	77	8040	0.2500	0.2370	
175 1,3,5-Trinitrobenzene	213	8.223	8.229	-0.006	79	2893	0.2500	0.2327	
115 cis-Diallate	86	8.261	8.266	-0.005	76	20849	0.1850	0.2153	
116 Phorate	75	8.271	8.271	0.000	92	30669	0.2500	0.2169	
117 Phenacetin	108	8.271	8.277	-0.006	63	17344	0.2500	0.1981	
118 4-Bromophenyl phenyl ether	248	8.335	8.341	-0.006	74	9534	0.2500	0.2560	M
119 trans-Diallate	86	8.346	8.352	-0.006	66	10268	0.0650	0.1091	
120 Hexachlorobenzene	284	8.384	8.389	-0.005	88	10510	0.2500	0.2326	
121 Dimethoate	87	8.421	8.427	-0.006	94	17397	0.2500	0.2088	
122 Atrazine	200	8.491	8.496	-0.006	79	8570	0.2500	0.2307	
123 Pentachlorophenol	266	8.571	8.576	-0.005	88	21776	1.25	0.9289	M
124 4-Aminobiphenyl	169	8.581	8.582	-0.001	91	34471	0.2500	0.2135	
125 Pentachloronitrobenzene	237	8.581	8.587	-0.006	48	4409	0.2500	0.2352	
126 Pronamide	173	8.640	8.646	-0.006	90	13218	0.2500	0.2097	
128 Dinoseb	211	8.753	8.758	-0.005	60	4335	0.2500	0.2129	M
* 127 Phenanthrene-d10	188	8.758	8.758	0.000	96	943645	5.00	5.00	
68 Disulfoton	88	8.769	8.769	0.000	93	48167	0.2500	0.3158	
129 Phenanthrene	178	8.779	8.785	-0.006	97	47330	0.2500	0.2318	
130 Anthracene	178	8.827	8.833	-0.006	97	46706	0.2500	0.2293	
S 53 Dinitrotoluene	165				0			0.3468	
131 Carbazole	167	8.977	8.983	-0.006	95	41861	0.2500	0.2249	
132 Methyl parathion	109	9.116	9.122	-0.006	87	10658	0.2500	0.1914	
133 Di-n-butyl phthalate	149	9.325	9.330	-0.005	99	46585	0.2500	0.2097	
134 Ethyl Parathion	109	9.491	9.496	-0.005	80	7429	0.2500	0.2170	
135 4-Nitroquinoline-1-oxide	190	9.512	9.512	0.000	73	2514	0.2500	0.1356	
S 63 Diallate	86				0		0.2500	0.3244	
136 Octachlorostyrene	308	9.726	9.732	-0.006	83	3732	0.2500	0.2111	
137 Isodrin	193	9.769	9.769	0.000	86	8299	0.2500	0.3232	
138 Fluoranthene	202	9.908	9.914	-0.006	97	47806	0.2500	0.2289	
139 Benzidine	184	10.036	10.047	-0.011	98	62550	0.7500	0.4736	
* 140 Pyrene-d10 (IS)	212	10.100	10.106	-0.006	99	893770	5.00	5.00	
141 Pyrene	202	10.122	10.127	-0.005	97	57080	0.2500	0.2573	
$ 142 p-Terphenyl-d14	244	10.282	10.288	-0.006	98	75435	0.5000	0.5013	
143 p-Dimethylamino azobenzene	225	10.421	10.427	-0.006	91	6771	0.2500	0.1900	
144 Chlorobenzilate	139	10.475	10.480	-0.005	85	14397	0.2500	0.2103	
145 3,3'-Dimethylbenzidine	212	10.769	10.780	-0.011	97	18171	0.2500	0.1603	
146 Butyl benzyl phthalate	149	10.796	10.807	-0.011	89	15788	0.2500	0.1609	
147 2-Acetylaminofluorene	181	11.036	11.047	-0.011	88	11319	0.2500	0.1534	
148 3,3'-Dichlorobenzidine	252	11.373	11.384	-0.011	76	14461	0.2500	0.1998	
150 4,4'-Methylene bis(2-chloroani	231	11.384	11.395	-0.011	66	7997	0.2500	0.2155	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.395	11.400	-0.005	97	39669	0.2500	0.2167	
151 Chrysene	228	11.432	11.443	-0.011	96	40310	0.2500	0.2196	
152 Bis(2-ethylhexyl) phthalate	149	11.475	11.481	-0.006	91	23030	0.2500	0.1707	
153 6-Methylchrysene	242	11.999	12.010	-0.011	98	32011	0.2500	0.2445	
154 Di-n-octyl phthalate	149	12.331	12.342	-0.011	98	32559	0.2500	0.1589	
156 7,12-Dimethylbenz(a)anthracene	256	12.785	12.796	-0.011	73	17579	0.2500	0.2095	
155 Benzo[b]fluoranthene	252	12.785	12.796	-0.011	97	36928	0.2500	0.2063	
157 Benzo[k]fluoranthene	252	12.823	12.834	-0.011	96	42487	0.2500	0.2254	
158 Benzo[a]pyrene	252	13.235	13.251	-0.016	82	28043	0.2500	0.1857	
* 159 Perylene-d12	264	13.326	13.331	-0.005	96	738344	5.00	5.00	
160 3-Methylcholanthrene	268	13.759	13.770	-0.011	95	19984	0.2500	0.2286	
161 Dibenz[a,h]acridine	279	14.561	14.578	-0.017	90	23728	0.2500	0.1973	
162 Dibenz[a,j]acridine	279	14.641	14.652	-0.011	94	31120	0.2500	0.2127	
163 Indeno[1,2,3-cd]pyrene	276	14.914	14.925	-0.011	94	26895	0.2500	0.2011	M
164 Dibenz(a,h)anthracene	278	14.962	14.979	-0.017	46	33038	0.2500	0.2155	M
165 Benzo[g,h,i]perylene	276	15.315	15.332	-0.017	95	37519	0.2500	0.2319	
S 166 Isosafrole	162				0		0.2500	0.2378	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_2_00028 Amount Added: 1.00 Units: mL

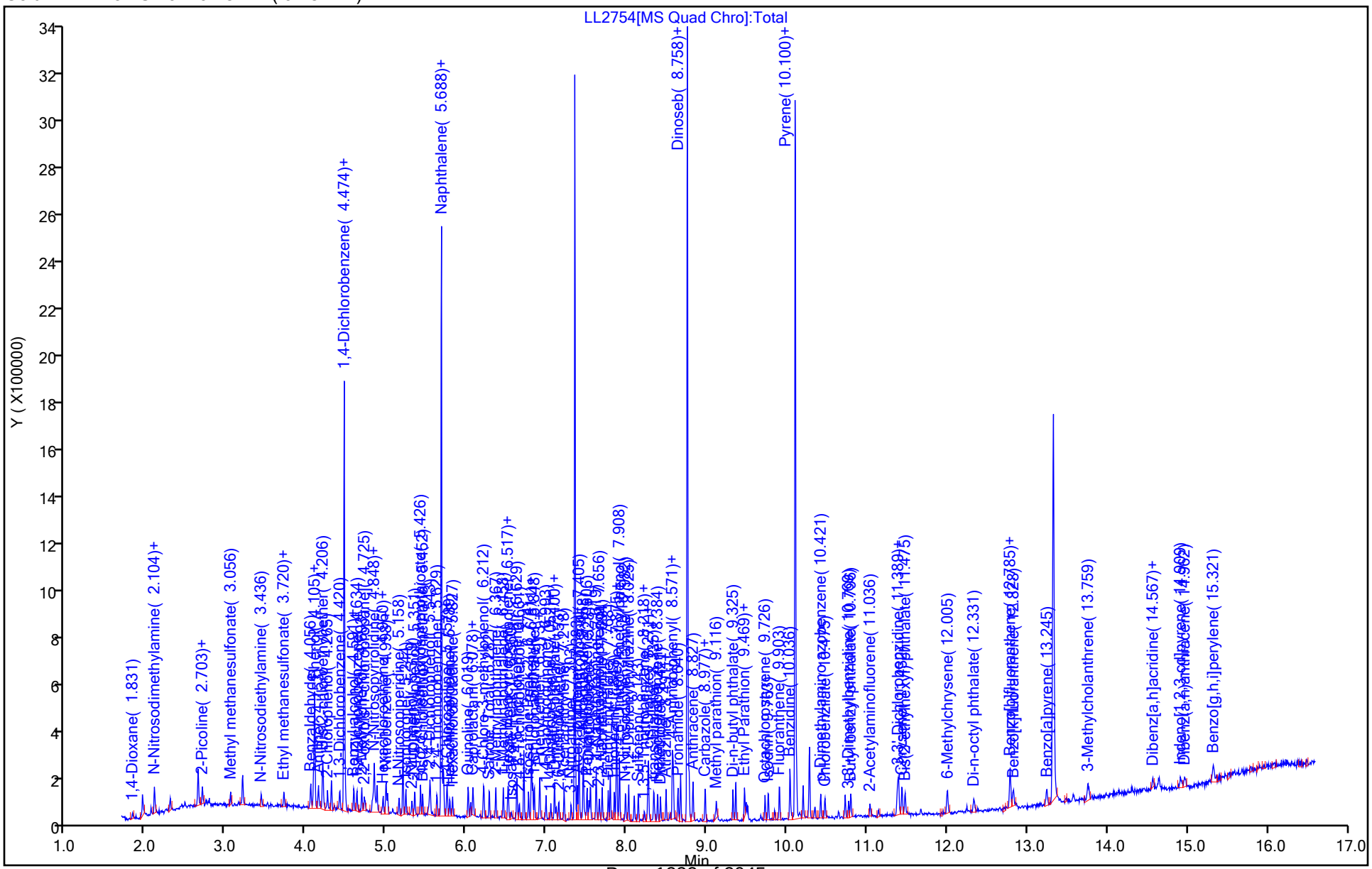
Report Date: 29-Dec-2022 14:39:06 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2754.D

Injection Date:	27-Dec-2022 19:50:17	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	IC L2			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

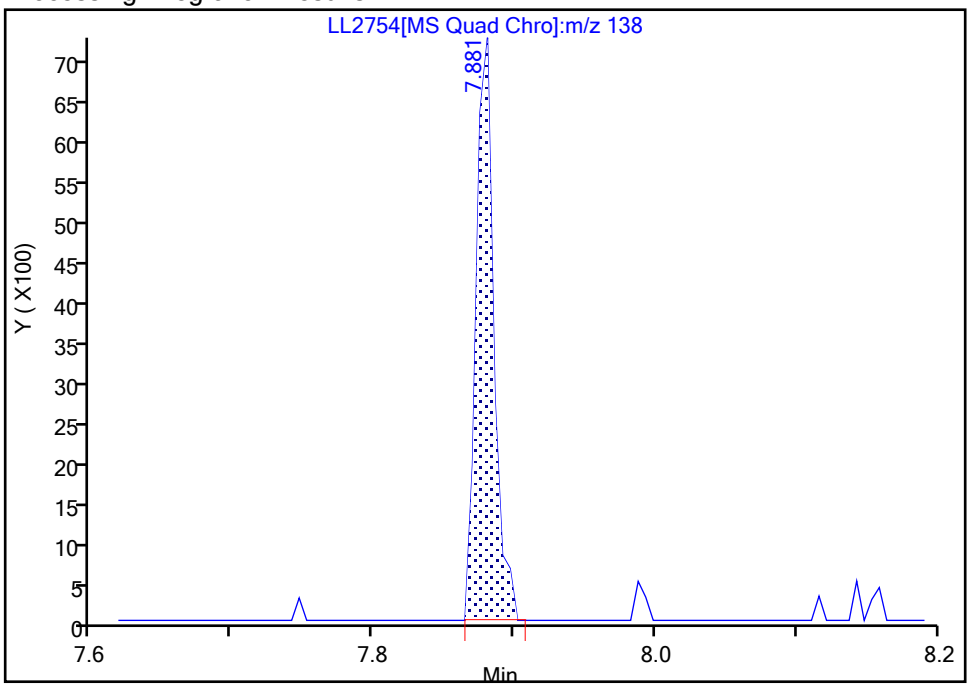
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2754.D				
Injection Date:	27-Dec-2022 19:50:17	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

109 4-Nitroaniline, CAS: 100-01-6

Signal: 1

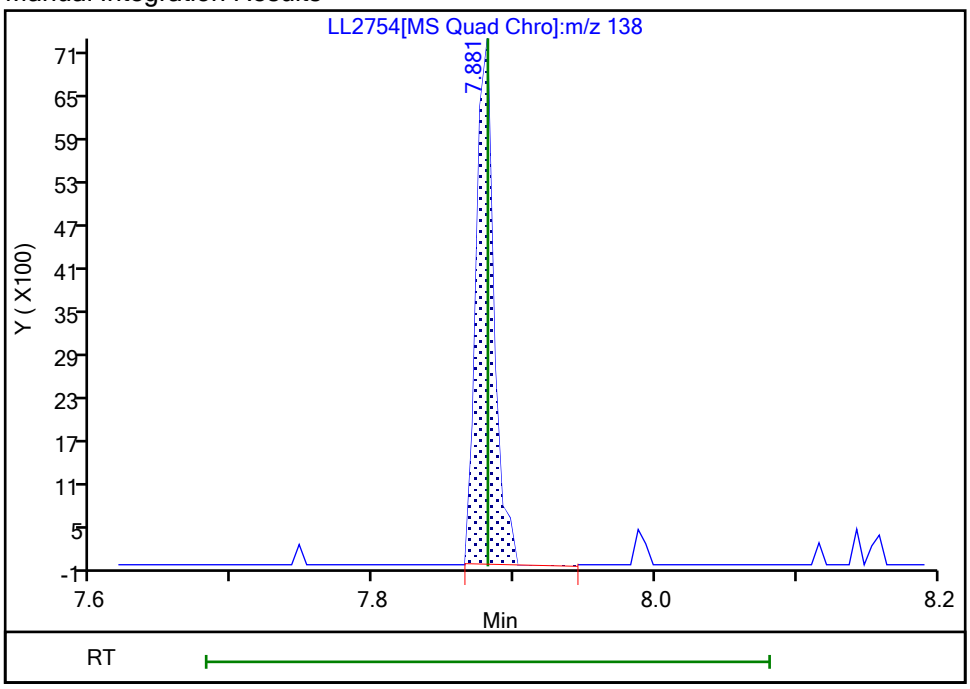
Processing Integration Results

RT: 7.88
Area: 6310
Amount: 0.255245
Amount Units: ug/ml



Manual Integration Results

RT: 7.88
Area: 6327
Amount: 0.178525
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 15:23:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

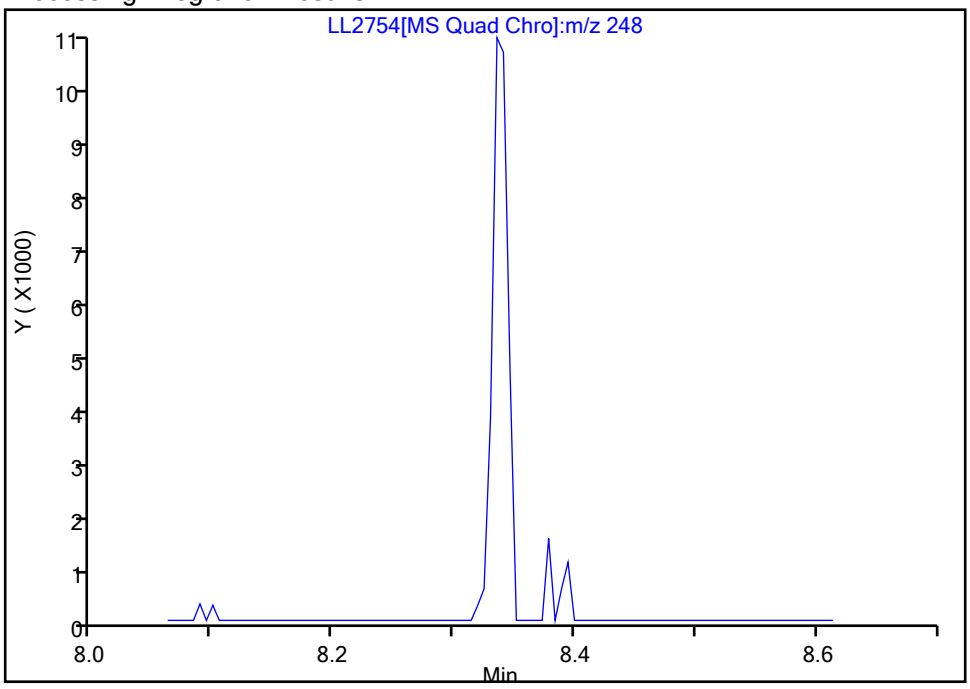
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2754.D
Injection Date: 27-Dec-2022 19:50:17 Instrument ID: HP20296
Lims ID: IC L2
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

118 4-Bromophenyl phenyl ether, CAS: 101-55-3

Signal: 1

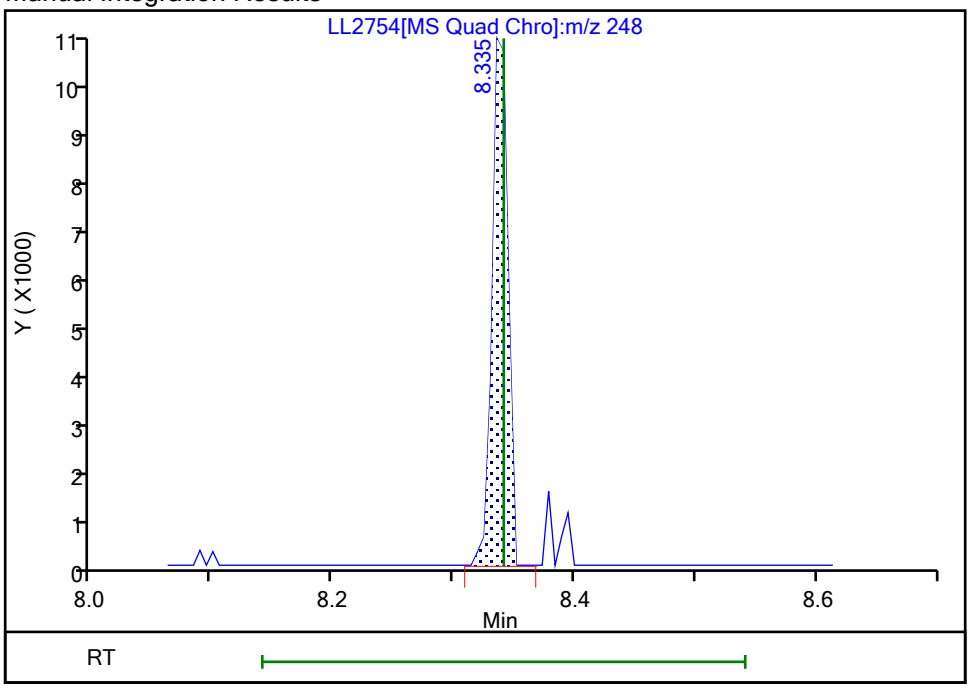
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.34
Area: 9534
Amount: 0.255973
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 14:40:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

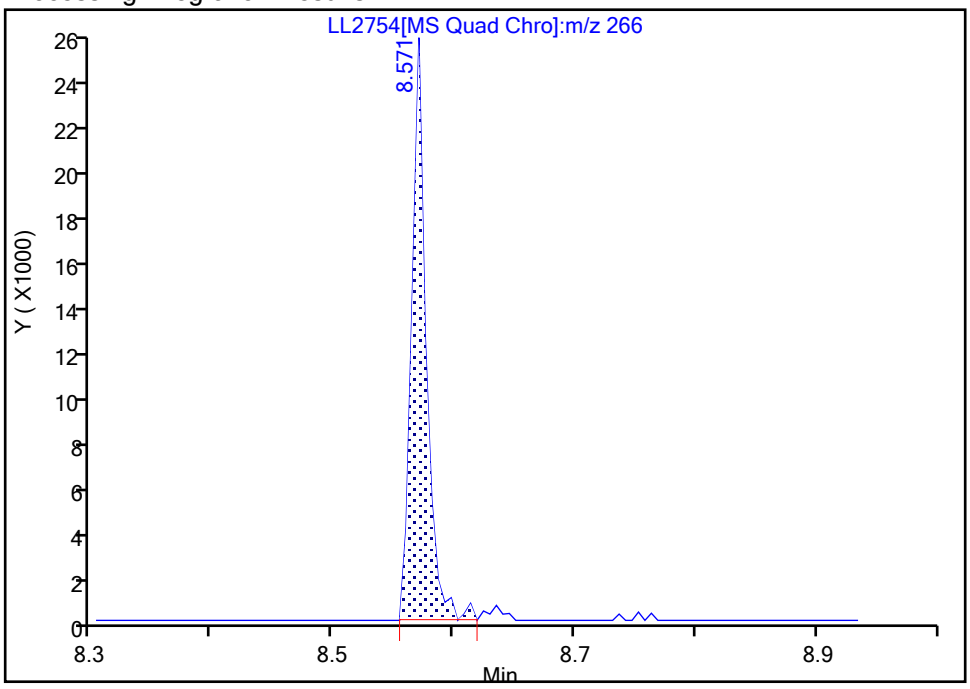
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2754.D				
Injection Date:	27-Dec-2022 19:50:17	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

123 Pentachlorophenol, CAS: 87-86-5

Signal: 1

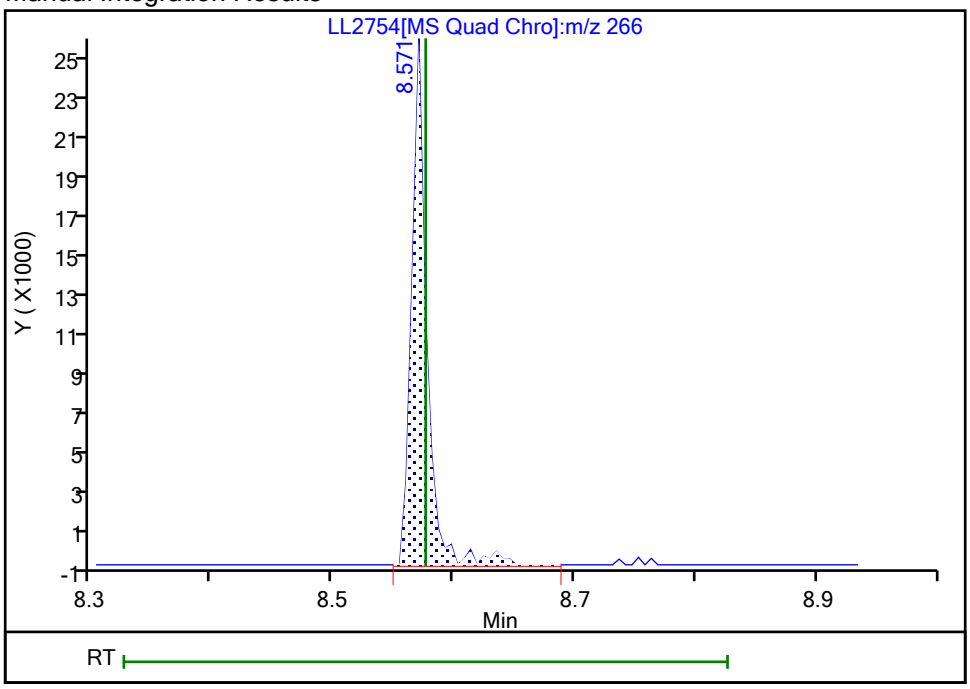
Processing Integration Results

RT: 8.57
Area: 20993
Amount: 1.307894
Amount Units: ug/ml



Manual Integration Results

RT: 8.57
Area: 21776
Amount: 0.928865
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 15:27:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

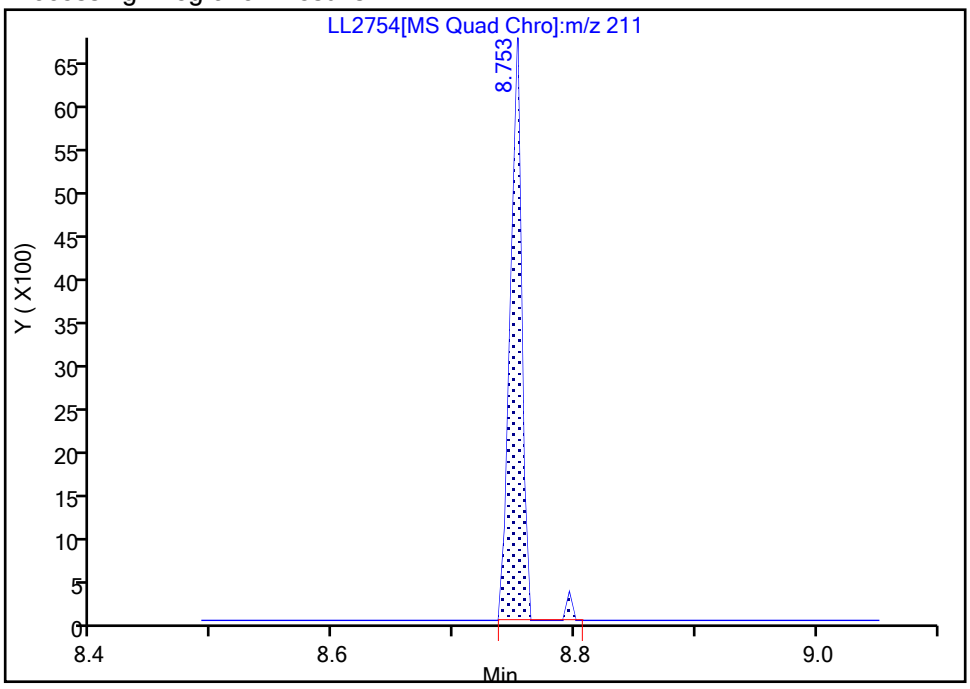
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2754.D				
Injection Date:	27-Dec-2022 19:50:17	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

128 Dinoseb, CAS: 88-85-7

Signal: 1

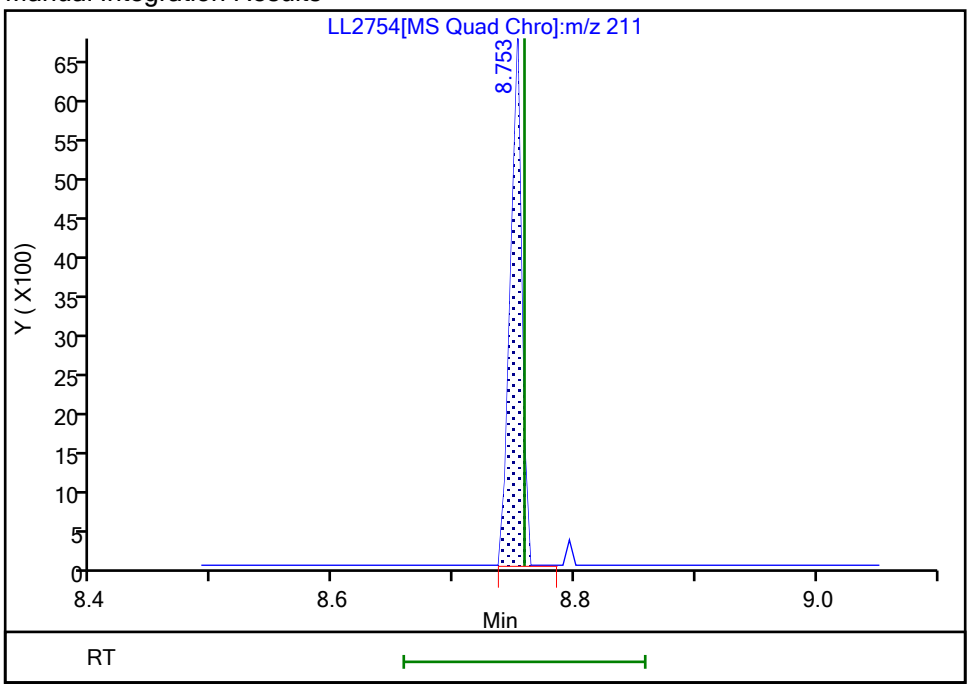
Processing Integration Results

RT: 8.75
Area: 4439
Amount: 0.215595
Amount Units: ug/ml



Manual Integration Results

RT: 8.75
Area: 4335
Amount: 0.212944
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 15:28:47
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

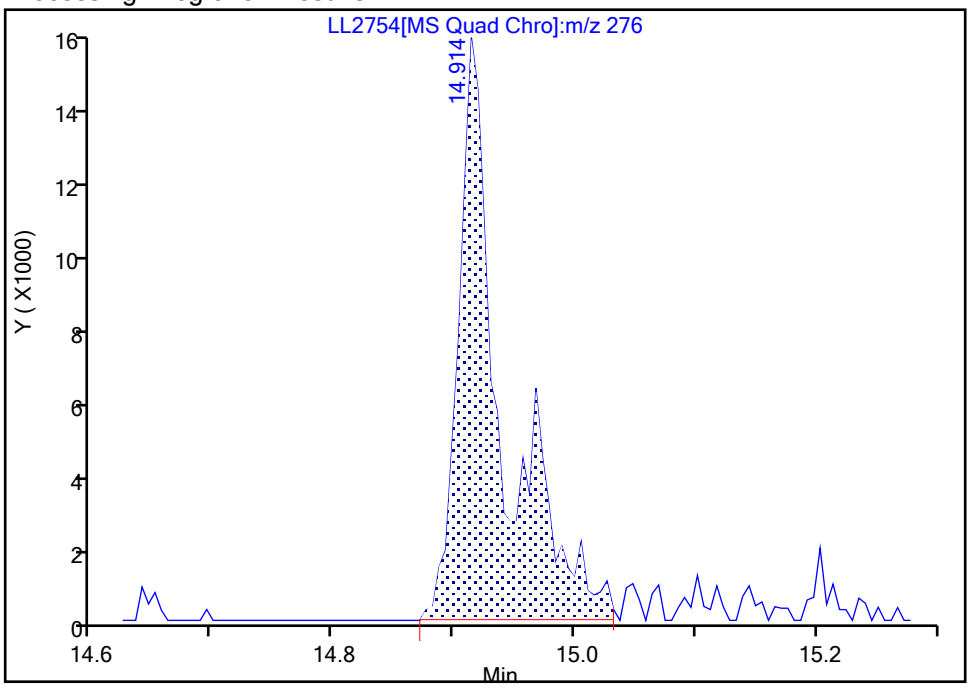
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2754.D				
Injection Date:	27-Dec-2022 19:50:17	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

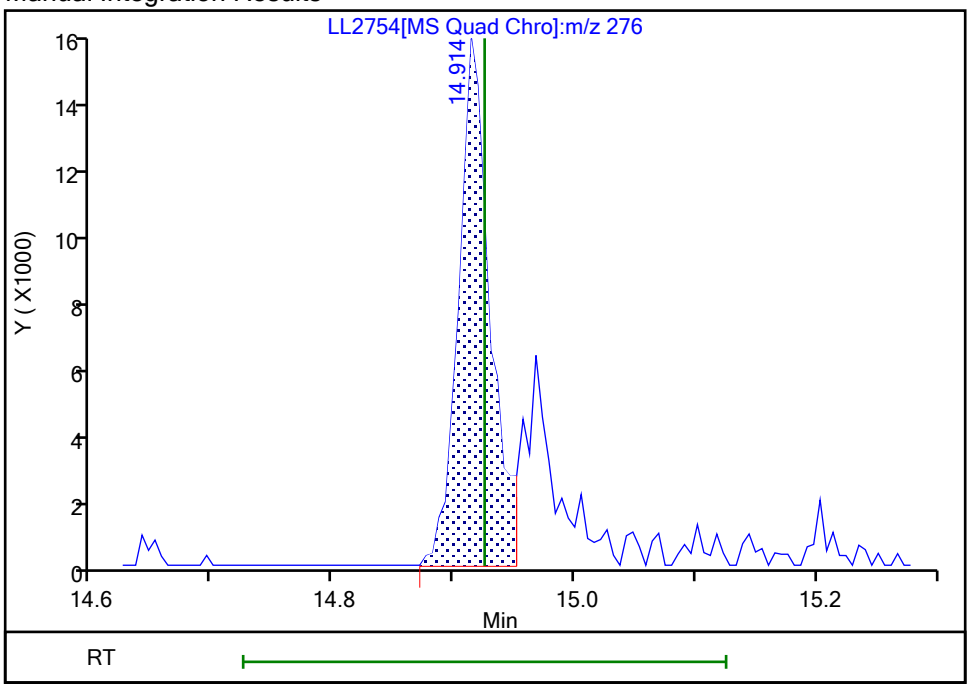
Processing Integration Results

RT: 14.91
Area: 37459
Amount: 0.259767
Amount Units: ug/ml



Manual Integration Results

RT: 14.91
Area: 26895
Amount: 0.201146
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 15:09:30

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

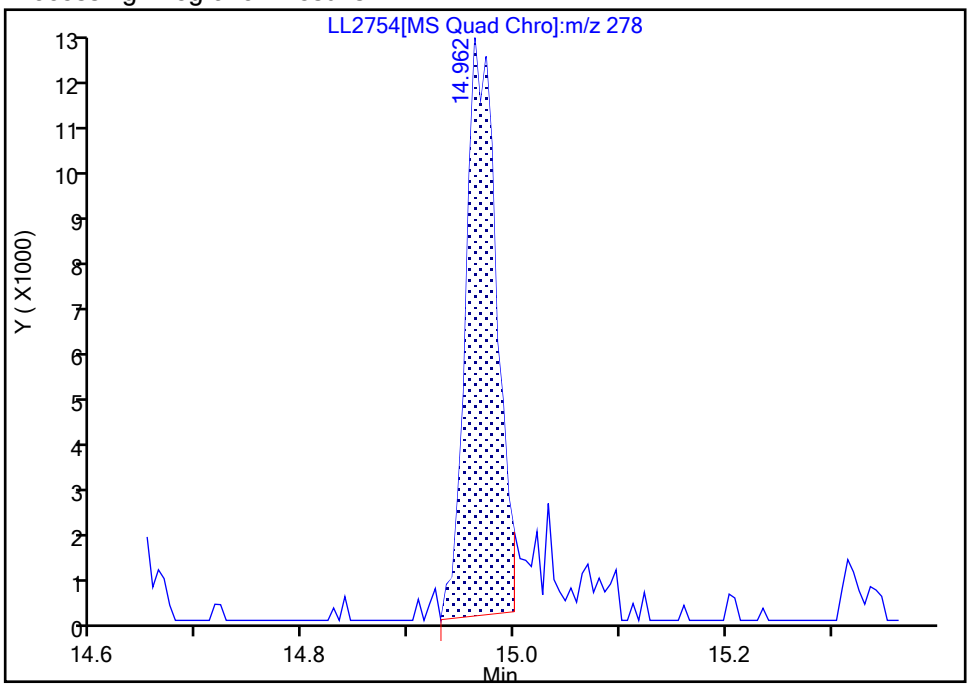
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2754.D
Injection Date: 27-Dec-2022 19:50:17 Instrument ID: HP20296
Lims ID: IC L2
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

164 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

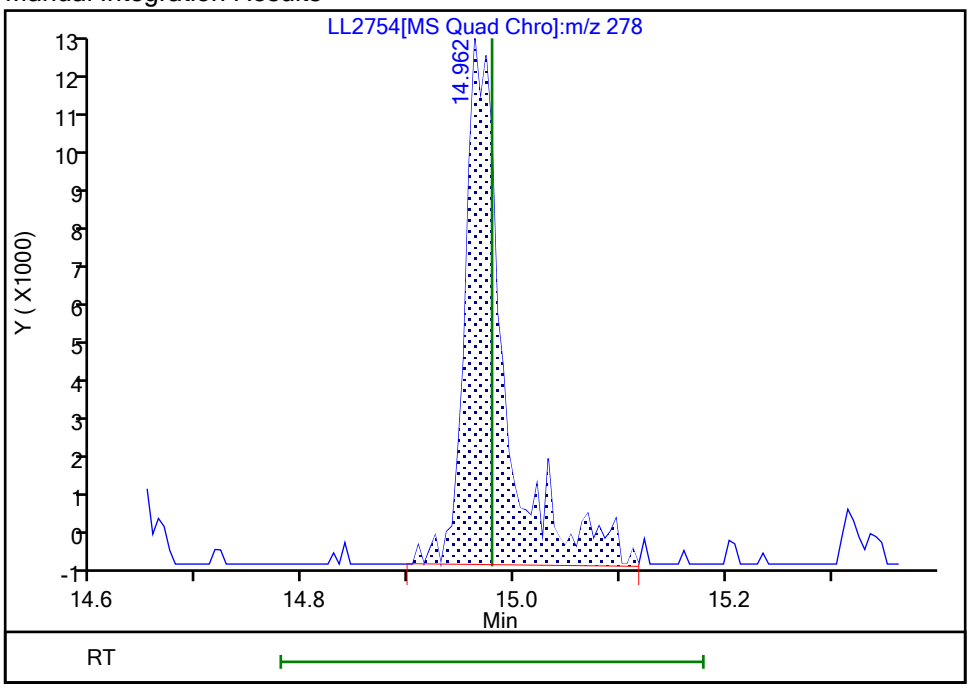
Processing Integration Results

RT: 14.96
Area: 25642
Amount: 0.228101
Amount Units: ug/ml



Manual Integration Results

RT: 14.96
Area: 33038
Amount: 0.215518
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 15:09:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2755.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 27-Dec-2022 20:11:21 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0074050-006
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub27

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:39:13 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 28-Dec-2022 14:43:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.837	1.821	0.016	98	771139	20.0	19.1	
	2 N-Nitrosodimethylamine	74	2.062	2.046	0.016	92	1377259	20.0	19.8	
	3 Pyridine	79	2.099	2.088	0.011	96	4302986	40.0	38.9	
	4 Dimethylformamide	73	2.383	2.372	0.011	94	1545370	20.0	20.3	
	5 2-Picoline	93	2.698	2.693	0.005	94	2282808	20.0	20.4	
	6 N-Nitrosomethylethylamine	88	2.789	2.778	0.011	94	1004690	20.0	18.9	
	9 Methyl methanesulfonate	80	3.062	3.051	0.011	86	1316007	20.0	20.2	
$	10 2-Fluorophenol	112	3.217	3.206	0.011	96	3214506	40.0	42.1	
	11 N-Nitrosodiethylamine	102	3.442	3.436	0.006	95	944663	20.0	20.1	
	13 Ethyl methanesulfonate	109	3.725	3.720	0.005	96	970603	20.0	19.6	
	15 Benzaldehyde	77	4.057	4.051	0.006	91	1282413	20.0	17.7	
$	16 Phenol-d5	99	4.099	4.089	0.010	99	5006049	40.0	42.7	
	17 Phenol	94	4.110	4.105	0.005	98	2568107	20.0	21.1	
	18 Aniline	93	4.158	4.153	0.005	96	3146332	20.0	20.6	
	19 Bis(2-chloroethyl)ether	93	4.217	4.212	0.005	93	2012343	20.0	19.9	
	20 2-Chlorophenol	128	4.271	4.265	0.006	91	1419137	20.0	20.9	
	22 1,3-Dichlorobenzene	146	4.420	4.415	0.005	91	1487812	20.0	20.5	
*	24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	95	240218	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	87	1511968	20.0	20.1	
	27 Benzyl alcohol	108	4.597	4.592	0.005	89	1217459	20.0	20.1	
	29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	90	1455874	20.0	20.5	
	31 2-Methylphenol	108	4.698	4.693	0.005	97	1660552	20.0	20.8	
	32 2,2'-oxybis[1-chloropropane]	45	4.731	4.731	0.000	93	2744287	20.0	19.8	
	34 N-Nitrosopyrrolidine	100	4.832	4.827	0.005	94	1121853	20.0	20.8	
	36 4-Methylphenol	108	4.848	4.843	0.005	97	1812621	20.0	21.1	
	37 N-Nitrosodi-n-propylamine	70	4.859	4.854	0.005	79	1799710	20.0	20.8	
	35 Acetophenone	105	4.854	4.854	0.000	97	2749041	20.0	20.3	
	38 N-Nitrosomorpholine	56	4.875	4.864	0.011	90	1469045	20.0	20.1	
	39 2-Toluidine	106	4.891	4.886	0.005	94	3159608	20.0	21.4	
	40 Hexachloroethane	117	4.961	4.961	0.000	94	719951	20.0	21.0	

Report Date: 29-Dec-2022 14:39:15 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2755.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	5.003	4.998	0.005	88	4838150	40.0	40.1	
42 Nitrobenzene	77	5.019	5.014	0.005	86	2398235	20.0	19.9	
44 N-Nitrosopiperidine	114	5.164	5.159	0.005	84	931350	20.0	21.1	
46 Isophorone	82	5.244	5.244	0.000	98	4564284	20.0	20.3	
47 2-Nitrophenol	139	5.319	5.319	0.000	89	698260	20.0	20.4	
48 2,4-Dimethylphenol	107	5.356	5.356	0.000	99	1951732	20.0	21.0	
49 o,o',o''-Triethylphosphorothioat	198	5.431	5.426	0.005	95	718528	20.0	19.3	
51 Bis(2-chloroethoxy)methane	93	5.458	5.453	0.005	97	2588903	20.0	20.0	
52 2,4-Dichlorophenol	162	5.549	5.544	0.005	95	1165633	20.0	20.6	
54 1,2,4-Trichlorobenzene	180	5.634	5.629	0.005	92	1263425	20.0	20.1	
* 55 Naphthalene-d8	136	5.688	5.688	0.000	98	1025406	5.00	5.00	
56 Naphthalene	128	5.709	5.709	0.000	98	4481966	20.0	20.4	
26 Alpha-Terpineol	59	5.720	5.715	0.005	93	2000447	20.0	20.3	
57 4-Chloroaniline	127	5.758	5.758	0.000	91	1966528	20.0	20.6	
58 2,6-Dichlorophenol	162	5.763	5.763	0.000	89	1169784	20.0	20.5	
59 Hexachloropropene	213	5.795	5.795	0.000	91	889373	20.0	20.7	
60 Hexachlorobutadiene	225	5.827	5.827	0.000	97	696091	20.0	19.5	
62 Quinoline	129	6.025	6.020	0.005	93	3119359	20.0	20.5	
64 Caprolactam	113	6.078	6.062	0.016	71	530465	20.0	20.0	
65 N-Nitrosodi-n-butylamine	84	6.084	6.079	0.005	91	2156767	20.0	22.2	
33 p-Phenylene diamine	108	6.094	6.089	0.005	94	1943835	20.0	20.7	
66 4-Chloro-3-methylphenol	107	6.217	6.212	0.005	92	1734675	20.0	20.9	
67 Safrole, Total	162	6.287	6.287	0.000	80	1151436	20.0	21.0	
69 2-Methylnaphthalene	142	6.367	6.367	0.000	91	2667118	20.0	20.3	
70 1-Methylnaphthalene	142	6.458	6.458	0.000	92	2711959	20.0	19.9	
71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	96	960137	20.0	20.7	
72 1,2,4,5-Tetrachlorobenzene	216	6.522	6.522	0.000	98	1310974	20.0	20.4	
73 Isosafrole Peak 1	162	6.565	6.565	0.000	80	208140	3.20	3.34	
74 2,4,6-Trichlorophenol	196	6.629	6.629	0.000	81	859160	20.0	21.1	
75 2,4,5-Trichlorophenol	196	6.661	6.662	-0.001	89	966568	20.0	21.2	
$ 76 2-Fluorobiphenyl (Surr)	172	6.720	6.715	0.005	99	6484435	40.0	40.4	
77 Isosafrole Peak 2	162	6.779	6.779	0.000	86	1242417	16.8	17.5	
79 1,1'-Biphenyl	154	6.811	6.811	0.000	96	3601707	20.0	20.0	
80 2-Chloronaphthalene	162	6.827	6.827	0.000	98	2670653	20.0	19.2	
81 1-Chloronaphthalene	162	6.849	6.849	0.000	97	2793510	20.0	20.8	
82 Phenyl ether	170	6.913	6.913	0.000	89	1881224	20.0	20.3	
83 2-Nitroaniline	138	6.924	6.924	0.000	74	973270	20.0	21.8	
84 1,4-Naphthoquinone	158	6.998	6.993	0.005	79	1195774	20.0	21.5	
85 1,4-Dinitrobenzene	168	7.057	7.057	0.000	85	436352	20.0	21.3	
86 Dimethyl phthalate	163	7.105	7.100	0.005	97	3292325	20.0	20.0	
87 1,3-Dinitrobenzene	168	7.127	7.122	0.005	82	506813	20.0	21.6	
88 2,6-Dinitrotoluene	165	7.159	7.154	0.005	84	737519	20.0	21.5	
90 Acenaphthylene	152	7.223	7.223	0.000	99	4396485	20.0	20.7	
91 3-Nitroaniline	138	7.309	7.309	0.000	87	846107	20.0	20.9	
* 92 Acenaphthene-d10	164	7.351	7.352	-0.001	94	592150	5.00	5.00	
93 Acenaphthene	153	7.383	7.384	-0.001	97	2905423	20.0	20.0	
94 2,4-Dinitrophenol	184	7.410	7.410	0.000	73	756447	40.0	42.0	
96 4-Nitrophenol	109	7.464	7.458	0.006	88	1168169	40.0	43.3	
98 Pentachlorobenzene	250	7.507	7.507	-0.001	97	1238912	20.0	20.0	
99 2,4-Dinitrotoluene	165	7.533	7.533	0.000	84	983127	20.0	20.3	
100 Dibenzofuran	168	7.549	7.549	0.000	96	4012255	20.0	19.6	
101 1-Naphthylamine	143	7.624	7.624	0.000	97	3085388	20.0	20.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.662	7.662	0.000	78	786406	20.0	20.8	
103 2-Naphthylamine	143	7.699	7.694	0.005	94	3358735	20.0	21.0	
104 Diethyl phthalate	149	7.774	7.774	0.000	96	3392784	20.0	20.4	
106 Thionazin	107	7.849	7.849	0.000	76	746540	20.0	20.7	
105 Fluorene	166	7.876	7.876	0.000	95	3280219	20.0	20.0	
109 4-Nitroaniline	138	7.892	7.881	0.011	79	912565	20.0	21.4	
108 4-Chlorophenyl phenyl ether	204	7.881	7.881	0.000	83	1502400	20.0	19.6	
107 N-Nitro-o-toluidine	152	7.881	7.881	0.000	77	996133	20.0	21.3	
110 4,6-Dinitro-2-methylphenol	198	7.918	7.913	0.005	69	993701	40.0	42.3	
111 N-Nitrosodiphenylamine	169	7.988	7.988	0.000	98	2332824	17.0	17.3	
112 1,2-Diphenylhydrazine	77	8.025	8.025	0.000	100	5374513	20.0	20.4	
$ 113 2,4,6-Tribromophenol	330	8.100	8.100	0.000	95	1061689	40.0	41.9	
114 Sulfotepp	97	8.143	8.148	-0.005	81	842192	20.0	20.6	
175 1,3,5-Trinitrobenzene	213	8.234	8.229	0.005	81	331733	20.0	22.2	
115 cis-Diallate	86	8.266	8.266	0.000	81	1696381	14.8	14.6	
116 Phorate	75	8.271	8.271	0.000	95	3579255	20.0	21.0	
117 Phenacetin	108	8.282	8.277	0.005	86	2282374	20.0	21.7	
118 4-Bromophenyl phenyl ether	248	8.341	8.341	0.000	76	903630	20.0	20.2	
119 trans-Diallate	86	8.346	8.352	-0.006	97	589289	5.20	5.20	
120 Hexachlorobenzene	284	8.389	8.389	0.000	94	1027151	20.0	18.9	
121 Dimethoate	87	8.432	8.427	0.005	97	2189800	20.0	21.8	
122 Atrazine	200	8.496	8.496	0.000	85	879300	20.0	19.7	
123 Pentachlorophenol	266	8.576	8.576	0.000	92	1245668	40.0	44.2	
124 4-Aminobiphenyl	169	8.582	8.582	0.000	92	4142229	20.0	21.3	
125 Pentachloronitrobenzene	237	8.587	8.587	0.000	85	472475	20.0	21.0	
126 Pronamide	173	8.646	8.646	0.000	92	1624369	20.0	21.4	
128 Dinoseb	211	8.753	8.758	-0.005	92	781055	20.0	20.2	
* 127 Phenanthrene-d10	188	8.758	8.758	0.000	96	1135200	5.00	5.00	
68 Disulfoton	88	8.769	8.769	0.000	95	3526264	20.0	19.2	
129 Phenanthrene	178	8.779	8.785	-0.006	96	4789611	20.0	19.5	
130 Anthracene	178	8.833	8.833	0.000	98	4928084	20.0	20.1	
S 53 Dinitrotoluene	165				0			41.9	
131 Carbazole	167	8.983	8.983	0.000	96	4617394	20.0	20.6	
132 Methyl parathion	109	9.122	9.122	0.000	90	1543506	20.0	23.0	
133 Di-n-butyl phthalate	149	9.330	9.330	0.000	100	5921366	20.0	22.2	
134 Ethyl Parathion	109	9.491	9.496	-0.005	82	942892	20.0	22.9	
135 4-Nitroquinoline-1-oxide	190	9.512	9.512	0.000	83	495919	20.0	22.2	
S 63 Diallate	86				0		20.0	19.8	
136 Octachlorostyrene	308	9.726	9.732	-0.006	95	414035	20.0	19.5	
137 Isodrin	193	9.769	9.769	0.000	89	591965	20.0	19.2	
138 Fluoranthene	202	9.908	9.914	-0.006	99	5124375	20.0	20.4	
139 Benzidine	184	10.047	10.047	0.000	95	8727979	60.0	53.8	
* 140 Pyrene-d10 (IS)	212	10.106	10.106	0.000	98	1097069	5.00	5.00	
141 Pyrene	202	10.122	10.127	-0.005	96	5443062	20.0	20.0	
$ 142 p-Terphenyl-d14	244	10.288	10.288	0.000	99	7692538	40.0	41.6	
143 p-Dimethylamino azobenzene	225	10.427	10.427	0.000	92	985896	20.0	22.5	
144 Chlorobenzilate	139	10.475	10.480	-0.005	86	1869127	20.0	22.2	
145 3,3'-Dimethylbenzidine	212	10.775	10.780	-0.005	99	2966951	20.0	21.3	
146 Butyl benzyl phthalate	149	10.801	10.807	-0.006	93	2563834	20.0	21.3	
147 2-Acetylaminofluorene	181	11.042	11.047	-0.005	96	2047950	20.0	22.6	
148 3,3'-Dichlorobenzidine	252	11.379	11.384	-0.005	79	1960832	20.0	22.1	
150 4,4'-Methylene bis(2-chloroani	231	11.390	11.395	-0.005	95	1045209	20.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.400	11.400	0.000	99	4900357	20.0	21.8	
151 Chrysene	228	11.438	11.443	-0.005	97	4716242	20.0	20.9	
152 Bis(2-ethylhexyl) phthalate	149	11.475	11.481	-0.006	95	3685065	20.0	22.2	
S 89 Aramite, Total	185		11.583				20.0	ND	
153 6-Methylchrysene	242	12.005	12.010	-0.005	100	3526245	20.0	21.9	
154 Di-n-octyl phthalate	149	12.336	12.342	-0.006	99	5927563	20.0	22.6	
156 7,12-Dimethylbenz(a)anthracene	256	12.796	12.796	0.000	75	2357188	20.0	22.0	
155 Benzo[b]fluoranthene	252	12.796	12.796	0.000	97	5040790	20.0	22.0	
157 Benzo[k]fluoranthene	252	12.834	12.834	0.000	99	4934276	20.0	20.5	
158 Benzo[a]pyrene	252	13.251	13.251	0.000	80	4158963	20.0	21.5	
* 159 Perylene-d12	264	13.326	13.331	-0.005	97	944530	5.00	5.00	
160 3-Methylcholanthrene	268	13.770	13.770	0.000	93	2551399	20.0	22.8	
161 Dibenz[a,h]acridine	279	14.577	14.578	-0.001	91	3563982	20.0	23.2	
162 Dibenz[a,j]acridine	279	14.658	14.652	0.006	96	4140806	20.0	22.1	
163 Indeno[1,2,3-cd]pyrene	276	14.936	14.925	0.011	99	3719939	20.0	21.7	M
164 Dibenz(a,h)anthracene	278	14.979	14.979	0.000	94	4339798	20.0	22.1	
165 Benzo[g,h,i]perylene	276	15.337	15.332	0.005	97	4426199	20.0	21.4	
S 166 Isosafrole	162				0		20.0	20.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

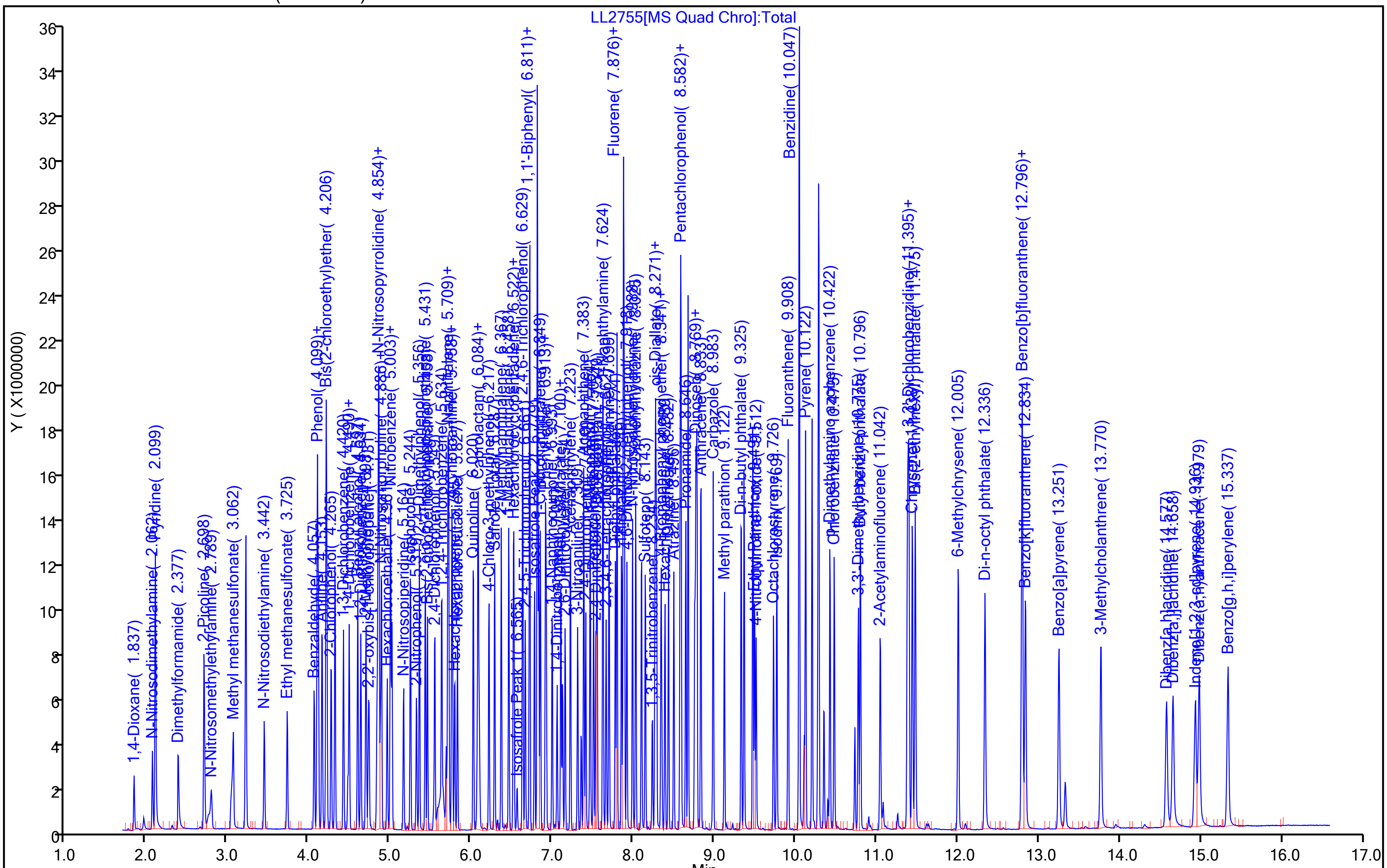
MSS_RV8270_7_00028 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2022 14:39:15 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2755.D				
Injection Date:	27-Dec-2022 20:11:21	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	IC L7			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

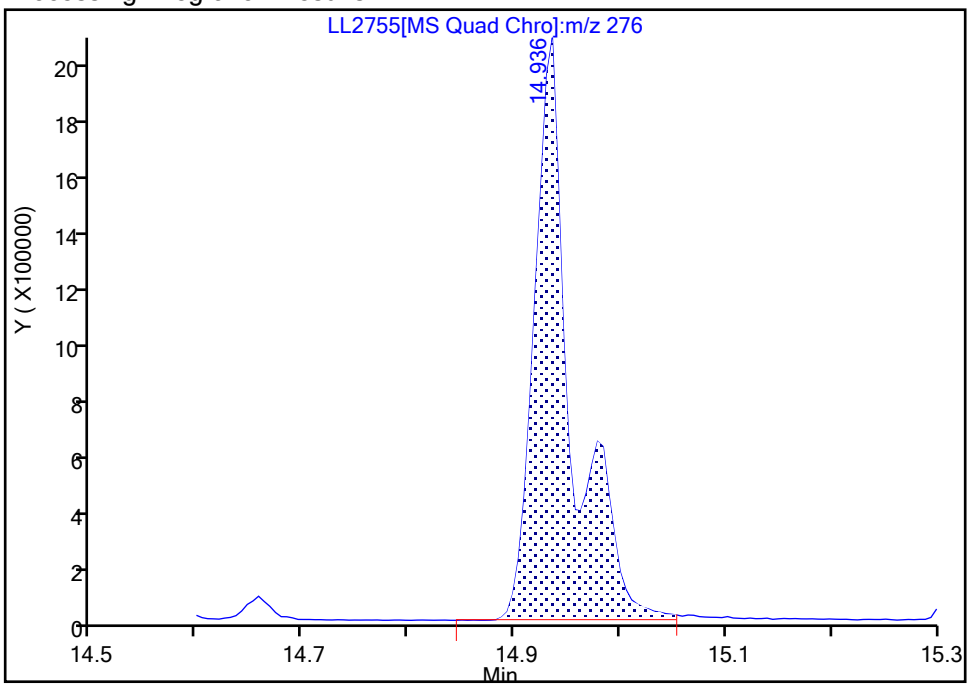
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2755.D				
Injection Date:	27-Dec-2022 20:11:21	Instrument ID:	HP20296		
Lims ID:	IC L7				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

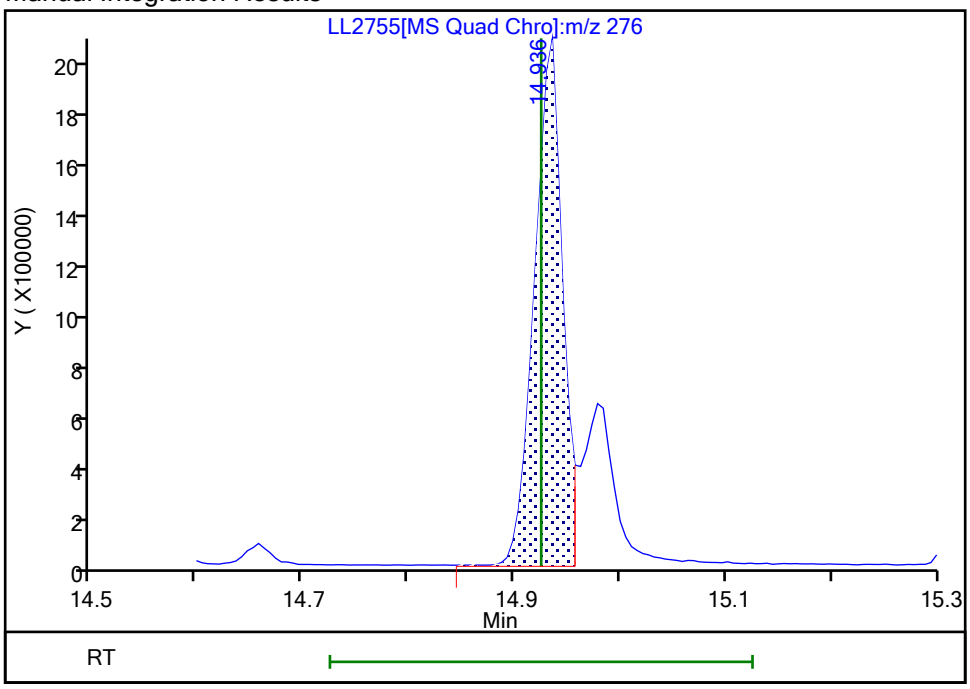
Processing Integration Results

RT: 14.94
Area: 5057419
Amount: 24.165146
Amount Units: ug/ml



Manual Integration Results

RT: 14.94
Area: 3719939
Amount: 21.747923
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 14:42:52

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2756.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Dec-2022 20:32:26 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6
Misc. Info.: 410-0074050-007
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub27

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:39:20 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 28-Dec-2022 14:44:59

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	0.000	98	515100	12.5	12.4	
2 N-Nitrosodimethylamine	74	2.056	2.056	0.000	94	906601	12.5	12.7	
3 Pyridine	79	2.094	2.094	0.000	97	2833570	25.0	24.9	
4 Dimethylformamide	73	2.377	2.377	0.000	95	1057787	12.5	13.5	
5 2-Picoline	93	2.698	2.698	0.000	93	1409567	12.5	12.3	
6 N-Nitrosomethylethylamine	88	2.784	2.784	0.000	93	631499	12.5	11.5	
9 Methyl methanesulfonate	80	3.057	3.057	0.000	85	823366	12.5	12.3	
$ 10 2-Fluorophenol	112	3.212	3.212	0.000	96	2093262	25.0	26.6	
11 N-Nitrosodiethylamine	102	3.442	3.442	0.000	95	595203	12.5	12.3	
13 Ethyl methanesulfonate	109	3.725	3.725	0.000	97	623177	12.5	12.3	
15 Benzaldehyde	77	4.057	4.057	0.000	91	1165267	12.5	14.4	
$ 16 Phenol-d5	99	4.094	4.094	0.000	99	3252042	25.0	27.0	
17 Phenol	94	4.110	4.110	0.000	98	1683330	12.5	13.5	
18 Aniline	93	4.153	4.153	0.000	96	2077443	12.5	13.3	
19 Bis(2-chloroethyl)ether	93	4.217	4.217	0.000	94	1353112	12.5	13.0	
20 2-Chlorophenol	128	4.265	4.265	0.000	90	929072	12.5	13.3	
22 1,3-Dichlorobenzene	146	4.420	4.420	0.000	91	982620	12.5	13.2	
* 24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	96	246978	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	87	989034	12.5	12.8	
27 Benzyl alcohol	108	4.597	4.597	0.000	89	808156	12.5	13.0	
29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	90	948008	12.5	13.0	
31 2-Methylphenol	108	4.699	4.699	0.000	97	1097619	12.5	13.4	
32 2,2'-oxybis[1-chloropropane]	45	4.731	4.731	0.000	93	1789792	12.5	12.6	
34 N-Nitrosopyrrolidine	100	4.832	4.832	0.000	93	703181	12.5	12.7	
36 4-Methylphenol	108	4.843	4.843	0.000	94	1219808	12.5	13.8	
37 N-Nitrosodi-n-propylamine	70	4.854	4.854	0.000	84	1182823	12.5	13.3	
35 Acetophenone	105	4.854	4.854	0.000	90	1808899	12.5	13.0	
38 N-Nitrosomorpholine	56	4.870	4.870	0.000	91	928418	12.5	12.3	
39 2-Toluidine	106	4.886	4.886	0.000	95	1968349	12.5	12.9	
40 Hexachloroethane	117	4.961	4.961	0.000	94	459793	12.5	13.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	4.998	4.998	0.000	88	3188356	25.0	26.4	
42 Nitrobenzene	77	5.019	5.019	0.000	86	1588596	12.5	13.2	
44 N-Nitrosopiperidine	114	5.159	5.159	0.000	83	586871	12.5	13.3	
46 Isophorone	82	5.244	5.244	0.000	98	3049788	12.5	13.5	
47 2-Nitrophenol	139	5.319	5.319	0.000	89	465862	12.5	13.5	
48 2,4-Dimethylphenol	107	5.356	5.356	0.000	99	1296335	12.5	13.9	
49 o,o',o''-Triethylphosphorothioat	198	5.431	5.431	0.000	94	462847	12.5	12.4	
51 Bis(2-chloroethoxy)methane	93	5.453	5.453	0.000	97	1728488	12.5	13.3	
52 2,4-Dichlorophenol	162	5.544	5.544	0.000	94	773849	12.5	13.6	
54 1,2,4-Trichlorobenzene	180	5.629	5.629	0.000	92	825003	12.5	13.1	
* 55 Naphthalene-d8	136	5.688	5.688	0.000	99	1028562	5.00	5.00	
56 Naphthalene	128	5.709	5.709	0.000	98	2959361	12.5	13.4	
26 Alpha-Terpineol	59	5.715	5.715	0.000	93	1307207	12.5	13.2	
57 4-Chloroaniline	127	5.758	5.758	0.000	91	1321171	12.5	13.8	
58 2,6-Dichlorophenol	162	5.763	5.763	0.000	89	762659	12.5	13.3	
59 Hexachloropropene	213	5.795	5.795	0.000	91	566291	12.5	13.2	
60 Hexachlorobutadiene	225	5.827	5.827	0.000	97	458750	12.5	12.8	
62 Quinoline	129	6.020	6.020	0.000	92	1957876	12.5	12.8	
64 Caprolactam	113	6.068	6.068	0.000	76	344929	12.5	13.0	
65 N-Nitrosodi-n-butylamine	84	6.079	6.079	0.000	90	1382530	12.5	14.2	
33 p-Phenylene diamine	108	6.089	6.089	0.000	94	1291499	12.5	13.7	
66 4-Chloro-3-methylphenol	107	6.212	6.212	0.000	91	1169185	12.5	14.1	
67 Safrole, Total	162	6.287	6.287	0.000	80	727908	12.5	13.3	
69 2-Methylnaphthalene	142	6.367	6.367	0.000	90	1761428	12.5	13.4	
70 1-Methylnaphthalene	142	6.458	6.458	0.000	92	1777778	12.5	13.0	
71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	96	627415	12.5	13.5	
72 1,2,4,5-Tetrachlorobenzene	216	6.522	6.522	0.000	98	864925	12.5	13.3	
73 Isosafrole Peak 1	162	6.560	6.560	0.000	83	132437	2.00	2.11	
74 2,4,6-Trichlorophenol	196	6.629	6.629	0.000	81	569071	12.5	13.9	
75 2,4,5-Trichlorophenol	196	6.662	6.662	0.000	90	639738	12.5	13.9	
$ 76 2-Fluorobiphenyl (Surr)	172	6.715	6.715	0.000	99	4329182	25.0	26.8	
77 Isosafrole Peak 2	162	6.779	6.779	0.000	85	754270	10.5	10.6	
79 1,1'-Biphenyl	154	6.811	6.811	0.000	97	2385130	12.5	13.2	
80 2-Chloronaphthalene	162	6.827	6.827	0.000	98	1806670	12.5	12.9	
81 1-Chloronaphthalene	162	6.849	6.849	0.000	95	1736974	12.5	12.9	
82 Phenyl ether	170	6.913	6.913	0.000	89	1253873	12.5	13.5	
83 2-Nitroaniline	138	6.924	6.924	0.000	74	639025	12.5	14.2	
84 1,4-Naphthoquinone	158	6.993	6.993	0.000	74	757459	12.5	13.6	
85 1,4-Dinitrobenzene	168	7.057	7.057	0.000	86	290724	12.5	14.1	
86 Dimethyl phthalate	163	7.100	7.100	0.000	95	2186350	12.5	13.2	
87 1,3-Dinitrobenzene	168	7.121	7.121	0.000	81	343594	12.5	14.6	
88 2,6-Dinitrotoluene	165	7.154	7.154	0.000	81	489874	12.5	14.2	
90 Acenaphthylene	152	7.218	7.218	0.000	99	2897102	12.5	13.5	
91 3-Nitroaniline	138	7.309	7.309	0.000	87	562625	12.5	13.8	
* 92 Acenaphthene-d10	164	7.351	7.351	0.000	94	595658	5.00	5.00	
93 Acenaphthene	153	7.384	7.384	0.000	96	1933703	12.5	13.2	
94 2,4-Dinitrophenol	184	7.410	7.410	0.000	72	501934	25.0	27.7	
96 4-Nitrophenol	109	7.464	7.464	0.000	89	771096	25.0	28.4	
98 Pentachlorobenzene	250	7.507	7.507	0.000	97	782146	12.5	12.5	
99 2,4-Dinitrotoluene	165	7.533	7.533	0.000	84	668958	12.5	13.8	
100 Dibenzofuran	168	7.549	7.549	0.000	96	2706460	12.5	13.2	
101 1-Naphthylamine	143	7.619	7.619	0.000	97	1970345	12.5	13.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.662	7.662	0.000	78	529985	12.5	14.0	
103 2-Naphthylamine	143	7.694	7.694	0.000	94	2153517	12.5	13.4	
104 Diethyl phthalate	149	7.774	7.774	0.000	96	2263903	12.5	13.5	
106 Thionazin	107	7.849	7.849	0.000	76	470217	12.5	12.9	
105 Fluorene	166	7.870	7.870	0.000	93	2192443	12.5	13.3	
108 4-Chlorophenyl phenyl ether	204	7.876	7.876	0.000	87	1007203	12.5	13.1	
107 N-Nitro-o-toluidine	152	7.881	7.881	0.000	86	643239	12.5	13.7	
109 4-Nitroaniline	138	7.886	7.886	0.000	80	600893	12.5	14.0	
110 4,6-Dinitro-2-methylphenol	198	7.913	7.913	0.000	70	659987	25.0	28.1	
111 N-Nitrosodiphenylamine	169	7.988	7.988	0.000	99	1568224	10.6	11.7	
112 1,2-Diphenylhydrazine	77	8.025	8.025	0.000	100	3548092	12.5	13.5	
$ 113 2,4,6-Tribromophenol	330	8.100	8.100	0.000	94	714375	25.0	28.0	
114 Sulfotepp	97	8.143	8.143	0.000	80	534239	12.5	13.1	
175 1,3,5-Trinitrobenzene	213	8.229	8.229	0.000	81	210487	12.5	14.1	
115 cis-Diallate	86	8.261	8.261	0.000	72	1066998	9.25	9.17	
116 Phorate	75	8.271	8.271	0.000	95	2260768	12.5	13.3	
117 Phenacetin	108	8.277	8.277	0.000	86	1443118	12.5	13.7	
118 4-Bromophenyl phenyl ether	248	8.341	8.341	0.000	77	588403	12.5	13.1	
119 trans-Diallate	86	8.346	8.346	0.000	96	376626	3.25	3.33	
120 Hexachlorobenzene	284	8.389	8.389	0.000	96	694287	12.5	12.8	
121 Dimethoate	87	8.427	8.427	0.000	96	1392839	12.5	13.9	
122 Atrazine	200	8.496	8.496	0.000	84	556249	12.5	12.5	
123 Pentachlorophenol	266	8.576	8.576	0.000	91	809952	25.0	28.8	
124 4-Aminobiphenyl	169	8.582	8.582	0.000	92	2609837	12.5	13.5	
125 Pentachloronitrobenzene	237	8.587	8.587	0.000	88	296570	12.5	13.2	
126 Pronamide	173	8.641	8.641	0.000	91	1028183	12.5	13.6	
128 Dinoseb	211	8.753	8.753	0.000	92	482456	12.5	13.3	
* 127 Phenanthrene-d10	188	8.758	8.758	0.000	96	1133880	5.00	5.00	
68 Disulfoton	88	8.769	8.769	0.000	94	2270343	12.5	12.4	
129 Phenanthrene	178	8.780	8.780	0.000	96	3280033	12.5	13.4	
130 Anthracene	178	8.828	8.828	0.000	98	3275253	12.5	13.4	
S 53 Dinitrotoluene	165				0			28.0	
131 Carbazole	167	8.983	8.983	0.000	96	3096380	12.5	13.8	
132 Methyl parathion	109	9.117	9.117	0.000	89	944874	12.5	14.1	
133 Di-n-butyl phthalate	149	9.325	9.325	0.000	100	3919008	12.5	14.7	
134 Ethyl Parathion	109	9.491	9.491	0.000	83	577852	12.5	14.0	
135 4-Nitroquinoline-1-oxide	190	9.512	9.512	0.000	82	297968	12.5	13.4	
S 63 Diallate	86				0		12.5	12.5	
136 Octachlorostyrene	308	9.726	9.726	0.000	95	274244	12.5	12.9	
137 Isodrin	193	9.769	9.769	0.000	88	380727	12.5	12.3	
138 Fluoranthene	202	9.908	9.908	0.000	99	3415563	12.5	13.6	
139 Benzidine	184	10.042	10.042	0.000	98	7084090	37.5	42.8	
* 140 Pyrene-d10 (IS)	212	10.106	10.106	0.000	99	1119685	5.00	5.00	
141 Pyrene	202	10.122	10.122	0.000	96	3630592	12.5	13.1	
$ 142 p-Terphenyl-d14	244	10.283	10.283	0.000	98	5236922	25.0	27.8	
143 p-Dimethylamino azobenzene	225	10.422	10.422	0.000	92	629607	12.5	14.1	
144 Chlorobenzilate	139	10.475	10.475	0.000	86	1157838	12.5	13.5	
145 3,3'-Dimethylbenzidine	212	10.769	10.769	0.000	99	1958020	12.5	13.8	
146 Butyl benzyl phthalate	149	10.796	10.796	0.000	93	1694231	12.5	13.8	
147 2-Acetylaminofluorene	181	11.042	11.042	0.000	96	1222048	12.5	13.2	
148 3,3'-Dichlorobenzidine	252	11.379	11.379	0.000	77	1297552	12.5	14.3	
150 4,4'-Methylene bis(2-chloroani	231	11.384	11.384	0.000	96	653802	12.5	14.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.395	11.395	0.000	99	3245443	12.5	14.2	
151 Chrysene	228	11.438	11.438	0.000	97	3131312	12.5	13.6	
152 Bis(2-ethylhexyl) phthalate	149	11.475	11.475	0.000	95	2347918	12.5	13.9	
153 6-Methylchrysene	242	12.005	12.005	0.000	100	2200200	12.5	13.4	
154 Di-n-octyl phthalate	149	12.336	12.336	0.000	99	3716171	12.5	13.8	
156 7,12-Dimethylbenz(a)anthracene	256	12.791	12.791	0.000	80	1462553	12.5	13.3	
155 Benzo[b]fluoranthene	252	12.791	12.791	0.000	97	3300552	12.5	14.0	
157 Benzo[k]fluoranthene	252	12.834	12.834	0.000	99	3333857	12.5	13.5	
158 Benzo[a]pyrene	252	13.246	13.246	0.000	80	2739227	12.5	13.8	
* 159 Perylene-d12	264	13.326	13.326	0.000	96	969457	5.00	5.00	
160 3-Methylcholanthrene	268	13.765	13.765	0.000	93	1571741	12.5	13.7	
161 Dibenz[a,h]acridine	279	14.572	14.572	0.000	91	2191295	12.5	13.9	
162 Dibenz[a,j]acridine	279	14.652	14.652	0.000	96	2672621	12.5	13.9	
163 Indeno[1,2,3-cd]pyrene	276	14.925	14.925	0.000	99	2504071	12.5	14.3	M
164 Dibenz(a,h)anthracene	278	14.979	14.979	0.000	95	2847392	12.5	14.1	
165 Benzo[g,h,i]perylene	276	15.332	15.332	0.000	97	2925019	12.5	13.8	
S 166 Isosafrole	162				0		12.5	12.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_6_00037 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2022 14:39:21 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2756.D

Injection Date: 27-Dec-2022 20:32:26 Instrument ID: HP20296 Operator ID: mem41592

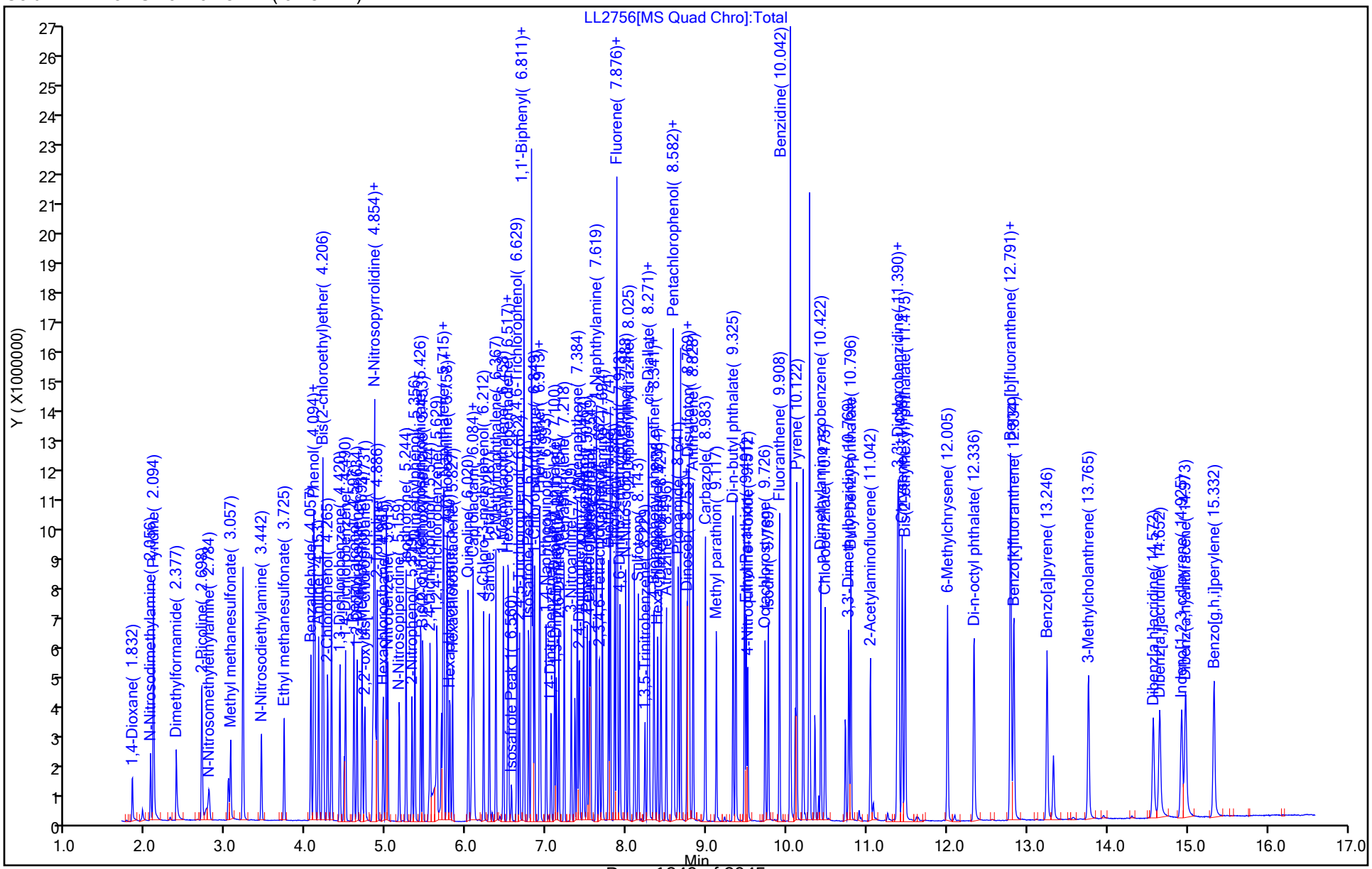
Lims ID: IC L6 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

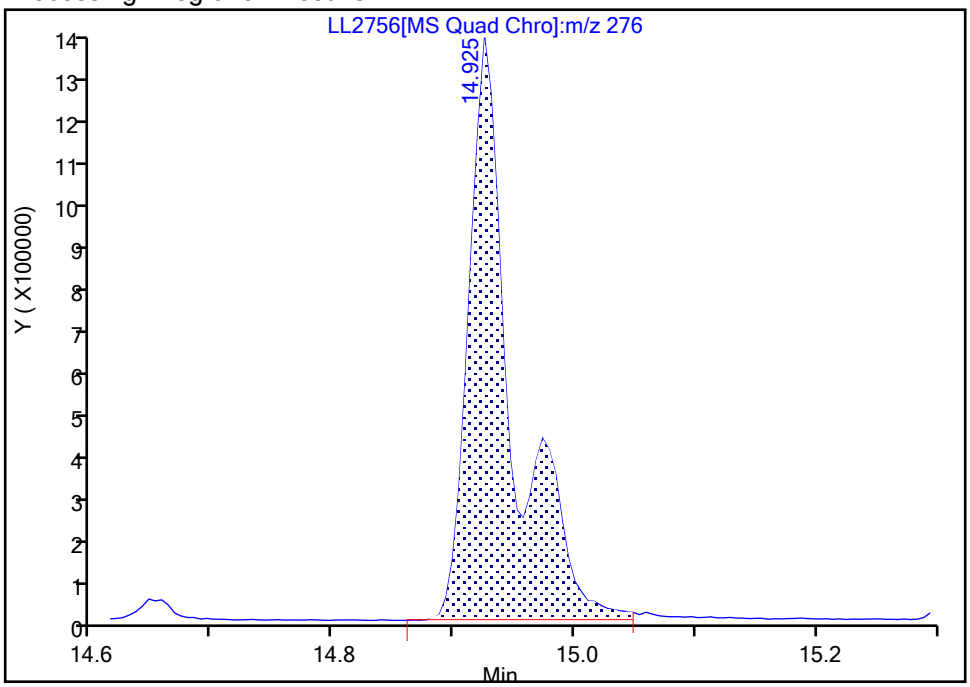
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2756.D				
Injection Date:	27-Dec-2022 20:32:26	Instrument ID:	HP20296		
Lims ID:	IC L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

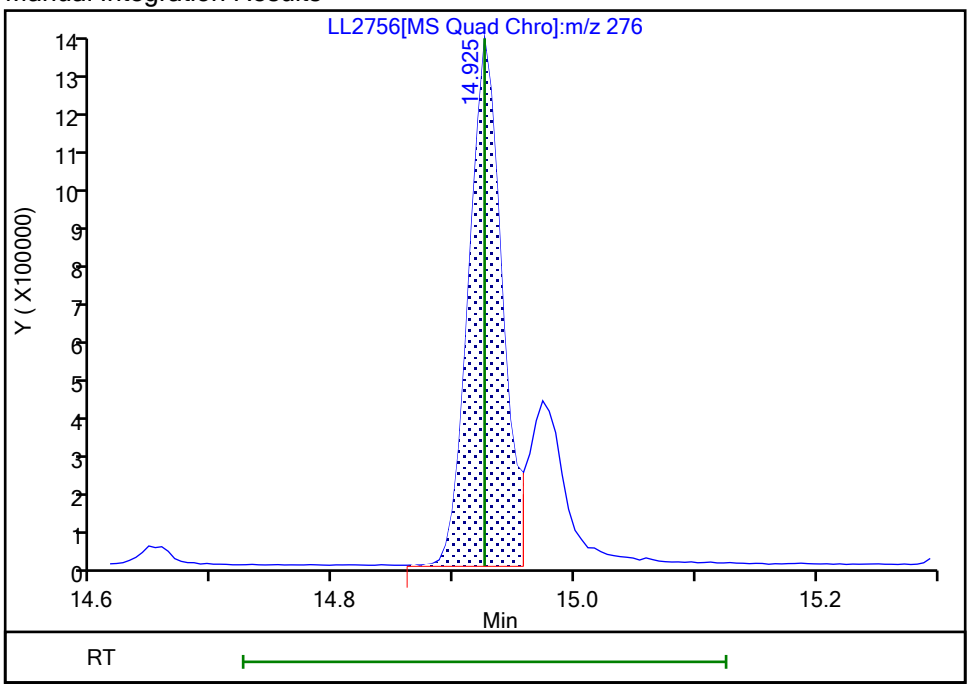
Processing Integration Results

RT: 14.93
Area: 3342596
Amount: 15.756886
Amount Units: ug/ml



Manual Integration Results

RT: 14.93
Area: 2504071
Amount: 14.263162
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 14:44:51
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2757.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Dec-2022 20:53:33 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0074050-008
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub27

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:39:28 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 28-Dec-2022 14:46:25

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	1.826	1.832	-0.006	97	152549	3.75	3.27	
2 N-Nitrosodimethylamine	74	2.056	2.056	0.000	94	269768	3.75	3.36	
3 Pyridine	79	2.094	2.094	0.000	96	818513	7.50	6.41	
4 Dimethylformamide	73	2.382	2.377	0.005	96	288575	3.75	3.28	
5 2-Picoline	93	2.698	2.698	0.000	94	413248	3.75	3.20	
6 N-Nitrosomethylethylamine	88	2.784	2.784	0.000	92	217906	3.75	3.54	
9 Methyl methanesulfonate	80	3.051	3.057	-0.006	86	245372	3.75	3.25	
$ 10 2-Fluorophenol	112	3.206	3.212	-0.006	97	591943	7.50	6.71	
11 N-Nitrosodiethylamine	102	3.436	3.442	-0.006	94	175106	3.75	3.23	
13 Ethyl methanesulfonate	109	3.720	3.725	-0.005	96	181521	3.75	3.18	
15 Benzaldehyde	77	4.057	4.057	0.000	92	398461	3.75	3.56	
$ 16 Phenol-d5	99	4.094	4.094	0.000	99	934315	7.50	6.90	
17 Phenol	94	4.105	4.110	-0.005	98	482162	3.75	3.44	
18 Aniline	93	4.153	4.153	0.000	96	600991	3.75	3.42	
19 Bis(2-chloroethyl)ether	93	4.212	4.217	-0.005	93	394193	3.75	3.37	
20 2-Chlorophenol	128	4.265	4.265	0.000	90	271257	3.75	3.45	
22 1,3-Dichlorobenzene	146	4.420	4.420	0.000	91	284277	3.75	3.39	
* 24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	95	277416	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	86	287729	3.75	3.31	
27 Benzyl alcohol	108	4.591	4.597	-0.006	88	233472	3.75	3.33	
29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	89	276677	3.75	3.37	
31 2-Methylphenol	108	4.693	4.699	-0.006	97	311164	3.75	3.38	
32 2,2'-oxybis[1-chloropropane]	45	4.730	4.731	-0.001	93	551453	3.75	3.44	
34 N-Nitrosopyrrolidine	100	4.827	4.832	-0.005	96	213458	3.75	3.42	
36 4-Methylphenol	108	4.843	4.843	0.000	96	344686	3.75	3.48	
37 N-Nitrosodi-n-propylamine	70	4.854	4.854	0.000	78	340565	3.75	3.40	
35 Acetophenone	105	4.854	4.854	0.000	91	539854	3.75	3.46	
38 N-Nitrosomorpholine	56	4.870	4.870	0.000	91	284706	3.75	3.36	
39 2-Toluidine	106	4.886	4.886	0.000	95	581685	3.75	3.41	
40 Hexachloroethane	117	4.960	4.961	-0.001	93	137247	3.75	3.47	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	4.998	4.998	0.000	89	931834	7.50	6.85	
42 Nitrobenzene	77	5.014	5.019	-0.005	86	475287	3.75	3.50	
44 N-Nitrosopiperidine	114	5.158	5.159	-0.001	81	172640	3.75	3.47	
46 Isophorone	82	5.244	5.244	0.000	98	888098	3.75	3.51	
47 2-Nitrophenol	139	5.319	5.319	0.000	88	126650	3.75	3.27	
48 2,4-Dimethylphenol	107	5.356	5.356	0.000	99	366350	3.75	3.50	
49 o,o',o''-Triethylphosphorothioat	198	5.426	5.431	-0.005	95	140890	3.75	3.35	
51 Bis(2-chloroethoxy)methane	93	5.453	5.453	0.000	95	515965	3.75	3.53	
52 2,4-Dichlorophenol	162	5.543	5.544	-0.001	93	220516	3.75	3.45	
54 1,2,4-Trichlorobenzene	180	5.629	5.629	0.000	92	243430	3.75	3.43	
* 55 Naphthalene-d8	136	5.688	5.688	0.000	99	1157603	5.00	5.00	
56 Naphthalene	128	5.709	5.709	0.000	98	875811	3.75	3.52	
26 Alpha-Terpineol	59	5.715	5.715	0.000	92	379921	3.75	3.41	
57 4-Chloroaniline	127	5.752	5.758	-0.006	92	383142	3.75	3.56	
58 2,6-Dichlorophenol	162	5.763	5.763	0.000	91	223839	3.75	3.47	
59 Hexachloropropene	213	5.790	5.795	-0.005	92	158661	3.75	3.28	
60 Hexachlorobutadiene	225	5.827	5.827	0.000	95	140942	3.75	3.49	
62 Quinoline	129	6.020	6.020	0.000	92	583725	3.75	3.40	
64 Caprolactam	113	6.057	6.068	-0.011	78	118618	3.75	3.96	
65 N-Nitrosodi-n-butylamine	84	6.078	6.079	0.000	93	304034	3.75	2.77	
33 p-Phenylene diamine	108	6.089	6.089	0.000	92	364177	3.75	3.44	
66 4-Chloro-3-methylphenol	107	6.212	6.212	0.000	92	326239	3.75	3.49	
67 Safrole, Total	162	6.287	6.287	0.000	81	213005	3.75	3.45	
69 2-Methylnaphthalene	142	6.367	6.367	0.000	91	509957	3.75	3.43	
70 1-Methylnaphthalene	142	6.458	6.458	0.000	93	523659	3.75	3.41	
71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	96	176920	3.75	3.34	
72 1,2,4,5-Tetrachlorobenzene	216	6.522	6.522	0.000	98	257200	3.75	3.49	
73 Isosafrole Peak 1	162	6.565	6.560	0.005	83	38460	0.6000	0.5395	
74 2,4,6-Trichlorophenol	196	6.629	6.629	0.000	78	158051	3.75	3.40	
75 2,4,5-Trichlorophenol	196	6.661	6.662	-0.001	92	185091	3.75	3.55	
$ 76 2-Fluorobiphenyl (Surr)	172	6.715	6.715	0.000	99	1258046	7.50	6.85	
77 Isosafrole Peak 2	162	6.774	6.779	-0.005	85	228064	3.15	2.81	
79 1,1'-Biphenyl	154	6.811	6.811	0.000	96	702706	3.75	3.42	
80 2-Chloronaphthalene	162	6.827	6.827	0.000	96	548368	3.75	3.45	
81 1-Chloronaphthalene	162	6.849	6.849	0.000	95	498719	3.75	3.25	
82 Phenyl ether	170	6.913	6.913	0.000	90	366208	3.75	3.46	
83 2-Nitroaniline	138	6.918	6.924	-0.006	78	173545	3.75	3.40	
84 1,4-Naphthoquinone	158	6.993	6.993	0.000	76	217274	3.75	3.42	
85 1,4-Dinitrobenzene	168	7.052	7.057	-0.005	85	75709	3.75	3.23	
86 Dimethyl phthalate	163	7.100	7.100	0.000	95	647236	3.75	3.44	
87 1,3-Dinitrobenzene	168	7.121	7.121	0.000	81	88960	3.75	3.32	
88 2,6-Dinitrotoluene	165	7.153	7.154	-0.001	82	136687	3.75	3.49	
90 Acenaphthylene	152	7.218	7.218	0.000	99	829983	3.75	3.41	
91 3-Nitroaniline	138	7.309	7.309	0.000	87	159186	3.75	3.44	
* 92 Acenaphthene-d10	164	7.351	7.351	0.000	94	677419	5.00	5.00	
93 Acenaphthene	153	7.383	7.384	-0.001	96	560387	3.75	3.37	
94 2,4-Dinitrophenol	184	7.405	7.410	-0.005	70	197827	11.3	9.60	
96 4-Nitrophenol	109	7.458	7.464	-0.006	89	209042	7.50	6.78	
98 Pentachlorobenzene	250	7.506	7.507	-0.001	97	233540	3.75	3.29	
99 2,4-Dinitrotoluene	165	7.533	7.533	0.000	84	183361	3.75	3.32	
100 Dibenzofuran	168	7.549	7.549	0.000	97	788442	3.75	3.37	
101 1-Naphthylamine	143	7.619	7.619	0.000	96	569038	3.75	3.37	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.656	7.662	-0.006	79	149401	3.75	3.46	
103 2-Naphthylamine	143	7.694	7.694	0.000	93	608476	3.75	3.33	
104 Diethyl phthalate	149	7.769	7.774	-0.005	96	646484	3.75	3.40	
106 Thionazin	107	7.843	7.849	-0.006	75	131599	3.75	3.18	
105 Fluorene	166	7.870	7.870	0.000	93	645999	3.75	3.44	
108 4-Chlorophenyl phenyl ether	204	7.875	7.876	-0.001	82	298960	3.75	3.41	
107 N-Nitro-o-toluidine	152	7.875	7.881	-0.006	70	178790	3.75	3.34	
109 4-Nitroaniline	138	7.881	7.886	-0.005	79	169858	3.75	3.48	
110 4,6-Dinitro-2-methylphenol	198	7.913	7.913	0.000	68	170844	7.50	6.42	
111 N-Nitrosodiphenylamine	169	7.982	7.988	-0.006	98	454779	3.19	2.98	
112 1,2-Diphenylhydrazine	77	8.025	8.025	0.000	99	1030299	3.75	3.46	
$ 113 2,4,6-Tribromophenol	330	8.095	8.100	-0.005	91	193792	7.50	6.69	
114 Sulfotepp	97	8.143	8.143	0.000	81	151480	3.75	3.28	
175 1,3,5-Trinitrobenzene	213	8.223	8.229	-0.006	81	54899	3.75	3.24	
115 cis-Diallate	86	8.261	8.261	0.000	87	294276	2.78	2.23	
116 Phorate	75	8.271	8.271	0.000	94	638744	3.75	3.32	
117 Phenacetin	108	8.271	8.277	-0.006	90	387085	3.75	3.24	
118 4-Bromophenyl phenyl ether	248	8.341	8.341	0.000	77	179850	3.75	3.54	
119 trans-Diallate	86	8.346	8.346	0.000	97	105574	0.9750	0.8233	
120 Hexachlorobenzene	284	8.384	8.389	-0.005	94	208279	3.75	3.38	
121 Dimethoate	87	8.421	8.427	-0.006	96	373382	3.75	3.29	
122 Atrazine	200	8.491	8.496	-0.005	85	191251	3.75	3.78	
123 Pentachlorophenol	266	8.571	8.576	-0.005	91	207252	7.50	6.49	
124 4-Aminobiphenyl	169	8.582	8.582	0.000	92	749090	3.75	3.41	
125 Pentachloronitrobenzene	237	8.582	8.587	-0.005	86	88695	3.75	3.47	
126 Pronamide	173	8.640	8.641	0.000	91	284217	3.75	3.31	
128 Dinoseb	211	8.753	8.753	0.000	91	112170	3.75	3.02	
* 127 Phenanthrene-d10	188	8.758	8.758	0.000	96	1285729	5.00	5.00	
68 Disulfoton	88	8.769	8.769	0.000	96	649800	3.75	3.13	
129 Phenanthrene	178	8.779	8.780	-0.001	98	969900	3.75	3.49	
130 Anthracene	178	8.828	8.828	0.000	98	962762	3.75	3.47	
S 53 Dinitrotoluene	165				0			6.80	
131 Carbazole	167	8.977	8.983	-0.006	96	880639	3.75	3.47	
132 Methyl parathion	109	9.116	9.117	-0.001	89	250908	3.75	3.31	
133 Di-n-butyl phthalate	149	9.325	9.325	0.000	99	1049216	3.75	3.47	
134 Ethyl Parathion	109	9.491	9.491	0.000	81	148672	3.75	3.19	
135 4-Nitroquinoline-1-oxide	190	9.507	9.512	-0.005	80	68822	3.75	2.72	
S 63 Diallate	86				0		3.75	3.05	
136 Octachlorostyrene	308	9.726	9.726	0.000	93	83960	3.75	3.49	
137 Isodrin	193	9.769	9.769	0.000	88	105991	3.75	3.03	
138 Fluoranthene	202	9.908	9.908	0.000	99	956580	3.75	3.36	
139 Benzidine	184	10.042	10.042	0.000	99	1996795	11.3	10.1	
* 140 Pyrene-d10 (IS)	212	10.101	10.106	-0.005	99	1331545	5.00	5.00	
141 Pyrene	202	10.122	10.122	0.000	96	1123755	3.75	3.40	
$ 142 p-Terphenyl-d14	244	10.282	10.283	-0.001	98	1586405	7.50	7.08	
143 p-Dimethylamino azobenzene	225	10.421	10.422	-0.001	93	174908	3.75	3.29	
144 Chlorobenzilate	139	10.475	10.475	0.000	86	320174	3.75	3.14	
145 3,3'-Dimethylbenzidine	212	10.769	10.769	0.000	99	528811	3.75	3.13	
146 Butyl benzyl phthalate	149	10.796	10.796	0.000	93	470522	3.75	3.22	
147 2-Acetylaminofluorene	181	11.037	11.042	-0.005	93	298620	3.75	2.72	
148 3,3'-Dichlorobenzidine	252	11.374	11.379	-0.005	79	353869	3.75	3.28	
150 4,4'-Methylene bis(2-chloroani	231	11.384	11.384	0.000	95	176601	3.75	3.19	

Report Date: 29-Dec-2022 14:39:29 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2757.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.395	11.395	0.000	99	932922	3.75	3.42	
151 Chrysene	228	11.438	11.438	0.000	97	937018	3.75	3.43	
152 Bis(2-ethylhexyl) phthalate	149	11.475	11.475	0.000	95	616604	3.75	3.07	
153 6-Methylchrysene	242	12.005	12.005	0.000	100	600793	3.75	3.08	
154 Di-n-octyl phthalate	149	12.336	12.336	0.000	99	902169	3.75	3.01	
156 7,12-Dimethylbenz(a)anthracene	256	12.786	12.791	-0.005	71	401998	3.75	3.27	
155 Benzo[b]fluoranthene	252	12.786	12.791	-0.005	98	887404	3.75	3.39	
157 Benzo[k]fluoranthene	252	12.828	12.834	-0.006	99	971528	3.75	3.52	
158 Benzo[a]pyrene	252	13.246	13.246	0.000	80	734549	3.75	3.33	
* 159 Perylene-d12	264	13.326	13.326	0.000	97	1080288	5.00	5.00	
160 3-Methylcholanthrene	268	13.764	13.765	0.000	93	406595	3.75	3.18	
161 Dibenz[a,h]acridine	279	14.567	14.572	-0.005	91	575020	3.75	3.27	
162 Dibenz[a,j]acridine	279	14.647	14.652	-0.005	96	680788	3.75	3.18	
163 Indeno[1,2,3-cd]pyrene	276	14.920	14.925	-0.005	98	619161	3.75	3.16	M
164 Dibenz(a,h)anthracene	278	14.973	14.979	-0.006	95	788416	3.75	3.52	
165 Benzo[g,h,i]perylene	276	15.321	15.332	-0.011	96	784928	3.75	3.32	
S 166 Isosafrole	162				0		3.75	3.35	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_4_00025 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2022 14:39:29 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2757.D

Injection Date: 27-Dec-2022 20:53:33 Instrument ID: HP20296 Operator ID: mem41592

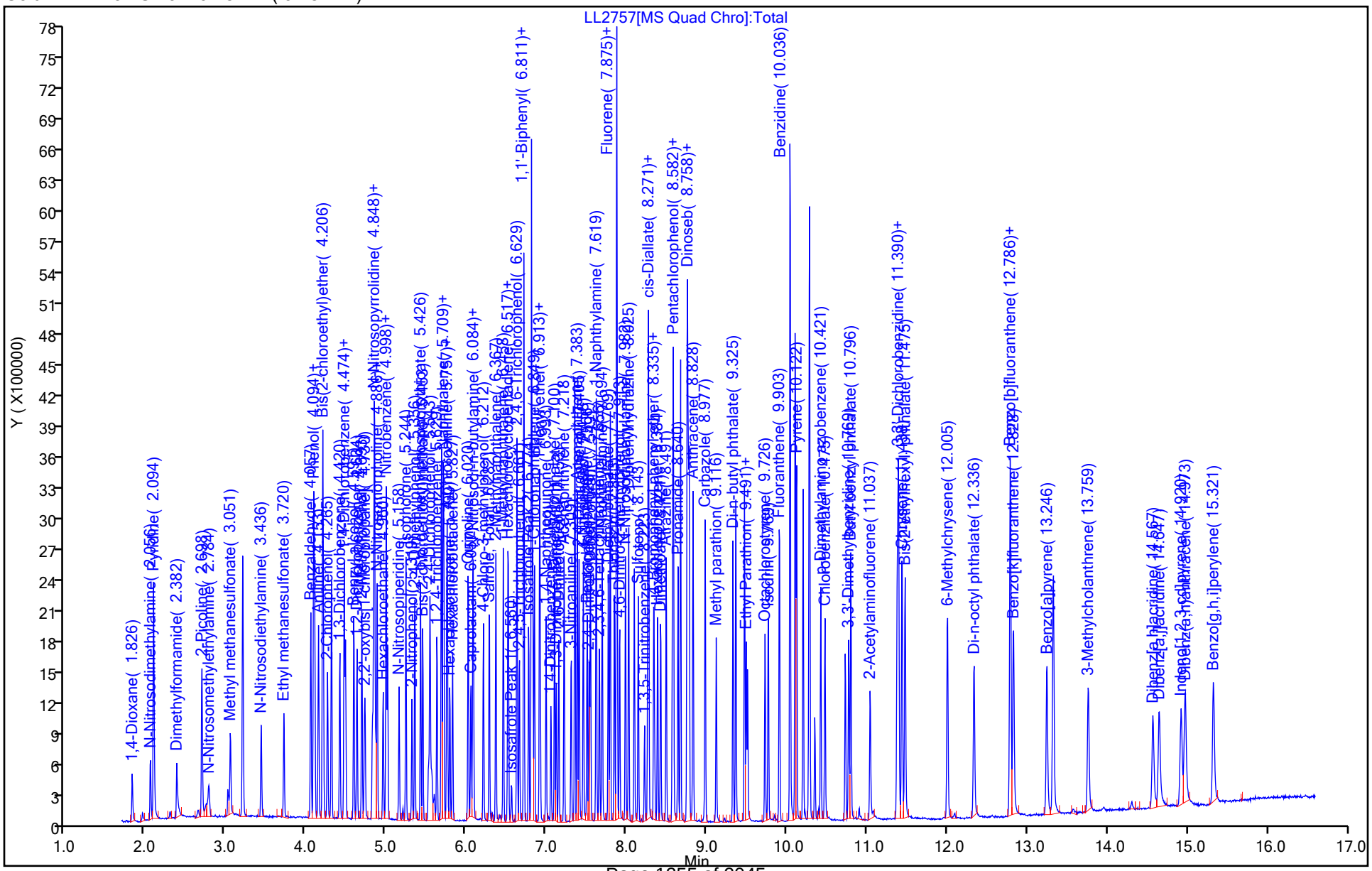
Lims ID: IC L4 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

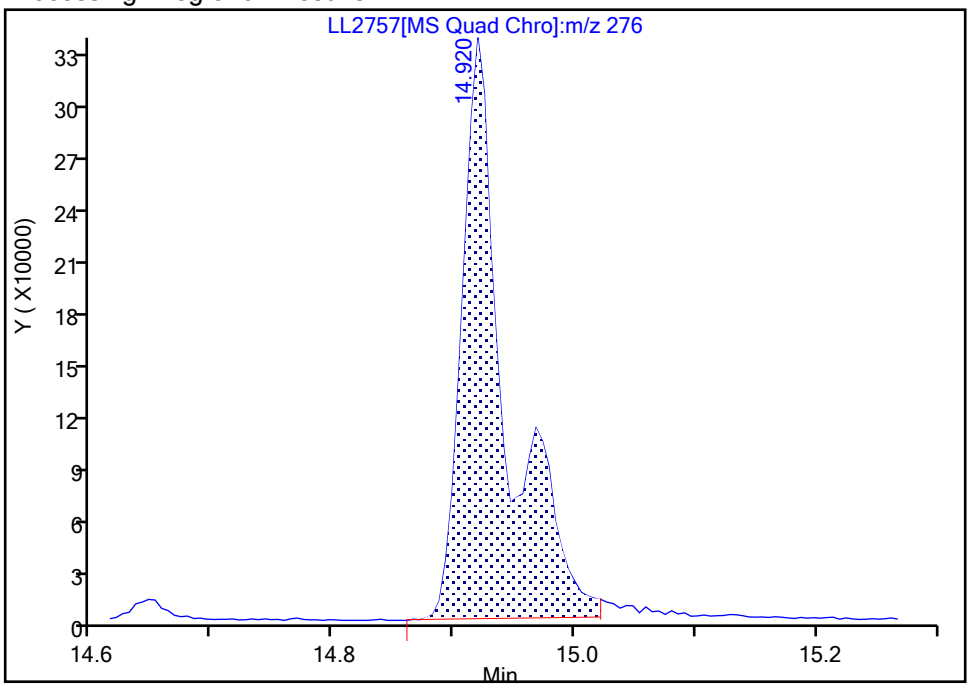
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2757.D				
Injection Date:	27-Dec-2022 20:53:33	Instrument ID:	HP20296		
Lims ID:	IC L4				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

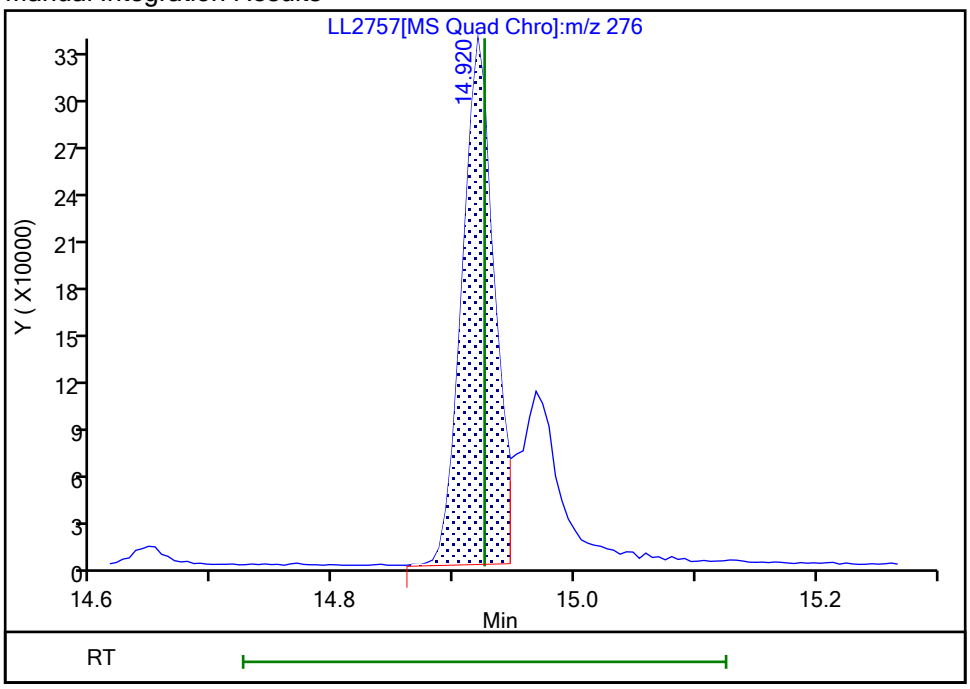
Processing Integration Results

RT: 14.92
Area: 866179
Amount: 3.850772
Amount Units: ug/ml



Manual Integration Results

RT: 14.92
Area: 619161
Amount: 3.164913
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 14:46:19

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\HP20296\20221227-74050.b\LL2758.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Dec-2022 21:14:35 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0074050-009
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub27

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:39:35 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 28-Dec-2022 14:49:05

	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	0.000	98	55795	1.25	1.39	
	2 N-Nitrosodimethylamine	74	2.062	2.056	0.006	93	83009	1.25	1.20	
	3 Pyridine	79	2.099	2.094	0.005	97	272132	2.50	2.48	
	4 Dimethylformamide	73	2.398	2.377	0.021	95	89984	1.25	1.19	
	5 2-Picoline	93	2.698	2.698	0.000	93	140792	1.25	1.27	
	6 N-Nitrosomethylethylamine	88	2.789	2.784	0.005	90	81433	1.25	1.54	
	9 Methyl methanesulfonate	80	3.056	3.057	-0.001	84	78653	1.25	1.22	
$	10 2-Fluorophenol	112	3.206	3.212	-0.006	96	183722	2.50	2.42	
	11 N-Nitrosodiethylamine	102	3.436	3.442	-0.006	95	55248	1.25	1.19	
	13 Ethyl methanesulfonate	109	3.720	3.725	-0.005	96	59076	1.25	1.21	
	15 Benzaldehyde	77	4.057	4.057	0.000	90	120696	1.25	1.26	
$	16 Phenol-d5	99	4.094	4.094	0.000	98	273515	2.50	2.35	
	17 Phenol	94	4.105	4.110	-0.005	98	140707	1.25	1.17	
	18 Aniline	93	4.153	4.153	0.000	95	181129	1.25	1.20	
	19 Bis(2-chloroethyl)ether	93	4.212	4.217	-0.005	93	127965	1.25	1.27	
	20 2-Chlorophenol	128	4.265	4.265	0.000	89	79547	1.25	1.18	
	22 1,3-Dichlorobenzene	146	4.420	4.420	0.000	91	92847	1.25	1.29	
*	24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	96	238133	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	91	92202	1.25	1.24	
	27 Benzyl alcohol	108	4.591	4.597	-0.006	89	72453	1.25	1.21	
	29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	89	86707	1.25	1.23	
	31 2-Methylphenol	108	4.693	4.699	-0.006	97	94227	1.25	1.19	
	32 2,2'-oxybis[1-chloropropane]	45	4.730	4.731	-0.001	93	168481	1.25	1.23	
	34 N-Nitrosopyrrolidine	100	4.827	4.832	-0.005	98	65451	1.25	1.22	
	36 4-Methylphenol	108	4.837	4.843	-0.006	97	98093	1.25	1.15	
	37 N-Nitrosodi-n-propylamine	70	4.848	4.854	-0.006	71	100509	1.25	1.17	
	35 Acetophenone	105	4.853	4.854	-0.001	91	168313	1.25	1.26	
	38 N-Nitrosomorpholine	56	4.864	4.870	-0.006	94	88632	1.25	1.22	
	39 2-Toluidine	106	4.886	4.886	0.000	95	183281	1.25	1.25	
	40 Hexachloroethane	117	4.960	4.961	-0.001	94	43127	1.25	1.27	

Report Date: 29-Dec-2022 14:39:36 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	4.998	4.998	0.000	87	282476	2.50	2.42	
42 Nitrobenzene	77	5.014	5.019	-0.005	87	139834	1.25	1.20	
44 N-Nitrosopiperidine	114	5.158	5.159	-0.001	84	54890	1.25	1.28	
46 Isophorone	82	5.244	5.244	0.000	98	262002	1.25	1.20	
47 2-Nitrophenol	139	5.319	5.319	0.000	91	38278	1.25	1.15	
48 2,4-Dimethylphenol	107	5.356	5.356	0.000	98	109081	1.25	1.21	
49 o,o',o''-Triethylphosphorothioat	198	5.426	5.431	-0.005	91	43160	1.25	1.19	
51 Bis(2-chloroethoxy)methane	93	5.453	5.453	0.000	96	159102	1.25	1.27	
52 2,4-Dichlorophenol	162	5.543	5.544	-0.001	94	64313	1.25	1.17	
54 1,2,4-Trichlorobenzene	180	5.629	5.629	0.000	92	77156	1.25	1.27	
* 55 Naphthalene-d8	136	5.688	5.688	0.000	99	994813	5.00	5.00	
56 Naphthalene	128	5.709	5.709	0.000	98	275121	1.25	1.29	
26 Alpha-Terpineol	59	5.715	5.715	0.000	92	112349	1.25	1.17	
57 4-Chloroaniline	127	5.752	5.758	-0.006	90	109620	1.25	1.19	
58 2,6-Dichlorophenol	162	5.763	5.763	0.000	90	62476	1.25	1.13	
59 Hexachloropropene	213	5.790	5.795	-0.005	91	53918	1.25	1.30	
60 Hexachlorobutadiene	225	5.827	5.827	0.000	95	43394	1.25	1.25	
62 Quinoline	129	6.019	6.020	-0.001	91	180945	1.25	1.23	
64 Caprolactam	113	6.052	6.068	-0.016	78	30843	1.25	1.20	
65 N-Nitrosodi-n-butylamine	84	6.078	6.079	0.000	92	108355	1.25	1.15	
33 p-Phenylene diamine	108	6.089	6.089	0.000	94	100287	1.25	1.10	
66 4-Chloro-3-methylphenol	107	6.212	6.212	0.000	93	90840	1.25	1.13	
67 Safrole, Total	162	6.282	6.287	-0.005	78	63150	1.25	1.19	
69 2-Methylnaphthalene	142	6.367	6.367	0.000	90	158954	1.25	1.25	
70 1-Methylnaphthalene	142	6.458	6.458	0.000	92	161187	1.25	1.22	
71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	96	54443	1.25	1.18	
72 1,2,4,5-Tetrachlorobenzene	216	6.522	6.522	0.000	97	80097	1.25	1.25	
73 Isosafrole Peak 1	162	6.560	6.560	0.000	75	11468	0.2000	0.1849	
74 2,4,6-Trichlorophenol	196	6.629	6.629	0.000	78	47133	1.25	1.17	
75 2,4,5-Trichlorophenol	196	6.661	6.662	-0.001	87	51230	1.25	1.13	
$ 76 2-Fluorobiphenyl (Surr)	172	6.715	6.715	0.000	99	389173	2.50	2.43	
77 Isosafrole Peak 2	162	6.774	6.779	-0.005	83	68141	1.05	0.9637	
79 1,1'-Biphenyl	154	6.811	6.811	0.000	97	209088	1.25	1.17	
80 2-Chloronaphthalene	162	6.827	6.827	0.000	97	172553	1.25	1.25	
81 1-Chloronaphthalene	162	6.849	6.849	0.000	96	162730	1.25	1.22	
82 Phenyl ether	170	6.913	6.913	0.000	89	112325	1.25	1.22	
83 2-Nitroaniline	138	6.918	6.924	-0.006	72	49087	1.25	1.10	
84 1,4-Naphthoquinone	158	6.993	6.993	0.000	78	64721	1.25	1.17	
85 1,4-Dinitrobenzene	168	7.052	7.057	-0.005	84	19983	1.25	0.9808	
86 Dimethyl phthalate	163	7.100	7.100	0.000	96	199351	1.25	1.22	
87 1,3-Dinitrobenzene	168	7.121	7.121	0.000	82	24272	1.25	1.04	
88 2,6-Dinitrotoluene	165	7.153	7.154	-0.001	80	39088	1.25	1.15	
90 Acenaphthylene	152	7.218	7.218	0.000	99	255795	1.25	1.21	
91 3-Nitroaniline	138	7.303	7.309	-0.006	85	39747	1.25	0.9878	
* 92 Acenaphthene-d10	164	7.351	7.351	0.000	94	589352	5.00	5.00	
93 Acenaphthene	153	7.383	7.384	-0.001	97	174991	1.25	1.21	
94 2,4-Dinitrophenol	184	7.405	7.410	-0.005	75	72360	5.00	4.04	M
96 4-Nitrophenol	109	7.458	7.464	-0.006	89	85677	3.75	3.19	
98 Pentachlorobenzene	250	7.506	7.507	-0.001	95	73805	1.25	1.19	
99 2,4-Dinitrotoluene	165	7.528	7.533	-0.005	82	50187	1.25	1.04	
100 Dibenzofuran	168	7.544	7.549	-0.005	96	246969	1.25	1.22	
101 1-Naphthylamine	143	7.619	7.619	0.000	96	176121	1.25	1.20	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.656	7.662	-0.006	77	42745	1.25	1.14	
103 2-Naphthylamine	143	7.694	7.694	0.000	93	188169	1.25	1.18	
104 Diethyl phthalate	149	7.768	7.774	-0.006	96	191753	1.25	1.16	
106 Thionazin	107	7.843	7.849	-0.006	78	45307	1.25	1.26	
105 Fluorene	166	7.870	7.870	0.000	92	201408	1.25	1.23	
108 4-Chlorophenyl phenyl ether	204	7.875	7.876	-0.001	83	96624	1.25	1.27	
107 N-Nitro-o-toluidine	152	7.875	7.881	-0.006	70	49785	1.25	1.07	
109 4-Nitroaniline	138	7.875	7.886	-0.011	78	47969	1.25	1.13	
110 4,6-Dinitro-2-methylphenol	198	7.908	7.913	-0.005	69	72774	3.75	3.16	
111 N-Nitrosodiphenylamine	169	7.982	7.988	-0.006	98	137606	1.06	1.04	
112 1,2-Diphenylhydrazine	77	8.025	8.025	0.000	99	311667	1.25	1.21	
$ 113 2,4,6-Tribromophenol	330	8.095	8.100	-0.005	92	58861	2.50	2.34	
114 Sulfotepp	97	8.143	8.143	0.000	81	49143	1.25	1.23	
175 1,3,5-Trinitrobenzene	213	8.223	8.229	-0.006	81	15184	1.25	1.03	
115 cis-Diallate	86	8.261	8.261	0.000	77	98120	0.9250	0.8583	
116 Phorate	75	8.271	8.271	0.000	93	194426	1.25	1.17	
117 Phenacetin	108	8.271	8.277	-0.006	67	117509	1.25	1.14	
118 4-Bromophenyl phenyl ether	248	8.341	8.341	0.000	75	55611	1.25	1.26	
119 trans-Diallate	86	8.346	8.346	0.000	95	38355	0.3250	0.3453	
120 Hexachlorobenzene	284	8.389	8.389	0.000	93	63367	1.25	1.19	
121 Dimethoate	87	8.421	8.427	-0.006	96	113390	1.25	1.15	
122 Atrazine	200	8.491	8.496	-0.005	85	55571	1.25	1.27	
123 Pentachlorophenol	266	8.571	8.576	-0.005	91	57530	2.50	2.08	
124 4-Aminobiphenyl	169	8.581	8.582	-0.001	92	223152	1.25	1.17	
125 Pentachloronitrobenzene	237	8.581	8.587	-0.006	84	25985	1.25	1.17	
126 Pronamide	173	8.640	8.641	0.000	90	85432	1.25	1.15	
128 Dinoseb	211	8.753	8.753	0.000	93	36053	1.25	1.17	
* 127 Phenanthrene-d10	188	8.758	8.758	0.000	96	1113819	5.00	5.00	
68 Disulfoton	88	8.769	8.769	0.000	94	216656	1.25	1.20	
129 Phenanthrene	178	8.779	8.780	-0.001	97	293581	1.25	1.22	
130 Anthracene	178	8.828	8.828	0.000	98	290732	1.25	1.21	
S 53 Dinitrotoluene	165				0			2.19	
131 Carbazole	167	8.977	8.983	-0.006	96	264512	1.25	1.20	
132 Methyl parathion	109	9.116	9.117	-0.001	88	71028	1.25	1.08	
133 Di-n-butyl phthalate	149	9.325	9.325	0.000	100	297779	1.25	1.14	
134 Ethyl Parathion	109	9.491	9.491	0.000	82	38433	1.25	0.9512	
135 4-Nitroquinoline-1-oxide	190	9.512	9.512	0.000	76	17200	1.25	0.7860	
S 63 Diallate	86				0		1.25	1.20	
136 Octachlorostyrene	308	9.726	9.726	0.000	92	27622	1.25	1.32	
137 Isodrin	193	9.764	9.769	-0.005	88	37965	1.25	1.25	
138 Fluoranthene	202	9.908	9.908	0.000	99	287599	1.25	1.17	
139 Benzidine	184	10.036	10.042	-0.006	99	536810	3.75	3.33	
* 140 Pyrene-d10 (IS)	212	10.106	10.106	0.000	99	1089447	5.00	5.00	
141 Pyrene	202	10.122	10.122	0.000	96	331194	1.25	1.22	
$ 142 p-Terphenyl-d14	244	10.282	10.283	-0.001	98	459438	2.50	2.50	
143 p-Dimethylamino azobenzene	225	10.421	10.422	-0.001	91	46468	1.25	1.07	
144 Chlorobenzilate	139	10.475	10.475	0.000	85	94043	1.25	1.13	
145 3,3'-Dimethylbenzidine	212	10.769	10.769	0.000	99	139663	1.25	1.01	
146 Butyl benzyl phthalate	149	10.796	10.796	0.000	93	121333	1.25	1.01	
147 2-Acetylaminofluorene	181	11.037	11.042	-0.006	95	72829	1.25	0.8097	
148 3,3'-Dichlorobenzidine	252	11.373	11.379	-0.006	77	94142	1.25	1.07	
150 4,4'-Methylene bis(2-chloroani	231	11.384	11.384	0.000	94	49440	1.25	1.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	11.395	11.395	0.000	99	249600	1.25	1.12	
151 Chrysene	228	11.438	11.438	0.000	97	257315	1.25	1.15	
152 Bis(2-ethylhexyl) phthalate	149	11.475	11.475	0.000	95	154854	1.25	0.9414	M
153 6-Methylchrysene	242	11.999	12.005	-0.006	98	173811	1.25	1.09	
154 Di-n-octyl phthalate	149	12.331	12.336	-0.005	99	218085	1.25	0.9149	
156 7,12-Dimethylbenz(a)anthracene	256	12.786	12.791	-0.005	71	106122	1.25	1.09	
155 Benzo[b]fluoranthene	252	12.786	12.791	-0.005	97	247951	1.25	1.19	
157 Benzo[k]fluoranthene	252	12.823	12.834	-0.011	98	262157	1.25	1.20	
158 Benzo[a]pyrene	252	13.240	13.246	-0.006	79	202936	1.25	1.16	
* 159 Perylene-d12	264	13.326	13.326	0.000	96	859075	5.00	5.00	
160 3-Methylcholanthrene	268	13.759	13.765	-0.005	93	112645	1.25	1.11	
161 Dibenz[a,h]acridine	279	14.567	14.572	-0.005	92	154875	1.25	1.11	
162 Dibenz[a,j]acridine	279	14.641	14.652	-0.011	95	178037	1.25	1.05	
163 Indeno[1,2,3-cd]pyrene	276	14.914	14.925	-0.011	98	178130	1.25	1.14	M
164 Dibenz(a,h)anthracene	278	14.968	14.979	-0.011	93	195988	1.25	1.10	
165 Benzo[g,h,i]perylene	276	15.321	15.332	-0.011	96	214848	1.25	1.14	
S 166 Isosafrole	162				0		1.25	1.15	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_3_00025 Amount Added: 1.00 Units: mL

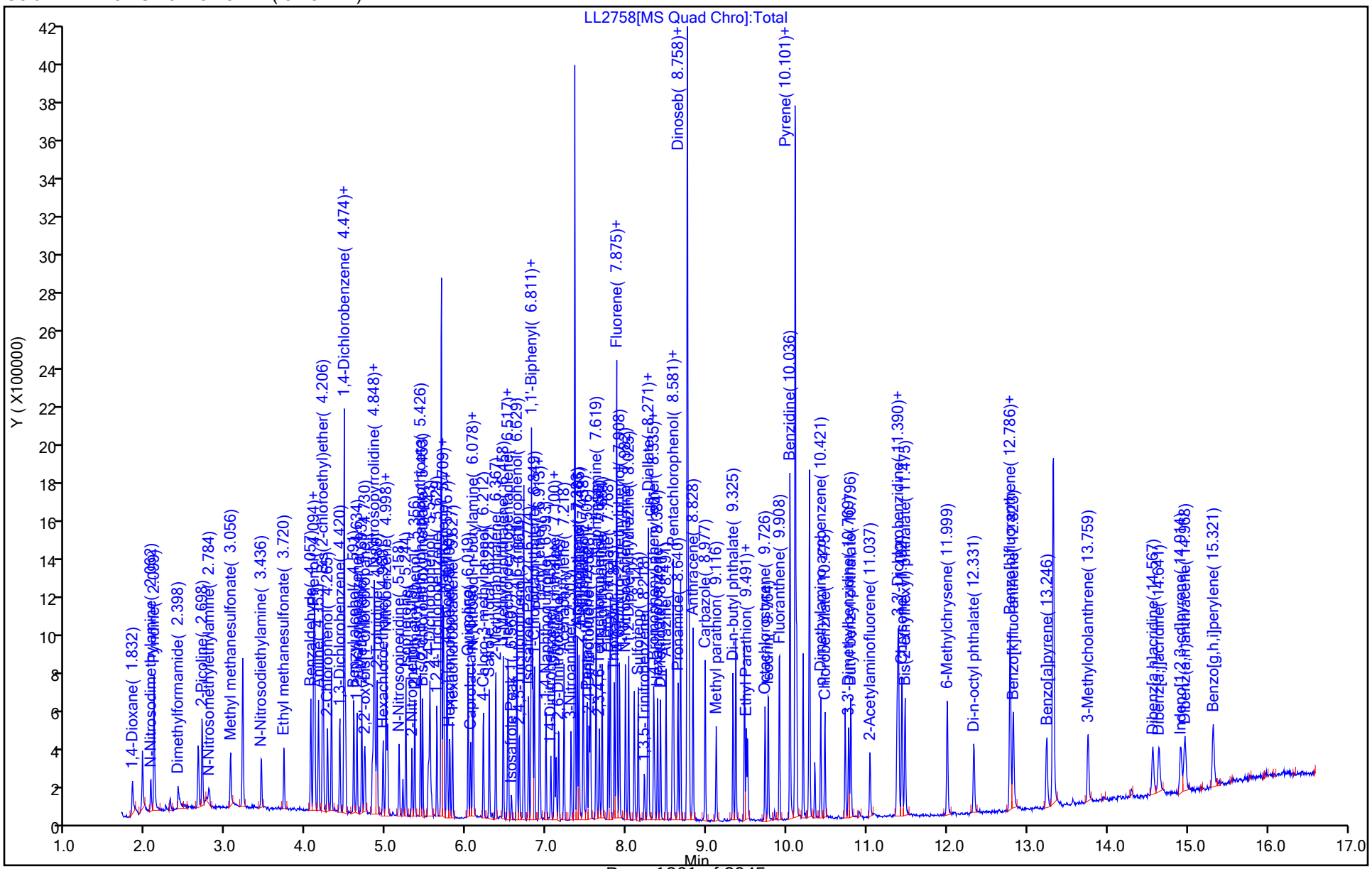
Report Date: 29-Dec-2022 14:39:36 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Injection Date:	27-Dec-2022 21:14:35	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	IC L3			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

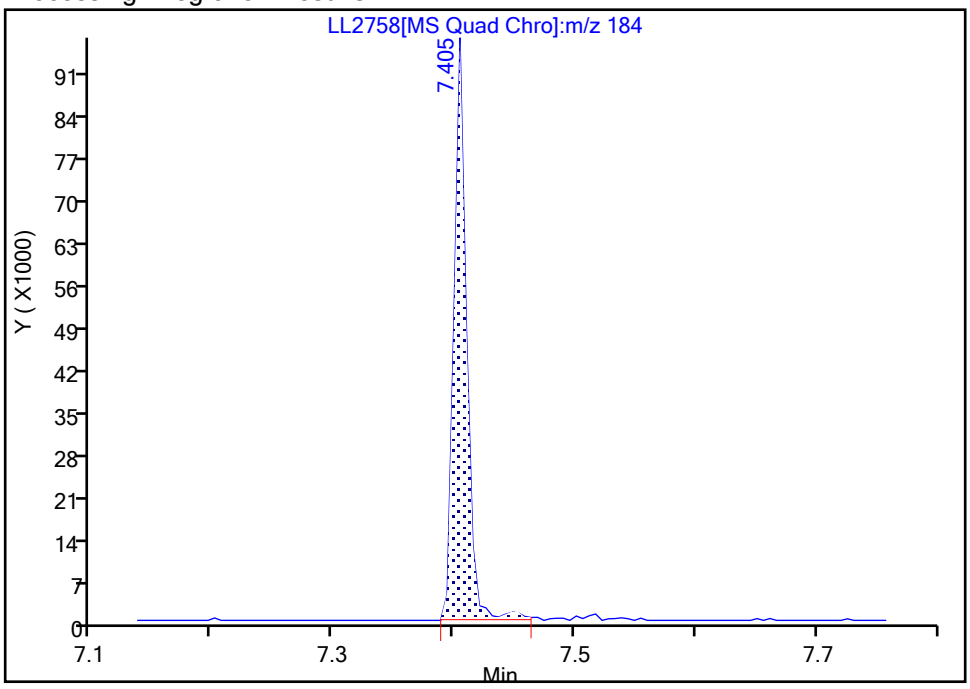
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D				
Injection Date:	27-Dec-2022 21:14:35	Instrument ID:	HP20296		
Lims ID:	IC L3				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

94 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

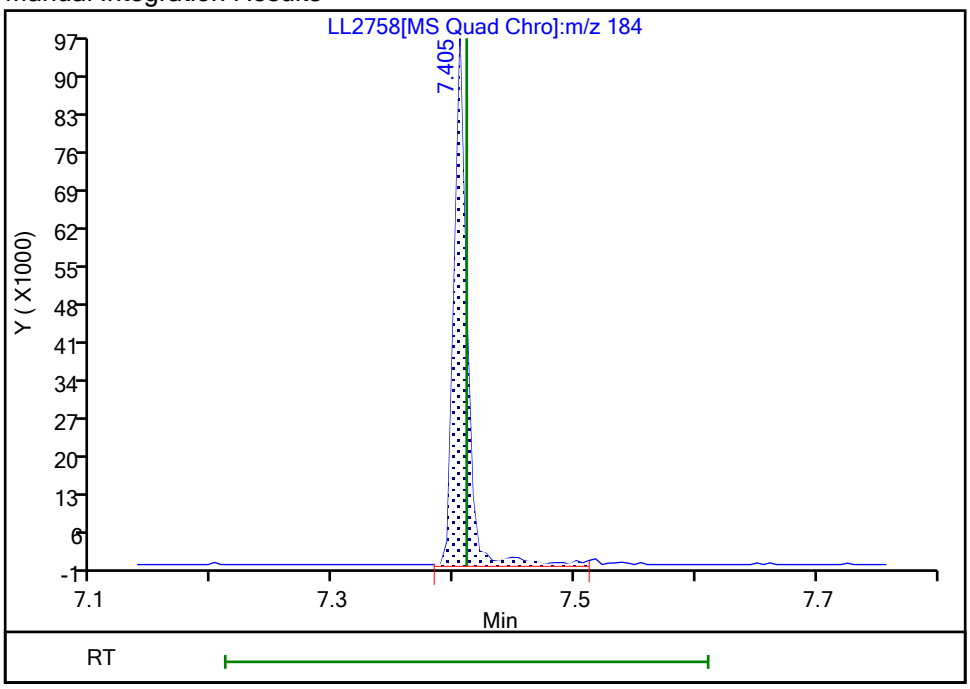
Processing Integration Results

RT: 7.40
Area: 70392
Amount: 5.191881
Amount Units: ug/ml



Manual Integration Results

RT: 7.40
Area: 72360
Amount: 4.036384
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 15:20:23

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

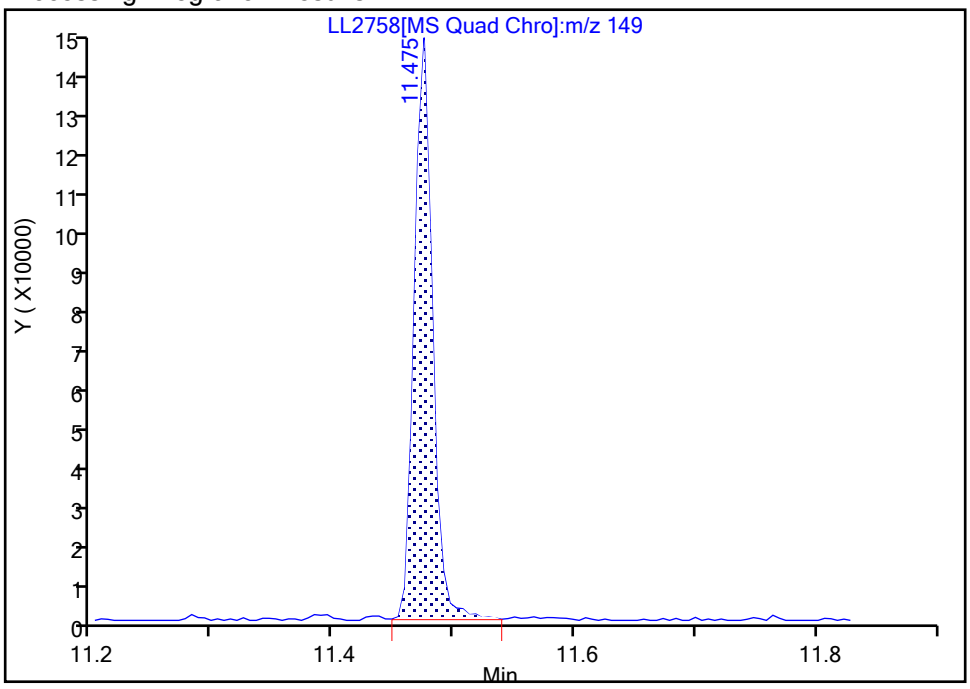
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D				
Injection Date:	27-Dec-2022 21:14:35	Instrument ID:	HP20296		
Lims ID:	IC L3				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

152 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

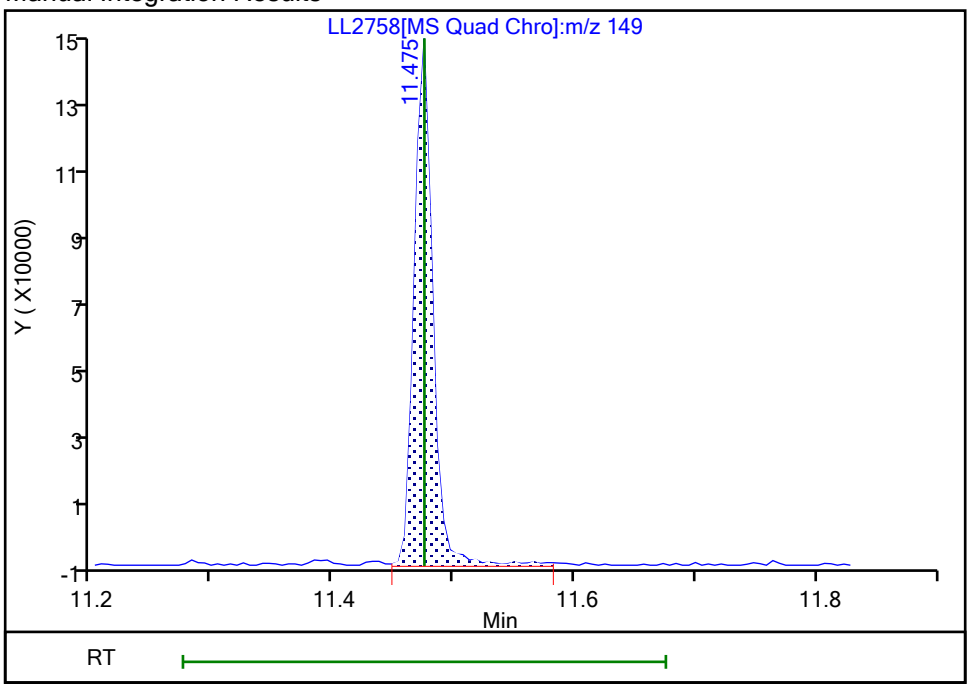
Processing Integration Results

RT: 11.48
Area: 152943
Amount: 1.301666
Amount Units: ug/ml



Manual Integration Results

RT: 11.48
Area: 154854
Amount: 0.941375
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 15:36:19

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

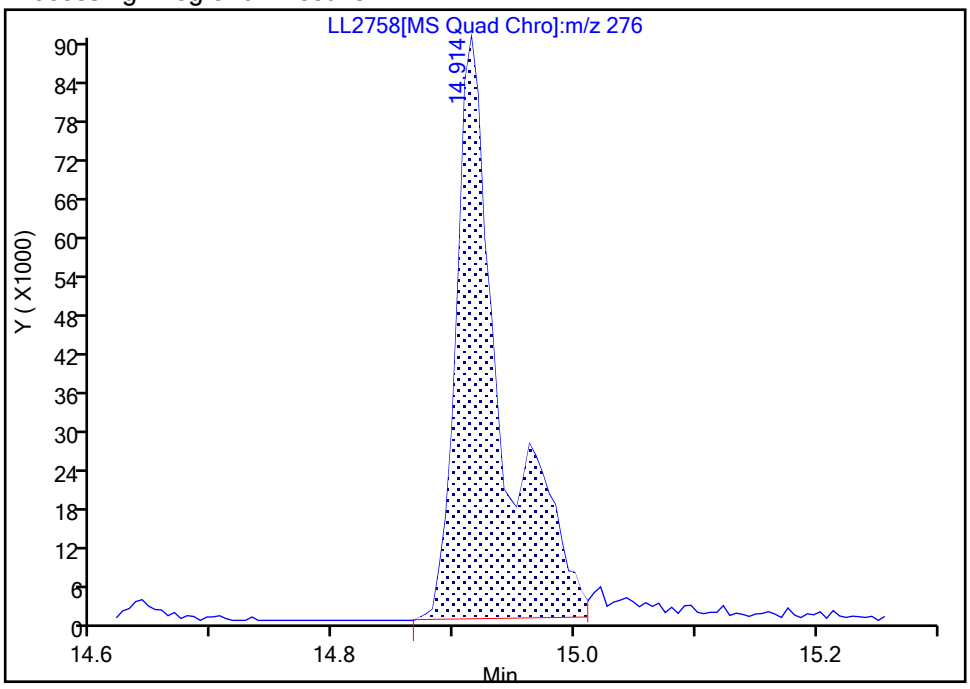
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D				
Injection Date:	27-Dec-2022 21:14:35	Instrument ID:	HP20296		
Lims ID:	IC L3				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

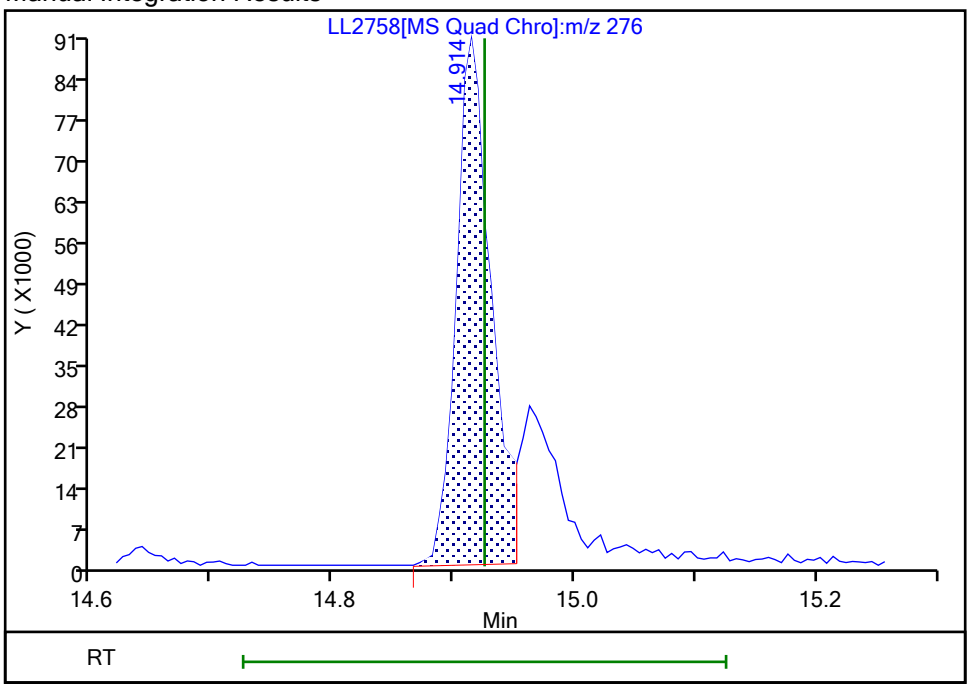
Processing Integration Results

RT: 14.91
Area: 233496
Amount: 1.347212
Amount Units: ug/ml



Manual Integration Results

RT: 14.91
Area: 178130
Amount: 1.144995
Amount Units: ug/ml



Reviewer: P7EB, 28-Dec-2022 14:47:46

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

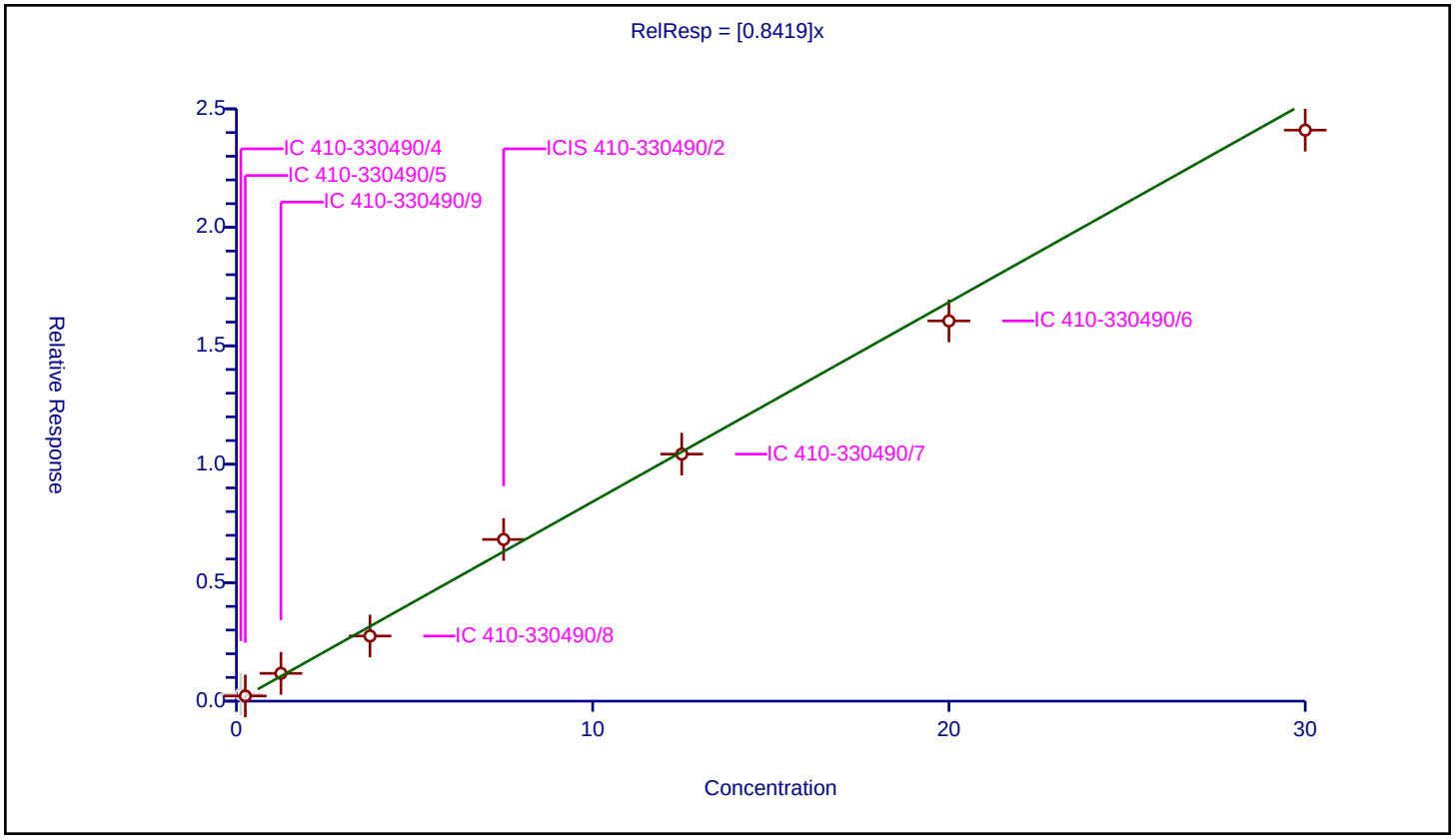
Curve Coefficients

Intercept:	0
Slope:	0.8419

Error Coefficients

Standard Error:	611000
Relative Standard Error:	8.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.290069	5.0	222430.0	2.32055	N
2	IC 410-330490/5	0.25	0.218142	5.0	201016.0	0.872567	Y
3	IC 410-330490/9	1.25	1.171509	5.0	238133.0	0.937207	Y
4	IC 410-330490/8	3.75	2.749463	5.0	277416.0	0.73319	Y
5	ICIS 410-330490/2	7.5	6.824958	5.0	185070.0	0.909994	Y
6	IC 410-330490/7	12.5	10.428054	5.0	246978.0	0.834244	Y
7	IC 410-330490/6	20.0	16.050816	5.0	240218.0	0.802541	Y
8	IC 410-330490/3	30.0	24.102449	5.0	235825.0	0.803415	Y



Calibration / N-Nitrosodimethylamine

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

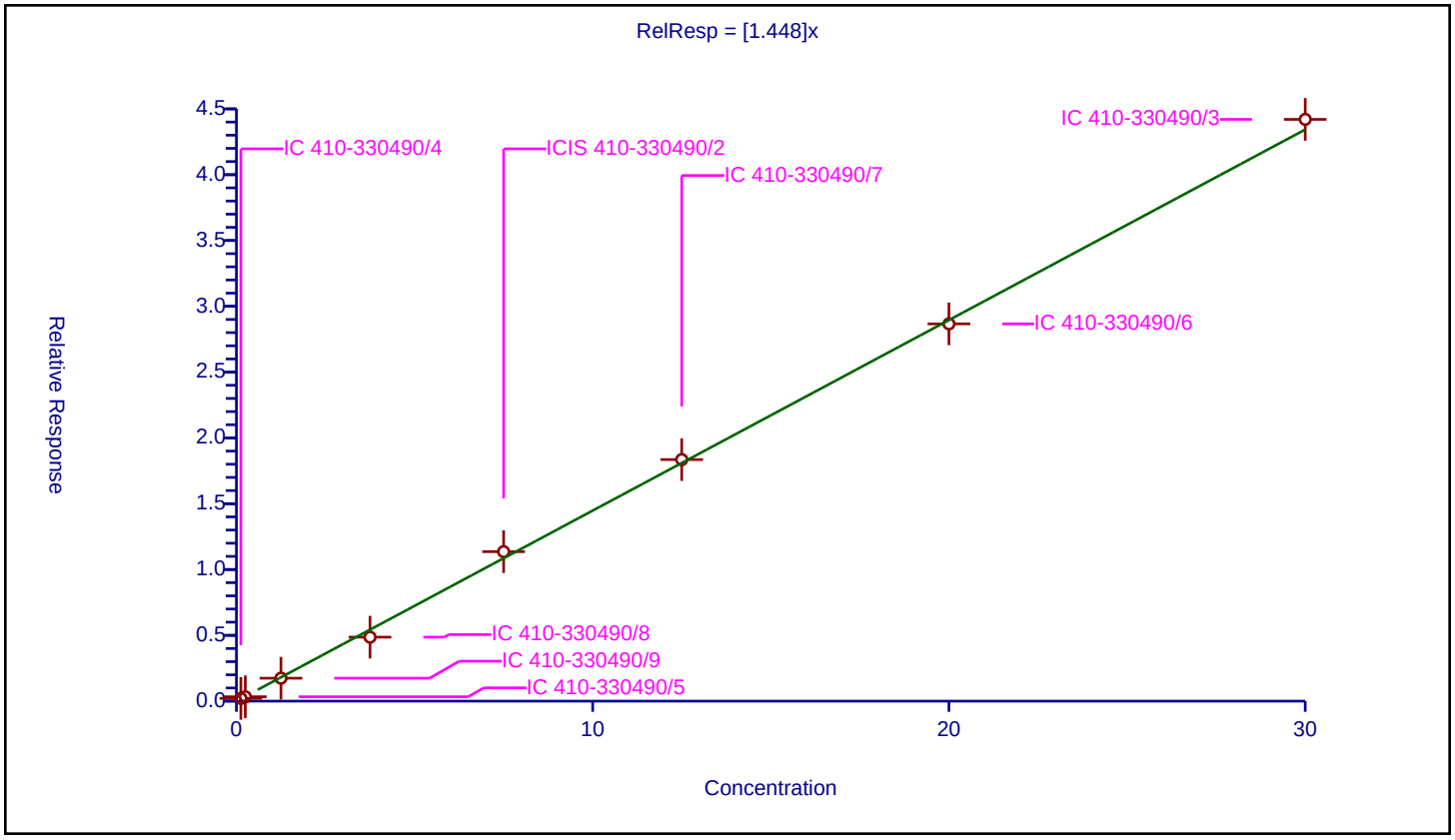
Curve Coefficients

Intercept:	0
Slope:	1.448

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	8.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.20865	5.0	222430.0	1.669199	Y
2	IC 410-330490/5	0.25	0.332909	5.0	201016.0	1.331635	Y
3	IC 410-330490/9	1.25	1.742913	5.0	238133.0	1.39433	Y
4	IC 410-330490/8	3.75	4.862156	5.0	277416.0	1.296575	Y
5	ICIS 410-330490/2	7.5	11.357757	5.0	185070.0	1.514368	Y
6	IC 410-330490/7	12.5	18.353882	5.0	246978.0	1.468311	Y
7	IC 410-330490/6	20.0	28.666857	5.0	240218.0	1.433343	Y
8	IC 410-330490/3	30.0	44.203286	5.0	235825.0	1.473443	Y



Calibration / Pyridine

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

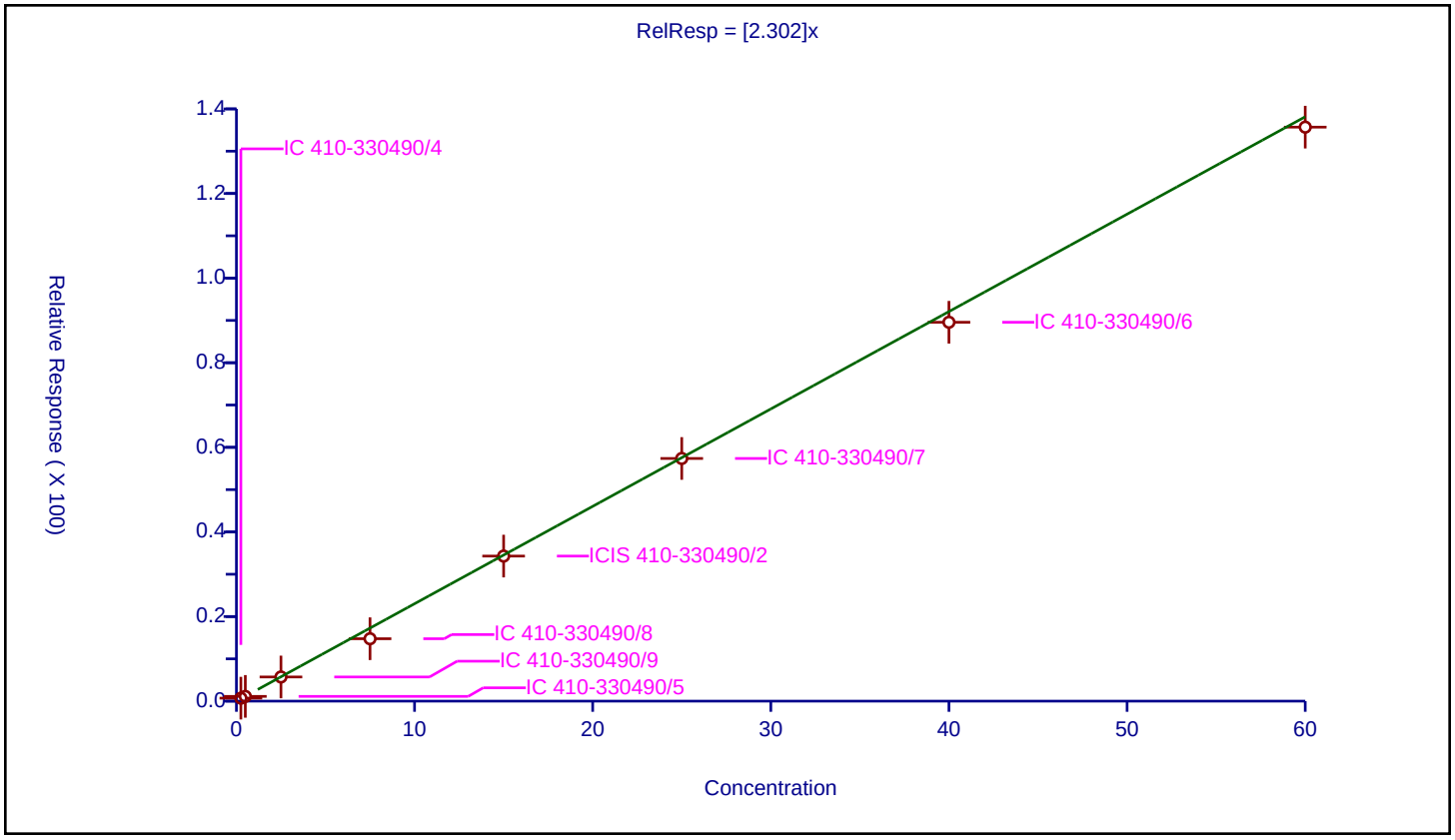
Curve Coefficients

Intercept:	0
Slope:	2.302

Error Coefficients

Standard Error:	3160000
Relative Standard Error:	10.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.25	0.710718	5.0	222430.0	2.842872	Y
2	IC 410-330490/5	0.5	1.120781	5.0	201016.0	2.241563	Y
3	IC 410-330490/9	2.5	5.713866	5.0	238133.0	2.285546	Y
4	IC 410-330490/8	7.5	14.752448	5.0	277416.0	1.966993	Y
5	ICIS 410-330490/2	15.0	34.289377	5.0	185070.0	2.285958	Y
6	IC 410-330490/7	25.0	57.364826	5.0	246978.0	2.294593	Y
7	IC 410-330490/6	40.0	89.564188	5.0	240218.0	2.239105	Y
8	IC 410-330490/3	60.0	135.687141	5.0	235825.0	2.261452	Y



Calibration / Dimethylformamide

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

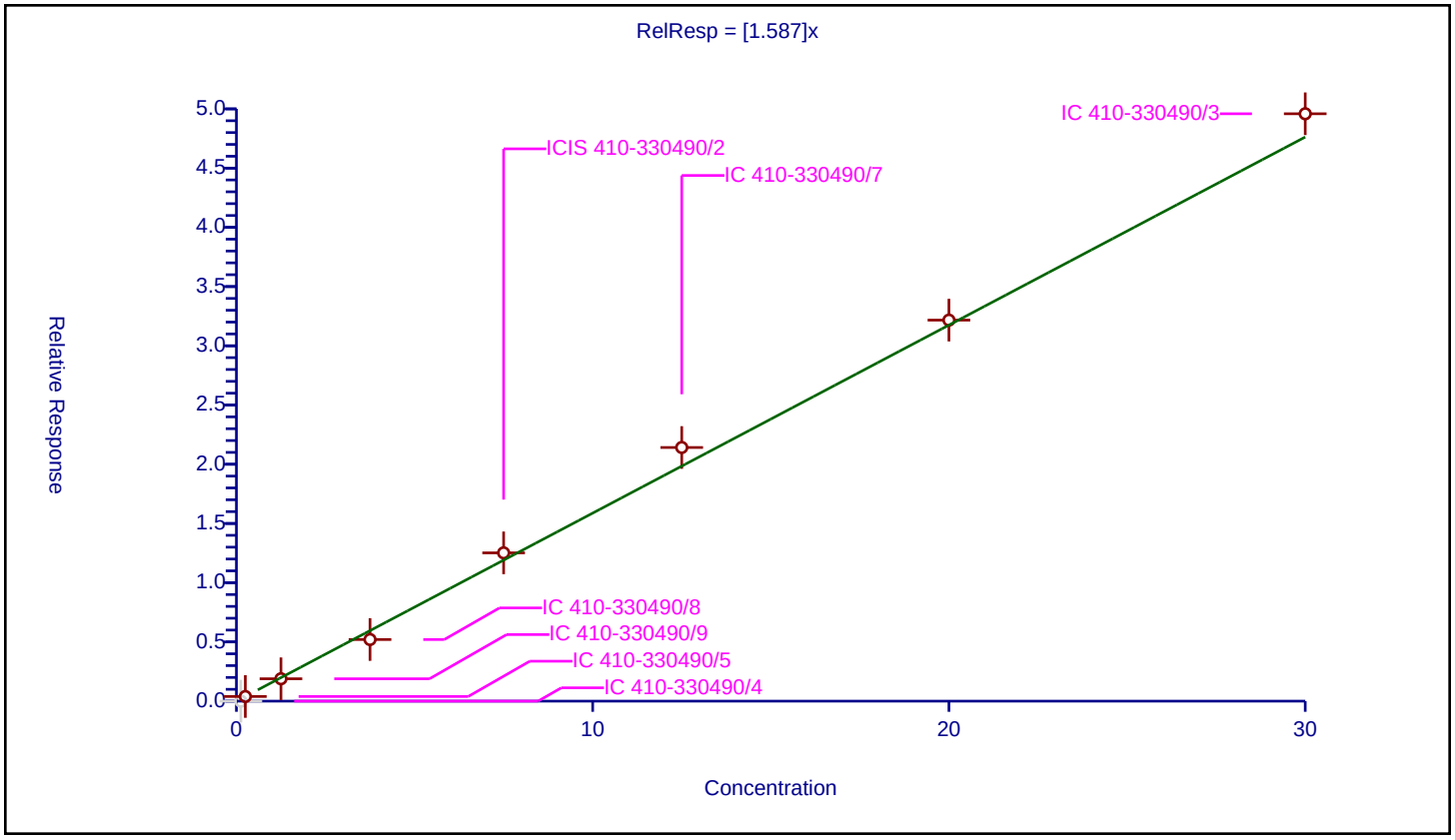
Curve Coefficients

Intercept:	0
Slope:	1.587

Error Coefficients

Standard Error:	1240000
Relative Standard Error:	7.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.0	5.0	222430.0	0.0	N
2	IC 410-330490/5	0.25	0.392456	5.0	201016.0	1.569825	Y
3	IC 410-330490/9	1.25	1.889364	5.0	238133.0	1.511491	Y
4	IC 410-330490/8	3.75	5.201124	5.0	277416.0	1.386966	Y
5	ICIS 410-330490/2	7.5	12.519182	5.0	185070.0	1.669224	Y
6	IC 410-330490/7	12.5	21.4146	5.0	246978.0	1.713168	Y
7	IC 410-330490/6	20.0	32.165991	5.0	240218.0	1.6083	Y
8	IC 410-330490/3	30.0	49.587809	5.0	235825.0	1.652927	Y



Calibration / 2-Picoline

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

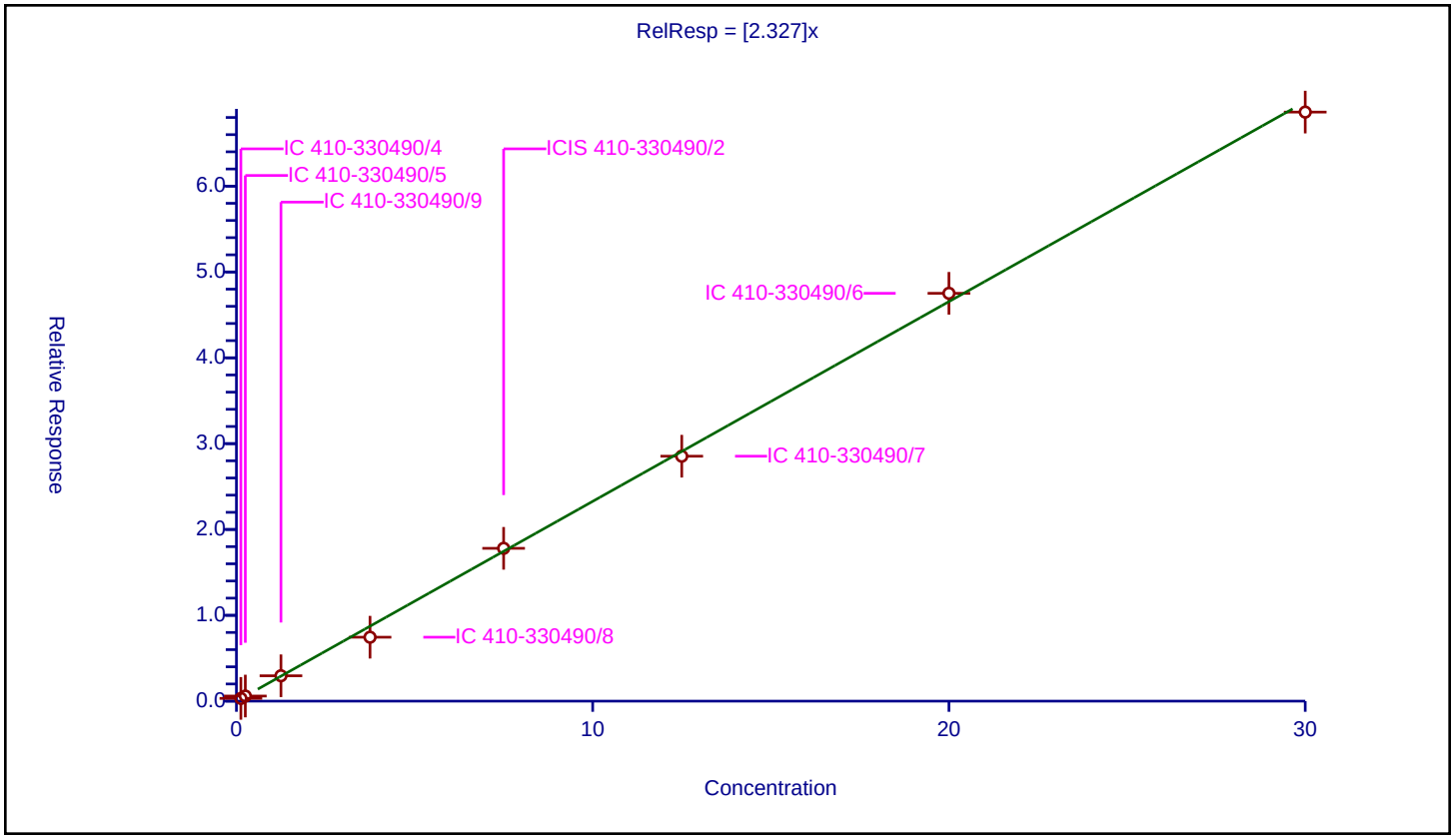
Curve Coefficients

Intercept:	0
Slope:	2.327

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	7.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.321404	5.0	222430.0	2.571236	Y
2	IC 410-330490/5	0.25	0.594231	5.0	201016.0	2.376925	Y
3	IC 410-330490/9	1.25	2.956163	5.0	238133.0	2.364931	Y
4	IC 410-330490/8	3.75	7.448164	5.0	277416.0	1.986177	Y
5	ICIS 410-330490/2	7.5	17.804858	5.0	185070.0	2.373981	Y
6	IC 410-330490/7	12.5	28.536287	5.0	246978.0	2.282903	Y
7	IC 410-330490/6	20.0	47.51534	5.0	240218.0	2.375767	Y
8	IC 410-330490/3	30.0	68.628708	5.0	235825.0	2.287624	Y



Calibration / N-Nitrosomethylethylamine

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

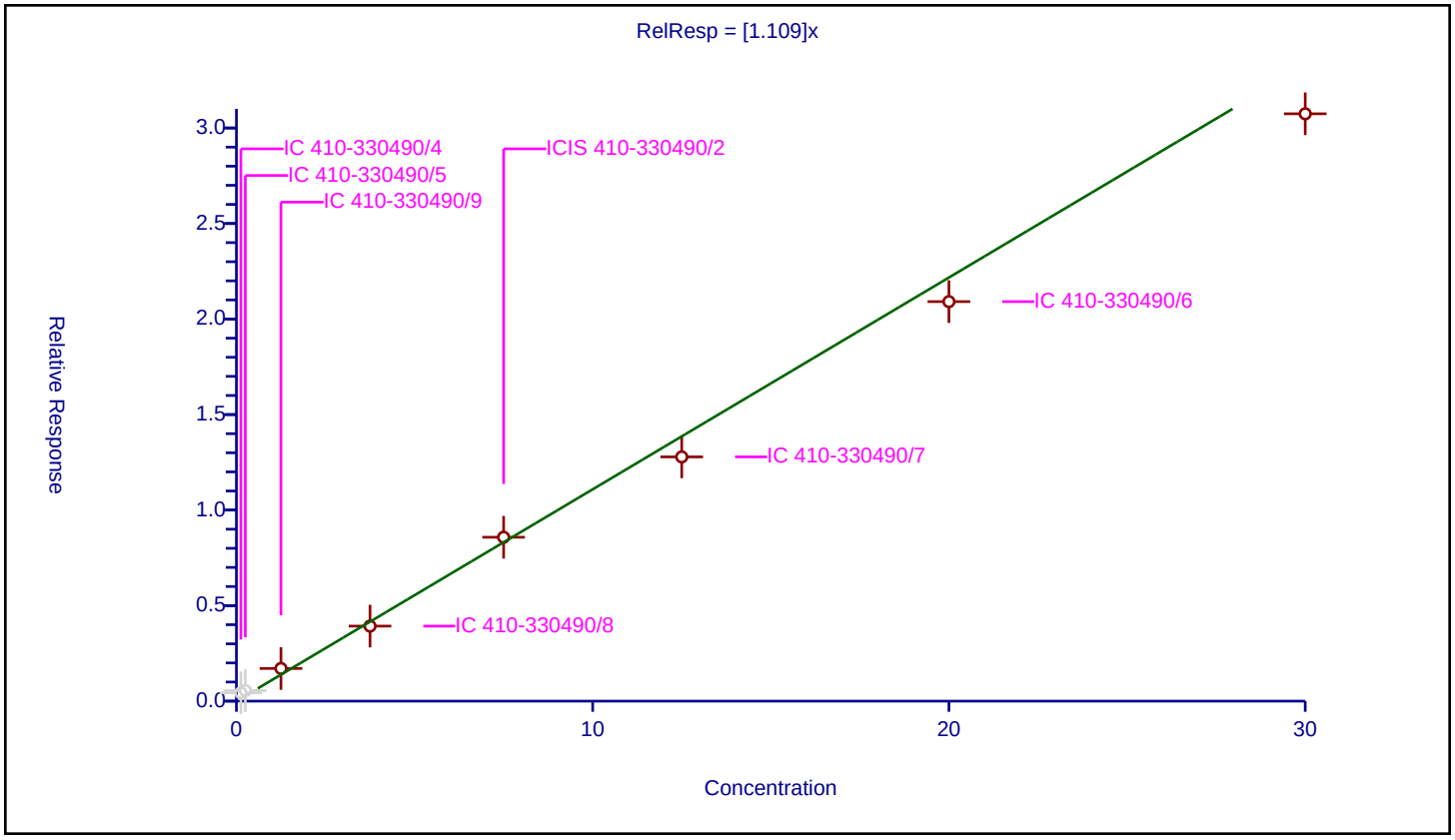
Curve Coefficients

Intercept:	0
Slope:	1.109

Error Coefficients

Standard Error:	856000
Relative Standard Error:	12.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.437733	5.0	222430.0	3.501866	N
2	IC 410-330490/5	0.25	0.552643	5.0	201016.0	2.21057	N
3	IC 410-330490/9	1.25	1.709822	5.0	238133.0	1.367857	Y
4	IC 410-330490/8	3.75	3.927423	5.0	277416.0	1.047313	Y
5	ICIS 410-330490/2	7.5	8.578646	5.0	185070.0	1.143819	Y
6	IC 410-330490/7	12.5	12.784519	5.0	246978.0	1.022762	Y
7	IC 410-330490/6	20.0	20.912047	5.0	240218.0	1.045602	Y
8	IC 410-330490/3	30.0	30.743496	5.0	235825.0	1.024783	Y



Calibration / Methyl methanesulfonate

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

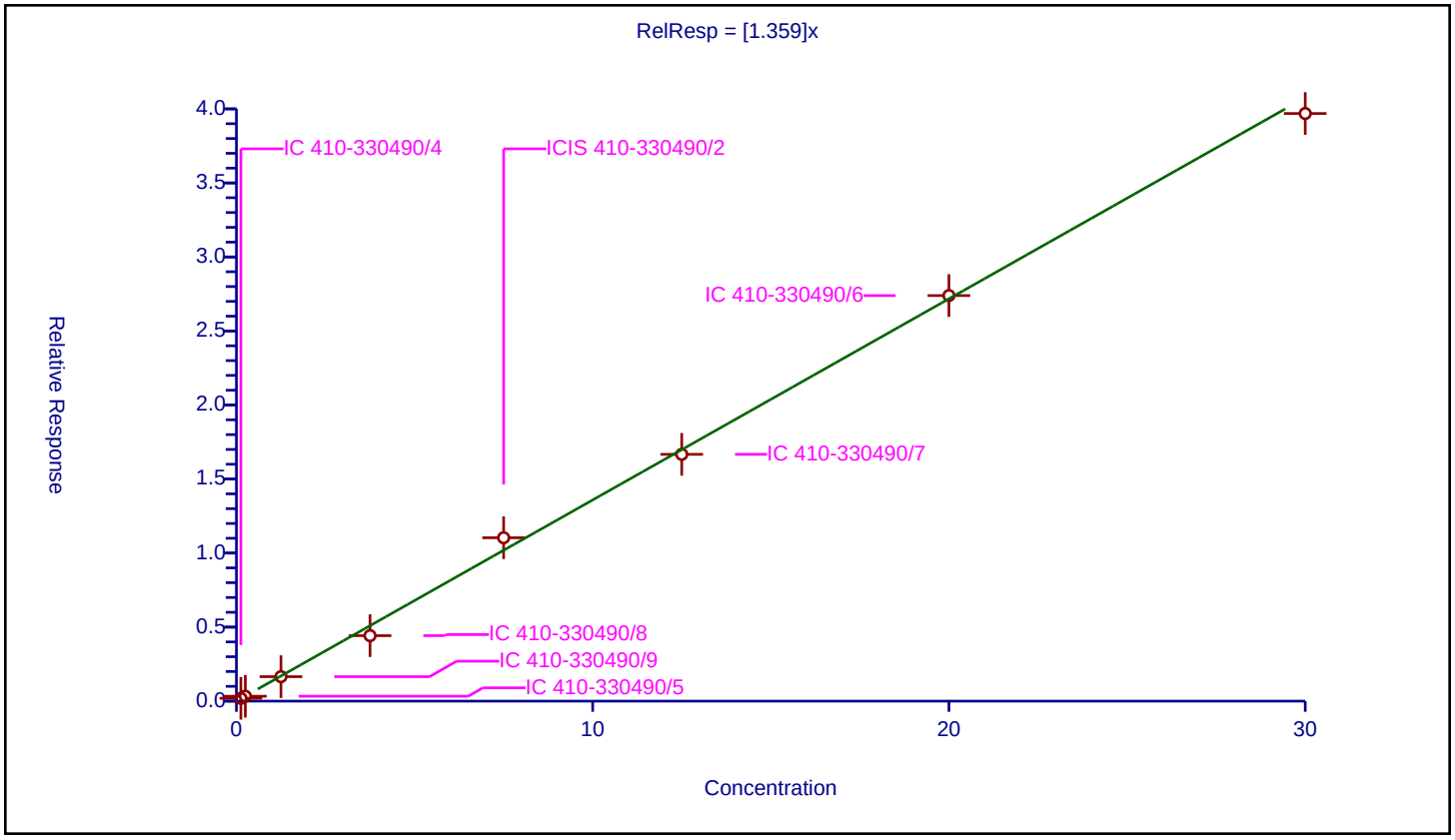
Curve Coefficients

Intercept:	0
Slope:	1.359

Error Coefficients

Standard Error:	937000
Relative Standard Error:	8.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.192712	5.0	222430.0	1.541699	Y
2	IC 410-330490/5	0.25	0.332511	5.0	201016.0	1.330043	Y
3	IC 410-330490/9	1.25	1.651451	5.0	238133.0	1.321161	Y
4	IC 410-330490/8	3.75	4.422456	5.0	277416.0	1.179322	Y
5	ICIS 410-330490/2	7.5	11.034825	5.0	185070.0	1.47131	Y
6	IC 410-330490/7	12.5	16.668813	5.0	246978.0	1.333505	Y
7	IC 410-330490/6	20.0	27.391931	5.0	240218.0	1.369597	Y
8	IC 410-330490/3	30.0	39.689622	5.0	235825.0	1.322987	Y



Calibration / 2-Fluorophenol

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

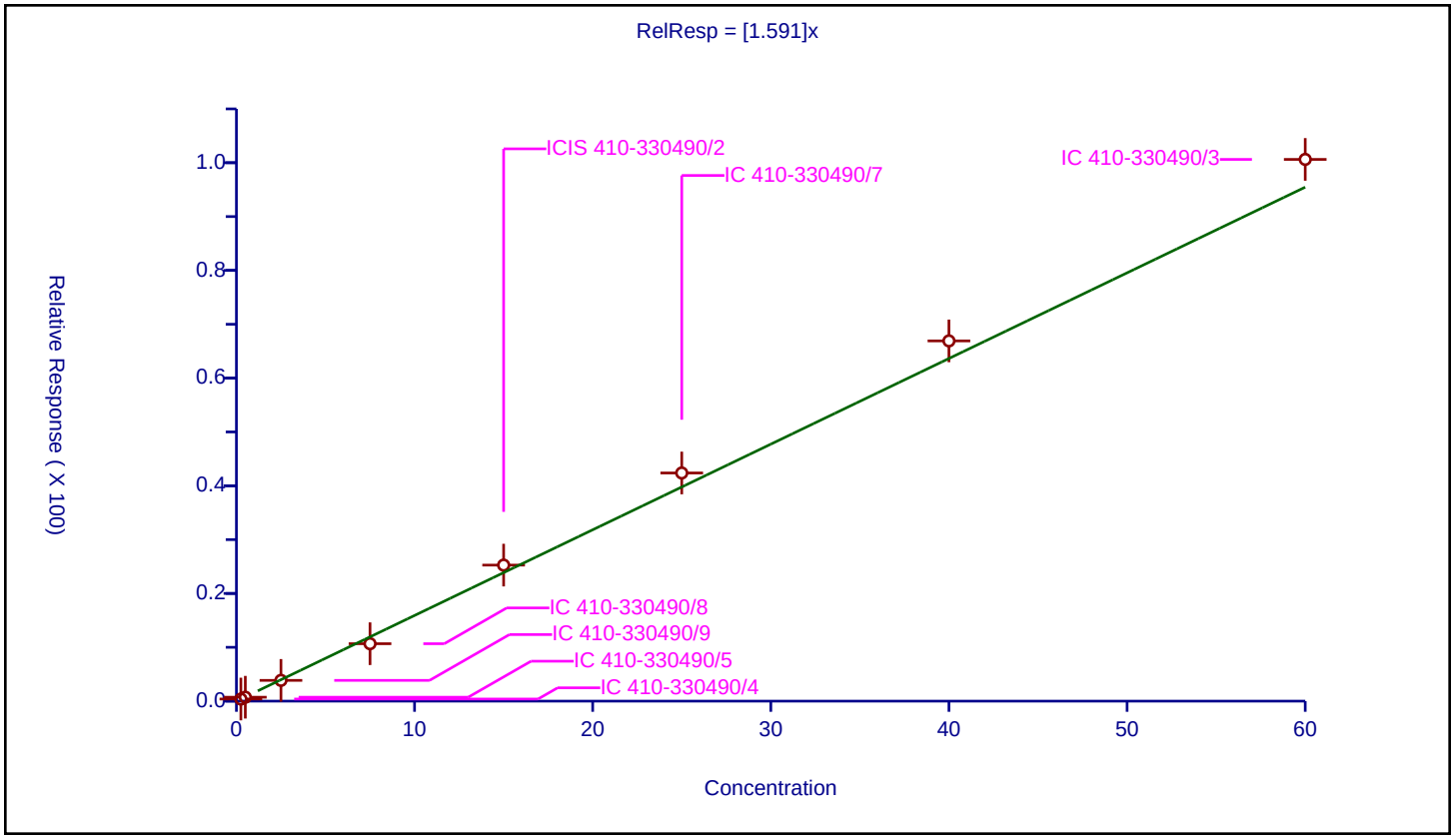
Curve Coefficients

Intercept:	0
Slope:	1.591

Error Coefficients

Standard Error:	2350000
Relative Standard Error:	6.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.25	0.393337	5.0	222430.0	1.573349	Y
2	IC 410-330490/5	0.5	0.729967	5.0	201016.0	1.459934	Y
3	IC 410-330490/9	2.5	3.85755	5.0	238133.0	1.54302	Y
4	IC 410-330490/8	7.5	10.668869	5.0	277416.0	1.422516	Y
5	ICIS 410-330490/2	15.0	25.264819	5.0	185070.0	1.684321	Y
6	IC 410-330490/7	25.0	42.377499	5.0	246978.0	1.6951	Y
7	IC 410-330490/6	40.0	66.9081	5.0	240218.0	1.672703	Y
8	IC 410-330490/3	60.0	100.616262	5.0	235825.0	1.676938	Y



Calibration / N-Nitrosodiethylamine

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

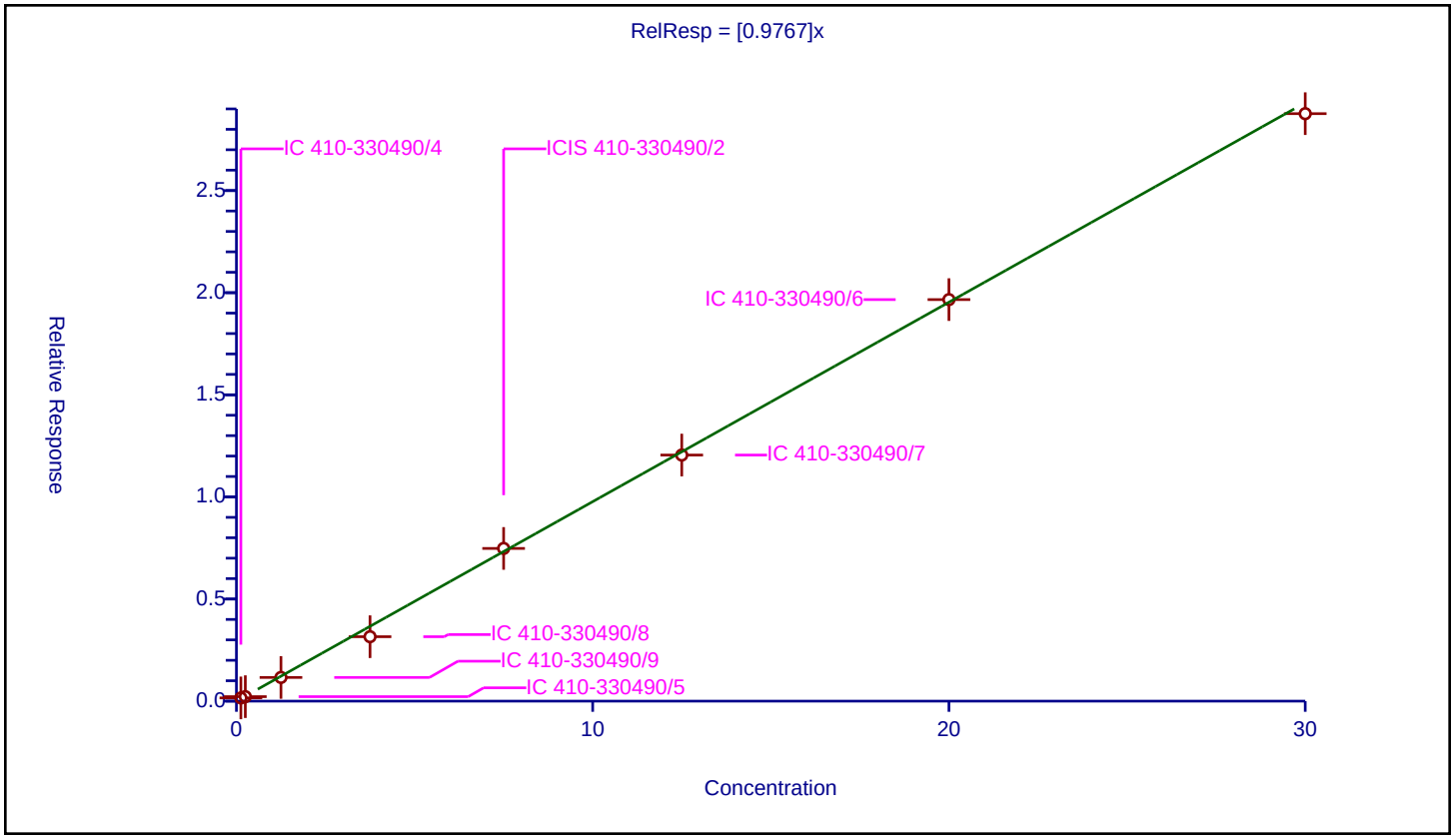
Curve Coefficients

Intercept:	0
Slope:	0.9767

Error Coefficients

Standard Error:	676000
Relative Standard Error:	13.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.157825	5.0	222430.0	1.262599	Y
2	IC 410-330490/5	0.25	0.219634	5.0	201016.0	0.878537	Y
3	IC 410-330490/9	1.25	1.160024	5.0	238133.0	0.928019	Y
4	IC 410-330490/8	3.75	3.156018	5.0	277416.0	0.841605	Y
5	ICIS 410-330490/2	7.5	7.477441	5.0	185070.0	0.996992	Y
6	IC 410-330490/7	12.5	12.049717	5.0	246978.0	0.963977	Y
7	IC 410-330490/6	20.0	19.662619	5.0	240218.0	0.983131	Y
8	IC 410-330490/3	30.0	28.767094	5.0	235825.0	0.958903	Y



Calibration / Ethyl methanesulfonate

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

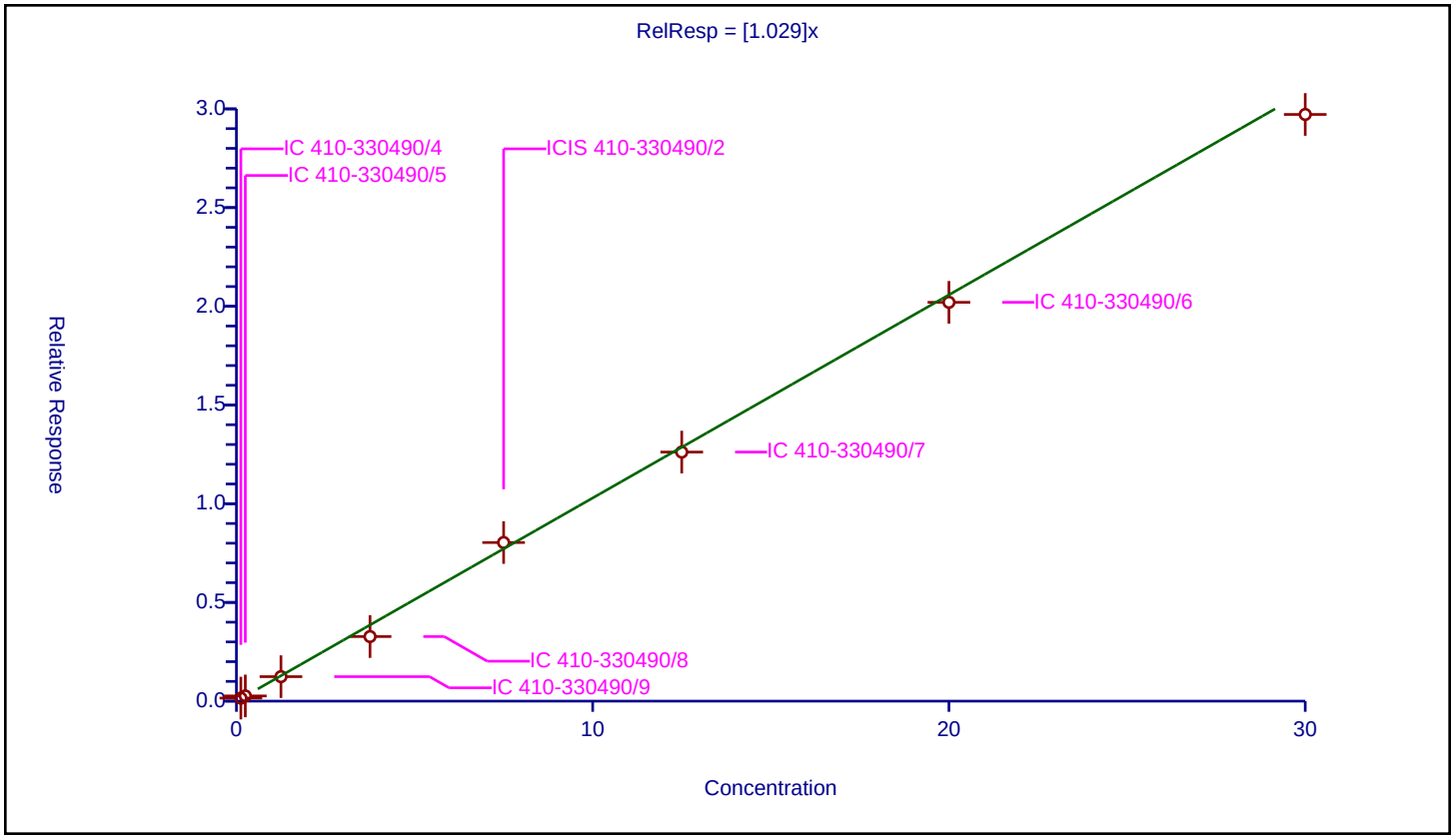
Curve Coefficients

Intercept:	0
Slope:	1.029

Error Coefficients

Standard Error:	699000
Relative Standard Error:	9.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.153801	5.0	222430.0	1.23041	Y
2	IC 410-330490/5	0.25	0.263909	5.0	201016.0	1.055637	Y
3	IC 410-330490/9	1.25	1.240399	5.0	238133.0	0.992319	Y
4	IC 410-330490/8	3.75	3.271639	5.0	277416.0	0.872437	Y
5	ICIS 410-330490/2	7.5	8.034446	5.0	185070.0	1.07126	Y
6	IC 410-330490/7	12.5	12.616043	5.0	246978.0	1.009283	Y
7	IC 410-330490/6	20.0	20.202545	5.0	240218.0	1.010127	Y
8	IC 410-330490/3	30.0	29.718096	5.0	235825.0	0.990603	Y



Calibration / Benzaldehyde

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

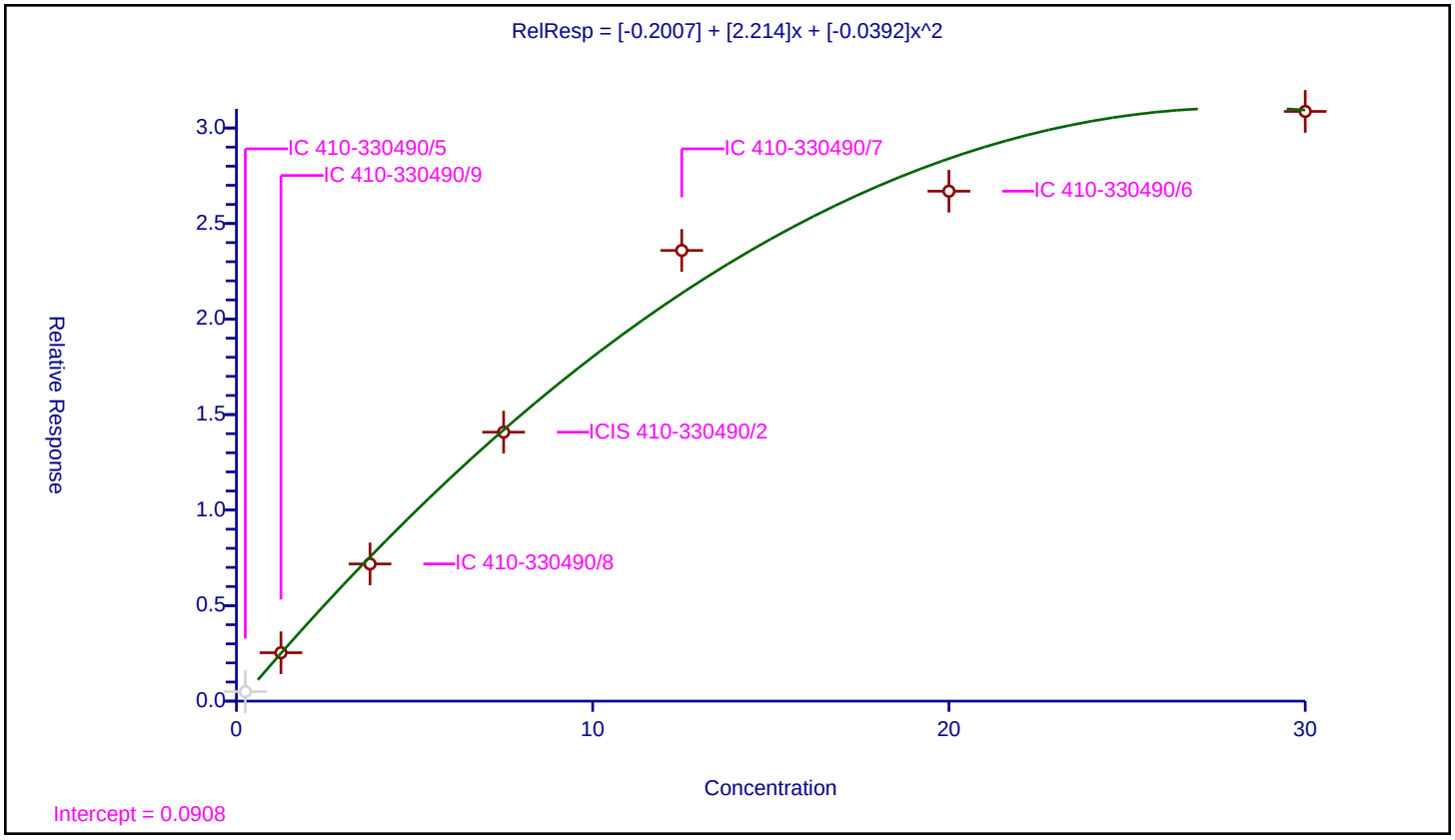
Curve Coefficients

Intercept:	-0.2007
Slope:	2.214
Second Order:	-0.0392

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	13.9
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/5	0.25	0.498269	5.0	201016.0	1.993075	N
2	IC 410-330490/9	1.25	2.534214	5.0	238133.0	2.027371	Y
3	IC 410-330490/8	3.75	7.181651	5.0	277416.0	1.915107	Y
4	ICIS 410-330490/2	7.5	14.077673	5.0	185070.0	1.877023	Y
5	IC 410-330490/7	12.5	23.590502	5.0	246978.0	1.88724	Y
6	IC 410-330490/6	20.0	26.692692	5.0	240218.0	1.334635	Y
7	IC 410-330490/3	30.0	30.867465	5.0	235825.0	1.028916	Y



Calibration / Phenol-d5

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

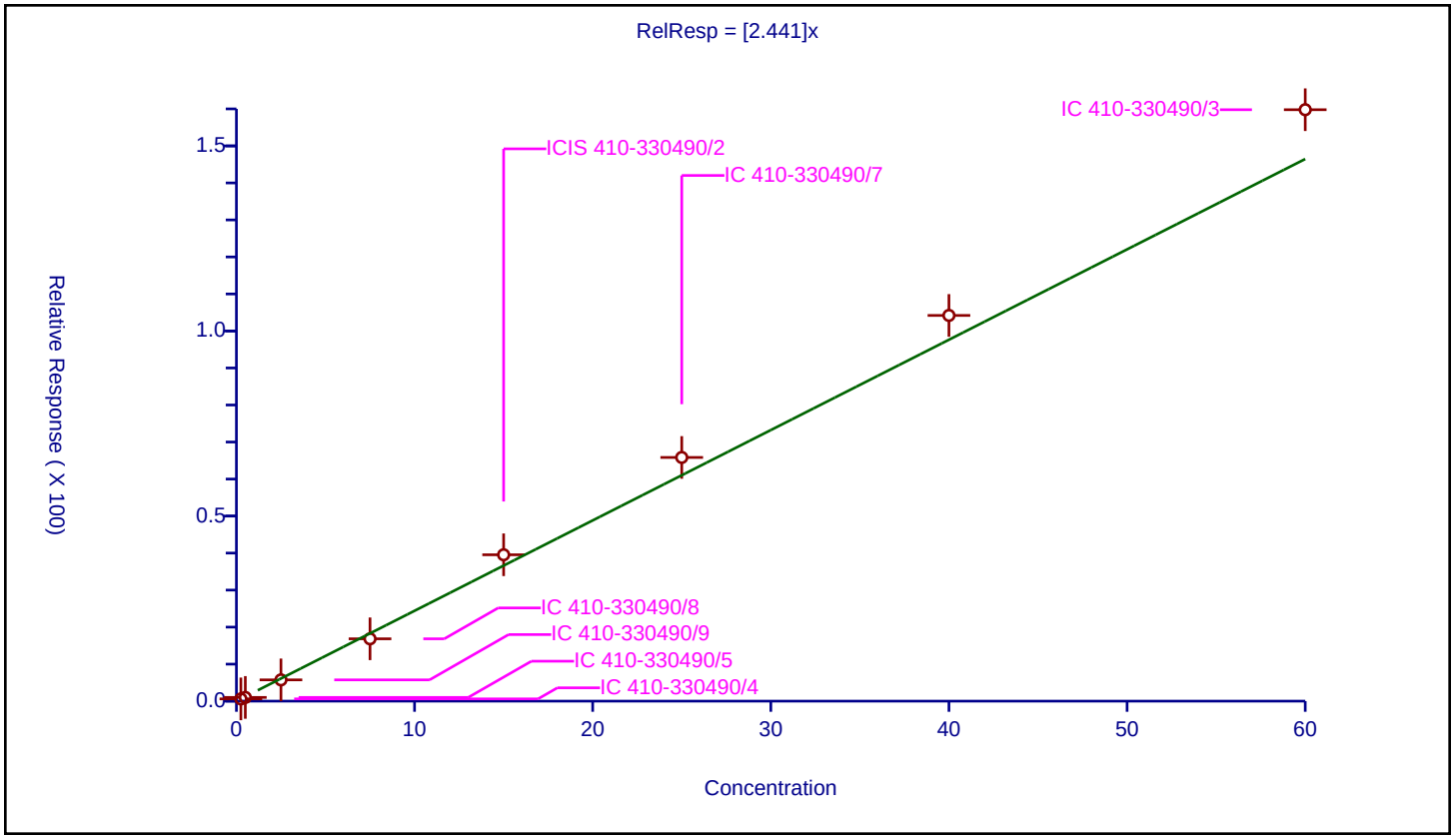
Curve Coefficients

Intercept:	0
Slope:	2.441

Error Coefficients

Standard Error:	3690000
Relative Standard Error:	9.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.25	0.610169	5.0	222430.0	2.440678	Y
2	IC 410-330490/5	0.5	1.003502	5.0	201016.0	2.007004	Y
3	IC 410-330490/9	2.5	5.742904	5.0	238133.0	2.297162	Y
4	IC 410-330490/8	7.5	16.839602	5.0	277416.0	2.24528	Y
5	ICIS 410-330490/2	15.0	39.541606	5.0	185070.0	2.636107	Y
6	IC 410-330490/7	25.0	65.836674	5.0	246978.0	2.633467	Y
7	IC 410-330490/6	40.0	104.198041	5.0	240218.0	2.604951	Y
8	IC 410-330490/3	60.0	159.773667	5.0	235825.0	2.662894	Y



Calibration / Phenol

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

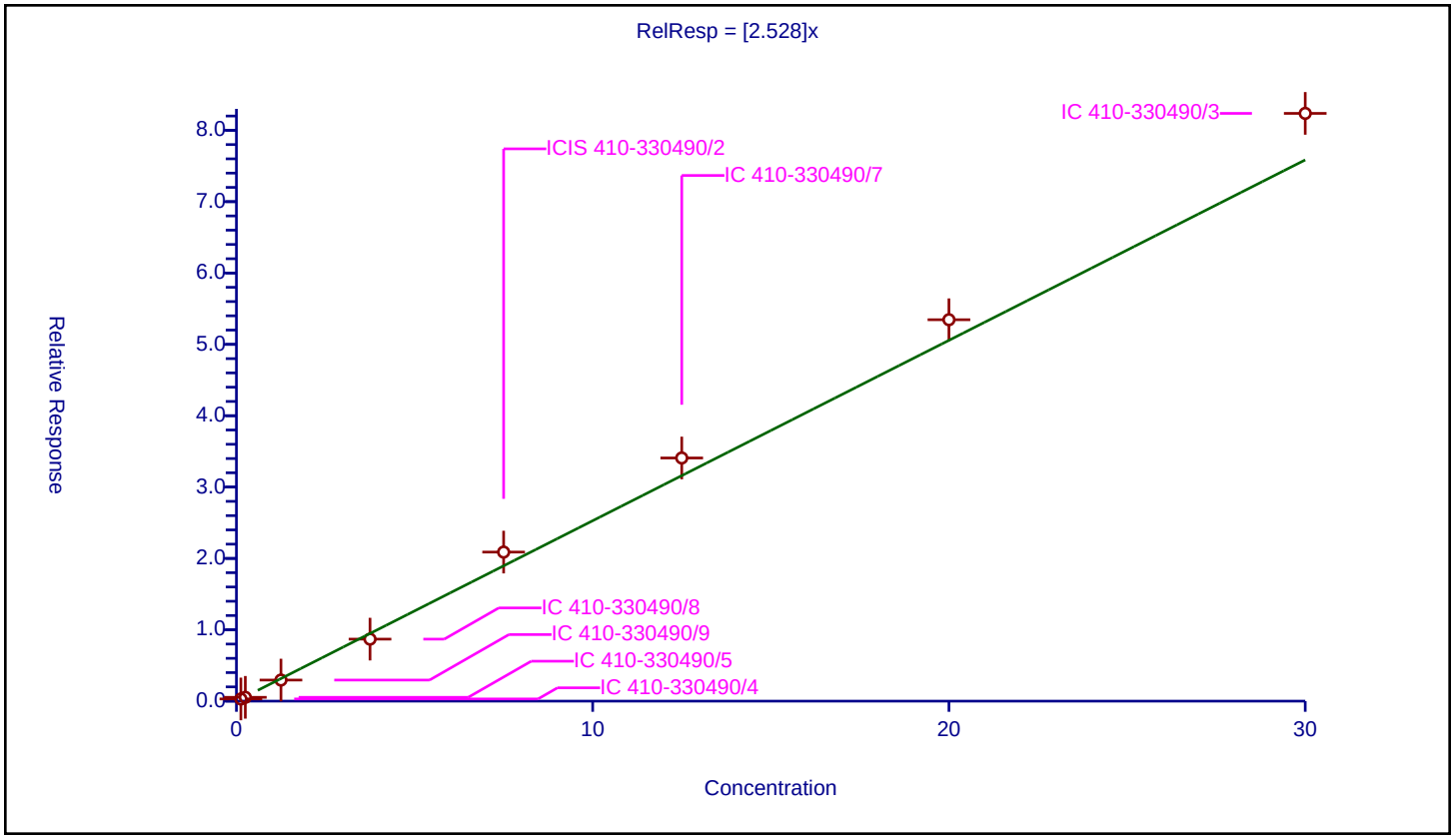
Curve Coefficients

Intercept:	0
Slope:	2.528

Error Coefficients

Standard Error:	1900000
Relative Standard Error:	9.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.309491	5.0	222430.0	2.475925	Y
2	IC 410-330490/5	0.25	0.534883	5.0	201016.0	2.139531	Y
3	IC 410-330490/9	1.25	2.954378	5.0	238133.0	2.363503	Y
4	IC 410-330490/8	3.75	8.690234	5.0	277416.0	2.317396	Y
5	ICIS 410-330490/2	7.5	20.88915	5.0	185070.0	2.78522	Y
6	IC 410-330490/7	12.5	34.078541	5.0	246978.0	2.726283	Y
7	IC 410-330490/6	20.0	53.453675	5.0	240218.0	2.672684	Y
8	IC 410-330490/3	30.0	82.369914	5.0	235825.0	2.745664	Y



Calibration / Aniline

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

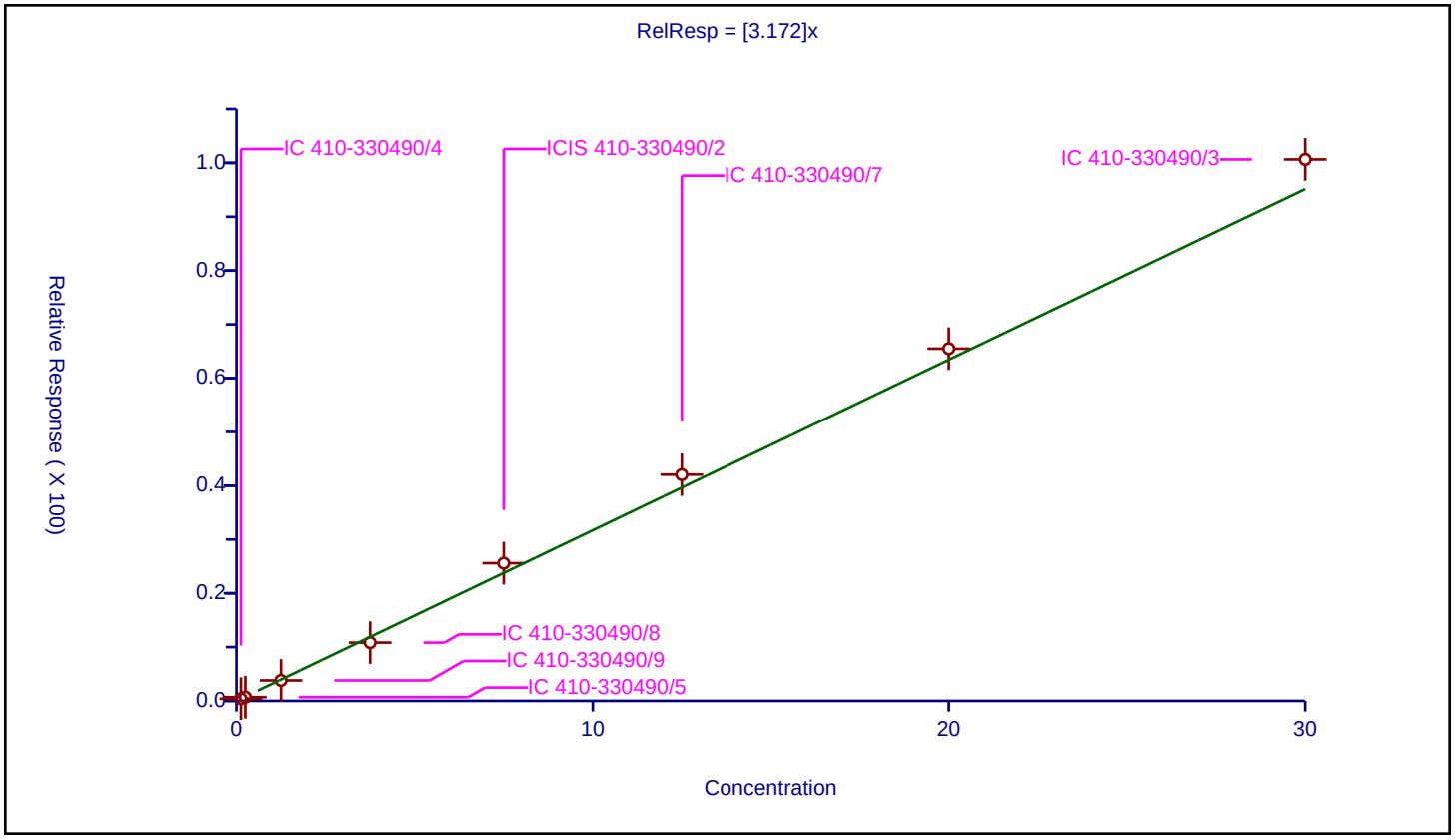
Curve Coefficients

Intercept:	0
Slope:	3.172

Error Coefficients

Standard Error:	2330000
Relative Standard Error:	7.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.40651	5.0	222430.0	3.252079	Y
2	IC 410-330490/5	0.25	0.695716	5.0	201016.0	2.782863	Y
3	IC 410-330490/9	1.25	3.803106	5.0	238133.0	3.042485	Y
4	IC 410-330490/8	3.75	10.831946	5.0	277416.0	2.888519	Y
5	ICIS 410-330490/2	7.5	25.597693	5.0	185070.0	3.413026	Y
6	IC 410-330490/7	12.5	42.057248	5.0	246978.0	3.36458	Y
7	IC 410-330490/6	20.0	65.489097	5.0	240218.0	3.274455	Y
8	IC 410-330490/3	30.0	100.646433	5.0	235825.0	3.354881	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

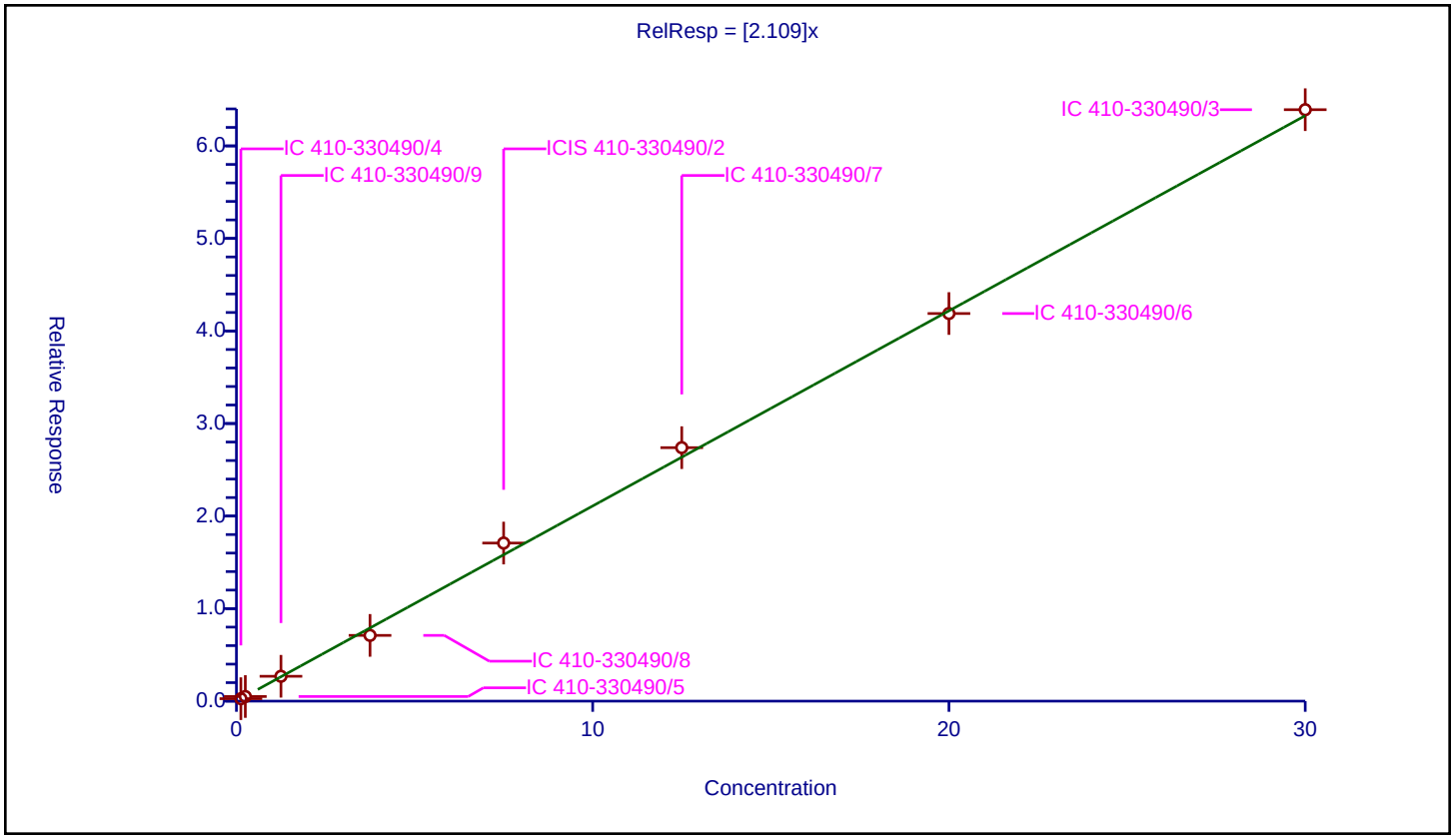
Curve Coefficients

Intercept:	0
Slope:	2.109

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	5.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.266511	5.0	222430.0	2.132086	Y
2	IC 410-330490/5	0.25	0.500308	5.0	201016.0	2.001234	Y
3	IC 410-330490/9	1.25	2.686839	5.0	238133.0	2.149471	Y
4	IC 410-330490/8	3.75	7.104727	5.0	277416.0	1.894594	Y
5	ICIS 410-330490/2	7.5	17.083185	5.0	185070.0	2.277758	Y
6	IC 410-330490/7	12.5	27.393371	5.0	246978.0	2.19147	Y
7	IC 410-330490/6	20.0	41.885766	5.0	240218.0	2.094288	Y
8	IC 410-330490/3	30.0	63.91341	5.0	235825.0	2.130447	Y



Calibration / 2-Chlorophenol

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

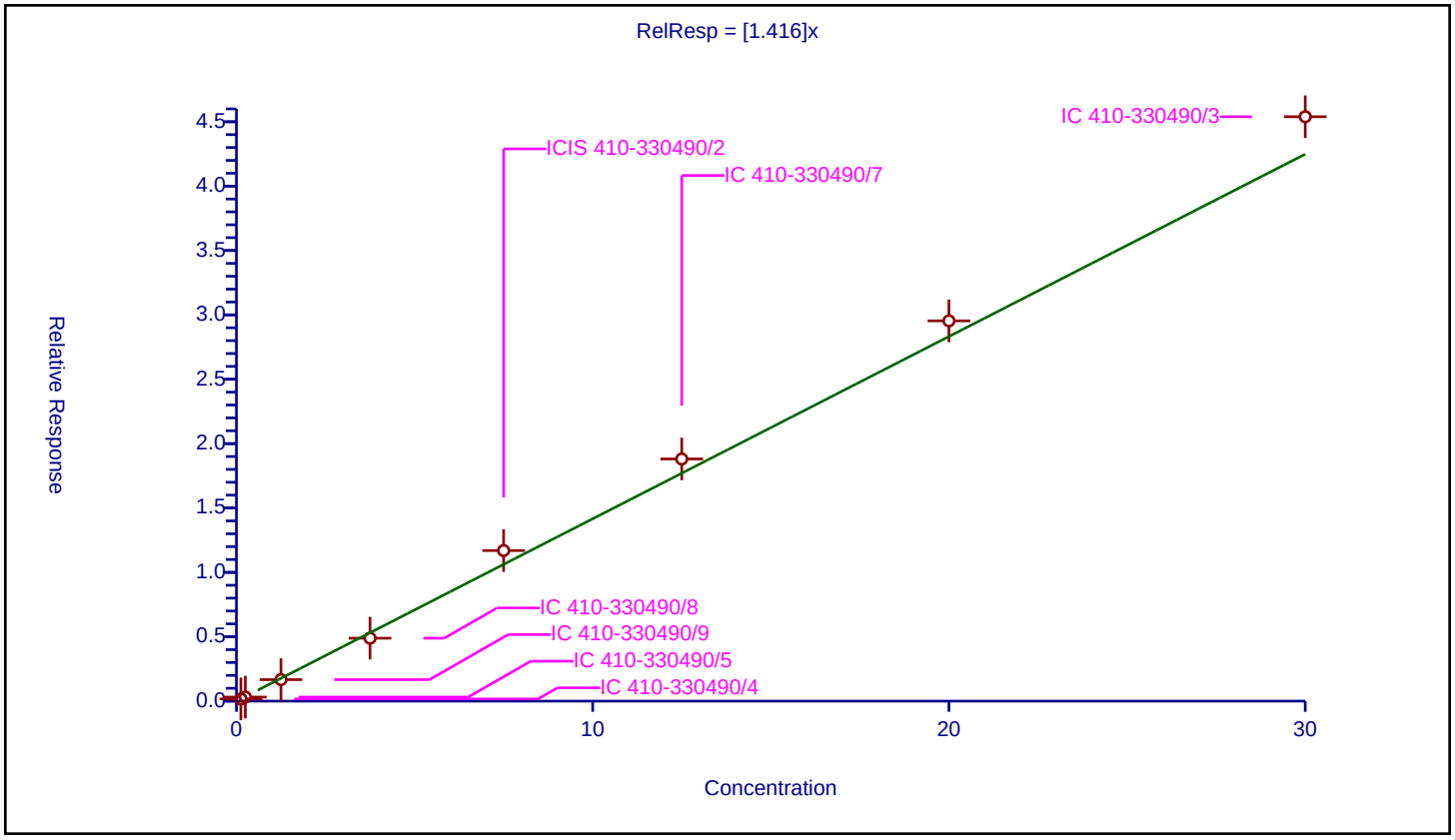
Curve Coefficients

Intercept:	0
Slope:	1.416

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	7.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.171627	5.0	222430.0	1.373016	Y
2	IC 410-330490/5	0.25	0.315522	5.0	201016.0	1.262089	Y
3	IC 410-330490/9	1.25	1.670222	5.0	238133.0	1.336178	Y
4	IC 410-330490/8	3.75	4.888993	5.0	277416.0	1.303732	Y
5	ICIS 410-330490/2	7.5	11.695142	5.0	185070.0	1.559352	Y
6	IC 410-330490/7	12.5	18.808801	5.0	246978.0	1.504704	Y
7	IC 410-330490/6	20.0	29.538523	5.0	240218.0	1.476926	Y
8	IC 410-330490/3	30.0	45.391795	5.0	235825.0	1.51306	Y



Calibration / 1,3-Dichlorobenzene

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

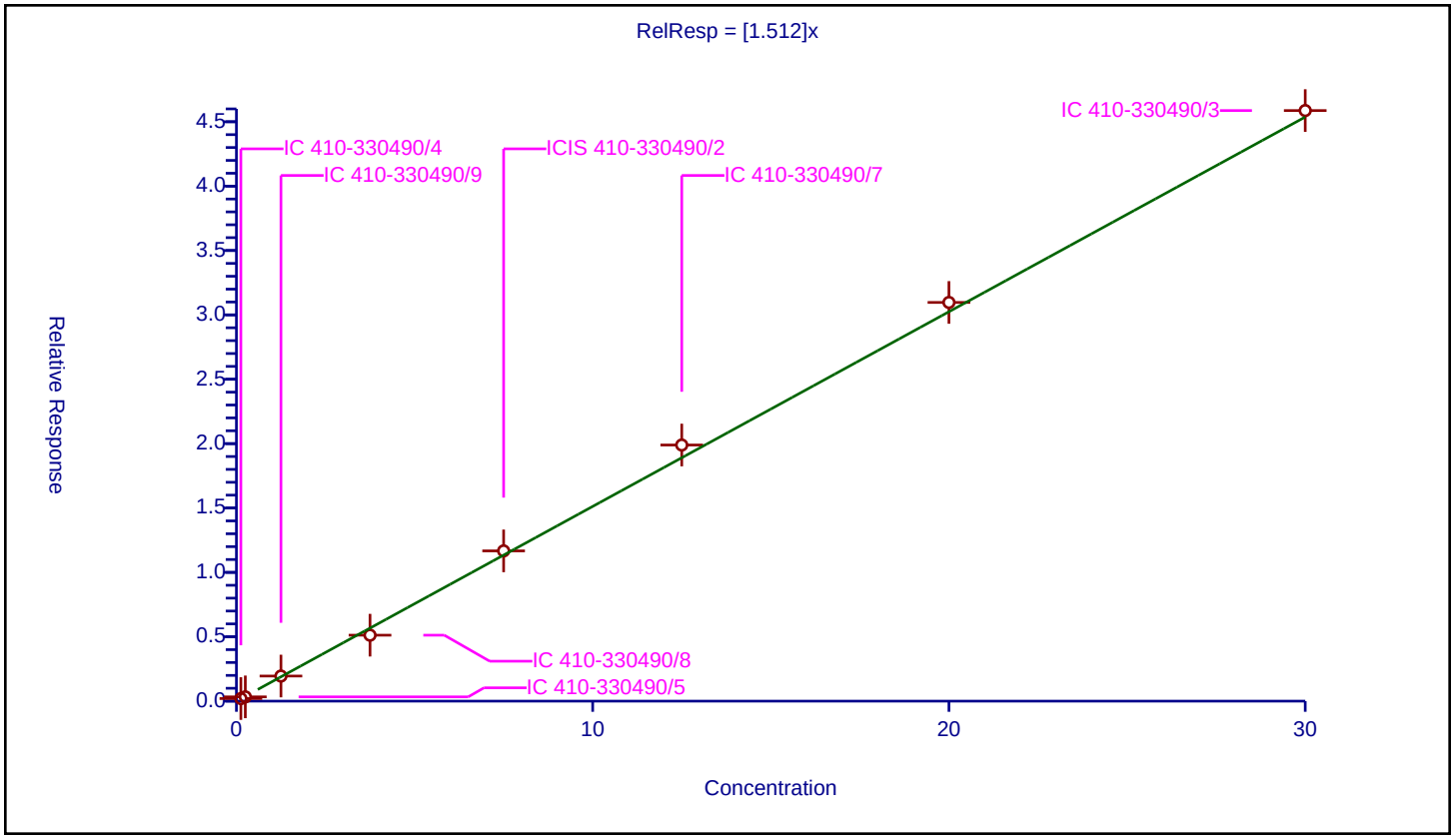
Curve Coefficients

Intercept:	0
Slope:	1.512

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	6.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.202041	5.0	222430.0	1.616329	Y
2	IC 410-330490/5	0.25	0.332809	5.0	201016.0	1.331237	Y
3	IC 410-330490/9	1.25	1.949478	5.0	238133.0	1.559582	Y
4	IC 410-330490/8	3.75	5.123659	5.0	277416.0	1.366309	Y
5	ICIS 410-330490/2	7.5	11.670017	5.0	185070.0	1.556002	Y
6	IC 410-330490/7	12.5	19.892865	5.0	246978.0	1.591429	Y
7	IC 410-330490/6	20.0	30.967954	5.0	240218.0	1.548398	Y
8	IC 410-330490/3	30.0	45.869925	5.0	235825.0	1.528997	Y



Calibration / 1,4-Dichlorobenzene

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

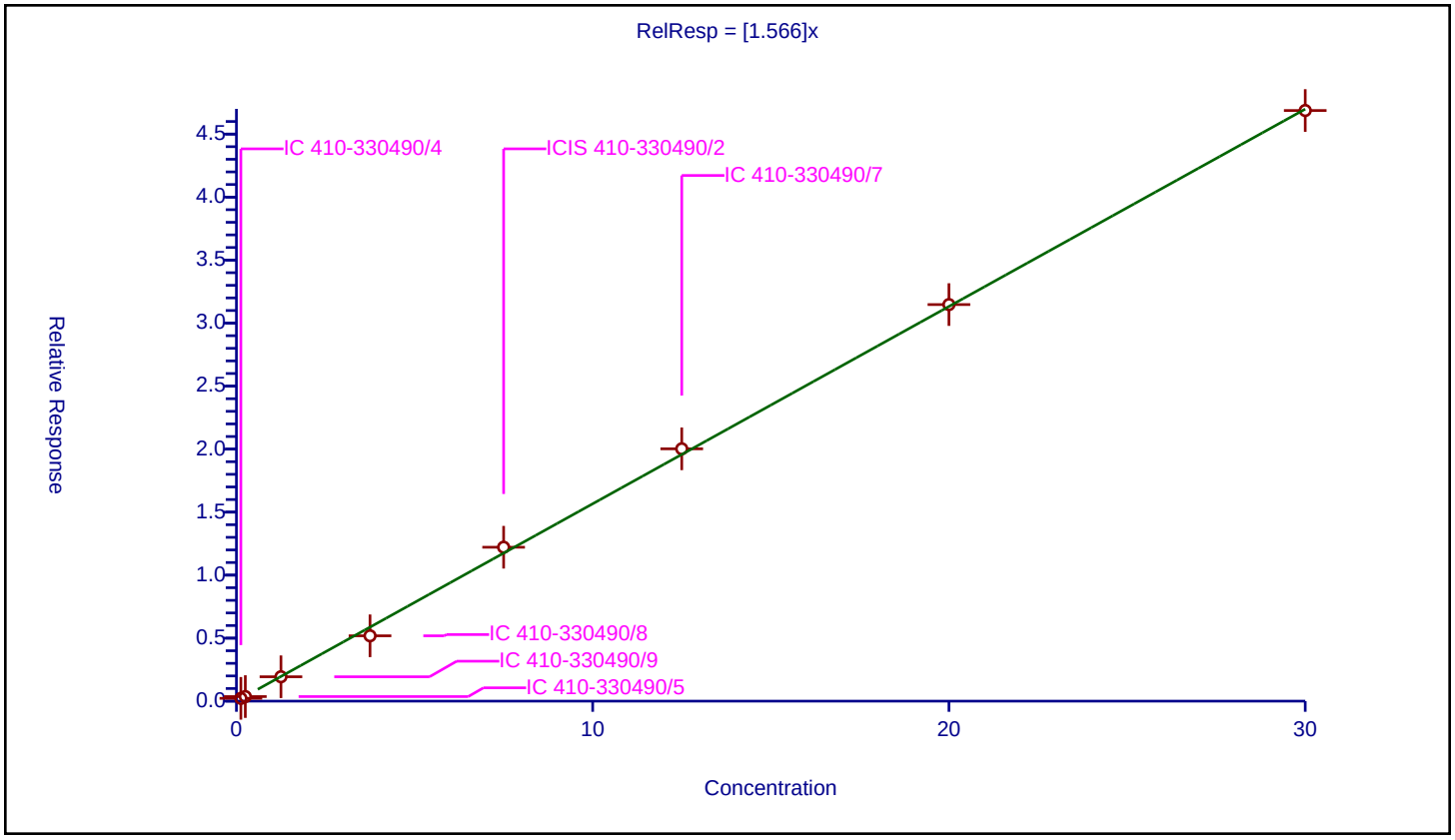
Curve Coefficients

Intercept:	0
Slope:	1.566

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	7.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.222542	5.0	222430.0	1.780335	Y
2	IC 410-330490/5	0.25	0.362583	5.0	201016.0	1.450332	Y
3	IC 410-330490/9	1.25	1.935935	5.0	238133.0	1.548748	Y
4	IC 410-330490/8	3.75	5.185876	5.0	277416.0	1.3829	Y
5	ICIS 410-330490/2	7.5	12.214703	5.0	185070.0	1.628627	Y
6	IC 410-330490/7	12.5	20.022715	5.0	246978.0	1.601817	Y
7	IC 410-330490/6	20.0	31.470747	5.0	240218.0	1.573537	Y
8	IC 410-330490/3	30.0	46.870179	5.0	235825.0	1.562339	Y



Calibration / Benzyl alcohol

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

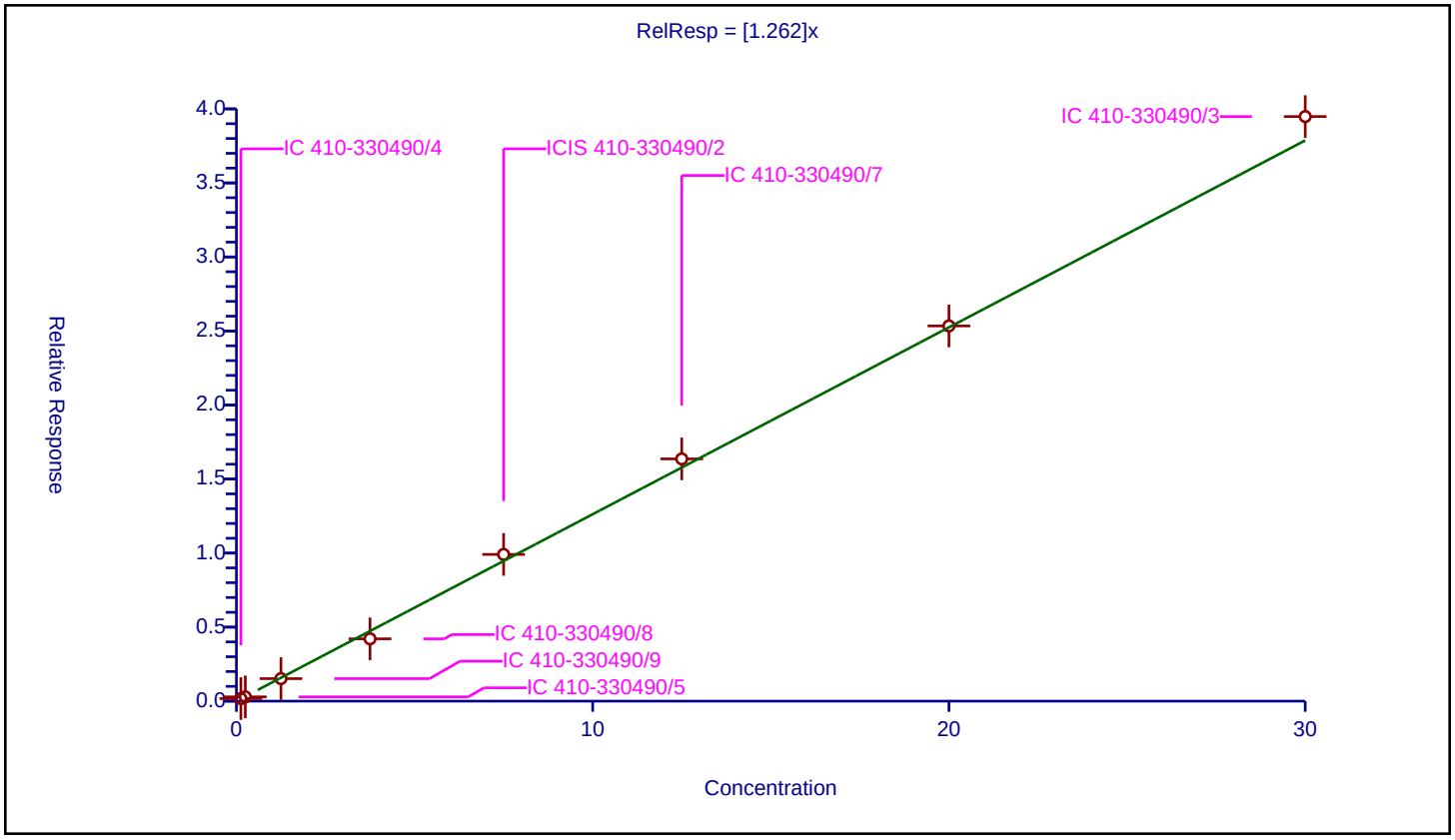
Curve Coefficients

Intercept:	0
Slope:	1.262

Error Coefficients

Standard Error:	910000
Relative Standard Error:	7.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.17401	5.0	222430.0	1.392078	Y
2	IC 410-330490/5	0.25	0.288584	5.0	201016.0	1.154336	Y
3	IC 410-330490/9	1.25	1.521272	5.0	238133.0	1.217017	Y
4	IC 410-330490/8	3.75	4.207976	5.0	277416.0	1.122127	Y
5	ICIS 410-330490/2	7.5	9.908062	5.0	185070.0	1.321075	Y
6	IC 410-330490/7	12.5	16.36089	5.0	246978.0	1.308871	Y
7	IC 410-330490/6	20.0	25.340711	5.0	240218.0	1.267036	Y
8	IC 410-330490/3	30.0	39.481671	5.0	235825.0	1.316056	Y



Calibration / 1,2-Dichlorobenzene

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

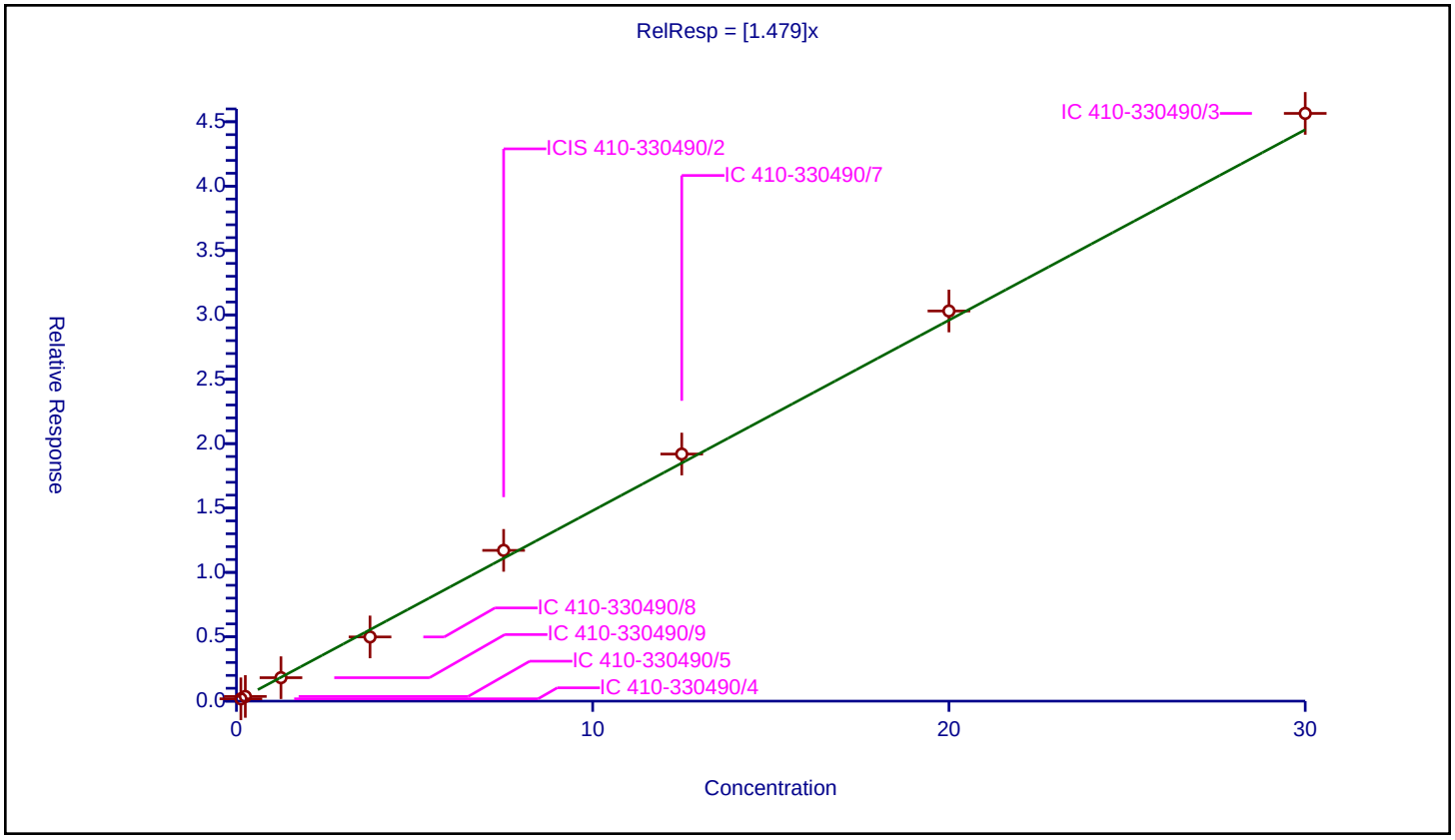
Curve Coefficients

Intercept:	0
Slope:	1.479

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	4.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.18163	5.0	222430.0	1.453041	Y
2	IC 410-330490/5	0.25	0.365717	5.0	201016.0	1.462869	Y
3	IC 410-330490/9	1.25	1.820558	5.0	238133.0	1.456447	Y
4	IC 410-330490/8	3.75	4.986681	5.0	277416.0	1.329782	Y
5	ICIS 410-330490/2	7.5	11.709245	5.0	185070.0	1.561233	Y
6	IC 410-330490/7	12.5	19.192155	5.0	246978.0	1.535372	Y
7	IC 410-330490/6	20.0	30.303183	5.0	240218.0	1.515159	Y
8	IC 410-330490/3	30.0	45.650292	5.0	235825.0	1.521676	Y



Calibration / 2-Methylphenol

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

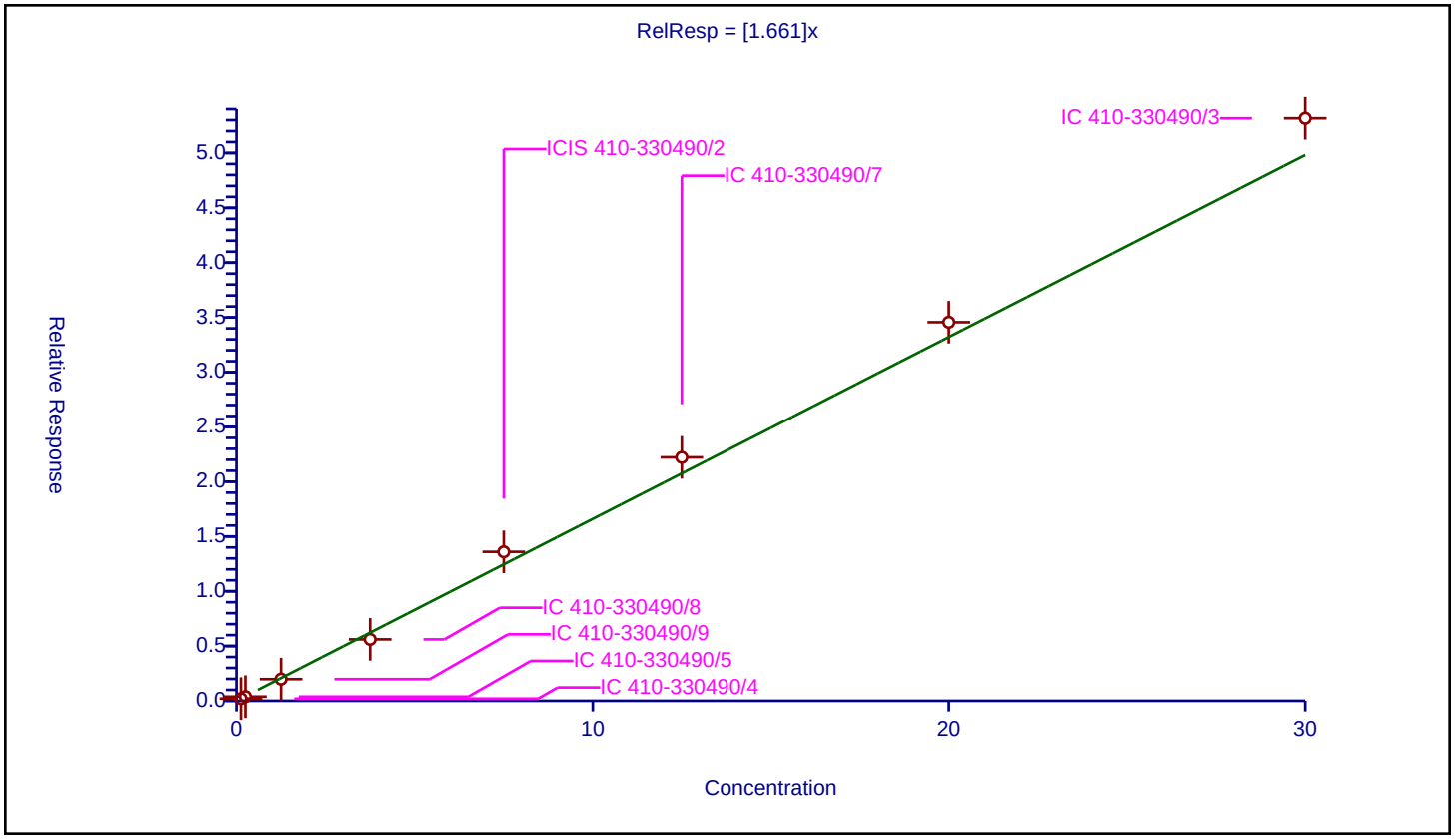
Curve Coefficients

Intercept:	0
Slope:	1.661

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	7.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.199748	5.0	222430.0	1.597986	Y
2	IC 410-330490/5	0.25	0.379099	5.0	201016.0	1.516397	Y
3	IC 410-330490/9	1.25	1.978453	5.0	238133.0	1.582763	Y
4	IC 410-330490/8	3.75	5.608256	5.0	277416.0	1.495535	Y
5	ICIS 410-330490/2	7.5	13.601286	5.0	185070.0	1.813505	Y
6	IC 410-330490/7	12.5	22.220987	5.0	246978.0	1.777679	Y
7	IC 410-330490/6	20.0	34.563438	5.0	240218.0	1.728172	Y
8	IC 410-330490/3	30.0	53.16508	5.0	235825.0	1.772169	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

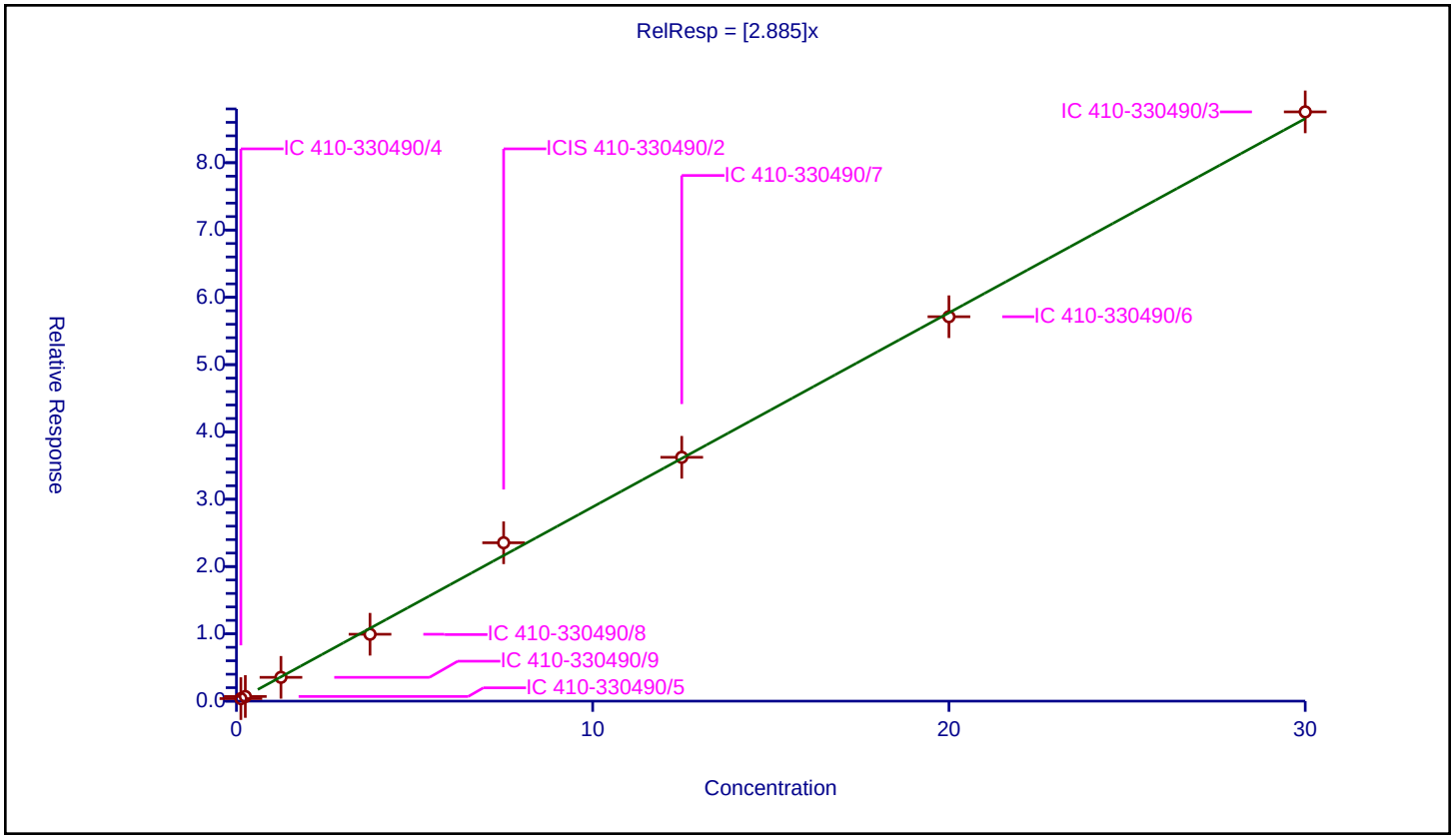
Curve Coefficients

Intercept:	0
Slope:	2.885

Error Coefficients

Standard Error:	2030000
Relative Standard Error:	5.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.378883	5.0	222430.0	3.031066	Y
2	IC 410-330490/5	0.25	0.689771	5.0	201016.0	2.759084	Y
3	IC 410-330490/9	1.25	3.53754	5.0	238133.0	2.830032	Y
4	IC 410-330490/8	3.75	9.939099	5.0	277416.0	2.650426	Y
5	ICIS 410-330490/2	7.5	23.533744	5.0	185070.0	3.137833	Y
6	IC 410-330490/7	12.5	36.233835	5.0	246978.0	2.898707	Y
7	IC 410-330490/6	20.0	57.120761	5.0	240218.0	2.856038	Y
8	IC 410-330490/3	30.0	87.554988	5.0	235825.0	2.9185	Y



Calibration / N-Nitrosopyrrolidine

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

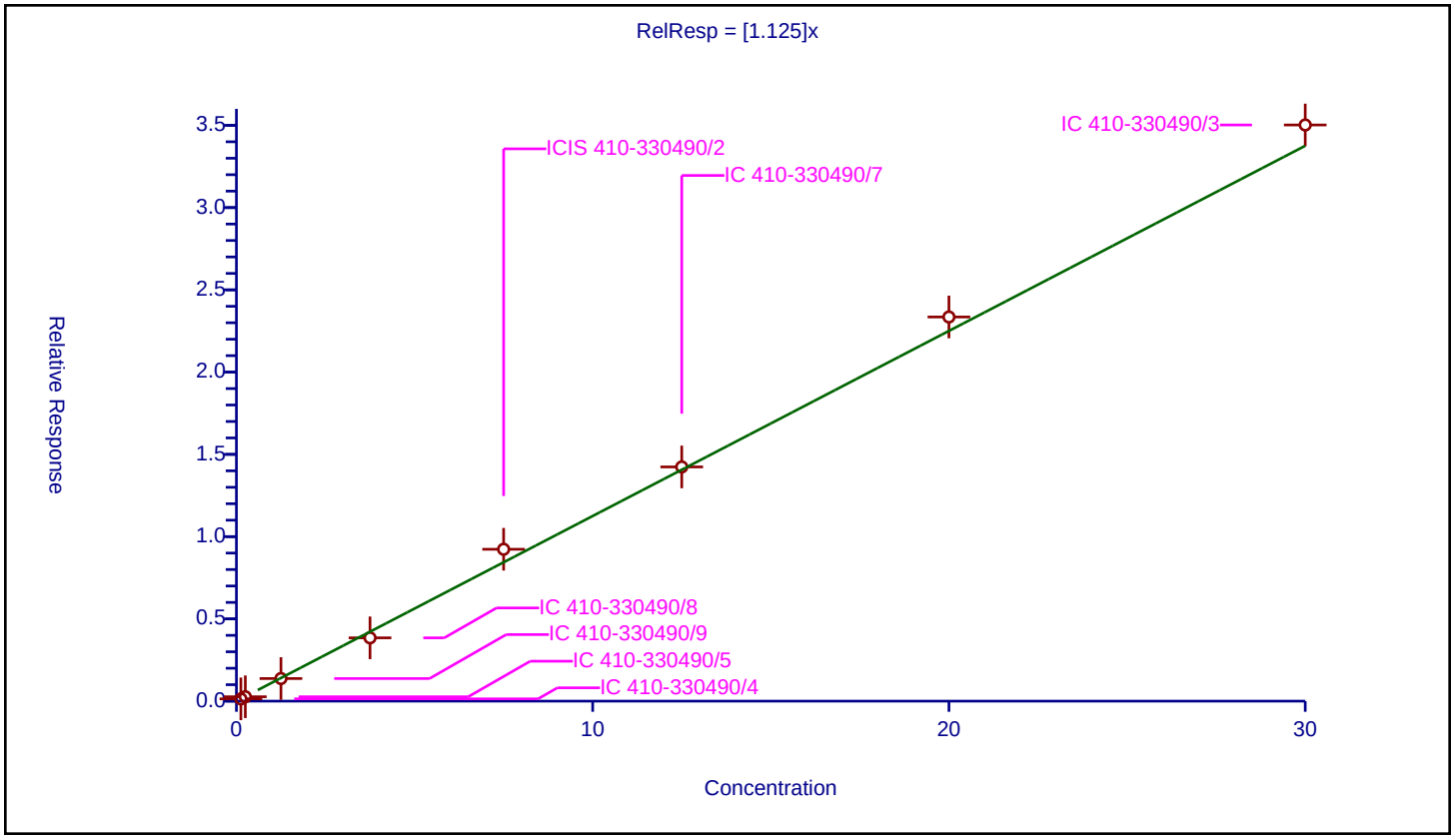
Curve Coefficients

Intercept:	0
Slope:	1.125

Error Coefficients

Standard Error:	815000
Relative Standard Error:	5.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.138178	5.0	222430.0	1.105426	Y
2	IC 410-330490/5	0.25	0.266496	5.0	201016.0	1.065985	Y
3	IC 410-330490/9	1.25	1.374253	5.0	238133.0	1.099402	Y
4	IC 410-330490/8	3.75	3.847255	5.0	277416.0	1.025935	Y
5	ICIS 410-330490/2	7.5	9.231615	5.0	185070.0	1.230882	Y
6	IC 410-330490/7	12.5	14.235701	5.0	246978.0	1.138856	Y
7	IC 410-330490/6	20.0	23.350727	5.0	240218.0	1.167536	Y
8	IC 410-330490/3	30.0	35.022347	5.0	235825.0	1.167412	Y



Calibration / 4-Methylphenol

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

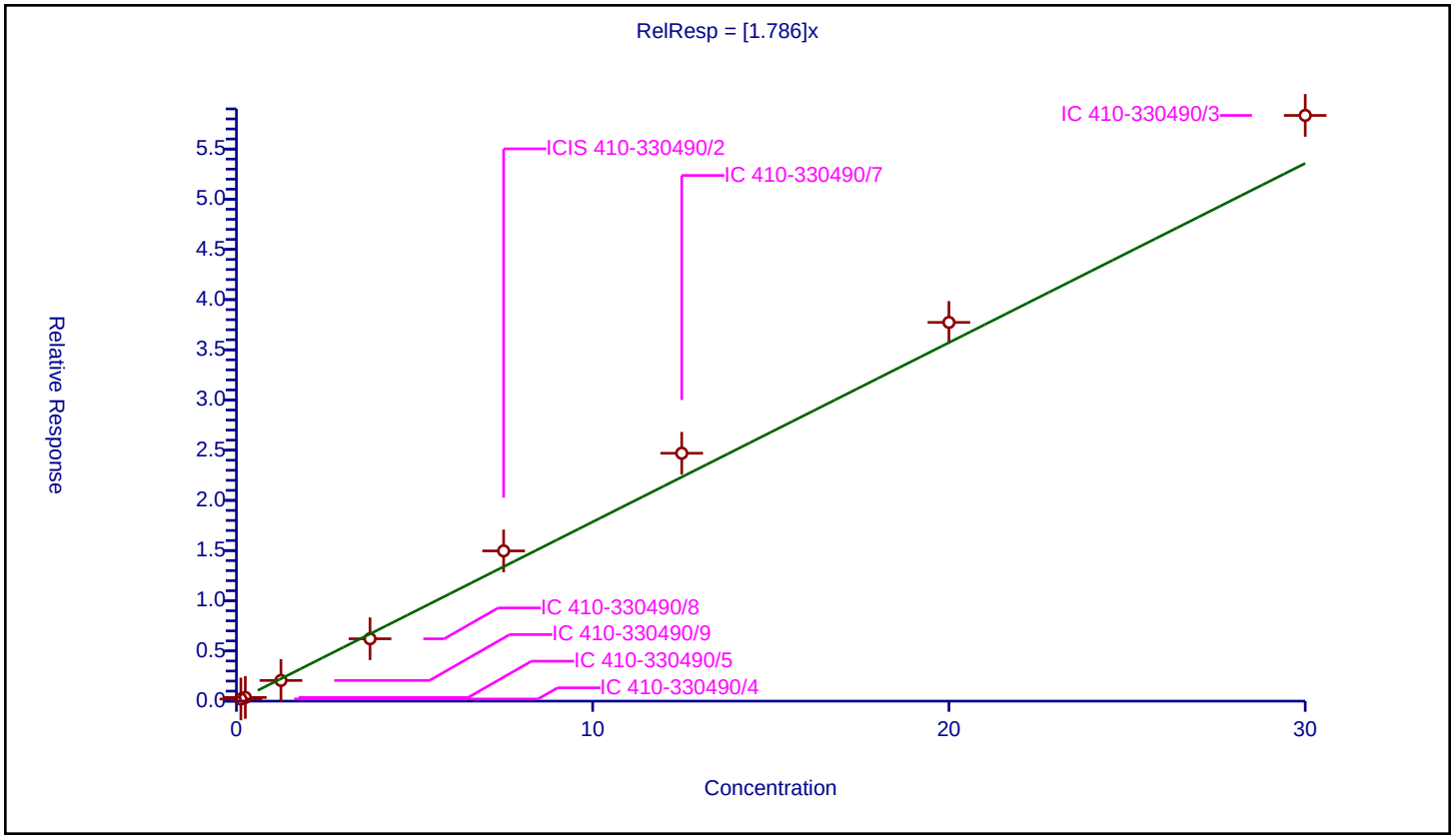
Curve Coefficients

Intercept:	0
Slope:	1.786

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	10.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.213078	5.0	222430.0	1.704626	Y
2	IC 410-330490/5	0.25	0.368801	5.0	201016.0	1.475206	Y
3	IC 410-330490/9	1.25	2.059626	5.0	238133.0	1.647701	Y
4	IC 410-330490/8	3.75	6.212439	5.0	277416.0	1.65665	Y
5	ICIS 410-330490/2	7.5	14.966796	5.0	185070.0	1.995573	Y
6	IC 410-330490/7	12.5	24.694669	5.0	246978.0	1.975574	Y
7	IC 410-330490/6	20.0	37.728667	5.0	240218.0	1.886433	Y
8	IC 410-330490/3	30.0	58.350557	5.0	235825.0	1.945019	Y



Calibration / Acetophenone

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

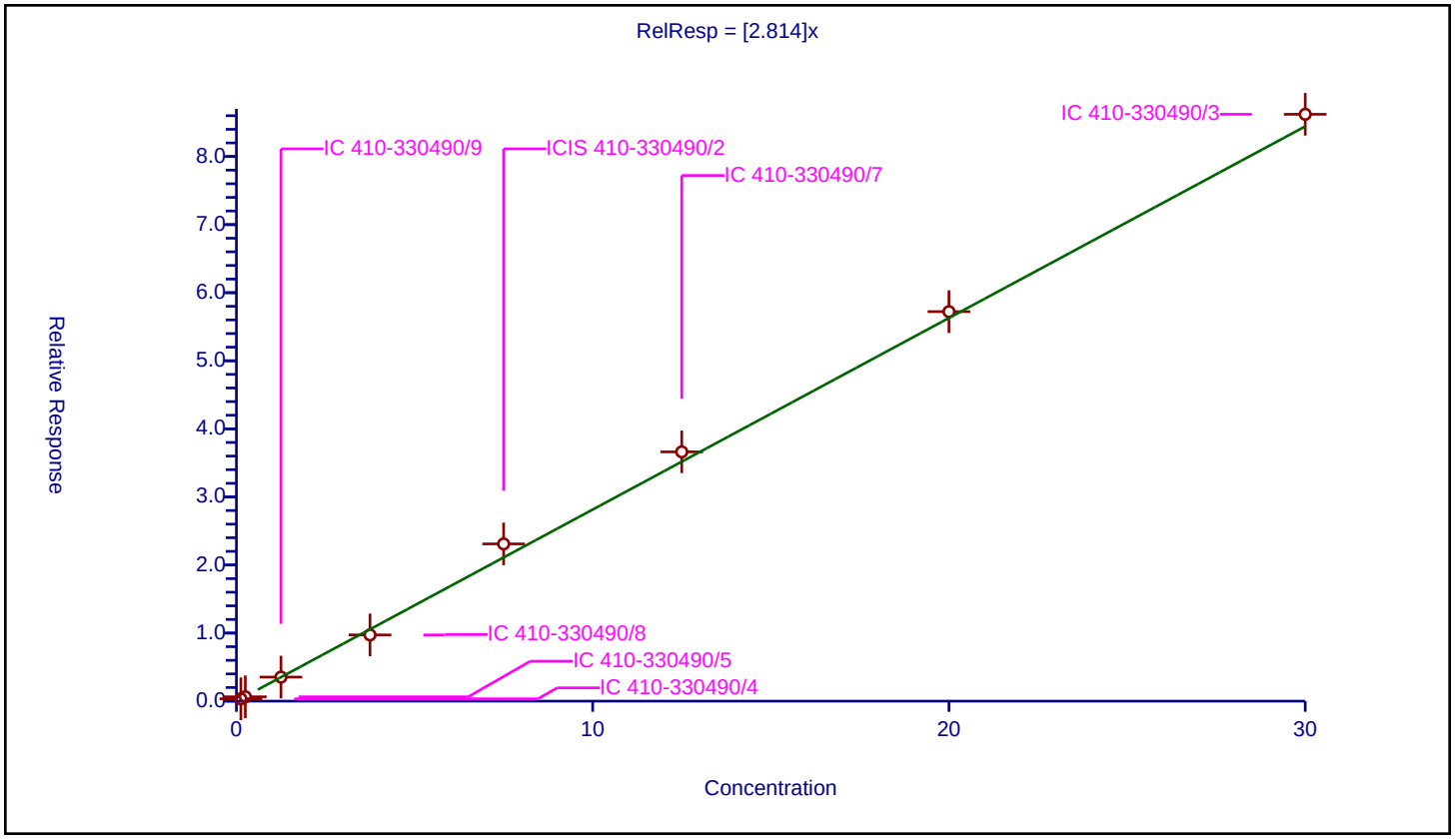
Curve Coefficients

Intercept:	0
Slope:	2.814

Error Coefficients

Standard Error:	2010000
Relative Standard Error:	6.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.34802	5.0	222430.0	2.784157	Y
2	IC 410-330490/5	0.25	0.641019	5.0	201016.0	2.564075	Y
3	IC 410-330490/9	1.25	3.534013	5.0	238133.0	2.82721	Y
4	IC 410-330490/8	3.75	9.730044	5.0	277416.0	2.594679	Y
5	ICIS 410-330490/2	7.5	23.095991	5.0	185070.0	3.079465	Y
6	IC 410-330490/7	12.5	36.62065	5.0	246978.0	2.929652	Y
7	IC 410-330490/6	20.0	57.219713	5.0	240218.0	2.860986	Y
8	IC 410-330490/3	30.0	86.206573	5.0	235825.0	2.873552	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

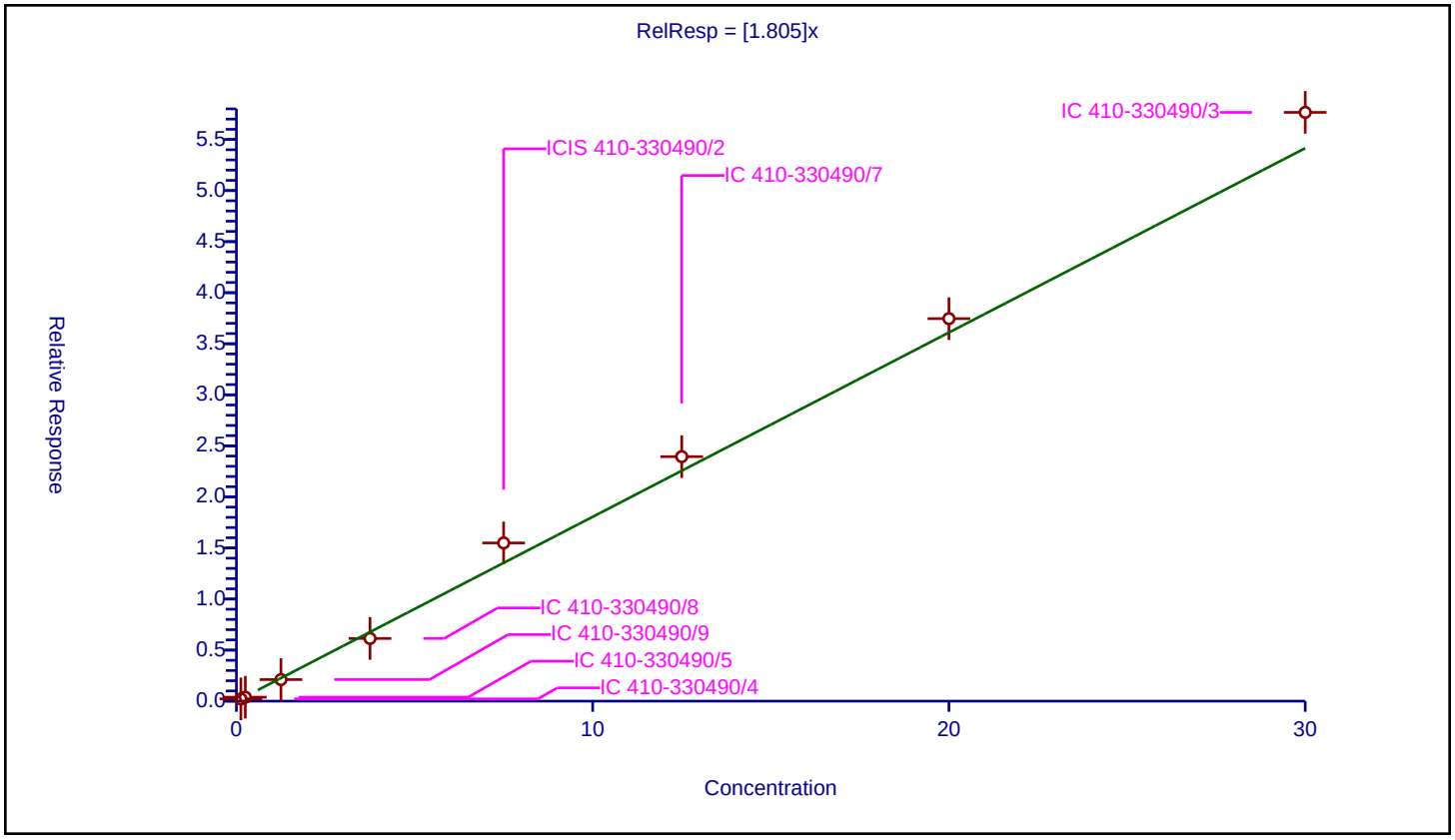
Curve Coefficients

Intercept:	0
Slope:	1.805

Error Coefficients

Standard Error:	1340000
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 410-330490/4	0.125	0.223958	5.0	222430.0	1.791665	Y
2	IC 410-330490/5	0.25	0.386735	5.0	201016.0	1.546942	Y
3	IC 410-330490/9	1.25	2.110354	5.0	238133.0	1.688283	Y
4	IC 410-330490/8	3.75	6.138164	5.0	277416.0	1.636844	Y
5	ICIS 410-330490/2	7.5	15.493219	5.0	185070.0	2.065763	Y
6	IC 410-330490/7	12.5	23.945918	5.0	246978.0	1.915673	Y
7	IC 410-330490/6	20.0	37.459932	5.0	240218.0	1.872997	Y
8	IC 410-330490/3	30.0	57.659536	5.0	235825.0	1.921985	Y



Calibration / N-Nitrosomorpholine

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

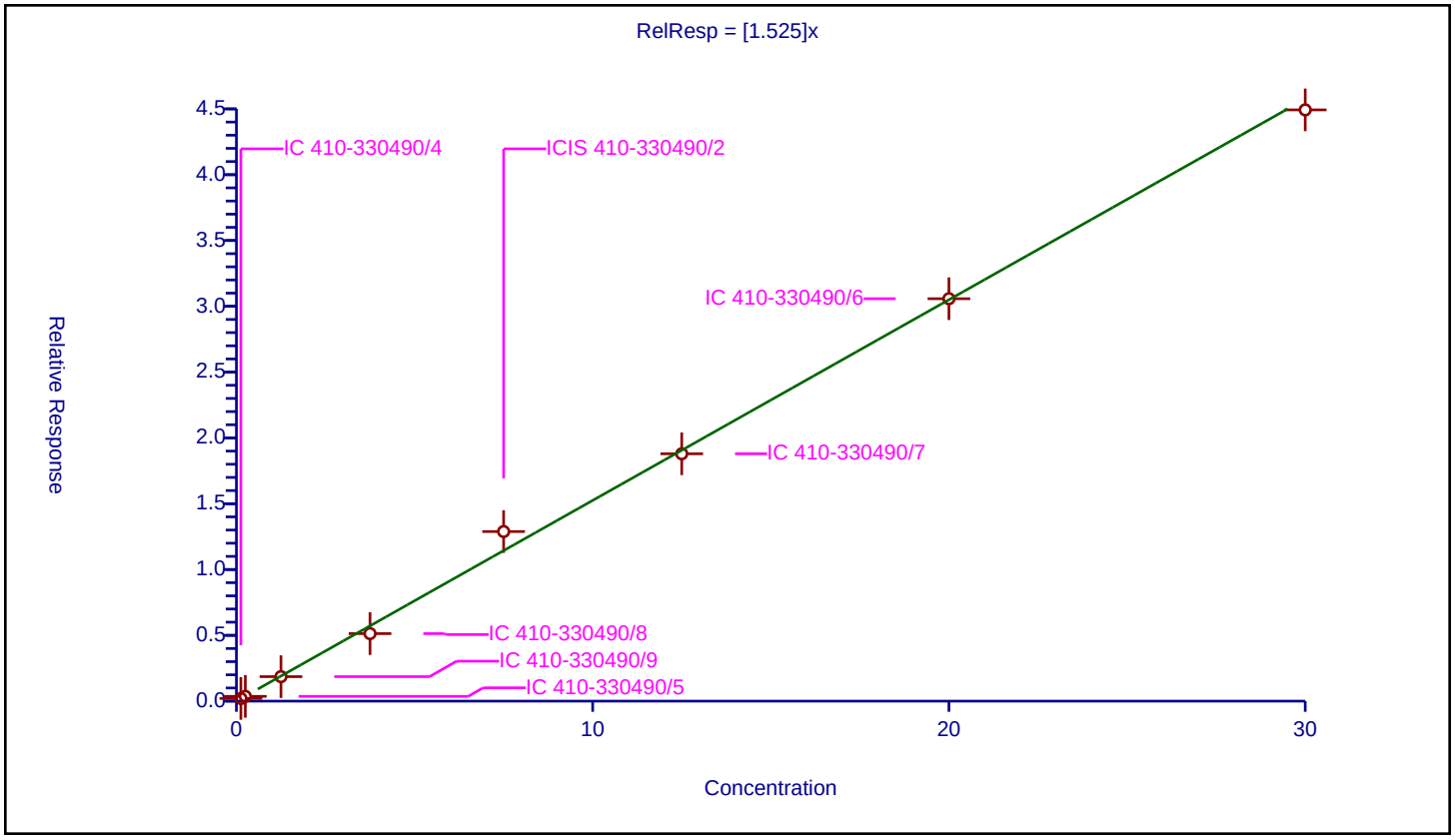
Curve Coefficients

Intercept:	0
Slope:	1.525

Error Coefficients

Standard Error:	1060000
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 410-330490/4	0.125	0.205031	5.0	222430.0	1.640246	Y
2	IC 410-330490/5	0.25	0.363628	5.0	201016.0	1.454511	Y
3	IC 410-330490/9	1.25	1.860977	5.0	238133.0	1.488781	Y
4	IC 410-330490/8	3.75	5.131391	5.0	277416.0	1.368371	Y
5	ICIS 410-330490/2	7.5	12.885719	5.0	185070.0	1.718096	Y
6	IC 410-330490/7	12.5	18.795561	5.0	246978.0	1.503645	Y
7	IC 410-330490/6	20.0	30.57733	5.0	240218.0	1.528866	Y
8	IC 410-330490/3	30.0	44.924266	5.0	235825.0	1.497476	Y



Calibration / 2-Toluidine

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

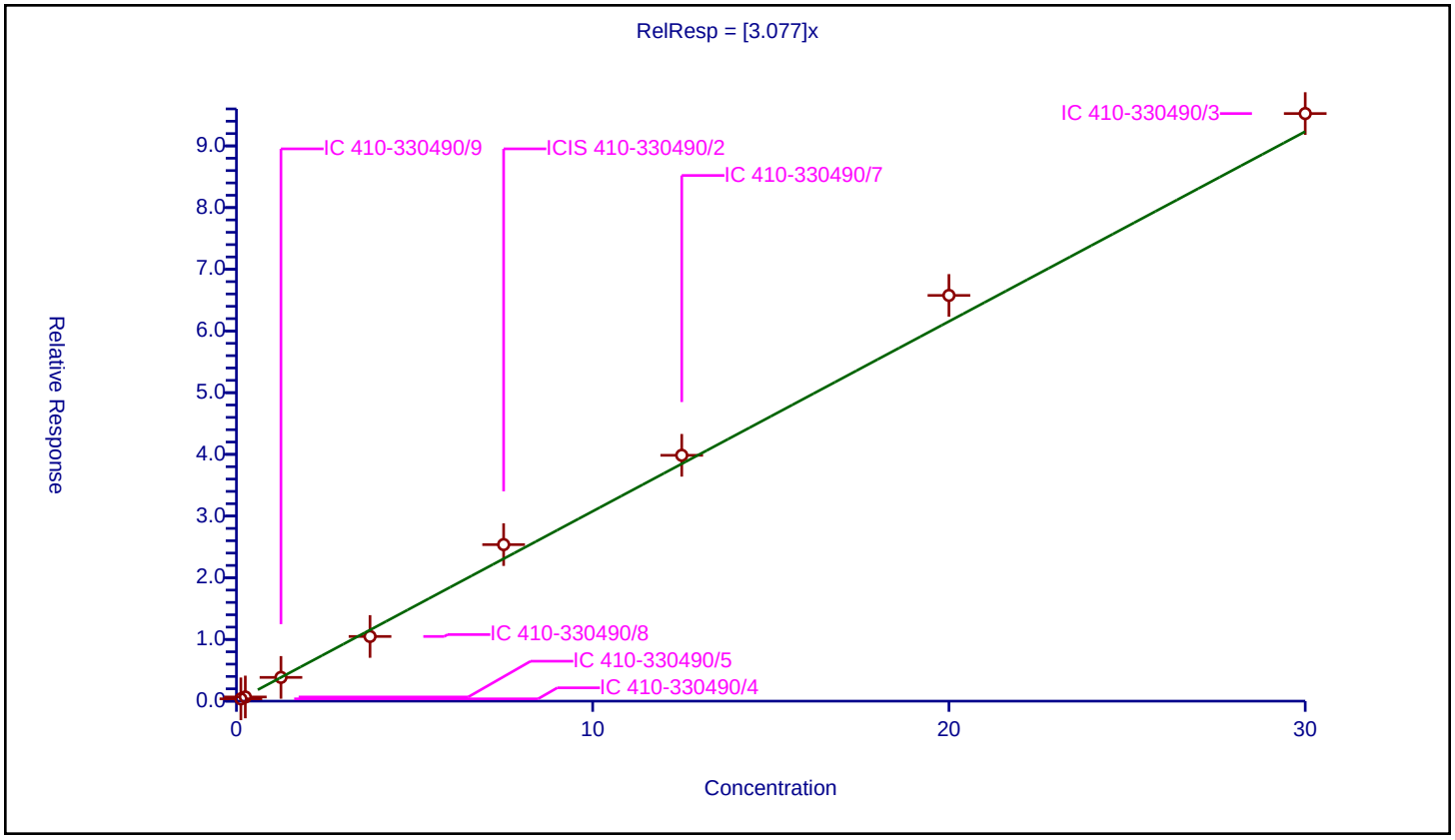
Curve Coefficients

Intercept:	0
Slope:	3.077

Error Coefficients

Standard Error:	2250000
Relative Standard Error:	7.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.375174	5.0	222430.0	3.001394	Y
2	IC 410-330490/5	0.25	0.677434	5.0	201016.0	2.709735	Y
3	IC 410-330490/9	1.25	3.848291	5.0	238133.0	3.078633	Y
4	IC 410-330490/8	3.75	10.483984	5.0	277416.0	2.795729	Y
5	ICIS 410-330490/2	7.5	25.375912	5.0	185070.0	3.383455	Y
6	IC 410-330490/7	12.5	39.848671	5.0	246978.0	3.187894	Y
7	IC 410-330490/6	20.0	65.76543	5.0	240218.0	3.288271	Y
8	IC 410-330490/3	30.0	95.245267	5.0	235825.0	3.174842	Y



Calibration / Hexachloroethane

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

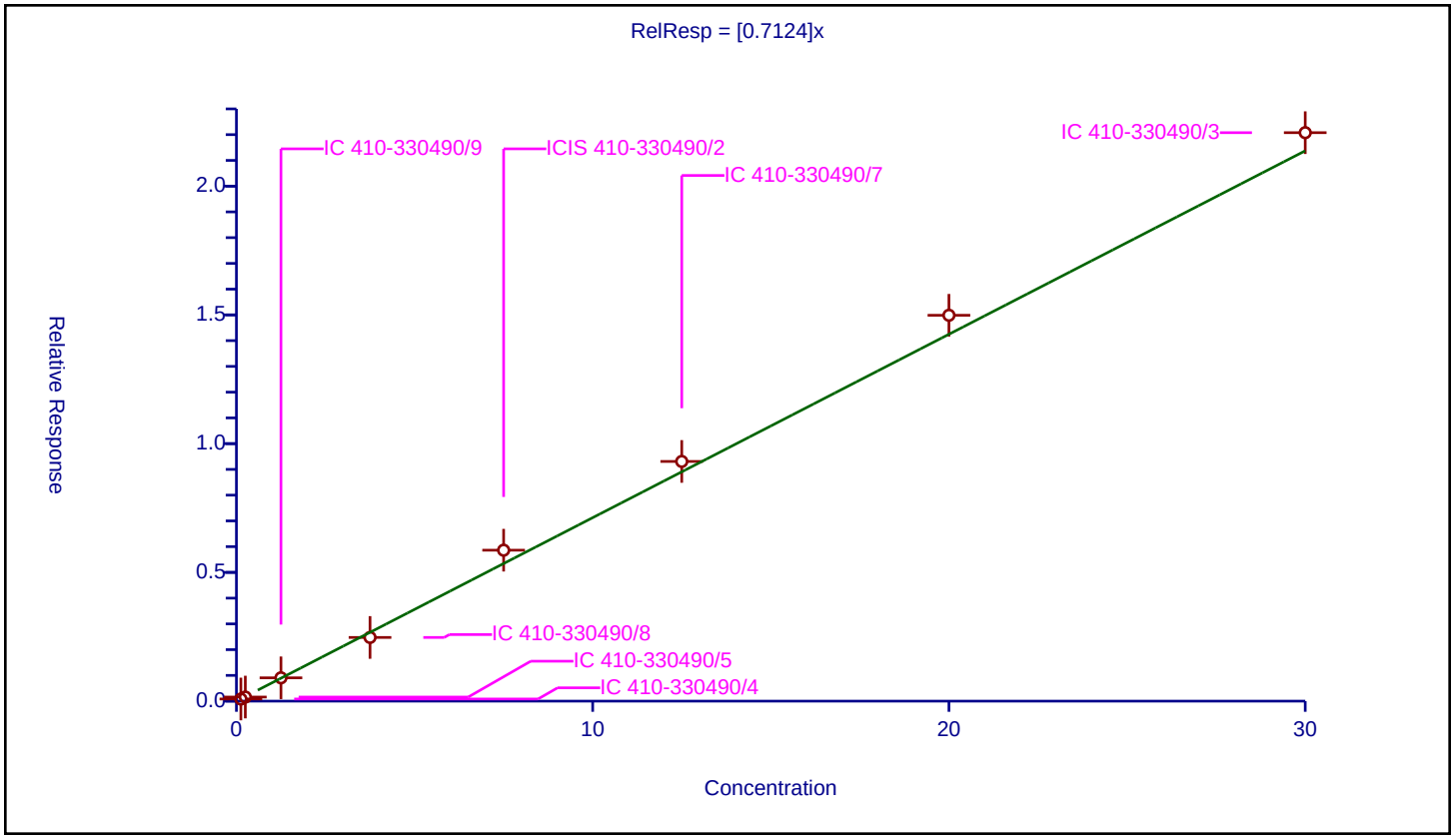
Curve Coefficients

Intercept:	0
Slope:	0.7124

Error Coefficients

Standard Error:	518000
Relative Standard Error:	7.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.083397	5.0	222430.0	0.667176	Y
2	IC 410-330490/5	0.25	0.159166	5.0	201016.0	0.636666	Y
3	IC 410-330490/9	1.25	0.905523	5.0	238133.0	0.724419	Y
4	IC 410-330490/8	3.75	2.473668	5.0	277416.0	0.659645	Y
5	ICIS 410-330490/2	7.5	5.861863	5.0	185070.0	0.781582	Y
6	IC 410-330490/7	12.5	9.30838	5.0	246978.0	0.74467	Y
7	IC 410-330490/6	20.0	14.985367	5.0	240218.0	0.749268	Y
8	IC 410-330490/3	30.0	22.076073	5.0	235825.0	0.735869	Y



Calibration / Nitrobenzene-d5

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

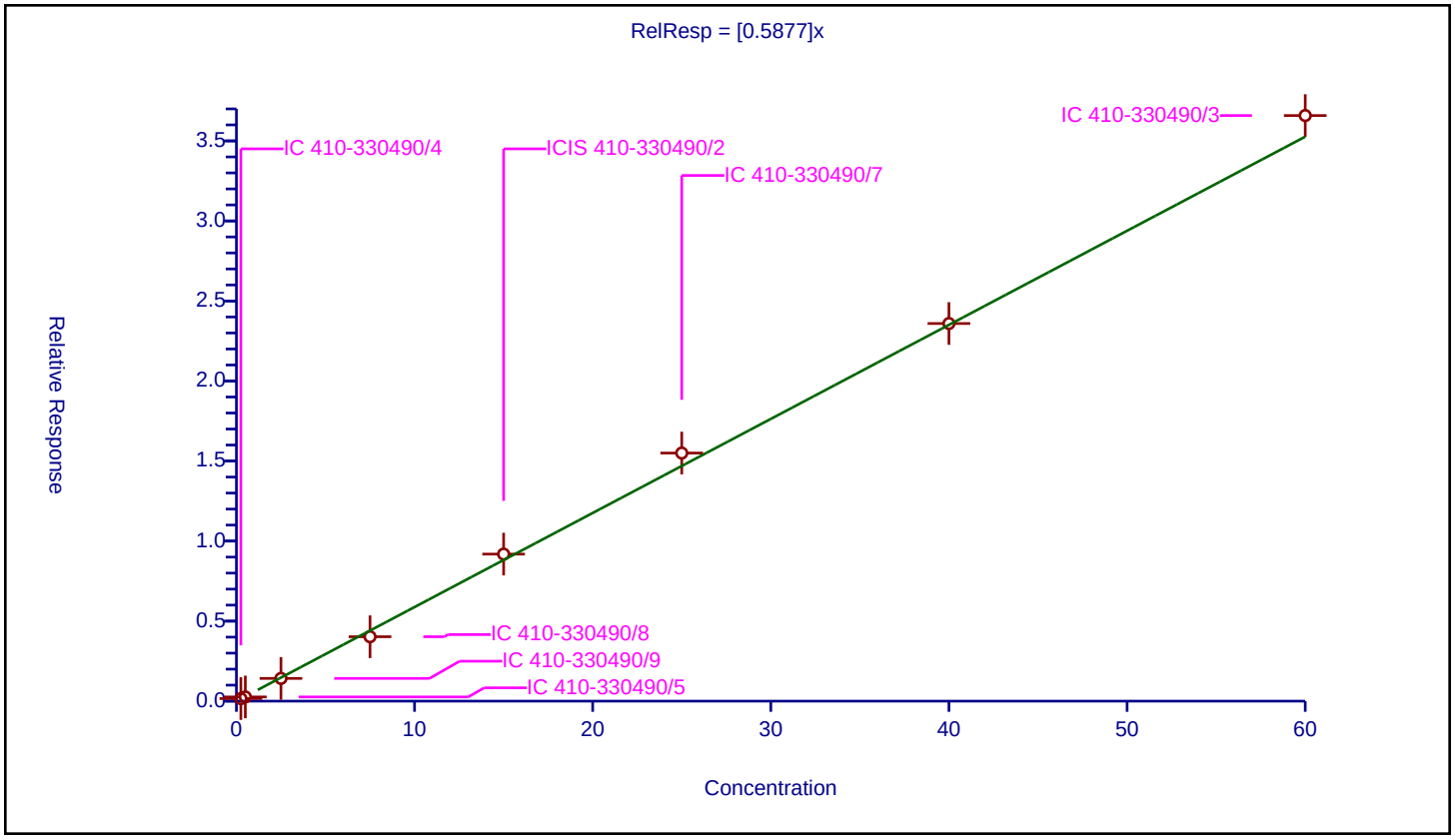
Curve Coefficients

Intercept:	0
Slope:	0.5877

Error Coefficients

Standard Error:	3580000
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 410-330490/4	0.25	0.16011	5.0	903846.0	0.640441	Y
2	IC 410-330490/5	0.5	0.262376	5.0	820272.0	0.524753	Y
3	IC 410-330490/9	2.5	1.419744	5.0	994813.0	0.567898	Y
4	IC 410-330490/8	7.5	4.024843	5.0	1157603.0	0.536646	Y
5	ICIS 410-330490/2	15.0	9.185829	5.0	822941.0	0.612389	Y
6	IC 410-330490/7	25.0	15.499095	5.0	1028562.0	0.619964	Y
7	IC 410-330490/6	40.0	23.591387	5.0	1025406.0	0.589785	Y
8	IC 410-330490/3	60.0	36.583968	5.0	994837.0	0.609733	Y



Calibration / Nitrobenzene

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

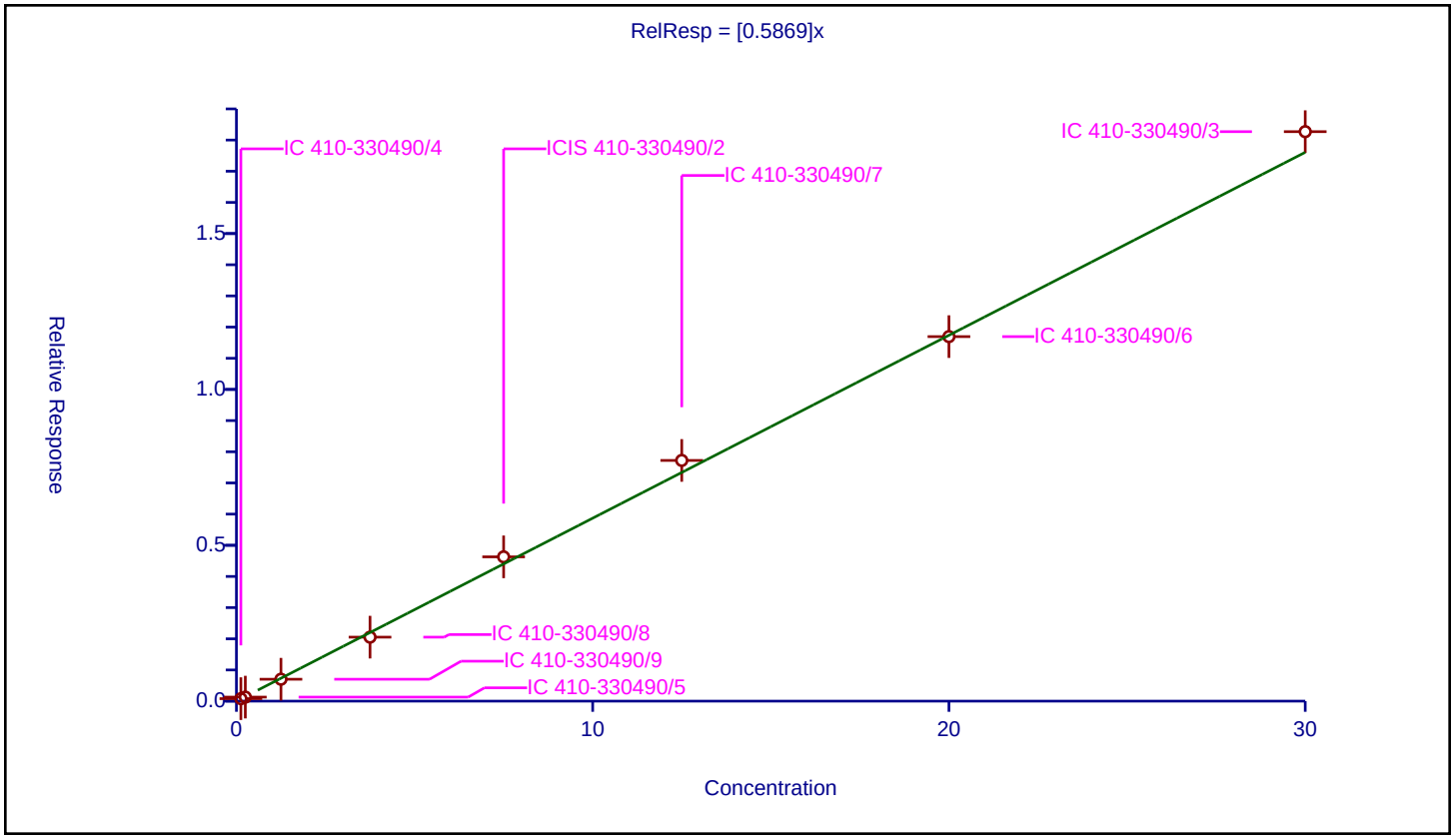
Curve Coefficients

Intercept:	0
Slope:	0.5869

Error Coefficients

Standard Error:	1790000
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 410-330490/4	0.125	0.079931	5.0	903846.0	0.639445	Y
2	IC 410-330490/5	0.25	0.129329	5.0	820272.0	0.517316	Y
3	IC 410-330490/9	1.25	0.702816	5.0	994813.0	0.562252	Y
4	IC 410-330490/8	3.75	2.052893	5.0	1157603.0	0.547438	Y
5	ICIS 410-330490/2	7.5	4.629129	5.0	822941.0	0.617217	Y
6	IC 410-330490/7	12.5	7.722412	5.0	1028562.0	0.617793	Y
7	IC 410-330490/6	20.0	11.694075	5.0	1025406.0	0.584704	Y
8	IC 410-330490/3	30.0	18.269832	5.0	994837.0	0.608994	Y



Calibration / N-Nitrosopiperidine

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

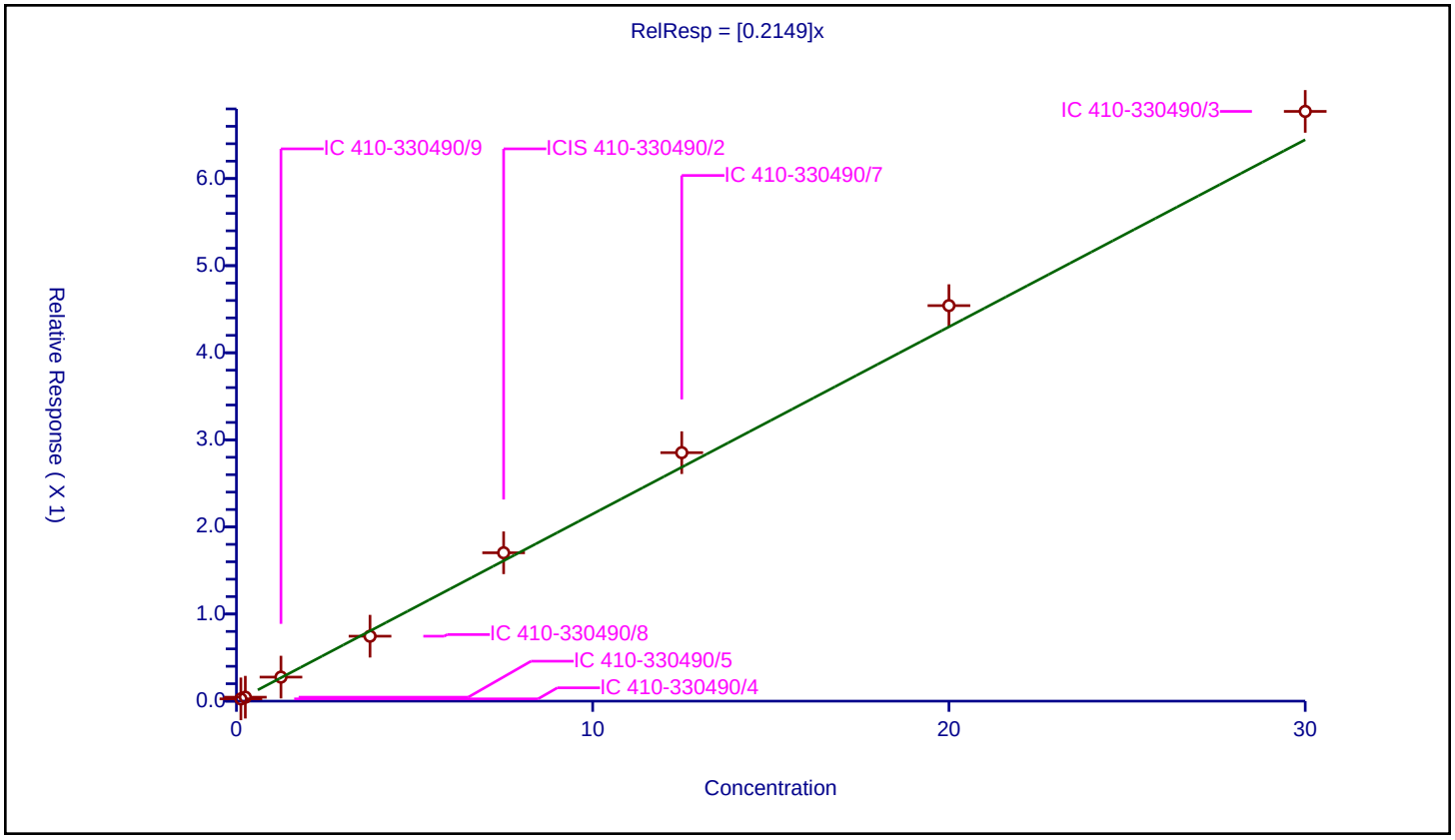
Curve Coefficients

Intercept:	0
Slope:	0.2149

Error Coefficients

Standard Error:	670000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.026205	5.0	903846.0	0.209637	Y
2	IC 410-330490/5	0.25	0.045424	5.0	820272.0	0.181696	Y
3	IC 410-330490/9	1.25	0.275881	5.0	994813.0	0.220705	Y
4	IC 410-330490/8	3.75	0.745679	5.0	1157603.0	0.198848	Y
5	ICIS 410-330490/2	7.5	1.703415	5.0	822941.0	0.227122	Y
6	IC 410-330490/7	12.5	2.852871	5.0	1028562.0	0.22823	Y
7	IC 410-330490/6	20.0	4.541372	5.0	1025406.0	0.227069	Y
8	IC 410-330490/3	30.0	6.771371	5.0	994837.0	0.225712	Y



Calibration / Isophorone

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

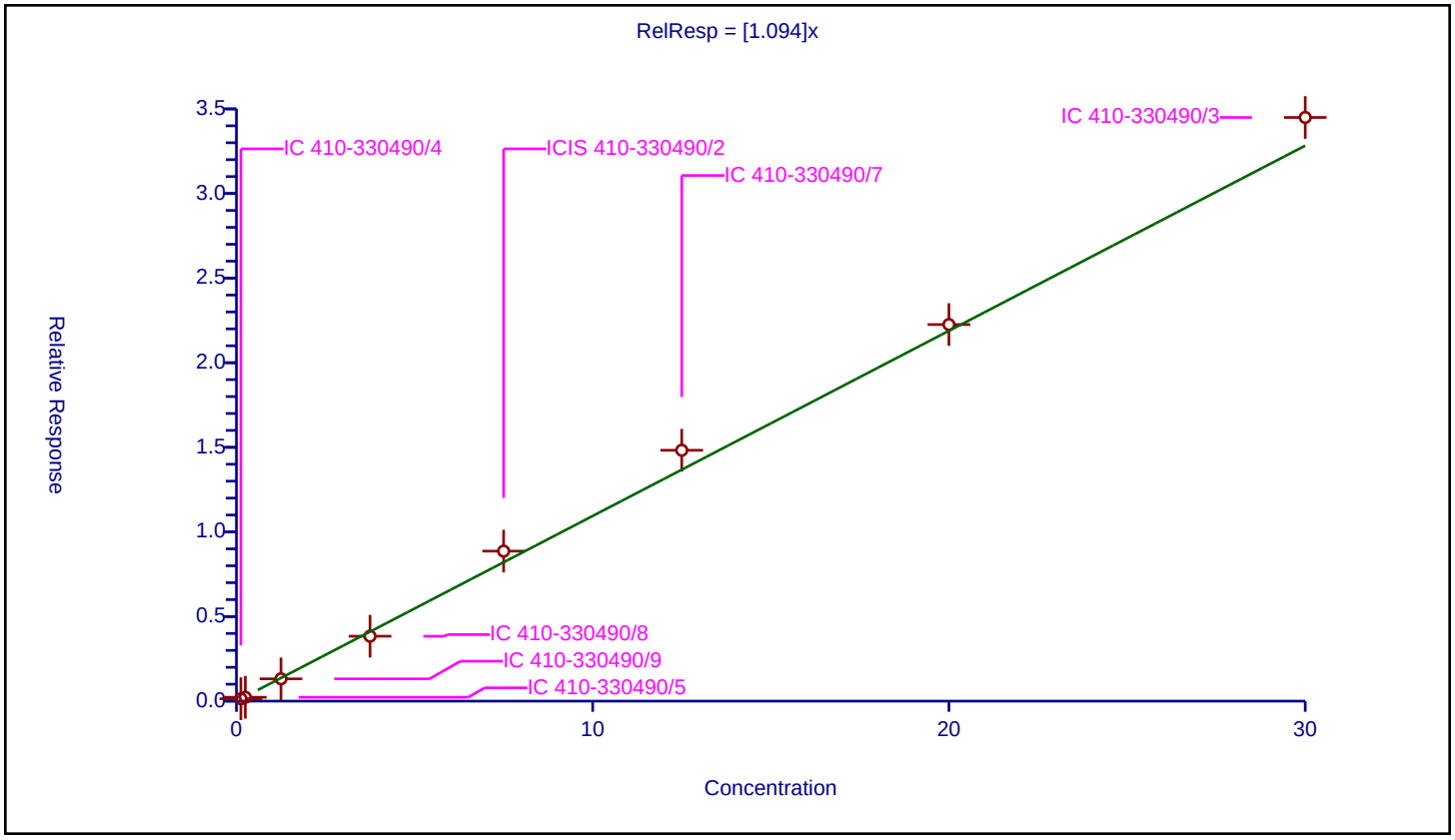
Curve Coefficients

Intercept:	0
Slope:	1.094

Error Coefficients

Standard Error:	3390000
Relative Standard Error:	8.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.141269	5.0	903846.0	1.130148	Y
2	IC 410-330490/5	0.25	0.229247	5.0	820272.0	0.916989	Y
3	IC 410-330490/9	1.25	1.31684	5.0	994813.0	1.053472	Y
4	IC 410-330490/8	3.75	3.835935	5.0	1157603.0	1.022916	Y
5	ICIS 410-330490/2	7.5	8.865289	5.0	822941.0	1.182039	Y
6	IC 410-330490/7	12.5	14.825494	5.0	1028562.0	1.18604	Y
7	IC 410-330490/6	20.0	22.255984	5.0	1025406.0	1.112799	Y
8	IC 410-330490/3	30.0	34.495058	5.0	994837.0	1.149835	Y



Calibration / 2-Nitrophenol

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

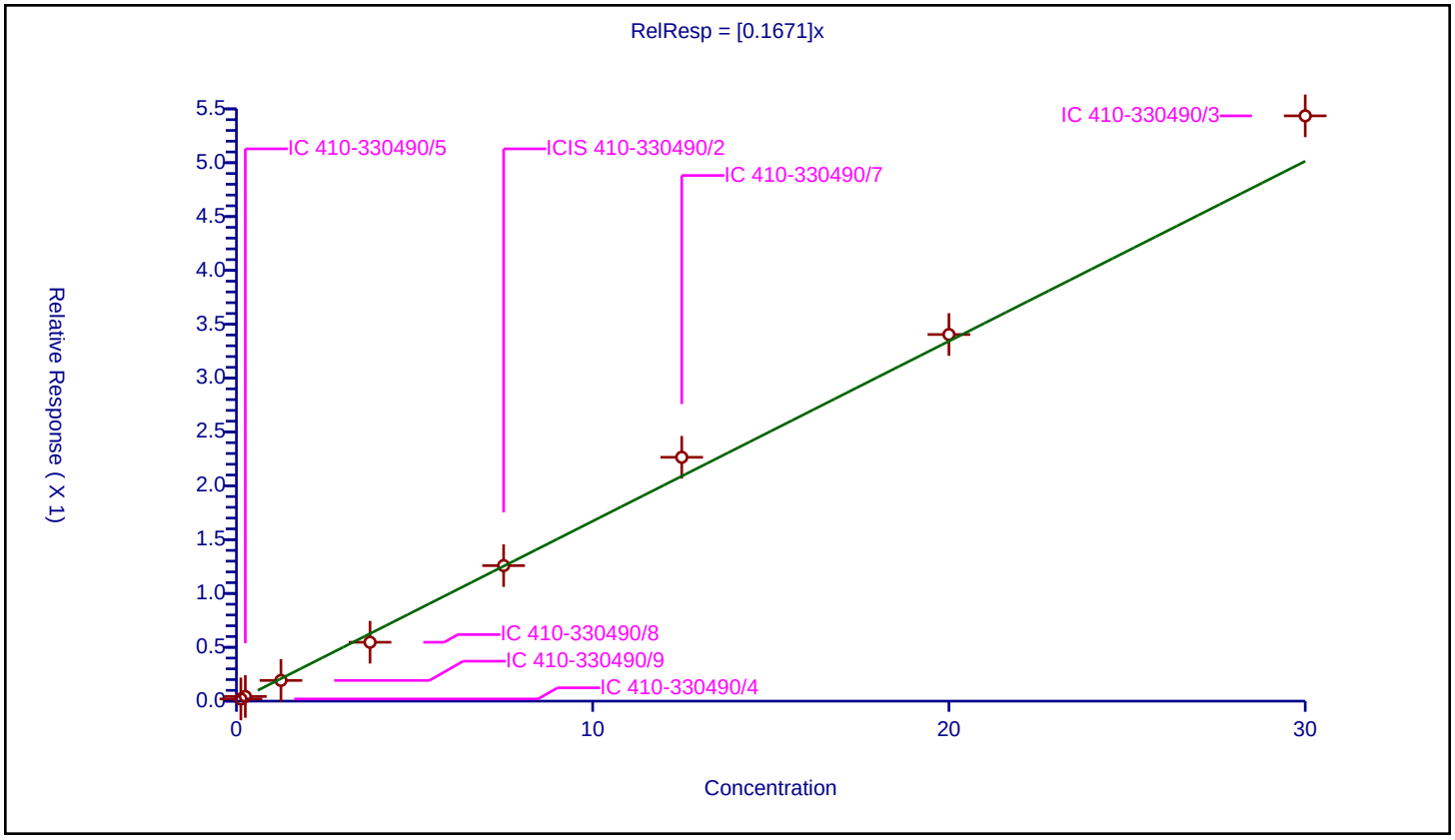
Curve Coefficients

Intercept:	0
Slope:	0.1671

Error Coefficients

Standard Error:	526000
Relative Standard Error:	7.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.020363	5.0	903846.0	0.162904	Y
2	IC 410-330490/5	0.25	0.04351	5.0	820272.0	0.17404	Y
3	IC 410-330490/9	1.25	0.192388	5.0	994813.0	0.15391	Y
4	IC 410-330490/8	3.75	0.547036	5.0	1157603.0	0.145876	Y
5	ICIS 410-330490/2	7.5	1.258608	5.0	822941.0	0.167814	Y
6	IC 410-330490/7	12.5	2.264628	5.0	1028562.0	0.18117	Y
7	IC 410-330490/6	20.0	3.404798	5.0	1025406.0	0.17024	Y
8	IC 410-330490/3	30.0	5.435373	5.0	994837.0	0.181179	Y



Calibration / 2,4-Dimethylphenol

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

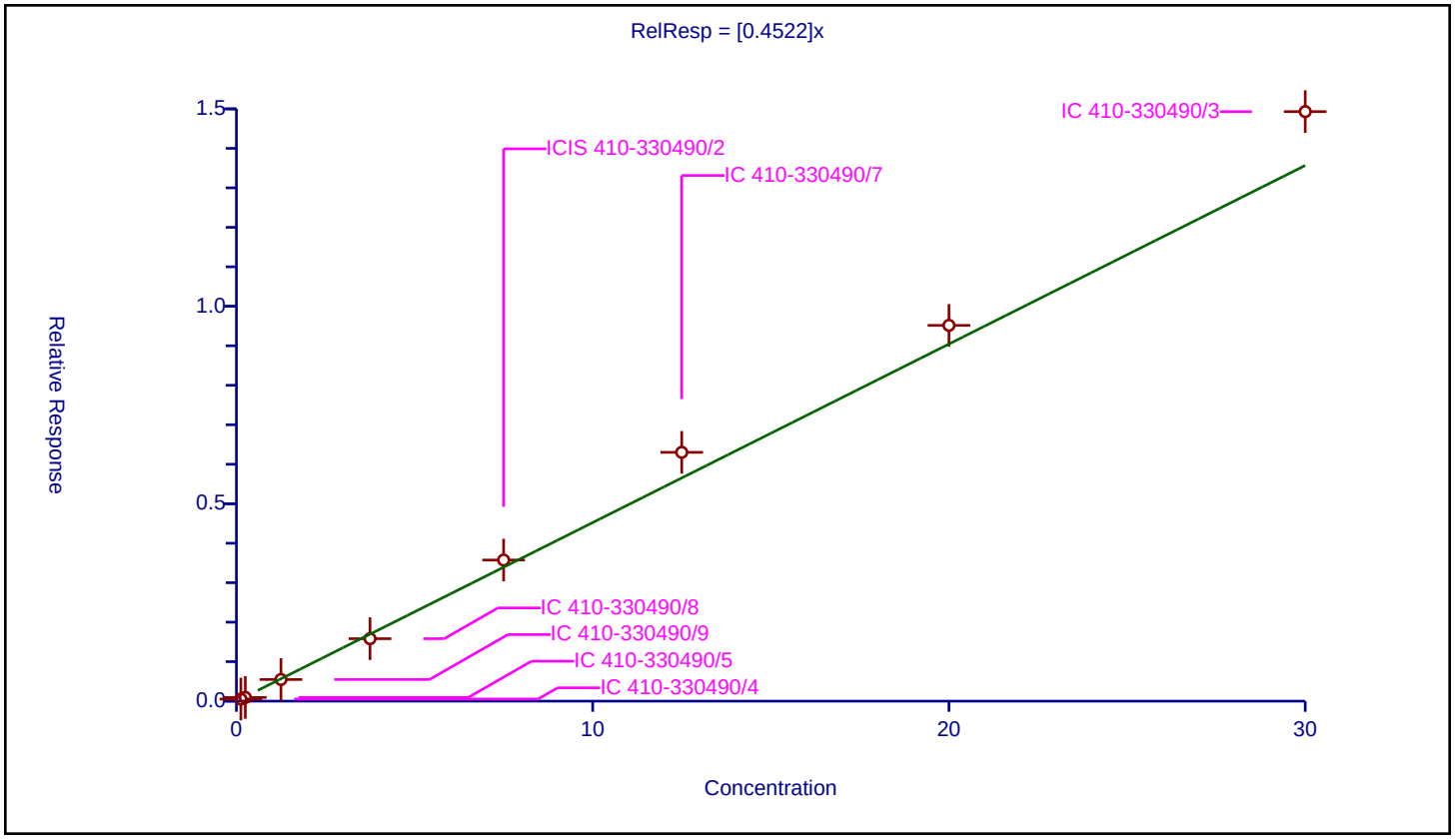
Curve Coefficients

Intercept:	0
Slope:	0.4522

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	9.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.05382	5.0	903846.0	0.43056	Y
2	IC 410-330490/5	0.25	0.09314	5.0	820272.0	0.372559	Y
3	IC 410-330490/9	1.25	0.548249	5.0	994813.0	0.438599	Y
4	IC 410-330490/8	3.75	1.582365	5.0	1157603.0	0.421964	Y
5	ICIS 410-330490/2	7.5	3.573762	5.0	822941.0	0.476502	Y
6	IC 410-330490/7	12.5	6.301686	5.0	1028562.0	0.504135	Y
7	IC 410-330490/6	20.0	9.516874	5.0	1025406.0	0.475844	Y
8	IC 410-330490/3	30.0	14.930431	5.0	994837.0	0.497681	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

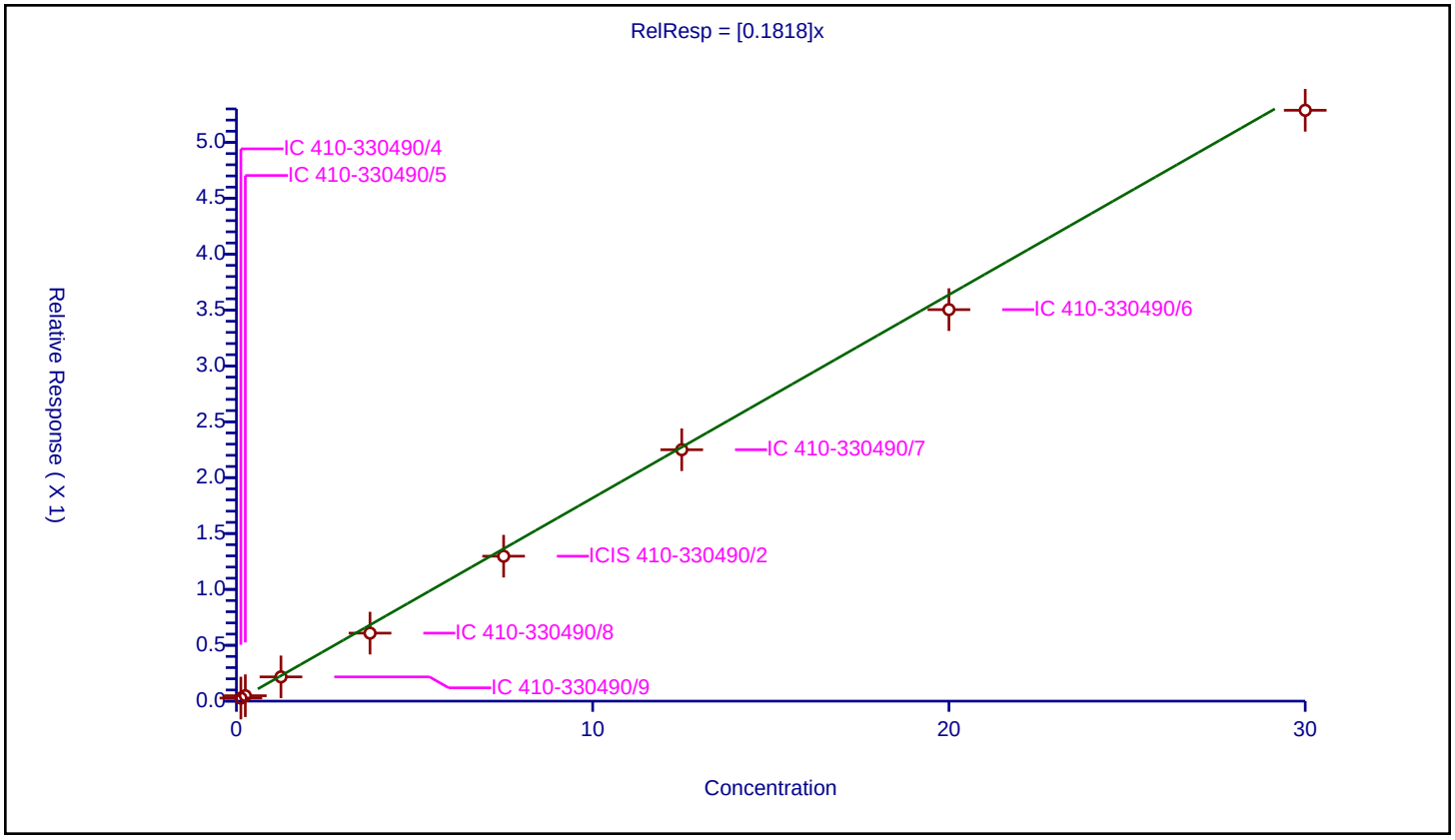
Curve Coefficients

Intercept:	0
Slope:	0.1818

Error Coefficients

Standard Error:	522000
Relative Standard Error:	9.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.027577	5.0	903846.0	0.220613	Y
2	IC 410-330490/5	0.25	0.04846	5.0	820272.0	0.193838	Y
3	IC 410-330490/9	1.25	0.216925	5.0	994813.0	0.17354	Y
4	IC 410-330490/8	3.75	0.608542	5.0	1157603.0	0.162278	Y
5	ICIS 410-330490/2	7.5	1.297128	5.0	822941.0	0.17295	Y
6	IC 410-330490/7	12.5	2.249971	5.0	1028562.0	0.179998	Y
7	IC 410-330490/6	20.0	3.503627	5.0	1025406.0	0.175181	Y
8	IC 410-330490/3	30.0	5.287625	5.0	994837.0	0.176254	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

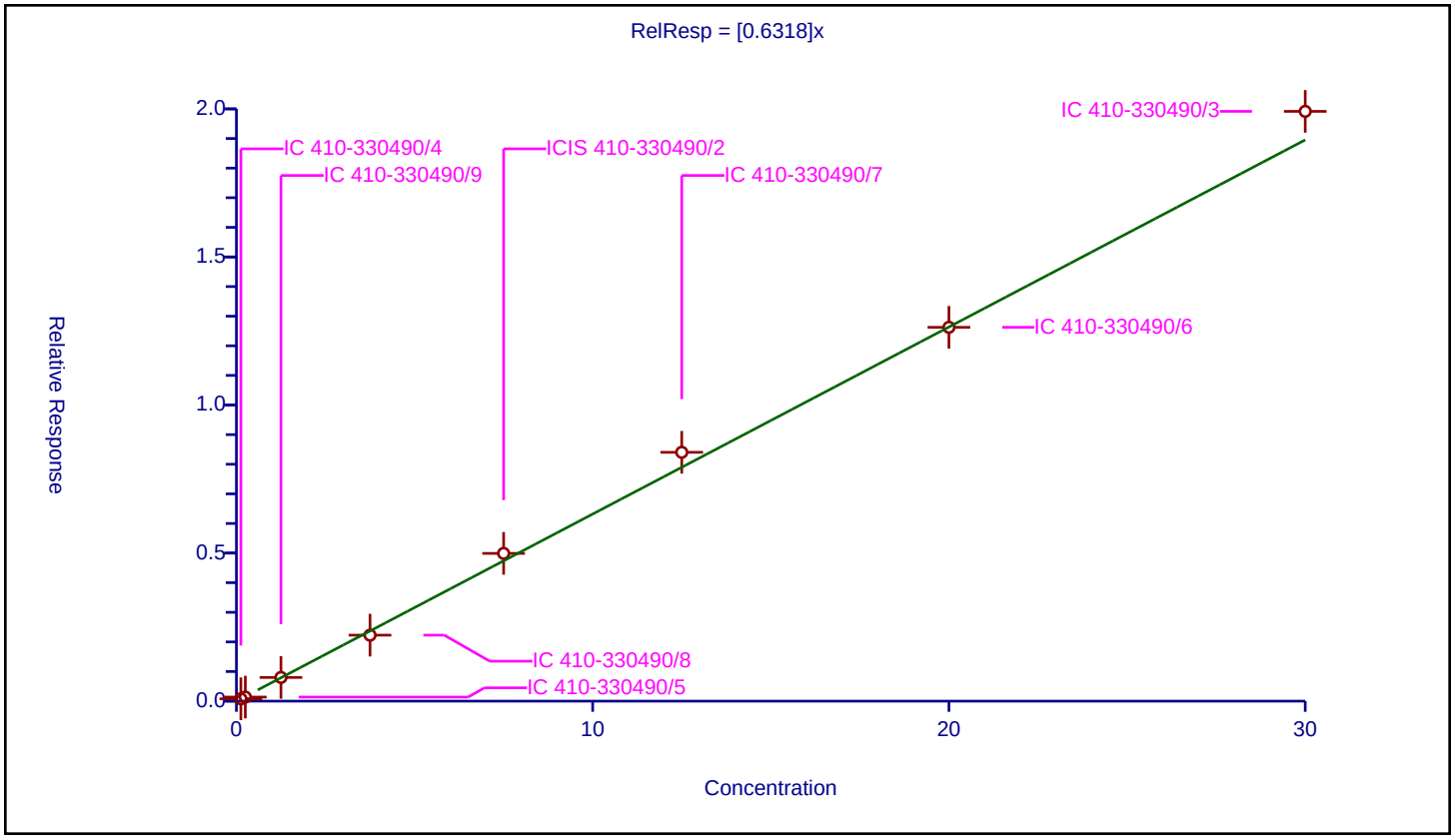
Curve Coefficients

Intercept:	0
Slope:	0.6318

Error Coefficients

Standard Error:	1940000
Relative Standard Error:	6.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.079964	5.0	903846.0	0.639711	Y
2	IC 410-330490/5	0.25	0.136973	5.0	820272.0	0.547891	Y
3	IC 410-330490/9	1.25	0.799658	5.0	994813.0	0.639726	Y
4	IC 410-330490/8	3.75	2.228592	5.0	1157603.0	0.594291	Y
5	ICIS 410-330490/2	7.5	4.98924	5.0	822941.0	0.665232	Y
6	IC 410-330490/7	12.5	8.402449	5.0	1028562.0	0.672196	Y
7	IC 410-330490/6	20.0	12.623795	5.0	1025406.0	0.63119	Y
8	IC 410-330490/3	30.0	19.916212	5.0	994837.0	0.663874	Y



Calibration / 2,4-Dichlorophenol

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

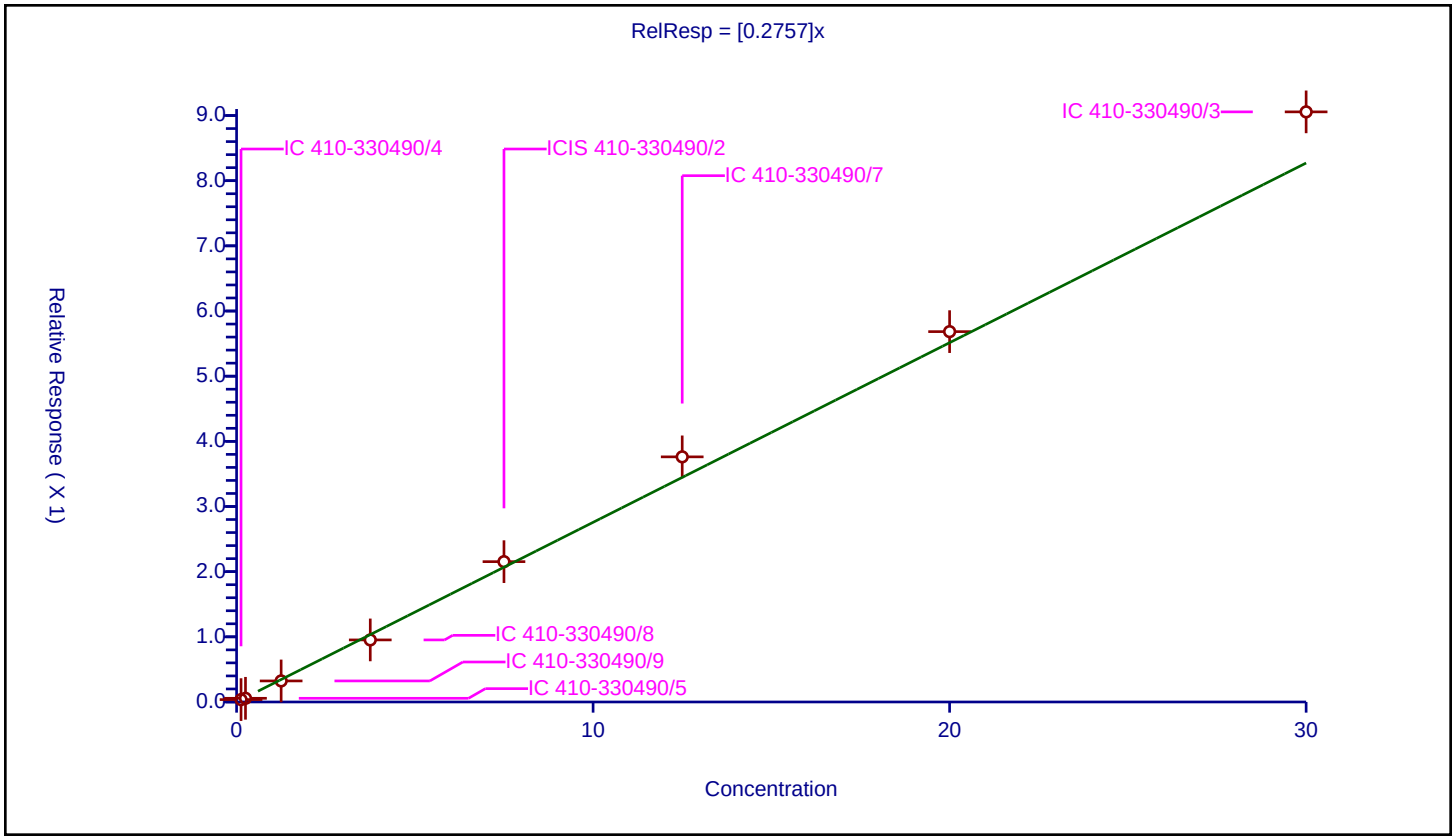
Curve Coefficients

Intercept:	0
Slope:	0.2757

Error Coefficients

Standard Error:	877000
Relative Standard Error:	9.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.036627	5.0	903846.0	0.293015	Y
2	IC 410-330490/5	0.25	0.056475	5.0	820272.0	0.225901	Y
3	IC 410-330490/9	1.25	0.323242	5.0	994813.0	0.258593	Y
4	IC 410-330490/8	3.75	0.952468	5.0	1157603.0	0.253992	Y
5	ICIS 410-330490/2	7.5	2.153429	5.0	822941.0	0.287124	Y
6	IC 410-330490/7	12.5	3.7618	5.0	1028562.0	0.300944	Y
7	IC 410-330490/6	20.0	5.683763	5.0	1025406.0	0.284188	Y
8	IC 410-330490/3	30.0	9.056071	5.0	994837.0	0.301869	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

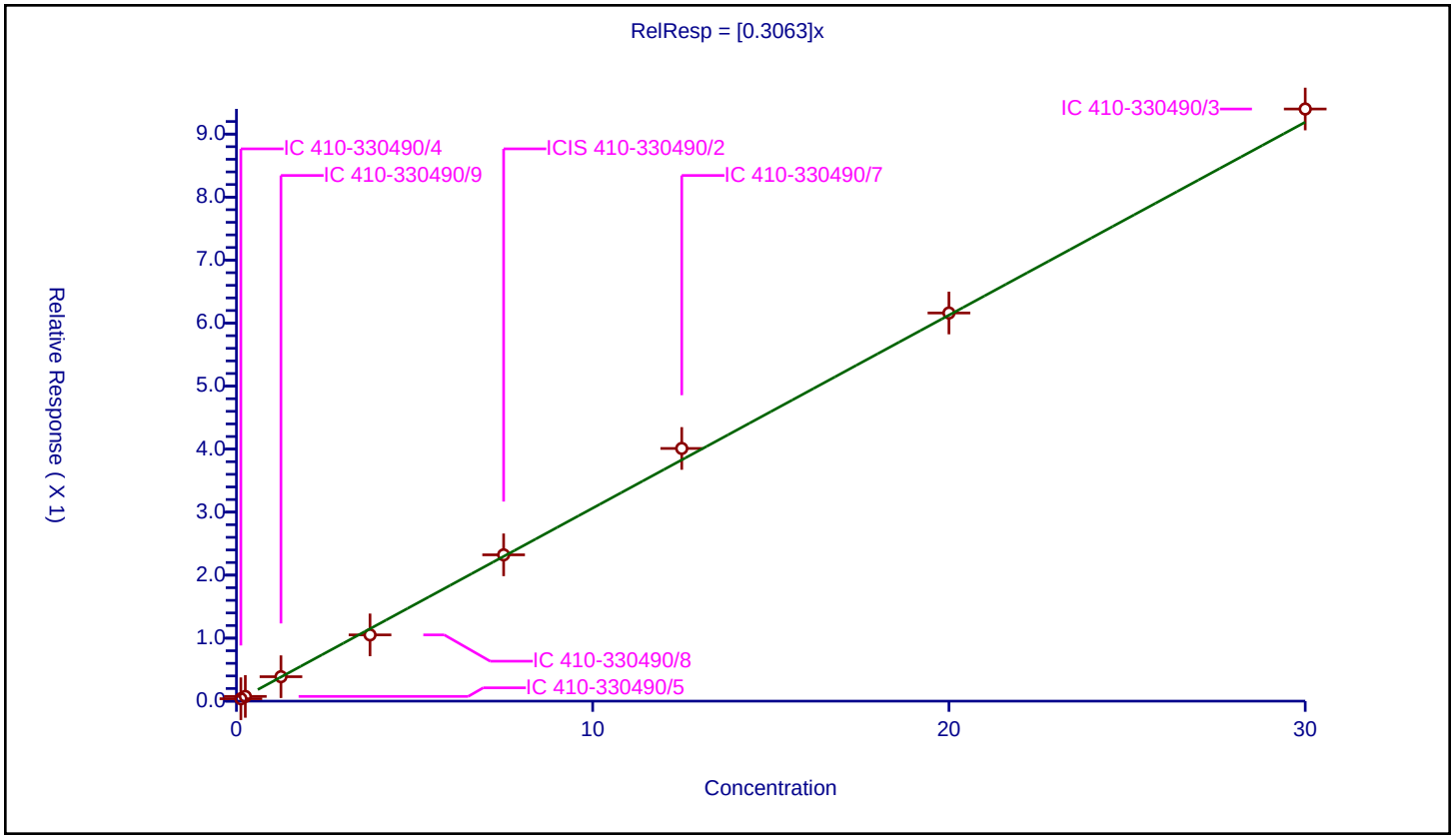
Curve Coefficients

Intercept:	0
Slope:	0.3063

Error Coefficients

Standard Error:	925000
Relative Standard Error:	3.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.038458	5.0	903846.0	0.307663	Y
2	IC 410-330490/5	0.25	0.075115	5.0	820272.0	0.300461	Y
3	IC 410-330490/9	1.25	0.387791	5.0	994813.0	0.310233	Y
4	IC 410-330490/8	3.75	1.05144	5.0	1157603.0	0.280384	Y
5	ICIS 410-330490/2	7.5	2.322044	5.0	822941.0	0.309606	Y
6	IC 410-330490/7	12.5	4.010468	5.0	1028562.0	0.320837	Y
7	IC 410-330490/6	20.0	6.160609	5.0	1025406.0	0.30803	Y
8	IC 410-330490/3	30.0	9.398097	5.0	994837.0	0.31327	Y



Calibration / Naphthalene

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

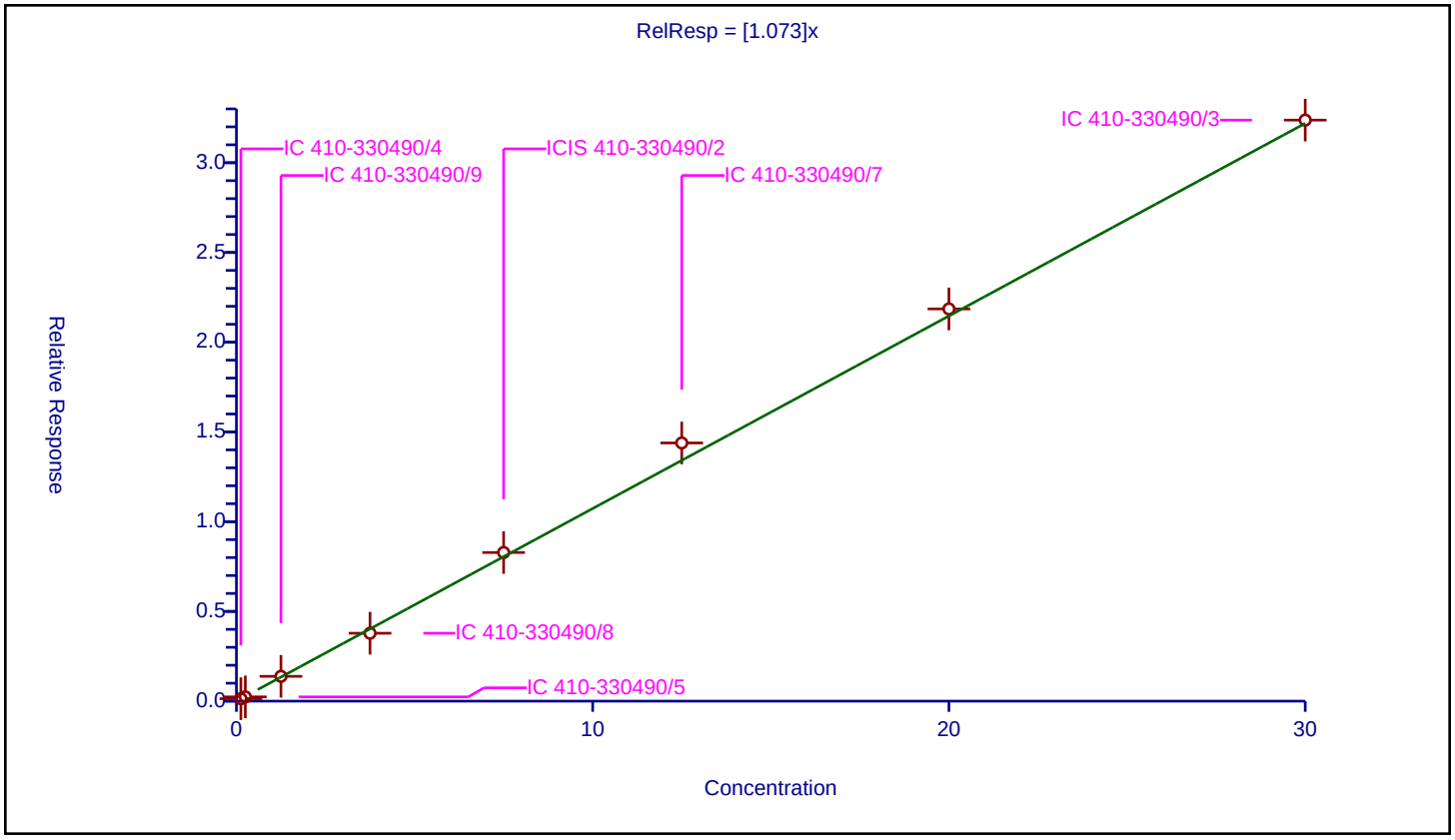
Curve Coefficients

Intercept:	0
Slope:	1.073

Error Coefficients

Standard Error:	3230000
Relative Standard Error:	6.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.136826	5.0	903846.0	1.094611	Y
2	IC 410-330490/5	0.25	0.237184	5.0	820272.0	0.948734	Y
3	IC 410-330490/9	1.25	1.382777	5.0	994813.0	1.106222	Y
4	IC 410-330490/8	3.75	3.782864	5.0	1157603.0	1.008764	Y
5	ICIS 410-330490/2	7.5	8.281803	5.0	822941.0	1.10424	Y
6	IC 410-330490/7	12.5	14.385915	5.0	1028562.0	1.150873	Y
7	IC 410-330490/6	20.0	21.854592	5.0	1025406.0	1.09273	Y
8	IC 410-330490/3	30.0	32.374967	5.0	994837.0	1.079166	Y



Calibration / Alpha-Terpineol

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

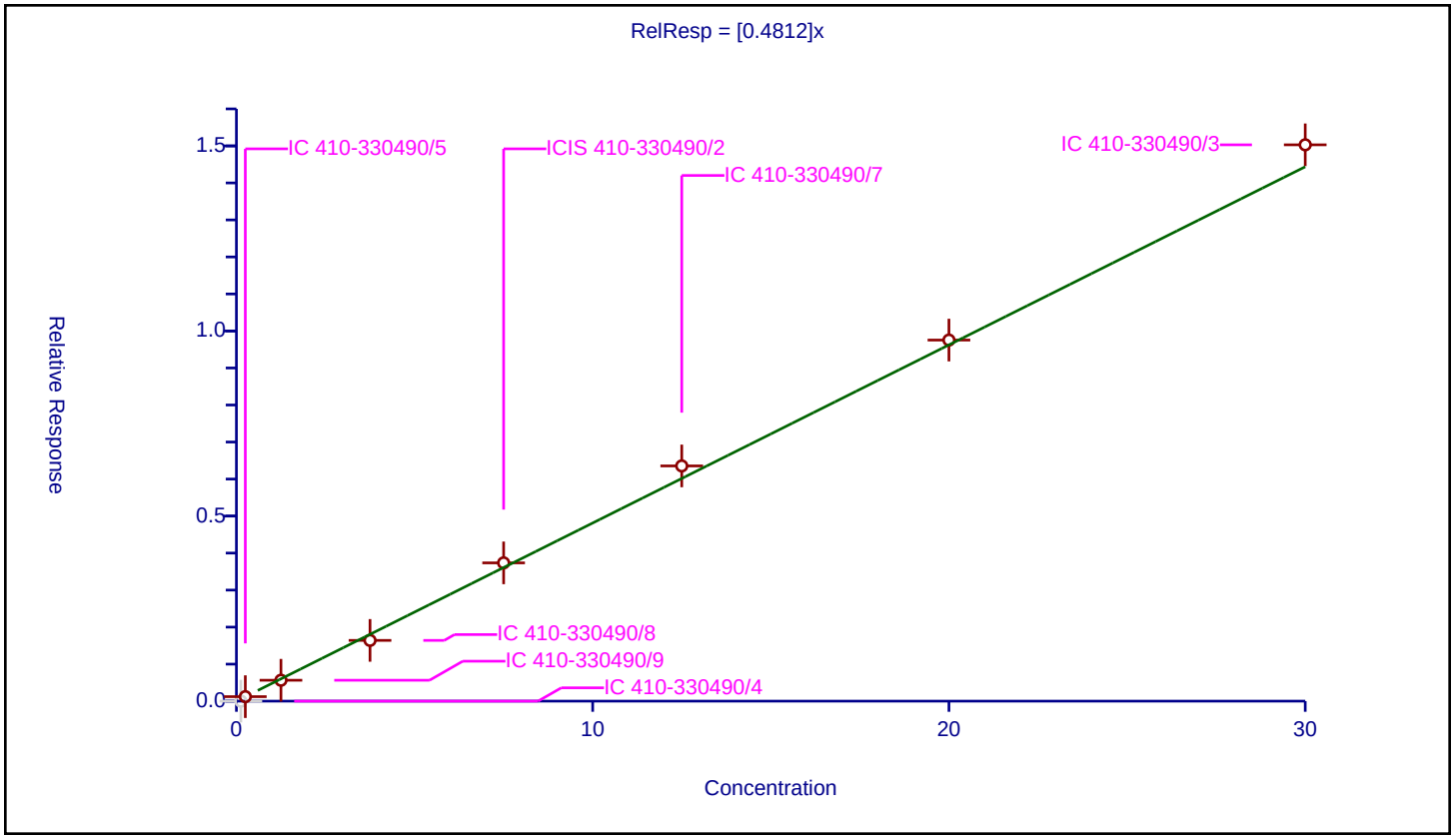
Curve Coefficients

Intercept:	0
Slope:	0.4812

Error Coefficients

Standard Error:	1590000
Relative Standard Error:	5.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.0	5.0	903846.0	0.0	N
2	IC 410-330490/5	0.25	0.121039	5.0	820272.0	0.484156	Y
3	IC 410-330490/9	1.25	0.564674	5.0	994813.0	0.451739	Y
4	IC 410-330490/8	3.75	1.640981	5.0	1157603.0	0.437595	Y
5	ICIS 410-330490/2	7.5	3.735146	5.0	822941.0	0.49802	Y
6	IC 410-330490/7	12.5	6.354537	5.0	1028562.0	0.508363	Y
7	IC 410-330490/6	20.0	9.754414	5.0	1025406.0	0.487721	Y
8	IC 410-330490/3	30.0	15.029387	5.0	994837.0	0.50098	Y



Calibration / 4-Chloroaniline

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

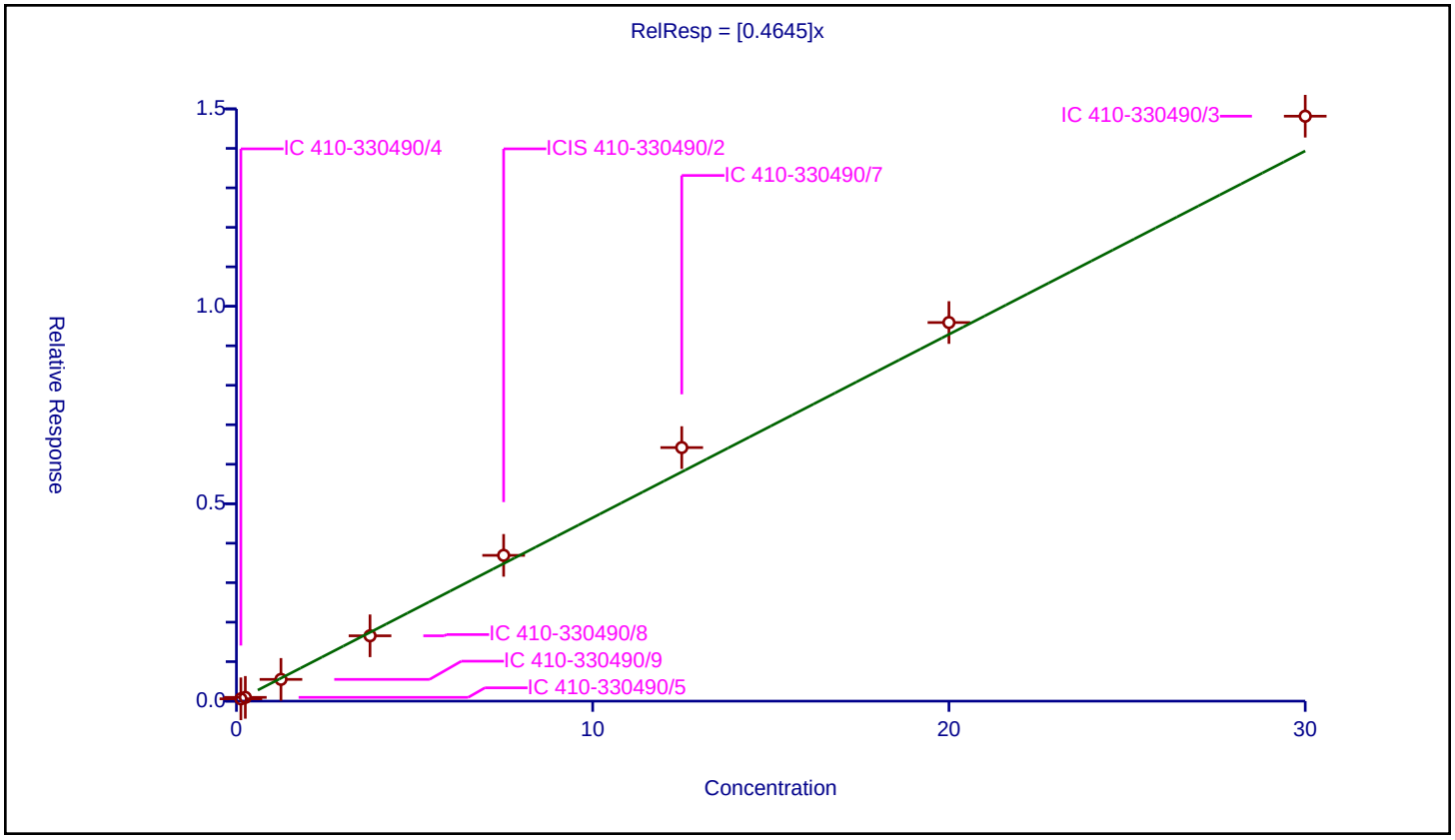
Curve Coefficients

Intercept:	0
Slope:	0.4645

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	9.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.059131	5.0	903846.0	0.473045	Y
2	IC 410-330490/5	0.25	0.095346	5.0	820272.0	0.381386	Y
3	IC 410-330490/9	1.25	0.550958	5.0	994813.0	0.440766	Y
4	IC 410-330490/8	3.75	1.654894	5.0	1157603.0	0.441305	Y
5	ICIS 410-330490/2	7.5	3.692221	5.0	822941.0	0.492296	Y
6	IC 410-330490/7	12.5	6.422418	5.0	1028562.0	0.513793	Y
7	IC 410-330490/6	20.0	9.589021	5.0	1025406.0	0.479451	Y
8	IC 410-330490/3	30.0	14.814914	5.0	994837.0	0.49383	Y



Calibration / 2,6-Dichlorophenol

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

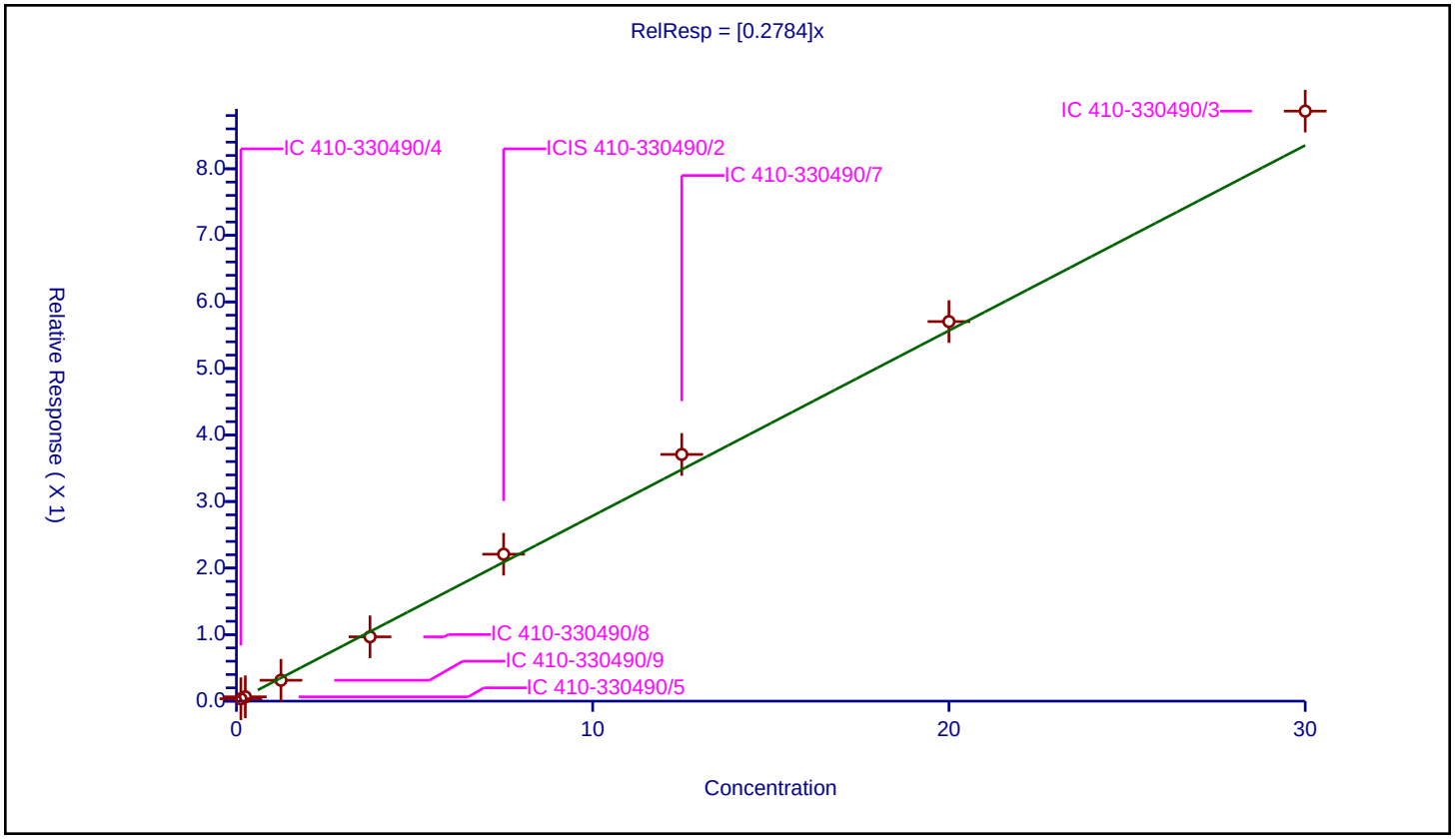
Curve Coefficients

Intercept:	0
Slope:	0.2784

Error Coefficients

Standard Error:	866000
Relative Standard Error:	6.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.035847	5.0	903846.0	0.286775	Y
2	IC 410-330490/5	0.25	0.064936	5.0	820272.0	0.259743	Y
3	IC 410-330490/9	1.25	0.314009	5.0	994813.0	0.251207	Y
4	IC 410-330490/8	3.75	0.966821	5.0	1157603.0	0.257819	Y
5	ICIS 410-330490/2	7.5	2.207892	5.0	822941.0	0.294386	Y
6	IC 410-330490/7	12.5	3.707404	5.0	1028562.0	0.296592	Y
7	IC 410-330490/6	20.0	5.704004	5.0	1025406.0	0.2852	Y
8	IC 410-330490/3	30.0	8.866251	5.0	994837.0	0.295542	Y



Calibration / Hexachloropropene

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

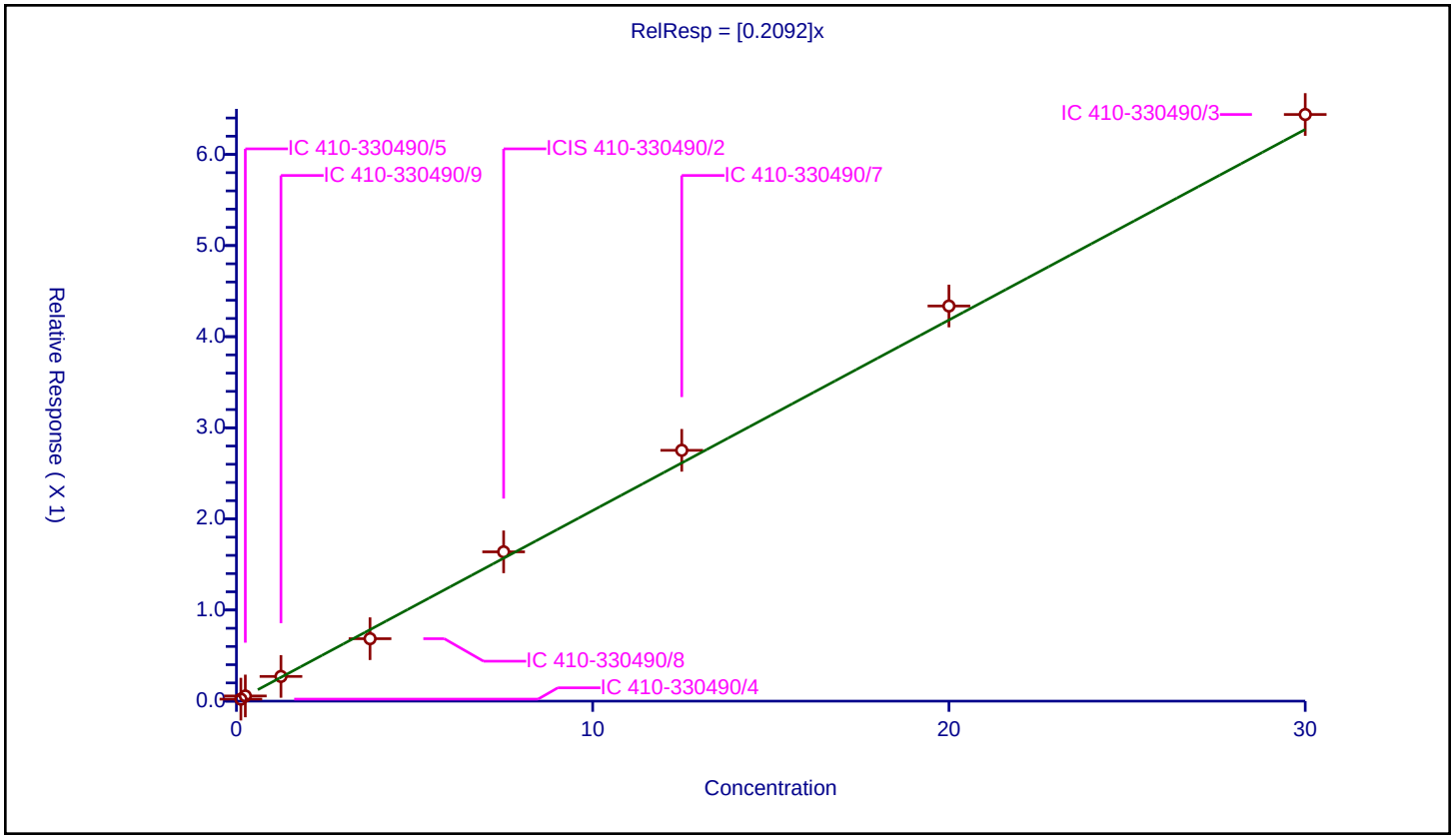
Curve Coefficients

Intercept:	0
Slope:	0.2092

Error Coefficients

Standard Error:	638000
Relative Standard Error:	8.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.022083	5.0	903846.0	0.176667	Y
2	IC 410-330490/5	0.25	0.056713	5.0	820272.0	0.226852	Y
3	IC 410-330490/9	1.25	0.270996	5.0	994813.0	0.216797	Y
4	IC 410-330490/8	3.75	0.6853	5.0	1157603.0	0.182747	Y
5	ICIS 410-330490/2	7.5	1.638665	5.0	822941.0	0.218489	Y
6	IC 410-330490/7	12.5	2.752829	5.0	1028562.0	0.220226	Y
7	IC 410-330490/6	20.0	4.336687	5.0	1025406.0	0.216834	Y
8	IC 410-330490/3	30.0	6.438597	5.0	994837.0	0.21462	Y



Calibration / Hexachlorobutadiene

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

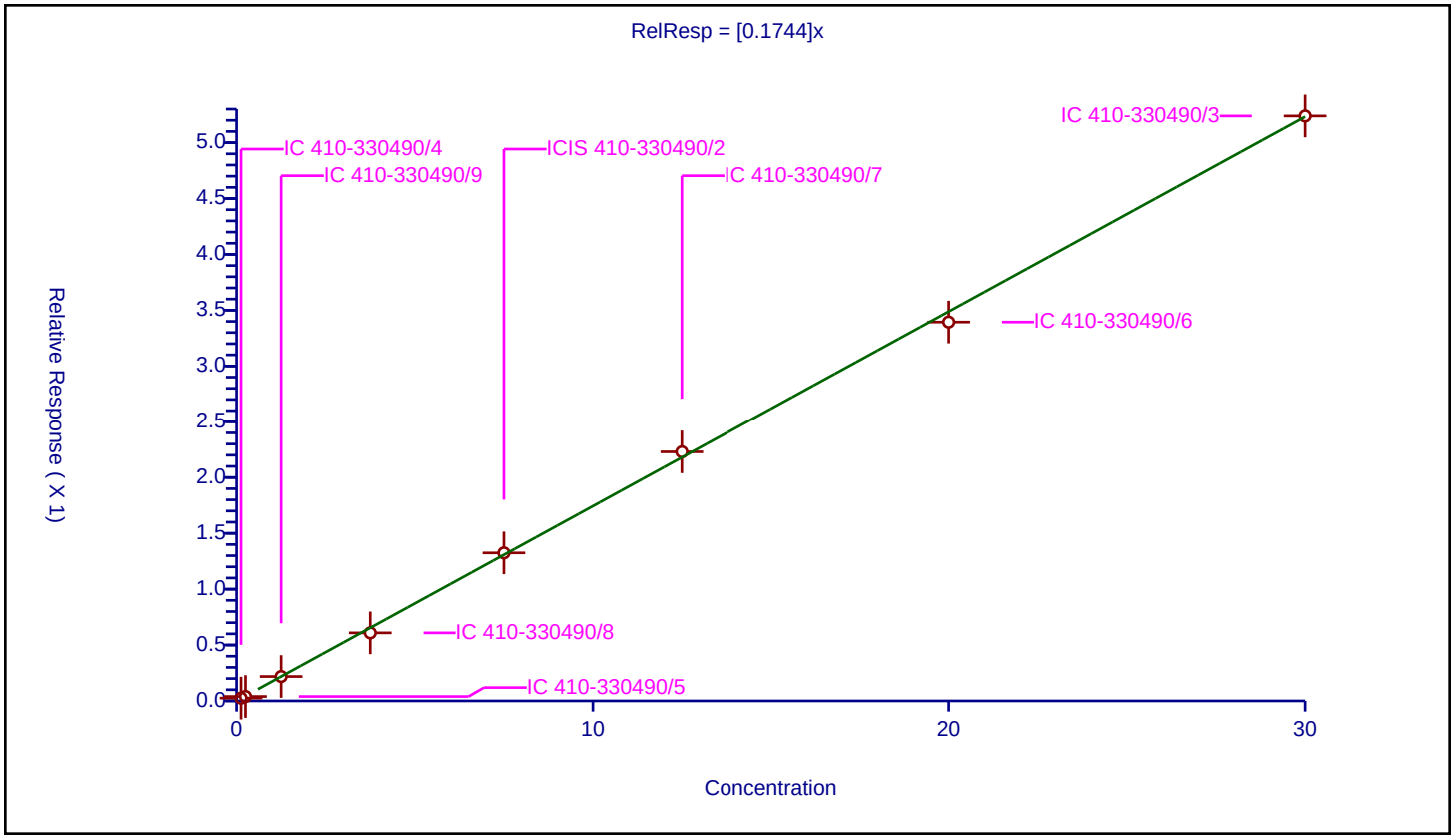
Curve Coefficients

Intercept:	0
Slope:	0.1744

Error Coefficients

Standard Error:	514000
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 410-330490/4	0.125	0.025176	5.0	903846.0	0.201406	Y
2	IC 410-330490/5	0.25	0.039402	5.0	820272.0	0.157606	Y
3	IC 410-330490/9	1.25	0.218101	5.0	994813.0	0.174481	Y
4	IC 410-330490/8	3.75	0.608767	5.0	1157603.0	0.162338	Y
5	ICIS 410-330490/2	7.5	1.324888	5.0	822941.0	0.176652	Y
6	IC 410-330490/7	12.5	2.230055	5.0	1028562.0	0.178404	Y
7	IC 410-330490/6	20.0	3.394221	5.0	1025406.0	0.169711	Y
8	IC 410-330490/3	30.0	5.238687	5.0	994837.0	0.174623	Y



Calibration / Quinoline

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

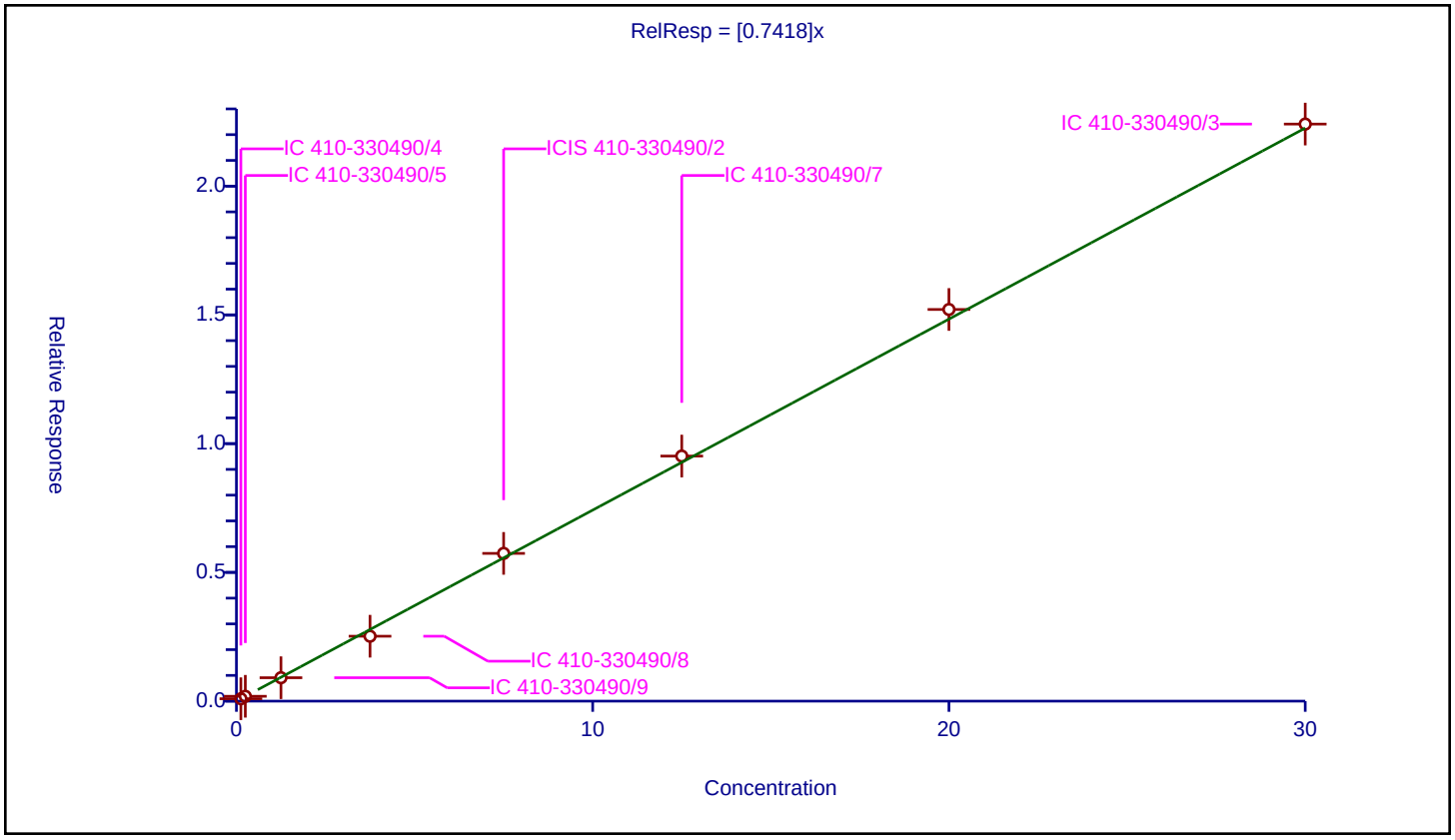
Curve Coefficients

Intercept:	0
Slope:	0.7418

Error Coefficients

Standard Error:	2230000
Relative Standard Error:	4.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.093268	5.0	903846.0	0.746145	Y
2	IC 410-330490/5	0.25	0.188639	5.0	820272.0	0.754555	Y
3	IC 410-330490/9	1.25	0.909442	5.0	994813.0	0.727554	Y
4	IC 410-330490/8	3.75	2.521266	5.0	1157603.0	0.672338	Y
5	ICIS 410-330490/2	7.5	5.738328	5.0	822941.0	0.76511	Y
6	IC 410-330490/7	12.5	9.51754	5.0	1028562.0	0.761403	Y
7	IC 410-330490/6	20.0	15.210361	5.0	1025406.0	0.760518	Y
8	IC 410-330490/3	30.0	22.410747	5.0	994837.0	0.747025	Y



Calibration / Caprolactam

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

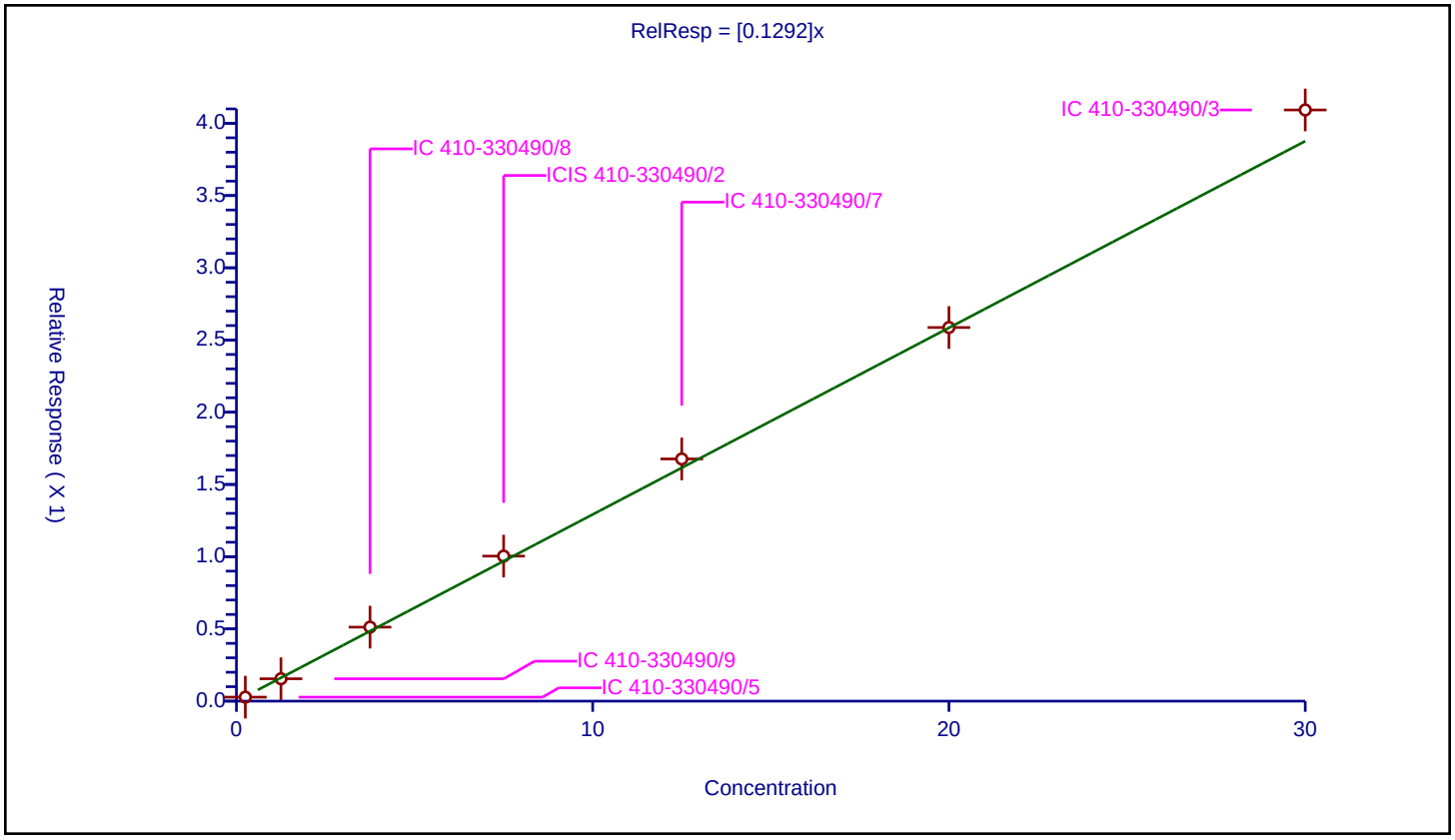
Curve Coefficients

Intercept:	0
Slope:	0.1292

Error Coefficients

Standard Error:	429000
Relative Standard Error:	7.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/5	0.25	0.02754	5.0	820272.0	0.110159	Y
2	IC 410-330490/9	1.25	0.155019	5.0	994813.0	0.124015	Y
3	IC 410-330490/8	3.75	0.512343	5.0	1157603.0	0.136625	Y
4	ICIS 410-330490/2	7.5	1.004015	5.0	822941.0	0.133869	Y
5	IC 410-330490/7	12.5	1.676754	5.0	1028562.0	0.13414	Y
6	IC 410-330490/6	20.0	2.58661	5.0	1025406.0	0.12933	Y
7	IC 410-330490/3	30.0	4.092665	5.0	994837.0	0.136422	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

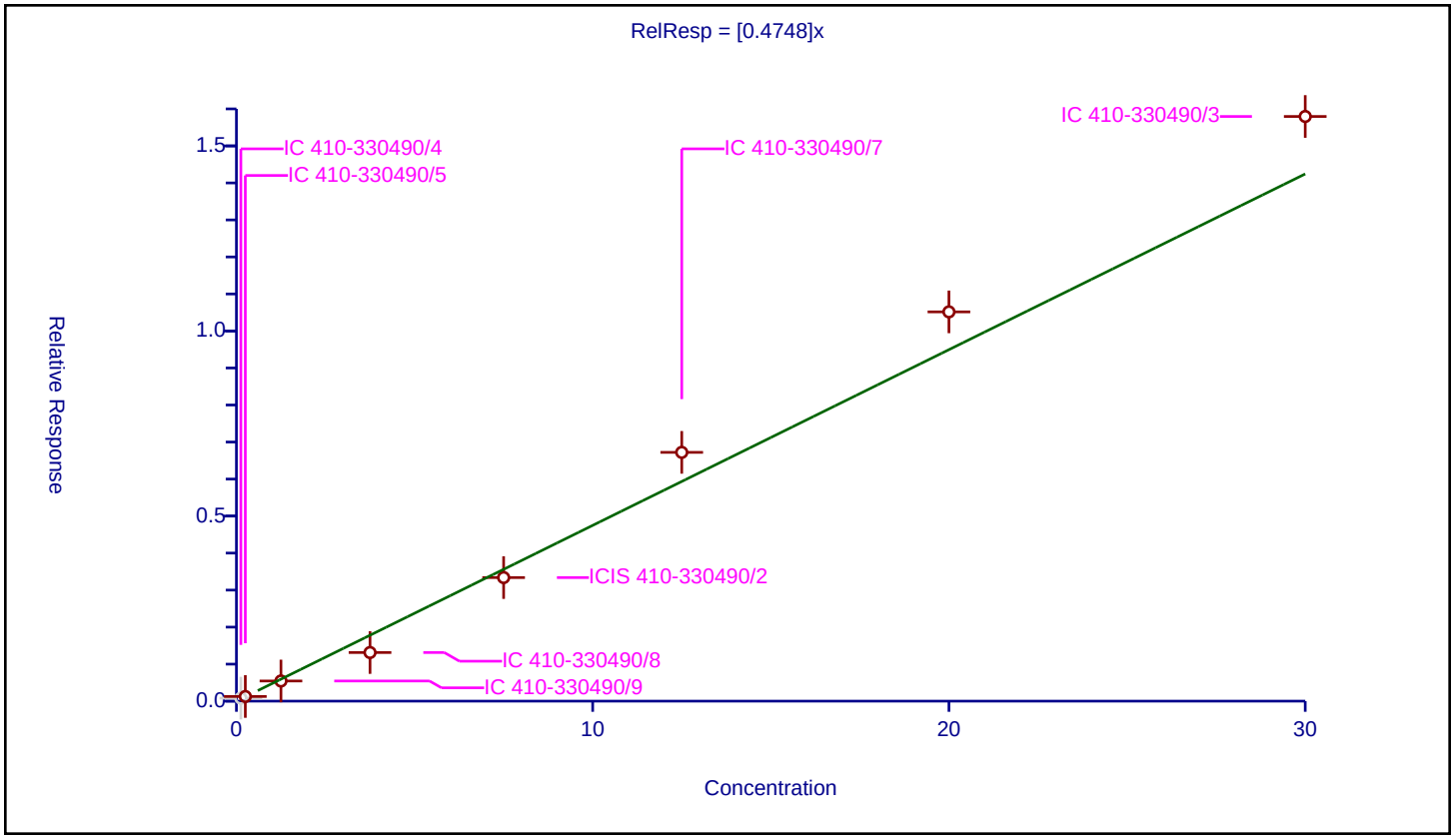
Curve Coefficients

Intercept:	0
Slope:	0.4748

Error Coefficients

Standard Error:	1680000
Relative Standard Error:	14.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.08128	5.0	903846.0	0.650244	N
2	IC 410-330490/5	0.25	0.125605	5.0	820272.0	0.502419	Y
3	IC 410-330490/9	1.25	0.5446	5.0	994813.0	0.43568	Y
4	IC 410-330490/8	3.75	1.313205	5.0	1157603.0	0.350188	Y
5	ICIS 410-330490/2	7.5	3.338332	5.0	822941.0	0.445111	Y
6	IC 410-330490/7	12.5	6.720694	5.0	1028562.0	0.537655	Y
7	IC 410-330490/6	20.0	10.516649	5.0	1025406.0	0.525832	Y
8	IC 410-330490/3	30.0	15.794934	5.0	994837.0	0.526498	Y



Calibration / p-Phenylene diamine

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

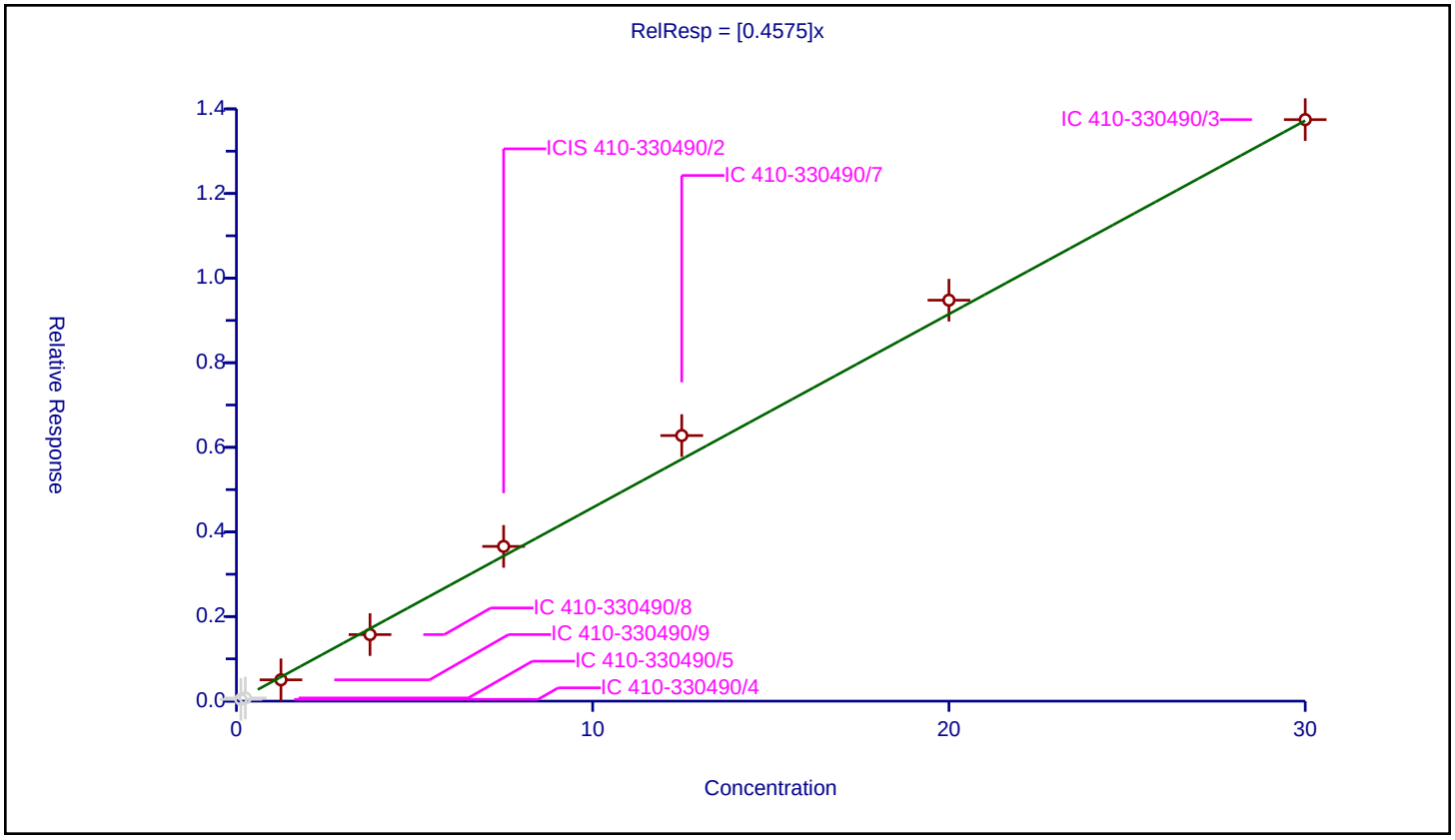
Curve Coefficients

Intercept:	0
Slope:	0.4575

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	8.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.041971	5.0	903846.0	0.335765	N
2	IC 410-330490/5	0.25	0.075128	5.0	820272.0	0.30051	N
3	IC 410-330490/9	1.25	0.50405	5.0	994813.0	0.40324	Y
4	IC 410-330490/8	3.75	1.572979	5.0	1157603.0	0.419461	Y
5	ICIS 410-330490/2	7.5	3.657474	5.0	822941.0	0.487663	Y
6	IC 410-330490/7	12.5	6.278178	5.0	1028562.0	0.502254	Y
7	IC 410-330490/6	20.0	9.478368	5.0	1025406.0	0.473918	Y
8	IC 410-330490/3	30.0	13.746046	5.0	994837.0	0.458202	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

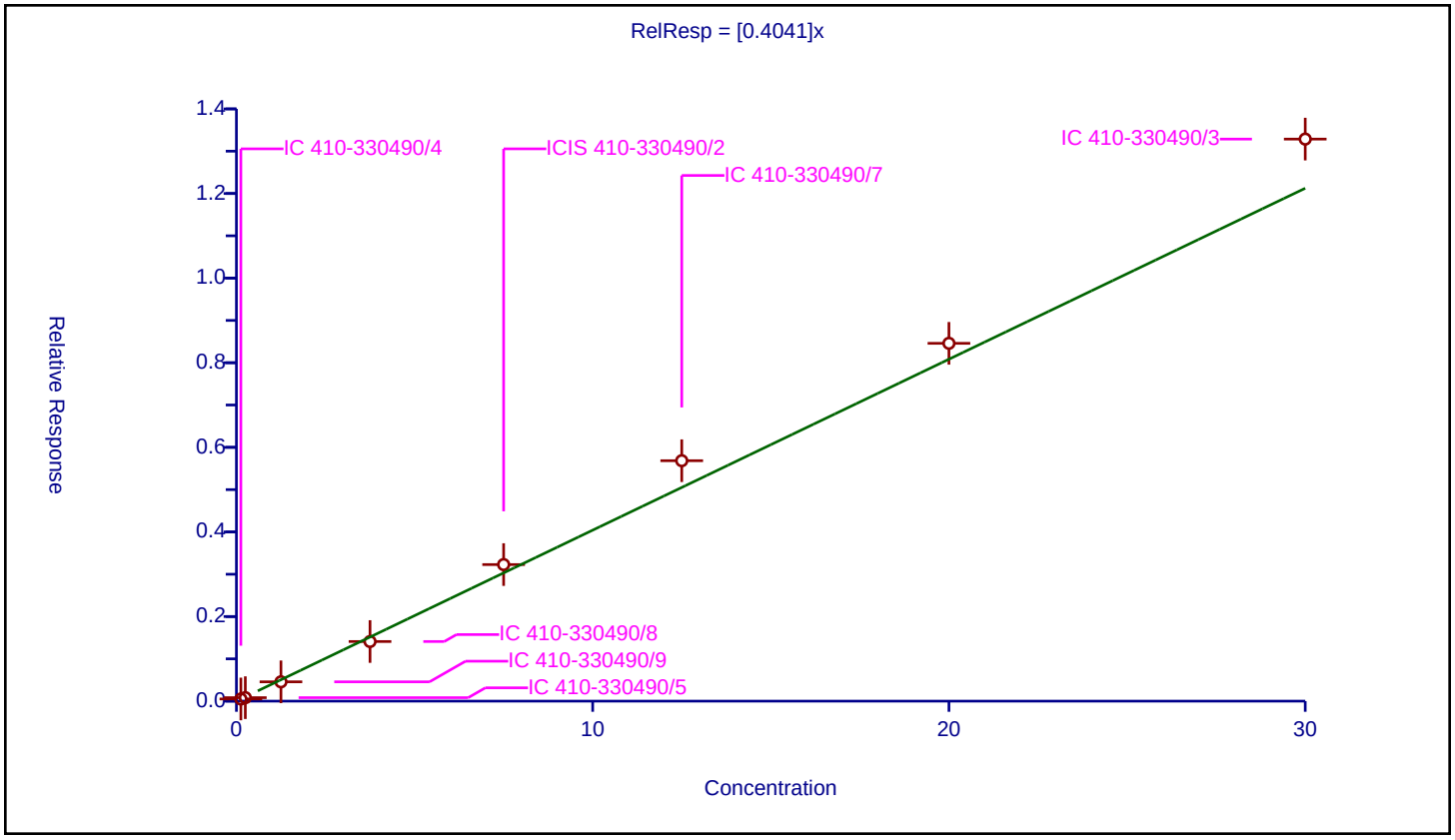
Curve Coefficients

Intercept:	0
Slope:	0.4041

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	10.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.051441	5.0	903846.0	0.41153	Y
2	IC 410-330490/5	0.25	0.082375	5.0	820272.0	0.3295	Y
3	IC 410-330490/9	1.25	0.456568	5.0	994813.0	0.365255	Y
4	IC 410-330490/8	3.75	1.409114	5.0	1157603.0	0.375764	Y
5	ICIS 410-330490/2	7.5	3.228391	5.0	822941.0	0.430452	Y
6	IC 410-330490/7	12.5	5.68359	5.0	1028562.0	0.454687	Y
7	IC 410-330490/6	20.0	8.458479	5.0	1025406.0	0.422924	Y
8	IC 410-330490/3	30.0	13.286332	5.0	994837.0	0.442878	Y



Calibration / Safrole, Total

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

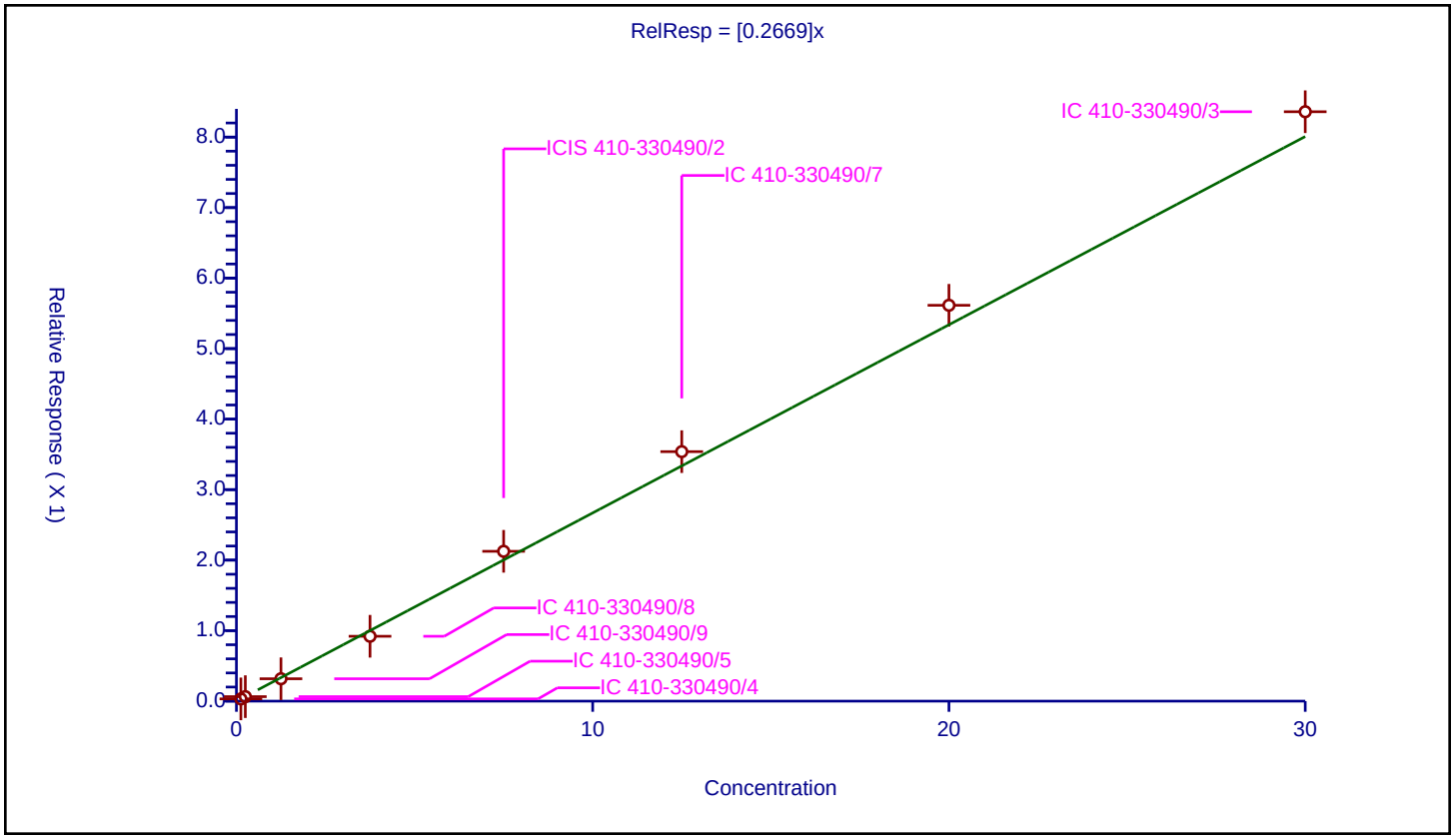
Curve Coefficients

Intercept:	0
Slope:	0.2669

Error Coefficients

Standard Error:	828000
Relative Standard Error:	6.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.031952	5.0	903846.0	0.255619	Y
2	IC 410-330490/5	0.25	0.063686	5.0	820272.0	0.254745	Y
3	IC 410-330490/9	1.25	0.317396	5.0	994813.0	0.253917	Y
4	IC 410-330490/8	3.75	0.920026	5.0	1157603.0	0.24534	Y
5	ICIS 410-330490/2	7.5	2.124921	5.0	822941.0	0.283323	Y
6	IC 410-330490/7	12.5	3.538474	5.0	1028562.0	0.283078	Y
7	IC 410-330490/6	20.0	5.614537	5.0	1025406.0	0.280727	Y
8	IC 410-330490/3	30.0	8.359681	5.0	994837.0	0.278656	Y



Calibration / 2-Methylnaphthalene

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

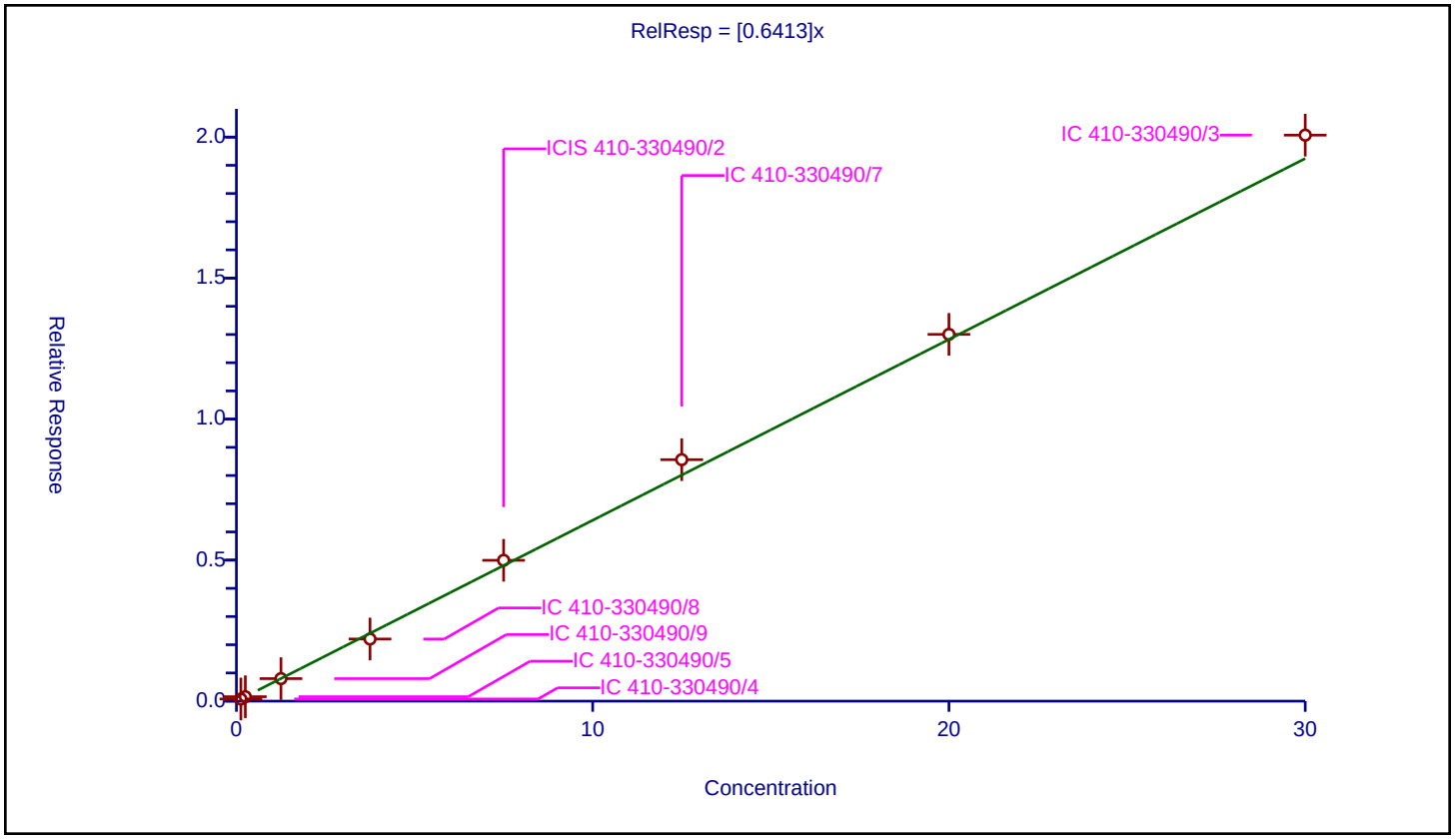
Curve Coefficients

Intercept:	0
Slope:	0.6413

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	5.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.07576	5.0	903846.0	0.606077	Y
2	IC 410-330490/5	0.25	0.156978	5.0	820272.0	0.627914	Y
3	IC 410-330490/9	1.25	0.798914	5.0	994813.0	0.639131	Y
4	IC 410-330490/8	3.75	2.202642	5.0	1157603.0	0.587371	Y
5	ICIS 410-330490/2	7.5	4.9939	5.0	822941.0	0.665853	Y
6	IC 410-330490/7	12.5	8.562576	5.0	1028562.0	0.685006	Y
7	IC 410-330490/6	20.0	13.00518	5.0	1025406.0	0.650259	Y
8	IC 410-330490/3	30.0	20.069137	5.0	994837.0	0.668971	Y



Calibration / 1-Methylnaphthalene

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

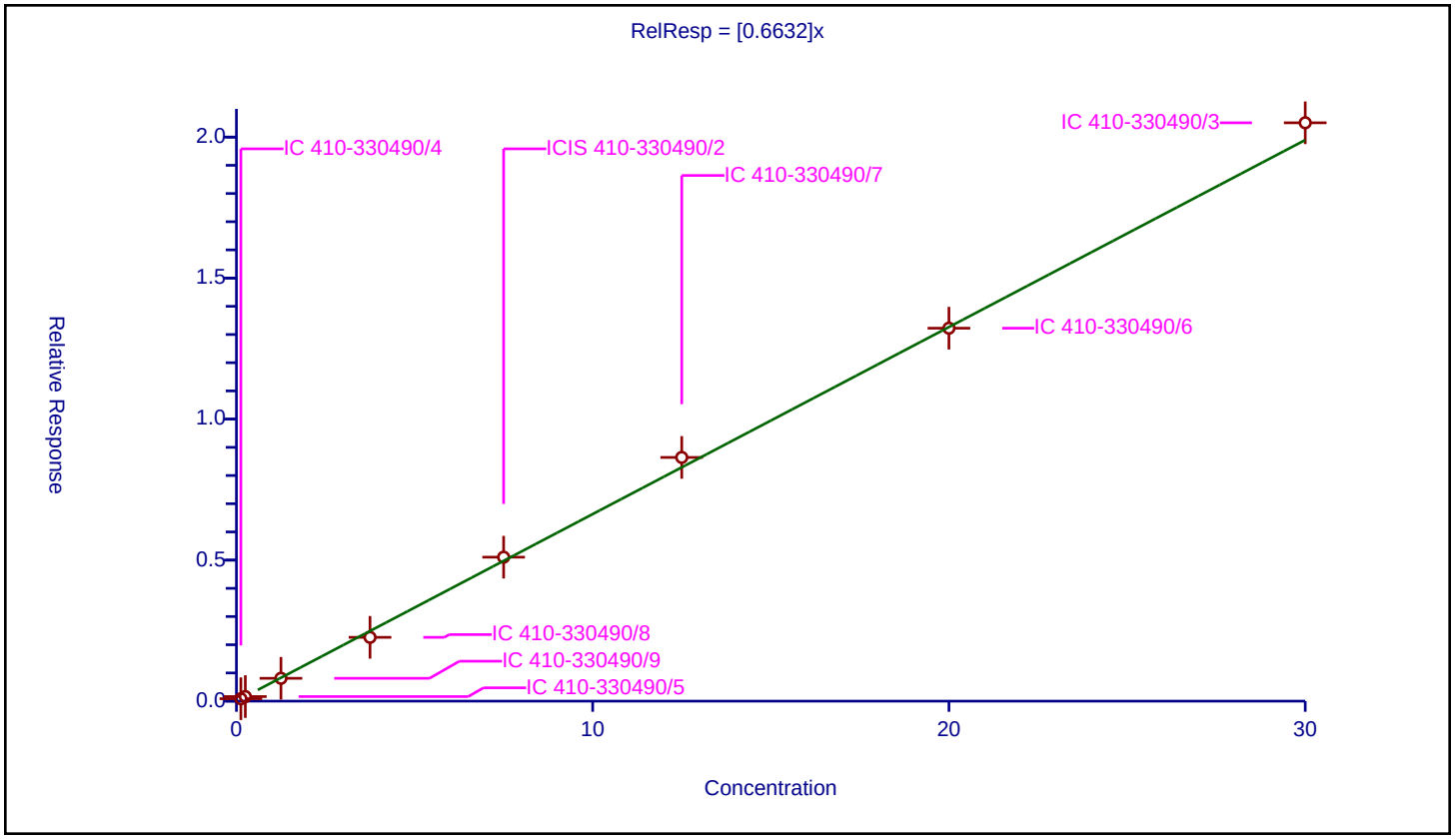
Curve Coefficients

Intercept:	0
Slope:	0.6632

Error Coefficients

Standard Error:	2010000
Relative Standard Error:	4.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.086409	5.0	903846.0	0.691268	Y
2	IC 410-330490/5	0.25	0.161617	5.0	820272.0	0.646468	Y
3	IC 410-330490/9	1.25	0.810137	5.0	994813.0	0.64811	Y
4	IC 410-330490/8	3.75	2.261825	5.0	1157603.0	0.603153	Y
5	ICIS 410-330490/2	7.5	5.104455	5.0	822941.0	0.680594	Y
6	IC 410-330490/7	12.5	8.642056	5.0	1028562.0	0.691364	Y
7	IC 410-330490/6	20.0	13.22383	5.0	1025406.0	0.661192	Y
8	IC 410-330490/3	30.0	20.507148	5.0	994837.0	0.683572	Y



Calibration / Hexachlorocyclopentadiene

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

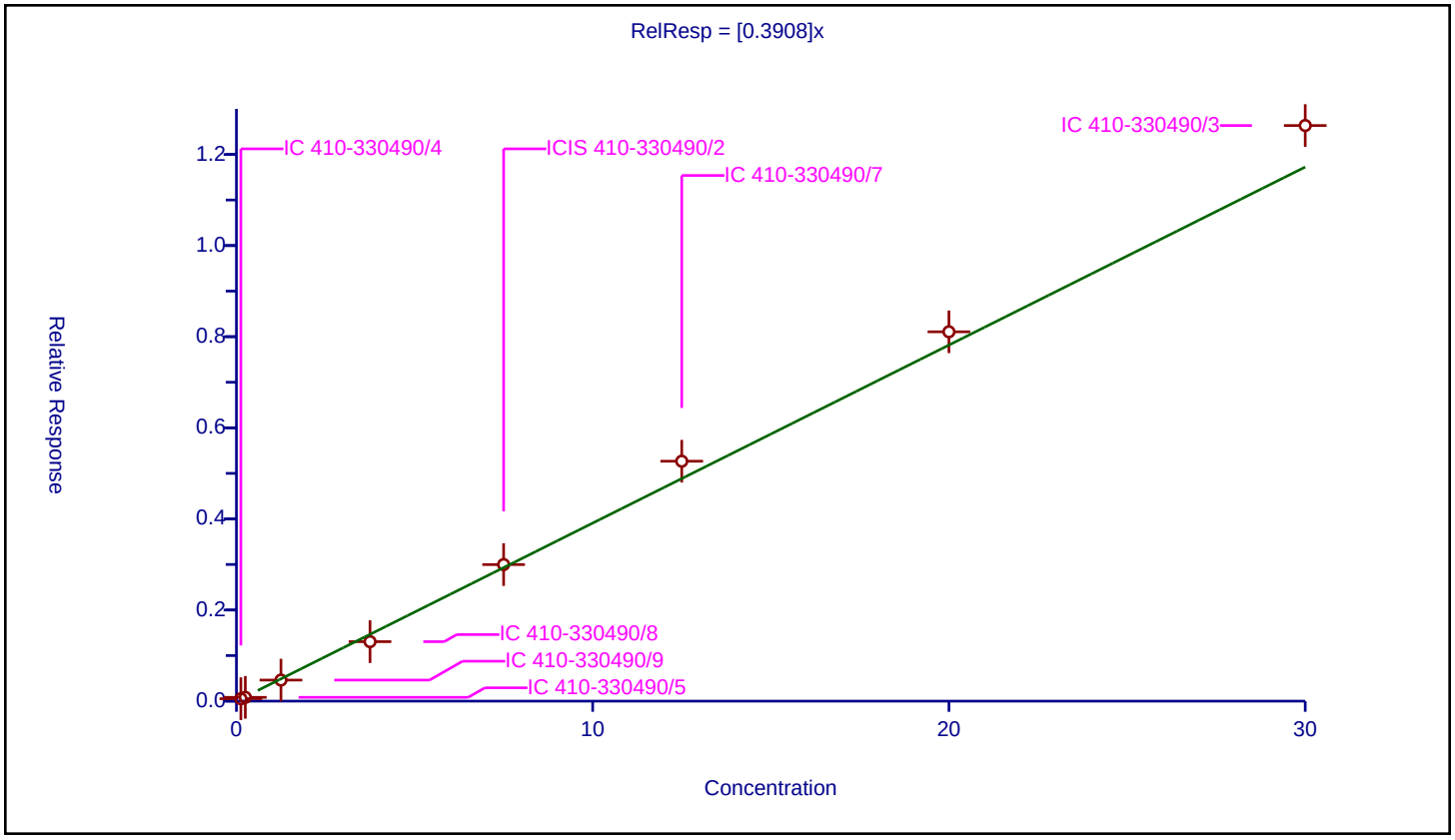
Curve Coefficients

Intercept:	0
Slope:	0.3908

Error Coefficients

Standard Error:	703000
Relative Standard Error:	9.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.053456	5.0	512295.0	0.427644	Y
2	IC 410-330490/5	0.25	0.083351	5.0	491478.0	0.333403	Y
3	IC 410-330490/9	1.25	0.461889	5.0	589352.0	0.369511	Y
4	IC 410-330490/8	3.75	1.305839	5.0	677419.0	0.348224	Y
5	ICIS 410-330490/2	7.5	2.997652	5.0	471811.0	0.399687	Y
6	IC 410-330490/7	12.5	5.266571	5.0	595658.0	0.421326	Y
7	IC 410-330490/6	20.0	8.107211	5.0	592150.0	0.405361	Y
8	IC 410-330490/3	30.0	12.634767	5.0	564139.0	0.421159	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

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

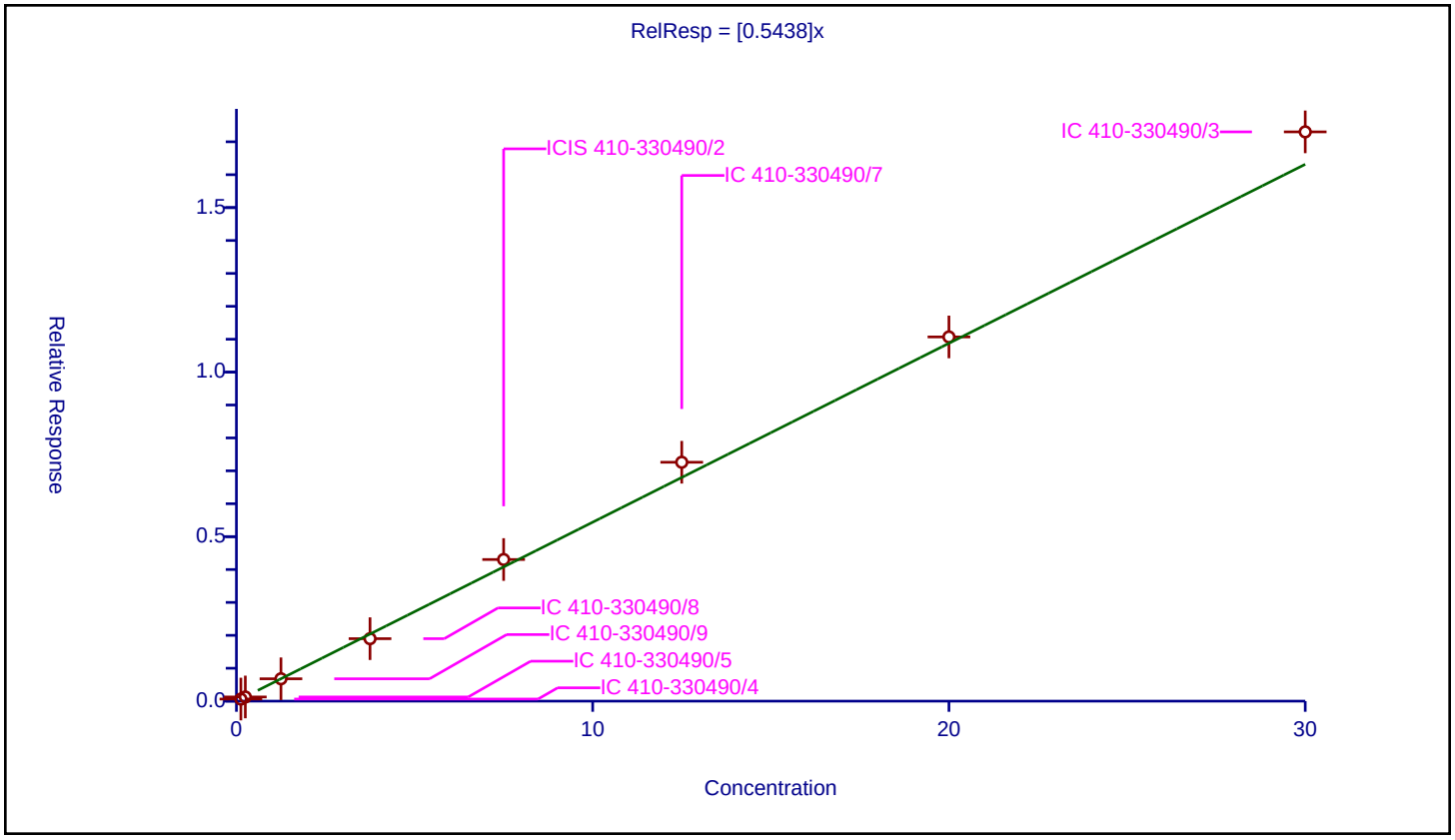
Curve Coefficients

Intercept:	0
Slope:	0.5438

Error Coefficients

Standard Error:	965000
Relative Standard Error:	6.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.06384	5.0	512295.0	0.510721	Y
2	IC 410-330490/5	0.25	0.126293	5.0	491478.0	0.50517	Y
3	IC 410-330490/9	1.25	0.679534	5.0	589352.0	0.543628	Y
4	IC 410-330490/8	3.75	1.898382	5.0	677419.0	0.506235	Y
5	ICIS 410-330490/2	7.5	4.304605	5.0	471811.0	0.573947	Y
6	IC 410-330490/7	12.5	7.260248	5.0	595658.0	0.58082	Y
7	IC 410-330490/6	20.0	11.069611	5.0	592150.0	0.553481	Y
8	IC 410-330490/3	30.0	17.301622	5.0	564139.0	0.576721	Y



Calibration / Isosafrole Peak 1

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

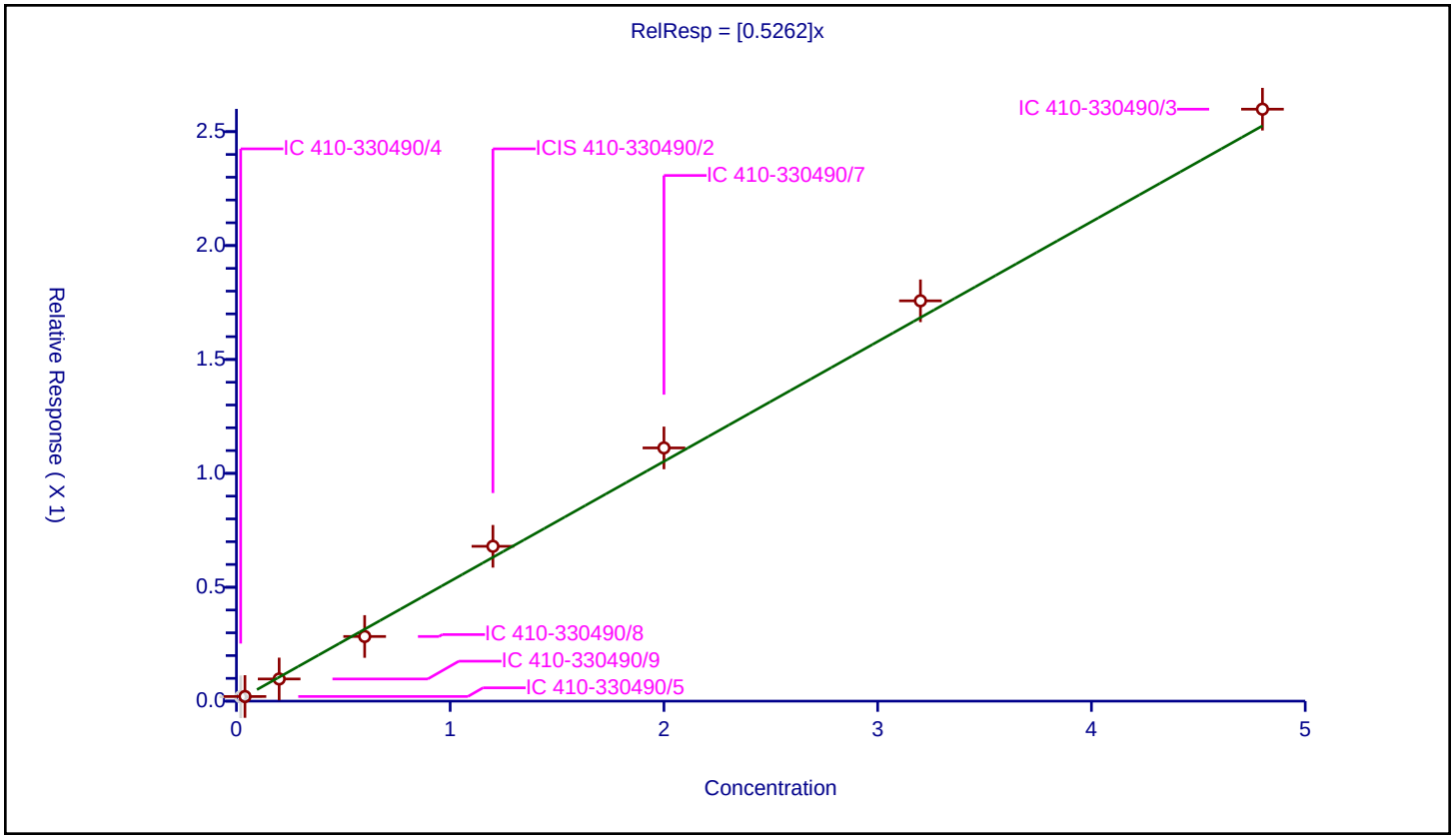
Curve Coefficients

Intercept:	0
Slope:	0.5262

Error Coefficients

Standard Error:	159000
Relative Standard Error:	6.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.02	0.018964	5.0	512295.0	0.948184	N
2	IC 410-330490/5	0.04	0.020428	5.0	491478.0	0.510704	Y
3	IC 410-330490/9	0.2	0.097293	5.0	589352.0	0.486466	Y
4	IC 410-330490/8	0.6	0.283872	5.0	677419.0	0.473119	Y
5	ICIS 410-330490/2	1.2	0.679764	5.0	471811.0	0.56647	Y
6	IC 410-330490/7	2.0	1.111687	5.0	595658.0	0.555843	Y
7	IC 410-330490/6	3.2	1.757494	5.0	592150.0	0.549217	Y
8	IC 410-330490/3	4.8	2.598704	5.0	564139.0	0.541397	Y



Calibration / 2,4,6-Trichlorophenol

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

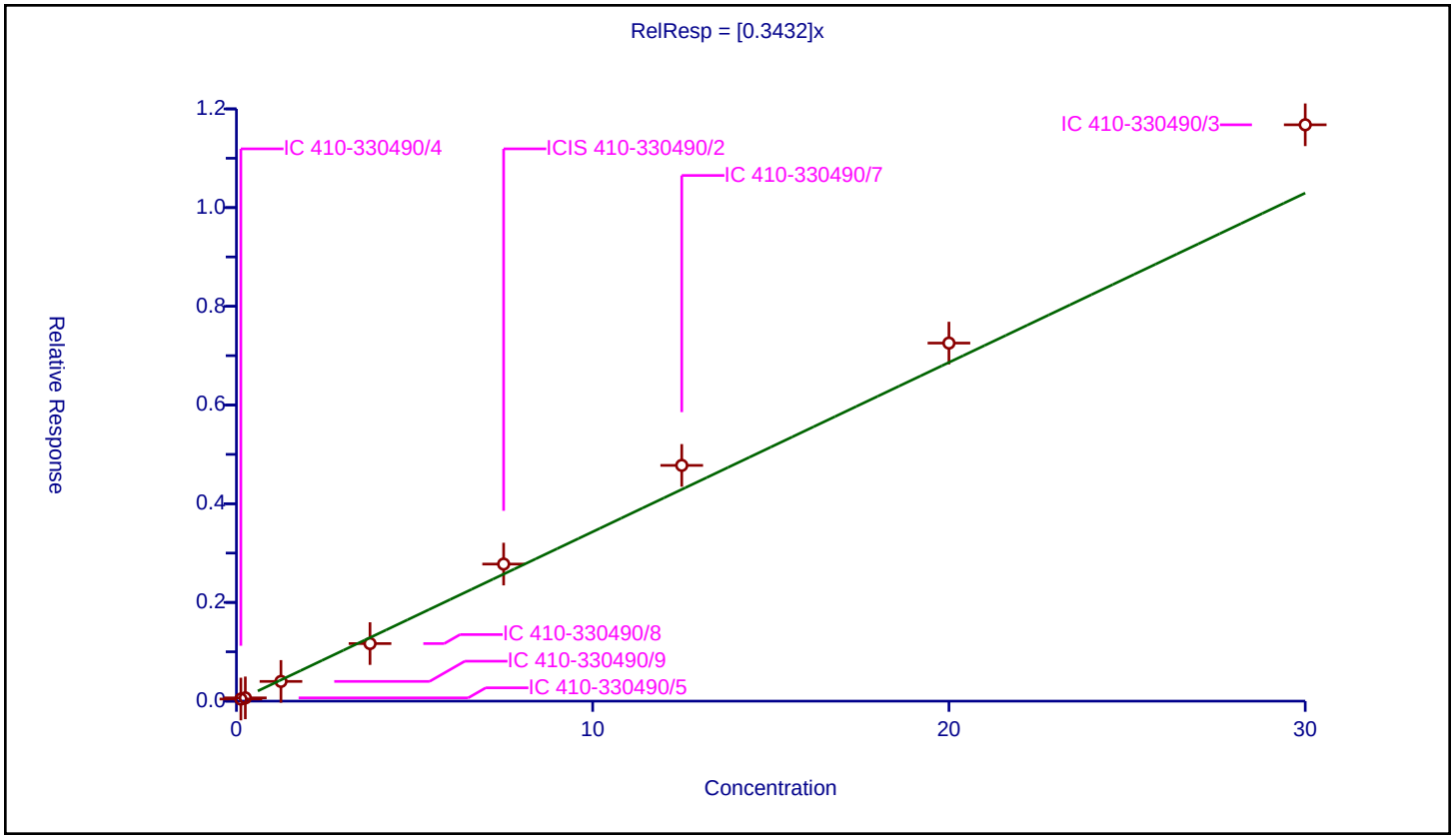
Curve Coefficients

Intercept:	0
Slope:	0.3432

Error Coefficients

Standard Error:	643000
Relative Standard Error:	12.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.043071	5.0	512295.0	0.344567	Y
2	IC 410-330490/5	0.25	0.06631	5.0	491478.0	0.265241	Y
3	IC 410-330490/9	1.25	0.399871	5.0	589352.0	0.319897	Y
4	IC 410-330490/8	3.75	1.166568	5.0	677419.0	0.311085	Y
5	ICIS 410-330490/2	7.5	2.777309	5.0	471811.0	0.370308	Y
6	IC 410-330490/7	12.5	4.776827	5.0	595658.0	0.382146	Y
7	IC 410-330490/6	20.0	7.254581	5.0	592150.0	0.362729	Y
8	IC 410-330490/3	30.0	11.677707	5.0	564139.0	0.389257	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

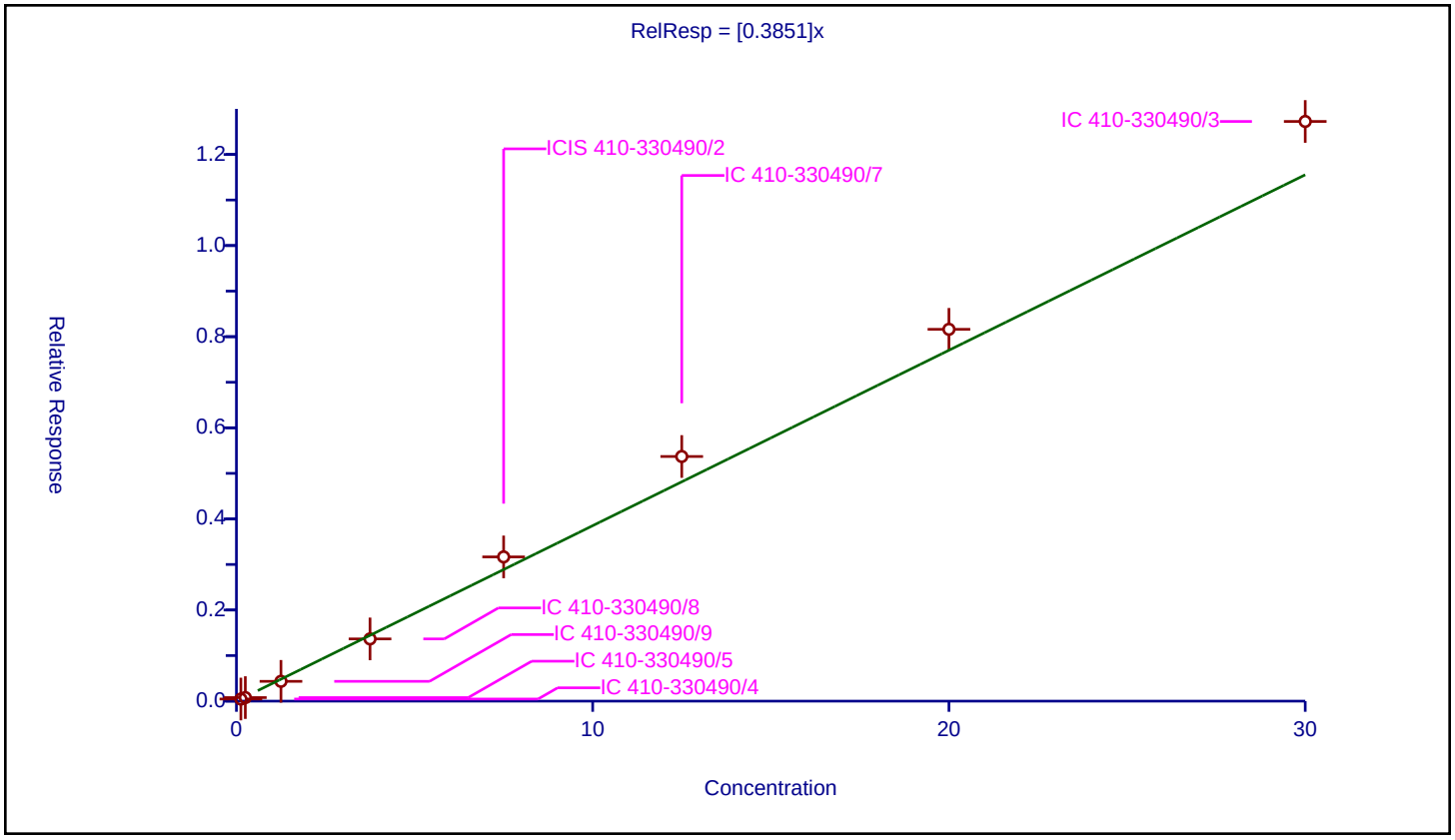
Curve Coefficients

Intercept:	0
Slope:	0.3851

Error Coefficients

Standard Error:	710000
Relative Standard Error:	11.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.046604	5.0	512295.0	0.372832	Y
2	IC 410-330490/5	0.25	0.07804	5.0	491478.0	0.31216	Y
3	IC 410-330490/9	1.25	0.43463	5.0	589352.0	0.347704	Y
4	IC 410-330490/8	3.75	1.366149	5.0	677419.0	0.364306	Y
5	ICIS 410-330490/2	7.5	3.16577	5.0	471811.0	0.422103	Y
6	IC 410-330490/7	12.5	5.370011	5.0	595658.0	0.429601	Y
7	IC 410-330490/6	20.0	8.161513	5.0	592150.0	0.408076	Y
8	IC 410-330490/3	30.0	12.723806	5.0	564139.0	0.424127	Y



Calibration / 2-Fluorobiphenyl (Surr)

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

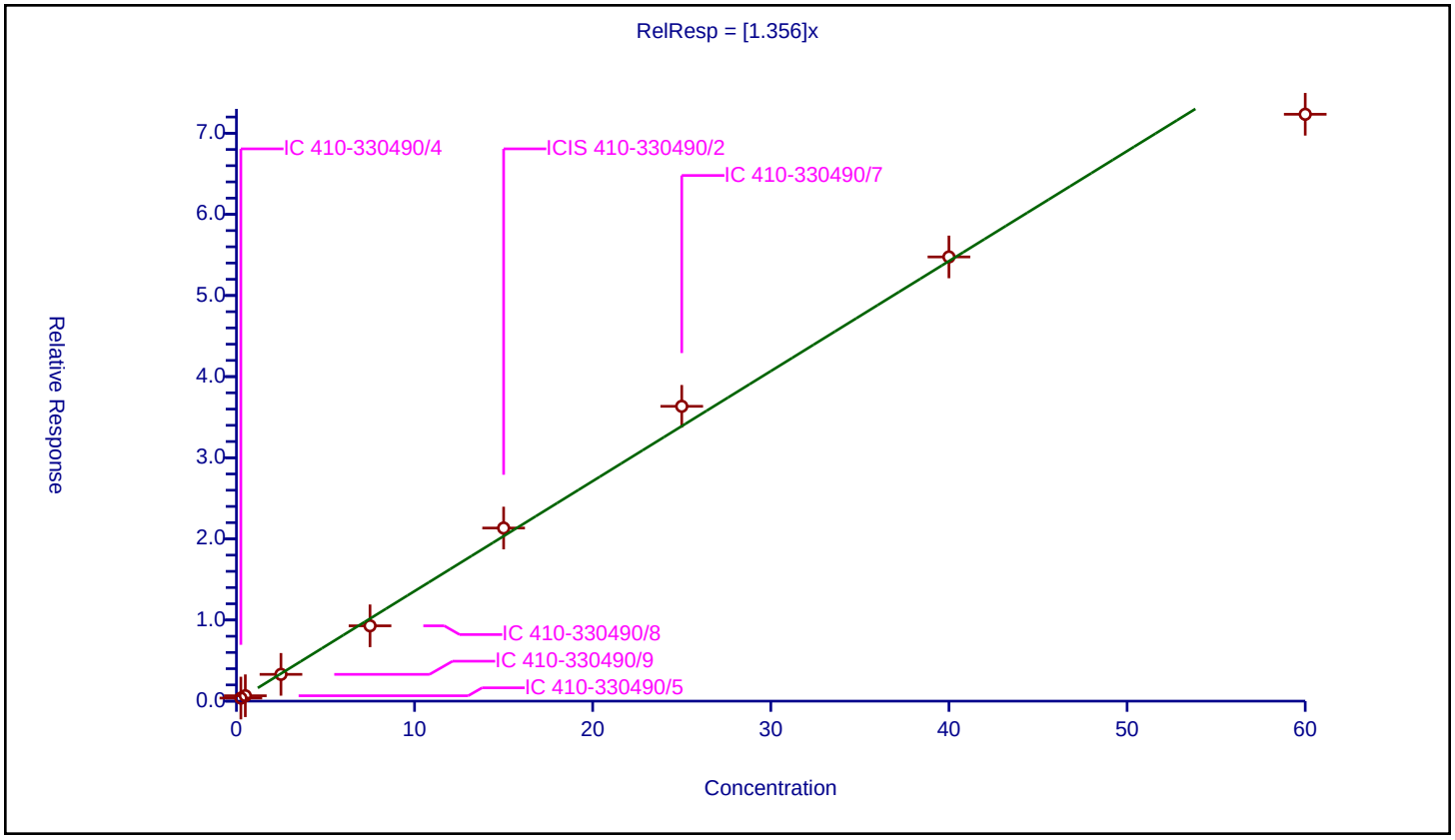
Curve Coefficients

Intercept:	0
Slope:	1.356

Error Coefficients

Standard Error:	4360000
Relative Standard Error:	7.7
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.25	0.37778	5.0	512295.0	1.511122	Y
2	IC 410-330490/5	0.5	0.663631	5.0	491478.0	1.327262	Y
3	IC 410-330490/9	2.5	3.301703	5.0	589352.0	1.320681	Y
4	IC 410-330490/8	7.5	9.285582	5.0	677419.0	1.238078	Y
5	ICIS 410-330490/2	15.0	21.337167	5.0	471811.0	1.422478	Y
6	IC 410-330490/7	25.0	36.339493	5.0	595658.0	1.45358	Y
7	IC 410-330490/6	40.0	54.753314	5.0	592150.0	1.368833	Y
8	IC 410-330490/3	60.0	72.338059	5.0	564139.0	1.205634	Y



Calibration / Isosafrole Peak 2

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

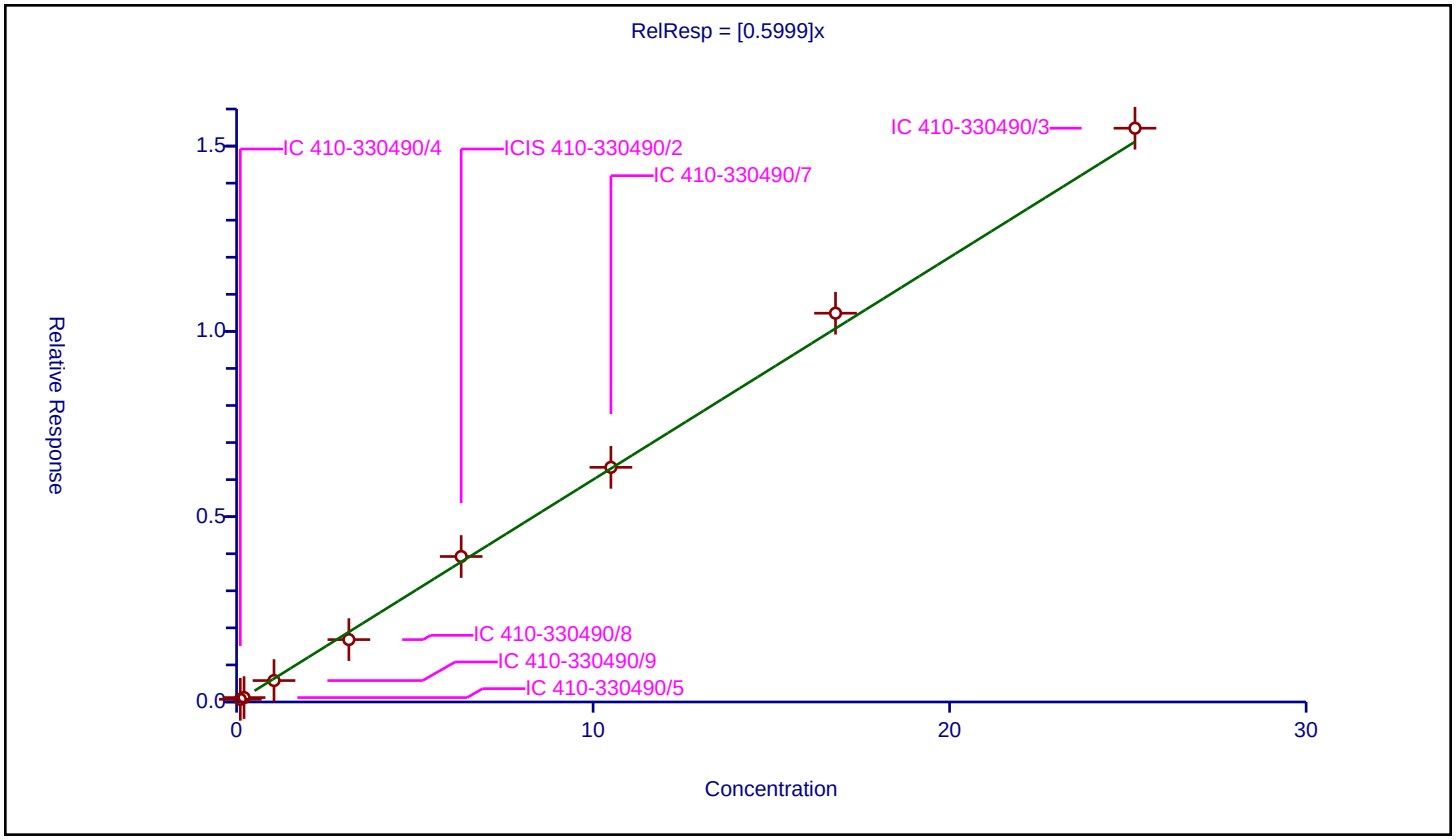
Curve Coefficients

Intercept:	0
Slope:	0.5999

Error Coefficients

Standard Error:	875000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.105	0.071472	5.0	512295.0	0.68069	Y
2	IC 410-330490/5	0.21	0.119385	5.0	491478.0	0.568499	Y
3	IC 410-330490/9	1.05	0.578101	5.0	589352.0	0.550572	Y
4	IC 410-330490/8	3.15	1.68333	5.0	677419.0	0.534391	Y
5	ICIS 410-330490/2	6.3	3.925587	5.0	471811.0	0.623109	Y
6	IC 410-330490/7	10.5	6.331402	5.0	595658.0	0.602991	Y
7	IC 410-330490/6	16.8	10.490729	5.0	592150.0	0.624448	Y
8	IC 410-330490/3	25.2	15.482035	5.0	564139.0	0.614366	Y



Calibration / 1,1'-Biphenyl

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

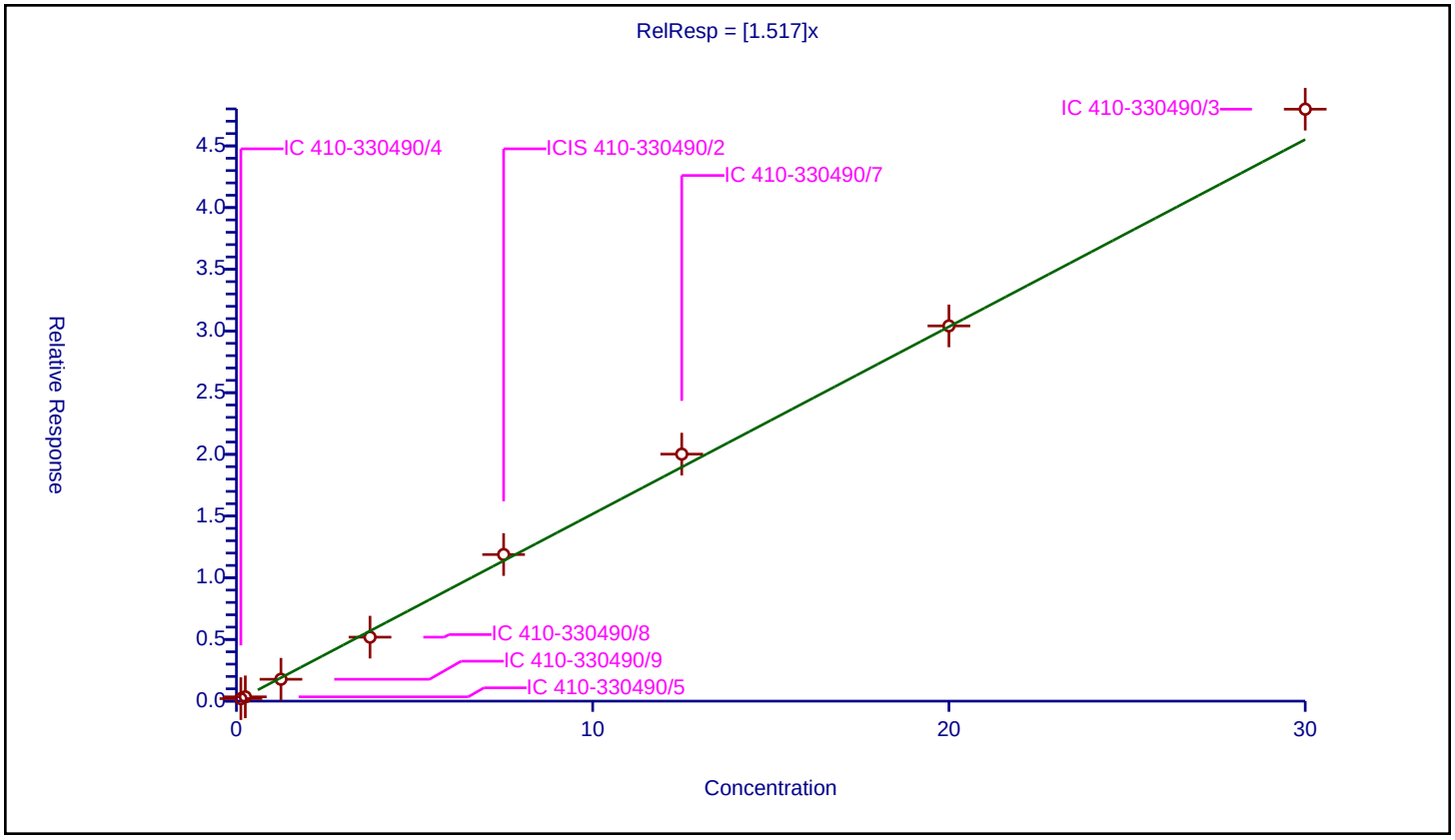
Curve Coefficients

Intercept:	0
Slope:	1.517

Error Coefficients

Standard Error:	2670000
Relative Standard Error:	6.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.204033	5.0	512295.0	1.632263	Y
2	IC 410-330490/5	0.25	0.349558	5.0	491478.0	1.398231	Y
3	IC 410-330490/9	1.25	1.77388	5.0	589352.0	1.419104	Y
4	IC 410-330490/8	3.75	5.186642	5.0	677419.0	1.383105	Y
5	ICIS 410-330490/2	7.5	11.881135	5.0	471811.0	1.584151	Y
6	IC 410-330490/7	12.5	20.020968	5.0	595658.0	1.601677	Y
7	IC 410-330490/6	20.0	30.412117	5.0	592150.0	1.520606	Y
8	IC 410-330490/3	30.0	47.975721	5.0	564139.0	1.599191	Y



Calibration / 2-Chloronaphthalene

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

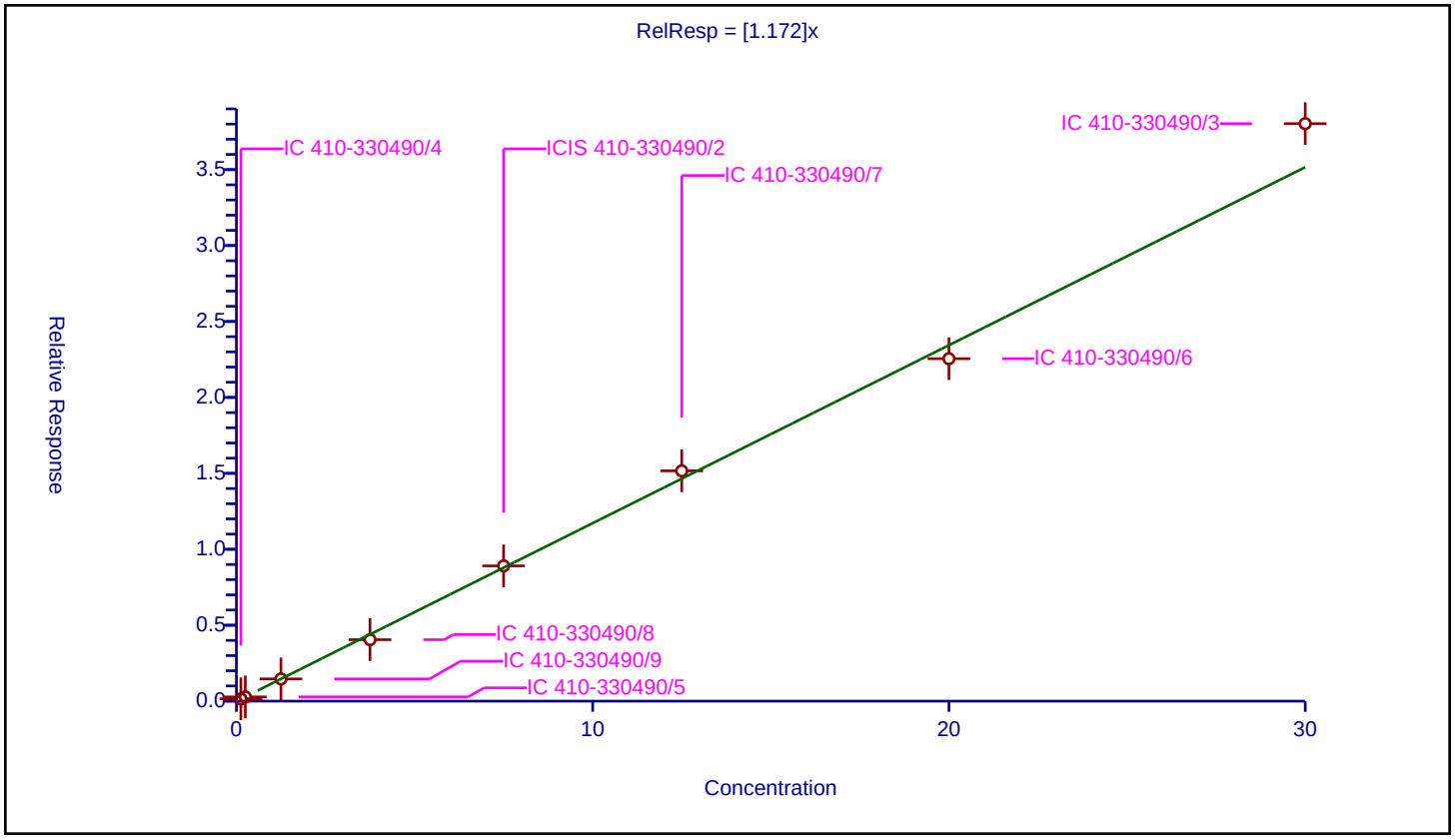
Curve Coefficients

Intercept:	0
Slope:	1.172

Error Coefficients

Standard Error:	2060000
Relative Standard Error:	5.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.152412	5.0	512295.0	1.219297	Y
2	IC 410-330490/5	0.25	0.27751	5.0	491478.0	1.11004	Y
3	IC 410-330490/9	1.25	1.463921	5.0	589352.0	1.171137	Y
4	IC 410-330490/8	3.75	4.04748	5.0	677419.0	1.079328	Y
5	ICIS 410-330490/2	7.5	8.907243	5.0	471811.0	1.187632	Y
6	IC 410-330490/7	12.5	15.16533	5.0	595658.0	1.213226	Y
7	IC 410-330490/6	20.0	22.550477	5.0	592150.0	1.127524	Y
8	IC 410-330490/3	30.0	38.028243	5.0	564139.0	1.267608	Y



Calibration / 1-Chloronaphthalene

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

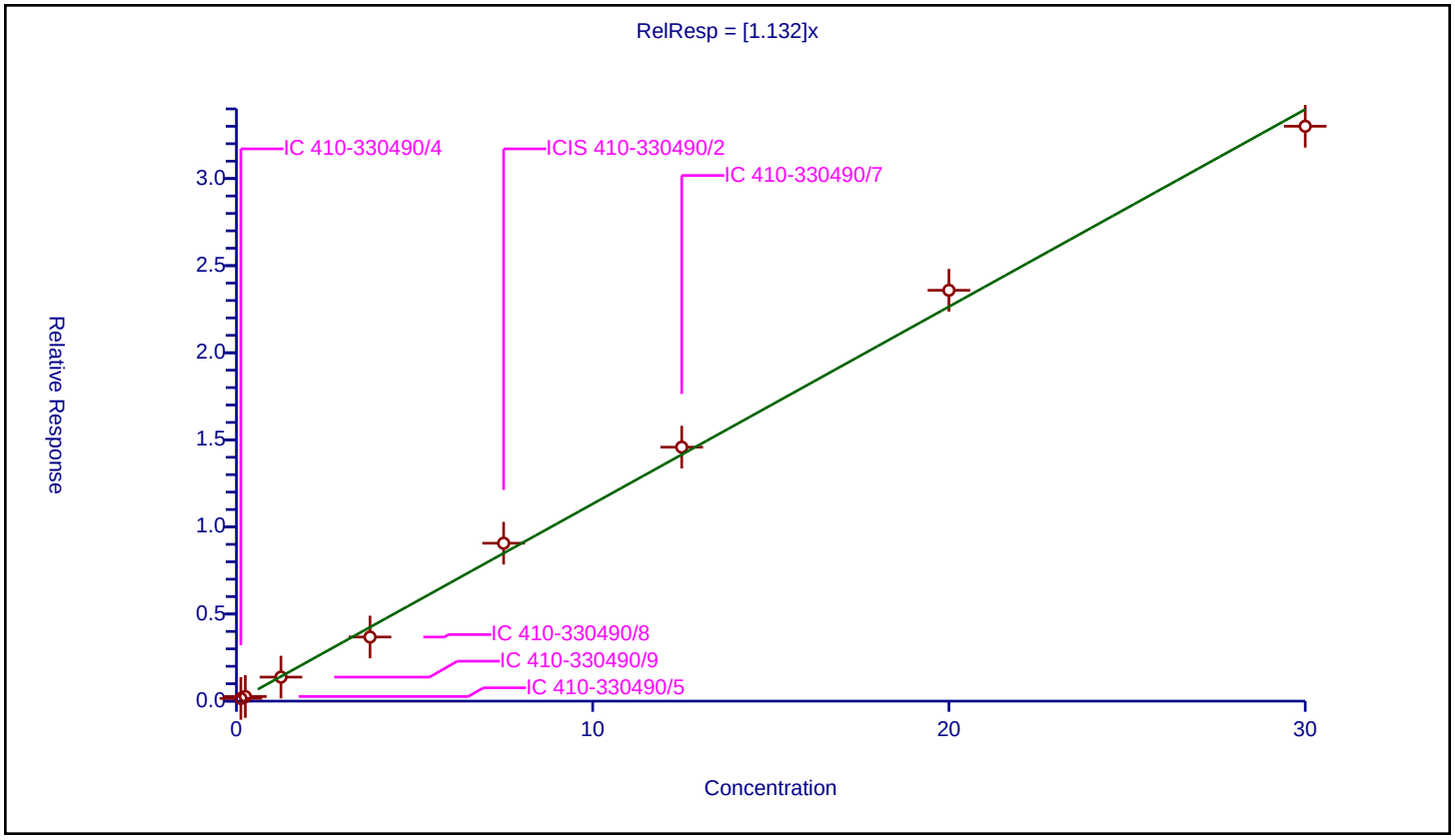
Curve Coefficients

Intercept:	0
Slope:	1.132

Error Coefficients

Standard Error:	1920000
Relative Standard Error:	7.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.157029	5.0	512295.0	1.256229	Y
2	IC 410-330490/5	0.25	0.265342	5.0	491478.0	1.06137	Y
3	IC 410-330490/9	1.25	1.380584	5.0	589352.0	1.104467	Y
4	IC 410-330490/8	3.75	3.681023	5.0	677419.0	0.981606	Y
5	ICIS 410-330490/2	7.5	9.066819	5.0	471811.0	1.208909	Y
6	IC 410-330490/7	12.5	14.580296	5.0	595658.0	1.166424	Y
7	IC 410-330490/6	20.0	23.587858	5.0	592150.0	1.179393	Y
8	IC 410-330490/3	30.0	33.002824	5.0	564139.0	1.100094	Y



Calibration / Phenyl ether

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

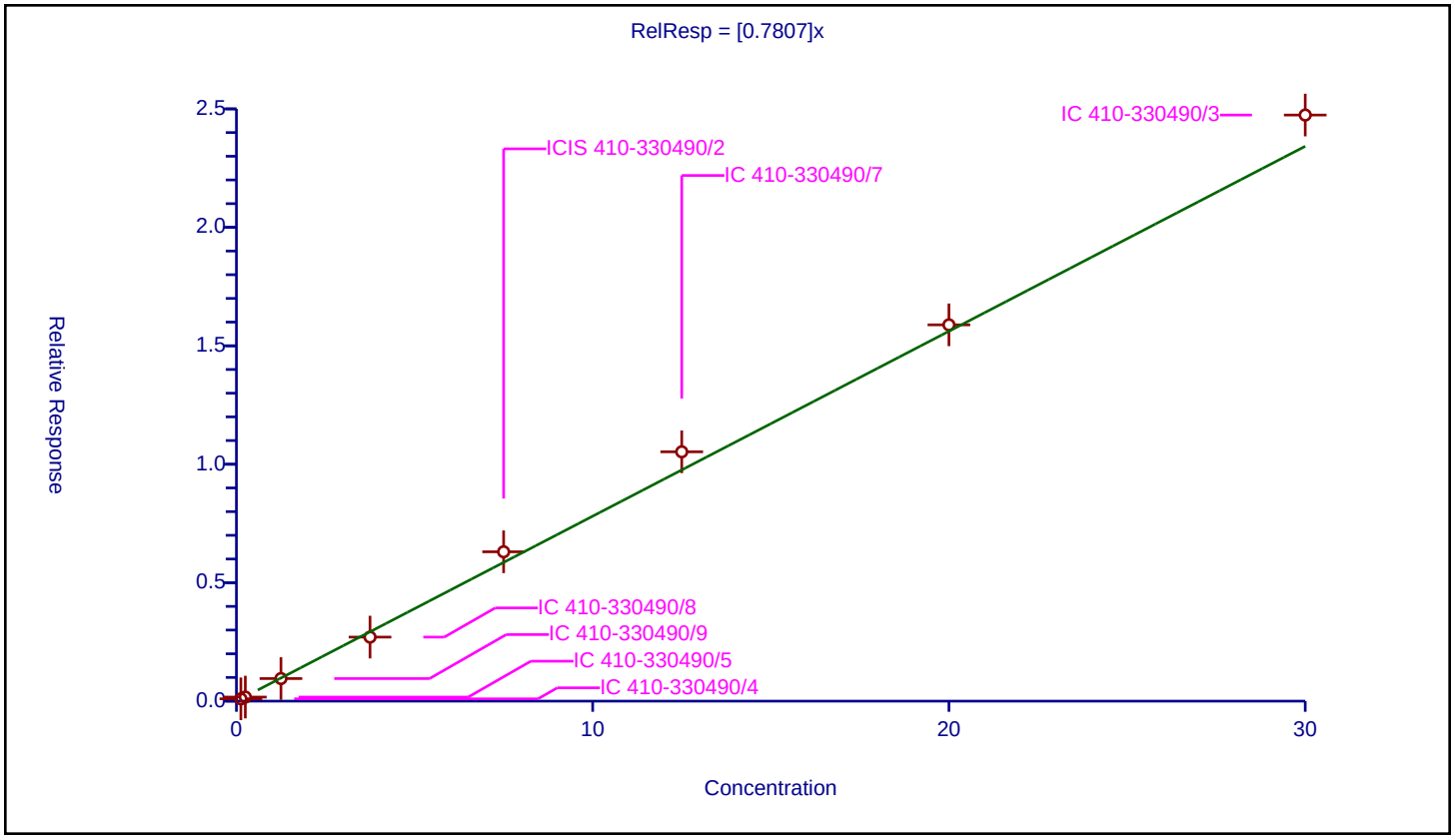
Curve Coefficients

Intercept:	0
Slope:	0.7807

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	7.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.097014	5.0	512295.0	0.776115	Y
2	IC 410-330490/5	0.25	0.171279	5.0	491478.0	0.685117	Y
3	IC 410-330490/9	1.25	0.952953	5.0	589352.0	0.762363	Y
4	IC 410-330490/8	3.75	2.702965	5.0	677419.0	0.720791	Y
5	ICIS 410-330490/2	7.5	6.304209	5.0	471811.0	0.840561	Y
6	IC 410-330490/7	12.5	10.525108	5.0	595658.0	0.842009	Y
7	IC 410-330490/6	20.0	15.884691	5.0	592150.0	0.794235	Y
8	IC 410-330490/3	30.0	24.740684	5.0	564139.0	0.824689	Y



Calibration / 2-Nitroaniline

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

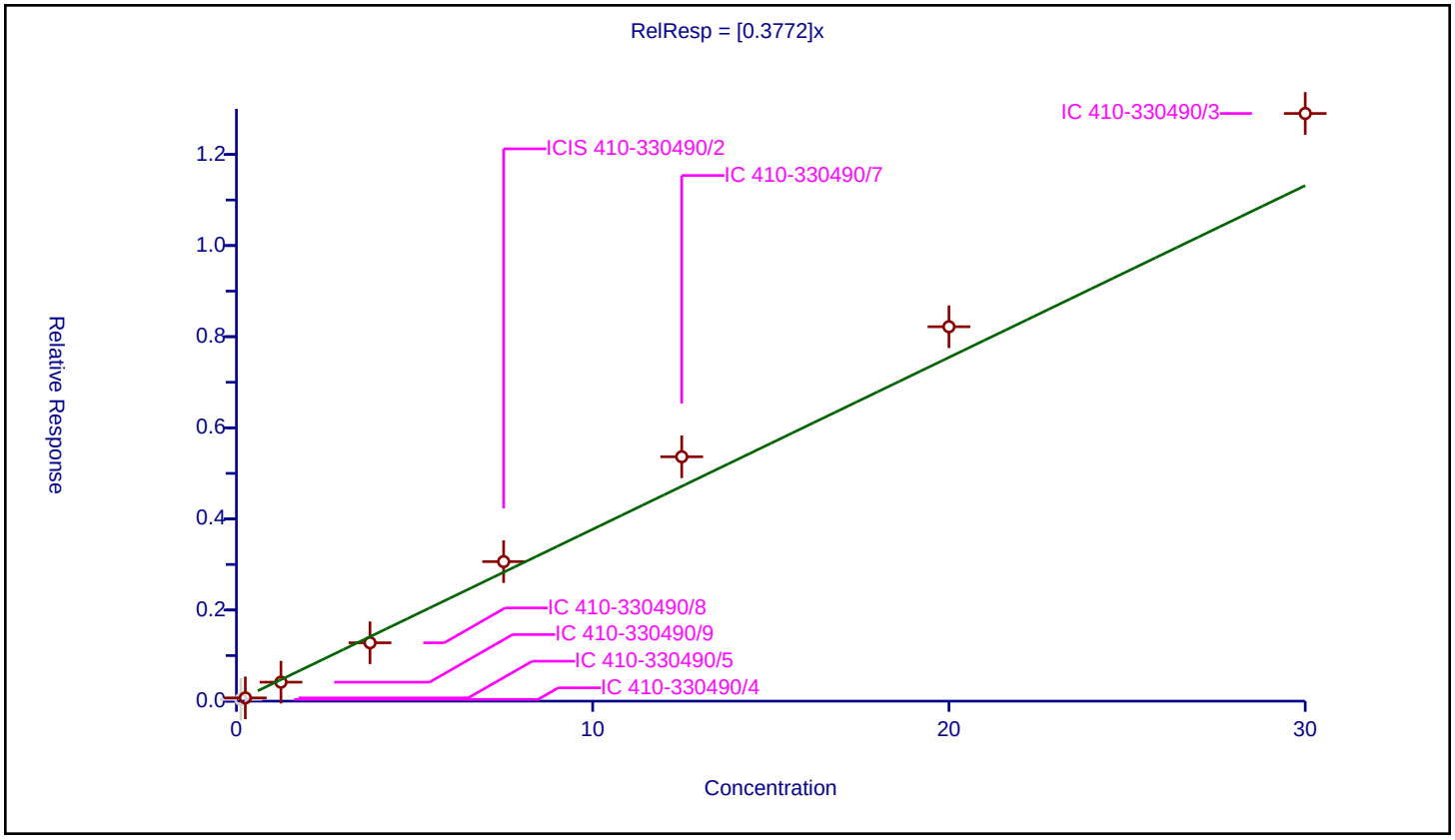
Curve Coefficients

Intercept:	0
Slope:	0.3772

Error Coefficients

Standard Error:	774000
Relative Standard Error:	14.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.038328	5.0	512295.0	0.30662	N
2	IC 410-330490/5	0.25	0.071885	5.0	491478.0	0.287541	Y
3	IC 410-330490/9	1.25	0.416449	5.0	589352.0	0.333159	Y
4	IC 410-330490/8	3.75	1.280928	5.0	677419.0	0.341581	Y
5	ICIS 410-330490/2	7.5	3.062794	5.0	471811.0	0.408373	Y
6	IC 410-330490/7	12.5	5.364026	5.0	595658.0	0.429122	Y
7	IC 410-330490/6	20.0	8.218104	5.0	592150.0	0.410905	Y
8	IC 410-330490/3	30.0	12.899622	5.0	564139.0	0.429987	Y



Calibration / 1,4-Naphthoquinone

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

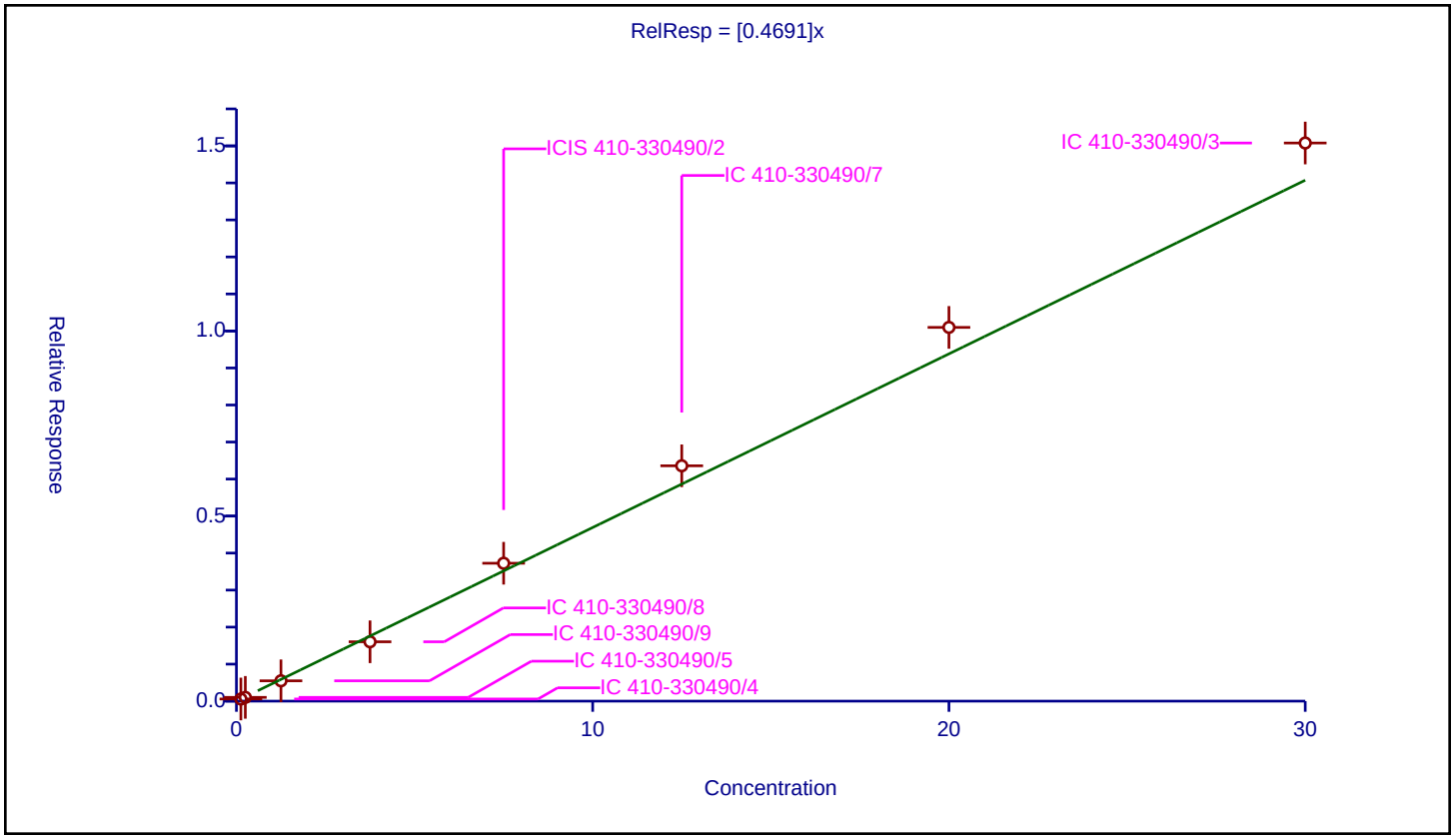
Curve Coefficients

Intercept:	0
Slope:	0.4691

Error Coefficients

Standard Error:	851000
Relative Standard Error:	8.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.058228	5.0	512295.0	0.465825	Y
2	IC 410-330490/5	0.25	0.101795	5.0	491478.0	0.40718	Y
3	IC 410-330490/9	1.25	0.549086	5.0	589352.0	0.439269	Y
4	IC 410-330490/8	3.75	1.60369	5.0	677419.0	0.427651	Y
5	ICIS 410-330490/2	7.5	3.725295	5.0	471811.0	0.496706	Y
6	IC 410-330490/7	12.5	6.35817	5.0	595658.0	0.508654	Y
7	IC 410-330490/6	20.0	10.096884	5.0	592150.0	0.504844	Y
8	IC 410-330490/3	30.0	15.078048	5.0	564139.0	0.502602	Y



Calibration / 1,4-Dinitrobenzene

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

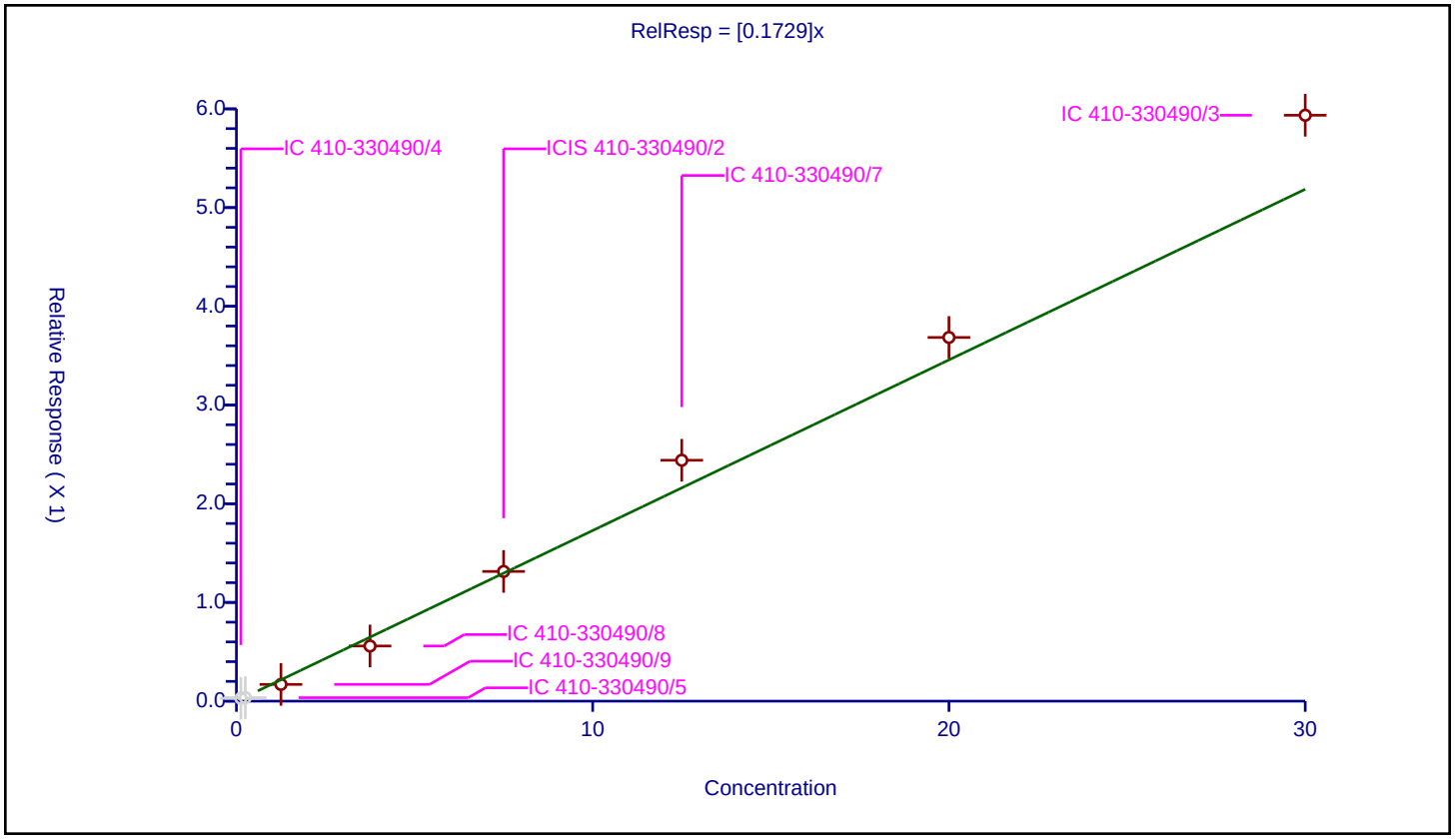
Curve Coefficients

Intercept:	0
Slope:	0.1729

Error Coefficients

Standard Error:	386000
Relative Standard Error:	14.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.029065	5.0	512295.0	0.232522	N
2	IC 410-330490/5	0.25	0.035047	5.0	491478.0	0.140189	N
3	IC 410-330490/9	1.25	0.169534	5.0	589352.0	0.135627	Y
4	IC 410-330490/8	3.75	0.558805	5.0	677419.0	0.149015	Y
5	ICIS 410-330490/2	7.5	1.313863	5.0	471811.0	0.175182	Y
6	IC 410-330490/7	12.5	2.44036	5.0	595658.0	0.195229	Y
7	IC 410-330490/6	20.0	3.684472	5.0	592150.0	0.184224	Y
8	IC 410-330490/3	30.0	5.935488	5.0	564139.0	0.19785	Y



Calibration / Dimethyl phthalate

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

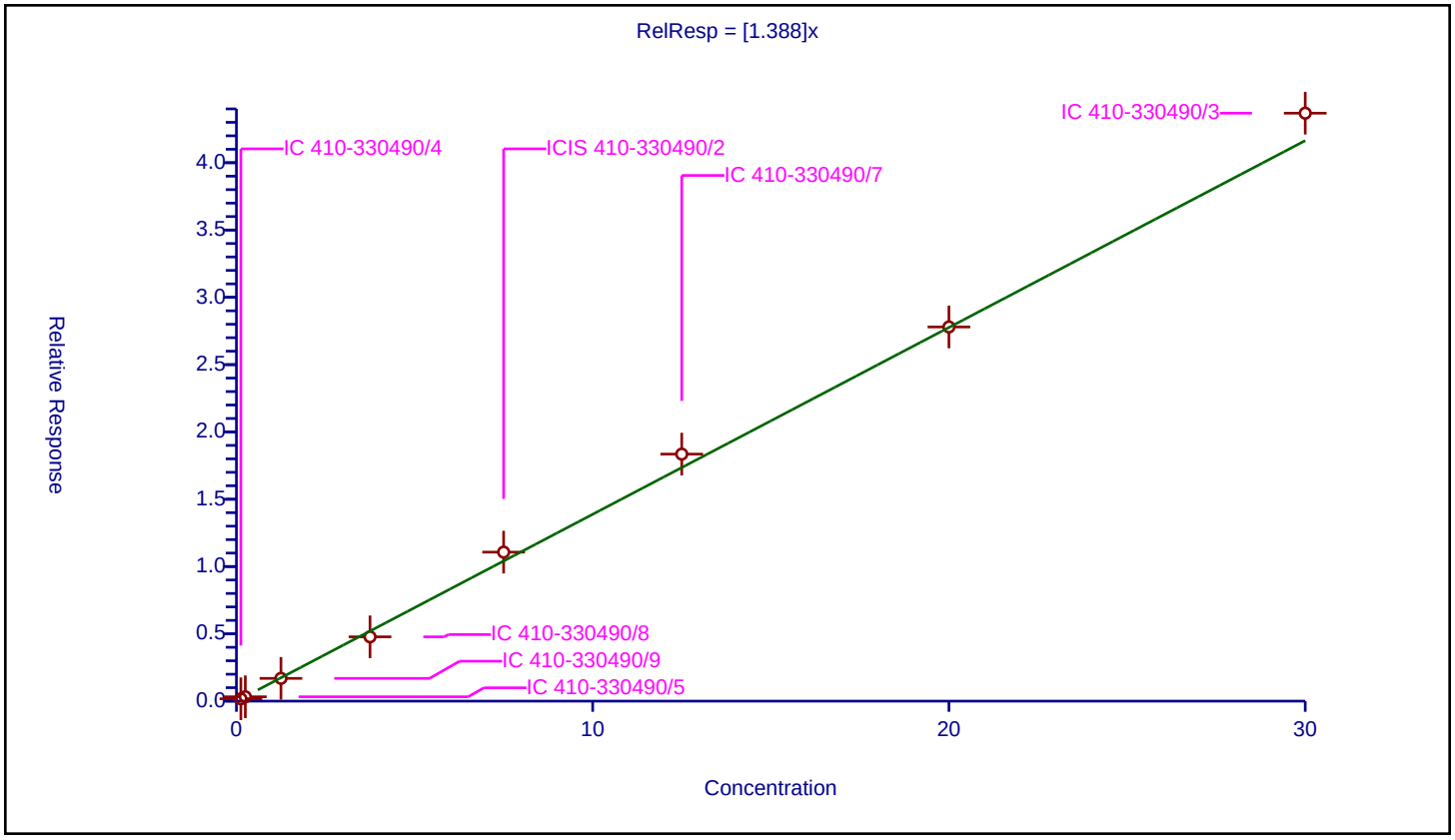
Curve Coefficients

Intercept:	0
Slope:	1.388

Error Coefficients

Standard Error:	2430000
Relative Standard Error:	5.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.174128	5.0	512295.0	1.393026	Y
2	IC 410-330490/5	0.25	0.323646	5.0	491478.0	1.294585	Y
3	IC 410-330490/9	1.25	1.691273	5.0	589352.0	1.353018	Y
4	IC 410-330490/8	3.75	4.777221	5.0	677419.0	1.273925	Y
5	ICIS 410-330490/2	7.5	11.070725	5.0	471811.0	1.476097	Y
6	IC 410-330490/7	12.5	18.352393	5.0	595658.0	1.468191	Y
7	IC 410-330490/6	20.0	27.799755	5.0	592150.0	1.389988	Y
8	IC 410-330490/3	30.0	43.681486	5.0	564139.0	1.45605	Y



Calibration / 1,3-Dinitrobenzene

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

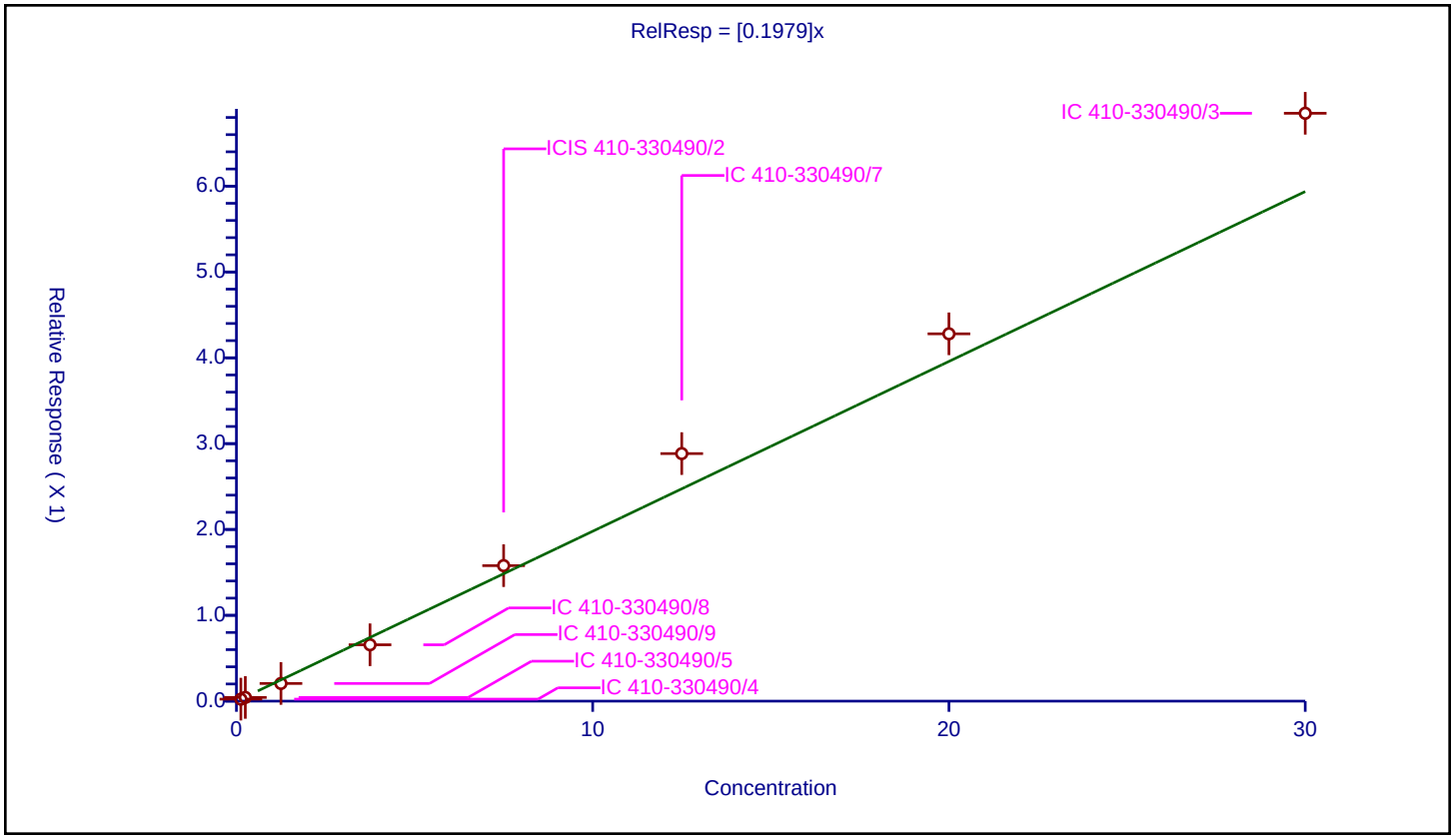
Curve Coefficients

Intercept:	0
Slope:	0.1979

Error Coefficients

Standard Error:	378000
Relative Standard Error:	13.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.023317	5.0	512295.0	0.186533	Y
2	IC 410-330490/5	0.25	0.043339	5.0	491478.0	0.173355	Y
3	IC 410-330490/9	1.25	0.205921	5.0	589352.0	0.164737	Y
4	IC 410-330490/8	3.75	0.65661	5.0	677419.0	0.175096	Y
5	ICIS 410-330490/2	7.5	1.578545	5.0	471811.0	0.210473	Y
6	IC 410-330490/7	12.5	2.884155	5.0	595658.0	0.230732	Y
7	IC 410-330490/6	20.0	4.279431	5.0	592150.0	0.213972	Y
8	IC 410-330490/3	30.0	6.848746	5.0	564139.0	0.228292	Y



Calibration / 2,6-Dinitrotoluene

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

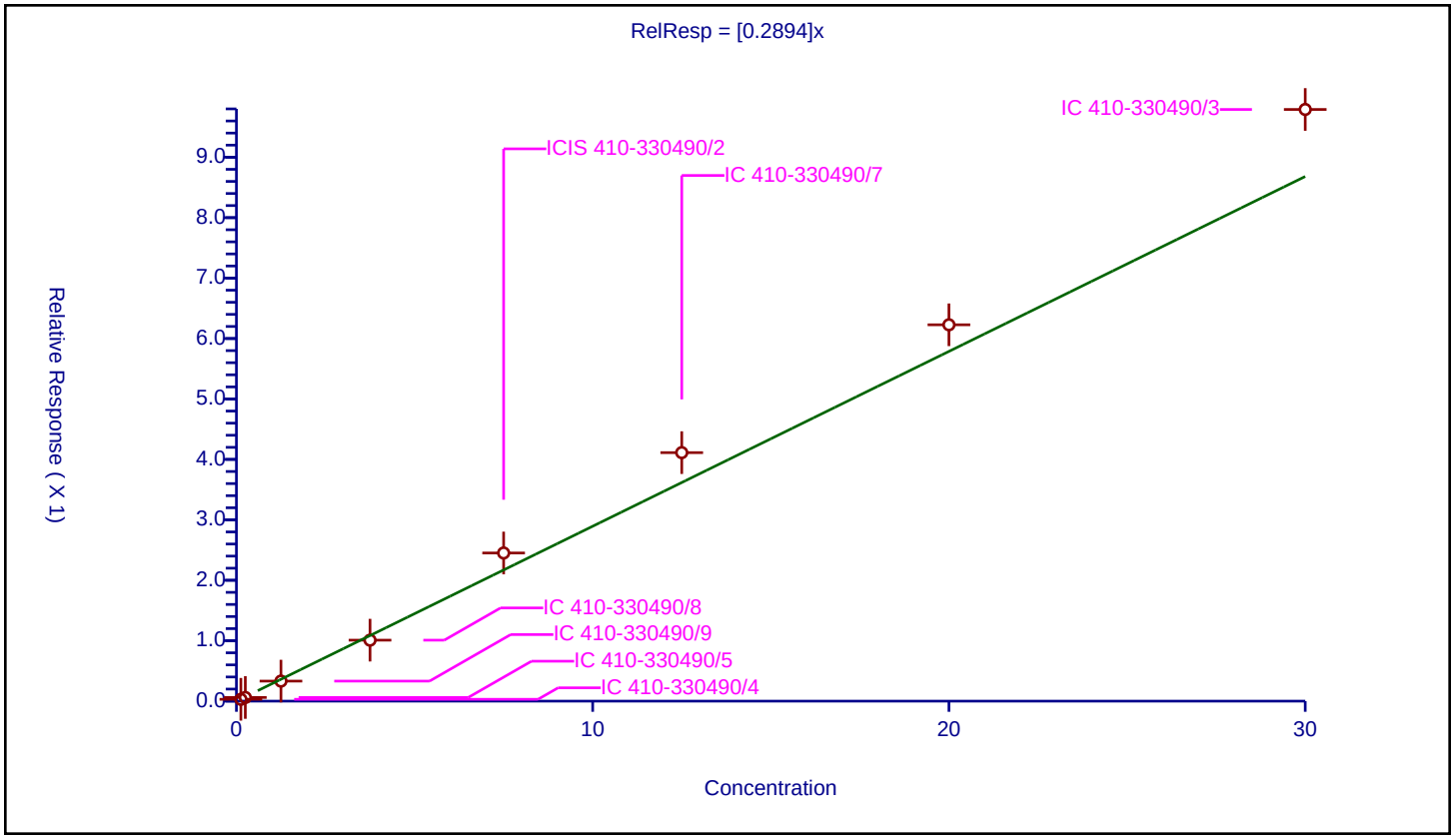
Curve Coefficients

Intercept:	0
Slope:	0.2894

Error Coefficients

Standard Error:	545000
Relative Standard Error:	13.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.0305	5.0	512295.0	0.244	Y
2	IC 410-330490/5	0.25	0.060786	5.0	491478.0	0.243144	Y
3	IC 410-330490/9	1.25	0.331618	5.0	589352.0	0.265295	Y
4	IC 410-330490/8	3.75	1.008881	5.0	677419.0	0.269035	Y
5	ICIS 410-330490/2	7.5	2.451575	5.0	471811.0	0.326877	Y
6	IC 410-330490/7	12.5	4.112041	5.0	595658.0	0.328963	Y
7	IC 410-330490/6	20.0	6.227468	5.0	592150.0	0.311373	Y
8	IC 410-330490/3	30.0	9.790451	5.0	564139.0	0.326348	Y



Calibration / Acenaphthylene

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

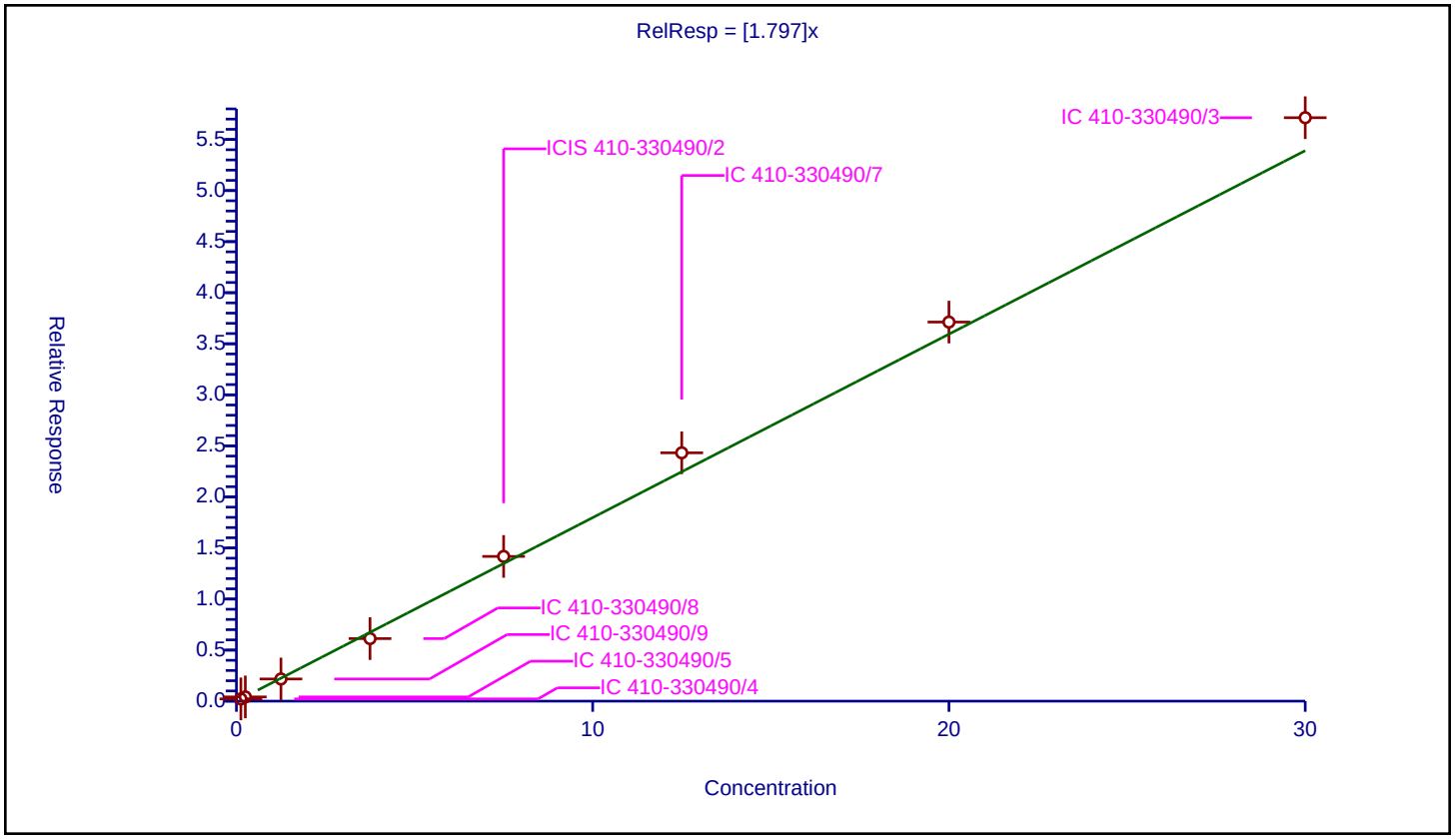
Curve Coefficients

Intercept:	0
Slope:	1.797

Error Coefficients

Standard Error:	3200000
Relative Standard Error:	6.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.219161	5.0	512295.0	1.753287	Y
2	IC 410-330490/5	0.25	0.414393	5.0	491478.0	1.657572	Y
3	IC 410-330490/9	1.25	2.170138	5.0	589352.0	1.73611	Y
4	IC 410-330490/8	3.75	6.126068	5.0	677419.0	1.633618	Y
5	ICIS 410-330490/2	7.5	14.171215	5.0	471811.0	1.889495	Y
6	IC 410-330490/7	12.5	24.318502	5.0	595658.0	1.94548	Y
7	IC 410-330490/6	20.0	37.123068	5.0	592150.0	1.856153	Y
8	IC 410-330490/3	30.0	57.136858	5.0	564139.0	1.904562	Y



Calibration / 3-Nitroaniline

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

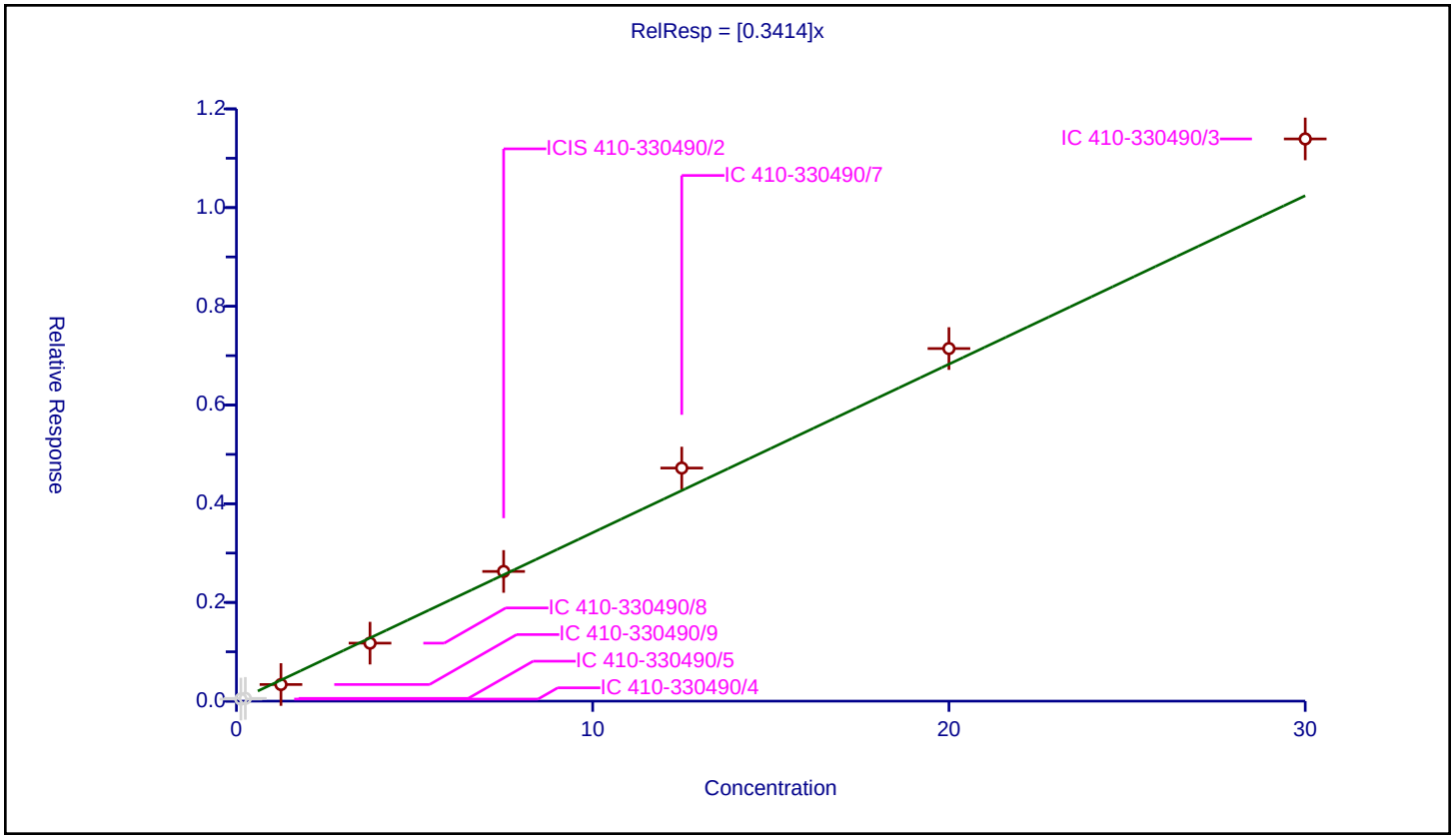
Curve Coefficients

Intercept:	0
Slope:	0.3414

Error Coefficients

Standard Error:	745000
Relative Standard Error:	12.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.041812	5.0	512295.0	0.334495	N
2	IC 410-330490/5	0.25	0.056116	5.0	491478.0	0.224466	N
3	IC 410-330490/9	1.25	0.337209	5.0	589352.0	0.269767	Y
4	IC 410-330490/8	3.75	1.174945	5.0	677419.0	0.313319	Y
5	ICIS 410-330490/2	7.5	2.627959	5.0	471811.0	0.350395	Y
6	IC 410-330490/7	12.5	4.722718	5.0	595658.0	0.377817	Y
7	IC 410-330490/6	20.0	7.144364	5.0	592150.0	0.357218	Y
8	IC 410-330490/3	30.0	11.391377	5.0	564139.0	0.379713	Y



Calibration / Acenaphthene

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

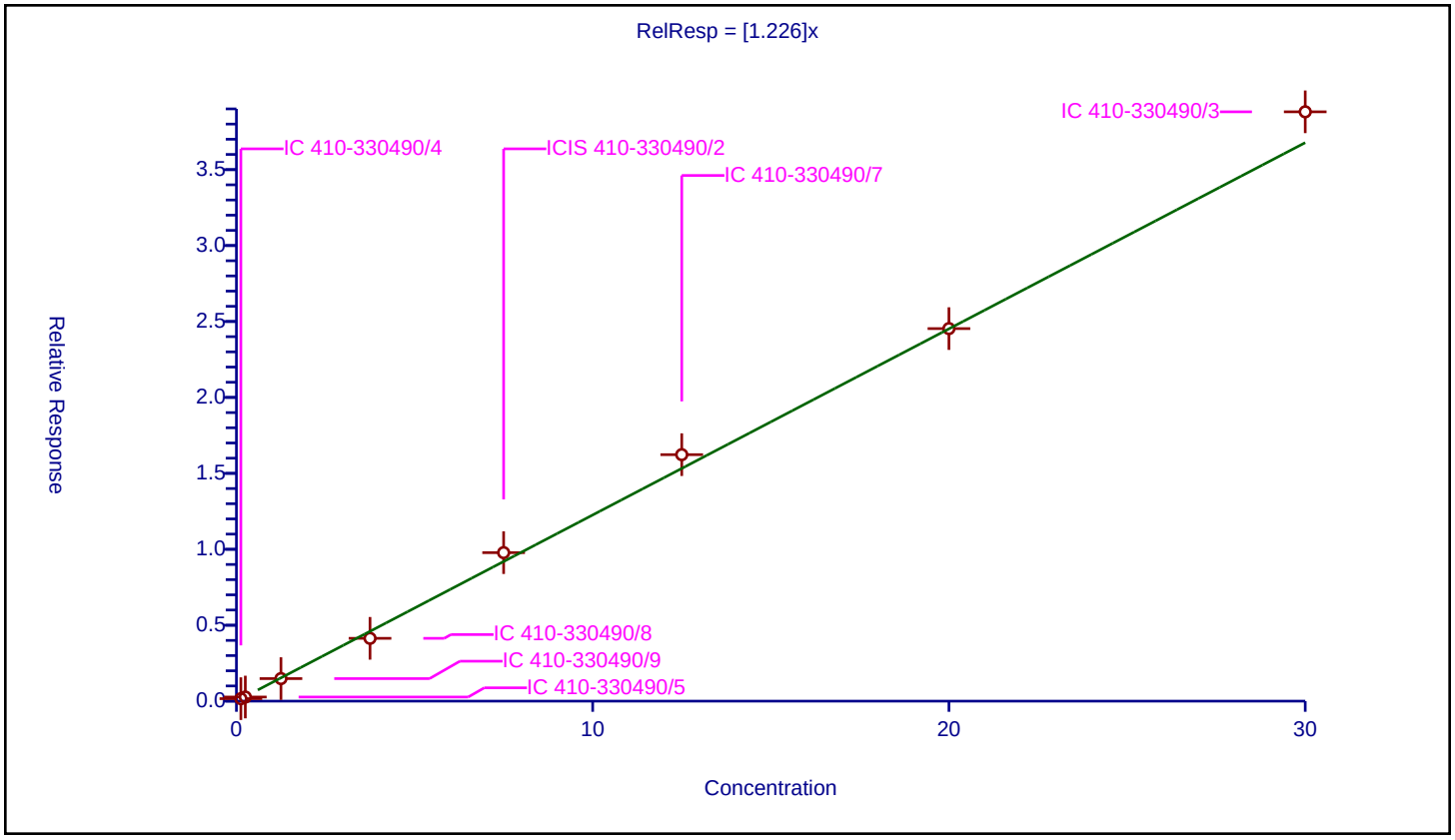
Curve Coefficients

Intercept:	0
Slope:	1.226

Error Coefficients

Standard Error:	2160000
Relative Standard Error:	7.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.163812	5.0	512295.0	1.310495	Y
2	IC 410-330490/5	0.25	0.270785	5.0	491478.0	1.083141	Y
3	IC 410-330490/9	1.25	1.484605	5.0	589352.0	1.187684	Y
4	IC 410-330490/8	3.75	4.136192	5.0	677419.0	1.102985	Y
5	ICIS 410-330490/2	7.5	9.779361	5.0	471811.0	1.303915	Y
6	IC 410-330490/7	12.5	16.231655	5.0	595658.0	1.298532	Y
7	IC 410-330490/6	20.0	24.53283	5.0	592150.0	1.226641	Y
8	IC 410-330490/3	30.0	38.806411	5.0	564139.0	1.293547	Y



Calibration / 2,4-Dinitrophenol

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

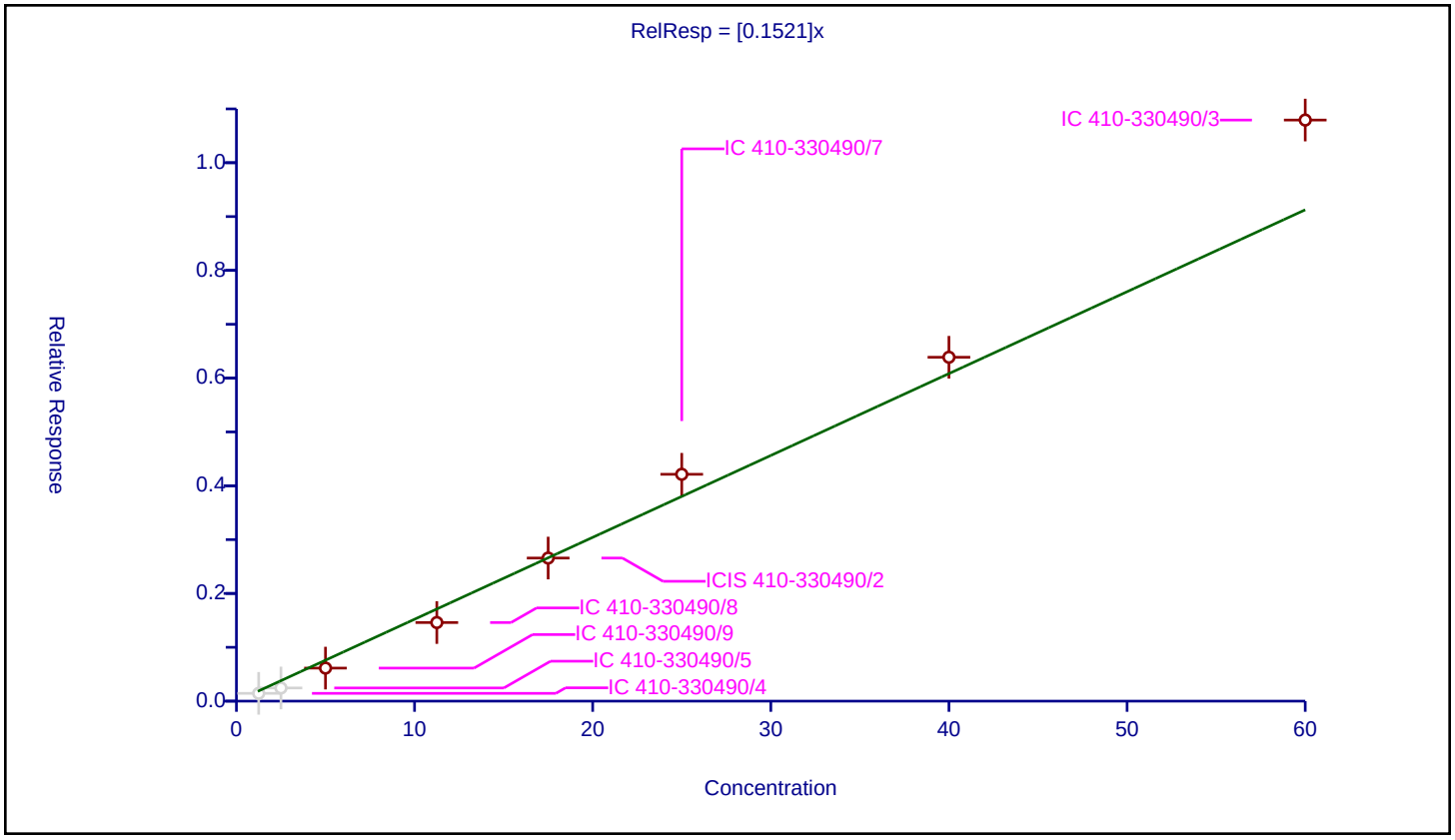
Curve Coefficients

Intercept:	0
Slope:	0.1521

Error Coefficients

Standard Error:	695000
Relative Standard Error:	14.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	1.25	0.144555	5.0	512295.0	0.115644	N
2	IC 410-330490/5	2.5	0.244629	5.0	491478.0	0.097852	N
3	IC 410-330490/9	5.0	0.613895	5.0	589352.0	0.122779	Y
4	IC 410-330490/8	11.25	1.460152	5.0	677419.0	0.129791	Y
5	ICIS 410-330490/2	17.5	2.657908	5.0	471811.0	0.15188	Y
6	IC 410-330490/7	25.0	4.213273	5.0	595658.0	0.168531	Y
7	IC 410-330490/6	40.0	6.387292	5.0	592150.0	0.159682	Y
8	IC 410-330490/3	60.0	10.79265	5.0	564139.0	0.179878	Y



Calibration / 4-Nitrophenol

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

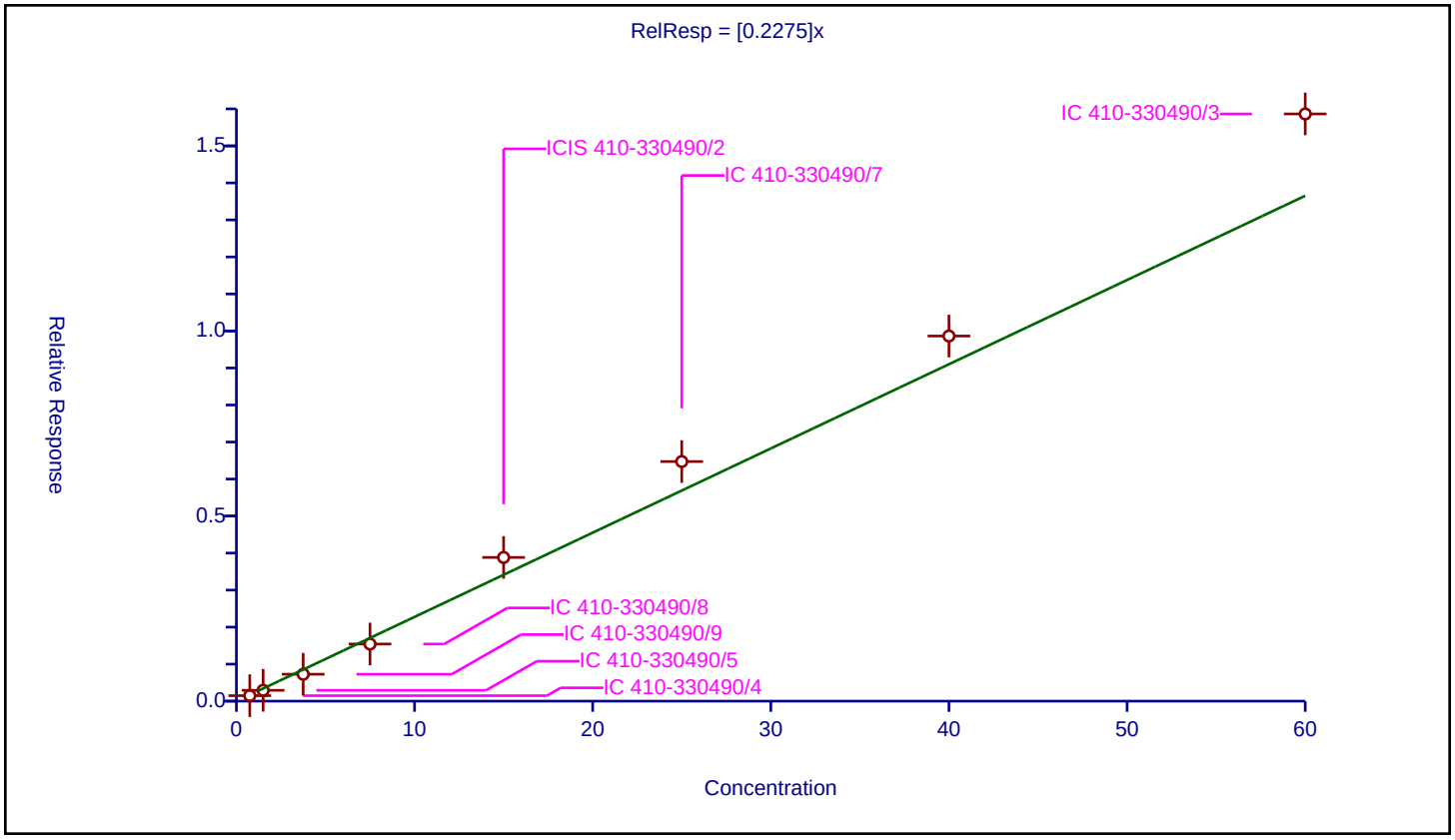
Curve Coefficients

Intercept:	0
Slope:	0.2275

Error Coefficients

Standard Error:	874000
Relative Standard Error:	14.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.75	0.147913	5.0	512295.0	0.197217	Y
2	IC 410-330490/5	1.5	0.292343	5.0	491478.0	0.194895	Y
3	IC 410-330490/9	3.75	0.726875	5.0	589352.0	0.193833	Y
4	IC 410-330490/8	7.5	1.54293	5.0	677419.0	0.205724	Y
5	ICIS 410-330490/2	15.0	3.881936	5.0	471811.0	0.258796	Y
6	IC 410-330490/7	25.0	6.47264	5.0	595658.0	0.258906	Y
7	IC 410-330490/6	40.0	9.863793	5.0	592150.0	0.246595	Y
8	IC 410-330490/3	60.0	15.863413	5.0	564139.0	0.26439	Y



Calibration / 2,4-Dinitrotoluene

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

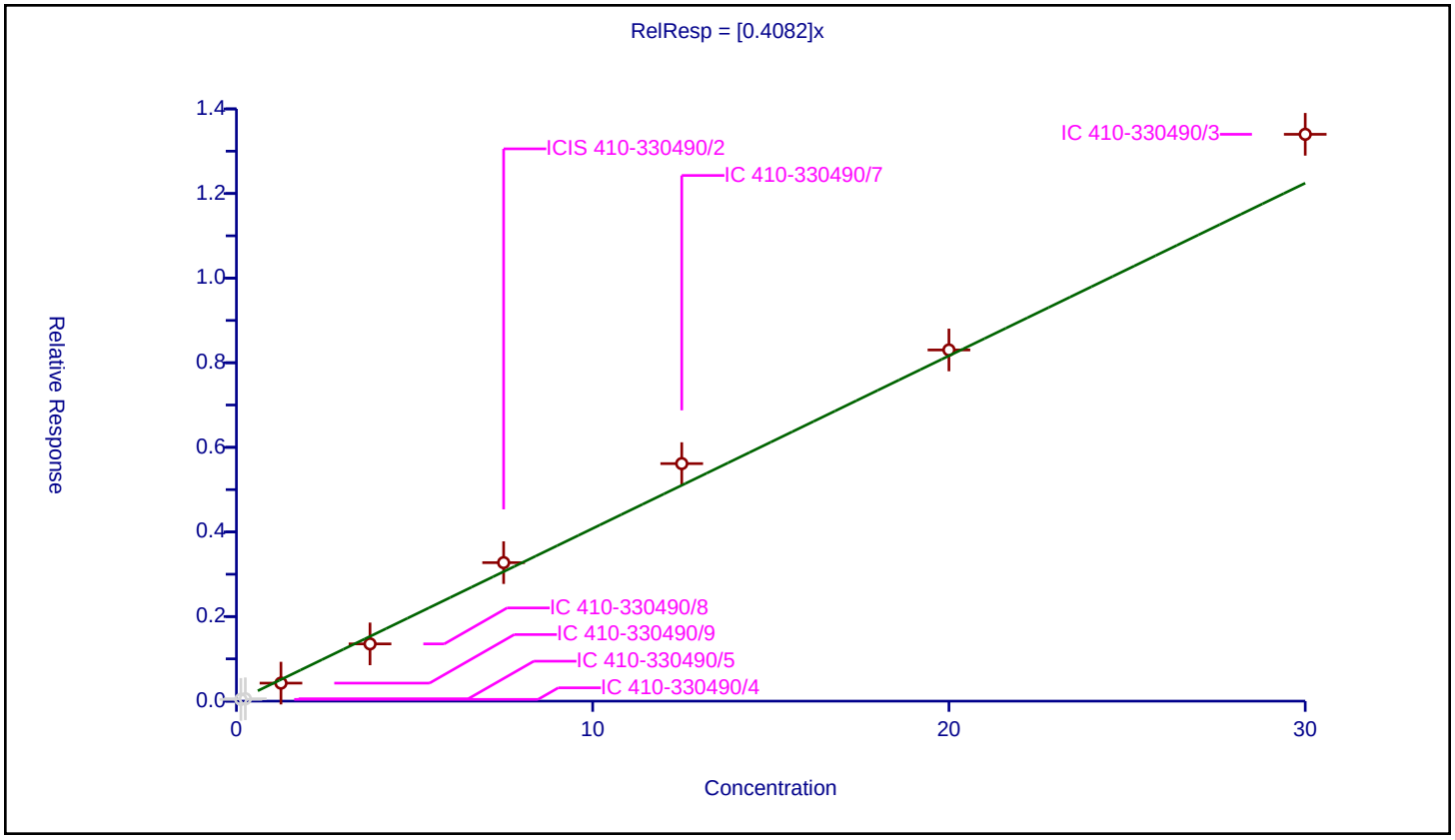
Curve Coefficients

Intercept:	0
Slope:	0.4082

Error Coefficients

Standard Error:	875000
Relative Standard Error:	11.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.041539	5.0	512295.0	0.332309	N
2	IC 410-330490/5	0.25	0.055832	5.0	491478.0	0.223326	N
3	IC 410-330490/9	1.25	0.425781	5.0	589352.0	0.340625	Y
4	IC 410-330490/8	3.75	1.35338	5.0	677419.0	0.360901	Y
5	ICIS 410-330490/2	7.5	3.274076	5.0	471811.0	0.436543	Y
6	IC 410-330490/7	12.5	5.615286	5.0	595658.0	0.449223	Y
7	IC 410-330490/6	20.0	8.301334	5.0	592150.0	0.415067	Y
8	IC 410-330490/3	30.0	13.399207	5.0	564139.0	0.44664	Y



Calibration / Pentachlorobenzene

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

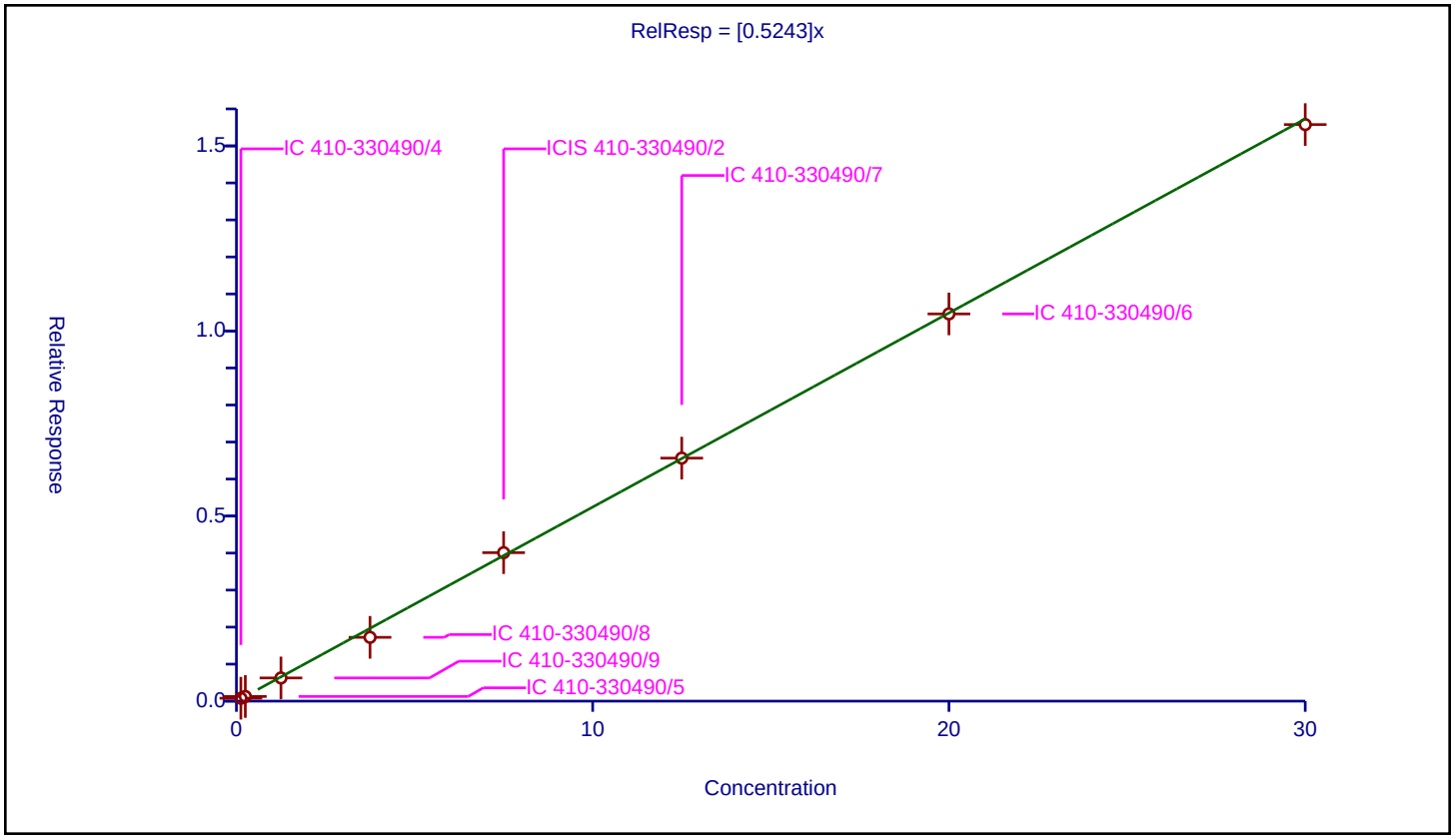
Curve Coefficients

Intercept:	0
Slope:	0.5243

Error Coefficients

Standard Error:	881000
Relative Standard Error:	9.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.078675	5.0	512295.0	0.629403	Y
2	IC 410-330490/5	0.25	0.12556	5.0	491478.0	0.50224	Y
3	IC 410-330490/9	1.25	0.626154	5.0	589352.0	0.500923	Y
4	IC 410-330490/8	3.75	1.723749	5.0	677419.0	0.459666	Y
5	ICIS 410-330490/2	7.5	4.011394	5.0	471811.0	0.534853	Y
6	IC 410-330490/7	12.5	6.565395	5.0	595658.0	0.525232	Y
7	IC 410-330490/6	20.0	10.461133	5.0	592150.0	0.523057	Y
8	IC 410-330490/3	30.0	15.576338	5.0	564139.0	0.519211	Y



Calibration / Dibenzofuran

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

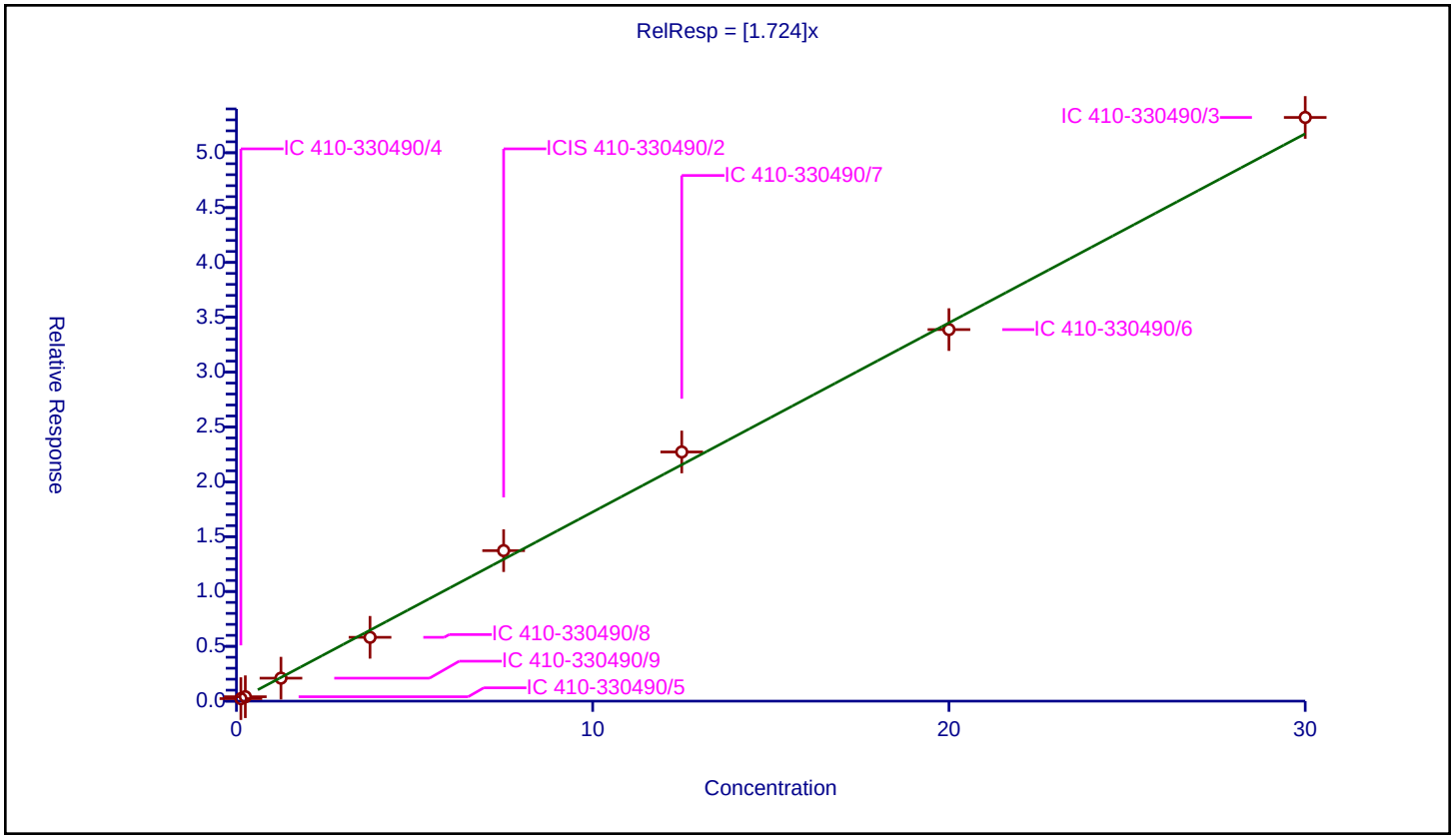
Curve Coefficients

Intercept:	0
Slope:	1.724

Error Coefficients

Standard Error:	2970000
Relative Standard Error:	6.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.230521	5.0	512295.0	1.844172	Y
2	IC 410-330490/5	0.25	0.402154	5.0	491478.0	1.608617	Y
3	IC 410-330490/9	1.25	2.095259	5.0	589352.0	1.676207	Y
4	IC 410-330490/8	3.75	5.819456	5.0	677419.0	1.551855	Y
5	ICIS 410-330490/2	7.5	13.721734	5.0	471811.0	1.829565	Y
6	IC 410-330490/7	12.5	22.718238	5.0	595658.0	1.817459	Y
7	IC 410-330490/6	20.0	33.878705	5.0	592150.0	1.693935	Y
8	IC 410-330490/3	30.0	53.219925	5.0	564139.0	1.773997	Y



Calibration / 1-Naphthylamine

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

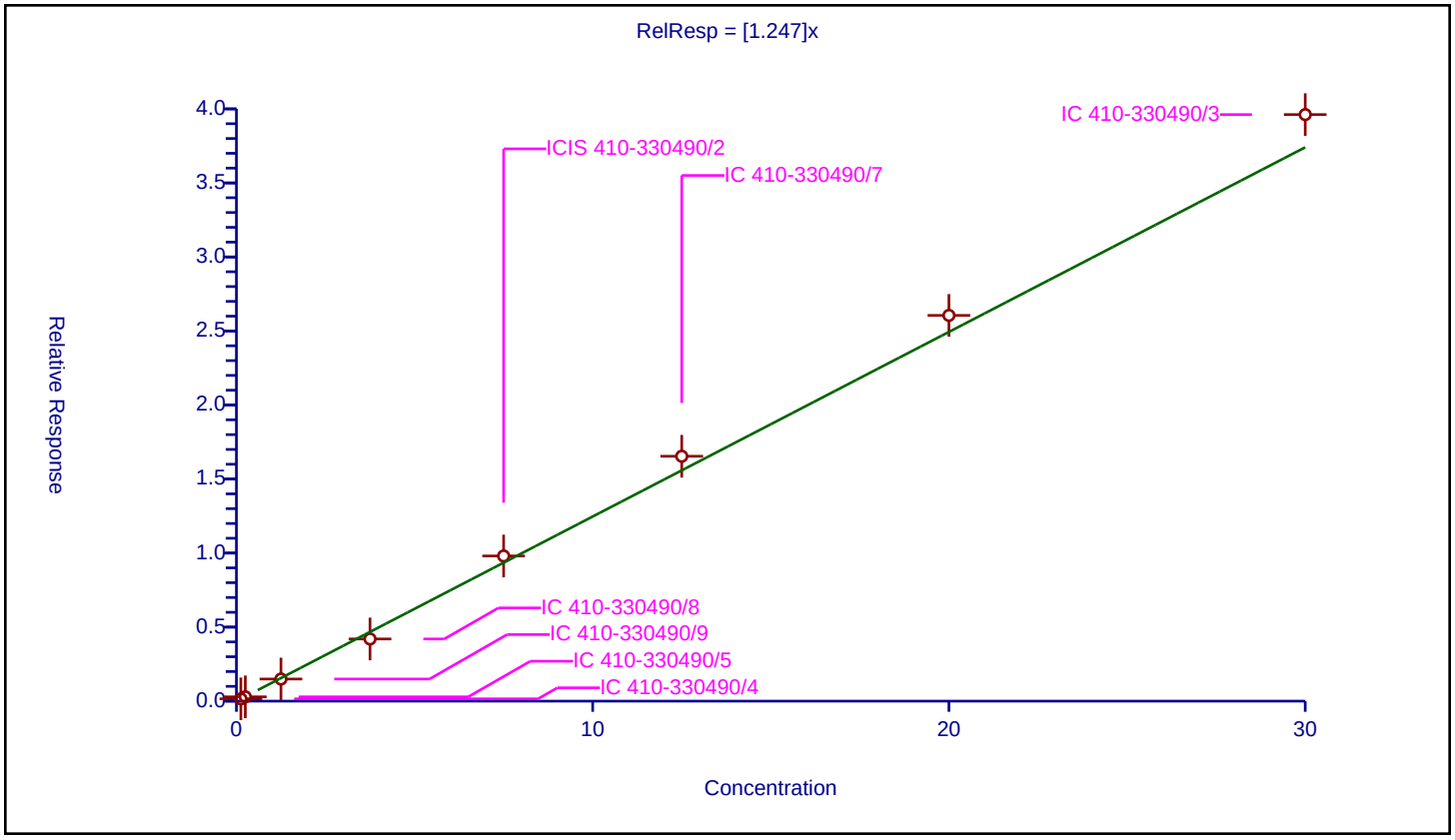
Curve Coefficients

Intercept:	0
Slope:	1.247

Error Coefficients

Standard Error:	2220000
Relative Standard Error:	6.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.155467	5.0	512295.0	1.243737	Y
2	IC 410-330490/5	0.25	0.29045	5.0	491478.0	1.161802	Y
3	IC 410-330490/9	1.25	1.494192	5.0	589352.0	1.195354	Y
4	IC 410-330490/8	3.75	4.200045	5.0	677419.0	1.120012	Y
5	ICIS 410-330490/2	7.5	9.805187	5.0	471811.0	1.307358	Y
6	IC 410-330490/7	12.5	16.539231	5.0	595658.0	1.323138	Y
7	IC 410-330490/6	20.0	26.052419	5.0	592150.0	1.302621	Y
8	IC 410-330490/3	30.0	39.614599	5.0	564139.0	1.320487	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

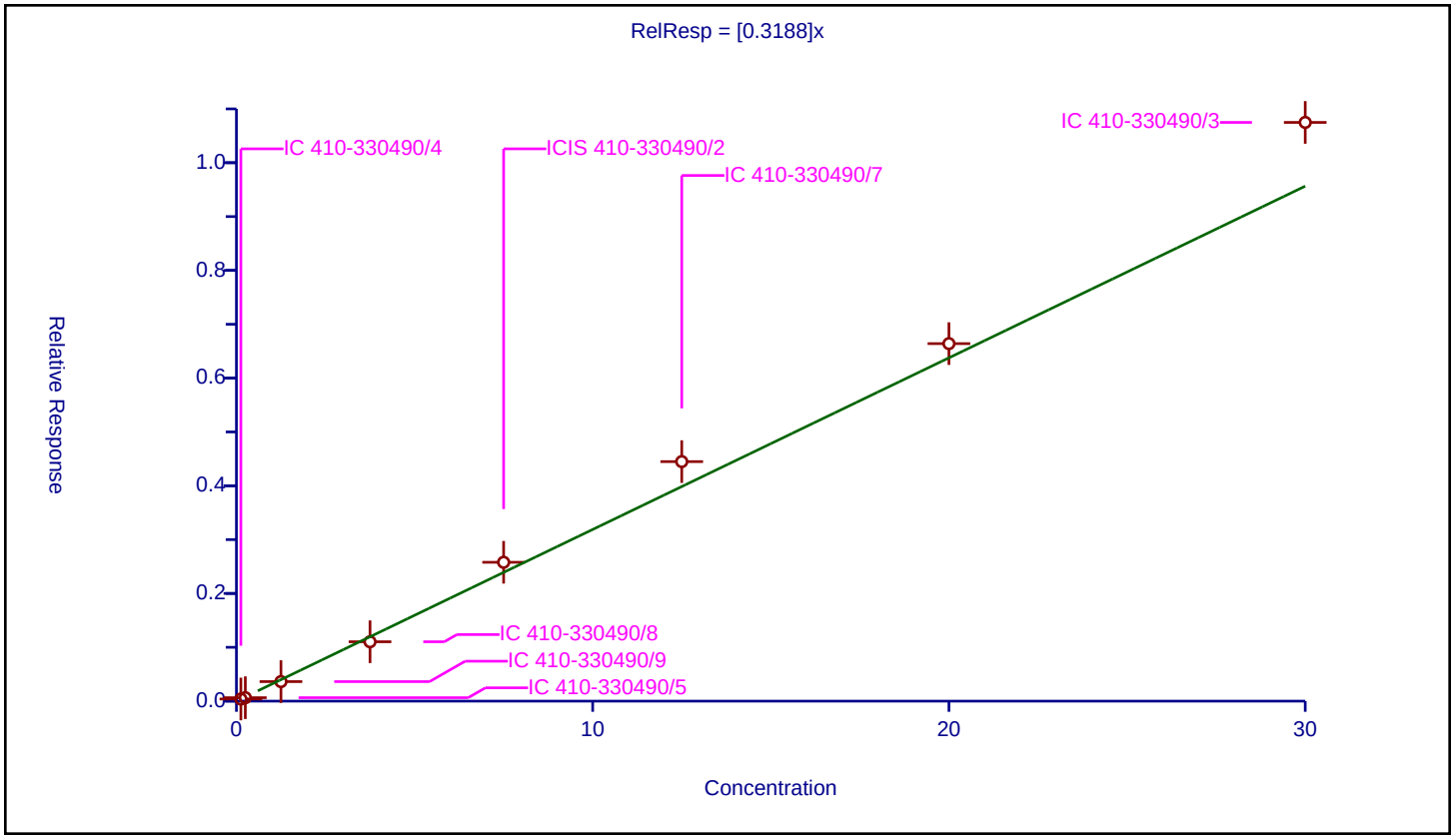
Curve Coefficients

Intercept:	0
Slope:	0.3188

Error Coefficients

Standard Error:	592000
Relative Standard Error:	11.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.040055	5.0	512295.0	0.32044	Y
2	IC 410-330490/5	0.25	0.063991	5.0	491478.0	0.255963	Y
3	IC 410-330490/9	1.25	0.362644	5.0	589352.0	0.290115	Y
4	IC 410-330490/8	3.75	1.102722	5.0	677419.0	0.294059	Y
5	ICIS 410-330490/2	7.5	2.578808	5.0	471811.0	0.343841	Y
6	IC 410-330490/7	12.5	4.448736	5.0	595658.0	0.355899	Y
7	IC 410-330490/6	20.0	6.64026	5.0	592150.0	0.332013	Y
8	IC 410-330490/3	30.0	10.748521	5.0	564139.0	0.358284	Y



Calibration / 2-Naphthylamine

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

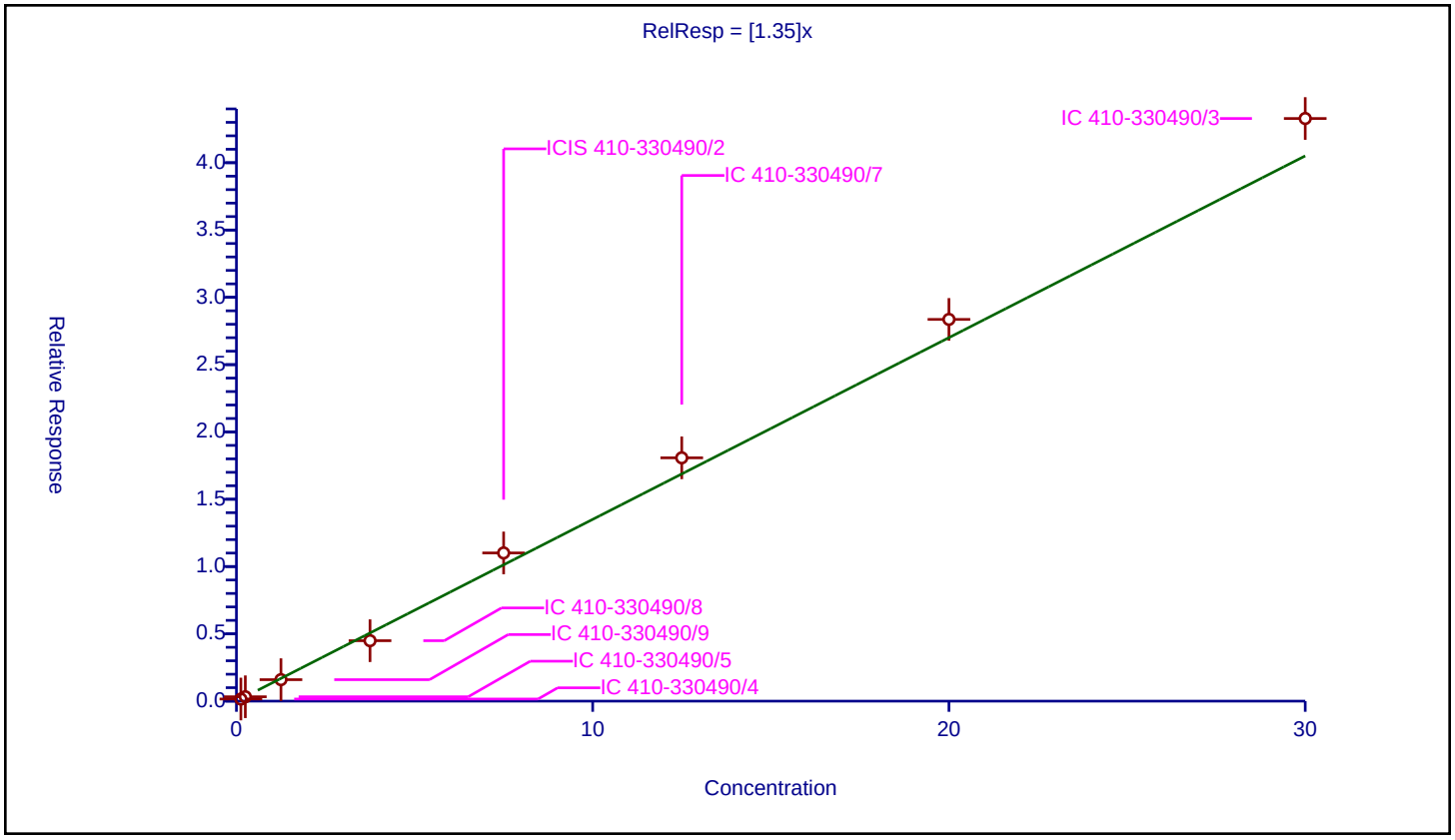
Curve Coefficients

Intercept:	0
Slope:	1.35

Error Coefficients

Standard Error:	2430000
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 410-330490/4	0.125	0.156511	5.0	512295.0	1.252091	Y
2	IC 410-330490/5	0.25	0.325081	5.0	491478.0	1.300323	Y
3	IC 410-330490/9	1.25	1.596406	5.0	589352.0	1.277125	Y
4	IC 410-330490/8	3.75	4.491135	5.0	677419.0	1.197636	Y
5	ICIS 410-330490/2	7.5	11.010246	5.0	471811.0	1.468033	Y
6	IC 410-330490/7	12.5	18.076791	5.0	595658.0	1.446143	Y
7	IC 410-330490/6	20.0	28.360508	5.0	592150.0	1.418025	Y
8	IC 410-330490/3	30.0	43.285786	5.0	564139.0	1.44286	Y



Calibration / Diethyl phthalate

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

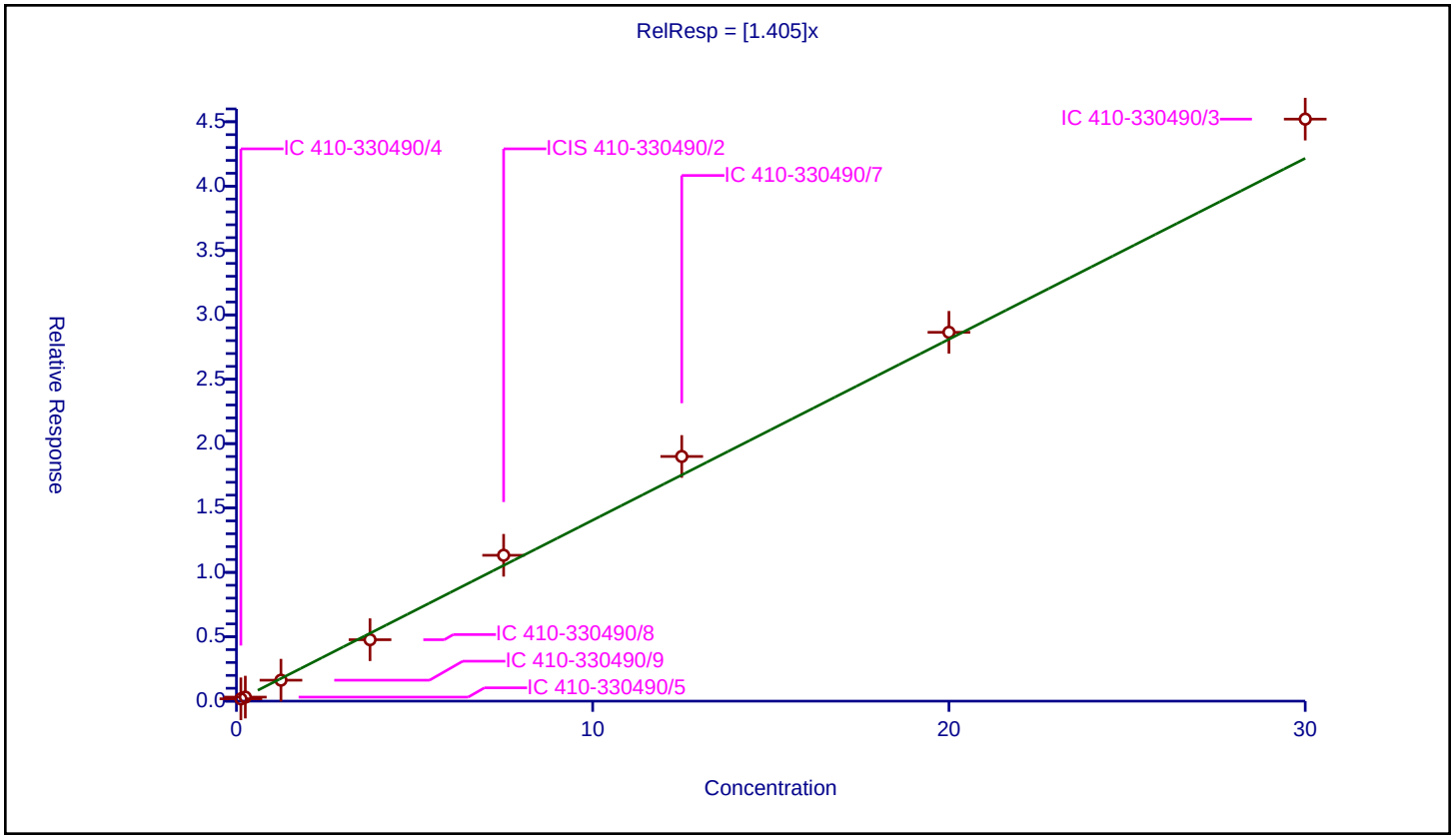
Curve Coefficients

Intercept:	0
Slope:	1.405

Error Coefficients

Standard Error:	2510000
Relative Standard Error:	8.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.180765	5.0	512295.0	1.44612	Y
2	IC 410-330490/5	0.25	0.313229	5.0	491478.0	1.252915	Y
3	IC 410-330490/9	1.25	1.626812	5.0	589352.0	1.30145	Y
4	IC 410-330490/8	3.75	4.77167	5.0	677419.0	1.272445	Y
5	ICIS 410-330490/2	7.5	11.328901	5.0	471811.0	1.51052	Y
6	IC 410-330490/7	12.5	19.003379	5.0	595658.0	1.52027	Y
7	IC 410-330490/6	20.0	28.648011	5.0	592150.0	1.432401	Y
8	IC 410-330490/3	30.0	45.20541	5.0	564139.0	1.506847	Y



Calibration / Thionazin

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

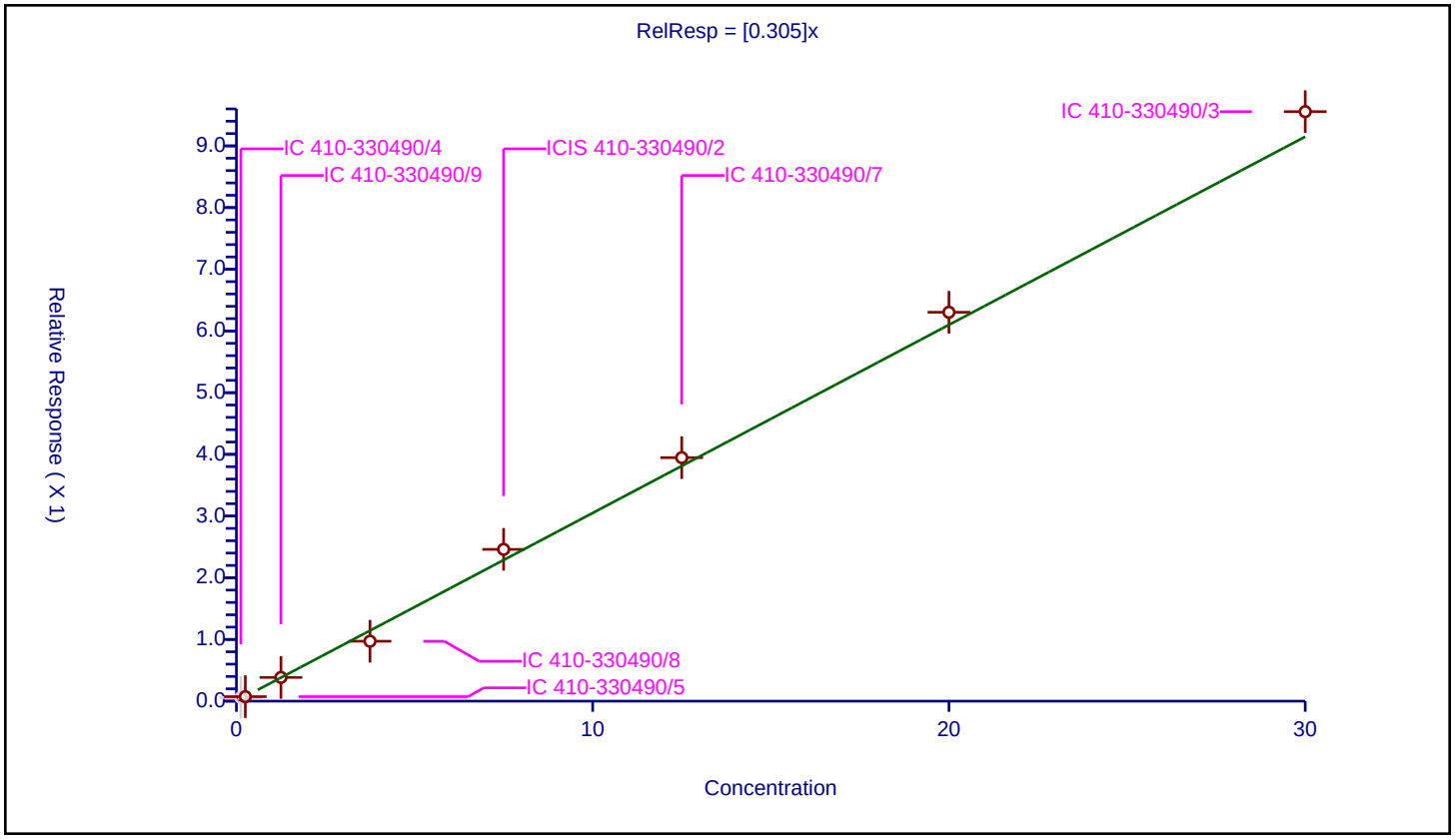
Curve Coefficients

Intercept:	0
Slope:	0.305

Error Coefficients

Standard Error:	579000
Relative Standard Error:	7.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.05895	5.0	512295.0	0.471603	N
2	IC 410-330490/5	0.25	0.072709	5.0	491478.0	0.290837	Y
3	IC 410-330490/9	1.25	0.38438	5.0	589352.0	0.307504	Y
4	IC 410-330490/8	3.75	0.971326	5.0	677419.0	0.25902	Y
5	ICIS 410-330490/2	7.5	2.460085	5.0	471811.0	0.328011	Y
6	IC 410-330490/7	12.5	3.947038	5.0	595658.0	0.315763	Y
7	IC 410-330490/6	20.0	6.303639	5.0	592150.0	0.315182	Y
8	IC 410-330490/3	30.0	9.555633	5.0	564139.0	0.318521	Y



Calibration / Fluorene

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

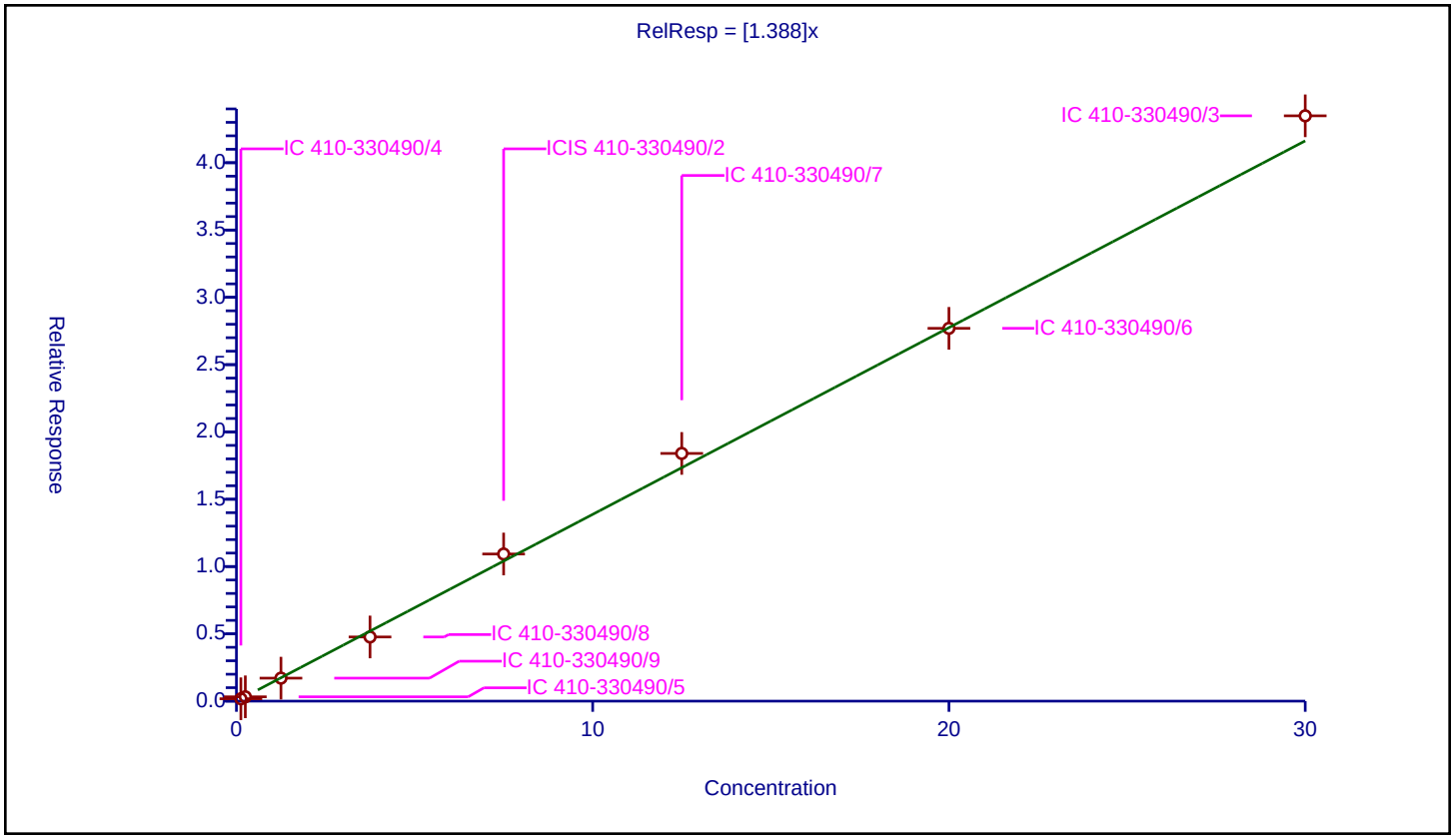
Curve Coefficients

Intercept:	0
Slope:	1.388

Error Coefficients

Standard Error:	2420000
Relative Standard Error:	5.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.176841	5.0	512295.0	1.414732	Y
2	IC 410-330490/5	0.25	0.320676	5.0	491478.0	1.282702	Y
3	IC 410-330490/9	1.25	1.708724	5.0	589352.0	1.366979	Y
4	IC 410-330490/8	3.75	4.76809	5.0	677419.0	1.271491	Y
5	ICIS 410-330490/2	7.5	10.930913	5.0	471811.0	1.457455	Y
6	IC 410-330490/7	12.5	18.403539	5.0	595658.0	1.472283	Y
7	IC 410-330490/6	20.0	27.697534	5.0	592150.0	1.384877	Y
8	IC 410-330490/3	30.0	43.48641	5.0	564139.0	1.449547	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

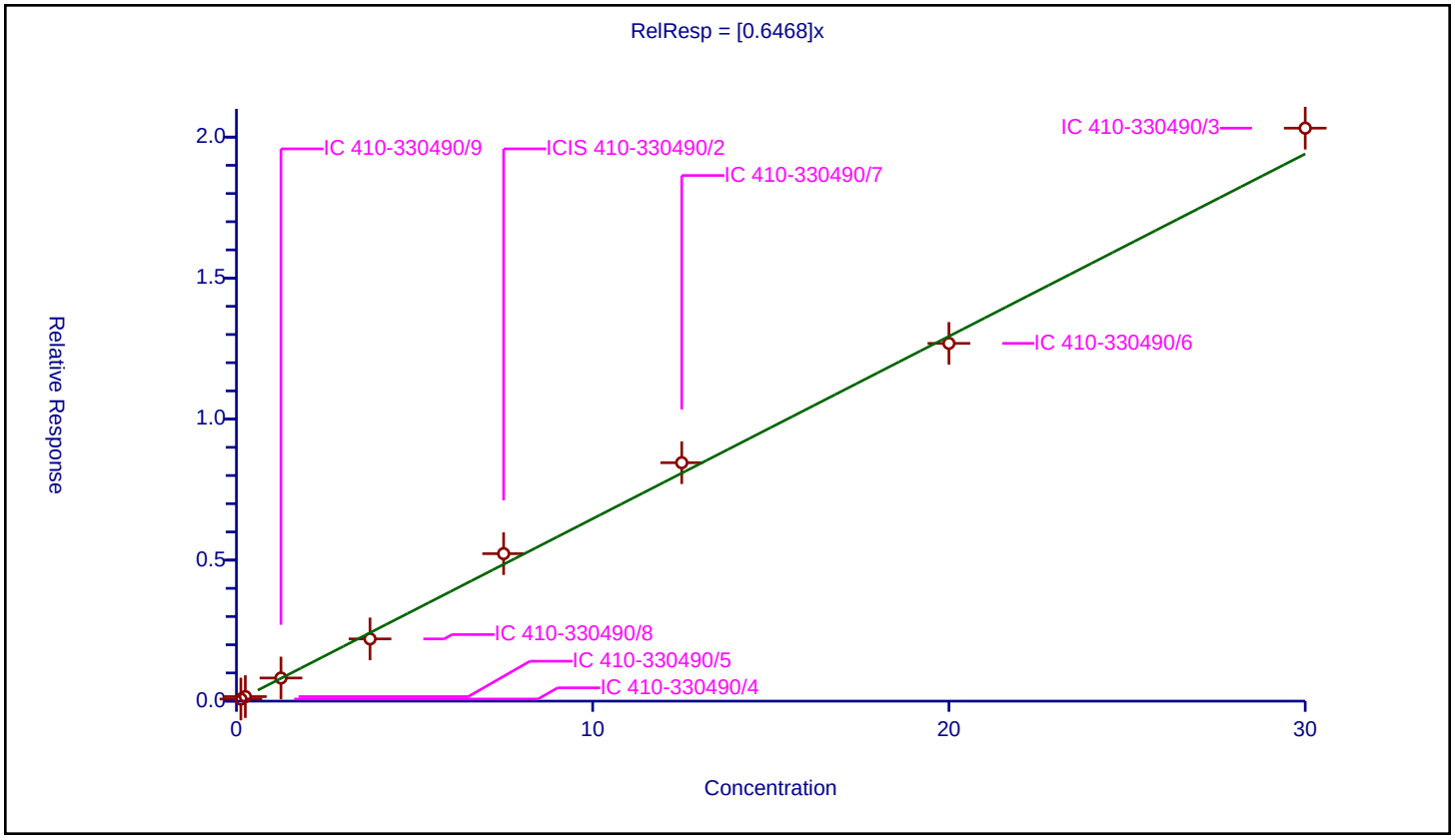
Curve Coefficients

Intercept:	0
Slope:	0.6468

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	5.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.074898	5.0	512295.0	0.599186	Y
2	IC 410-330490/5	0.25	0.161431	5.0	491478.0	0.645726	Y
3	IC 410-330490/9	1.25	0.819748	5.0	589352.0	0.655798	Y
4	IC 410-330490/8	3.75	2.206611	5.0	677419.0	0.58843	Y
5	ICIS 410-330490/2	7.5	5.229319	5.0	471811.0	0.697242	Y
6	IC 410-330490/7	12.5	8.454541	5.0	595658.0	0.676363	Y
7	IC 410-330490/6	20.0	12.685975	5.0	592150.0	0.634299	Y
8	IC 410-330490/3	30.0	20.316837	5.0	564139.0	0.677228	Y



Calibration / 4-Nitroaniline

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

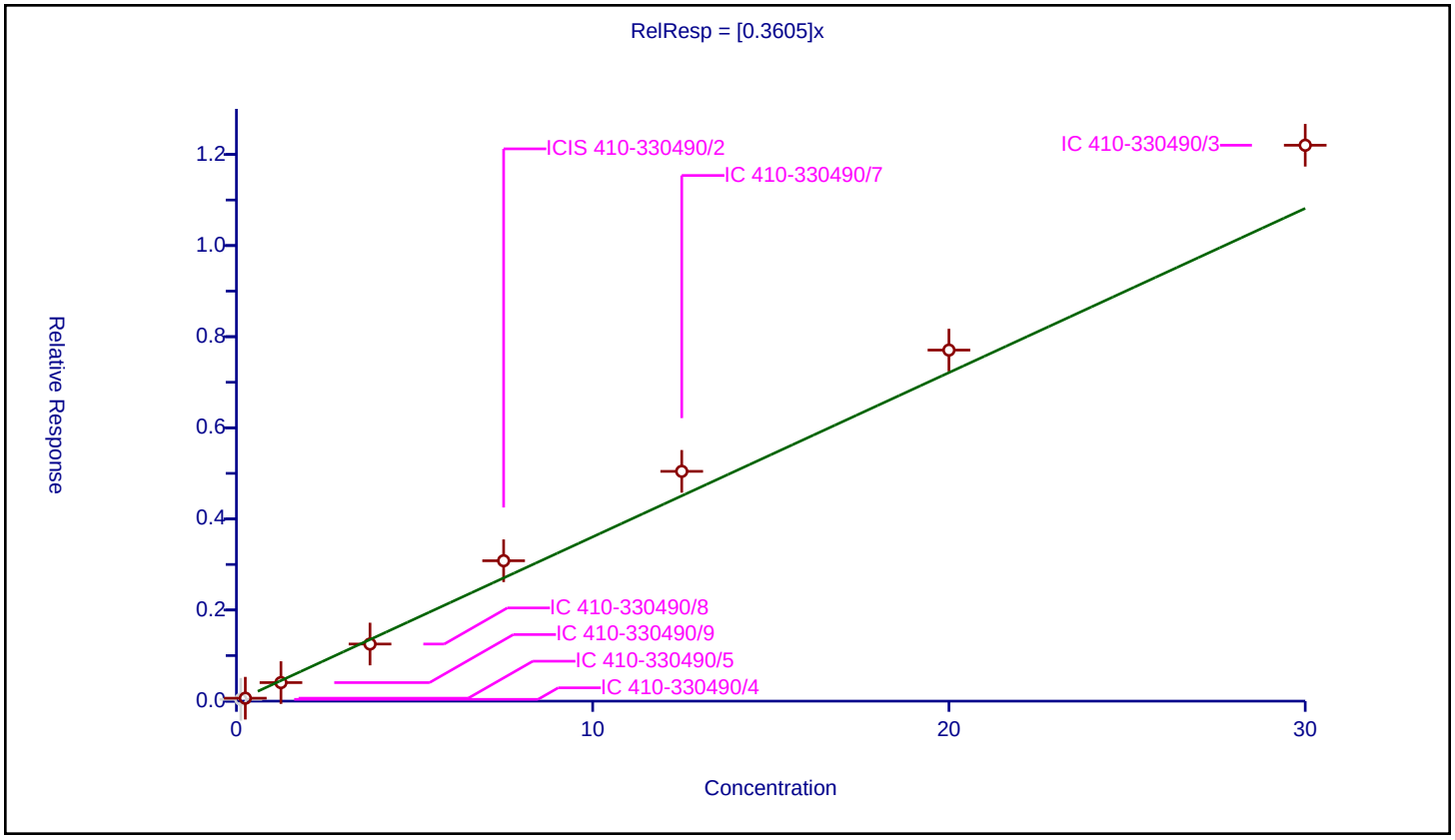
Curve Coefficients

Intercept:	0
Slope:	0.3605

Error Coefficients

Standard Error:	731000
Relative Standard Error:	15.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.039548	5.0	512295.0	0.31638	N
2	IC 410-330490/5	0.25	0.064367	5.0	491478.0	0.257468	Y
3	IC 410-330490/9	1.25	0.406964	5.0	589352.0	0.325571	Y
4	IC 410-330490/8	3.75	1.253714	5.0	677419.0	0.334324	Y
5	ICIS 410-330490/2	7.5	3.082124	5.0	471811.0	0.41095	Y
6	IC 410-330490/7	12.5	5.043943	5.0	595658.0	0.403515	Y
7	IC 410-330490/6	20.0	7.705522	5.0	592150.0	0.385276	Y
8	IC 410-330490/3	30.0	12.202135	5.0	564139.0	0.406738	Y



Calibration / N-Nitro-o-toluidine

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

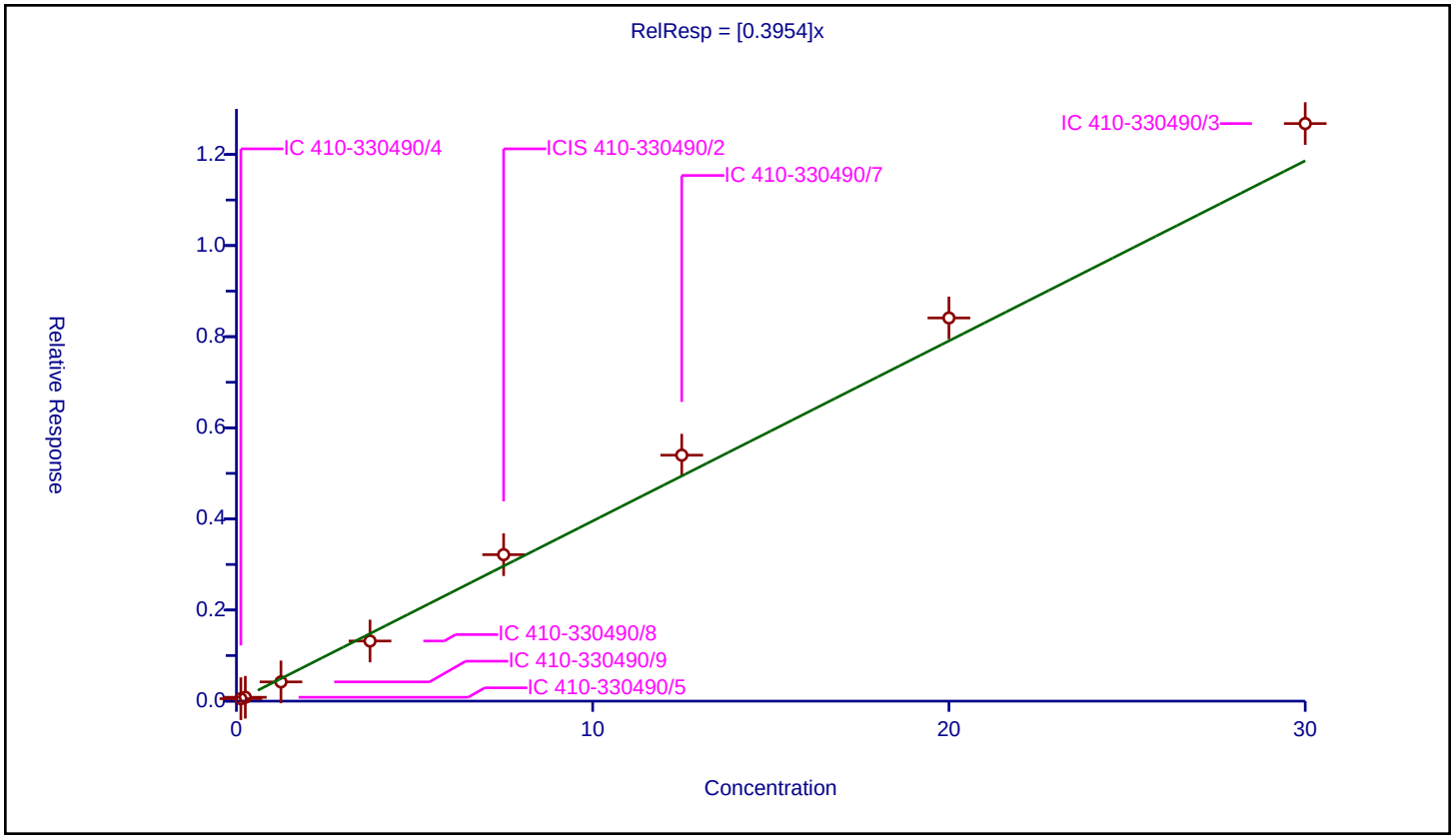
Curve Coefficients

Intercept:	0
Slope:	0.3954

Error Coefficients

Standard Error:	715000
Relative Standard Error:	11.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.053758	5.0	512295.0	0.430065	Y
2	IC 410-330490/5	0.25	0.084877	5.0	491478.0	0.339507	Y
3	IC 410-330490/9	1.25	0.422371	5.0	589352.0	0.337897	Y
4	IC 410-330490/8	3.75	1.319641	5.0	677419.0	0.351904	Y
5	ICIS 410-330490/2	7.5	3.215133	5.0	471811.0	0.428684	Y
6	IC 410-330490/7	12.5	5.399399	5.0	595658.0	0.431952	Y
7	IC 410-330490/6	20.0	8.411154	5.0	592150.0	0.420558	Y
8	IC 410-330490/3	30.0	12.677638	5.0	564139.0	0.422588	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

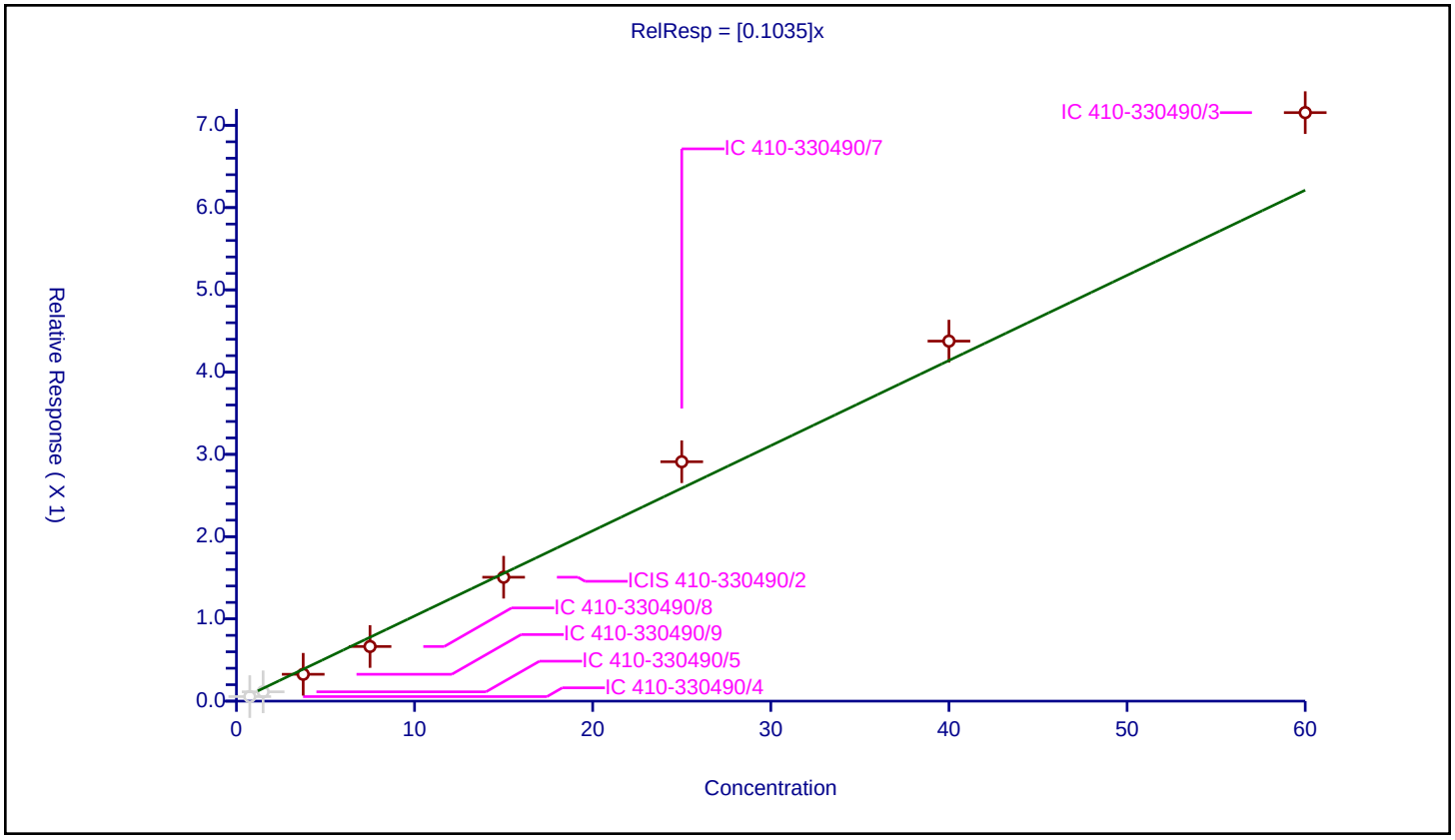
Curve Coefficients

Intercept:	0
Slope:	0.1035

Error Coefficients

Standard Error:	888000
Relative Standard Error:	13.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.75	0.055324	5.0	982391.0	0.073766	N
2	IC 410-330490/5	1.5	0.113454	5.0	943645.0	0.075636	N
3	IC 410-330490/9	3.75	0.326687	5.0	1113819.0	0.087116	Y
4	IC 410-330490/8	7.5	0.664386	5.0	1285729.0	0.088585	Y
5	ICIS 410-330490/2	15.0	1.506551	5.0	903262.0	0.100437	Y
6	IC 410-330490/7	25.0	2.910304	5.0	1133880.0	0.116412	Y
7	IC 410-330490/6	40.0	4.376766	5.0	1135200.0	0.109419	Y
8	IC 410-330490/3	60.0	7.154553	5.0	1085130.0	0.119243	Y



Calibration / N-Nitrosodiphenylamine

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

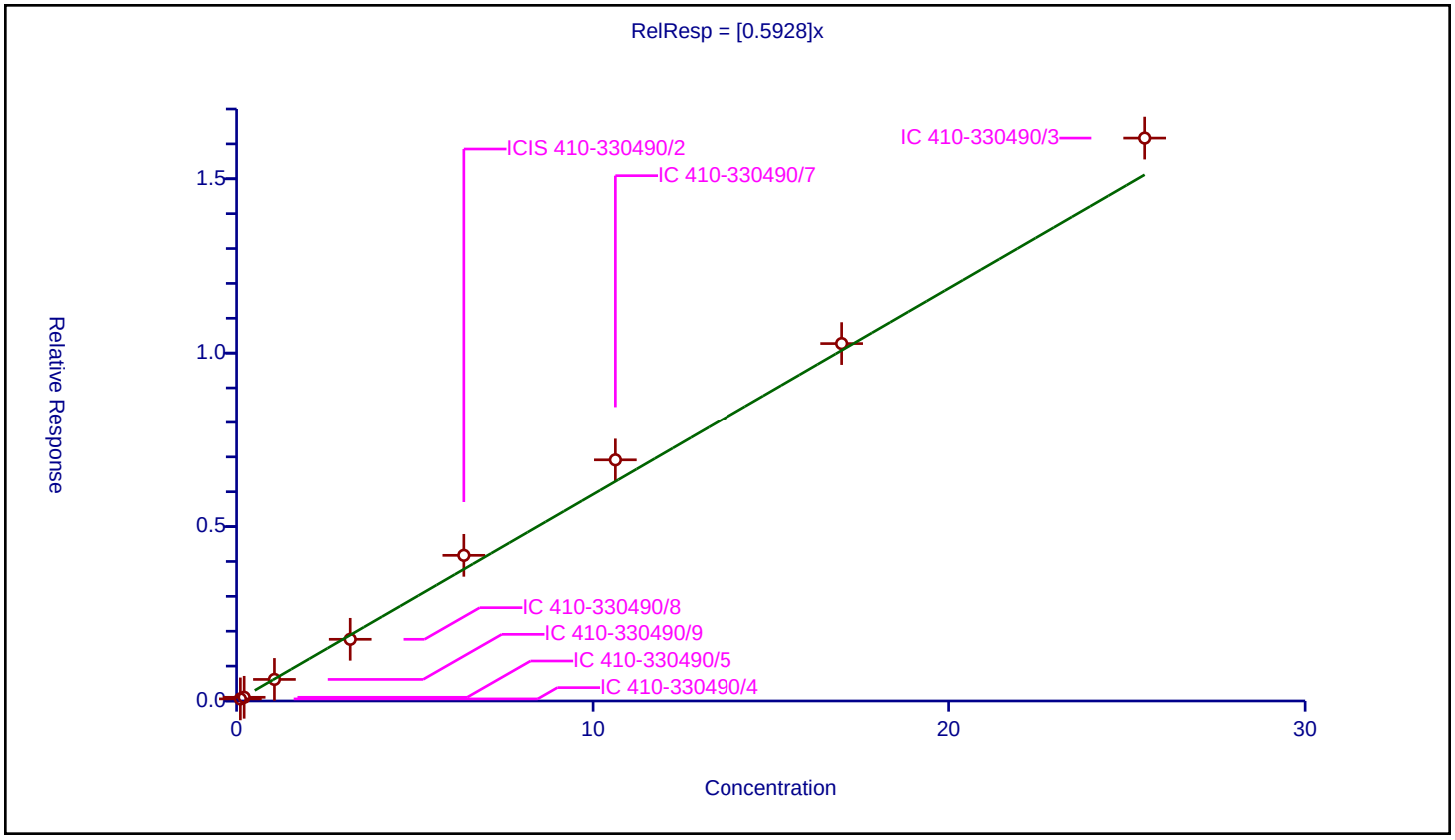
Curve Coefficients

Intercept:	0
Slope:	0.5928

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	9.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.10625	0.059803	5.0	982391.0	0.562852	Y
2	IC 410-330490/5	0.2125	0.105988	5.0	943645.0	0.498767	Y
3	IC 410-330490/9	1.0625	0.617722	5.0	1113819.0	0.581385	Y
4	IC 410-330490/8	3.1875	1.768565	5.0	1285729.0	0.554844	Y
5	ICIS 410-330490/2	6.375	4.176407	5.0	903262.0	0.655123	Y
6	IC 410-330490/7	10.625	6.9153	5.0	1133880.0	0.650852	Y
7	IC 410-330490/6	17.0	10.274947	5.0	1135200.0	0.604409	Y
8	IC 410-330490/3	25.5	16.167017	5.0	1085130.0	0.634001	Y



Calibration / 1,2-Diphenylhydrazine

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

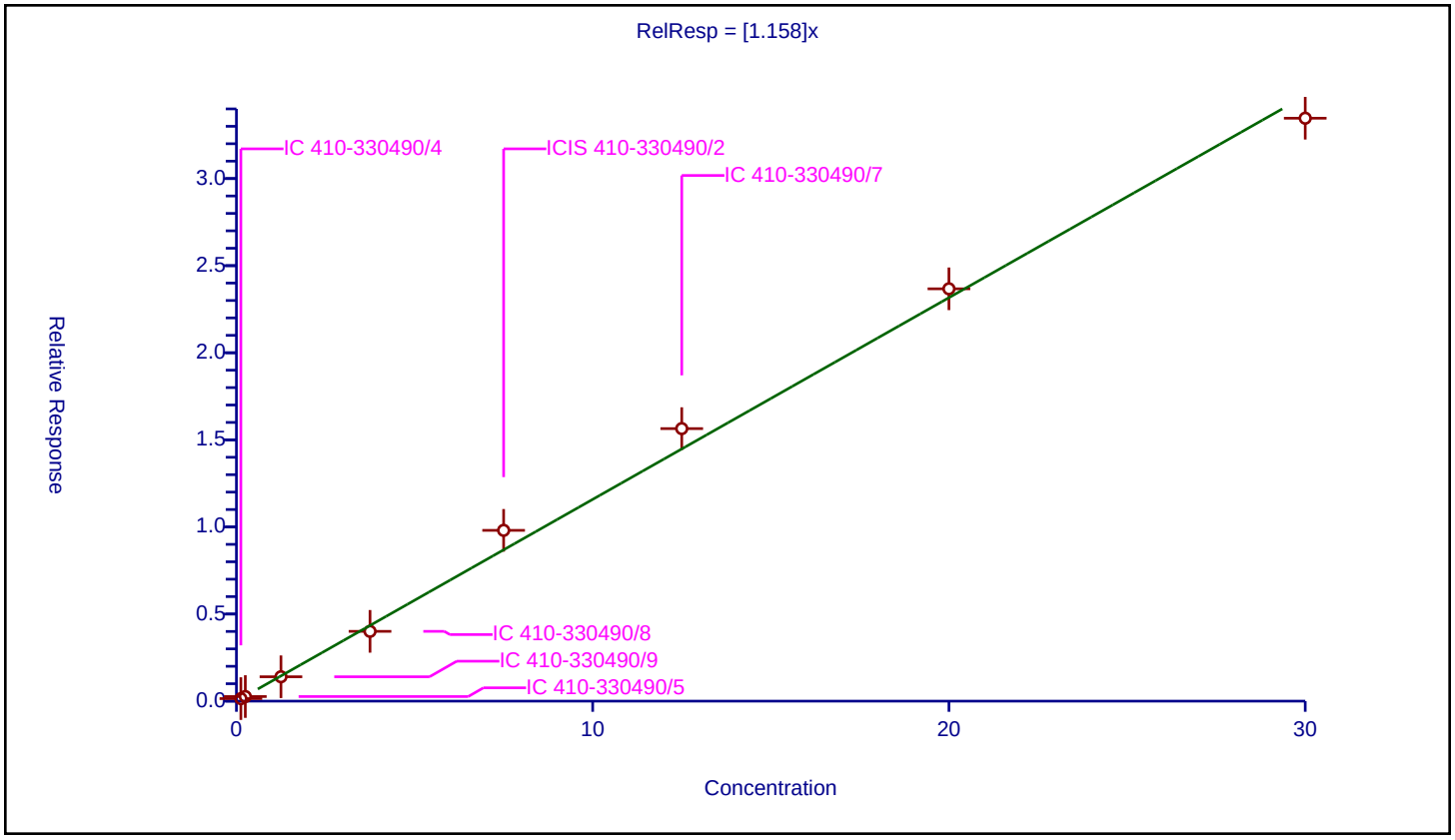
Curve Coefficients

Intercept:	0
Slope:	1.158

Error Coefficients

Standard Error:	3750000
Relative Standard Error:	7.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.145299	5.0	982391.0	1.162388	Y
2	IC 410-330490/5	0.25	0.2643	5.0	943645.0	1.057198	Y
3	IC 410-330490/9	1.25	1.399092	5.0	1113819.0	1.119273	Y
4	IC 410-330490/8	3.75	4.006672	5.0	1285729.0	1.068446	Y
5	ICIS 410-330490/2	7.5	9.805405	5.0	903262.0	1.307387	Y
6	IC 410-330490/7	12.5	15.6458	5.0	1133880.0	1.251664	Y
7	IC 410-330490/6	20.0	23.672097	5.0	1135200.0	1.183605	Y
8	IC 410-330490/3	30.0	33.465032	5.0	1085130.0	1.115501	Y



Calibration / 2,4,6-Tribromophenol

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

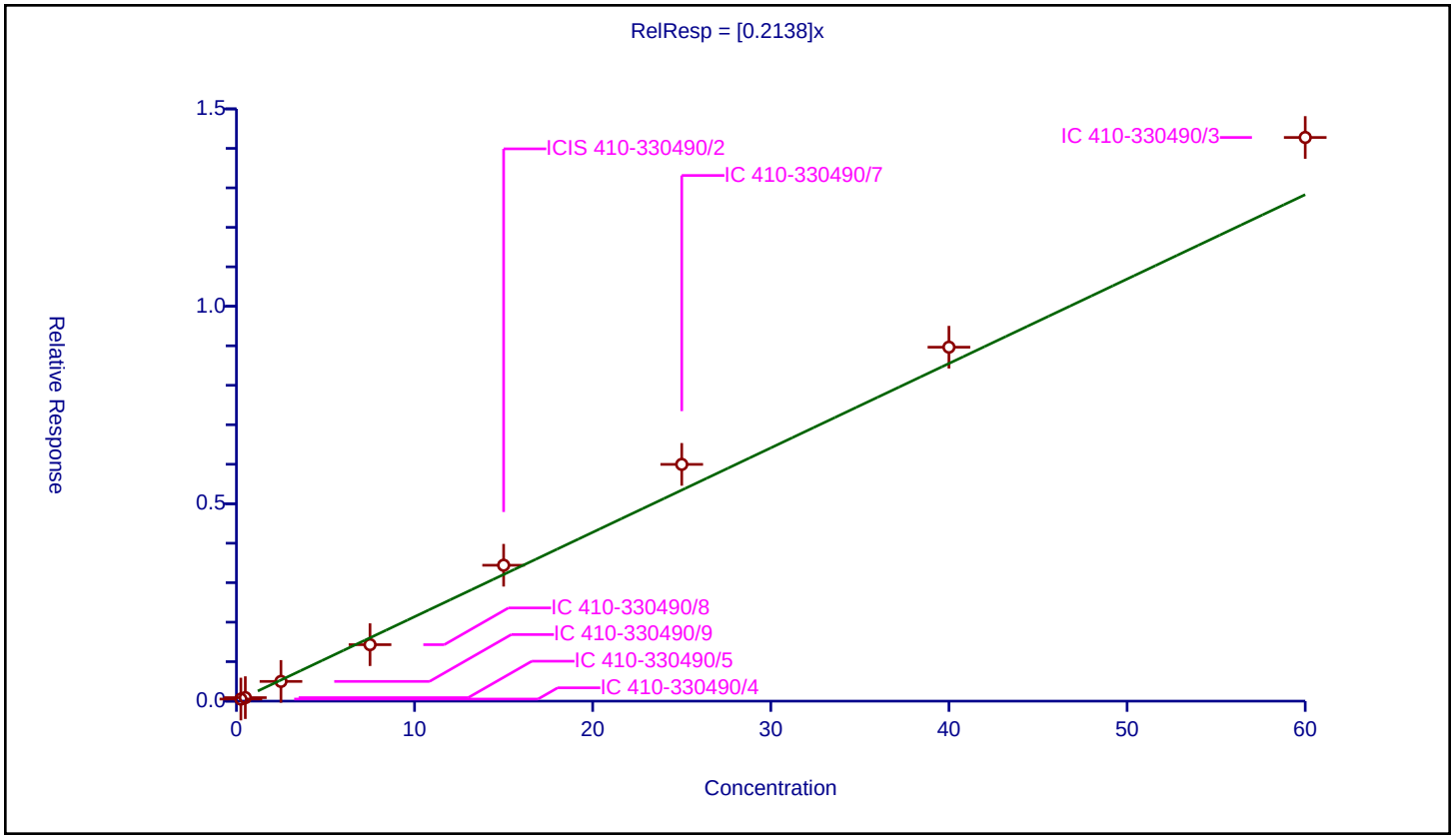
Curve Coefficients

Intercept:	0
Slope:	0.2138

Error Coefficients

Standard Error:	791000
Relative Standard Error:	10.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.25	0.052753	5.0	512295.0	0.211011	Y
2	IC 410-330490/5	0.5	0.088804	5.0	491478.0	0.177607	Y
3	IC 410-330490/9	2.5	0.49937	5.0	589352.0	0.199748	Y
4	IC 410-330490/8	7.5	1.43037	5.0	677419.0	0.190716	Y
5	ICIS 410-330490/2	15.0	3.441961	5.0	471811.0	0.229464	Y
6	IC 410-330490/7	25.0	5.99652	5.0	595658.0	0.239861	Y
7	IC 410-330490/6	40.0	8.964696	5.0	592150.0	0.224117	Y
8	IC 410-330490/3	60.0	14.276162	5.0	564139.0	0.237936	Y



Calibration / Sulfotepp

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

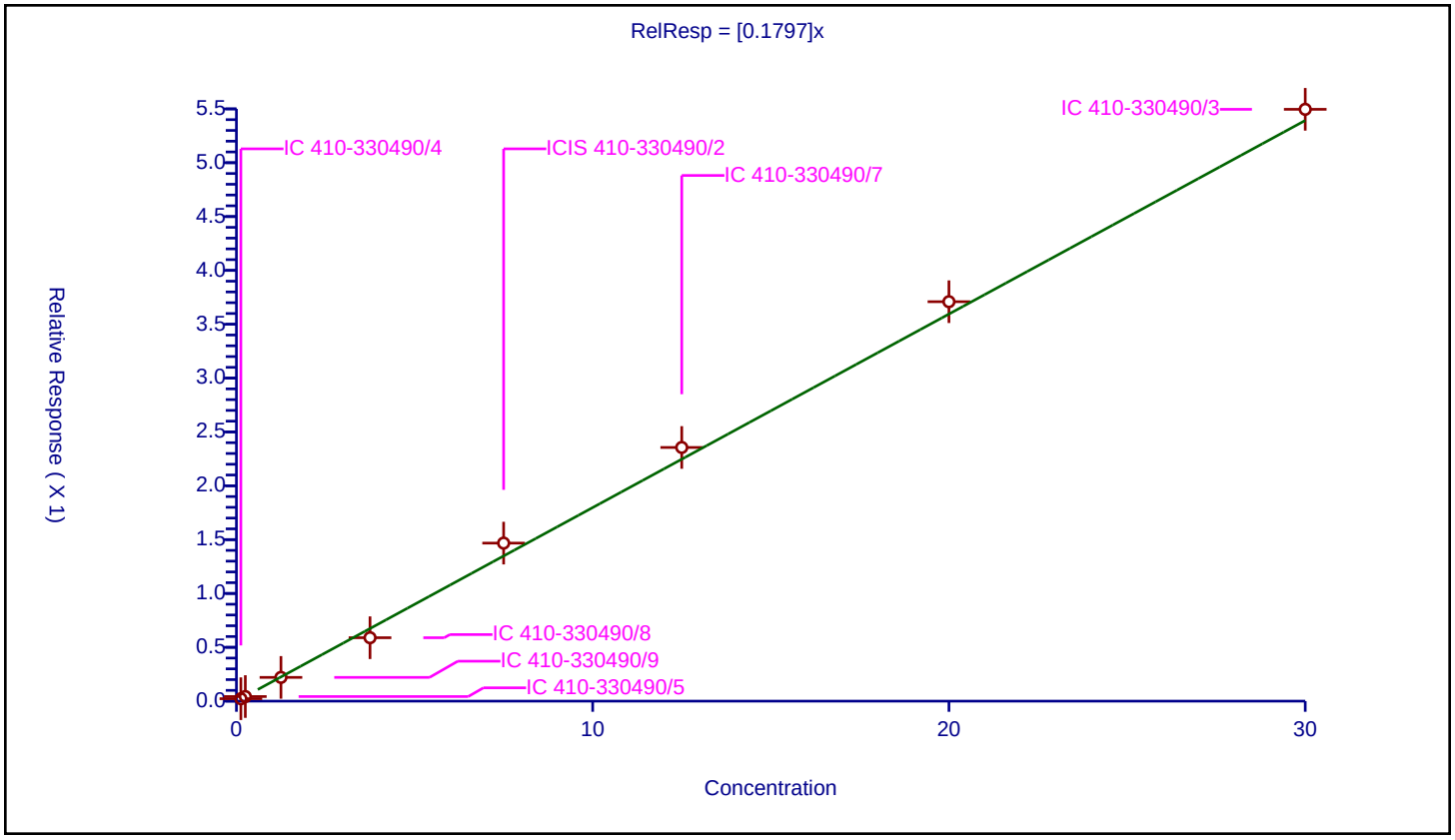
Curve Coefficients

Intercept:	0
Slope:	0.1797

Error Coefficients

Standard Error:	599000
Relative Standard Error:	6.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.022644	5.0	982391.0	0.18115	Y
2	IC 410-330490/5	0.25	0.042601	5.0	943645.0	0.170403	Y
3	IC 410-330490/9	1.25	0.220606	5.0	1113819.0	0.176485	Y
4	IC 410-330490/8	3.75	0.589082	5.0	1285729.0	0.157089	Y
5	ICIS 410-330490/2	7.5	1.467653	5.0	903262.0	0.195687	Y
6	IC 410-330490/7	12.5	2.3558	5.0	1133880.0	0.188464	Y
7	IC 410-330490/6	20.0	3.709443	5.0	1135200.0	0.185472	Y
8	IC 410-330490/3	30.0	5.495918	5.0	1085130.0	0.183197	Y



Calibration / 1,3,5-Trinitrobenzene

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

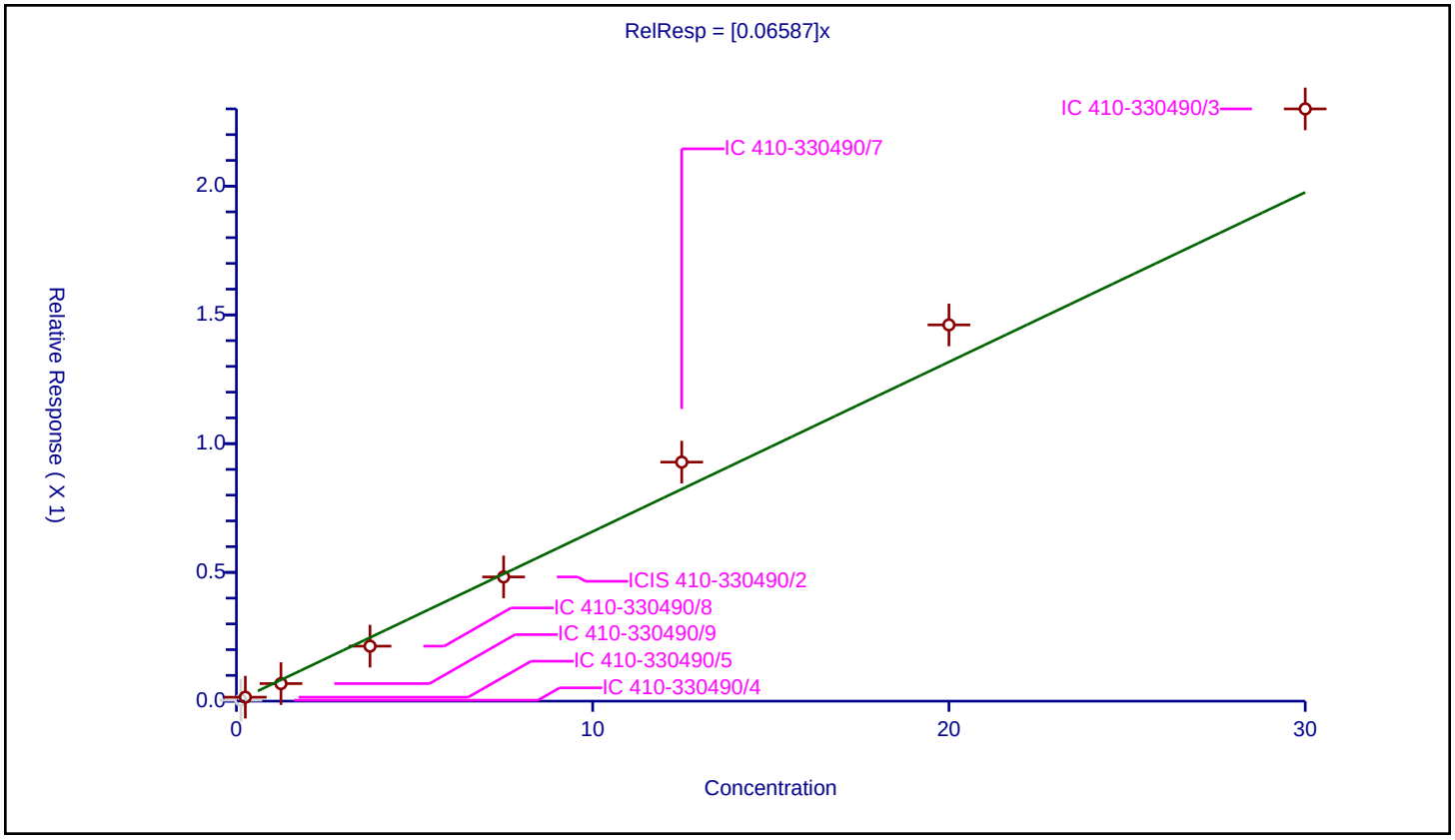
Curve Coefficients

Intercept:	0
Slope:	0.06587

Error Coefficients

Standard Error:	263000
Relative Standard Error:	13.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.003715	5.0	982391.0	0.029723	N
2	IC 410-330490/5	0.25	0.015329	5.0	943645.0	0.061315	Y
3	IC 410-330490/9	1.25	0.068162	5.0	1113819.0	0.05453	Y
4	IC 410-330490/8	3.75	0.213494	5.0	1285729.0	0.056932	Y
5	ICIS 410-330490/2	7.5	0.48233	5.0	903262.0	0.064311	Y
6	IC 410-330490/7	12.5	0.928171	5.0	1133880.0	0.074254	Y
7	IC 410-330490/6	20.0	1.461121	5.0	1135200.0	0.073056	Y
8	IC 410-330490/3	30.0	2.29989	5.0	1085130.0	0.076663	Y



Calibration / cis-Diallate

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

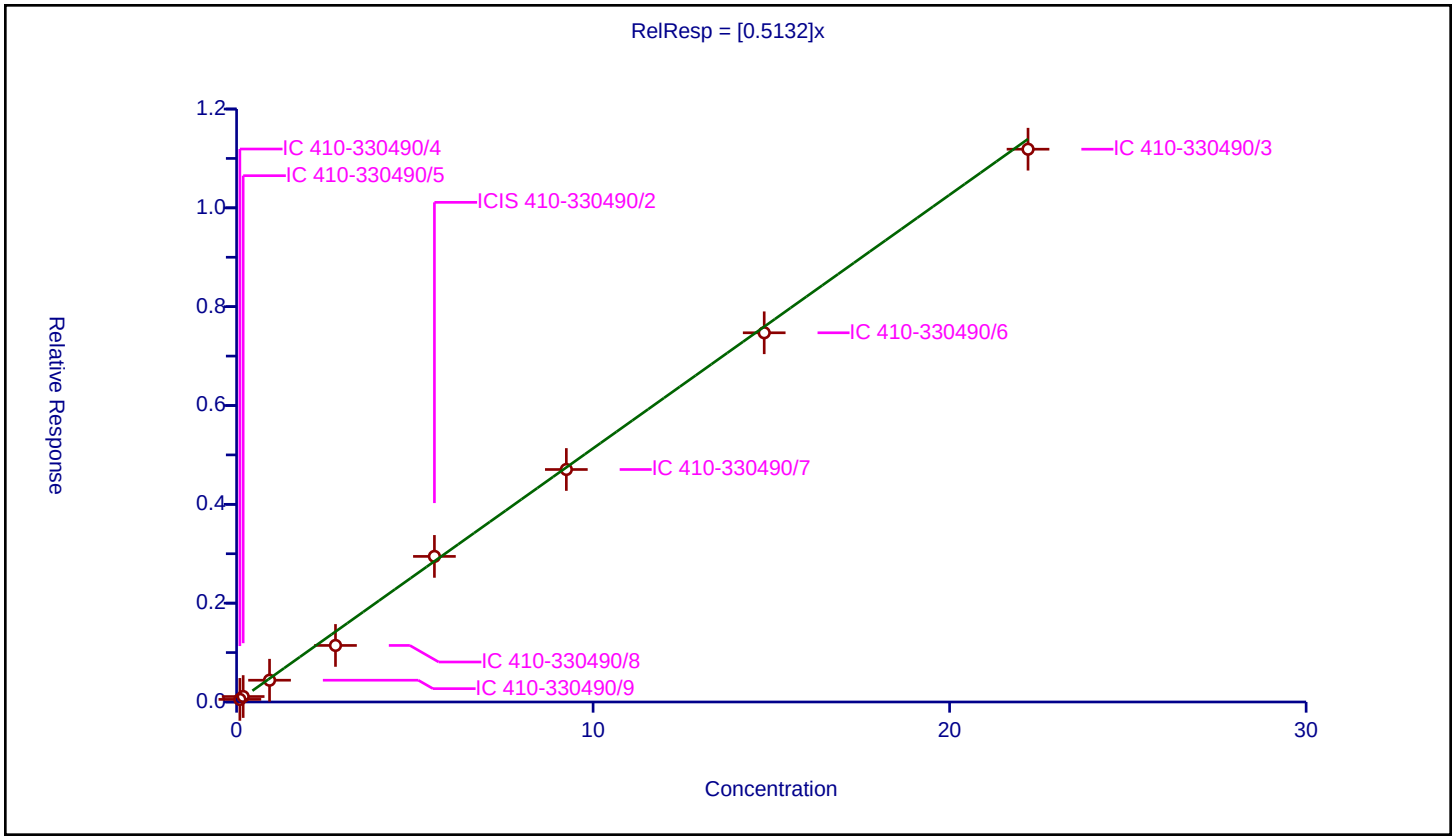
Curve Coefficients

Intercept:	0
Slope:	0.5132

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	11.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.0925	0.052871	5.0	982391.0	0.571578	Y
2	IC 410-330490/5	0.185	0.110471	5.0	943645.0	0.597138	Y
3	IC 410-330490/9	0.925	0.440467	5.0	1113819.0	0.47618	Y
4	IC 410-330490/8	2.775	1.144394	5.0	1285729.0	0.412394	Y
5	ICIS 410-330490/2	5.55	2.946183	5.0	903262.0	0.530844	Y
6	IC 410-330490/7	9.25	4.705075	5.0	1133880.0	0.508657	Y
7	IC 410-330490/6	14.8	7.471727	5.0	1135200.0	0.504846	Y
8	IC 410-330490/3	22.2	11.186641	5.0	1085130.0	0.503903	Y



Calibration / Phenacetin

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

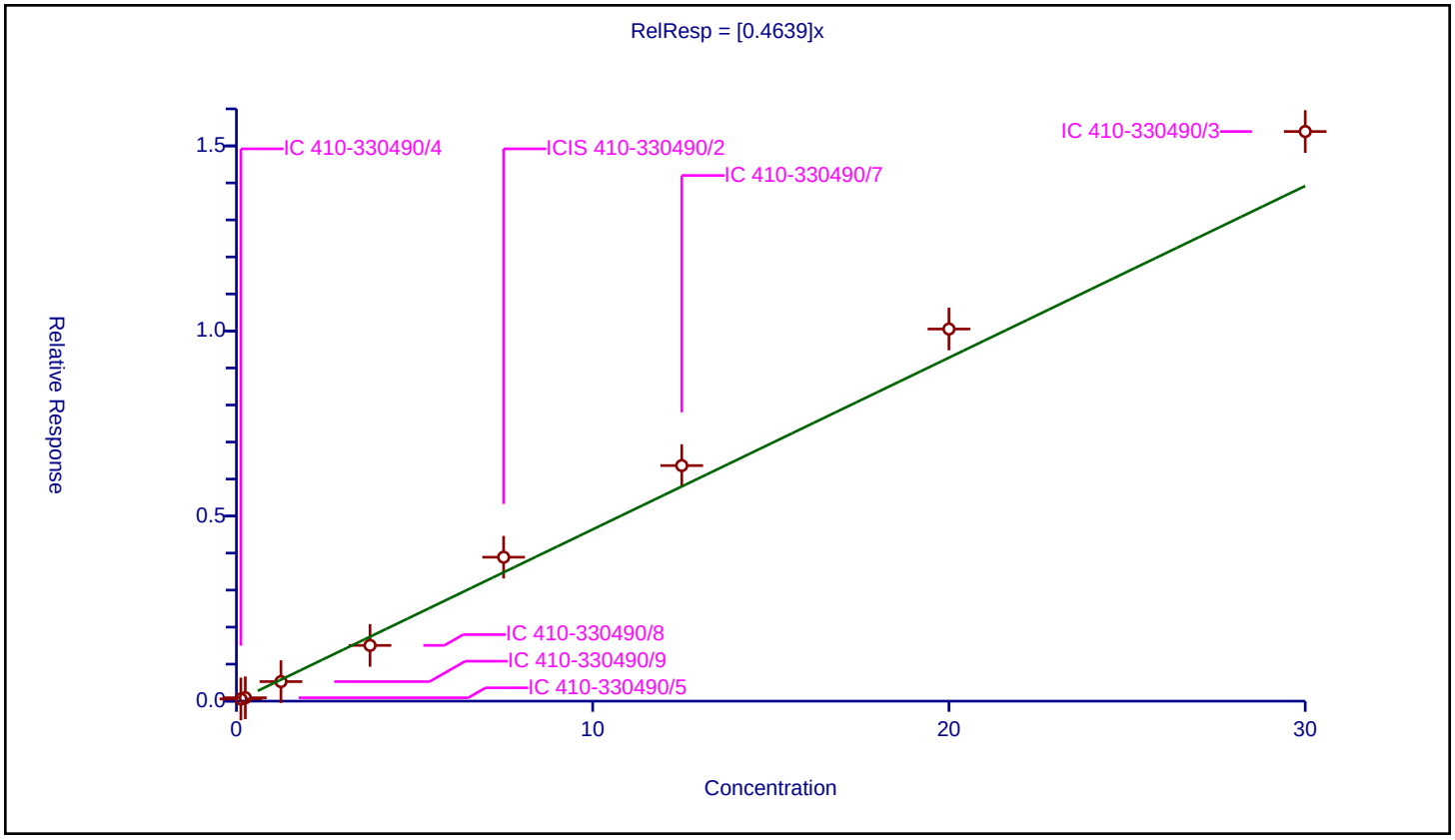
Curve Coefficients

Intercept:	0
Slope:	0.4639

Error Coefficients

Standard Error:	1650000
Relative Standard Error:	12.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.059661	5.0	982391.0	0.477285	Y
2	IC 410-330490/5	0.25	0.091899	5.0	943645.0	0.367596	Y
3	IC 410-330490/9	1.25	0.527505	5.0	1113819.0	0.422004	Y
4	IC 410-330490/8	3.75	1.505313	5.0	1285729.0	0.401417	Y
5	ICIS 410-330490/2	7.5	3.888645	5.0	903262.0	0.518486	Y
6	IC 410-330490/7	12.5	6.363628	5.0	1133880.0	0.50909	Y
7	IC 410-330490/6	20.0	10.05274	5.0	1135200.0	0.502637	Y
8	IC 410-330490/3	30.0	15.388189	5.0	1085130.0	0.51294	Y



Calibration / Phorate

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

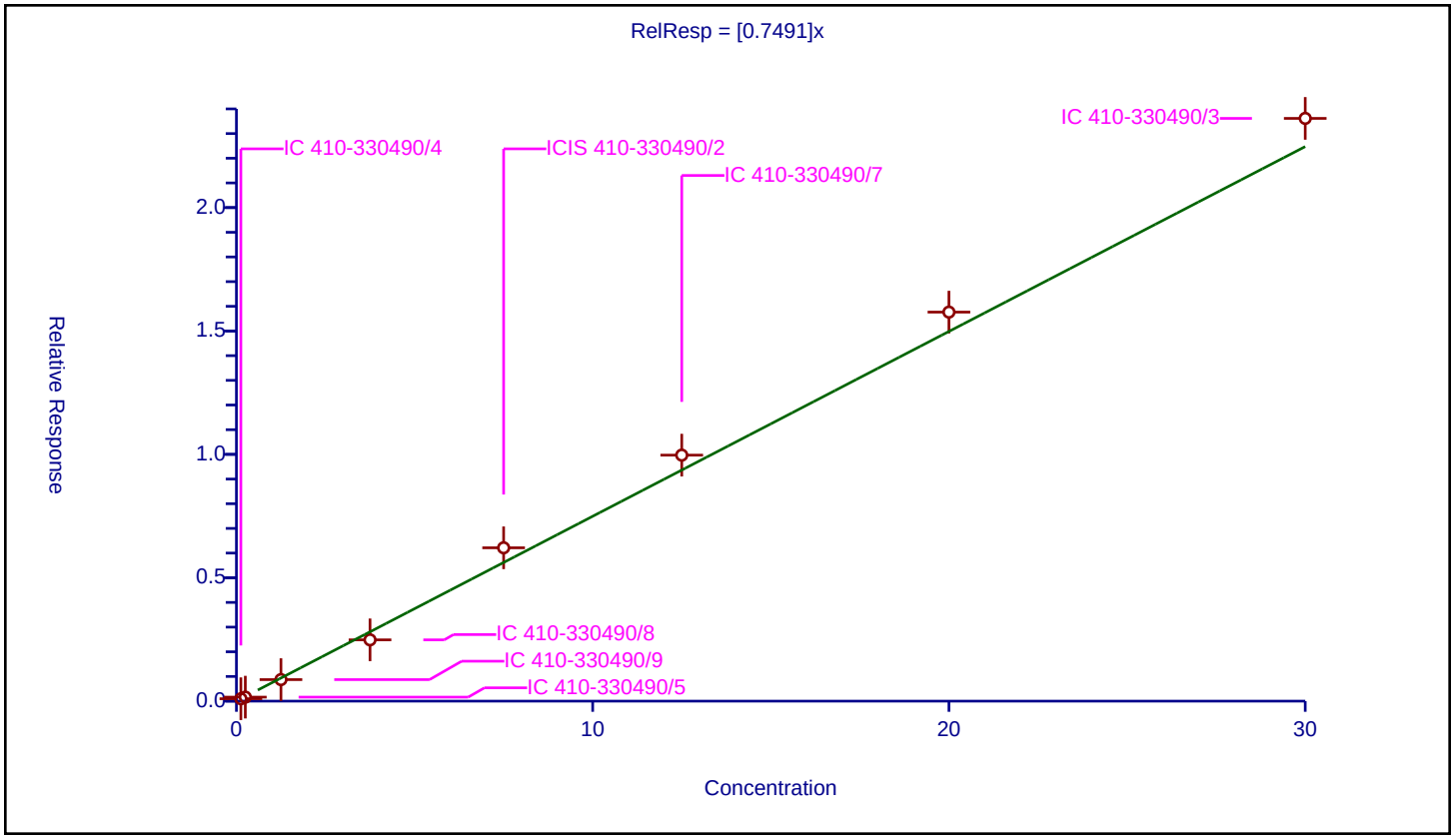
Curve Coefficients

Intercept:	0
Slope:	0.7491

Error Coefficients

Standard Error:	2560000
Relative Standard Error:	9.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.097568	5.0	982391.0	0.780545	Y
2	IC 410-330490/5	0.25	0.162503	5.0	943645.0	0.650011	Y
3	IC 410-330490/9	1.25	0.87279	5.0	1113819.0	0.698232	Y
4	IC 410-330490/8	3.75	2.483976	5.0	1285729.0	0.662394	Y
5	ICIS 410-330490/2	7.5	6.214028	5.0	903262.0	0.828537	Y
6	IC 410-330490/7	12.5	9.969168	5.0	1133880.0	0.797533	Y
7	IC 410-330490/6	20.0	15.764865	5.0	1135200.0	0.788243	Y
8	IC 410-330490/3	30.0	23.615134	5.0	1085130.0	0.787171	Y



Calibration / 4-Bromophenyl phenyl ether

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

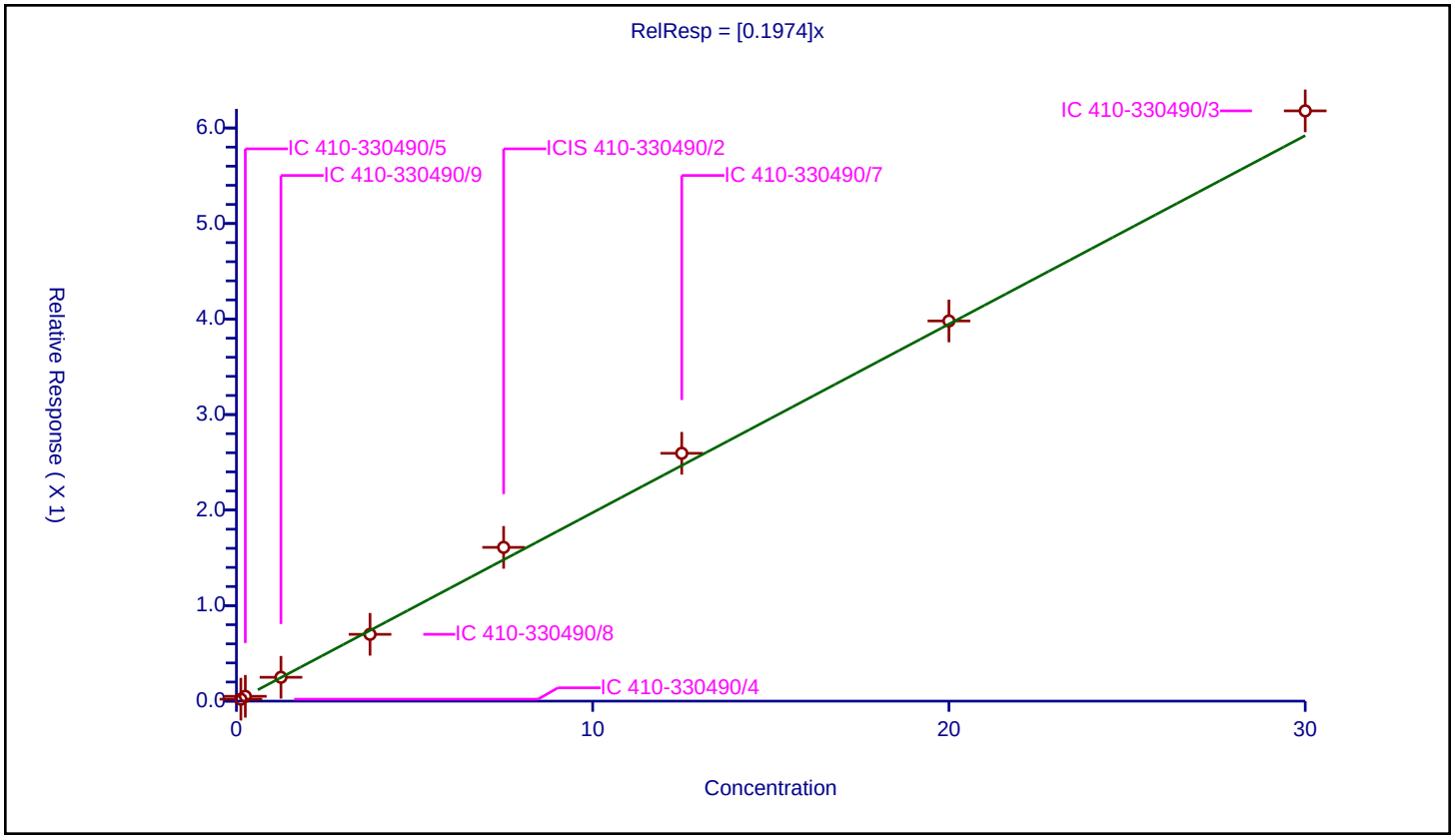
Curve Coefficients

Intercept:	0
Slope:	0.1974

Error Coefficients

Standard Error:	663000
Relative Standard Error:	8.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.02042	5.0	982391.0	0.163357	Y
2	IC 410-330490/5	0.25	0.050517	5.0	943645.0	0.202068	Y
3	IC 410-330490/9	1.25	0.249641	5.0	1113819.0	0.199713	Y
4	IC 410-330490/8	3.75	0.699409	5.0	1285729.0	0.186509	Y
5	ICIS 410-330490/2	7.5	1.609649	5.0	903262.0	0.21462	Y
6	IC 410-330490/7	12.5	2.594644	5.0	1133880.0	0.207572	Y
7	IC 410-330490/6	20.0	3.980048	5.0	1135200.0	0.199002	Y
8	IC 410-330490/3	30.0	6.179333	5.0	1085130.0	0.205978	Y



Calibration / trans-Diallate

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

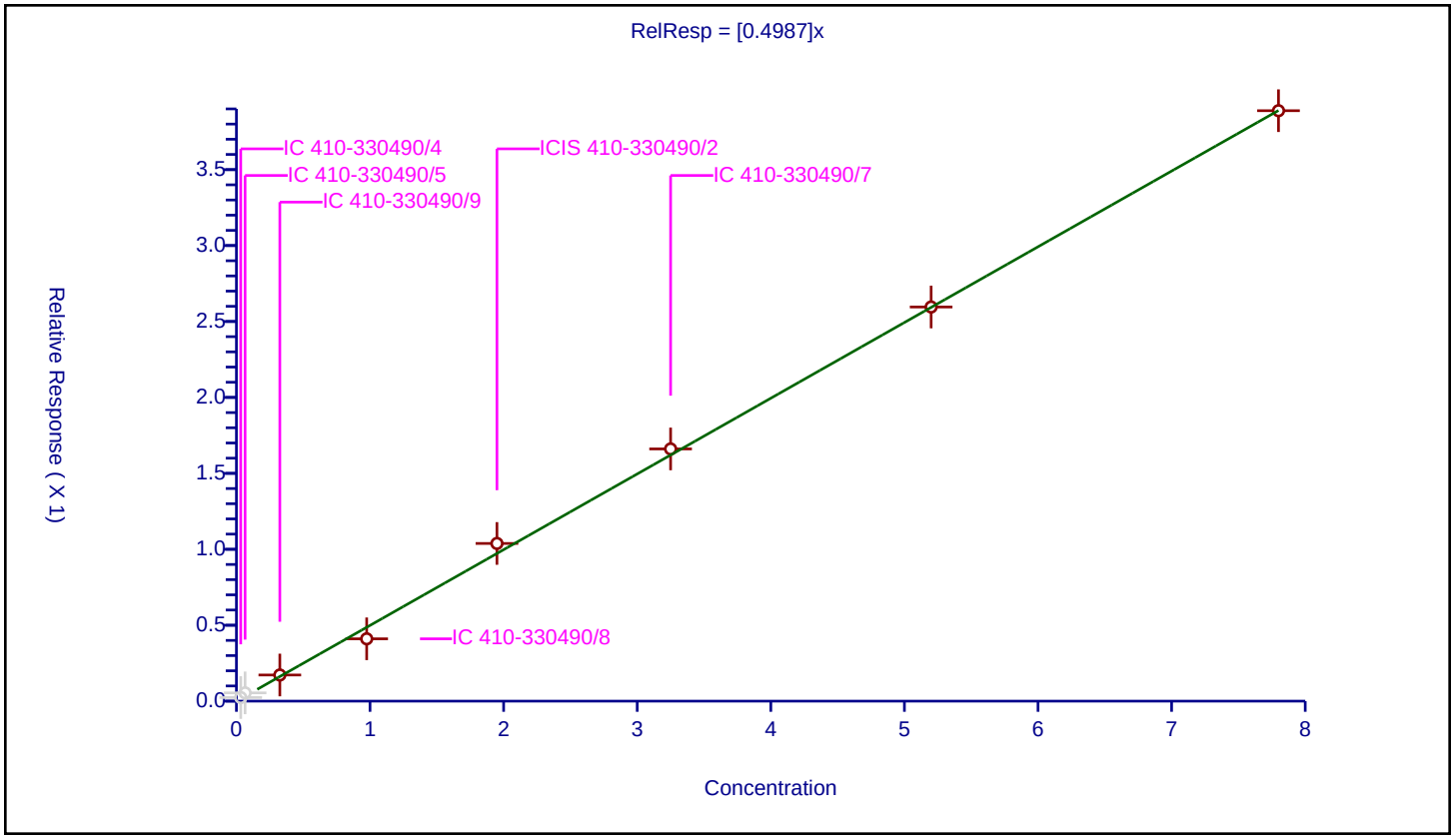
Curve Coefficients

Intercept:	0
Slope:	0.4987

Error Coefficients

Standard Error:	500000
Relative Standard Error:	8.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.0325	0.023509	5.0	982391.0	0.723353	N
2	IC 410-330490/5	0.065	0.054406	5.0	943645.0	0.837016	N
3	IC 410-330490/9	0.325	0.172178	5.0	1113819.0	0.529778	Y
4	IC 410-330490/8	0.975	0.410561	5.0	1285729.0	0.421088	Y
5	ICIS 410-330490/2	1.95	1.038348	5.0	903262.0	0.532486	Y
6	IC 410-330490/7	3.25	1.660784	5.0	1133880.0	0.511011	Y
7	IC 410-330490/6	5.2	2.595529	5.0	1135200.0	0.49914	Y
8	IC 410-330490/3	7.8	3.888004	5.0	1085130.0	0.498462	Y



Calibration / Hexachlorobenzene

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

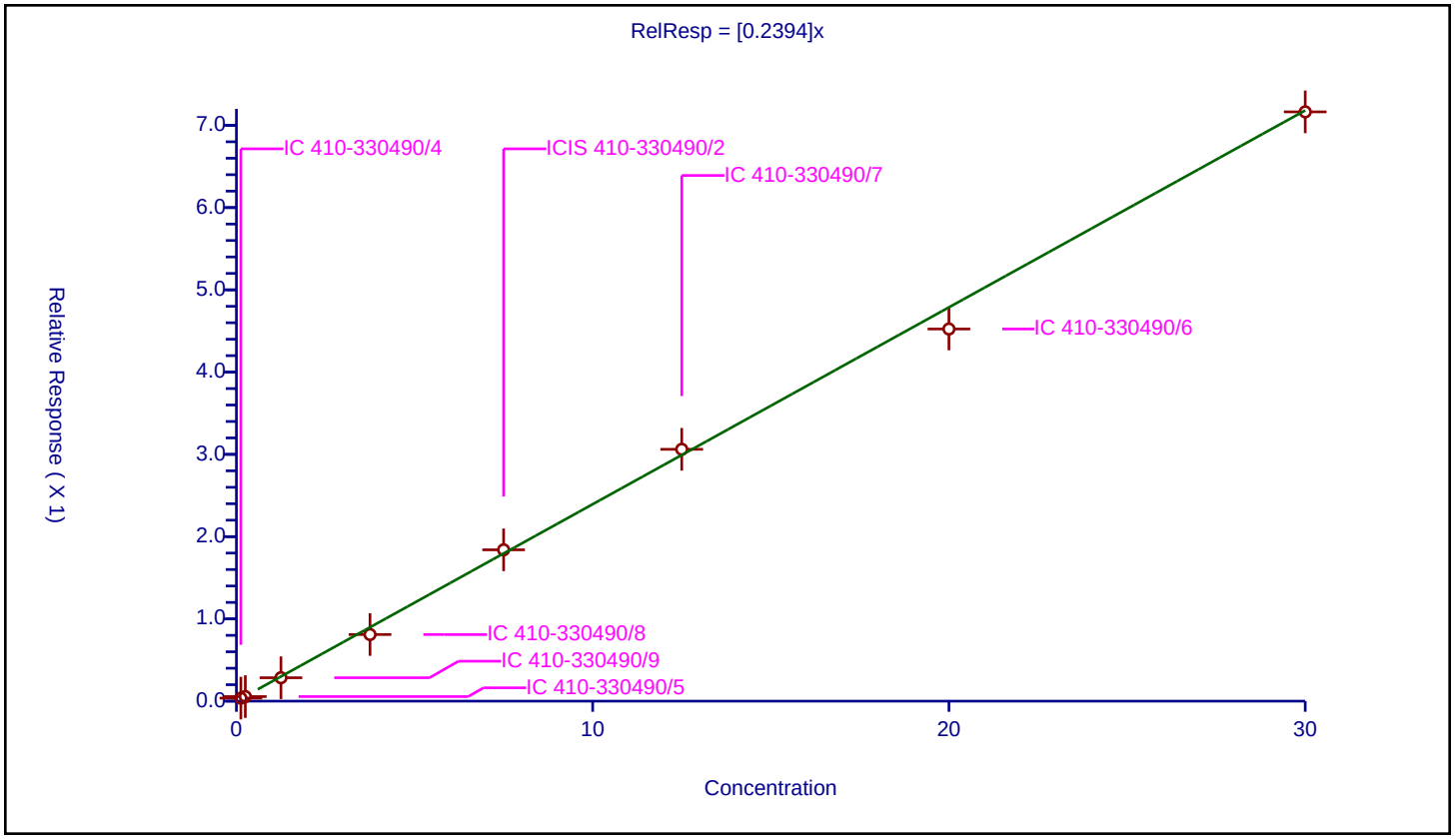
Curve Coefficients

Intercept:	0
Slope:	0.2394

Error Coefficients

Standard Error:	766000
Relative Standard Error:	10.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.036696	5.0	982391.0	0.293569	Y
2	IC 410-330490/5	0.25	0.055688	5.0	943645.0	0.222753	Y
3	IC 410-330490/9	1.25	0.284458	5.0	1113819.0	0.227567	Y
4	IC 410-330490/8	3.75	0.809965	5.0	1285729.0	0.215991	Y
5	ICIS 410-330490/2	7.5	1.839533	5.0	903262.0	0.245271	Y
6	IC 410-330490/7	12.5	3.061554	5.0	1133880.0	0.244924	Y
7	IC 410-330490/6	20.0	4.524097	5.0	1135200.0	0.226205	Y
8	IC 410-330490/3	30.0	7.163745	5.0	1085130.0	0.238792	Y



Calibration / Dimethoate

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

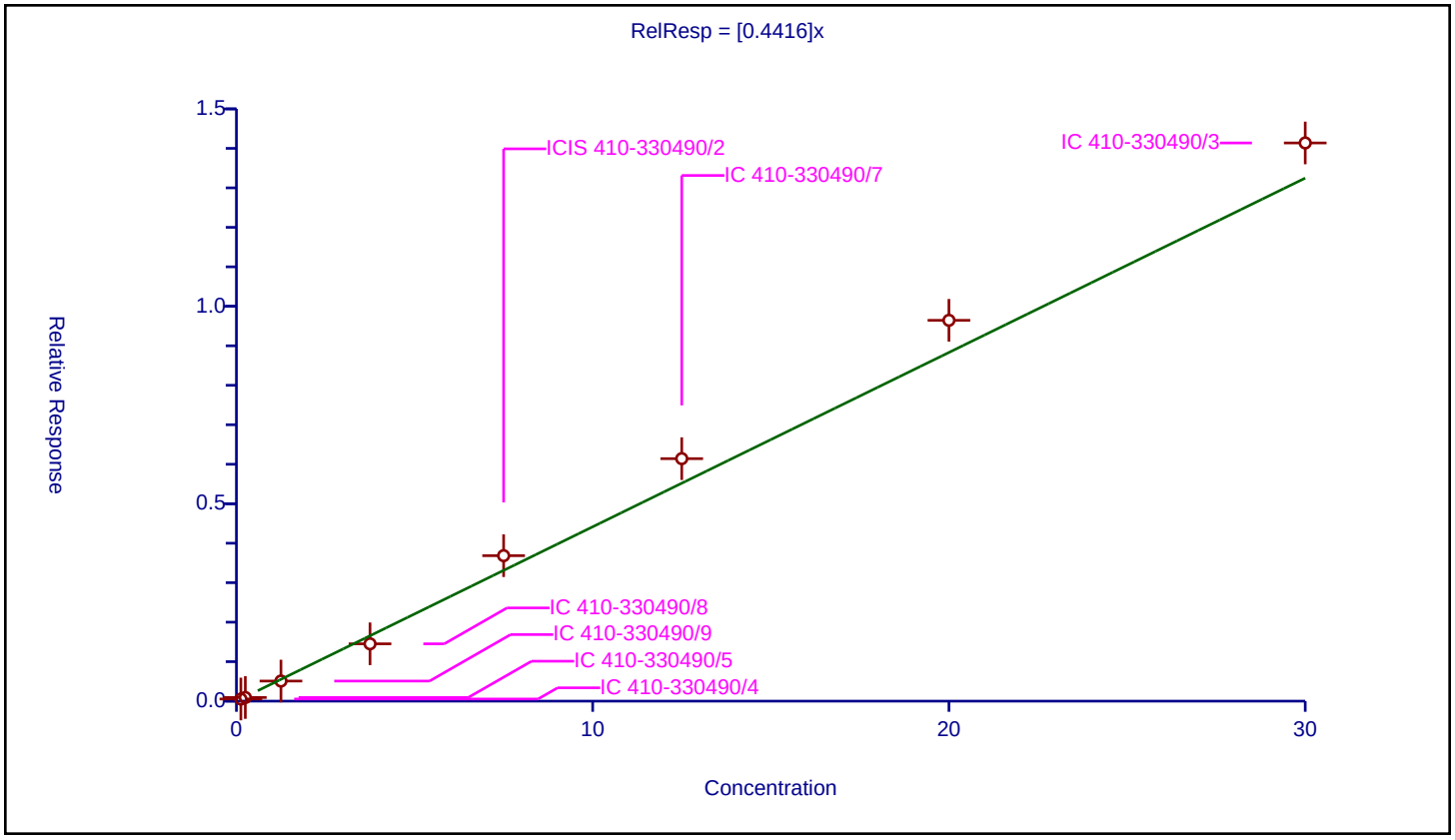
Curve Coefficients

Intercept:	0
Slope:	0.4416

Error Coefficients

Standard Error:	1550000
Relative Standard Error:	11.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.054169	5.0	982391.0	0.433351	Y
2	IC 410-330490/5	0.25	0.09218	5.0	943645.0	0.368719	Y
3	IC 410-330490/9	1.25	0.509014	5.0	1113819.0	0.407212	Y
4	IC 410-330490/8	3.75	1.452024	5.0	1285729.0	0.387207	Y
5	ICIS 410-330490/2	7.5	3.684025	5.0	903262.0	0.491203	Y
6	IC 410-330490/7	12.5	6.141915	5.0	1133880.0	0.491353	Y
7	IC 410-330490/6	20.0	9.644996	5.0	1135200.0	0.48225	Y
8	IC 410-330490/3	30.0	14.137431	5.0	1085130.0	0.471248	Y



Calibration / Atrazine

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

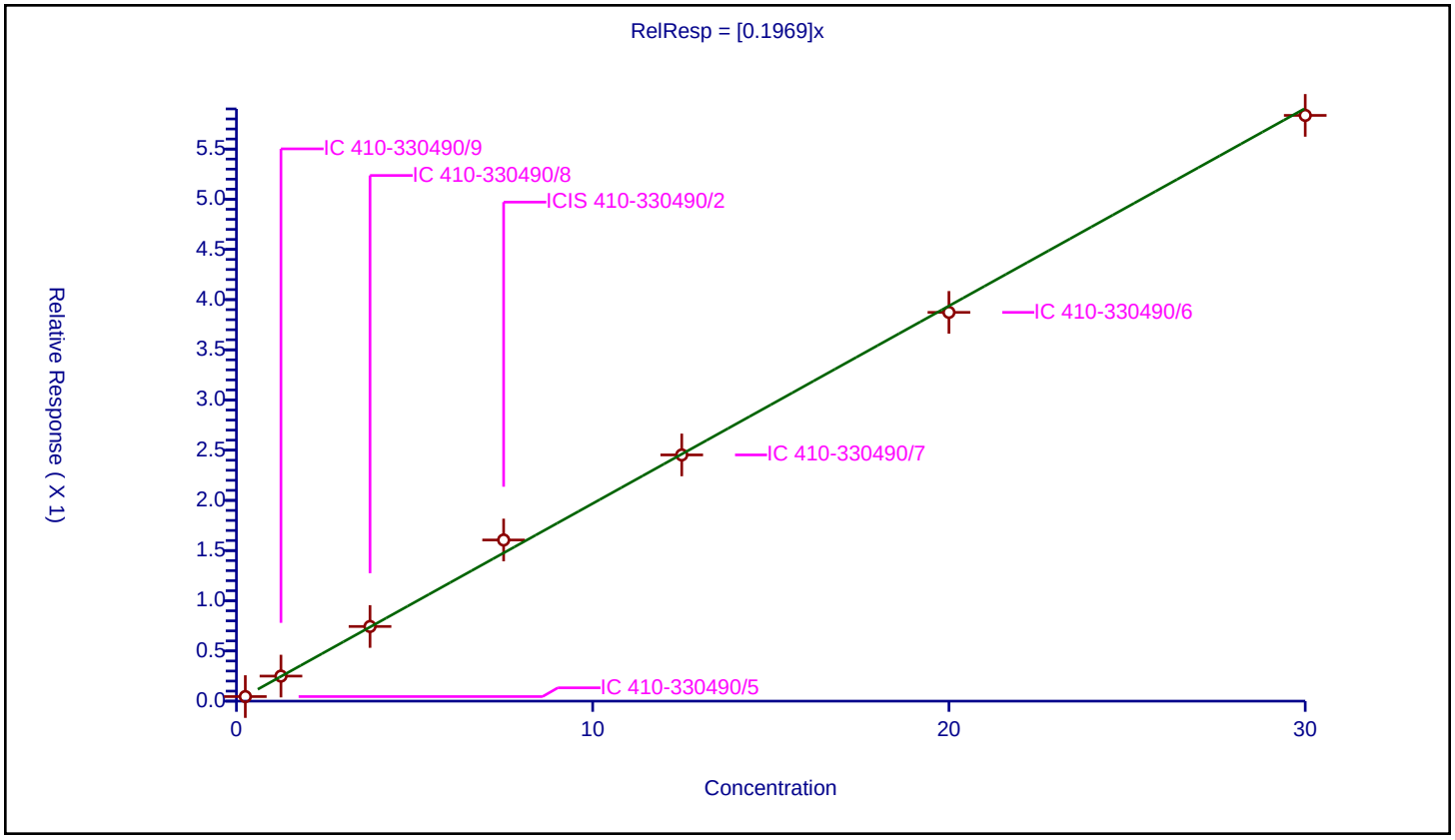
Curve Coefficients

Intercept:	0
Slope:	0.1969

Error Coefficients

Standard Error:	684000
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 410-330490/5	0.25	0.045409	5.0	943645.0	0.181636	Y
2	IC 410-330490/9	1.25	0.249462	5.0	1113819.0	0.199569	Y
3	IC 410-330490/8	3.75	0.743745	5.0	1285729.0	0.198332	Y
4	ICIS 410-330490/2	7.5	1.605415	5.0	903262.0	0.214055	Y
5	IC 410-330490/7	12.5	2.452857	5.0	1133880.0	0.196229	Y
6	IC 410-330490/6	20.0	3.872886	5.0	1135200.0	0.193644	Y
7	IC 410-330490/3	30.0	5.835158	5.0	1085130.0	0.194505	Y



Calibration / Pentachlorophenol

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

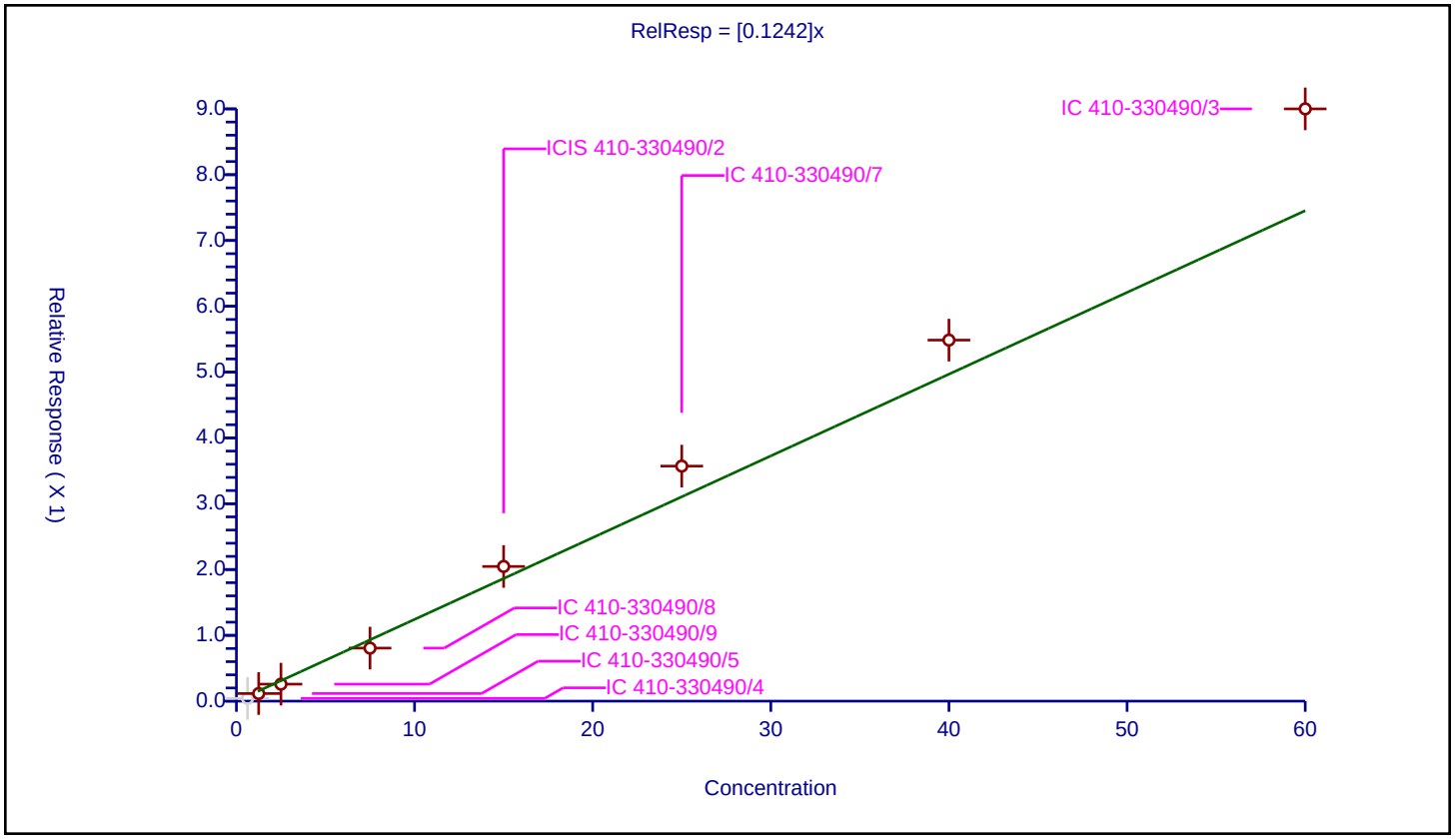
Curve Coefficients

Intercept:	0
Slope:	0.1242

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	18.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.625	0.041918	5.0	982391.0	0.067069	N
2	IC 410-330490/5	1.25	0.115382	5.0	943645.0	0.092306	Y
3	IC 410-330490/9	2.5	0.258256	5.0	1113819.0	0.103302	Y
4	IC 410-330490/8	7.5	0.805971	5.0	1285729.0	0.107463	Y
5	ICIS 410-330490/2	15.0	2.046505	5.0	903262.0	0.136434	Y
6	IC 410-330490/7	25.0	3.571595	5.0	1133880.0	0.142864	Y
7	IC 410-330490/6	40.0	5.486557	5.0	1135200.0	0.137164	Y
8	IC 410-330490/3	60.0	8.99988	5.0	1085130.0	0.149998	Y



Calibration / 4-Aminobiphenyl

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

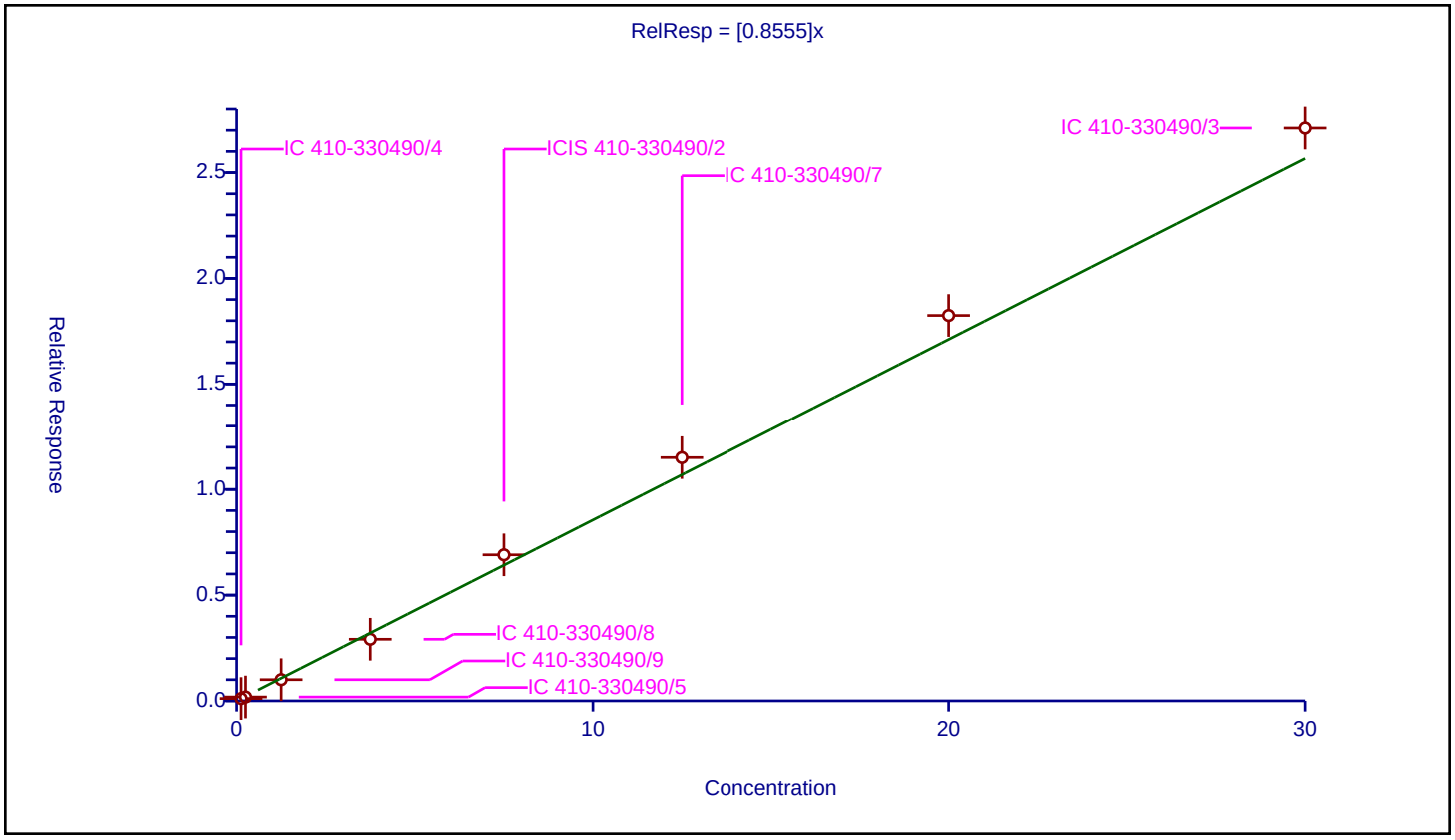
Curve Coefficients

Intercept:	0
Slope:	0.8555

Error Coefficients

Standard Error:	2950000
Relative Standard Error:	8.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.109783	5.0	982391.0	0.878265	Y
2	IC 410-330490/5	0.25	0.182648	5.0	943645.0	0.730593	Y
3	IC 410-330490/9	1.25	1.001743	5.0	1113819.0	0.801394	Y
4	IC 410-330490/8	3.75	2.913094	5.0	1285729.0	0.776825	Y
5	ICIS 410-330490/2	7.5	6.905433	5.0	903262.0	0.920724	Y
6	IC 410-330490/7	12.5	11.508436	5.0	1133880.0	0.920675	Y
7	IC 410-330490/6	20.0	18.24449	5.0	1135200.0	0.912224	Y
8	IC 410-330490/3	30.0	27.104978	5.0	1085130.0	0.903499	Y



Calibration / Pentachloronitrobenzene

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

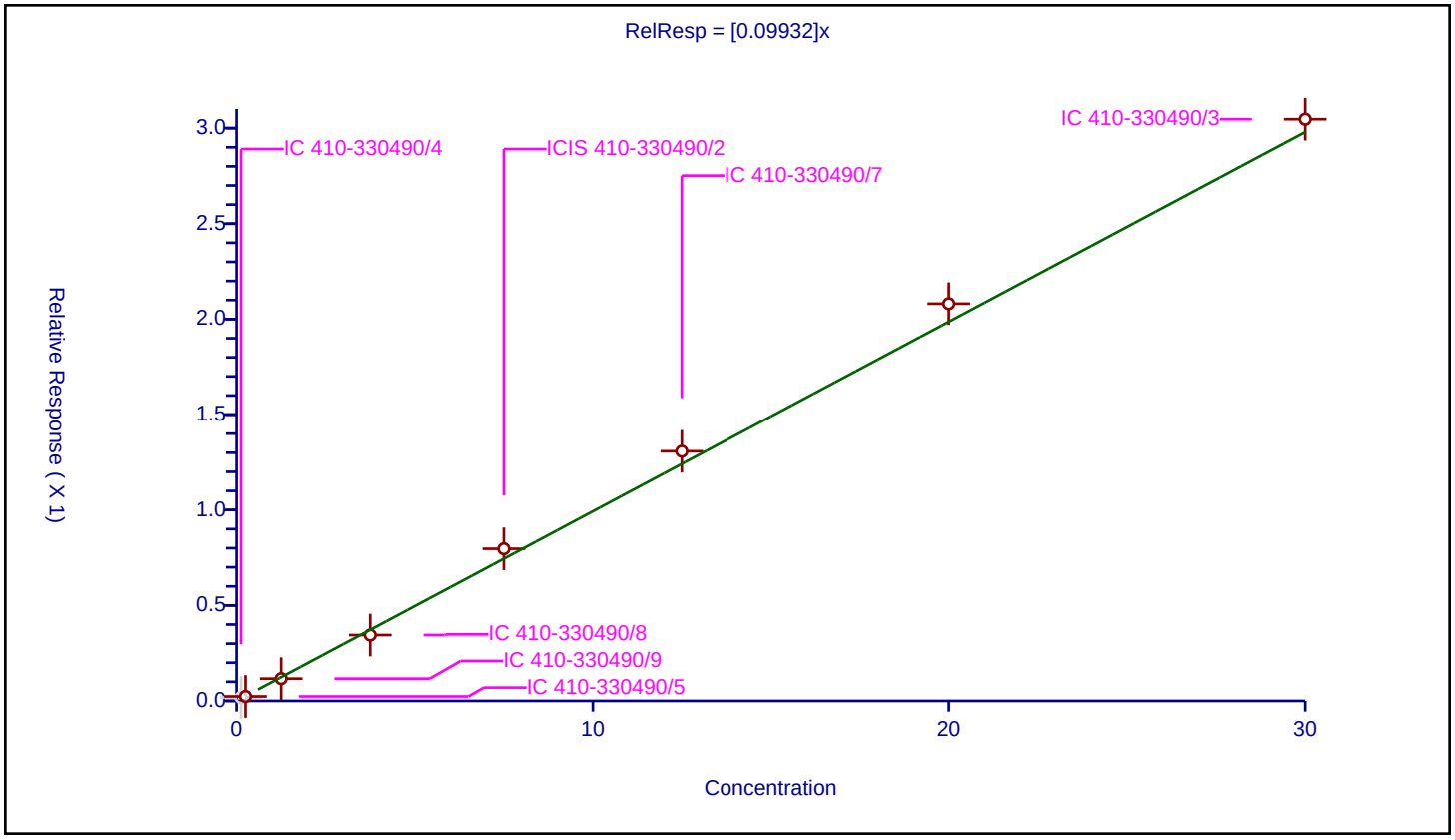
Curve Coefficients

Intercept:	0
Slope:	0.09932

Error Coefficients

Standard Error:	360000
Relative Standard Error:	6.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.017798	5.0	982391.0	0.142387	N
2	IC 410-330490/5	0.25	0.023362	5.0	943645.0	0.093446	Y
3	IC 410-330490/9	1.25	0.116648	5.0	1113819.0	0.093319	Y
4	IC 410-330490/8	3.75	0.344921	5.0	1285729.0	0.091979	Y
5	ICIS 410-330490/2	7.5	0.796873	5.0	903262.0	0.10625	Y
6	IC 410-330490/7	12.5	1.307766	5.0	1133880.0	0.104621	Y
7	IC 410-330490/6	20.0	2.081021	5.0	1135200.0	0.104051	Y
8	IC 410-330490/3	30.0	3.046755	5.0	1085130.0	0.101558	Y



Calibration / Pronamide

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

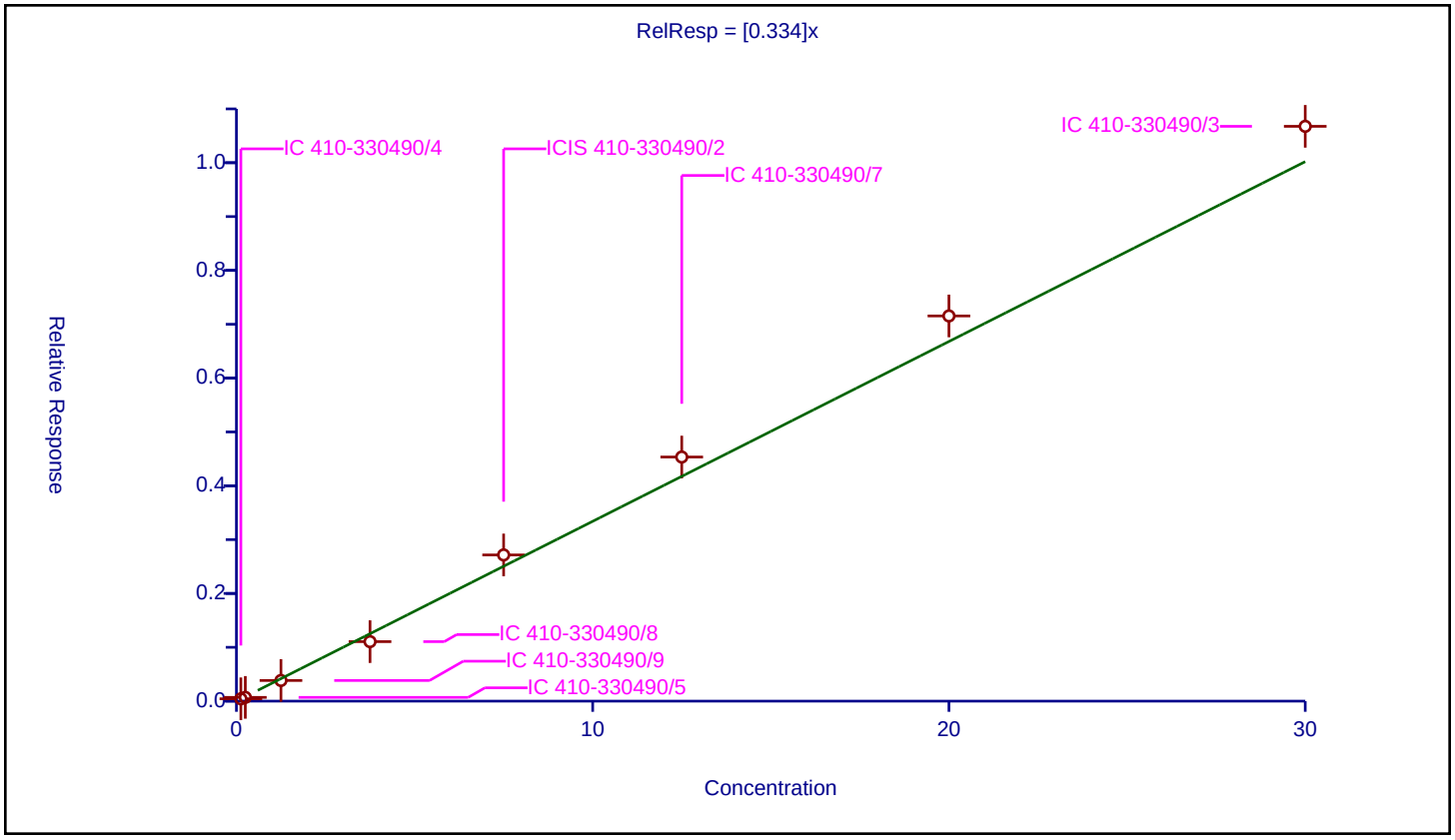
Curve Coefficients

Intercept:	0
Slope:	0.334

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	10.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.043995	5.0	982391.0	0.351958	Y
2	IC 410-330490/5	0.25	0.070037	5.0	943645.0	0.280148	Y
3	IC 410-330490/9	1.25	0.383509	5.0	1113819.0	0.306807	Y
4	IC 410-330490/8	3.75	1.105276	5.0	1285729.0	0.29474	Y
5	ICIS 410-330490/2	7.5	2.71574	5.0	903262.0	0.362099	Y
6	IC 410-330490/7	12.5	4.533915	5.0	1133880.0	0.362713	Y
7	IC 410-330490/6	20.0	7.15455	5.0	1135200.0	0.357727	Y
8	IC 410-330490/3	30.0	10.675924	5.0	1085130.0	0.355864	Y



Calibration / Dinoseb

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

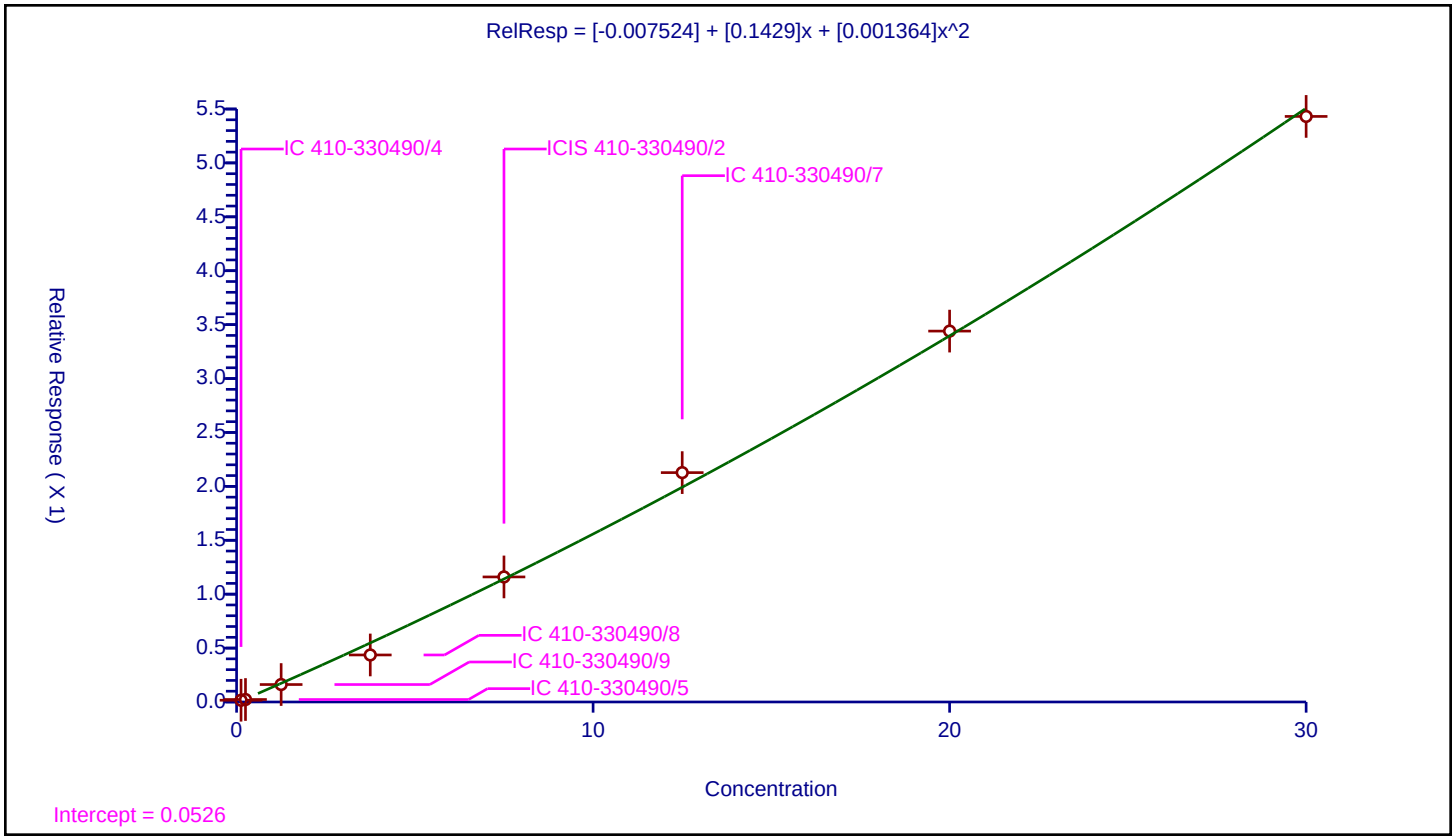
Curve Coefficients

Intercept:	-0.007524
Slope:	0.1429
Second Order:	0.001364

Error Coefficients

Standard Error:	677000
Relative Standard Error:	18.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.016246	5.0	982391.0	0.129969	Y
2	IC 410-330490/5	0.25	0.022969	5.0	943645.0	0.091878	Y
3	IC 410-330490/9	1.25	0.161844	5.0	1113819.0	0.129475	Y
4	IC 410-330490/8	3.75	0.436212	5.0	1285729.0	0.116323	Y
5	ICIS 410-330490/2	7.5	1.15983	5.0	903262.0	0.154644	Y
6	IC 410-330490/7	12.5	2.127456	5.0	1133880.0	0.170196	Y
7	IC 410-330490/6	20.0	3.440165	5.0	1135200.0	0.172008	Y
8	IC 410-330490/3	30.0	5.431358	5.0	1085130.0	0.181045	Y



Calibration / Disulfoton

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

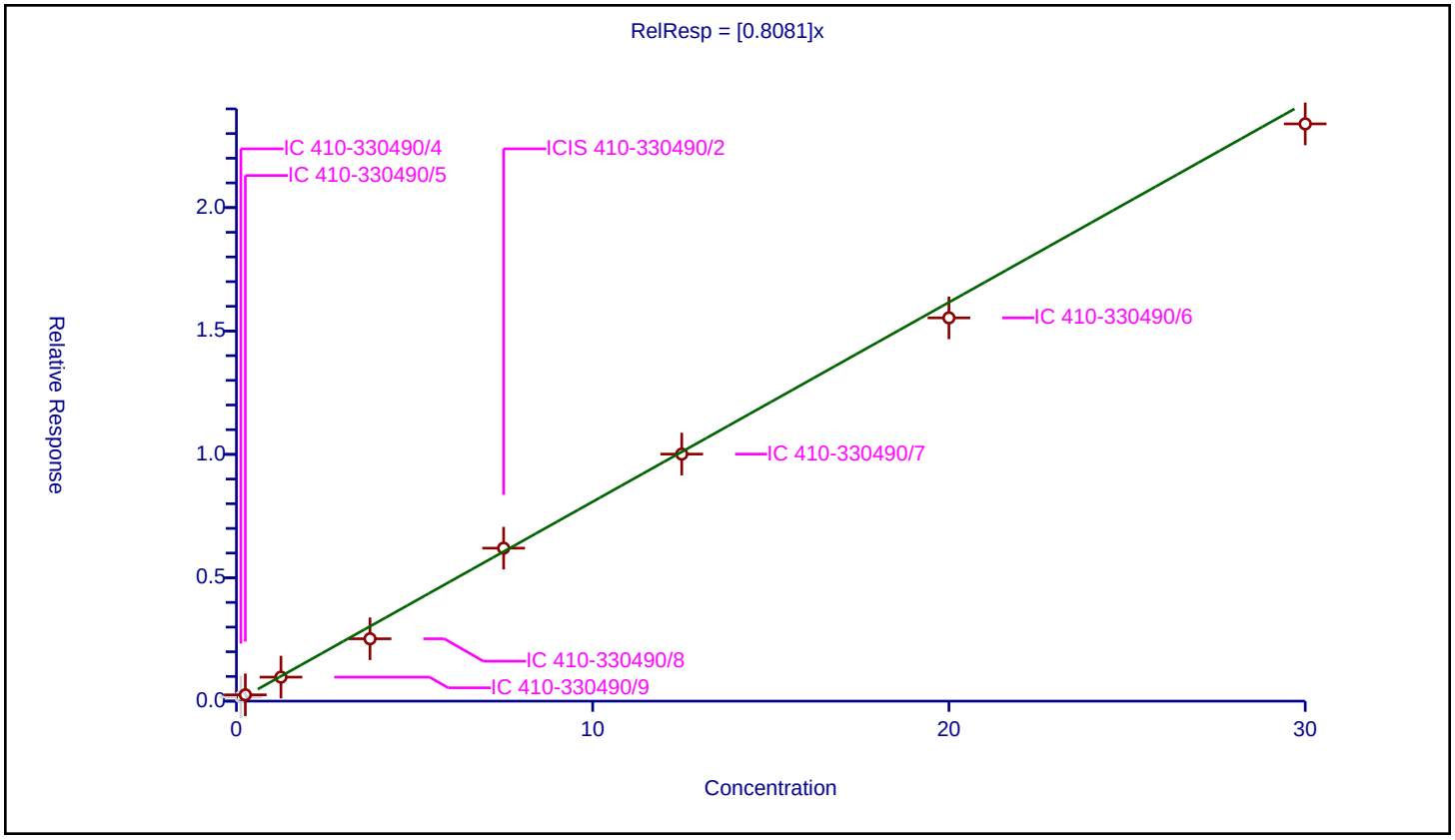
Curve Coefficients

Intercept:	0
Slope:	0.8081

Error Coefficients

Standard Error:	2740000
Relative Standard Error:	13.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.172116	5.0	982391.0	1.376926	N
2	IC 410-330490/5	0.25	0.255218	5.0	943645.0	1.020871	Y
3	IC 410-330490/9	1.25	0.972582	5.0	1113819.0	0.778065	Y
4	IC 410-330490/8	3.75	2.526971	5.0	1285729.0	0.673859	Y
5	ICIS 410-330490/2	7.5	6.199375	5.0	903262.0	0.826583	Y
6	IC 410-330490/7	12.5	10.01139	5.0	1133880.0	0.800911	Y
7	IC 410-330490/6	20.0	15.531466	5.0	1135200.0	0.776573	Y
8	IC 410-330490/3	30.0	23.392027	5.0	1085130.0	0.779734	Y



Calibration / Phenanthrene

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

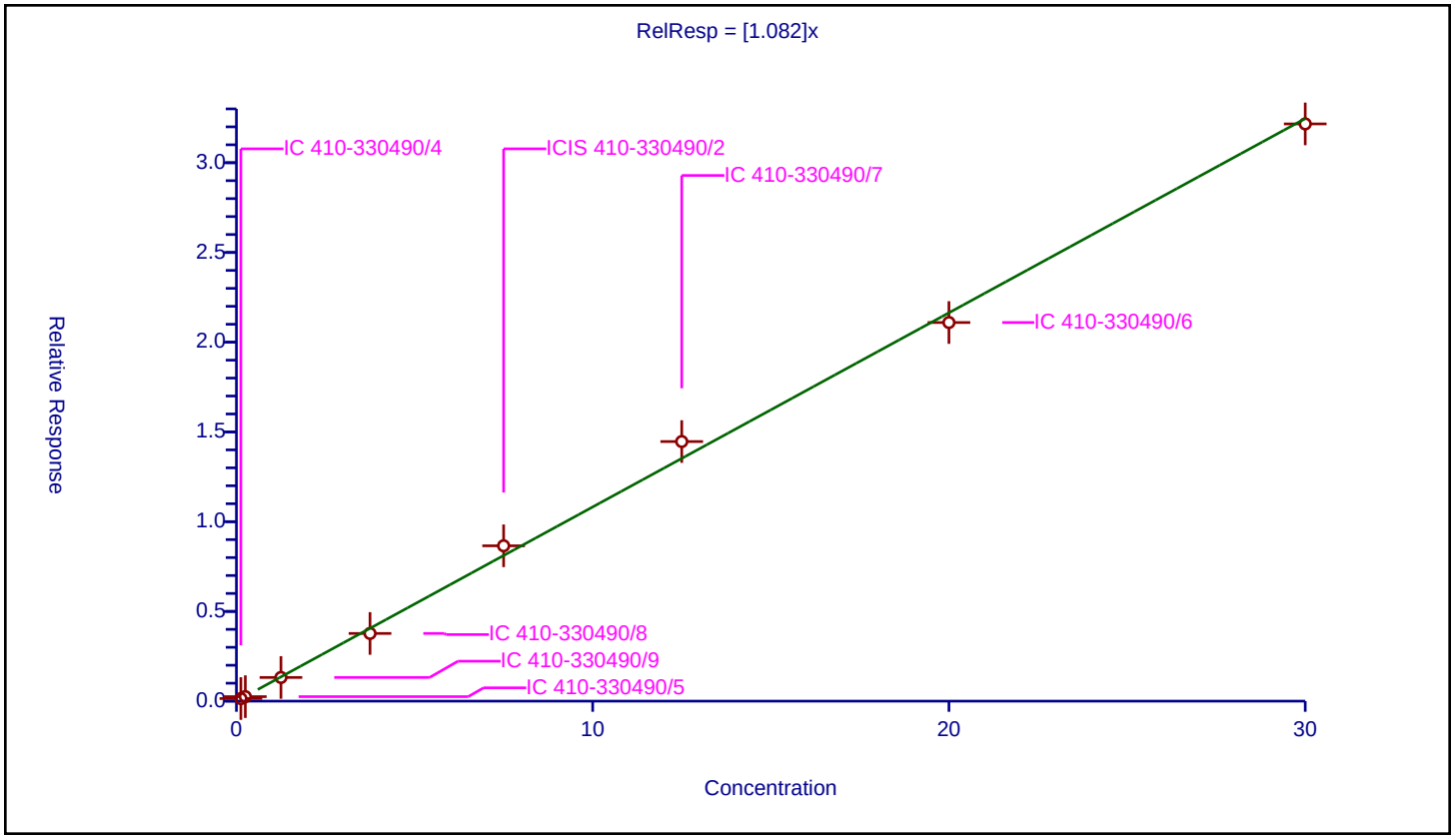
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Standard Error:	3500000
Relative Standard Error:	6.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.14427	5.0	982391.0	1.154164	Y
2	IC 410-330490/5	0.25	0.250783	5.0	943645.0	1.003131	Y
3	IC 410-330490/9	1.25	1.317903	5.0	1113819.0	1.054322	Y
4	IC 410-330490/8	3.75	3.77179	5.0	1285729.0	1.005811	Y
5	ICIS 410-330490/2	7.5	8.656082	5.0	903262.0	1.154144	Y
6	IC 410-330490/7	12.5	14.463757	5.0	1133880.0	1.157101	Y
7	IC 410-330490/6	20.0	21.095891	5.0	1135200.0	1.054795	Y
8	IC 410-330490/3	30.0	32.163317	5.0	1085130.0	1.072111	Y



Calibration / Anthracene

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

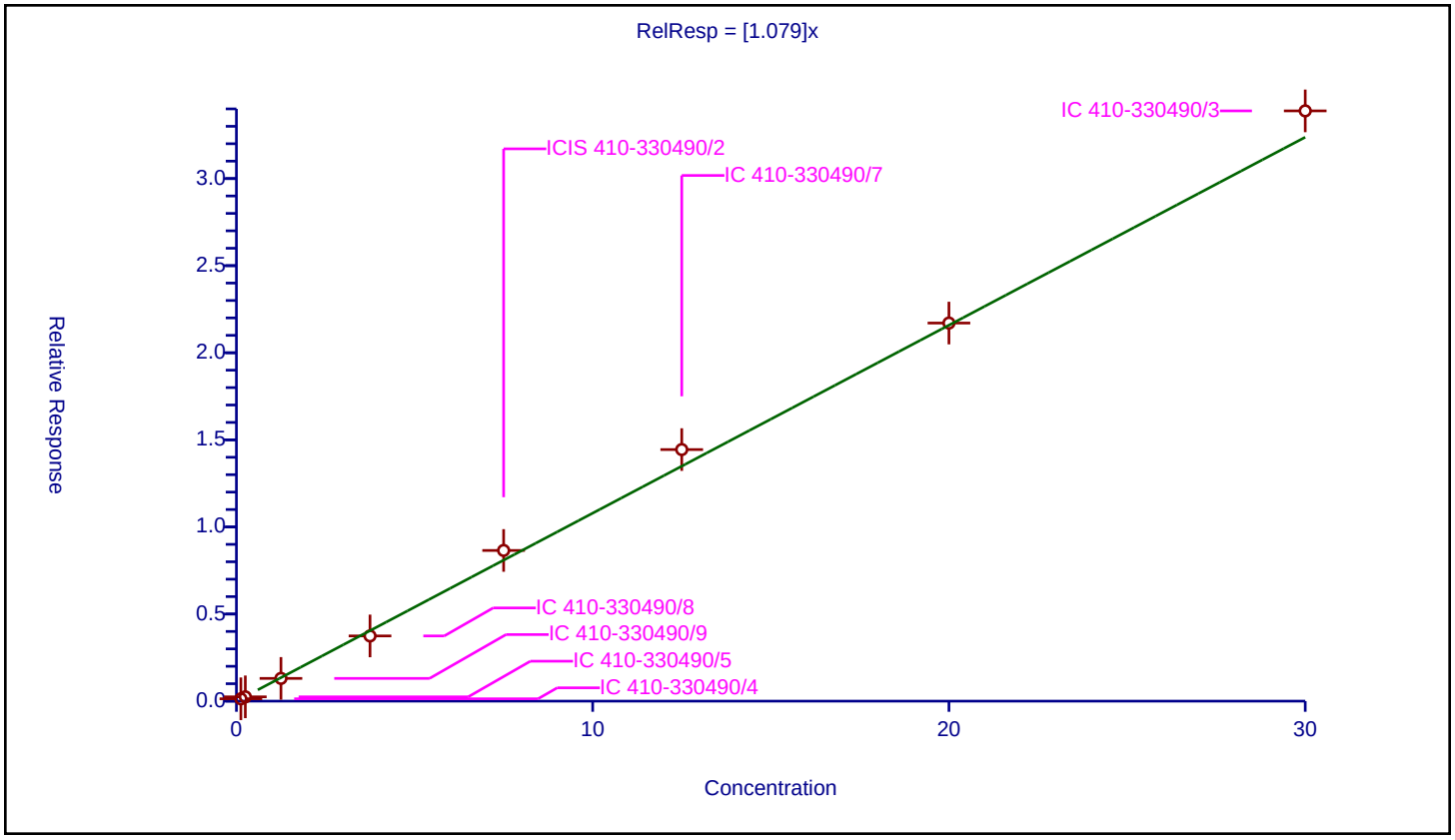
Curve Coefficients

Intercept:	0
Slope:	1.079

Error Coefficients

Standard Error:	3640000
Relative Standard Error:	6.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.134621	5.0	982391.0	1.076964	Y
2	IC 410-330490/5	0.25	0.247477	5.0	943645.0	0.989906	Y
3	IC 410-330490/9	1.25	1.305113	5.0	1113819.0	1.044091	Y
4	IC 410-330490/8	3.75	3.744032	5.0	1285729.0	0.998408	Y
5	ICIS 410-330490/2	7.5	8.650796	5.0	903262.0	1.153439	Y
6	IC 410-330490/7	12.5	14.442679	5.0	1133880.0	1.155414	Y
7	IC 410-330490/6	20.0	21.705796	5.0	1135200.0	1.08529	Y
8	IC 410-330490/3	30.0	33.88541	5.0	1085130.0	1.129514	Y



Calibration / Carbazole

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

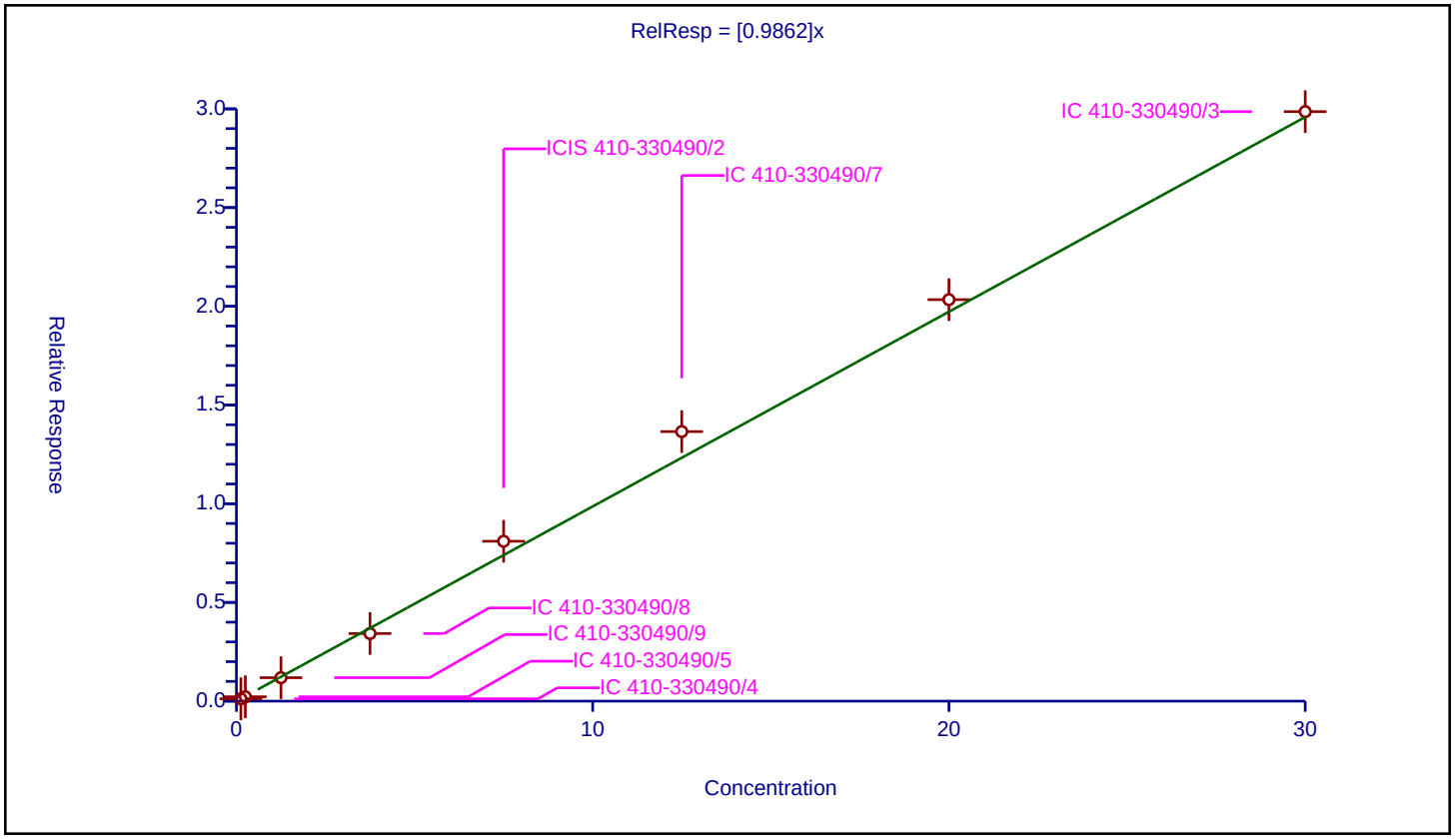
Curve Coefficients

Intercept:	0
Slope:	0.9862

Error Coefficients

Standard Error:	3290000
Relative Standard Error:	7.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.119367	5.0	982391.0	0.954935	Y
2	IC 410-330490/5	0.25	0.221805	5.0	943645.0	0.887219	Y
3	IC 410-330490/9	1.25	1.18741	5.0	1113819.0	0.949928	Y
4	IC 410-330490/8	3.75	3.424668	5.0	1285729.0	0.913245	Y
5	ICIS 410-330490/2	7.5	8.099212	5.0	903262.0	1.079895	Y
6	IC 410-330490/7	12.5	13.653914	5.0	1133880.0	1.092313	Y
7	IC 410-330490/6	20.0	20.337359	5.0	1135200.0	1.016868	Y
8	IC 410-330490/3	30.0	29.861054	5.0	1085130.0	0.995368	Y



Calibration / Methyl parathion

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

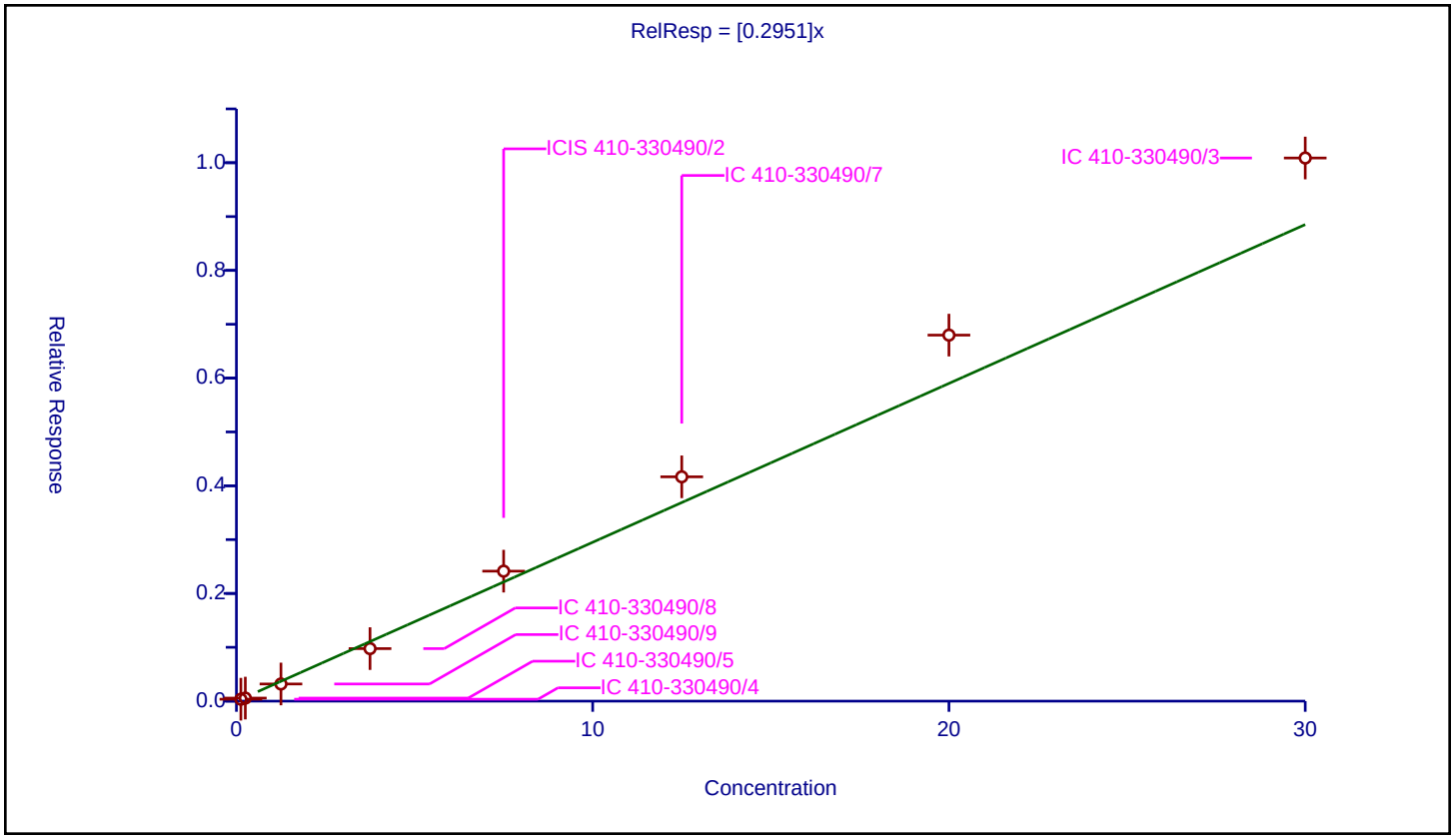
Curve Coefficients

Intercept:	0
Slope:	0.2951

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	14.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.035984	5.0	982391.0	0.287869	Y
2	IC 410-330490/5	0.25	0.056473	5.0	943645.0	0.22589	Y
3	IC 410-330490/9	1.25	0.318849	5.0	1113819.0	0.255079	Y
4	IC 410-330490/8	3.75	0.975742	5.0	1285729.0	0.260198	Y
5	ICIS 410-330490/2	7.5	2.414145	5.0	903262.0	0.321886	Y
6	IC 410-330490/7	12.5	4.166552	5.0	1133880.0	0.333324	Y
7	IC 410-330490/6	20.0	6.798388	5.0	1135200.0	0.339919	Y
8	IC 410-330490/3	30.0	10.087727	5.0	1085130.0	0.336258	Y



Calibration / Di-n-butyl phthalate

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

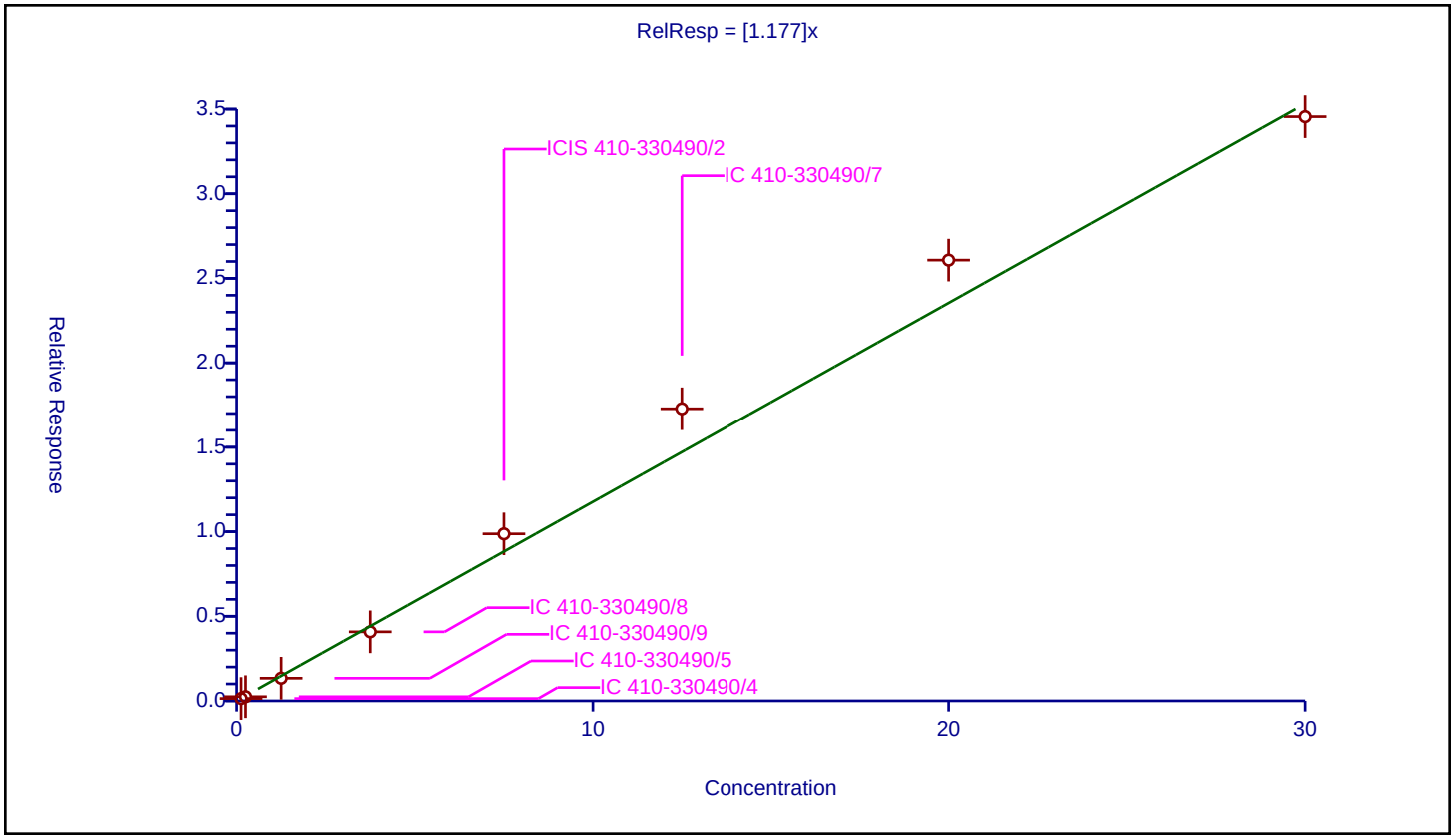
Curve Coefficients

Intercept:	0
Slope:	1.177

Error Coefficients

Standard Error:	3980000
Relative Standard Error:	11.9
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.139746	5.0	982391.0	1.117966	Y
2	IC 410-330490/5	0.25	0.246835	5.0	943645.0	0.987342	Y
3	IC 410-330490/9	1.25	1.336748	5.0	1113819.0	1.069398	Y
4	IC 410-330490/8	3.75	4.080238	5.0	1285729.0	1.088063	Y
5	ICIS 410-330490/2	7.5	9.874555	5.0	903262.0	1.316607	Y
6	IC 410-330490/7	12.5	17.281405	5.0	1133880.0	1.382512	Y
7	IC 410-330490/6	20.0	26.080717	5.0	1135200.0	1.304036	Y
8	IC 410-330490/3	30.0	34.55527	5.0	1085130.0	1.151842	Y



Calibration / Ethyl Parathion

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

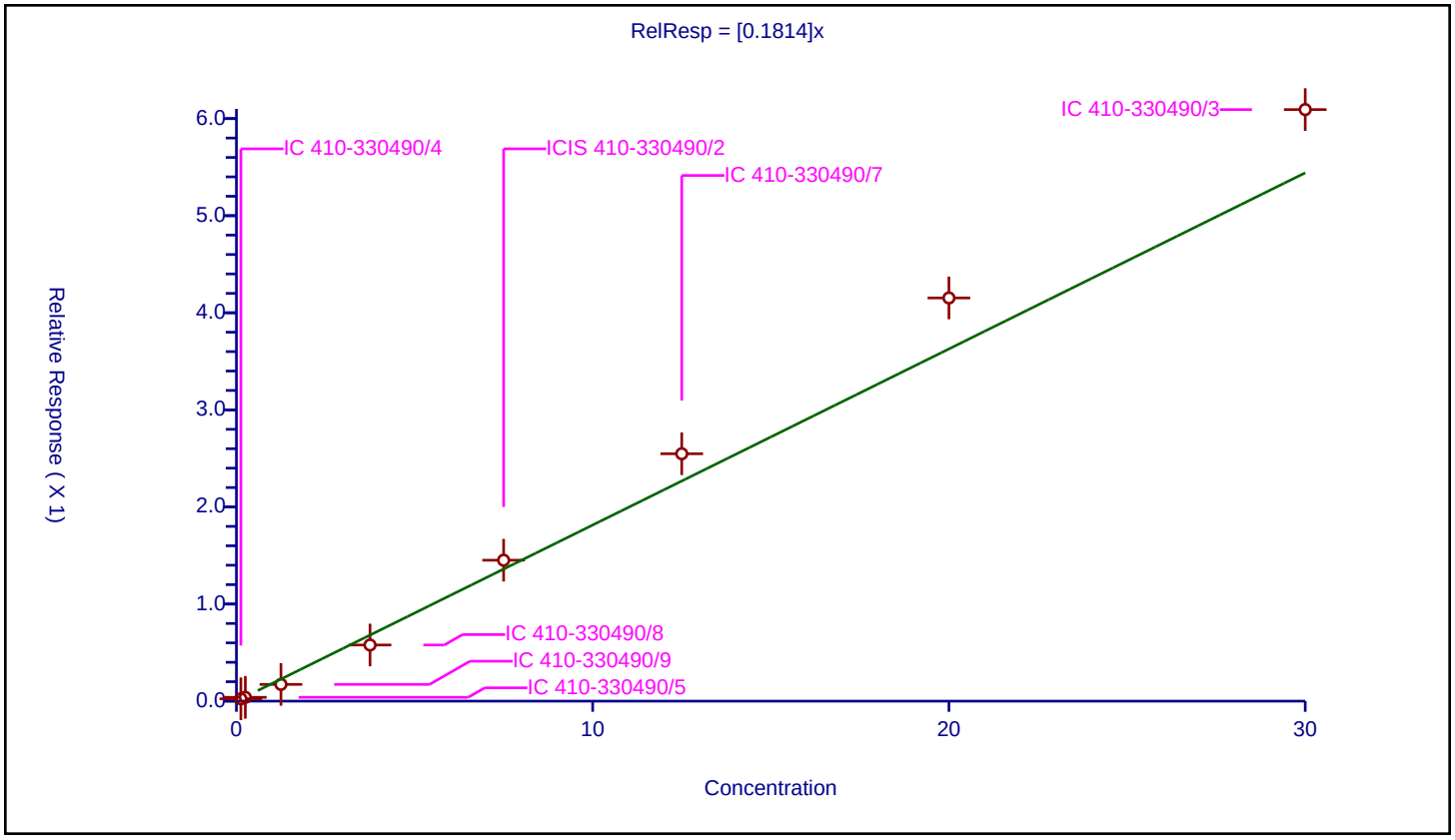
Curve Coefficients

Intercept:	0
Slope:	0.1814

Error Coefficients

Standard Error:	662000
Relative Standard Error:	15.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.02416	5.0	982391.0	0.193284	Y
2	IC 410-330490/5	0.25	0.039363	5.0	943645.0	0.157453	Y
3	IC 410-330490/9	1.25	0.172528	5.0	1113819.0	0.138022	Y
4	IC 410-330490/8	3.75	0.578162	5.0	1285729.0	0.154177	Y
5	ICIS 410-330490/2	7.5	1.451473	5.0	903262.0	0.19353	Y
6	IC 410-330490/7	12.5	2.548118	5.0	1133880.0	0.203849	Y
7	IC 410-330490/6	20.0	4.152977	5.0	1135200.0	0.207649	Y
8	IC 410-330490/3	30.0	6.092934	5.0	1085130.0	0.203098	Y



Calibration / 4-Nitroquinoline-1-oxide

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

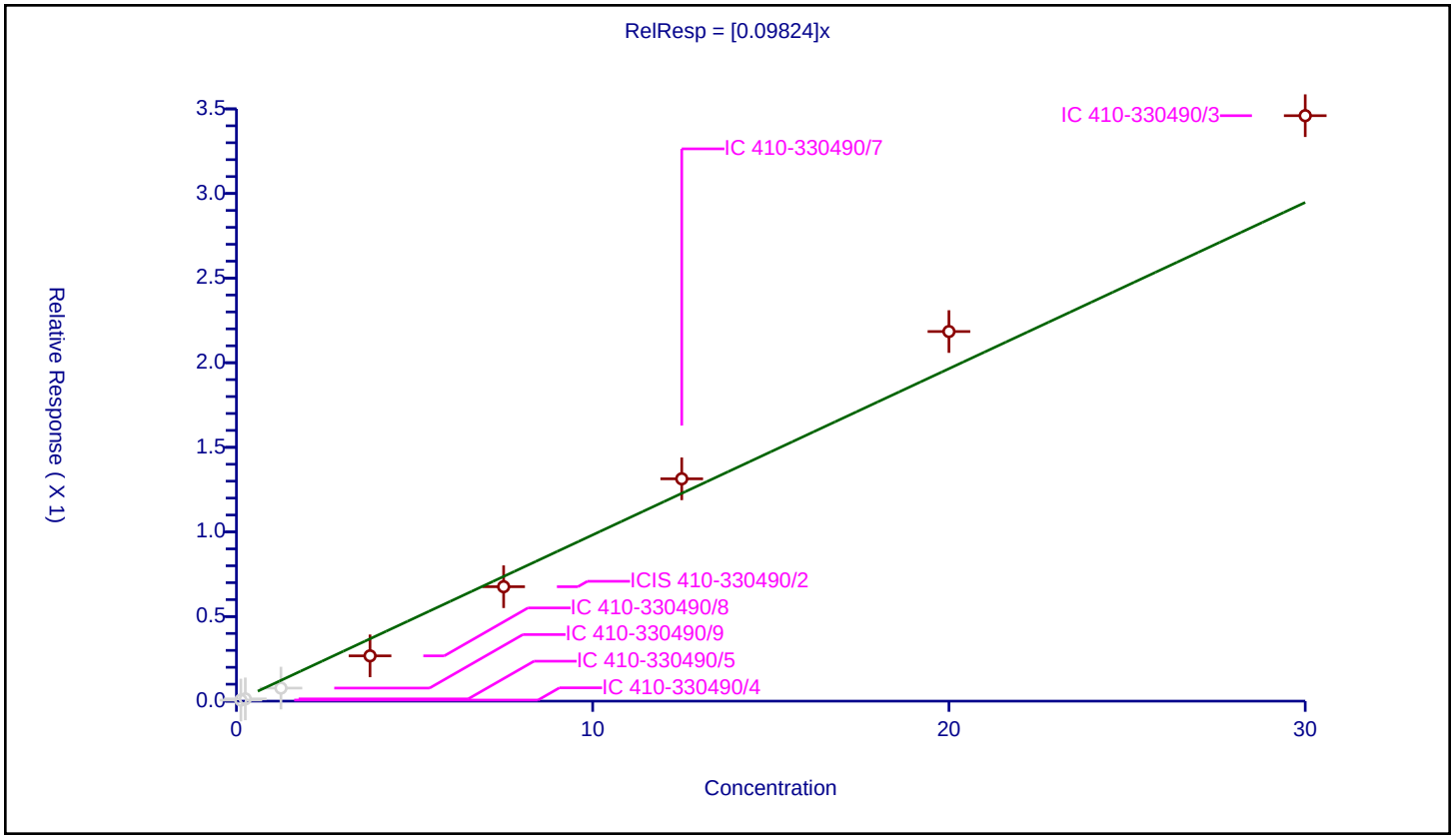
Curve Coefficients

Intercept:	0
Slope:	0.09824

Error Coefficients

Standard Error:	479000
Relative Standard Error:	18.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.951

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.006398	5.0	982391.0	0.051181	N
2	IC 410-330490/5	0.25	0.013321	5.0	943645.0	0.053283	N
3	IC 410-330490/9	1.25	0.077212	5.0	1113819.0	0.061769	N
4	IC 410-330490/8	3.75	0.267638	5.0	1285729.0	0.07137	Y
5	ICIS 410-330490/2	7.5	0.676227	5.0	903262.0	0.090164	Y
6	IC 410-330490/7	12.5	1.313931	5.0	1133880.0	0.105114	Y
7	IC 410-330490/6	20.0	2.18428	5.0	1135200.0	0.109214	Y
8	IC 410-330490/3	30.0	3.45989	5.0	1085130.0	0.11533	Y



Calibration / Octachlorostyrene

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

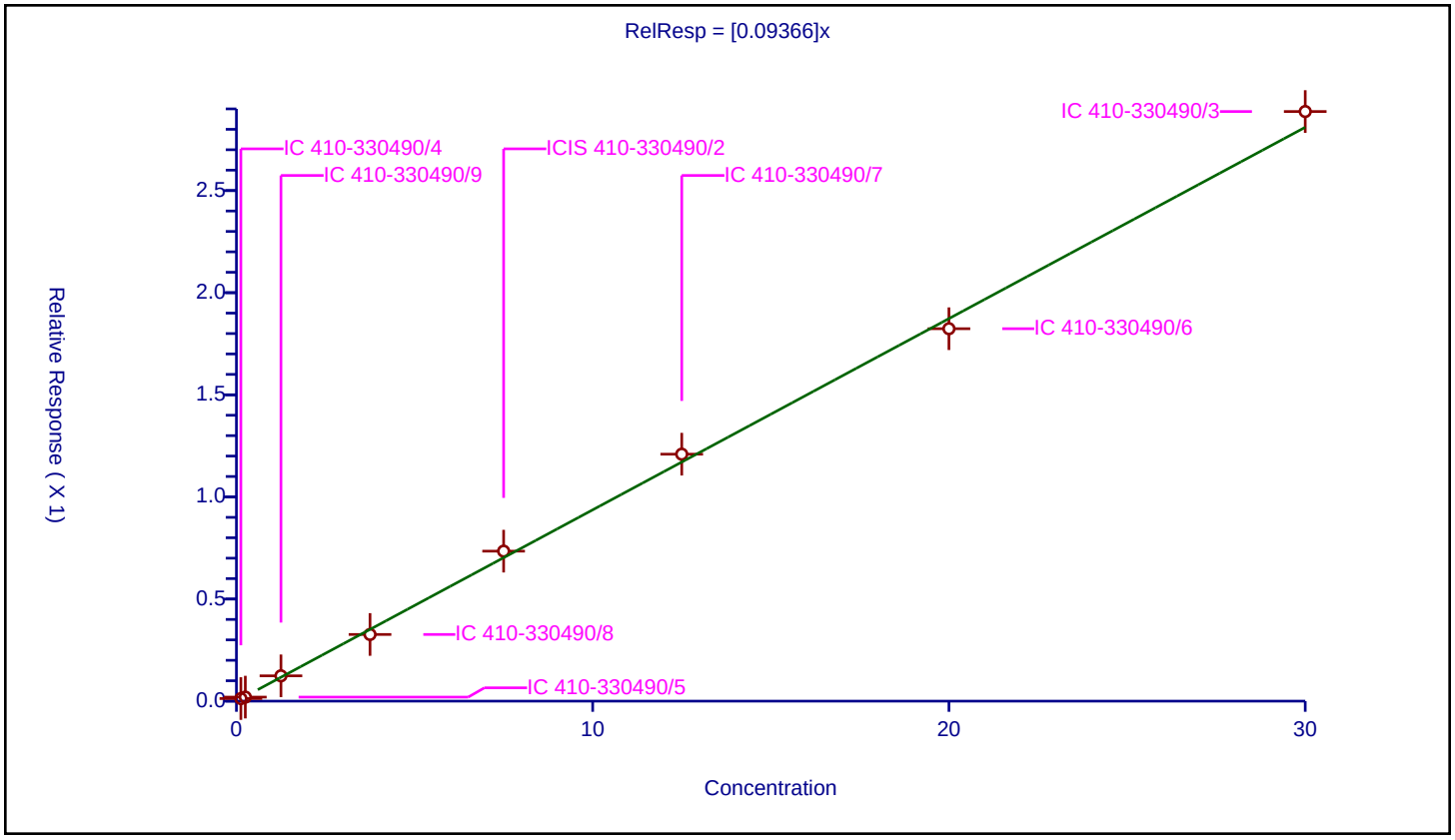
Curve Coefficients

Intercept:	0
Slope:	0.09366

Error Coefficients

Standard Error:	308000
Relative Standard Error:	8.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.012729	5.0	982391.0	0.101833	Y
2	IC 410-330490/5	0.25	0.019774	5.0	943645.0	0.079098	Y
3	IC 410-330490/9	1.25	0.123997	5.0	1113819.0	0.099197	Y
4	IC 410-330490/8	3.75	0.326507	5.0	1285729.0	0.087069	Y
5	ICIS 410-330490/2	7.5	0.734444	5.0	903262.0	0.097926	Y
6	IC 410-330490/7	12.5	1.209317	5.0	1133880.0	0.096745	Y
7	IC 410-330490/6	20.0	1.823621	5.0	1135200.0	0.091181	Y
8	IC 410-330490/3	30.0	2.887087	5.0	1085130.0	0.096236	Y



Calibration / Isodrin

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

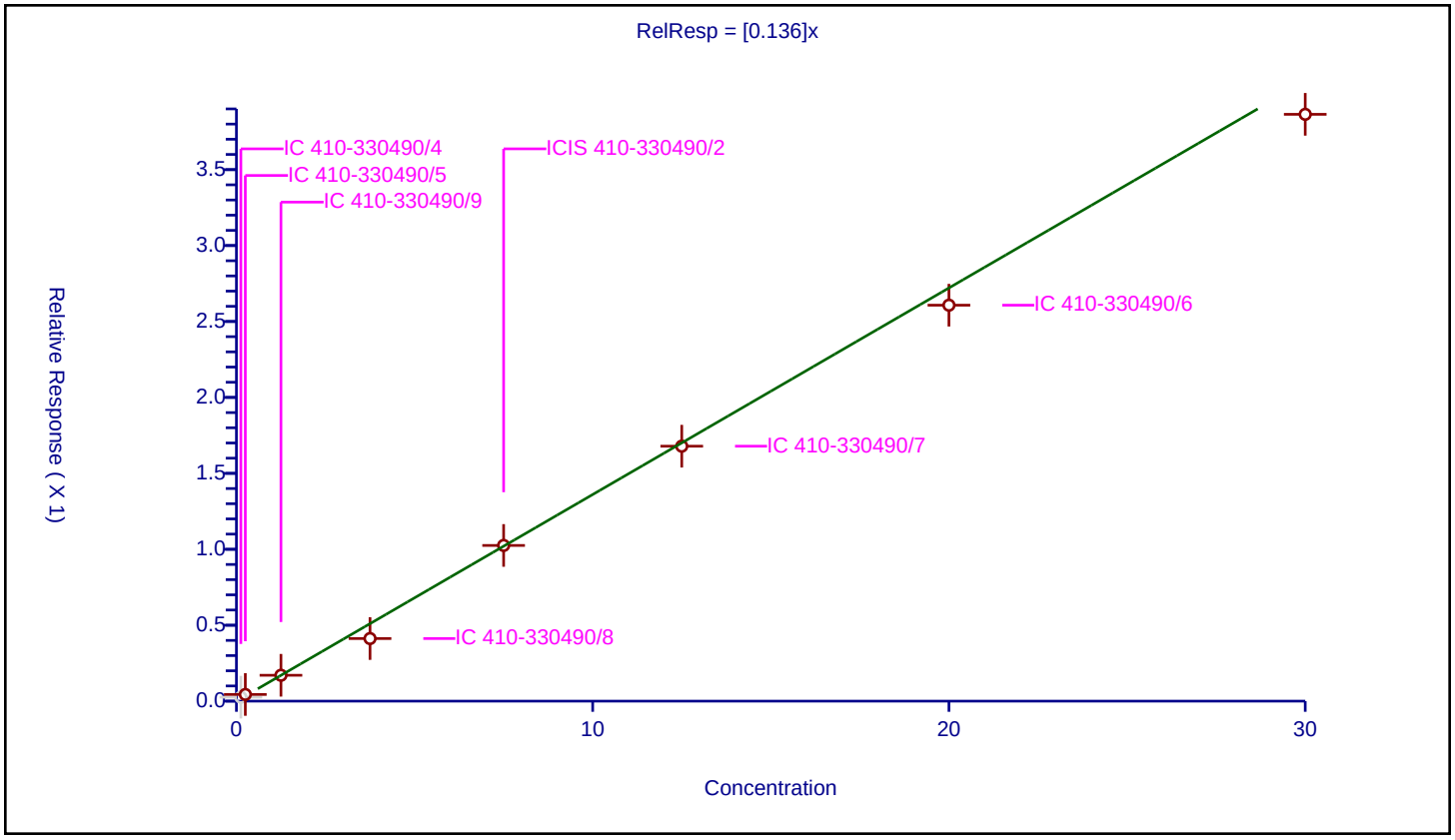
Curve Coefficients

Intercept:	0
Slope:	0.136

Error Coefficients

Standard Error:	456000
Relative Standard Error:	14.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.026008	5.0	982391.0	0.208064	N
2	IC 410-330490/5	0.25	0.043973	5.0	943645.0	0.175892	Y
3	IC 410-330490/9	1.25	0.170427	5.0	1113819.0	0.136342	Y
4	IC 410-330490/8	3.75	0.412183	5.0	1285729.0	0.109915	Y
5	ICIS 410-330490/2	7.5	1.025217	5.0	903262.0	0.136696	Y
6	IC 410-330490/7	12.5	1.678868	5.0	1133880.0	0.134309	Y
7	IC 410-330490/6	20.0	2.607316	5.0	1135200.0	0.130366	Y
8	IC 410-330490/3	30.0	3.86415	5.0	1085130.0	0.128805	Y



Calibration / Fluoranthene

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

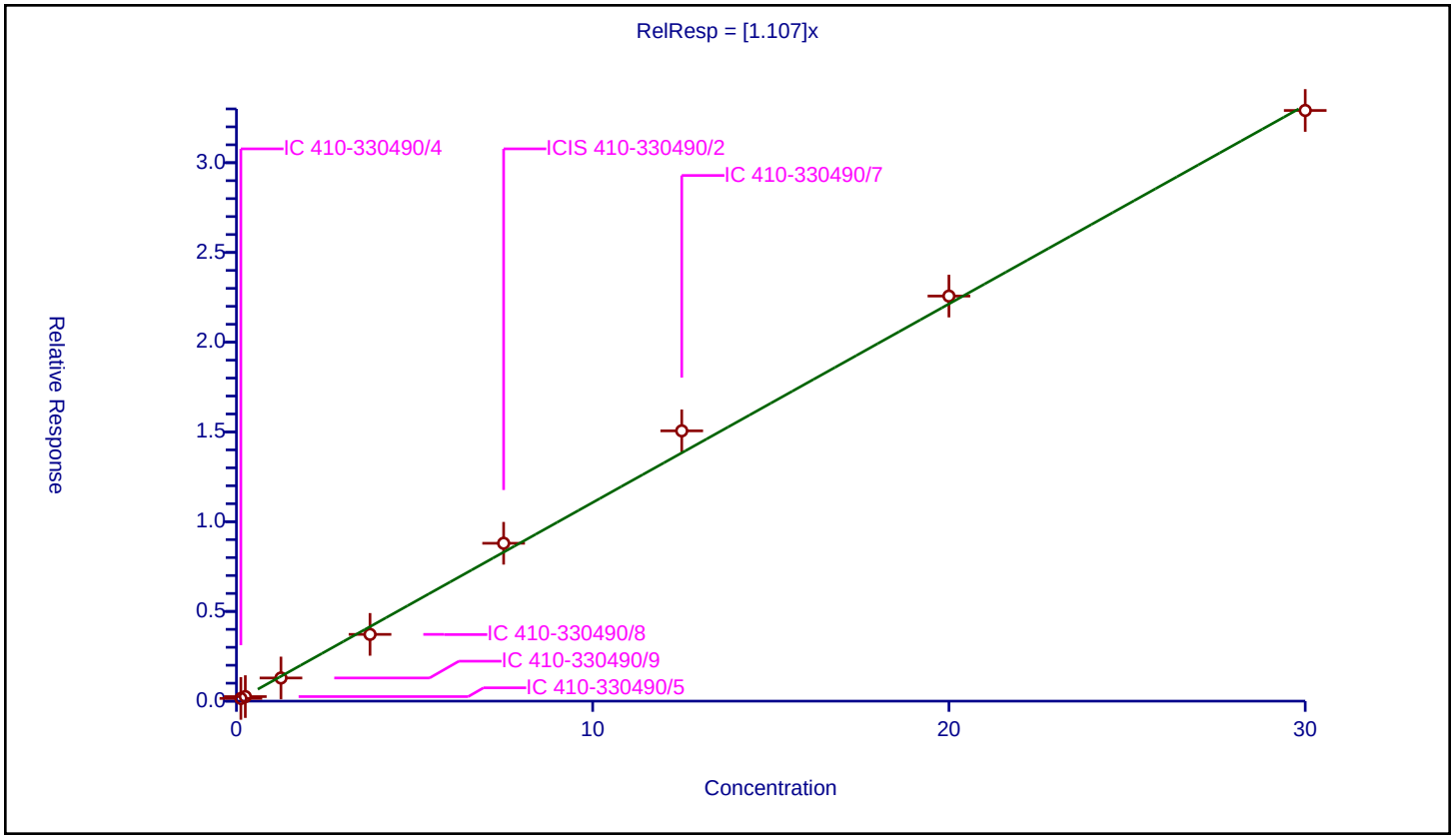
Curve Coefficients

Intercept:	0
Slope:	1.107

Error Coefficients

Standard Error:	3630000
Relative Standard Error:	7.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.151533	5.0	982391.0	1.212267	Y
2	IC 410-330490/5	0.25	0.253305	5.0	943645.0	1.01322	Y
3	IC 410-330490/9	1.25	1.291049	5.0	1113819.0	1.032839	Y
4	IC 410-330490/8	3.75	3.719991	5.0	1285729.0	0.991998	Y
5	ICIS 410-330490/2	7.5	8.796916	5.0	903262.0	1.172922	Y
6	IC 410-330490/7	12.5	15.061395	5.0	1133880.0	1.204912	Y
7	IC 410-330490/6	20.0	22.570362	5.0	1135200.0	1.128518	Y
8	IC 410-330490/3	30.0	32.912762	5.0	1085130.0	1.097092	Y



Calibration / Benzidine

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

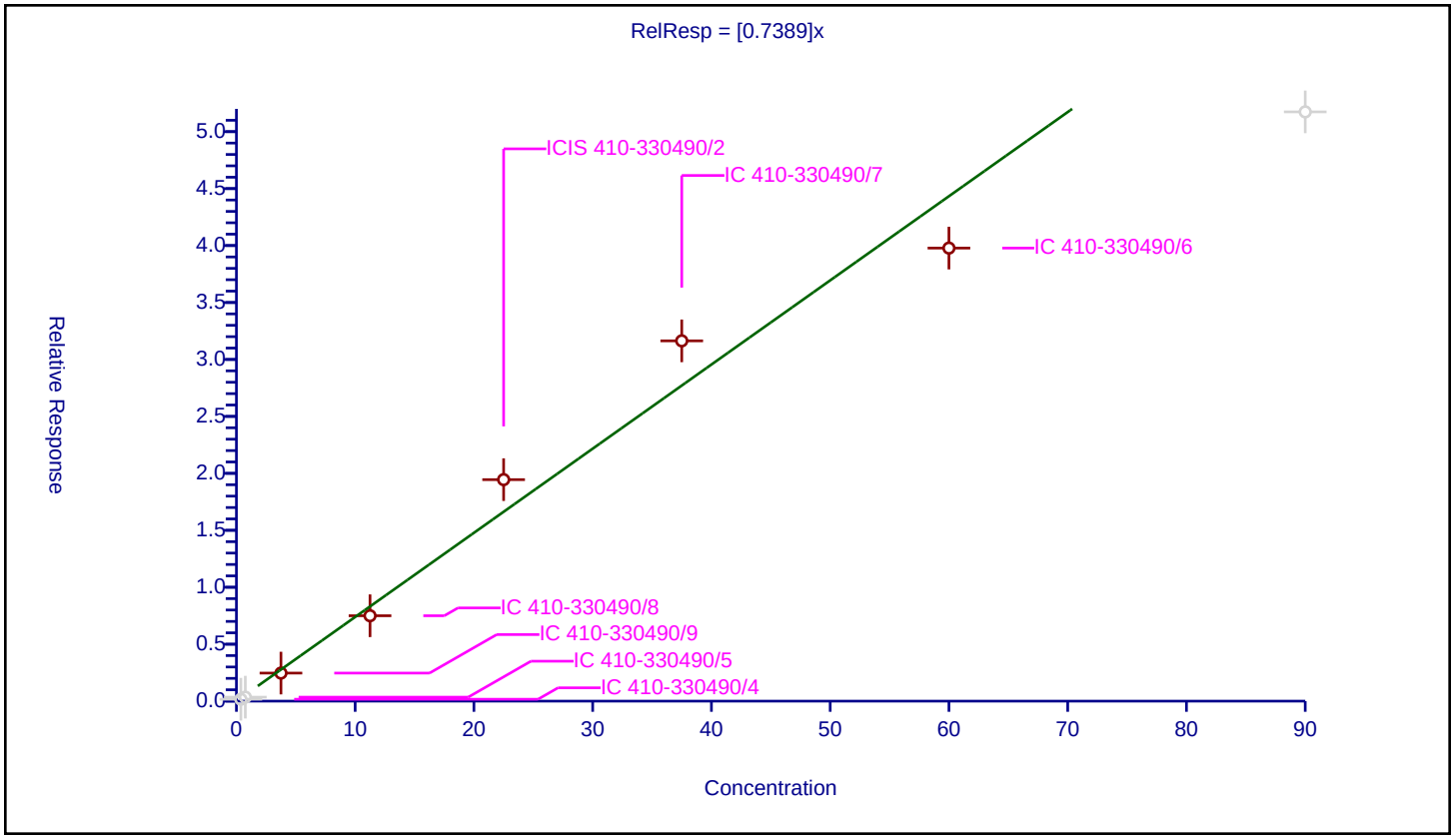
Curve Coefficients

Intercept:	0
Slope:	0.7389

Error Coefficients

Standard Error:	5980000
Relative Standard Error:	14.3
Correlation Coefficient:	0.962
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.375	0.166419	5.0	942081.0	0.443783	N
2	IC 410-330490/5	0.75	0.349922	5.0	893770.0	0.466563	N
3	IC 410-330490/9	3.75	2.463681	5.0	1089447.0	0.656982	Y
4	IC 410-330490/8	11.25	7.498038	5.0	1331545.0	0.666492	Y
5	ICIS 410-330490/2	22.5	19.447549	5.0	908497.0	0.864336	Y
6	IC 410-330490/7	37.5	31.634299	5.0	1119685.0	0.843581	Y
7	IC 410-330490/6	60.0	39.778624	5.0	1097069.0	0.662977	Y
8	IC 410-330490/3	90.0	51.737066	5.0	1032537.0	0.574856	N



Calibration / Pyrene

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

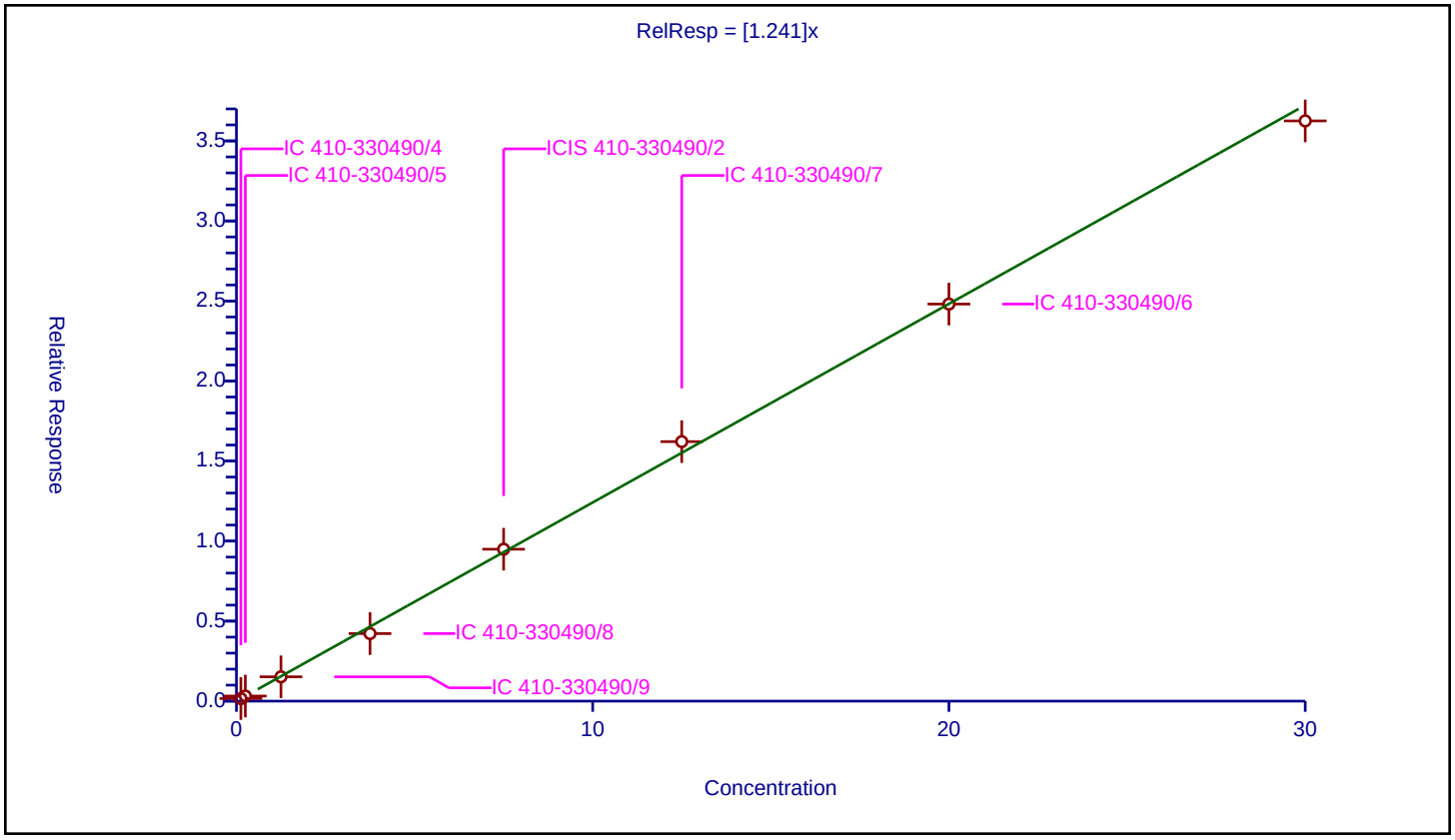
Curve Coefficients

Intercept:	0
Slope:	1.241

Error Coefficients

Standard Error:	3840000
Relative Standard Error:	4.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.162295	5.0	942081.0	1.29836	Y
2	IC 410-330490/5	0.25	0.319322	5.0	893770.0	1.277286	Y
3	IC 410-330490/9	1.25	1.52001	5.0	1089447.0	1.216008	Y
4	IC 410-330490/8	3.75	4.219741	5.0	1331545.0	1.125264	Y
5	ICIS 410-330490/2	7.5	9.49269	5.0	908497.0	1.265692	Y
6	IC 410-330490/7	12.5	16.21256	5.0	1119685.0	1.297005	Y
7	IC 410-330490/6	20.0	24.807291	5.0	1097069.0	1.240365	Y
8	IC 410-330490/3	30.0	36.250289	5.0	1032537.0	1.208343	Y



Calibration / p-Terphenyl-d14

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

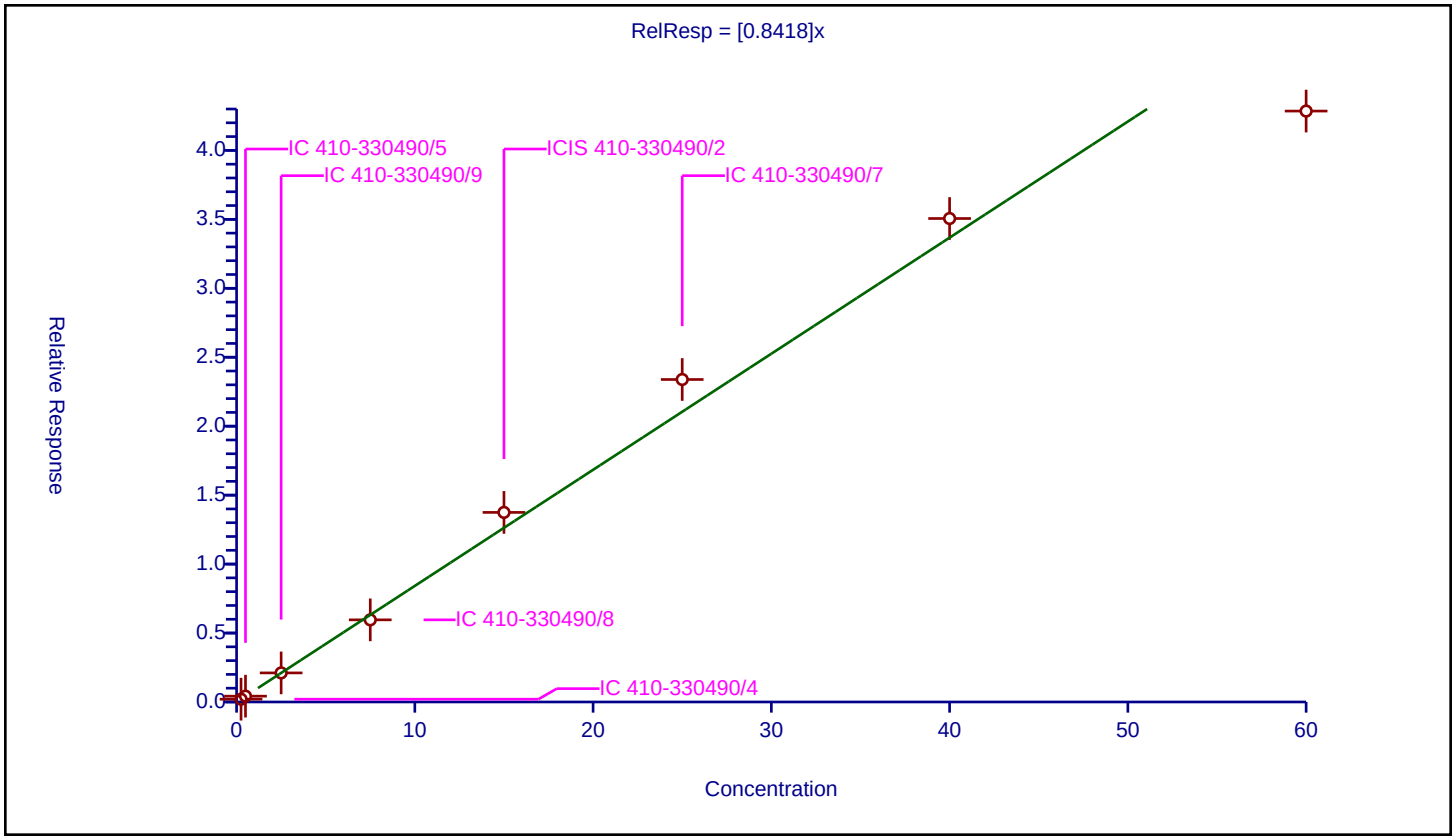
Curve Coefficients

Intercept:	0
Slope:	0.8418

Error Coefficients

Standard Error:	4980000
Relative Standard Error:	8.4
Correlation Coefficient:	0.962
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.25	0.202541	5.0	942081.0	0.810164	Y
2	IC 410-330490/5	0.5	0.422005	5.0	893770.0	0.844009	Y
3	IC 410-330490/9	2.5	2.108584	5.0	1089447.0	0.843433	Y
4	IC 410-330490/8	7.5	5.957009	5.0	1331545.0	0.794268	Y
5	ICIS 410-330490/2	15.0	13.747508	5.0	908497.0	0.916501	Y
6	IC 410-330490/7	25.0	23.385693	5.0	1119685.0	0.935428	Y
7	IC 410-330490/6	40.0	35.059499	5.0	1097069.0	0.876487	Y
8	IC 410-330490/3	60.0	42.851452	5.0	1032537.0	0.714191	Y



Calibration / p-Dimethylamino azobenzene

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

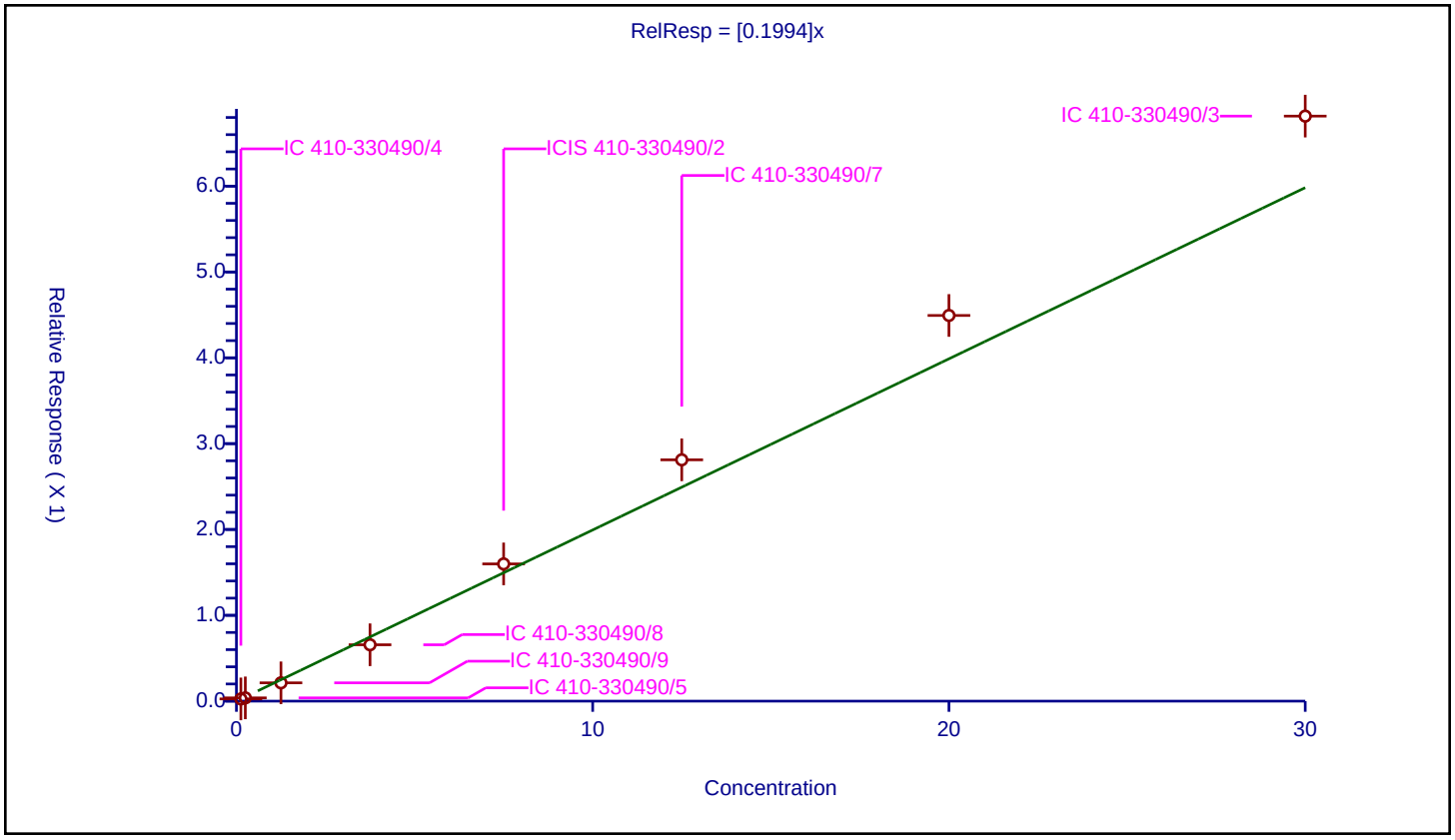
Curve Coefficients

Intercept:	0
Slope:	0.1994

Error Coefficients

Standard Error:	704000
Relative Standard Error:	14.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.026001	5.0	942081.0	0.208008	Y
2	IC 410-330490/5	0.25	0.037879	5.0	893770.0	0.151515	Y
3	IC 410-330490/9	1.25	0.213264	5.0	1089447.0	0.170611	Y
4	IC 410-330490/8	3.75	0.656786	5.0	1331545.0	0.175143	Y
5	ICIS 410-330490/2	7.5	1.59896	5.0	908497.0	0.213195	Y
6	IC 410-330490/7	12.5	2.811536	5.0	1119685.0	0.224923	Y
7	IC 410-330490/6	20.0	4.493318	5.0	1097069.0	0.224666	Y
8	IC 410-330490/3	30.0	6.816032	5.0	1032537.0	0.227201	Y



Calibration / Chlorobenzilate

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

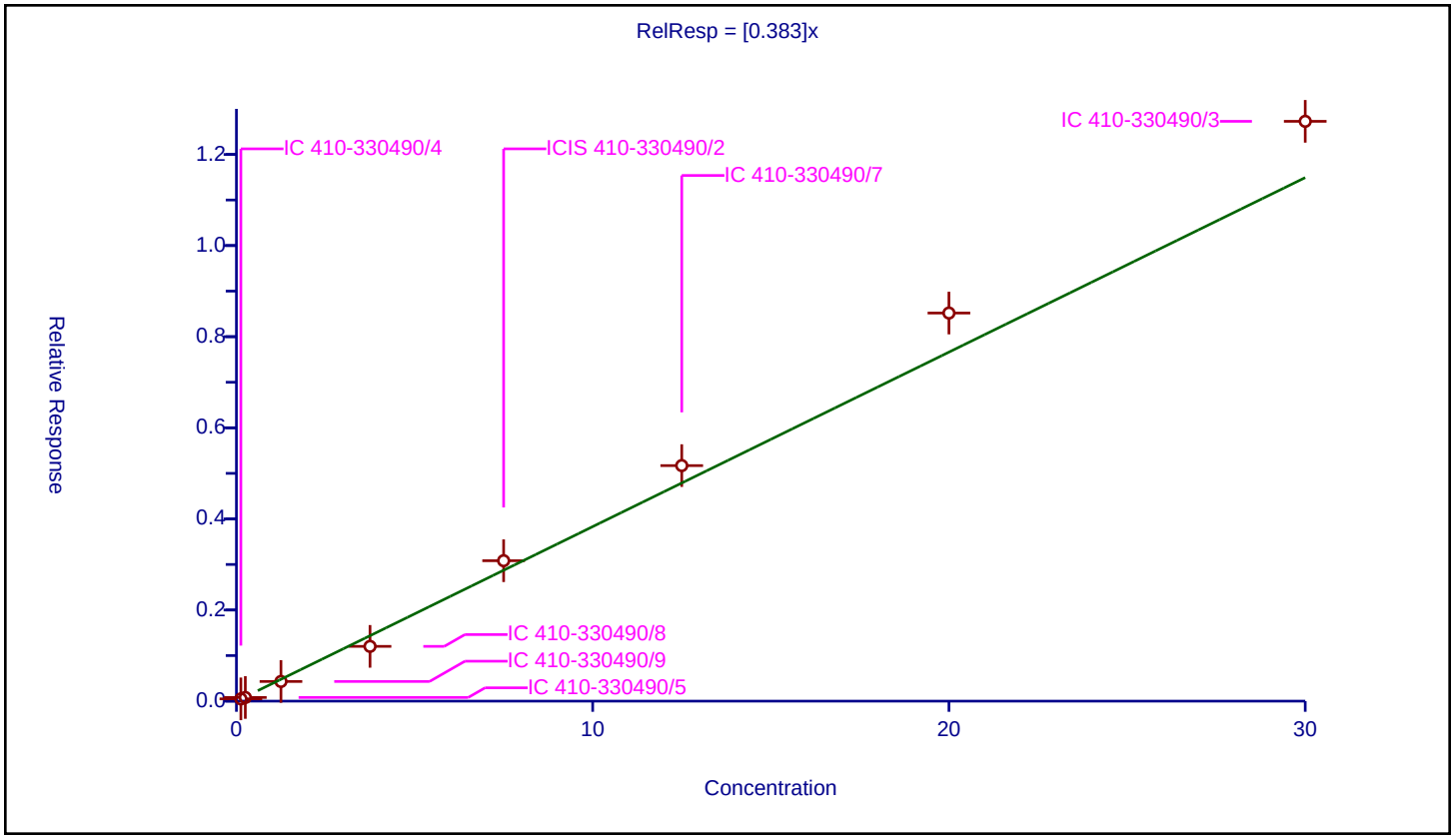
Curve Coefficients

Intercept:	0
Slope:	0.383

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	11.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.050192	5.0	942081.0	0.401537	Y
2	IC 410-330490/5	0.25	0.080541	5.0	893770.0	0.322163	Y
3	IC 410-330490/9	1.25	0.431609	5.0	1089447.0	0.345287	Y
4	IC 410-330490/8	3.75	1.202265	5.0	1331545.0	0.320604	Y
5	ICIS 410-330490/2	7.5	3.082432	5.0	908497.0	0.410991	Y
6	IC 410-330490/7	12.5	5.170374	5.0	1119685.0	0.41363	Y
7	IC 410-330490/6	20.0	8.51873	5.0	1097069.0	0.425937	Y
8	IC 410-330490/3	30.0	12.726764	5.0	1032537.0	0.424225	Y



Calibration / 3,3'-Dimethylbenzidine

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

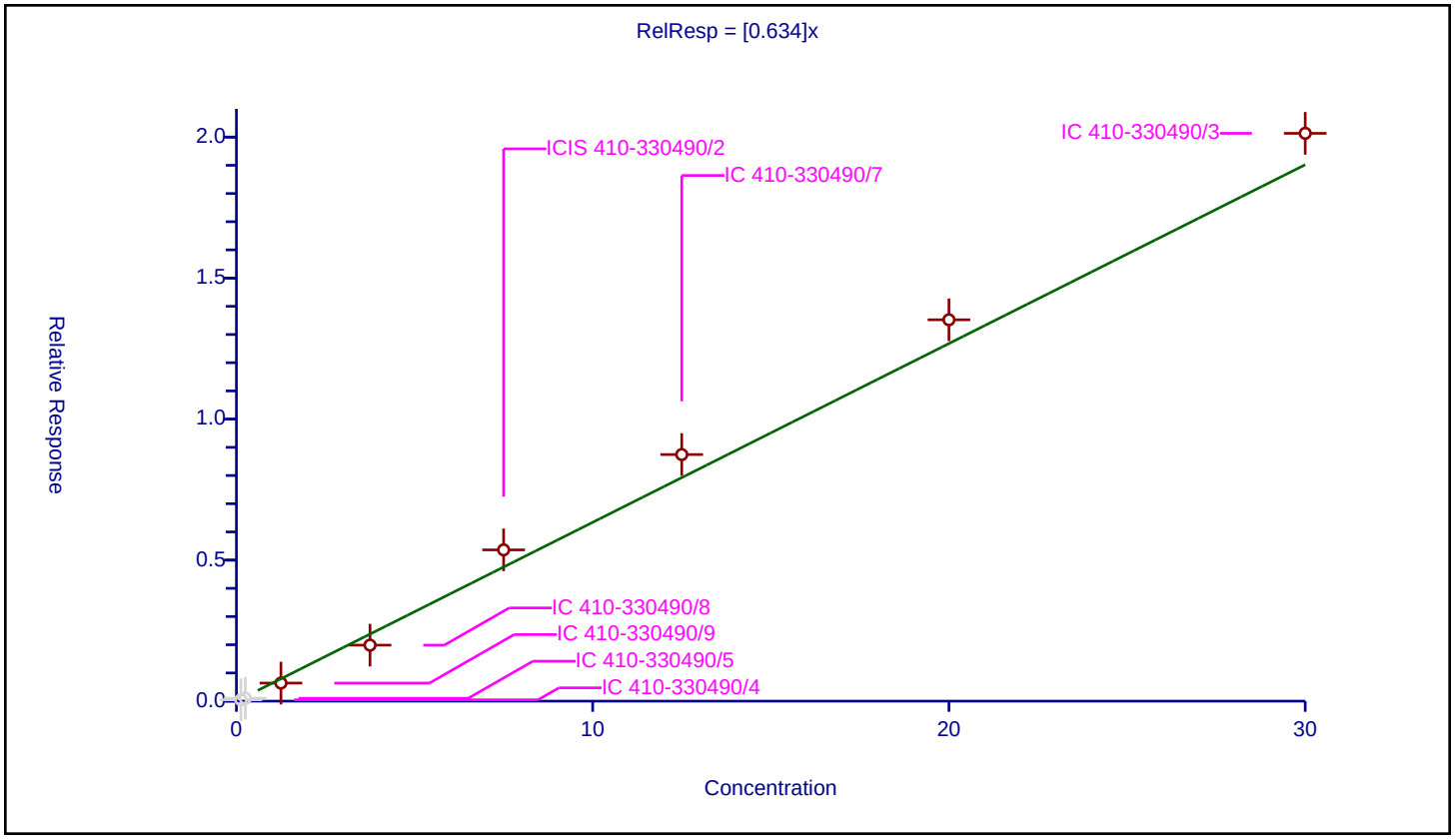
Curve Coefficients

Intercept:	0
Slope:	0.634

Error Coefficients

Standard Error:	2500000
Relative Standard Error:	14.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.047793	5.0	942081.0	0.382345	N
2	IC 410-330490/5	0.25	0.101654	5.0	893770.0	0.406615	N
3	IC 410-330490/9	1.25	0.640981	5.0	1089447.0	0.512785	Y
4	IC 410-330490/8	3.75	1.985705	5.0	1331545.0	0.529521	Y
5	ICIS 410-330490/2	7.5	5.36338	5.0	908497.0	0.715117	Y
6	IC 410-330490/7	12.5	8.74362	5.0	1119685.0	0.69949	Y
7	IC 410-330490/6	20.0	13.522171	5.0	1097069.0	0.676109	Y
8	IC 410-330490/3	30.0	20.133206	5.0	1032537.0	0.671107	Y



Calibration / Butyl benzyl phthalate

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

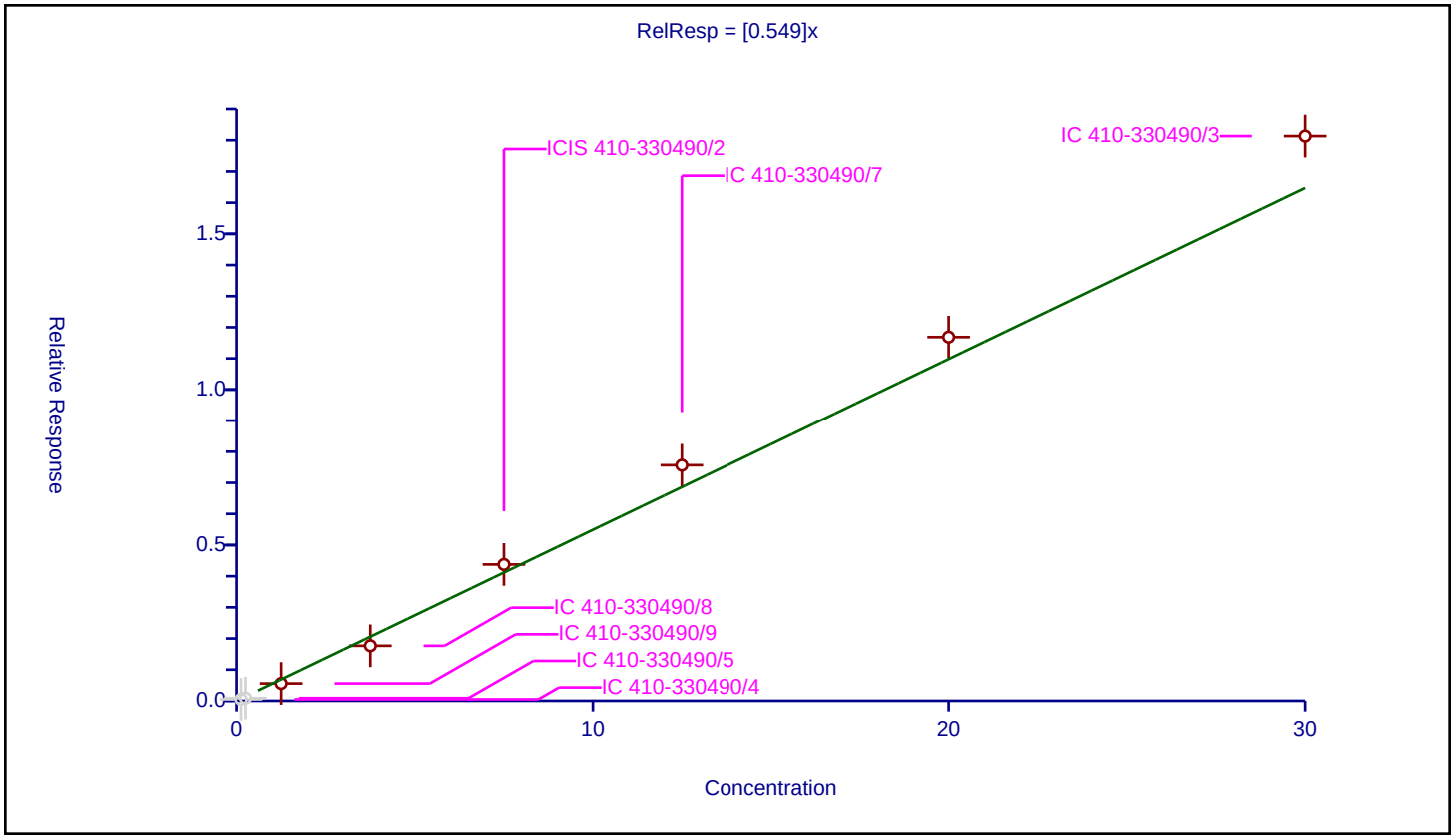
Curve Coefficients

Intercept:	0
Slope:	0.549

Error Coefficients

Standard Error:	2210000
Relative Standard Error:	13.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.048319	5.0	942081.0	0.386549	N
2	IC 410-330490/5	0.25	0.088322	5.0	893770.0	0.35329	N
3	IC 410-330490/9	1.25	0.556856	5.0	1089447.0	0.445485	Y
4	IC 410-330490/8	3.75	1.766827	5.0	1331545.0	0.471154	Y
5	ICIS 410-330490/2	7.5	4.377257	5.0	908497.0	0.583634	Y
6	IC 410-330490/7	12.5	7.565659	5.0	1119685.0	0.605253	Y
7	IC 410-330490/6	20.0	11.684926	5.0	1097069.0	0.584246	Y
8	IC 410-330490/3	30.0	18.132338	5.0	1032537.0	0.604411	Y



Calibration / 2-Acetylaminofluorene

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

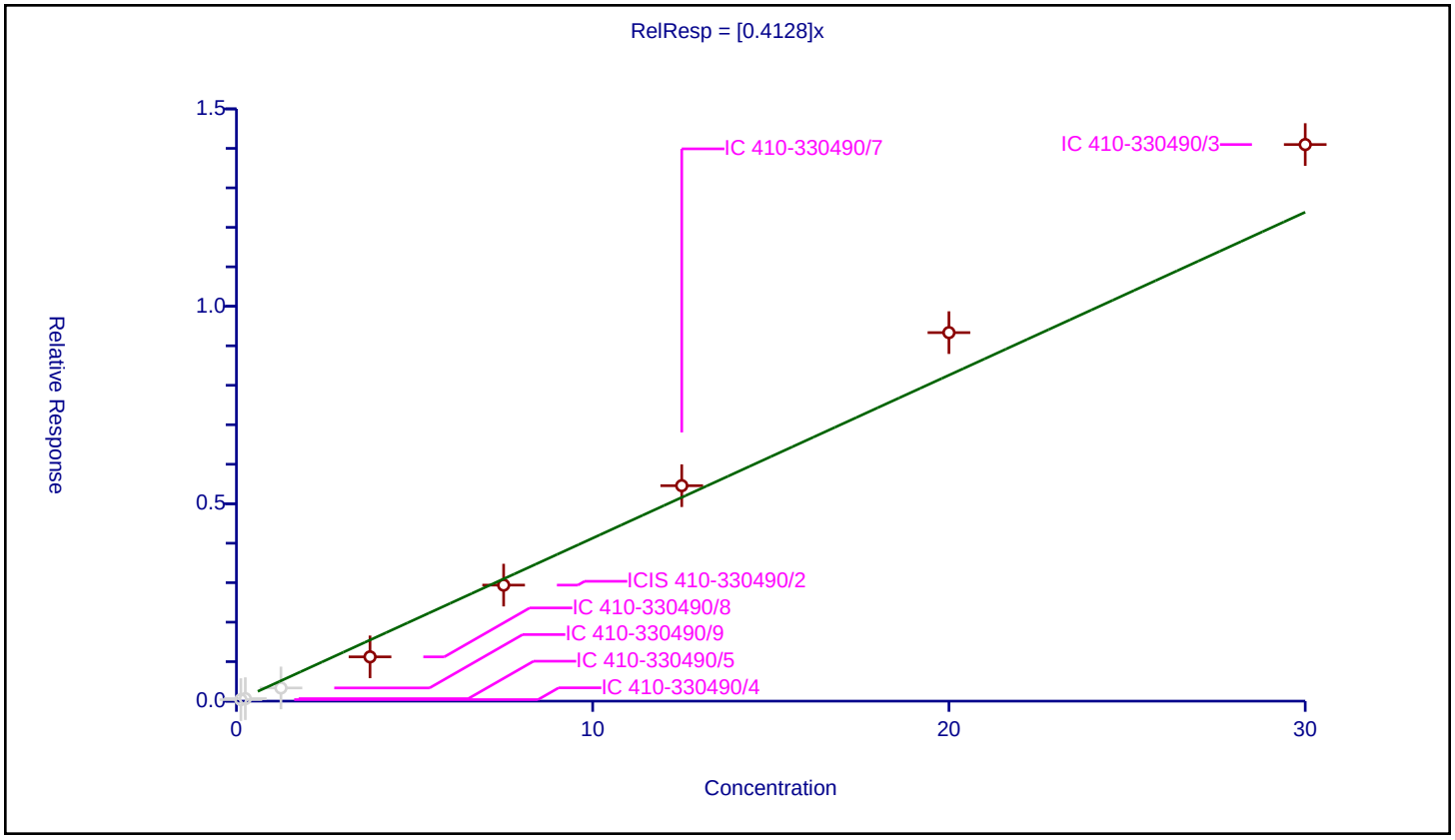
Curve Coefficients

Intercept:	0
Slope:	0.4128

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	17.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.038452	5.0	942081.0	0.307617	N
2	IC 410-330490/5	0.25	0.063322	5.0	893770.0	0.253287	N
3	IC 410-330490/9	1.25	0.334248	5.0	1089447.0	0.267398	N
4	IC 410-330490/8	3.75	1.121329	5.0	1331545.0	0.299021	Y
5	ICIS 410-330490/2	7.5	2.938788	5.0	908497.0	0.391838	Y
6	IC 410-330490/7	12.5	5.457106	5.0	1119685.0	0.436568	Y
7	IC 410-330490/6	20.0	9.333734	5.0	1097069.0	0.466687	Y
8	IC 410-330490/3	30.0	14.096681	5.0	1032537.0	0.469889	Y



Calibration / 3,3'-Dichlorobenzidine

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

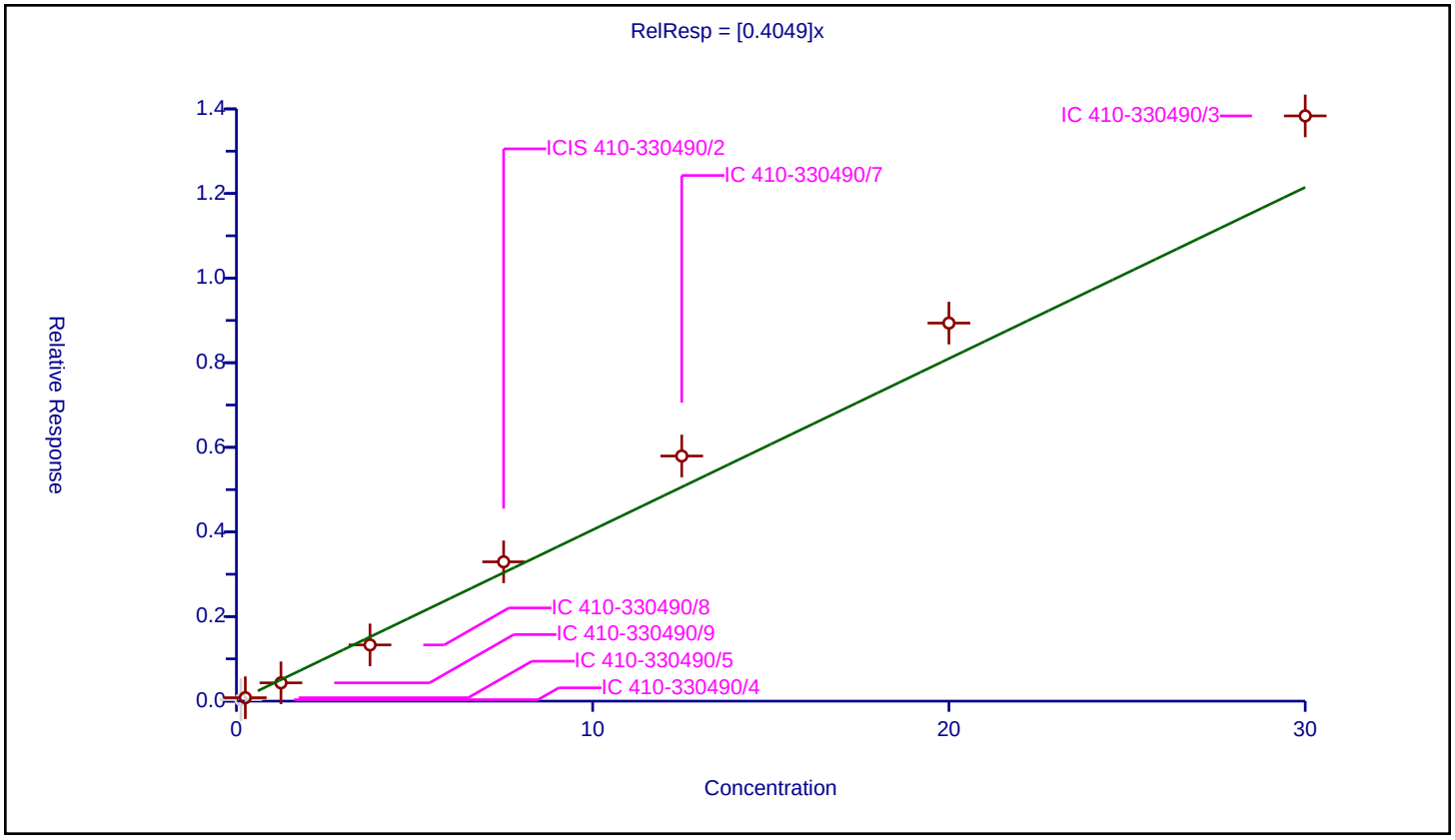
Curve Coefficients

Intercept:	0
Slope:	0.4049

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	15.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.03402	5.0	942081.0	0.272163	N
2	IC 410-330490/5	0.25	0.080899	5.0	893770.0	0.323596	Y
3	IC 410-330490/9	1.25	0.432063	5.0	1089447.0	0.345651	Y
4	IC 410-330490/8	3.75	1.328791	5.0	1331545.0	0.354344	Y
5	ICIS 410-330490/2	7.5	3.293153	5.0	908497.0	0.439087	Y
6	IC 410-330490/7	12.5	5.794272	5.0	1119685.0	0.463542	Y
7	IC 410-330490/6	20.0	8.936685	5.0	1097069.0	0.446834	Y
8	IC 410-330490/3	30.0	13.834449	5.0	1032537.0	0.461148	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

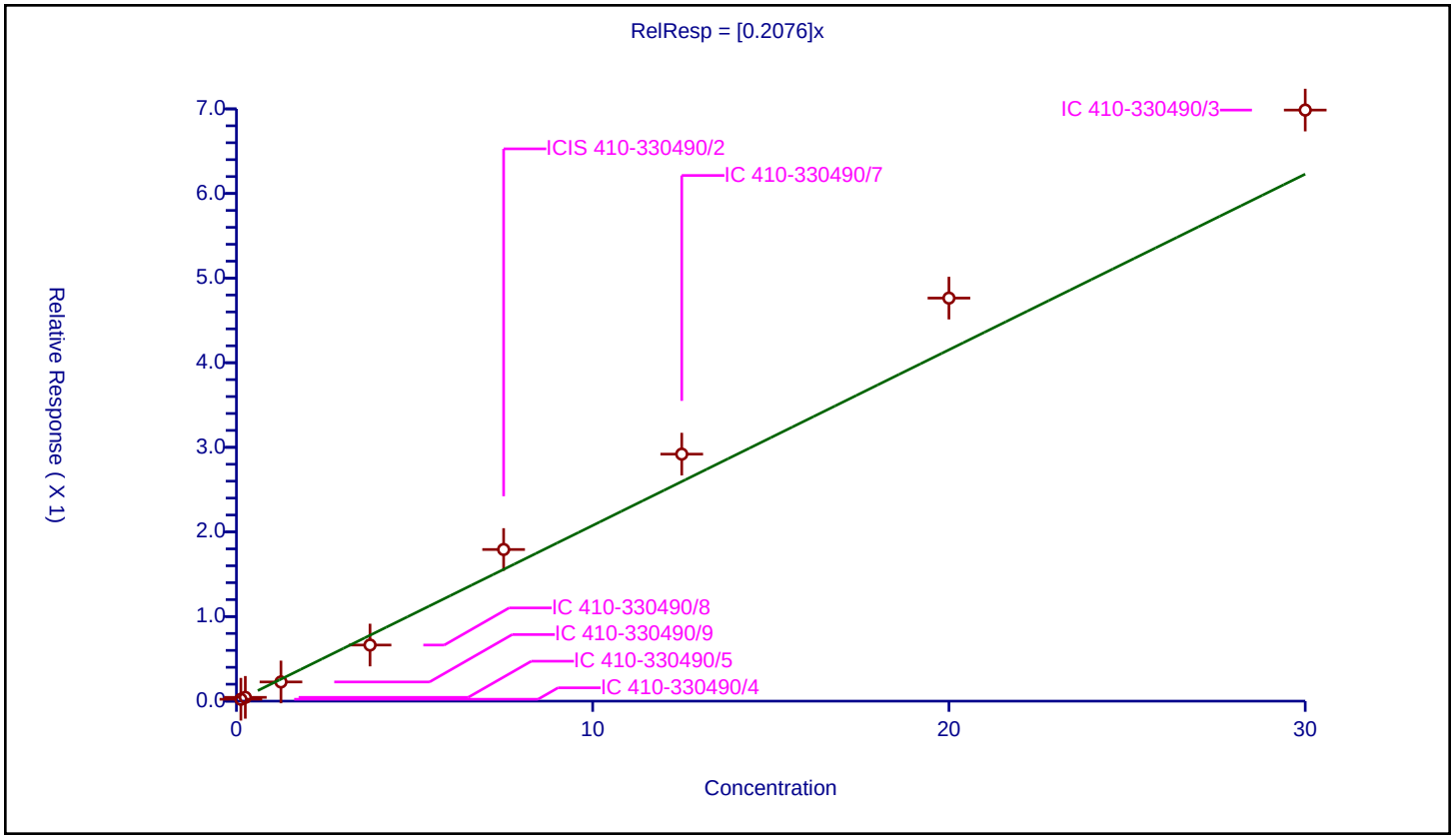
Curve Coefficients

Intercept:	0
Slope:	0.2076

Error Coefficients

Standard Error:	731000
Relative Standard Error:	14.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.022519	5.0	942081.0	0.180154	Y
2	IC 410-330490/5	0.25	0.044737	5.0	893770.0	0.17895	Y
3	IC 410-330490/9	1.25	0.226904	5.0	1089447.0	0.181523	Y
4	IC 410-330490/8	3.75	0.663143	5.0	1331545.0	0.176838	Y
5	ICIS 410-330490/2	7.5	1.792273	5.0	908497.0	0.23897	Y
6	IC 410-330490/7	12.5	2.91958	5.0	1119685.0	0.233566	Y
7	IC 410-330490/6	20.0	4.763643	5.0	1097069.0	0.238182	Y
8	IC 410-330490/3	30.0	6.986069	5.0	1032537.0	0.232869	Y



Calibration / Benzo[a]anthracene

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

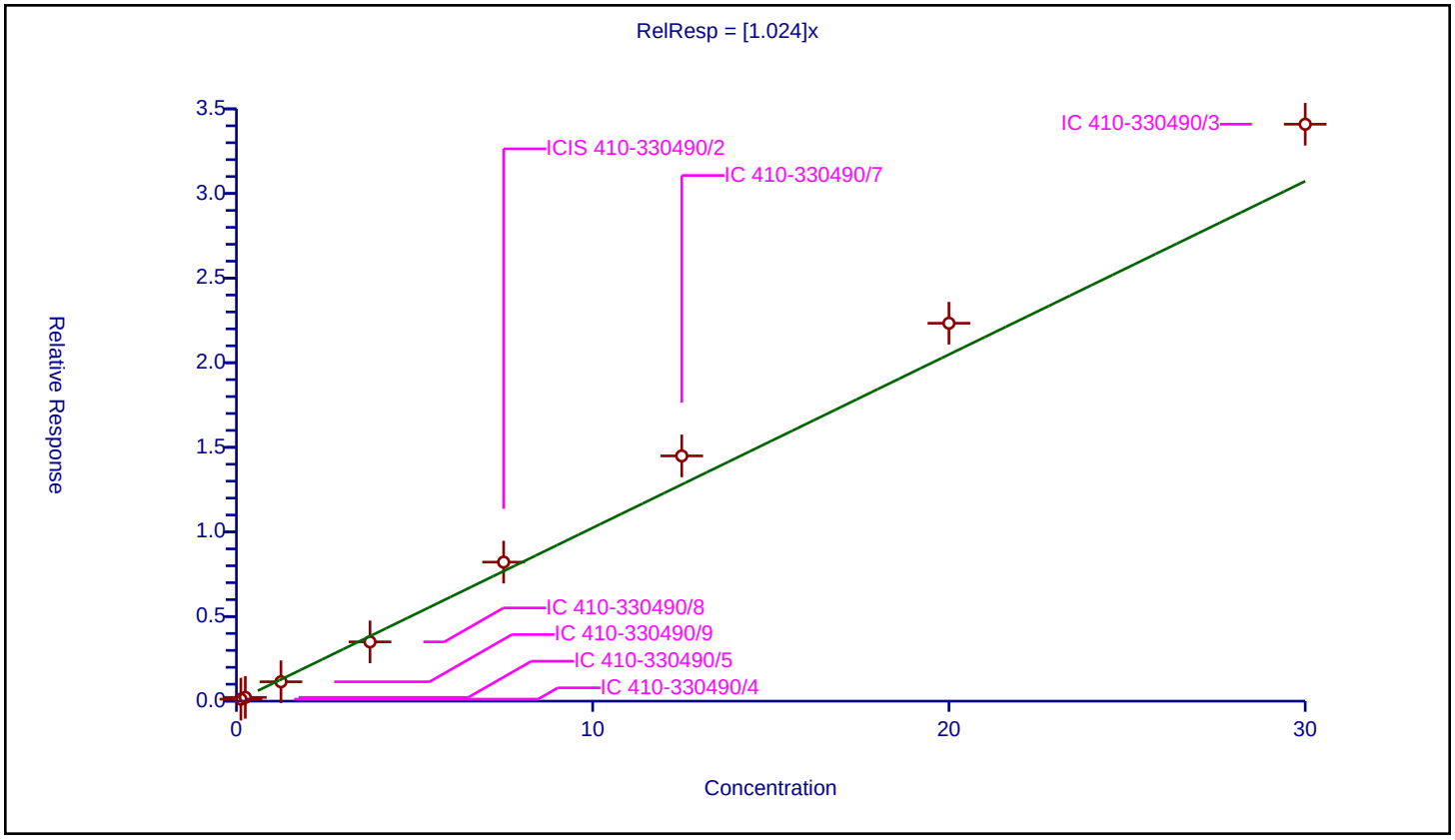
Curve Coefficients

Intercept:	0
Slope:	1.024

Error Coefficients

Standard Error:	3530000
Relative Standard Error:	11.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.118413	5.0	942081.0	0.947307	Y
2	IC 410-330490/5	0.25	0.22192	5.0	893770.0	0.887678	Y
3	IC 410-330490/9	1.25	1.145535	5.0	1089447.0	0.916428	Y
4	IC 410-330490/8	3.75	3.503156	5.0	1331545.0	0.934175	Y
5	ICIS 410-330490/2	7.5	8.215514	5.0	908497.0	1.095402	Y
6	IC 410-330490/7	12.5	14.492661	5.0	1119685.0	1.159413	Y
7	IC 410-330490/6	20.0	22.33386	5.0	1097069.0	1.116693	Y
8	IC 410-330490/3	30.0	34.093916	5.0	1032537.0	1.136464	Y



Calibration / Chrysene

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

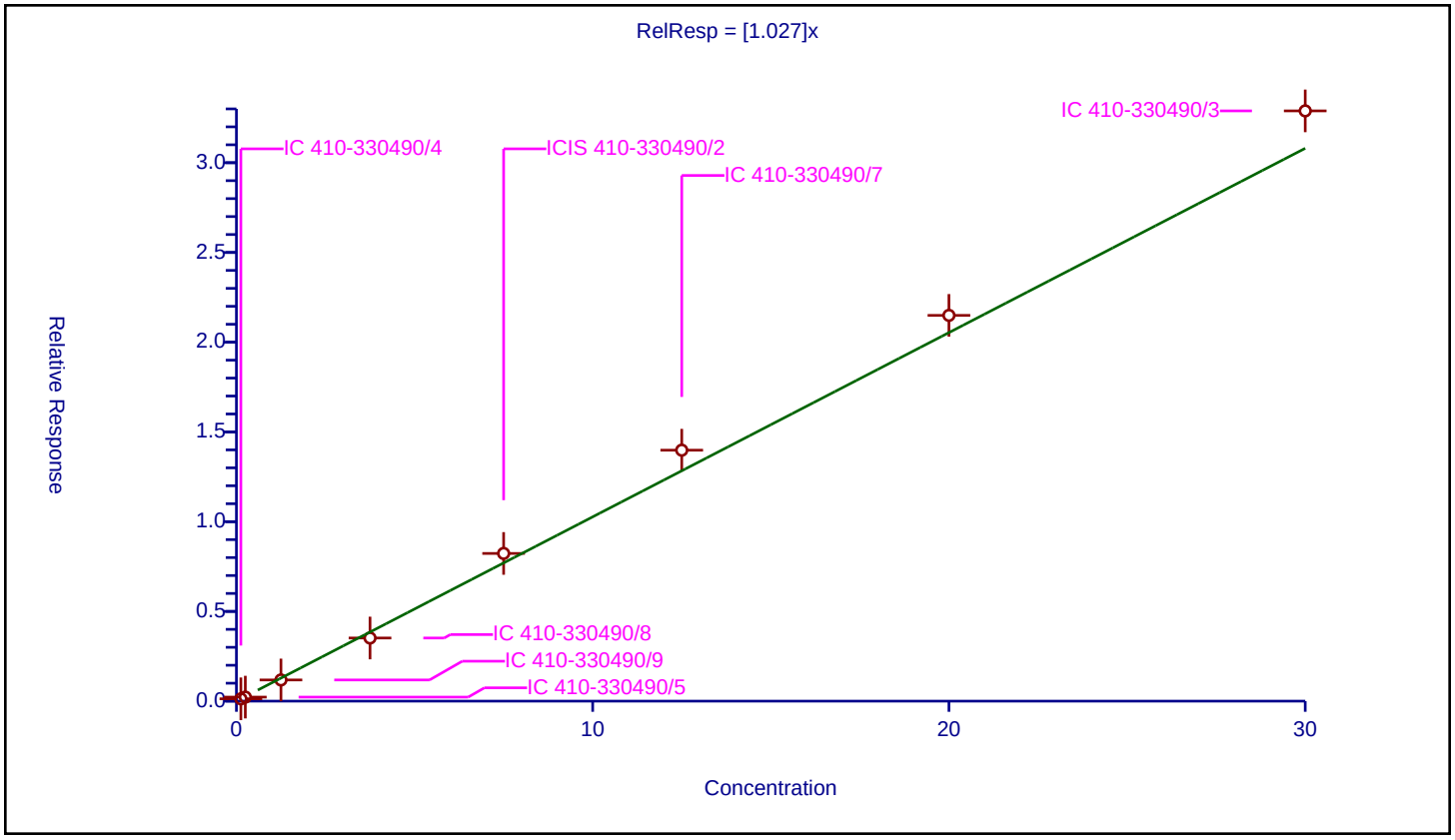
Curve Coefficients

Intercept:	0
Slope:	1.027

Error Coefficients

Standard Error:	3410000
Relative Standard Error:	8.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.130249	5.0	942081.0	1.041991	Y
2	IC 410-330490/5	0.25	0.225505	5.0	893770.0	0.902022	Y
3	IC 410-330490/9	1.25	1.180943	5.0	1089447.0	0.944755	Y
4	IC 410-330490/8	3.75	3.518537	5.0	1331545.0	0.938276	Y
5	ICIS 410-330490/2	7.5	8.230412	5.0	908497.0	1.097388	Y
6	IC 410-330490/7	12.5	13.983004	5.0	1119685.0	1.11864	Y
7	IC 410-330490/6	20.0	21.494737	5.0	1097069.0	1.074737	Y
8	IC 410-330490/3	30.0	32.888705	5.0	1032537.0	1.09629	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

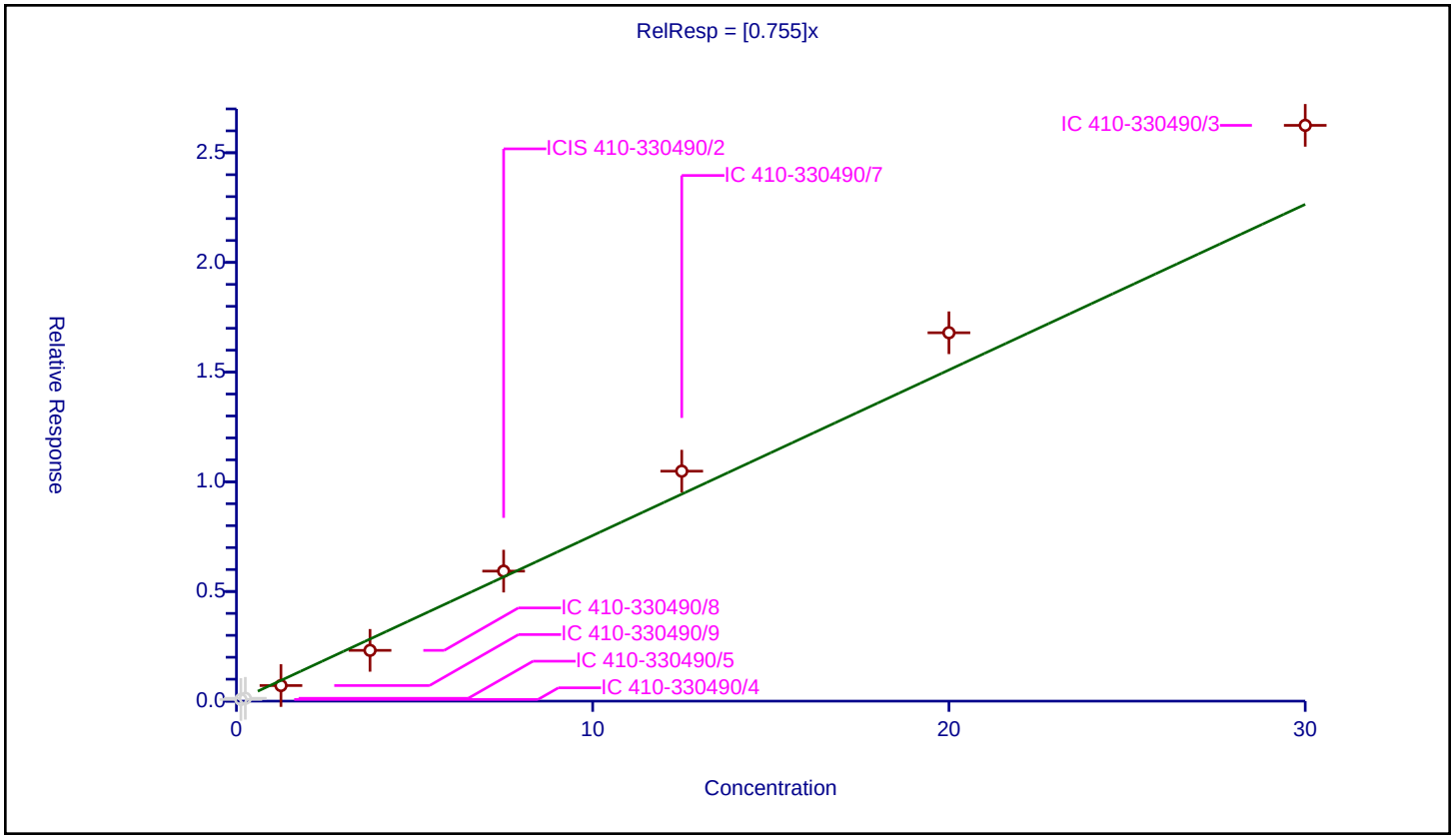
Curve Coefficients

Intercept:	0
Slope:	0.755

Error Coefficients

Standard Error:	3160000
Relative Standard Error:	17.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.076708	5.0	942081.0	0.613663	N
2	IC 410-330490/5	0.25	0.128836	5.0	893770.0	0.515345	N
3	IC 410-330490/9	1.25	0.7107	5.0	1089447.0	0.56856	Y
4	IC 410-330490/8	3.75	2.31537	5.0	1331545.0	0.617432	Y
5	ICIS 410-330490/2	7.5	5.926844	5.0	908497.0	0.790246	Y
6	IC 410-330490/7	12.5	10.484726	5.0	1119685.0	0.838778	Y
7	IC 410-330490/6	20.0	16.795047	5.0	1097069.0	0.839752	Y
8	IC 410-330490/3	30.0	26.249699	5.0	1032537.0	0.87499	Y



Calibration / 6-Methylchrysene

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

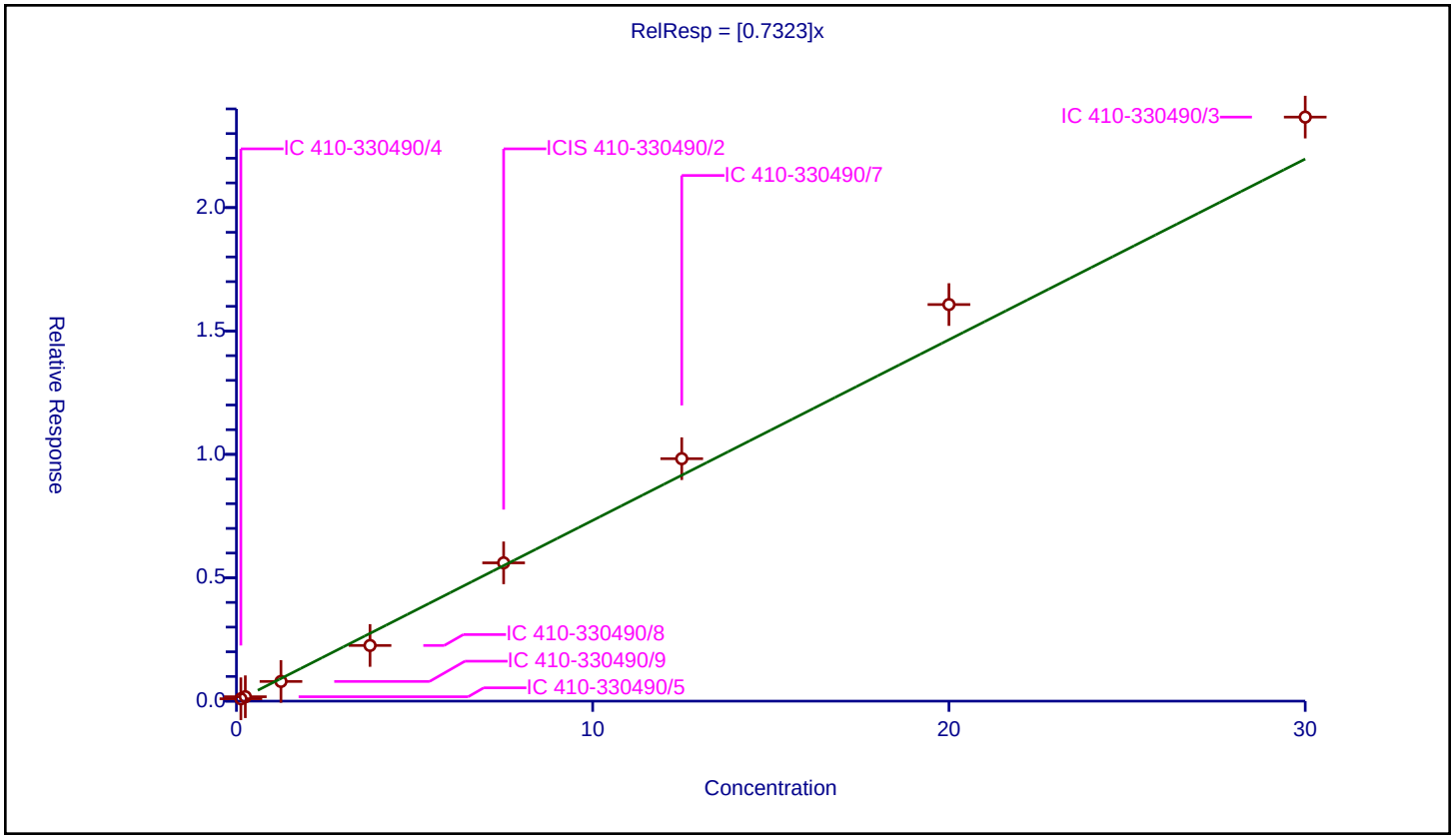
Curve Coefficients

Intercept:	0
Slope:	0.7323

Error Coefficients

Standard Error:	2470000
Relative Standard Error:	10.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.097099	5.0	942081.0	0.776791	Y
2	IC 410-330490/5	0.25	0.179079	5.0	893770.0	0.716314	Y
3	IC 410-330490/9	1.25	0.797703	5.0	1089447.0	0.638162	Y
4	IC 410-330490/8	3.75	2.256	5.0	1331545.0	0.6016	Y
5	ICIS 410-330490/2	7.5	5.604223	5.0	908497.0	0.74723	Y
6	IC 410-330490/7	12.5	9.825085	5.0	1119685.0	0.786007	Y
7	IC 410-330490/6	20.0	16.071209	5.0	1097069.0	0.80356	Y
8	IC 410-330490/3	30.0	23.667442	5.0	1032537.0	0.788915	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

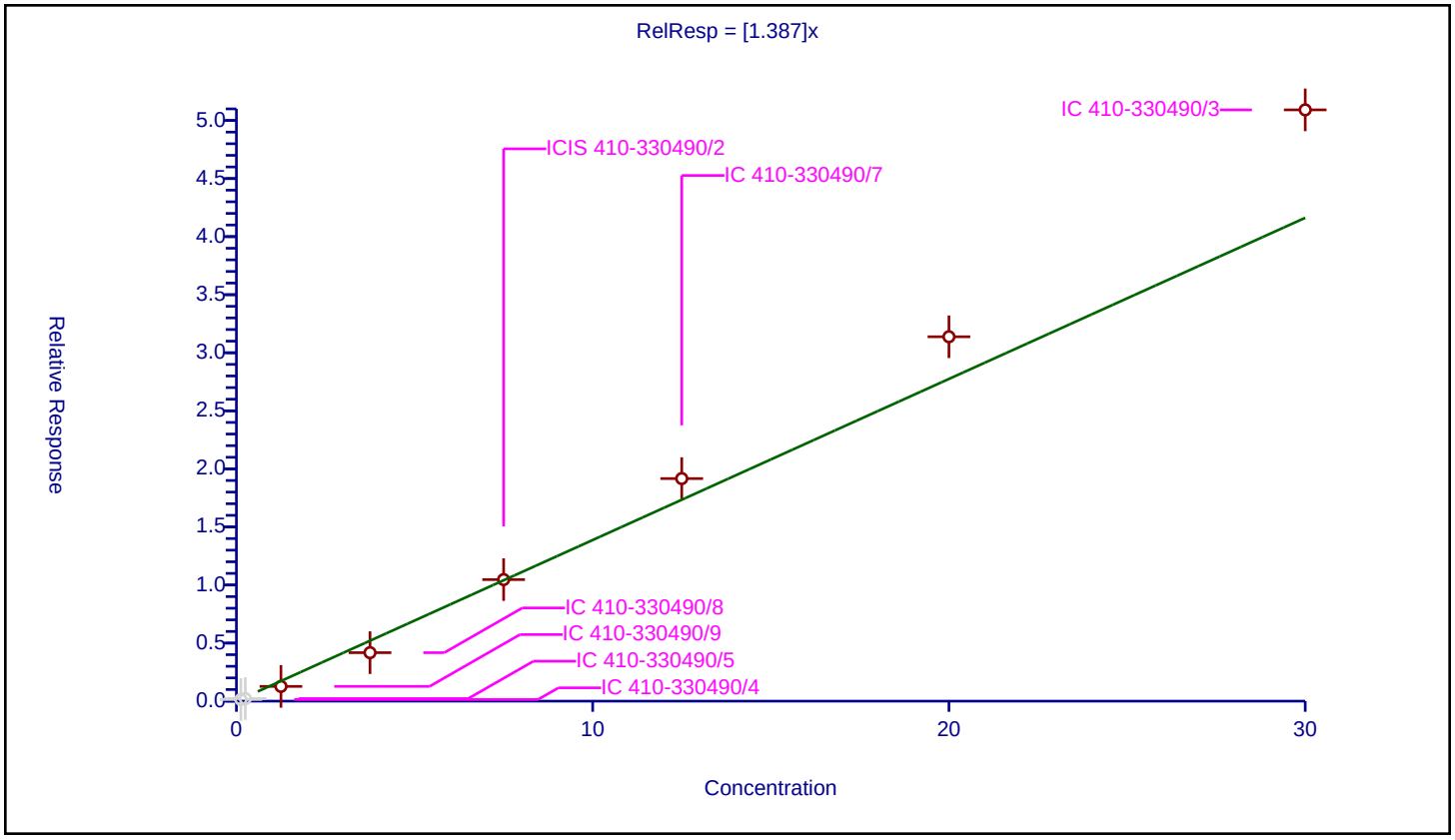
Curve Coefficients

Intercept:	0
Slope:	1.387

Error Coefficients

Standard Error:	5130000
Relative Standard Error:	19.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.141211	5.0	762442.0	1.129686	N
2	IC 410-330490/5	0.25	0.220487	5.0	738344.0	0.881947	N
3	IC 410-330490/9	1.25	1.269301	5.0	859075.0	1.015441	Y
4	IC 410-330490/8	3.75	4.175595	5.0	1080288.0	1.113492	Y
5	ICIS 410-330490/2	7.5	10.466908	5.0	763094.0	1.395588	Y
6	IC 410-330490/7	12.5	19.16625	5.0	969457.0	1.5333	Y
7	IC 410-330490/6	20.0	31.378373	5.0	944530.0	1.568919	Y
8	IC 410-330490/3	30.0	50.915383	5.0	874361.0	1.697179	Y



Calibration / 7,12-Dimethylbenz(a)anthracene

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

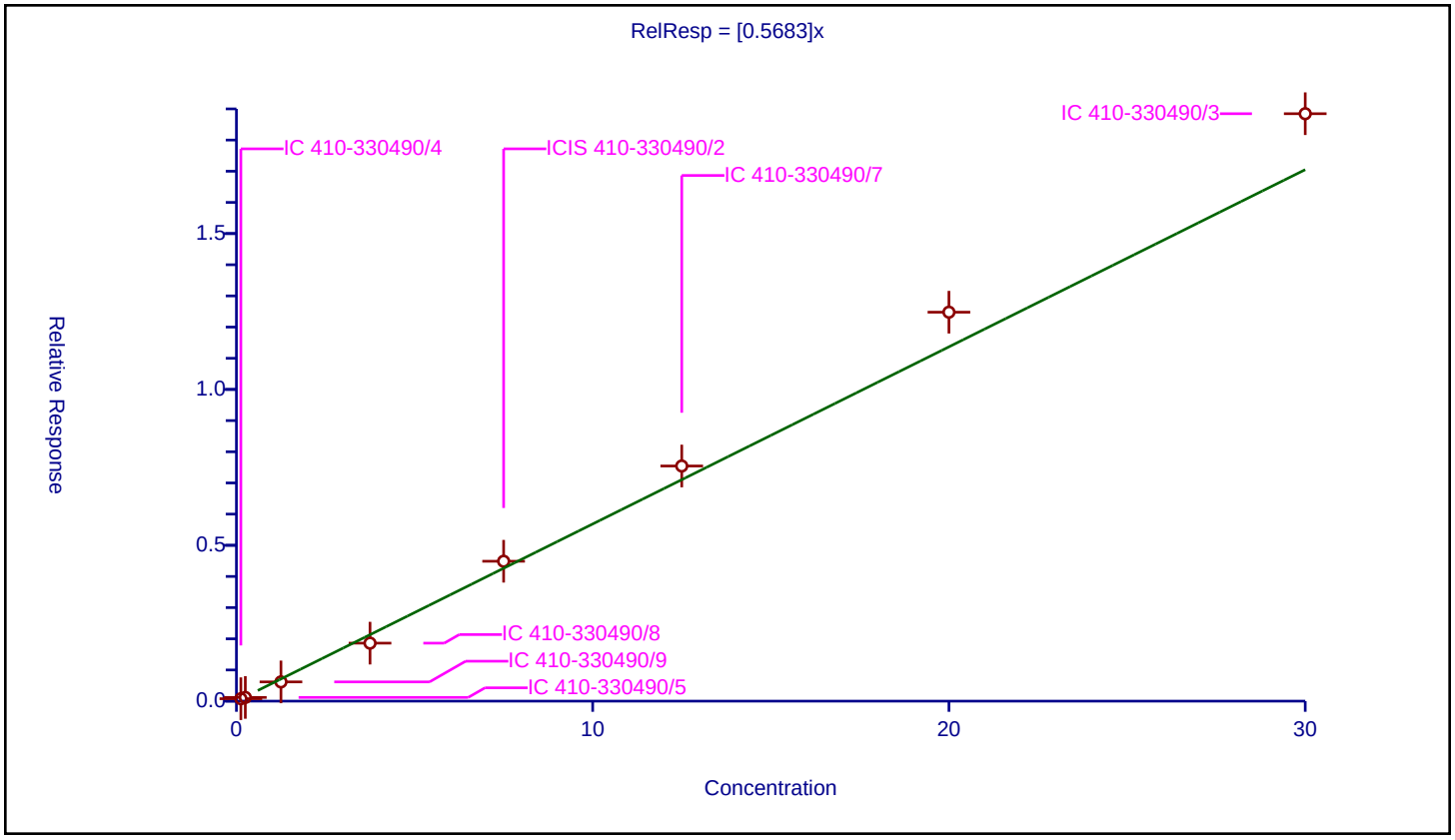
Curve Coefficients

Intercept:	0
Slope:	0.5683

Error Coefficients

Standard Error:	1660000
Relative Standard Error:	11.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.078288	5.0	762442.0	0.626303	Y
2	IC 410-330490/5	0.25	0.119043	5.0	738344.0	0.476174	Y
3	IC 410-330490/9	1.25	0.617653	5.0	859075.0	0.494122	Y
4	IC 410-330490/8	3.75	1.860606	5.0	1080288.0	0.496162	Y
5	ICIS 410-330490/2	7.5	4.488019	5.0	763094.0	0.598402	Y
6	IC 410-330490/7	12.5	7.543156	5.0	969457.0	0.603452	Y
7	IC 410-330490/6	20.0	12.4781	5.0	944530.0	0.623905	Y
8	IC 410-330490/3	30.0	18.845626	5.0	874361.0	0.628188	Y



Calibration / Benzo[b]fluoranthene

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

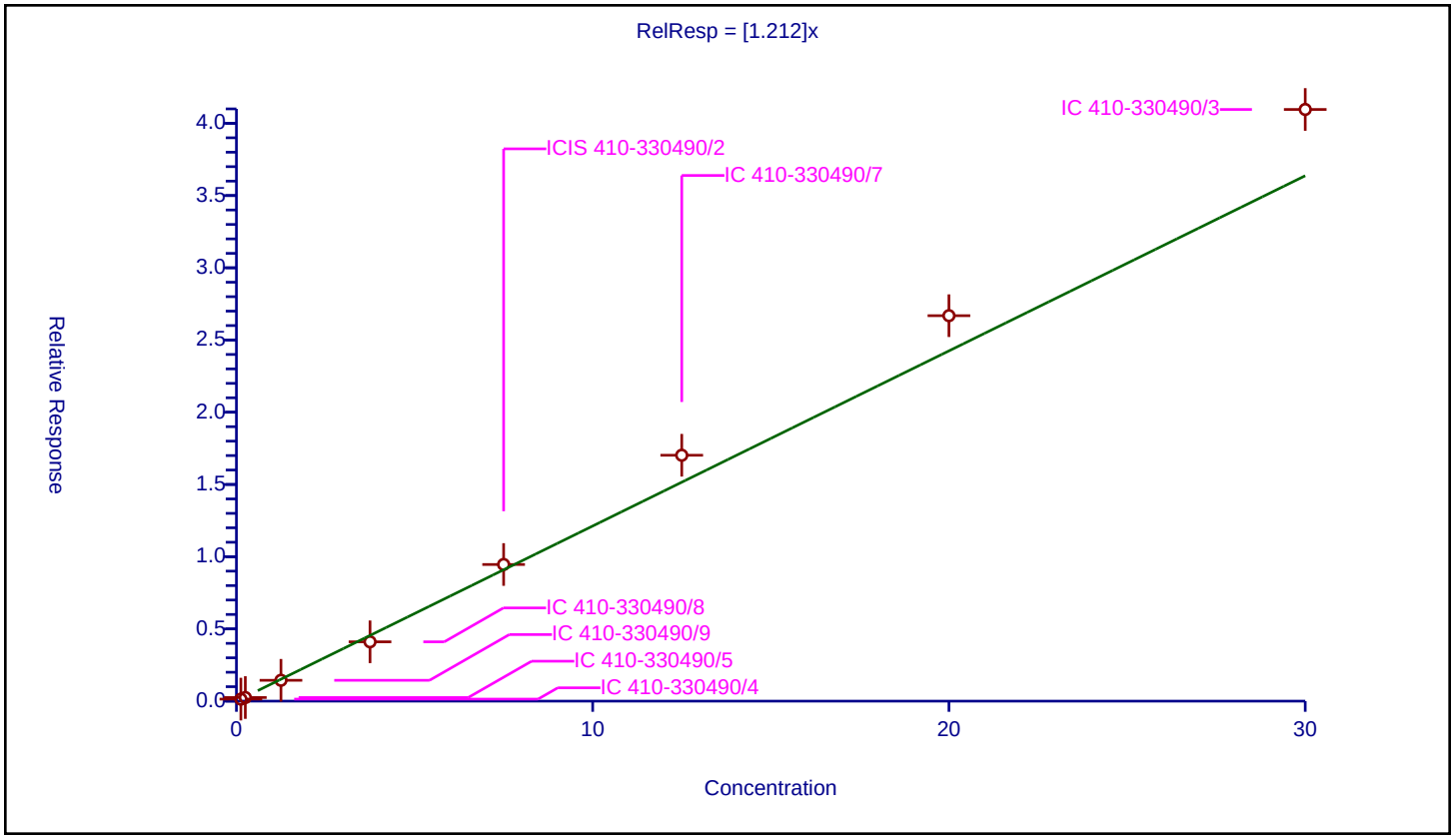
Curve Coefficients

Intercept:	0
Slope:	1.212

Error Coefficients

Standard Error:	3600000
Relative Standard Error:	11.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.140804	5.0	762442.0	1.126433	Y
2	IC 410-330490/5	0.25	0.250073	5.0	738344.0	1.000293	Y
3	IC 410-330490/9	1.25	1.443128	5.0	859075.0	1.154502	Y
4	IC 410-330490/8	3.75	4.107257	5.0	1080288.0	1.095268	Y
5	ICIS 410-330490/2	7.5	9.459916	5.0	763094.0	1.261322	Y
6	IC 410-330490/7	12.5	17.022684	5.0	969457.0	1.361815	Y
7	IC 410-330490/6	20.0	26.684118	5.0	944530.0	1.334206	Y
8	IC 410-330490/3	30.0	40.959695	5.0	874361.0	1.365323	Y



Calibration / Benzo[k]fluoranthene

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

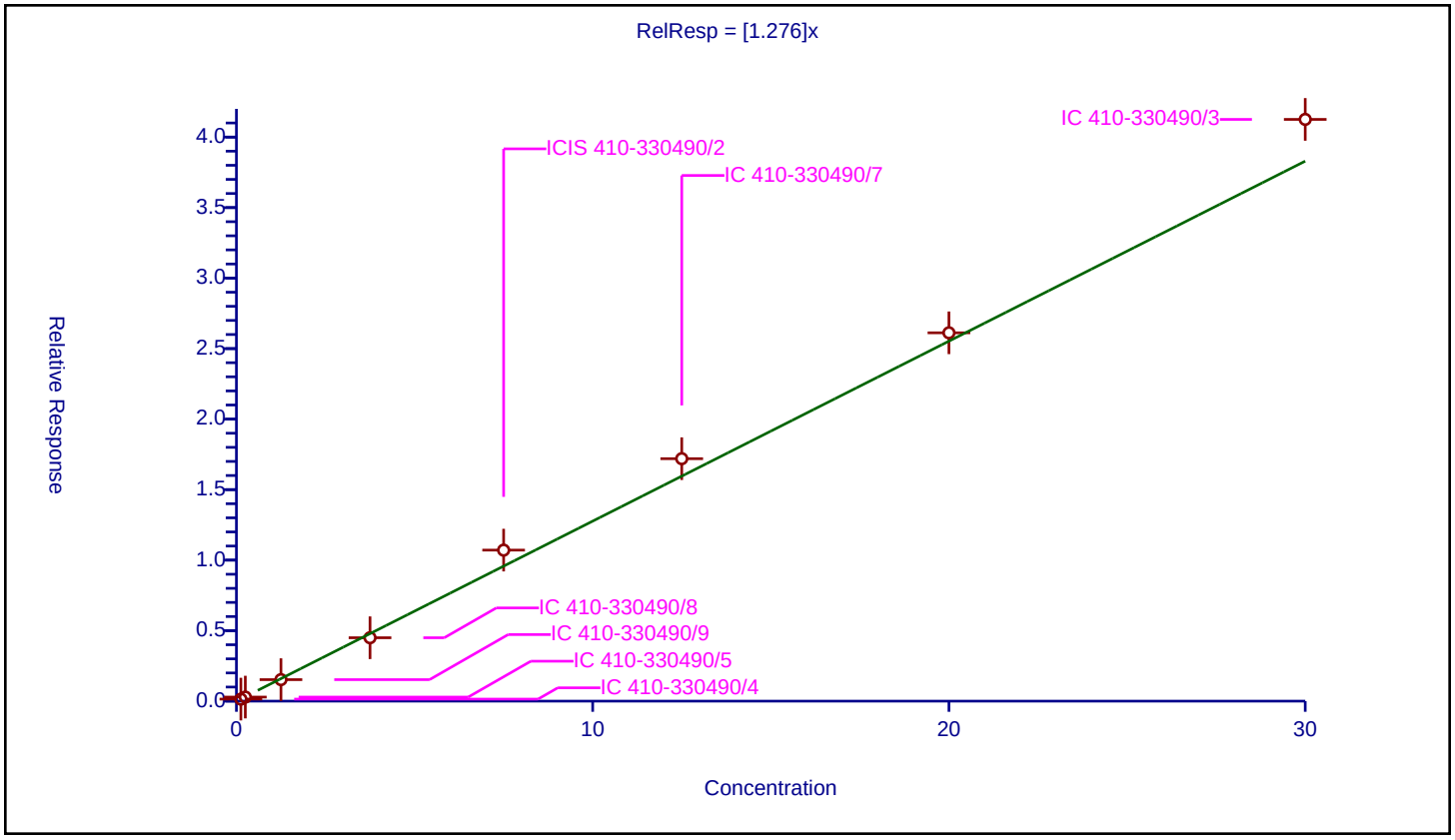
Curve Coefficients

Intercept:	0
Slope:	1.276

Error Coefficients

Standard Error:	3610000
Relative Standard Error:	8.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.144581	5.0	762442.0	1.156652	Y
2	IC 410-330490/5	0.25	0.287718	5.0	738344.0	1.150873	Y
3	IC 410-330490/9	1.25	1.52581	5.0	859075.0	1.220648	Y
4	IC 410-330490/8	3.75	4.496616	5.0	1080288.0	1.199098	Y
5	ICIS 410-330490/2	7.5	10.709408	5.0	763094.0	1.427921	Y
6	IC 410-330490/7	12.5	17.194455	5.0	969457.0	1.375556	Y
7	IC 410-330490/6	20.0	26.120271	5.0	944530.0	1.306014	Y
8	IC 410-330490/3	30.0	41.254202	5.0	874361.0	1.37514	Y



Calibration / Benzo[a]pyrene

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

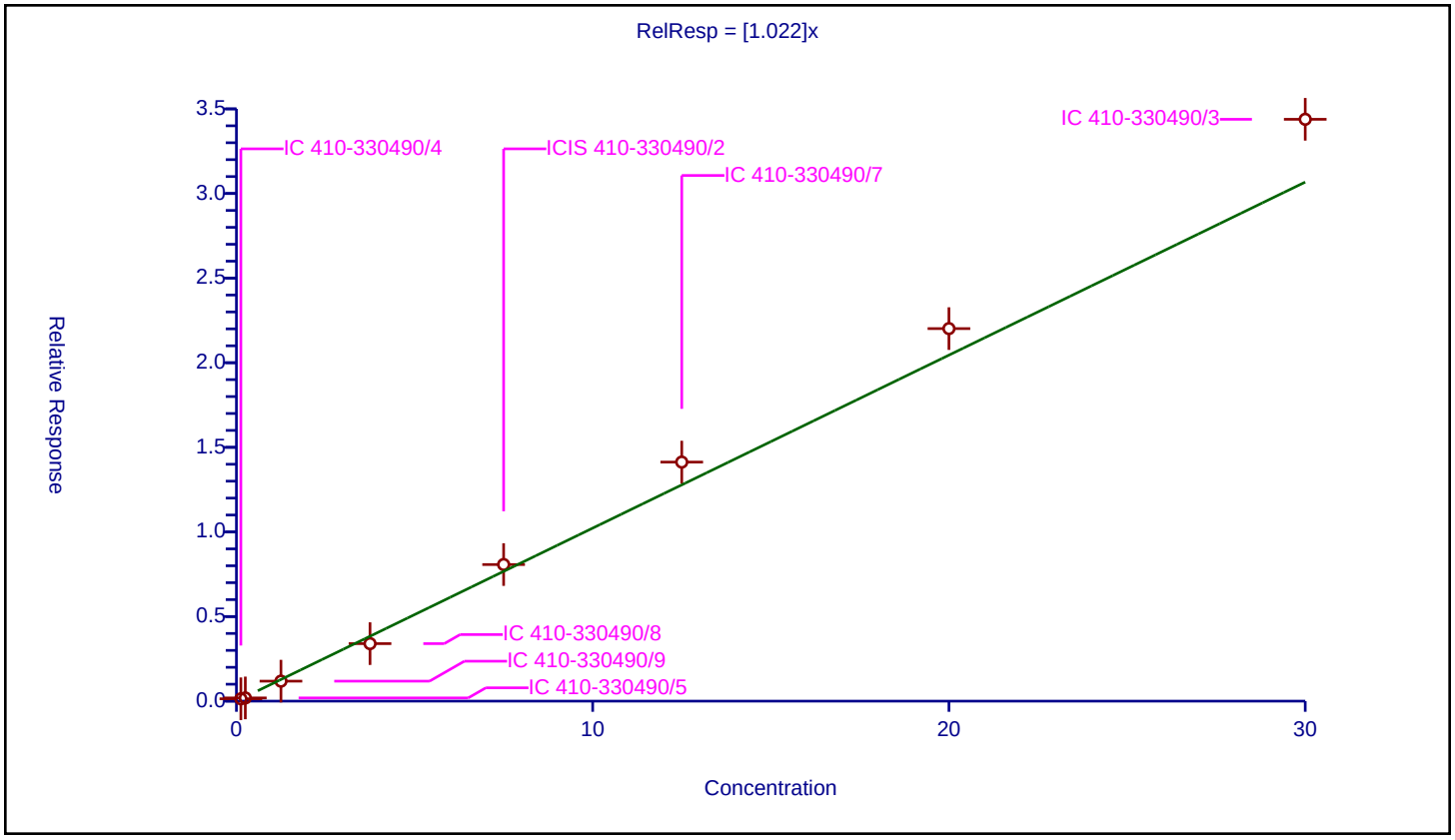
Curve Coefficients

Intercept:	0
Slope:	1.022

Error Coefficients

Standard Error:	3000000
Relative Standard Error:	13.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.139361	5.0	762442.0	1.114891	Y
2	IC 410-330490/5	0.25	0.189905	5.0	738344.0	0.759619	Y
3	IC 410-330490/9	1.25	1.181131	5.0	859075.0	0.944905	Y
4	IC 410-330490/8	3.75	3.399783	5.0	1080288.0	0.906609	Y
5	ICIS 410-330490/2	7.5	8.072944	5.0	763094.0	1.076393	Y
6	IC 410-330490/7	12.5	14.127635	5.0	969457.0	1.130211	Y
7	IC 410-330490/6	20.0	22.016045	5.0	944530.0	1.100802	Y
8	IC 410-330490/3	30.0	34.385105	5.0	874361.0	1.14617	Y



Calibration / 3-Methylcholanthrene

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

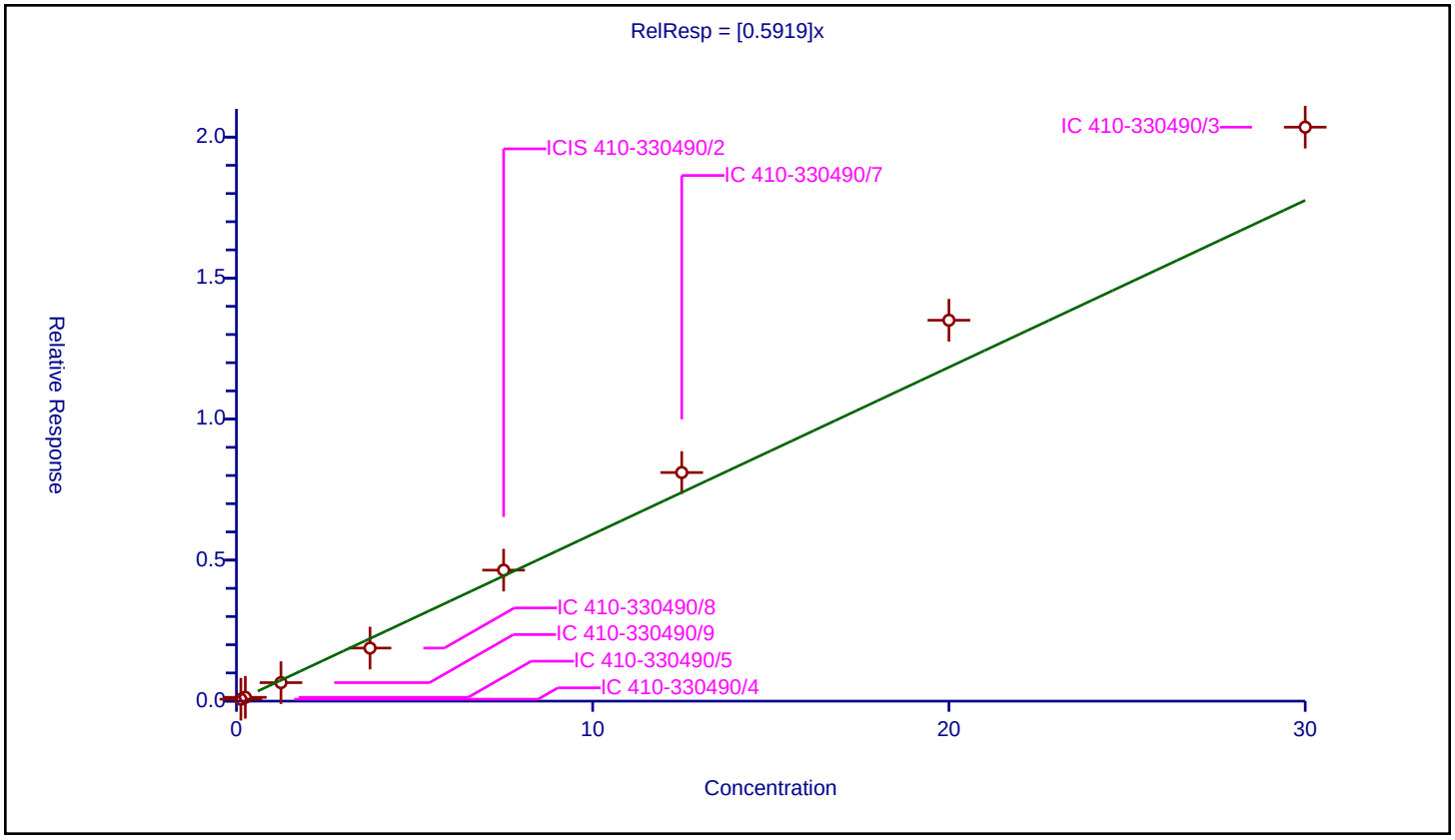
Curve Coefficients

Intercept:	0
Slope:	0.5919

Error Coefficients

Standard Error:	1790000
Relative Standard Error:	12.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.068274	5.0	762442.0	0.546192	Y
2	IC 410-330490/5	0.25	0.13533	5.0	738344.0	0.541319	Y
3	IC 410-330490/9	1.25	0.655618	5.0	859075.0	0.524494	Y
4	IC 410-330490/8	3.75	1.881882	5.0	1080288.0	0.501835	Y
5	ICIS 410-330490/2	7.5	4.644873	5.0	763094.0	0.619316	Y
6	IC 410-330490/7	12.5	8.106296	5.0	969457.0	0.648504	Y
7	IC 410-330490/6	20.0	13.506183	5.0	944530.0	0.675309	Y
8	IC 410-330490/3	30.0	20.352389	5.0	874361.0	0.678413	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

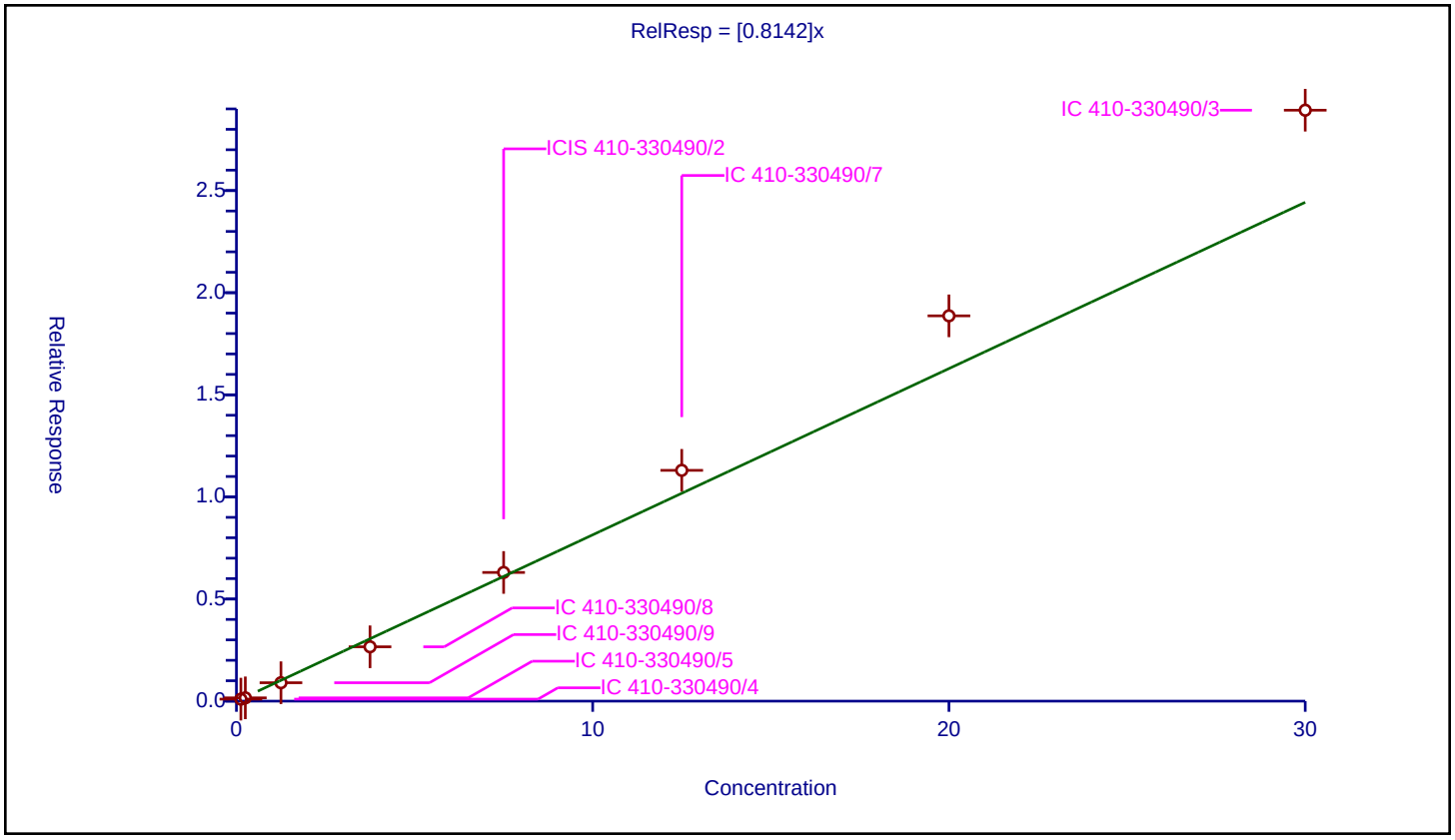
Curve Coefficients

Intercept:	0
Slope:	0.8142

Error Coefficients

Standard Error:	2520000
Relative Standard Error:	14.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.098506	5.0	762442.0	0.788047	Y
2	IC 410-330490/5	0.25	0.160684	5.0	738344.0	0.642736	Y
3	IC 410-330490/9	1.25	0.901406	5.0	859075.0	0.721124	Y
4	IC 410-330490/8	3.75	2.66142	5.0	1080288.0	0.709712	Y
5	ICIS 410-330490/2	7.5	6.301399	5.0	763094.0	0.840187	Y
6	IC 410-330490/7	12.5	11.301662	5.0	969457.0	0.904133	Y
7	IC 410-330490/6	20.0	18.866431	5.0	944530.0	0.943322	Y
8	IC 410-330490/3	30.0	28.935926	5.0	874361.0	0.964531	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

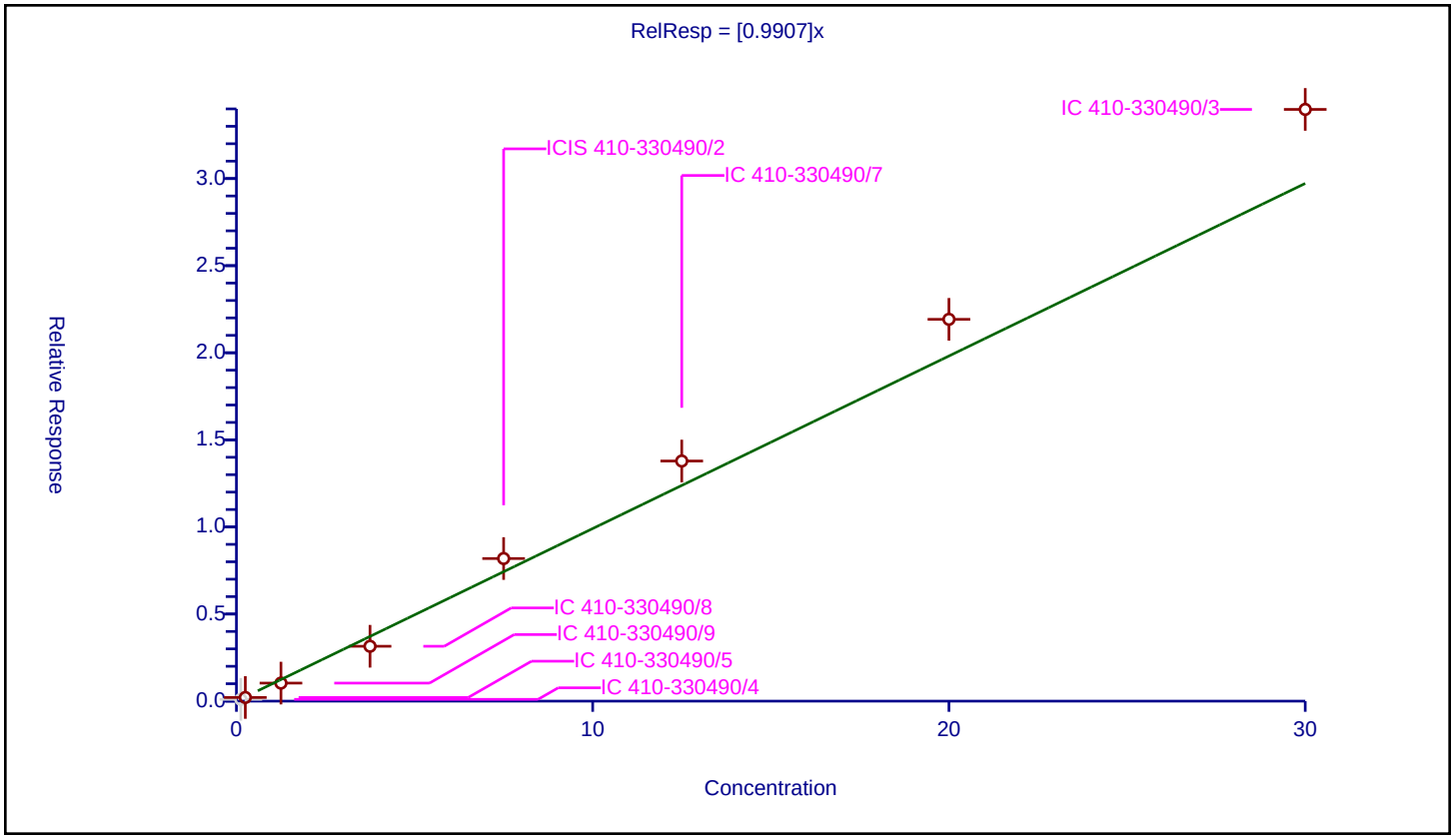
Curve Coefficients

Intercept:	0
Slope:	0.9907

Error Coefficients

Standard Error:	3210000
Relative Standard Error:	14.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.102768	5.0	762442.0	0.822148	N
2	IC 410-330490/5	0.25	0.210742	5.0	738344.0	0.842968	Y
3	IC 410-330490/9	1.25	1.036213	5.0	859075.0	0.828971	Y
4	IC 410-330490/8	3.75	3.150956	5.0	1080288.0	0.840255	Y
5	ICIS 410-330490/2	7.5	8.186469	5.0	763094.0	1.091529	Y
6	IC 410-330490/7	12.5	13.784113	5.0	969457.0	1.102729	Y
7	IC 410-330490/6	20.0	21.919928	5.0	944530.0	1.095996	Y
8	IC 410-330490/3	30.0	33.969813	5.0	874361.0	1.132327	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

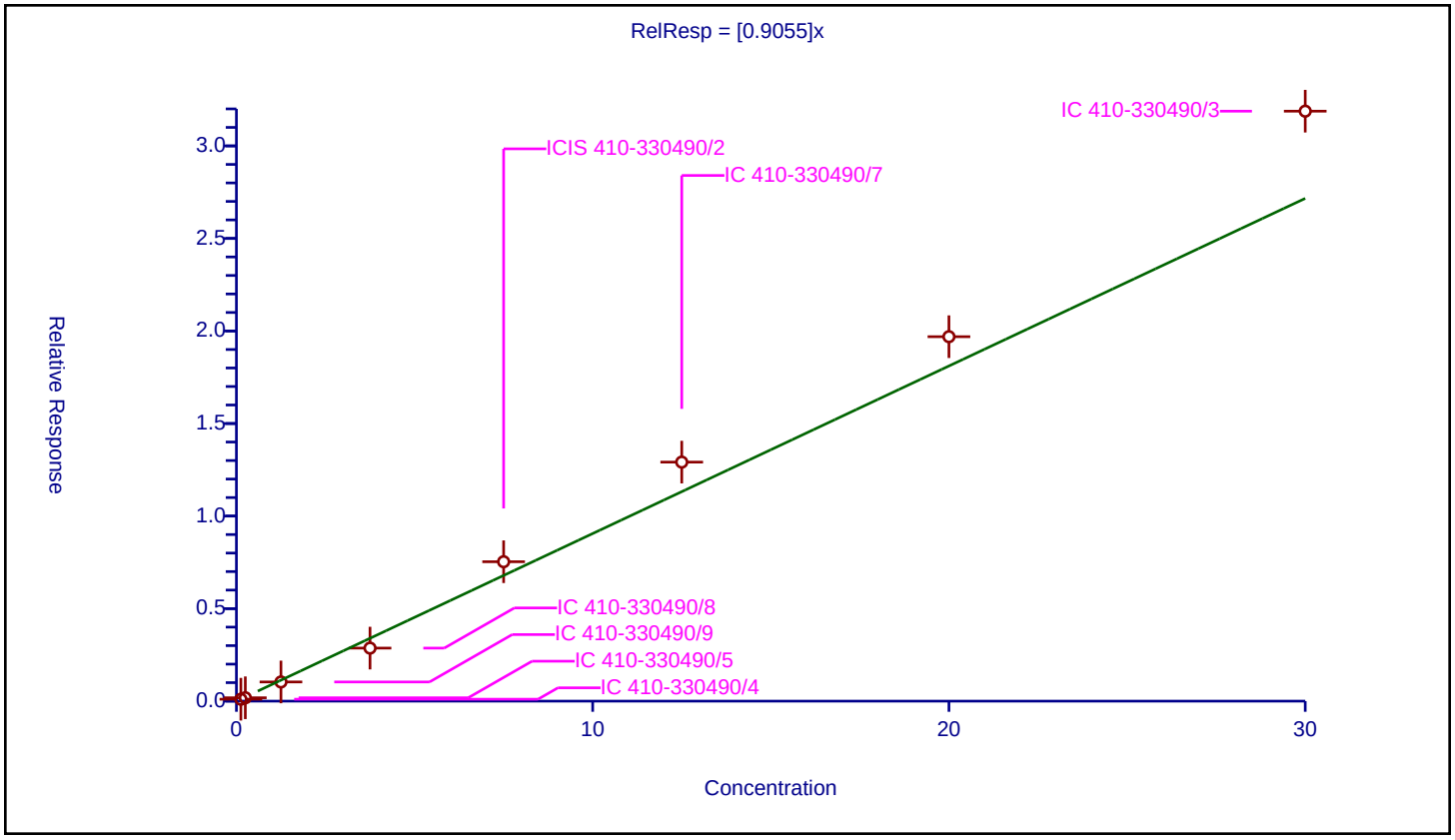
Curve Coefficients

Intercept:	0
Slope:	0.9055

Error Coefficients

Standard Error:	2750000
Relative Standard Error:	14.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.104605	5.0	762442.0	0.836837	Y
2	IC 410-330490/5	0.25	0.182131	5.0	738344.0	0.728522	Y
3	IC 410-330490/9	1.25	1.036755	5.0	859075.0	0.829404	Y
4	IC 410-330490/8	3.75	2.865722	5.0	1080288.0	0.764193	Y
5	ICIS 410-330490/2	7.5	7.533403	5.0	763094.0	1.004454	Y
6	IC 410-330490/7	12.5	12.914812	5.0	969457.0	1.033185	Y
7	IC 410-330490/6	20.0	19.692011	5.0	944530.0	0.984601	Y
8	IC 410-330490/3	30.0	31.876056	5.0	874361.0	1.062535	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

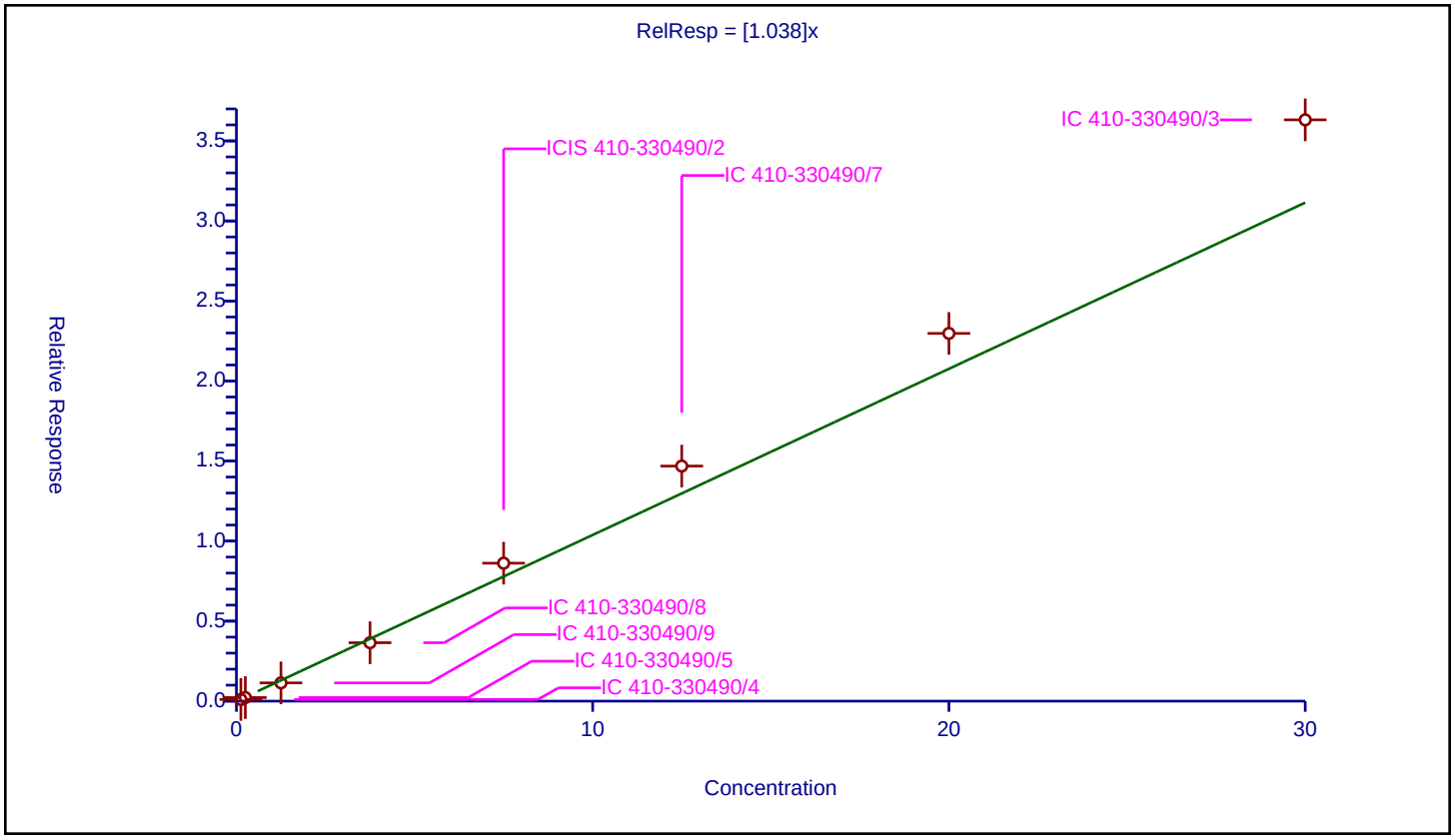
Curve Coefficients

Intercept:	0
Slope:	1.038

Error Coefficients

Standard Error:	3150000
Relative Standard Error:	14.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.105142	5.0	762442.0	0.841139	Y
2	IC 410-330490/5	0.25	0.22373	5.0	738344.0	0.894922	Y
3	IC 410-330490/9	1.25	1.140692	5.0	859075.0	0.912554	Y
4	IC 410-330490/8	3.75	3.649101	5.0	1080288.0	0.973094	Y
5	ICIS 410-330490/2	7.5	8.618283	5.0	763094.0	1.149104	Y
6	IC 410-330490/7	12.5	14.685499	5.0	969457.0	1.17484	Y
7	IC 410-330490/6	20.0	22.97332	5.0	944530.0	1.148666	Y
8	IC 410-330490/3	30.0	36.315509	5.0	874361.0	1.210517	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

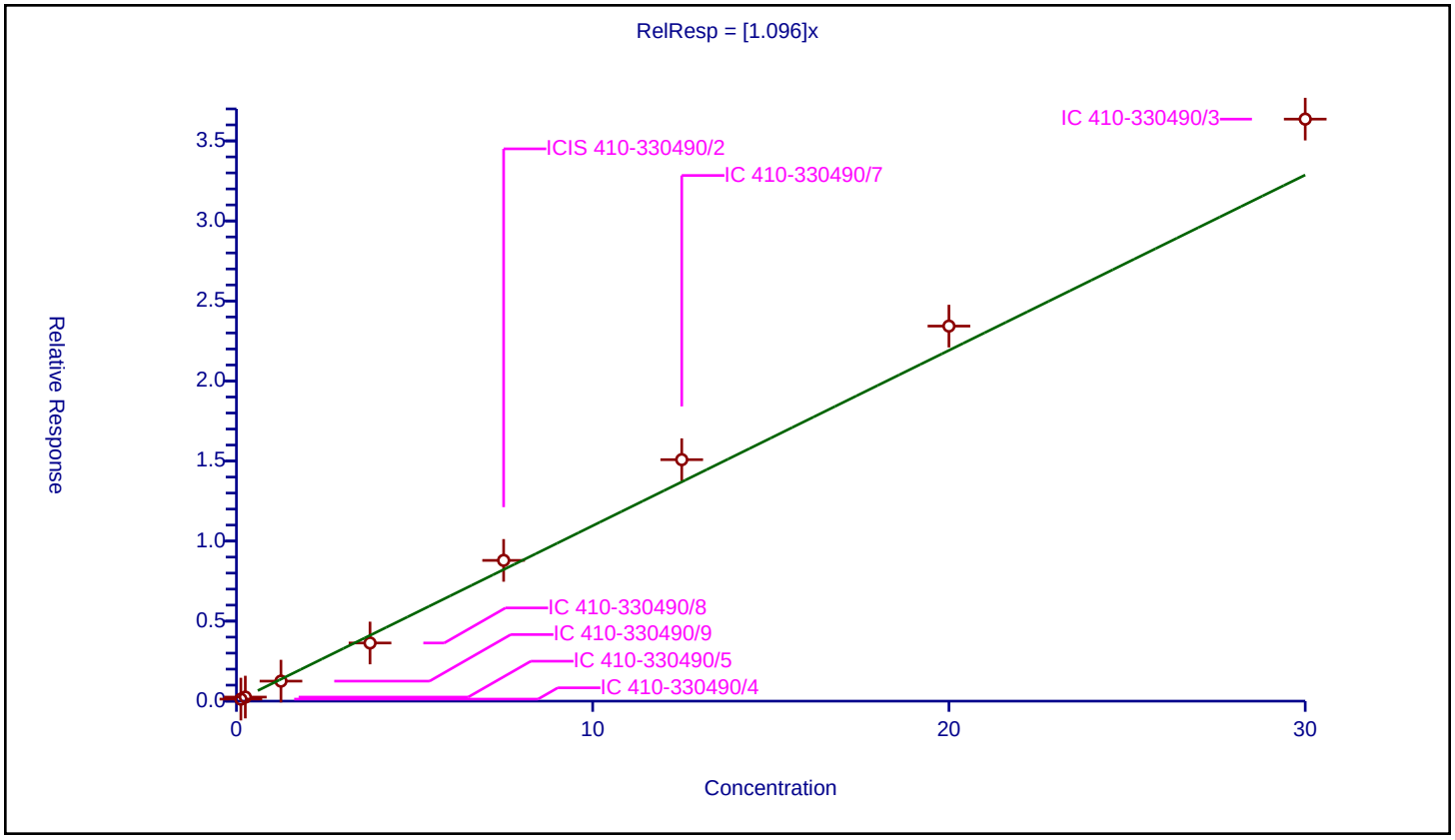
Curve Coefficients

Intercept:	0
Slope:	1.096

Error Coefficients

Standard Error:	3190000
Relative Standard Error:	9.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-330490/4	0.125	0.12721	5.0	762442.0	1.017677	Y
2	IC 410-330490/5	0.25	0.254075	5.0	738344.0	1.016301	Y
3	IC 410-330490/9	1.25	1.250461	5.0	859075.0	1.000369	Y
4	IC 410-330490/8	3.75	3.632957	5.0	1080288.0	0.968789	Y
5	ICIS 410-330490/2	7.5	8.793163	5.0	763094.0	1.172422	Y
6	IC 410-330490/7	12.5	15.085862	5.0	969457.0	1.206869	Y
7	IC 410-330490/6	20.0	23.430696	5.0	944530.0	1.171535	Y
8	IC 410-330490/3	30.0	36.361669	5.0	874361.0	1.212056	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-356566/12 Calibration Date: 03/23/2023 17:14

Instrument ID: HP19760 Calib Start Date: 11/14/2022 19:39

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/14/2022 21:19

Lab File ID: DC2321.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Lin1					12.5		30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2321.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 23-Mar-2023 17:14:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0079683-012
Operator ID: em10340 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 19:32:37 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: P7EB Date: 23-Mar-2023 17:46:32

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	1.965	1.965	0.000	94	400468	12.5	12.1	
3 N-Nitrosodimethylamine	74	2.192	2.192	0.000	93	598189	12.5	11.7	
4 Pyridine	79	2.233	2.233	0.000	98	1897155	25.0	22.6	
7 2-Picoline	93	2.834	2.834	0.000	90	973193	12.5	12.2	
8 N-Nitrosomethylethylamine	88	2.921	2.921	0.000	91	416765	12.5	11.9	
9 Methyl methanesulfonate	80	3.195	3.195	0.000	85	505252	12.5	11.2	
11 N-Nitrosodiethylamine	102	3.574	3.574	0.000	95	398525	12.5	12.5	
12 Ethyl methanesulfonate	109	3.854	3.854	0.000	97	391076	12.5	11.3	
17 Phenol	94	4.227	4.227	0.000	94	1075710	12.5	12.5	
18 Aniline	93	4.279	4.279	0.000	96	1328016	12.5	12.4	
19 Bis(2-chloroethyl)ether	93	4.332	4.332	0.000	96	870008	12.5	12.2	
20 2-Chlorophenol	128	4.390	4.390	0.000	92	676686	12.5	12.9	
21 1,3-Dichlorobenzene	146	4.541	4.541	0.000	93	749490	12.5	12.5	
* 22 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	95	199616	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.611	4.611	0.000	89	767580	12.5	12.3	
25 Benzyl alcohol	108	4.710	4.710	0.000	89	505343	12.5	12.4	
26 1,2-Dichlorobenzene	146	4.751	4.751	0.000	91	715152	12.5	12.4	
28 2-Methylphenol	108	4.810	4.810	0.000	96	723648	12.5	12.9	
29 2,2'-oxybis[1-chloropropane]	45	4.850	4.850	0.000	93	1037644	12.5	11.4	
31 N-Nitrosopyrrolidine	100	4.944	4.944	0.000	92	420314	12.5	12.5	
32 4-Methylphenol	108	4.955	4.955	0.000	95	763237	12.5	12.9	
33 N-Nitrosodi-n-propylamine	70	4.967	4.967	0.000	74	708410	12.5	12.4	
34 Acetophenone	105	4.973	4.973	0.000	95	1193168	12.5	13.0	
35 N-Nitrosomorpholine	56	4.984	4.984	0.000	90	512670	12.5	11.7	
36 2-Toluidine	106	5.002	5.002	0.000	95	1286385	12.5	12.6	
38 Hexachloroethane	117	5.078	5.078	0.000	97	325013	12.5	12.4	
40 Nitrobenzene	77	5.130	5.130	0.000	85	972845	12.5	12.5	
42 N-Nitrosopiperidine	114	5.276	5.276	0.000	85	364440	12.5	12.7	
43 Isophorone	82	5.357	5.357	0.000	96	1734105	12.5	12.9	
44 2-Nitrophenol	139	5.433	5.433	0.000	89	316137	12.5	13.5	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
45	2,4-Dimethylphenol	107	5.468	5.468	0.000	98	792740	12.5	13.5	
46	o,o',o''-Triethylphosphorothioat	198	5.538	5.538	0.000	94	329061	12.5	12.9	
47	Bis(2-chloroethoxy)methane	93	5.567	5.567	0.000	99	1079856	12.5	13.1	
48	2,4-Dichlorophenol	162	5.660	5.660	0.000	96	555049	12.5	13.8	
49	1,2,4-Trichlorobenzene	180	5.748	5.748	0.000	92	630121	12.5	12.9	
* 50	Naphthalene-d8	136	5.800	5.800	0.000	99	728907	5.00	5.00	
51	Naphthalene	128	5.824	5.824	0.000	98	2000455	12.5	12.8	
53	4-Chloroaniline	127	5.865	5.865	0.000	93	852591	12.5	13.8	
54	2,6-Dichlorophenol	162	5.876	5.876	0.000	95	564702	12.5	13.8	
55	Hexachloropropene	213	5.905	5.905	0.000	90	387002	12.5	11.8	
56	Hexachlorobutadiene	225	5.940	5.940	0.000	96	356253	12.5	12.8	
60	Quinoline	129	6.138	6.138	0.000	93	1283944	12.5	12.9	
62	N-Nitrosodi-n-butylamine	84	6.185	6.185	0.000	92	625397	12.5	10.8	
63	p-Phenylene diamine	108		6.197				ND	ND	U
64	4-Chloro-3-methylphenol	107	6.319	6.319	0.000	91	713244	12.5	13.7	
65	Safrole, Total	162	6.395	6.395	0.000	85	512036	12.5	13.0	
66	2-Methylnaphthalene	142	6.477	6.477	0.000	91	1300564	12.5	13.1	
67	1-Methylnaphthalene	142	6.570	6.570	0.000	92	1215238	12.5	13.2	
68	Hexachlorocyclopentadiene	237		6.628				ND	ND	U
69	1,2,4,5-Tetrachlorobenzene	216	6.634	6.634	0.000	98	652399	12.5	12.4	
70	Isosafrole Peak 1	162	6.669	6.669	0.000	84	65344	1.50	1.38	
71	2,4,6-Trichlorophenol	196	6.739	6.739	0.000	95	393100	12.5	12.9	
72	2,4,5-Trichlorophenol	196	6.768	6.768	0.000	93	446787	12.5	13.5	
74	Isosafrole Peak 2	162	6.885	6.885	0.000	87	532558	11.0	10.6	
75	1,1'-Biphenyl	154	6.919	6.919	0.000	95	1614824	12.5	12.5	
76	2-Chloronaphthalene	162	6.937	6.937	0.000	96	1232494	12.5	12.3	
77	1-Chloronaphthalene	162	6.960	6.960	0.000	96	1174292	12.5	12.2	
78	Phenyl ether	170	7.024	7.024	0.000	88	859584	12.5	12.1	
79	2-Nitroaniline	138	7.030	7.030	0.000	74	391875	12.5	13.2	
81	1,4-Naphthoquinone	158	7.106	7.106	0.000	79	468616	12.5	12.8	
86	1,3-Dinitrobenzene	168	7.164	7.164	0.000	83	193594	12.5	12.8	
85	Dimethyl phthalate	163	7.205	7.205	0.000	97	1444952	12.5	13.0	
84	1,4-Dinitrobenzene	168	7.228	7.228	0.000	83	230375	12.5	13.7	
87	2,6-Dinitrotoluene	165	7.263	7.263	0.000	87	315218	12.5	13.4	
88	Acenaphthylene	152	7.333	7.333	0.000	99	2009108	12.5	12.6	
89	3-Nitroaniline	138	7.415	7.415	0.000	87	352797	12.5	13.8	
* 90	Acenaphthene-d10	164	7.462	7.462	0.000	95	413430	5.00	5.00	
91	Acenaphthene	153	7.497	7.497	0.000	97	1298132	12.5	12.7	
92	2,4-Dinitrophenol	184	7.514	7.514	0.000	79	404073	25.0	25.1	
93	4-Nitrophenol	109	7.566	7.566	0.000	82	513084	25.0	28.0	
94	Pentachlorobenzene	250	7.619	7.619	0.000	97	521931	12.5	11.8	
95	2,4-Dinitrotoluene	165	7.642	7.642	0.000	87	435496	12.5	13.8	
96	Dibenzofuran	168	7.660	7.660	0.000	96	1775110	12.5	12.5	
97	1-Naphthylamine	143	7.730	7.730	0.000	97	1154243	12.5	12.9	
98	2,3,4,6-Tetrachlorophenol	232	7.770	7.770	0.000	74	385217	12.5	13.8	
99	2-Naphthylamine	143	7.805	7.805	0.000	94	1345840	12.5	13.2	
100	Diethyl phthalate	149	7.875	7.875	0.000	97	1413197	12.5	13.5	
101	Thionazin	107	7.951	7.951	0.000	78	277153	12.5	13.0	
102	Fluorene	166	7.980	7.980	0.000	93	1454420	12.5	12.7	
103	4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	88	730069	12.5	13.0	
104	N-Nitro-o-toluidine	152	7.992	7.992	0.000	86	411597	12.5	13.5	
105	4-Nitroaniline	138	7.992	7.992	0.000	76	379433	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
106 4,6-Dinitro-2-methylphenol	198	8.021	8.021	0.000	77	515624	25.0	27.3	
107 N-Nitrosodiphenylamine	169	8.091	8.091	0.000	63	1049521	10.6	11.1	
108 1,2-Diphenylhydrazine	77	8.132	8.132	0.000	42	2090654	12.5	12.9	
110 Sulfotepp	97	8.248	8.248	0.000	79	299236	12.5	12.1	
112 1,3,5-Trinitrobenzene	213	8.330	8.330	0.000	81	150982	12.5	12.5	
113 cis-Diallate	86	8.371	8.371	0.000	0	632883	9.38	9.26	
114 Phorate	75	8.377	8.377	0.000	95	1173867	12.5	13.2	
115 Phenacetin	108	8.382	8.382	0.000	87	813211	12.5	13.3	
116 4-Bromophenyl phenyl ether	248	8.447	8.447	0.000	70	424920	12.5	12.9	
117 trans-Diallate	86	8.458	8.458	0.000	0	220686	3.13	3.10	
118 Hexachlorobenzene	284	8.499	8.499	0.000	93	428892	12.5	12.1	
119 Dimethoate	87	8.534	8.534	0.000	97	772121	12.5	13.7	
121 Pentachlorophenol	266	8.686	8.686	0.000	92	587664	25.0	27.8	
122 4-Aminobiphenyl	169	8.691	8.691	0.000	91	1586110	12.5	12.4	
123 Pentachloronitrobenzene	237	8.697	8.697	0.000	86	189466	12.5	12.5	
124 Pronamide	173	8.750	8.750	0.000	90	656383	12.5	12.9	
125 Dinoseb	211	8.860	8.860	0.000	95	354129	12.5	12.3	
* 126 Phenanthrene-d10	188	8.872	8.872	0.000	97	785961	5.00	5.00	
127 Disulfoton	88	8.878	8.878	0.000	95	1107187	12.5	10.8	
128 Phenanthrene	178	8.895	8.895	0.000	98	2174879	12.5	12.7	
129 Anthracene	178	8.942	8.942	0.000	99	2214766	12.5	13.0	
130 Carbazole	167	9.094	9.094	0.000	96	2029322	12.5	13.4	
131 Methyl parathion	109	9.228	9.228	0.000	90	566455	12.5	13.4	
133 Di-n-butyl phthalate	149	9.432	9.432	0.000	100	2332675	12.5	14.2	
134 Ethyl Parathion	109	9.601	9.601	0.000	83	327338	12.5	13.2	
135 4-Nitroquinoline-1-oxide	190	9.624	9.624	0.000	81	162394	12.5	12.3	
S 136 Diallate	86				0		12.5	12.4	
140 Octachlorostyrene	308	9.840	9.840	0.000	93	162437	12.5	12.0	
141 Isodrin	193	9.880	9.880	0.000	90	247934	12.5	11.7	
143 Fluoranthene	202	10.020	10.020	0.000	99	2452564	12.5	13.5	
137 Aramite Peak 1	185		10.122				ND	ND	
138 Aramite Peak 2	185		10.140				ND	ND	
147 Benzidine	184	10.149	10.149	0.000	100	1270140	12.5	10.1	M
139 Aramite Peak 3	185		10.186				ND	ND	
* 149 Pyrene-d10 (IS)	212	10.218	10.218	0.000	100	822597	5.00	5.00	
150 Pyrene	202	10.236	10.236	0.000	96	2581961	12.5	12.3	
142 Aramite Peak 4	185	10.318	10.318	0.000	0	5677	NC	NC	
151 Famphur	218		10.458				ND	ND	
154 p-Dimethylamino azobenzene	225	10.539	10.539	0.000	93	437087	12.5	13.7	
155 Chlorobenzilate	139	10.592	10.592	0.000	87	679416	12.5	13.0	
156 3,3'-Dimethylbenzidine	212	10.895	10.895	0.000	99	1432962	12.5	13.0	
157 Butyl benzyl phthalate	149	10.918	10.918	0.000	94	1050829	12.5	13.8	
158 2-Acetylaminofluorene	181	11.169	11.169	0.000	95	789633	12.5	11.5	
159 3,3'-Dichlorobenzidine	252	11.512	11.512	0.000	78	647165	12.5	10.2	
160 4,4'-Methylene bis(2-chloroanil	231	11.524	11.524	0.000	96	458844	12.5	12.8	
161 Benzo[a]anthracene	228	11.536	11.536	0.000	99	2326018	12.5	13.9	
162 Chrysene	228	11.582	11.582	0.000	98	2322896	12.5	13.8	
163 Bis(2-ethylhexyl) phthalate	149	11.612	11.612	0.000	96	1382918	12.5	13.5	
164 6-Methylchrysene	242	12.165	12.165	0.000	99	1461092	12.5	12.8	
165 Di-n-octyl phthalate	149	12.497	12.497	0.000	99	2153329	12.5	12.1	
166 7,12-Dimethylbenz(a)anthracene	256	12.970	12.970	0.000	73	977805	12.5	13.9	
167 Benzo[b]fluoranthene	252	12.970	12.970	0.000	97	2293737	12.5	13.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
168 Benzo[k]fluoranthene	252	13.010	13.010	0.000	100	2350480	12.5	13.1	
169 Benzo[a]pyrene	252	13.436	13.436	0.000	78	2027166	12.5	13.6	
* 170 Perylene-d12	264	13.518	13.518	0.000	97	691313	5.00	5.00	
171 3-Methylcholanthrene	268	13.960	13.960	0.000	91	960204	12.5	12.5	
172 Dibenz[a,h]acridine	279	14.753	14.753	0.000	91	1525370	12.5	13.6	
173 Dibenz[a,j]acridine	279	14.823	14.823	0.000	96	1738445	12.5	13.9	
174 Indeno[1,2,3-cd]pyrene	276	15.068	15.068	0.000	99	1693058	12.5	13.7	
175 Dibenz(a,h)anthracene	278	15.109	15.109	0.000	93	1892847	12.5	13.0	
176 Benzo[g,h,i]perylene	276	15.458	15.458	0.000	97	1934462	12.5	13.2	
S 178 Dinitrotoluene	165				0			27.3	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	12.0	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

MSS_RV8270ICV_00019 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2023 19:32:37 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2321.D

Injection Date: 23-Mar-2023 17:14:30 Instrument ID: HP19760 Operator ID: em10340

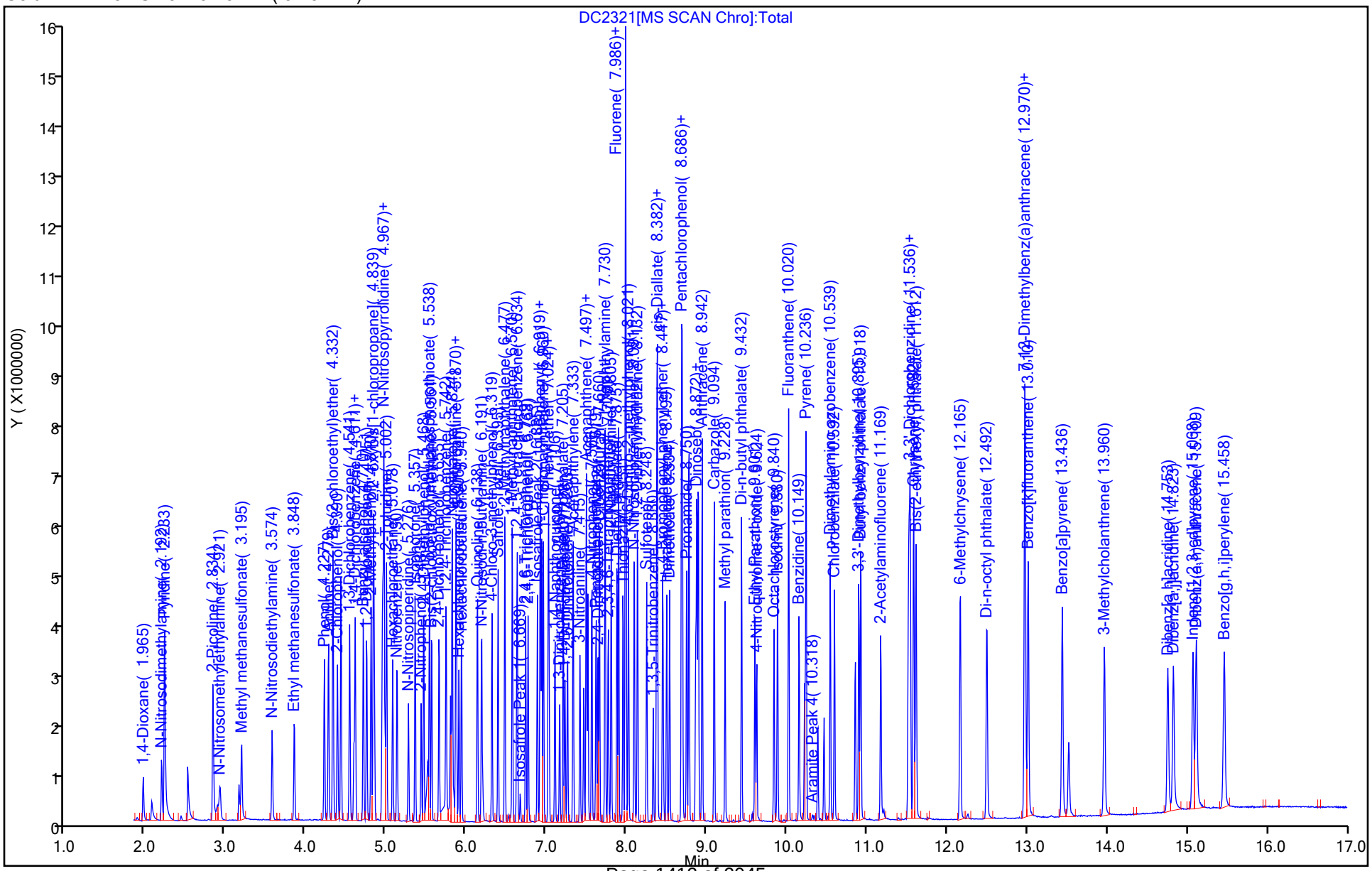
Lims ID: ICV FULL Worklist Smp#: 12

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 Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-356566/12 Calibration Date: 03/23/2023 17:14

Instrument ID: HP19760 Calib Start Date: 12/06/2022 21:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/06/2022 21:18

Lab File ID: DC2321.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 4	Ave	0.1357	0.0069			5.00	-94.9*	30.0
Aramite Peak 1	Ave	0.0289				1.25		
Aramite Peak 2	Ave	0.0314				1.25		
Aramite Peak 3	Ave	0.1013				5.00		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2321.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 23-Mar-2023 17:14:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0079683-012
Operator ID: em10340 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 19:32:37 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: P7EB Date: 23-Mar-2023 17:46:32

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	1.965	1.965	0.000	94	400468	12.5	12.1	
3 N-Nitrosodimethylamine	74	2.192	2.192	0.000	93	598189	12.5	11.7	
4 Pyridine	79	2.233	2.233	0.000	98	1897155	25.0	22.6	
7 2-Picoline	93	2.834	2.834	0.000	90	973193	12.5	12.2	
8 N-Nitrosomethylethylamine	88	2.921	2.921	0.000	91	416765	12.5	11.9	
9 Methyl methanesulfonate	80	3.195	3.195	0.000	85	505252	12.5	11.2	
11 N-Nitrosodiethylamine	102	3.574	3.574	0.000	95	398525	12.5	12.5	
12 Ethyl methanesulfonate	109	3.854	3.854	0.000	97	391076	12.5	11.3	
17 Phenol	94	4.227	4.227	0.000	94	1075710	12.5	12.5	
18 Aniline	93	4.279	4.279	0.000	96	1328016	12.5	12.4	
19 Bis(2-chloroethyl)ether	93	4.332	4.332	0.000	96	870008	12.5	12.2	
20 2-Chlorophenol	128	4.390	4.390	0.000	92	676686	12.5	12.9	
21 1,3-Dichlorobenzene	146	4.541	4.541	0.000	93	749490	12.5	12.5	
* 22 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	95	199616	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.611	4.611	0.000	89	767580	12.5	12.3	
25 Benzyl alcohol	108	4.710	4.710	0.000	89	505343	12.5	12.4	
26 1,2-Dichlorobenzene	146	4.751	4.751	0.000	91	715152	12.5	12.4	
28 2-Methylphenol	108	4.810	4.810	0.000	96	723648	12.5	12.9	
29 2,2'-oxybis[1-chloropropane]	45	4.850	4.850	0.000	93	1037644	12.5	11.4	
31 N-Nitrosopyrrolidine	100	4.944	4.944	0.000	92	420314	12.5	12.5	
32 4-Methylphenol	108	4.955	4.955	0.000	95	763237	12.5	12.9	
33 N-Nitrosodi-n-propylamine	70	4.967	4.967	0.000	74	708410	12.5	12.4	
34 Acetophenone	105	4.973	4.973	0.000	95	1193168	12.5	13.0	
35 N-Nitrosomorpholine	56	4.984	4.984	0.000	90	512670	12.5	11.7	
36 2-Toluidine	106	5.002	5.002	0.000	95	1286385	12.5	12.6	
38 Hexachloroethane	117	5.078	5.078	0.000	97	325013	12.5	12.4	
40 Nitrobenzene	77	5.130	5.130	0.000	85	972845	12.5	12.5	
42 N-Nitrosopiperidine	114	5.276	5.276	0.000	85	364440	12.5	12.7	
43 Isophorone	82	5.357	5.357	0.000	96	1734105	12.5	12.9	
44 2-Nitrophenol	139	5.433	5.433	0.000	89	316137	12.5	13.5	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	45 2,4-Dimethylphenol	107	5.468	5.468	0.000	98	792740	12.5	13.5	
	46 o,o',o''-Triethylphosphorothioat	198	5.538	5.538	0.000	94	329061	12.5	12.9	
	47 Bis(2-chloroethoxy)methane	93	5.567	5.567	0.000	99	1079856	12.5	13.1	
	48 2,4-Dichlorophenol	162	5.660	5.660	0.000	96	555049	12.5	13.8	
	49 1,2,4-Trichlorobenzene	180	5.748	5.748	0.000	92	630121	12.5	12.9	
*	50 Naphthalene-d8	136	5.800	5.800	0.000	99	728907	5.00	5.00	
	51 Naphthalene	128	5.824	5.824	0.000	98	2000455	12.5	12.8	
	53 4-Chloroaniline	127	5.865	5.865	0.000	93	852591	12.5	13.8	
	54 2,6-Dichlorophenol	162	5.876	5.876	0.000	95	564702	12.5	13.8	
	55 Hexachloropropene	213	5.905	5.905	0.000	90	387002	12.5	11.8	
	56 Hexachlorobutadiene	225	5.940	5.940	0.000	96	356253	12.5	12.8	
	60 Quinoline	129	6.138	6.138	0.000	93	1283944	12.5	12.9	
	62 N-Nitrosodi-n-butylamine	84	6.185	6.185	0.000	92	625397	12.5	10.8	
	63 p-Phenylene diamine	108		6.197				ND	ND	U
	64 4-Chloro-3-methylphenol	107	6.319	6.319	0.000	91	713244	12.5	13.7	
	65 Safrole, Total	162	6.395	6.395	0.000	85	512036	12.5	13.0	
	66 2-Methylnaphthalene	142	6.477	6.477	0.000	91	1300564	12.5	13.1	
	67 1-Methylnaphthalene	142	6.570	6.570	0.000	92	1215238	12.5	13.2	
	68 Hexachlorocyclopentadiene	237		6.628				ND	ND	U
	69 1,2,4,5-Tetrachlorobenzene	216	6.634	6.634	0.000	98	652399	12.5	12.4	
	70 Isosafrole Peak 1	162	6.669	6.669	0.000	84	65344	1.50	1.38	
	71 2,4,6-Trichlorophenol	196	6.739	6.739	0.000	95	393100	12.5	12.9	
	72 2,4,5-Trichlorophenol	196	6.768	6.768	0.000	93	446787	12.5	13.5	
	74 Isosafrole Peak 2	162	6.885	6.885	0.000	87	532558	11.0	10.6	
	75 1,1'-Biphenyl	154	6.919	6.919	0.000	95	1614824	12.5	12.5	
	76 2-Chloronaphthalene	162	6.937	6.937	0.000	96	1232494	12.5	12.3	
	77 1-Chloronaphthalene	162	6.960	6.960	0.000	96	1174292	12.5	12.2	
	78 Phenyl ether	170	7.024	7.024	0.000	88	859584	12.5	12.1	
	79 2-Nitroaniline	138	7.030	7.030	0.000	74	391875	12.5	13.2	
	81 1,4-Naphthoquinone	158	7.106	7.106	0.000	79	468616	12.5	12.8	
	86 1,3-Dinitrobenzene	168	7.164	7.164	0.000	83	193594	12.5	12.8	
	85 Dimethyl phthalate	163	7.205	7.205	0.000	97	1444952	12.5	13.0	
	84 1,4-Dinitrobenzene	168	7.228	7.228	0.000	83	230375	12.5	13.7	
	87 2,6-Dinitrotoluene	165	7.263	7.263	0.000	87	315218	12.5	13.4	
	88 Acenaphthylene	152	7.333	7.333	0.000	99	2009108	12.5	12.6	
	89 3-Nitroaniline	138	7.415	7.415	0.000	87	352797	12.5	13.8	
*	90 Acenaphthene-d10	164	7.462	7.462	0.000	95	413430	5.00	5.00	
	91 Acenaphthene	153	7.497	7.497	0.000	97	1298132	12.5	12.7	
	92 2,4-Dinitrophenol	184	7.514	7.514	0.000	79	404073	25.0	25.1	
	93 4-Nitrophenol	109	7.566	7.566	0.000	82	513084	25.0	28.0	
	94 Pentachlorobenzene	250	7.619	7.619	0.000	97	521931	12.5	11.8	
	95 2,4-Dinitrotoluene	165	7.642	7.642	0.000	87	435496	12.5	13.8	
	96 Dibenzofuran	168	7.660	7.660	0.000	96	1775110	12.5	12.5	
	97 1-Naphthylamine	143	7.730	7.730	0.000	97	1154243	12.5	12.9	
	98 2,3,4,6-Tetrachlorophenol	232	7.770	7.770	0.000	74	385217	12.5	13.8	
	99 2-Naphthylamine	143	7.805	7.805	0.000	94	1345840	12.5	13.2	
	100 Diethyl phthalate	149	7.875	7.875	0.000	97	1413197	12.5	13.5	
	101 Thionazin	107	7.951	7.951	0.000	78	277153	12.5	13.0	
	102 Fluorene	166	7.980	7.980	0.000	93	1454420	12.5	12.7	
	103 4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	88	730069	12.5	13.0	
	104 N-Nitro-o-toluidine	152	7.992	7.992	0.000	86	411597	12.5	13.5	
	105 4-Nitroaniline	138	7.992	7.992	0.000	76	379433	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
106 4,6-Dinitro-2-methylphenol	198	8.021	8.021	0.000	77	515624	25.0	27.3	
107 N-Nitrosodiphenylamine	169	8.091	8.091	0.000	63	1049521	10.6	11.1	
108 1,2-Diphenylhydrazine	77	8.132	8.132	0.000	42	2090654	12.5	12.9	
110 Sulfotepp	97	8.248	8.248	0.000	79	299236	12.5	12.1	
112 1,3,5-Trinitrobenzene	213	8.330	8.330	0.000	81	150982	12.5	12.5	
113 cis-Diallate	86	8.371	8.371	0.000	0	632883	9.38	9.26	
114 Phorate	75	8.377	8.377	0.000	95	1173867	12.5	13.2	
115 Phenacetin	108	8.382	8.382	0.000	87	813211	12.5	13.3	
116 4-Bromophenyl phenyl ether	248	8.447	8.447	0.000	70	424920	12.5	12.9	
117 trans-Diallate	86	8.458	8.458	0.000	0	220686	3.13	3.10	
118 Hexachlorobenzene	284	8.499	8.499	0.000	93	428892	12.5	12.1	
119 Dimethoate	87	8.534	8.534	0.000	97	772121	12.5	13.7	
121 Pentachlorophenol	266	8.686	8.686	0.000	92	587664	25.0	27.8	
122 4-Aminobiphenyl	169	8.691	8.691	0.000	91	1586110	12.5	12.4	
123 Pentachloronitrobenzene	237	8.697	8.697	0.000	86	189466	12.5	12.5	
124 Pronamide	173	8.750	8.750	0.000	90	656383	12.5	12.9	
125 Dinoseb	211	8.860	8.860	0.000	95	354129	12.5	12.3	
* 126 Phenanthrene-d10	188	8.872	8.872	0.000	97	785961	5.00	5.00	
127 Disulfoton	88	8.878	8.878	0.000	95	1107187	12.5	10.8	
128 Phenanthrene	178	8.895	8.895	0.000	98	2174879	12.5	12.7	
129 Anthracene	178	8.942	8.942	0.000	99	2214766	12.5	13.0	
130 Carbazole	167	9.094	9.094	0.000	96	2029322	12.5	13.4	
131 Methyl parathion	109	9.228	9.228	0.000	90	566455	12.5	13.4	
133 Di-n-butyl phthalate	149	9.432	9.432	0.000	100	2332675	12.5	14.2	
134 Ethyl Parathion	109	9.601	9.601	0.000	83	327338	12.5	13.2	
135 4-Nitroquinoline-1-oxide	190	9.624	9.624	0.000	81	162394	12.5	12.3	
S 136 Diallate	86				0		12.5	12.4	
140 Octachlorostyrene	308	9.840	9.840	0.000	93	162437	12.5	12.0	
141 Isodrin	193	9.880	9.880	0.000	90	247934	12.5	11.7	
143 Fluoranthene	202	10.020	10.020	0.000	99	2452564	12.5	13.5	
137 Aramite Peak 1	185		10.122				ND	ND	
138 Aramite Peak 2	185		10.140				ND	ND	
147 Benzidine	184	10.149	10.149	0.000	100	1270140	12.5	10.1	M
139 Aramite Peak 3	185		10.186				ND	ND	
* 149 Pyrene-d10 (IS)	212	10.218	10.218	0.000	100	822597	5.00	5.00	
150 Pyrene	202	10.236	10.236	0.000	96	2581961	12.5	12.3	
142 Aramite Peak 4	185	10.318	10.318	0.000	0	5677	NC	NC	
151 Famphur	218		10.458				ND	ND	
154 p-Dimethylamino azobenzene	225	10.539	10.539	0.000	93	437087	12.5	13.7	
155 Chlorobenzilate	139	10.592	10.592	0.000	87	679416	12.5	13.0	
156 3,3'-Dimethylbenzidine	212	10.895	10.895	0.000	99	1432962	12.5	13.0	
157 Butyl benzyl phthalate	149	10.918	10.918	0.000	94	1050829	12.5	13.8	
158 2-Acetylaminofluorene	181	11.169	11.169	0.000	95	789633	12.5	11.5	
159 3,3'-Dichlorobenzidine	252	11.512	11.512	0.000	78	647165	12.5	10.2	
160 4,4'-Methylene bis(2-chloroanil	231	11.524	11.524	0.000	96	458844	12.5	12.8	
161 Benzo[a]anthracene	228	11.536	11.536	0.000	99	2326018	12.5	13.9	
162 Chrysene	228	11.582	11.582	0.000	98	2322896	12.5	13.8	
163 Bis(2-ethylhexyl) phthalate	149	11.612	11.612	0.000	96	1382918	12.5	13.5	
164 6-Methylchrysene	242	12.165	12.165	0.000	99	1461092	12.5	12.8	
165 Di-n-octyl phthalate	149	12.497	12.497	0.000	99	2153329	12.5	12.1	
166 7,12-Dimethylbenz(a)anthracene	256	12.970	12.970	0.000	73	977805	12.5	13.9	
167 Benzo[b]fluoranthene	252	12.970	12.970	0.000	97	2293737	12.5	13.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
168 Benzo[k]fluoranthene	252	13.010	13.010	0.000	100	2350480	12.5	13.1	
169 Benzo[a]pyrene	252	13.436	13.436	0.000	78	2027166	12.5	13.6	
* 170 Perylene-d12	264	13.518	13.518	0.000	97	691313	5.00	5.00	
171 3-Methylcholanthrene	268	13.960	13.960	0.000	91	960204	12.5	12.5	
172 Dibenz[a,h]acridine	279	14.753	14.753	0.000	91	1525370	12.5	13.6	
173 Dibenz[a,j]acridine	279	14.823	14.823	0.000	96	1738445	12.5	13.9	
174 Indeno[1,2,3-cd]pyrene	276	15.068	15.068	0.000	99	1693058	12.5	13.7	
175 Dibenz(a,h)anthracene	278	15.109	15.109	0.000	93	1892847	12.5	13.0	
176 Benzo[g,h,i]perylene	276	15.458	15.458	0.000	97	1934462	12.5	13.2	
S 178 Dinitrotoluene	165				0			27.3	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	12.0	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

MSS_RV8270ICV_00019 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2023 19:32:37 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2321.D

Injection Date: 23-Mar-2023 17:14:30 Instrument ID: HP19760 Operator ID: em10340

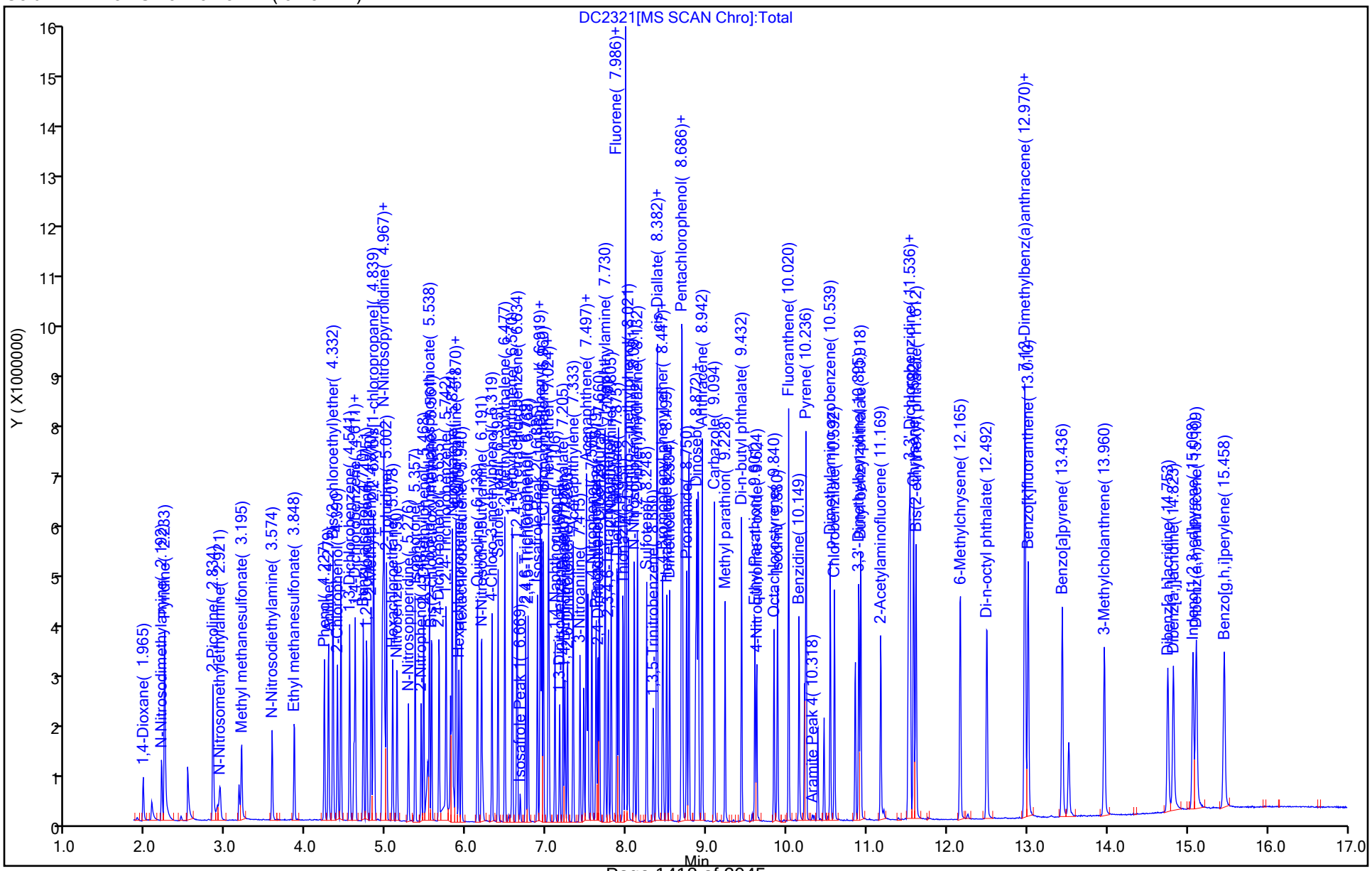
Lims ID: ICV FULL Worklist Smp#: 12

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 Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-356566/12 Calibration Date: 03/23/2023 17:14

Instrument ID: HP19760 Calib Start Date: 03/23/2023 13:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/23/2023 16:08

Lab File ID: DC2321.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8306	0.8025		12.0	12.5	-3.4	30.0
N-Nitrosodimethylamine	Ave	1.286	1.199		12.0	12.5	-6.8	30.0
Pyridine	Ave	2.099	1.901		23.0	25.0	-9.5	30.0
2-Picoline	Ave	1.998	1.950		12.0	12.5	-2.4	30.0
N-Nitrosomethylethylamine	Ave	0.8802	0.8351		12.0	12.5	-5.1	30.0
Methyl methanesulfonate	Ave	1.131	1.012		11.0	12.5	-10.4	30.0
N-Nitrosodiethylamine	Ave	0.7960	0.7986		13.0	12.5	0.3	30.0
Ethyl methanesulfonate	Ave	0.8682	0.7837		11.0	12.5	-9.7	30.0
Phenol	Ave	2.158	2.156	0.8000	12.0	12.5	-0.1	30.0
Aniline	Ave	2.673	2.661		12.0	12.5	-0.5	30.0
Bis(2-chloroethyl)ether	Ave	1.782	1.743	0.7000	12.0	12.5	-2.2	30.0
2-Chlorophenol	Ave	1.315	1.356	0.8000	13.0	12.5	3.1	30.0
1,3-Dichlorobenzene	Ave	1.497	1.502		13.0	12.5	0.3	30.0
1,4-Dichlorobenzene	Ave	1.568	1.538		12.0	12.5	-1.9	30.0
Benzyl alcohol	Ave	1.021	1.013		12.0	12.5	-0.9	30.0
1,2-Dichlorobenzene	Ave	1.445	1.433		12.0	12.5	-0.8	30.0
2-Methylphenol	Ave	1.403	1.450	0.7000	13.0	12.5	3.4	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.278	2.079	0.0100	11.0	12.5	-8.7	30.0
N-Nitrosopyrrolidine	Ave	0.8447	0.8422		12.0	12.5	-0.3	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.487	1.529	0.6000	13.0	12.5	2.8	30.0
N-Nitrosodi-n-propylamine	Ave	1.430	1.420	0.5000	12.0	12.5	-0.7	30.0
Acetophenone	Ave	2.302	2.391	0.0100	13.0	12.5	3.9	30.0
N-Nitrosomorpholine	Ave	1.095	1.027		12.0	12.5	-6.2	30.0
o-Toluidine	Ave	2.550	2.578		13.0	12.5	1.1	30.0
Hexachloroethane	Ave	0.6546	0.6513	0.3000	12.0	12.5	-0.5	30.0
Nitrobenzene	Ave	0.5356	0.5339	0.2000	12.0	12.5	-0.3	30.0
N-Nitrosopiperidine	Ave	0.1976	0.2000		13.0	12.5	1.2	30.0
Isophorone	Ave	0.9220	0.9516	0.4000	13.0	12.5	3.2	30.0
2-Nitrophenol	Ave	0.1612	0.1735	0.1000	13.0	12.5	7.6	30.0
2,4-Dimethylphenol	Ave	0.4026	0.4350	0.2000	14.0	12.5	8.1	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1753	0.1806		13.0	12.5	3.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.5645	0.5926	0.3000	13.0	12.5	5.0	30.0
2,4-Dichlorophenol	Ave	0.2764	0.3046	0.2000	14.0	12.5	10.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3343	0.3458		13.0	12.5	3.4	30.0
Naphthalene	Ave	1.070	1.098	0.7000	13.0	12.5	2.6	30.0
4-Chloroaniline	Ave	0.4224	0.4679	0.0100	14.0	12.5	10.8	30.0
2,6-Dichlorophenol	Ave	0.2806	0.3099		14.0	12.5	10.4	30.0
Hexachloropropene	Ave	0.2253	0.2124		12.0	12.5	-5.7	30.0
Hexachlorobutadiene	Ave	0.1903	0.1955	0.0100	13.0	12.5	2.7	30.0
Quinoline	Ave	0.6804	0.7046		13.0	12.5	3.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-356566/12 Calibration Date: 03/23/2023 17:14

Instrument ID: HP19760 Calib Start Date: 03/23/2023 13:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/23/2023 16:08

Lab File ID: DC2321.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	0.3979	0.3432		11.0	12.5	-13.7	30.0
4-Chloro-3-methylphenol	Ave	0.3575	0.3914	0.2000	14.0	12.5	9.5	30.0
Safrole, Total	Ave	0.2699	0.2810		13.0	12.5	4.1	30.0
2-Methylnaphthalene	Ave	0.6823	0.7137	0.4000	13.0	12.5	4.6	30.0
1-Methylnaphthalene	Ave	0.6326	0.6669		13.0	12.5	5.4	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6387	0.6312	0.0100	12.0	12.5	-1.2	30.0
Isosafrole Peak 1	Ave	0.5741	0.5268		1.40	1.50	-8.2	30.0
2,4,6-Trichlorophenol	Ave	0.3696	0.3803	0.2000	13.0	12.5	2.9	30.0
2,4,5-Trichlorophenol	Ave	0.4000	0.4323	0.2000	14.0	12.5	8.1	30.0
Isosafrole Peak 2	Ave	0.6059	0.5855		11.0	11.0	-3.4	30.0
1,1'-Biphenyl	Ave	1.562	1.562	0.0100	13.0	12.5	0.0	30.0
2-Chloronaphthalene	Ave	1.208	1.192	0.8000	12.0	12.5	-1.3	30.0
1-Chloronaphthalene	Ave	1.168	1.136		12.0	12.5	-2.7	30.0
Diphenyl ether	Ave	0.8608	0.8317		12.0	12.5	-3.4	30.0
2-Nitroaniline	Ave	0.3578	0.3791	0.0100	13.0	12.5	6.0	30.0
1,4-Naphthoquinone	Ave	0.4420	0.4534		13.0	12.5	2.6	30.0
1,3-Dinitrobenzene	Ave	0.1823	0.1873		13.0	12.5	2.7	30.0
Dimethyl phthalate	Ave	1.343	1.398	0.0100	13.0	12.5	4.1	30.0
1,4-Dinitrobenzene	Ave	0.2035	0.2229		14.0	12.5	9.5	30.0
2,6-Dinitrotoluene	Ave	0.2836	0.3050	0.2000	13.0	12.5	7.5	30.0
Acenaphthylene	Ave	1.931	1.944	0.9000	13.0	12.5	0.6	30.0
3-Nitroaniline	Ave	0.3089	0.3413	0.0100	14.0	12.5	10.5	30.0
Acenaphthene	Ave	1.233	1.256	0.9000	13.0	12.5	1.8	30.0
2,4-Dinitrophenol	Lin2		0.1955	0.0100	25.0	25.0	0.3	30.0
4-Nitrophenol	Ave	0.2217	0.2482	0.0100	28.0	25.0	12.0	30.0
Pentachlorobenzene	Ave	0.5330	0.5050		12.0	12.5	-5.3	30.0
2,4-Dinitrotoluene	Ave	0.3813	0.4213	0.2000	14.0	12.5	10.5	30.0
Dibenzofuran	Ave	1.711	1.717	0.8000	13.0	12.5	0.4	30.0
1-Naphthylamine	Ave	1.085	1.117		13.0	12.5	2.9	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3378	0.3727	0.0100	14.0	12.5	10.3	30.0
2-Naphthylamine	Ave	1.233	1.302		13.0	12.5	5.6	30.0
Diethyl phthalate	Ave	1.263	1.367	0.0100	14.0	12.5	8.3	30.0
Thionazin	Ave	0.2585	0.2681		13.0	12.5	3.7	30.0
Fluorene	Ave	1.383	1.407	0.9000	13.0	12.5	1.7	30.0
4-Chlorophenyl-phenyl ether	Ave	0.6814	0.7064	0.4000	13.0	12.5	3.7	30.0
4-Nitroaniline	Ave	0.3369	0.3671	0.0100	14.0	12.5	9.0	30.0
5-Nitro-o-toluidine	Ave	0.3690	0.3982		13.0	12.5	7.9	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1203	0.1312	0.0100	27.0	25.0	9.1	30.0
N-Nitrosodiphenylamine	Ave	0.6020	0.6284	0.0100	11.0	10.6	4.4	30.0
1,2-Diphenylhydrazine	Ave	1.029	1.064		13.0	12.5	3.4	30.0
Sulfotepp	Ave	0.1577	0.1523		12.0	12.5	-3.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-356566/12 Calibration Date: 03/23/2023 17:14

Instrument ID: HP19760 Calib Start Date: 03/23/2023 13:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/23/2023 16:08

Lab File ID: DC2321.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3,5-Trinitrobenzene	Ave	0.0767	0.0768			12.5	0.1	30.0
cis-Diallate	Ave	0.4349	0.4295		9.30	9.38	-1.2	30.0
Phorate	Ave	0.5657	0.5974		13.0	12.5	5.6	30.0
Phenacetin	Ave	0.3900	0.4139		13.0	12.5	6.1	30.0
4-Bromophenyl-phenylether	Ave	0.2100	0.2163	0.1000	13.0	12.5	3.0	30.0
trans-Diallate	Ave	0.4524	0.4493		3.10	3.13	-0.7	30.0
Hexachlorobenzene	Ave	0.2254	0.2183	0.1000	12.0	12.5	-3.1	30.0
Dimethoate	Ave	0.3593	0.3930		14.0	12.5	9.4	30.0
Pentachlorophenol	Ave	0.1346	0.1495	0.0500	28.0	25.0	11.1	30.0
4-Aminobiphenyl	Ave	0.8139	0.8072		12.0	12.5	-0.8	30.0
Pentachloronitrobenzene	Ave	0.0962	0.0964		13.0	12.5	0.3	30.0
Pronamide	Ave	0.3241	0.3341		13.0	12.5	3.1	30.0
Dinoseb	Lin2		0.1802		12.0	12.5	-1.2	30.0
Disulfoton	Ave	0.6525	0.5635		11.0	12.5	-13.6	30.0
Phenanthrene	Ave	1.090	1.107	0.7000	13.0	12.5	1.6	30.0
Anthracene	Ave	1.080	1.127	0.7000	13.0	12.5	4.3	30.0
Carbazole	Ave	0.9662	1.033	0.0100	13.0	12.5	6.9	30.0
Methyl parathion	Ave	0.2688	0.2883		13.0	12.5	7.2	30.0
Di-n-butyl phthalate	Ave	1.046	1.187	0.0100	14.0	12.5	13.4	30.0
Parathion	Ave	0.1573	0.1666		13.0	12.5	5.9	30.0
4-Nitroquinoline-1-oxide	Qua2		0.0826		12.0	12.5	-1.7	30.0
Octachlorostyrene	Ave	0.0863	0.0827		12.0	12.5	-4.2	30.0
Isodrin	Ave	0.1342	0.1262		12.0	12.5	-6.0	30.0
Fluoranthene	Ave	1.154	1.248	0.6000	14.0	12.5	8.2	30.0
Benzidine	Ave	0.7650	0.6176		10.0	12.5	-19.3	30.0
Pyrene	Ave	1.273	1.256	0.6000	12.0	12.5	-1.4	30.0
p-Dimethylamino azobenzene	Ave	0.1939	0.2125		14.0	12.5	9.6	30.0
Chlorobenzilate	Ave	0.3186	0.3304		13.0	12.5	3.7	30.0
3,3'-Dimethylbenzidine	Ave	0.6688	0.6968		13.0	12.5	4.2	30.0
Butylbenzylphthalate	Ave	0.4639	0.5110	0.0100	14.0	12.5	10.2	30.0
2-Acetylaminofluorene	Lin1		0.3840		12.0	12.5	-7.7	30.0
3,3'-Dichlorobenzidine	Ave	0.3871	0.3147	0.0100	10.0	12.5	-18.7	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2173	0.2231		13.0	12.5	2.7	30.0
Benzo[a]anthracene	Ave	1.018	1.131	0.8000	14.0	12.5	11.1	30.0
Chrysene	Ave	1.020	1.130	0.7000	14.0	12.5	10.8	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6217	0.6725	0.0100	14.0	12.5	8.2	30.0
6-Methylchrysene	Ave	0.6912	0.7105		13.0	12.5	2.8	30.0
Di-n-octyl phthalate	Lin2		1.246	0.0100	12.0	12.5	-2.8	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5087	0.5658		14.0	12.5	11.2	30.0
Benzo[b]fluoranthene	Ave	1.244	1.327	0.7000	13.0	12.5	6.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-356566/12 Calibration Date: 03/23/2023 17:14

Instrument ID: HP19760 Calib Start Date: 03/23/2023 13:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/23/2023 16:08

Lab File ID: DC2321.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[k]fluoranthene	Ave	1.302	1.360	0.7000	13.0	12.5	4.4	30.0
Benzo[a]pyrene	Ave	1.077	1.173	0.7000	14.0	12.5	8.9	30.0
3-Methylcholanthrene	Ave	0.5540	0.5556		13.0	12.5	0.3	30.0
Dibenz[a,h]acridine	Ave	0.8123	0.8826		14.0	12.5	8.7	30.0
Dibenz[a,j]acridine	Ave	0.9026	1.006		14.0	12.5	11.4	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.8938	0.9796	0.5000	14.0	12.5	9.6	30.0
Dibenz(a,h)anthracene	Ave	1.054	1.095	0.4000	13.0	12.5	4.0	30.0
Benzo[g,h,i]perylene	Ave	1.061	1.119	0.5000	13.0	12.5	5.5	30.0
1,4-phenylenediamine	Ave	0.3442				12.5		
Hexachlorocyclopentadiene	Ave	0.3954				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2321.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 23-Mar-2023 17:14:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0079683-012
Operator ID: em10340 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 19:32:37 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: P7EB Date: 23-Mar-2023 17:46:32

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	1.965	1.965	0.000	94	400468	12.5	12.1	
3 N-Nitrosodimethylamine	74	2.192	2.192	0.000	93	598189	12.5	11.7	
4 Pyridine	79	2.233	2.233	0.000	98	1897155	25.0	22.6	
7 2-Picoline	93	2.834	2.834	0.000	90	973193	12.5	12.2	
8 N-Nitrosomethylethylamine	88	2.921	2.921	0.000	91	416765	12.5	11.9	
9 Methyl methanesulfonate	80	3.195	3.195	0.000	85	505252	12.5	11.2	
11 N-Nitrosodiethylamine	102	3.574	3.574	0.000	95	398525	12.5	12.5	
12 Ethyl methanesulfonate	109	3.854	3.854	0.000	97	391076	12.5	11.3	
17 Phenol	94	4.227	4.227	0.000	94	1075710	12.5	12.5	
18 Aniline	93	4.279	4.279	0.000	96	1328016	12.5	12.4	
19 Bis(2-chloroethyl)ether	93	4.332	4.332	0.000	96	870008	12.5	12.2	
20 2-Chlorophenol	128	4.390	4.390	0.000	92	676686	12.5	12.9	
21 1,3-Dichlorobenzene	146	4.541	4.541	0.000	93	749490	12.5	12.5	
* 22 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	95	199616	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.611	4.611	0.000	89	767580	12.5	12.3	
25 Benzyl alcohol	108	4.710	4.710	0.000	89	505343	12.5	12.4	
26 1,2-Dichlorobenzene	146	4.751	4.751	0.000	91	715152	12.5	12.4	
28 2-Methylphenol	108	4.810	4.810	0.000	96	723648	12.5	12.9	
29 2,2'-oxybis[1-chloropropane]	45	4.850	4.850	0.000	93	1037644	12.5	11.4	
31 N-Nitrosopyrrolidine	100	4.944	4.944	0.000	92	420314	12.5	12.5	
32 4-Methylphenol	108	4.955	4.955	0.000	95	763237	12.5	12.9	
33 N-Nitrosodi-n-propylamine	70	4.967	4.967	0.000	74	708410	12.5	12.4	
34 Acetophenone	105	4.973	4.973	0.000	95	1193168	12.5	13.0	
35 N-Nitrosomorpholine	56	4.984	4.984	0.000	90	512670	12.5	11.7	
36 2-Toluidine	106	5.002	5.002	0.000	95	1286385	12.5	12.6	
38 Hexachloroethane	117	5.078	5.078	0.000	97	325013	12.5	12.4	
40 Nitrobenzene	77	5.130	5.130	0.000	85	972845	12.5	12.5	
42 N-Nitrosopiperidine	114	5.276	5.276	0.000	85	364440	12.5	12.7	
43 Isophorone	82	5.357	5.357	0.000	96	1734105	12.5	12.9	
44 2-Nitrophenol	139	5.433	5.433	0.000	89	316137	12.5	13.5	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
45	2,4-Dimethylphenol	107	5.468	5.468	0.000	98	792740	12.5	13.5	
46	o,o',o''-Triethylphosphorothioat	198	5.538	5.538	0.000	94	329061	12.5	12.9	
47	Bis(2-chloroethoxy)methane	93	5.567	5.567	0.000	99	1079856	12.5	13.1	
48	2,4-Dichlorophenol	162	5.660	5.660	0.000	96	555049	12.5	13.8	
49	1,2,4-Trichlorobenzene	180	5.748	5.748	0.000	92	630121	12.5	12.9	
* 50	Naphthalene-d8	136	5.800	5.800	0.000	99	728907	5.00	5.00	
51	Naphthalene	128	5.824	5.824	0.000	98	2000455	12.5	12.8	
53	4-Chloroaniline	127	5.865	5.865	0.000	93	852591	12.5	13.8	
54	2,6-Dichlorophenol	162	5.876	5.876	0.000	95	564702	12.5	13.8	
55	Hexachloropropene	213	5.905	5.905	0.000	90	387002	12.5	11.8	
56	Hexachlorobutadiene	225	5.940	5.940	0.000	96	356253	12.5	12.8	
60	Quinoline	129	6.138	6.138	0.000	93	1283944	12.5	12.9	
62	N-Nitrosodi-n-butylamine	84	6.185	6.185	0.000	92	625397	12.5	10.8	
63	p-Phenylene diamine	108		6.197				ND	ND	U
64	4-Chloro-3-methylphenol	107	6.319	6.319	0.000	91	713244	12.5	13.7	
65	Safrole, Total	162	6.395	6.395	0.000	85	512036	12.5	13.0	
66	2-Methylnaphthalene	142	6.477	6.477	0.000	91	1300564	12.5	13.1	
67	1-Methylnaphthalene	142	6.570	6.570	0.000	92	1215238	12.5	13.2	
68	Hexachlorocyclopentadiene	237		6.628				ND	ND	U
69	1,2,4,5-Tetrachlorobenzene	216	6.634	6.634	0.000	98	652399	12.5	12.4	
70	Isosafrole Peak 1	162	6.669	6.669	0.000	84	65344	1.50	1.38	
71	2,4,6-Trichlorophenol	196	6.739	6.739	0.000	95	393100	12.5	12.9	
72	2,4,5-Trichlorophenol	196	6.768	6.768	0.000	93	446787	12.5	13.5	
74	Isosafrole Peak 2	162	6.885	6.885	0.000	87	532558	11.0	10.6	
75	1,1'-Biphenyl	154	6.919	6.919	0.000	95	1614824	12.5	12.5	
76	2-Chloronaphthalene	162	6.937	6.937	0.000	96	1232494	12.5	12.3	
77	1-Chloronaphthalene	162	6.960	6.960	0.000	96	1174292	12.5	12.2	
78	Phenyl ether	170	7.024	7.024	0.000	88	859584	12.5	12.1	
79	2-Nitroaniline	138	7.030	7.030	0.000	74	391875	12.5	13.2	
81	1,4-Naphthoquinone	158	7.106	7.106	0.000	79	468616	12.5	12.8	
86	1,3-Dinitrobenzene	168	7.164	7.164	0.000	83	193594	12.5	12.8	
85	Dimethyl phthalate	163	7.205	7.205	0.000	97	1444952	12.5	13.0	
84	1,4-Dinitrobenzene	168	7.228	7.228	0.000	83	230375	12.5	13.7	
87	2,6-Dinitrotoluene	165	7.263	7.263	0.000	87	315218	12.5	13.4	
88	Acenaphthylene	152	7.333	7.333	0.000	99	2009108	12.5	12.6	
89	3-Nitroaniline	138	7.415	7.415	0.000	87	352797	12.5	13.8	
* 90	Acenaphthene-d10	164	7.462	7.462	0.000	95	413430	5.00	5.00	
91	Acenaphthene	153	7.497	7.497	0.000	97	1298132	12.5	12.7	
92	2,4-Dinitrophenol	184	7.514	7.514	0.000	79	404073	25.0	25.1	
93	4-Nitrophenol	109	7.566	7.566	0.000	82	513084	25.0	28.0	
94	Pentachlorobenzene	250	7.619	7.619	0.000	97	521931	12.5	11.8	
95	2,4-Dinitrotoluene	165	7.642	7.642	0.000	87	435496	12.5	13.8	
96	Dibenzofuran	168	7.660	7.660	0.000	96	1775110	12.5	12.5	
97	1-Naphthylamine	143	7.730	7.730	0.000	97	1154243	12.5	12.9	
98	2,3,4,6-Tetrachlorophenol	232	7.770	7.770	0.000	74	385217	12.5	13.8	
99	2-Naphthylamine	143	7.805	7.805	0.000	94	1345840	12.5	13.2	
100	Diethyl phthalate	149	7.875	7.875	0.000	97	1413197	12.5	13.5	
101	Thionazin	107	7.951	7.951	0.000	78	277153	12.5	13.0	
102	Fluorene	166	7.980	7.980	0.000	93	1454420	12.5	12.7	
103	4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	88	730069	12.5	13.0	
104	N-Nitro-o-toluidine	152	7.992	7.992	0.000	86	411597	12.5	13.5	
105	4-Nitroaniline	138	7.992	7.992	0.000	76	379433	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
106 4,6-Dinitro-2-methylphenol	198	8.021	8.021	0.000	77	515624	25.0	27.3	
107 N-Nitrosodiphenylamine	169	8.091	8.091	0.000	63	1049521	10.6	11.1	
108 1,2-Diphenylhydrazine	77	8.132	8.132	0.000	42	2090654	12.5	12.9	
110 Sulfotepp	97	8.248	8.248	0.000	79	299236	12.5	12.1	
112 1,3,5-Trinitrobenzene	213	8.330	8.330	0.000	81	150982	12.5	12.5	
113 cis-Diallate	86	8.371	8.371	0.000	0	632883	9.38	9.26	
114 Phorate	75	8.377	8.377	0.000	95	1173867	12.5	13.2	
115 Phenacetin	108	8.382	8.382	0.000	87	813211	12.5	13.3	
116 4-Bromophenyl phenyl ether	248	8.447	8.447	0.000	70	424920	12.5	12.9	
117 trans-Diallate	86	8.458	8.458	0.000	0	220686	3.13	3.10	
118 Hexachlorobenzene	284	8.499	8.499	0.000	93	428892	12.5	12.1	
119 Dimethoate	87	8.534	8.534	0.000	97	772121	12.5	13.7	
121 Pentachlorophenol	266	8.686	8.686	0.000	92	587664	25.0	27.8	
122 4-Aminobiphenyl	169	8.691	8.691	0.000	91	1586110	12.5	12.4	
123 Pentachloronitrobenzene	237	8.697	8.697	0.000	86	189466	12.5	12.5	
124 Pronamide	173	8.750	8.750	0.000	90	656383	12.5	12.9	
125 Dinoseb	211	8.860	8.860	0.000	95	354129	12.5	12.3	
* 126 Phenanthrene-d10	188	8.872	8.872	0.000	97	785961	5.00	5.00	
127 Disulfoton	88	8.878	8.878	0.000	95	1107187	12.5	10.8	
128 Phenanthrene	178	8.895	8.895	0.000	98	2174879	12.5	12.7	
129 Anthracene	178	8.942	8.942	0.000	99	2214766	12.5	13.0	
130 Carbazole	167	9.094	9.094	0.000	96	2029322	12.5	13.4	
131 Methyl parathion	109	9.228	9.228	0.000	90	566455	12.5	13.4	
133 Di-n-butyl phthalate	149	9.432	9.432	0.000	100	2332675	12.5	14.2	
134 Ethyl Parathion	109	9.601	9.601	0.000	83	327338	12.5	13.2	
135 4-Nitroquinoline-1-oxide	190	9.624	9.624	0.000	81	162394	12.5	12.3	
S 136 Diallate	86				0		12.5	12.4	
140 Octachlorostyrene	308	9.840	9.840	0.000	93	162437	12.5	12.0	
141 Isodrin	193	9.880	9.880	0.000	90	247934	12.5	11.7	
143 Fluoranthene	202	10.020	10.020	0.000	99	2452564	12.5	13.5	
137 Aramite Peak 1	185		10.122				ND	ND	
138 Aramite Peak 2	185		10.140				ND	ND	
147 Benzidine	184	10.149	10.149	0.000	100	1270140	12.5	10.1	M
139 Aramite Peak 3	185		10.186				ND	ND	
* 149 Pyrene-d10 (IS)	212	10.218	10.218	0.000	100	822597	5.00	5.00	
150 Pyrene	202	10.236	10.236	0.000	96	2581961	12.5	12.3	
142 Aramite Peak 4	185	10.318	10.318	0.000	0	5677	NC	NC	
151 Famphur	218		10.458				ND	ND	
154 p-Dimethylamino azobenzene	225	10.539	10.539	0.000	93	437087	12.5	13.7	
155 Chlorobenzilate	139	10.592	10.592	0.000	87	679416	12.5	13.0	
156 3,3'-Dimethylbenzidine	212	10.895	10.895	0.000	99	1432962	12.5	13.0	
157 Butyl benzyl phthalate	149	10.918	10.918	0.000	94	1050829	12.5	13.8	
158 2-Acetylaminofluorene	181	11.169	11.169	0.000	95	789633	12.5	11.5	
159 3,3'-Dichlorobenzidine	252	11.512	11.512	0.000	78	647165	12.5	10.2	
160 4,4'-Methylene bis(2-chloroanil	231	11.524	11.524	0.000	96	458844	12.5	12.8	
161 Benzo[a]anthracene	228	11.536	11.536	0.000	99	2326018	12.5	13.9	
162 Chrysene	228	11.582	11.582	0.000	98	2322896	12.5	13.8	
163 Bis(2-ethylhexyl) phthalate	149	11.612	11.612	0.000	96	1382918	12.5	13.5	
164 6-Methylchrysene	242	12.165	12.165	0.000	99	1461092	12.5	12.8	
165 Di-n-octyl phthalate	149	12.497	12.497	0.000	99	2153329	12.5	12.1	
166 7,12-Dimethylbenz(a)anthracene	256	12.970	12.970	0.000	73	977805	12.5	13.9	
167 Benzo[b]fluoranthene	252	12.970	12.970	0.000	97	2293737	12.5	13.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
168 Benzo[k]fluoranthene	252	13.010	13.010	0.000	100	2350480	12.5	13.1	
169 Benzo[a]pyrene	252	13.436	13.436	0.000	78	2027166	12.5	13.6	
* 170 Perylene-d12	264	13.518	13.518	0.000	97	691313	5.00	5.00	
171 3-Methylcholanthrene	268	13.960	13.960	0.000	91	960204	12.5	12.5	
172 Dibenz[a,h]acridine	279	14.753	14.753	0.000	91	1525370	12.5	13.6	
173 Dibenz[a,j]acridine	279	14.823	14.823	0.000	96	1738445	12.5	13.9	
174 Indeno[1,2,3-cd]pyrene	276	15.068	15.068	0.000	99	1693058	12.5	13.7	
175 Dibenz(a,h)anthracene	278	15.109	15.109	0.000	93	1892847	12.5	13.0	
176 Benzo[g,h,i]perylene	276	15.458	15.458	0.000	97	1934462	12.5	13.2	
S 178 Dinitrotoluene	165				0			27.3	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	12.0	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

MSS_RV8270ICV_00019 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2023 19:32:37 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2321.D

Injection Date: 23-Mar-2023 17:14:30 Instrument ID: HP19760 Operator ID: em10340

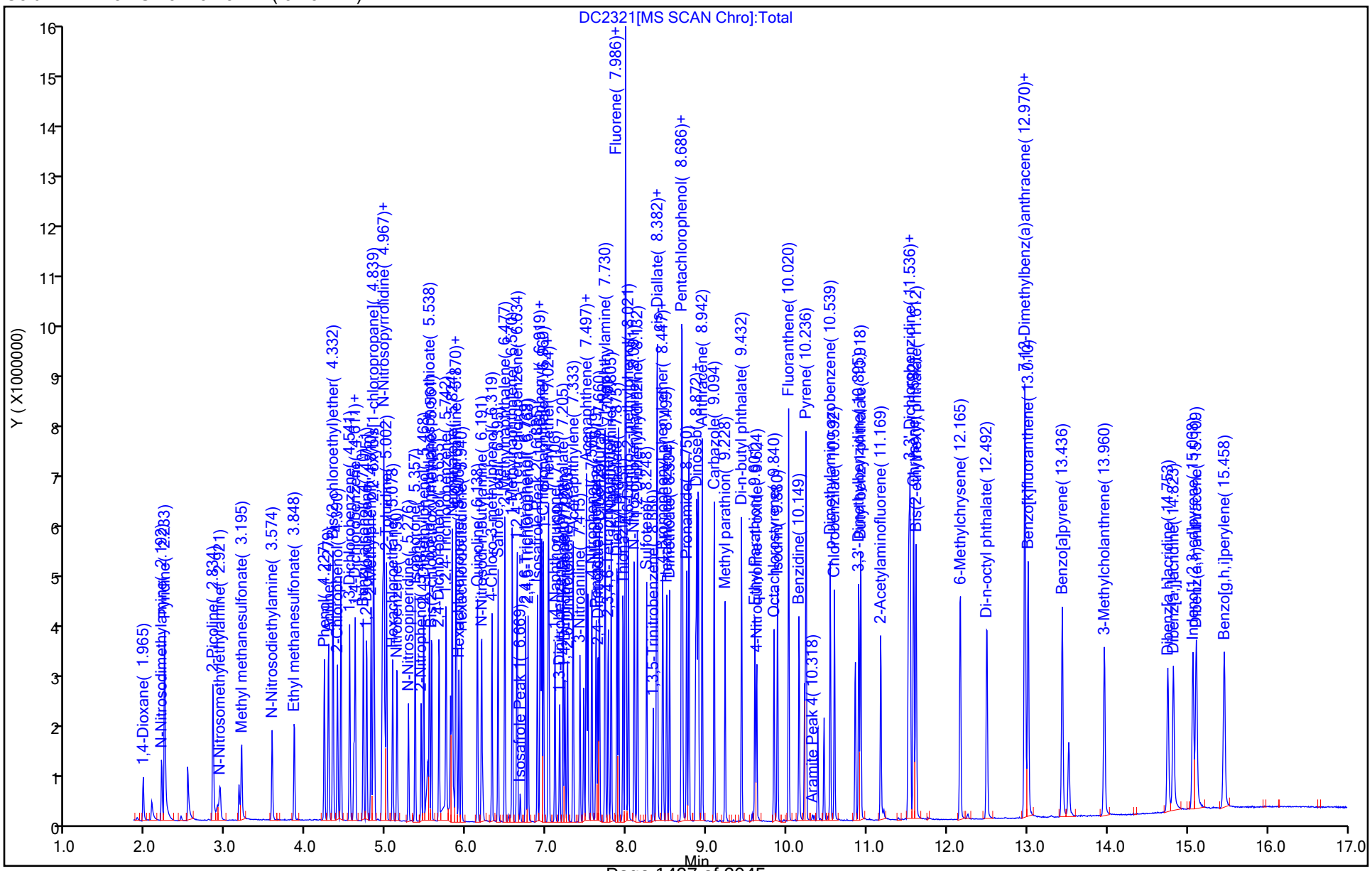
Lims ID: ICV FULL Worklist Smp#: 12

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

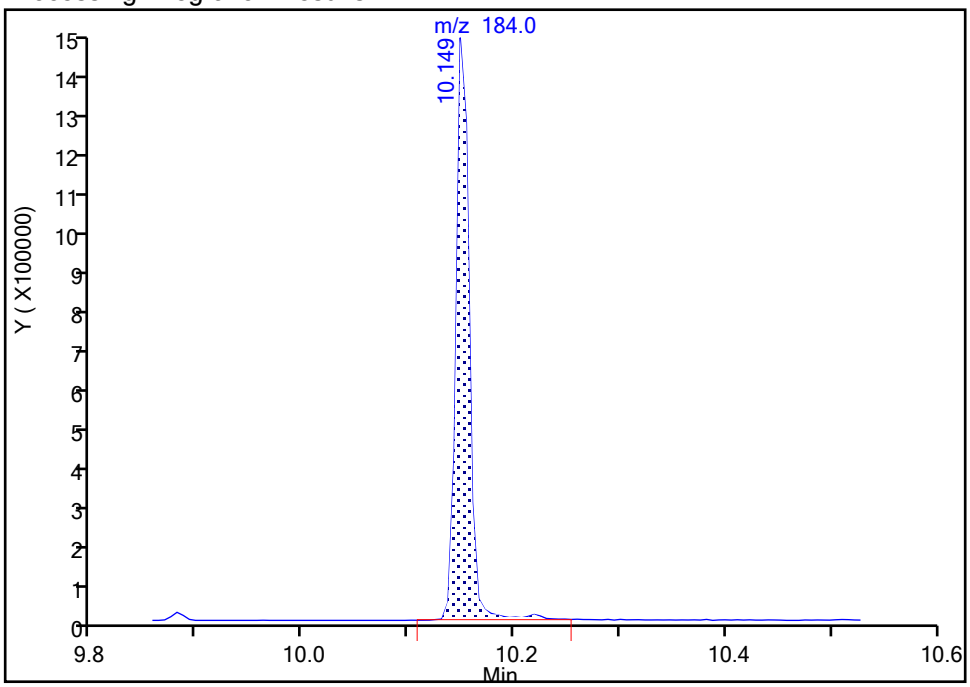
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2321.D				
Injection Date:	23-Mar-2023 17:14:30	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

147 Benzidine, CAS: 92-87-5

Signal: 1

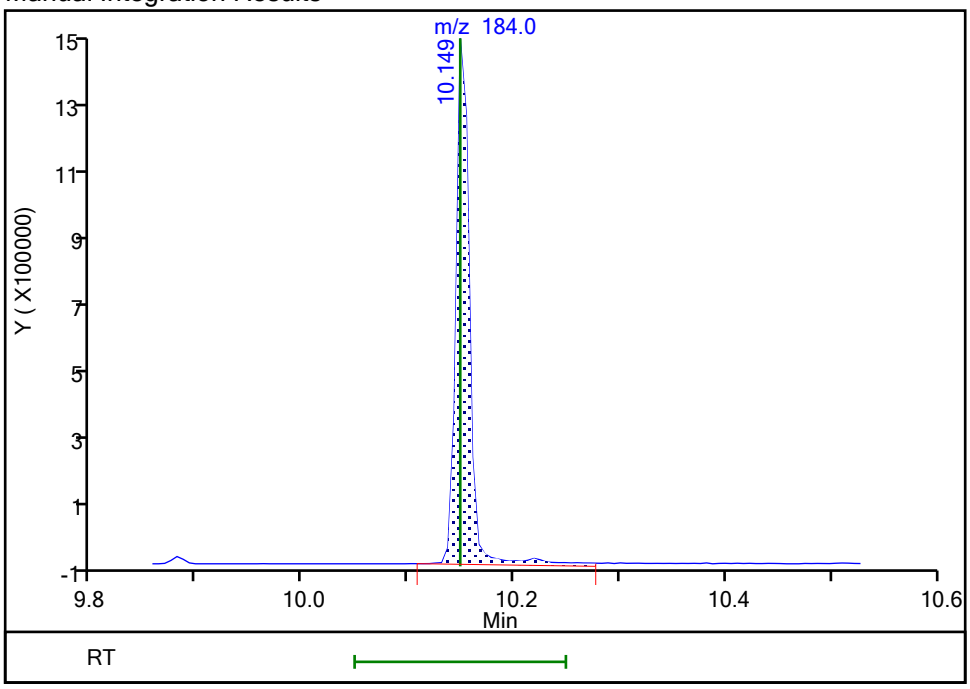
Processing Integration Results

RT: 10.15
Area: 1246891
Amount: 9.907338
Amount Units: ug/ml



Manual Integration Results

RT: 10.15
Area: 1270140
Amount: 10.092066
Amount Units: ug/ml



Reviewer: P7EB, 23-Mar-2023 17:52:26

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

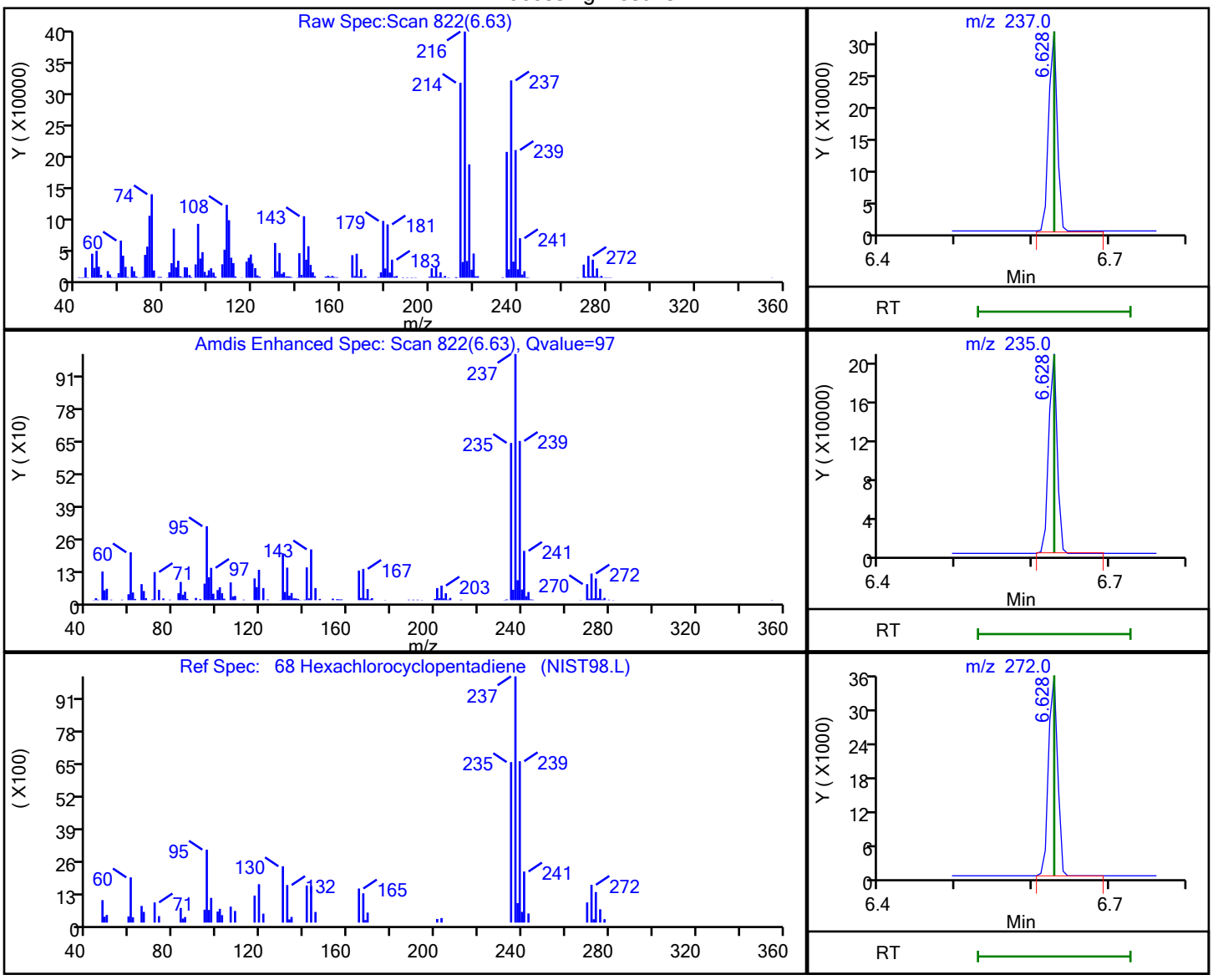
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2321.D				
Injection Date:	23-Mar-2023 17:14:30	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	em10340	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		

68 Hexachlorocyclopentadiene, CAS: 77-47-4

Processing Results



RT	Mass	Response	Amount
6.63	237.00	242686	7.423400
6.63	235.00	153779	
6.63	272.00	28981	

Reviewer: P7EB, 23-Mar-2023 19:32:18

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

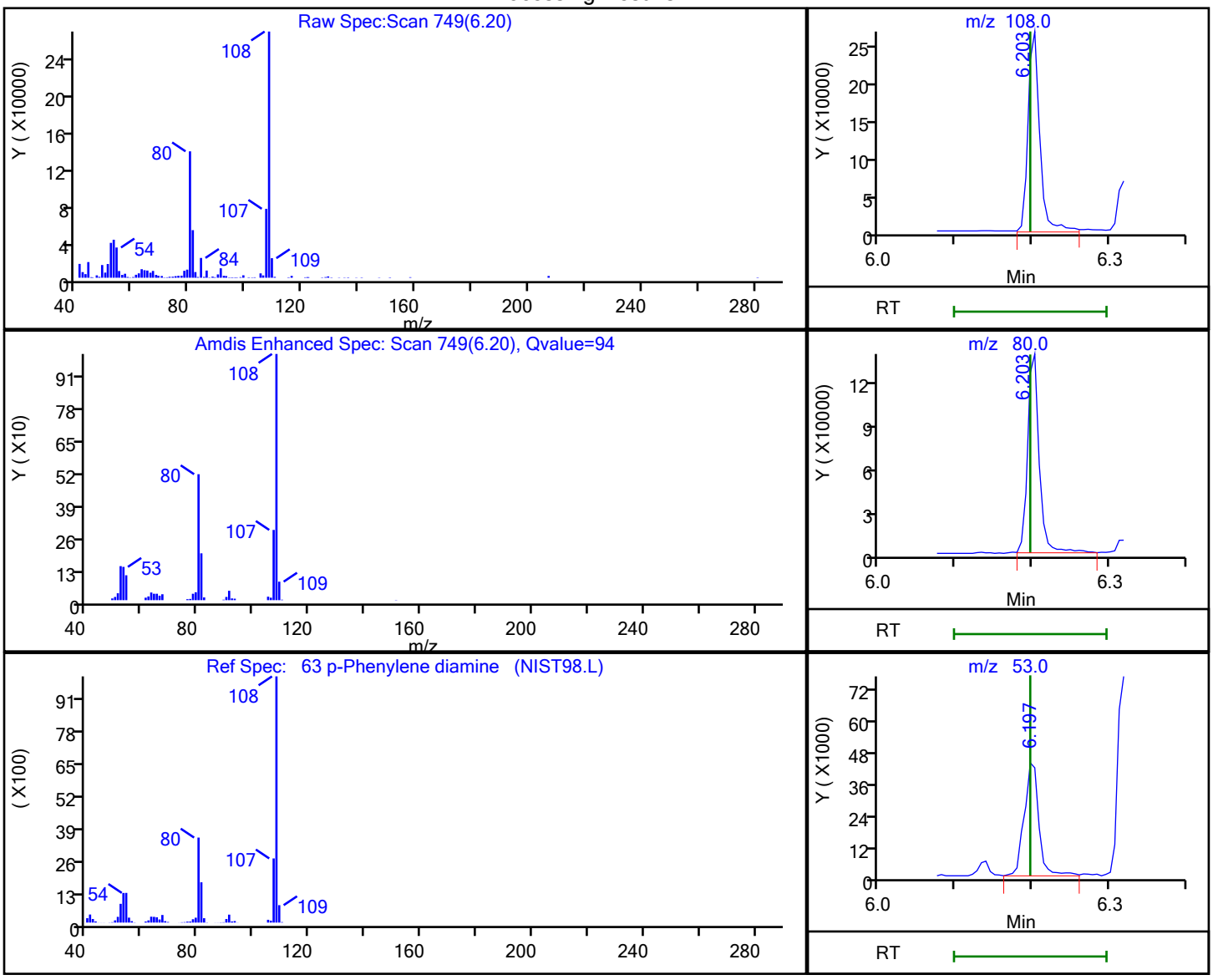
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2321.D				
Injection Date:	23-Mar-2023 17:14:30	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	em10340	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		

63 p-Phenylene diamine, CAS: 106-50-3

Processing Results



RT	Mass	Response	Amount
6.20	108.00	282198	5.623402
6.20	80.00	147476	
6.20	53.00	57550	
6.20	54.00	51809	
6.20	52.00	45180	

Reviewer: P7EB, 23-Mar-2023 19:32:21

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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-382151/2 Calibration Date: 06/01/2023 21:03

Instrument ID: HP19760 Calib Start Date: 03/23/2023 13:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/23/2023 16:08

Lab File ID: DF0151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8306	0.6663		10.0	12.5	-19.8	20.0
N-Nitrosodimethylamine	Ave	1.286	1.121		11.0	12.5	-12.8	20.0
Pyridine	Ave	2.099	1.744		21.0	25.0	-16.9	20.0
N,N-dimethylformamide	Ave	1.321	1.207		11.0	12.5	-8.6	20.0
2-Picoline	Ave	1.998	1.874		12.0	12.5	-6.2	20.0
N-Nitrosomethylethylamine	Ave	0.8802	0.9211		13.0	12.5	4.6	20.0
Methyl methanesulfonate	Ave	1.131	0.9597		11.0	12.5	-15.1	20.0
N-Nitrosodiethylamine	Ave	0.7960	0.8463		13.0	12.5	6.3	20.0
Ethyl methanesulfonate	Ave	0.8682	0.8826		13.0	12.5	1.7	20.0
Benzaldehyde	Ave	1.624	1.303	0.0100	10.0	12.5	-19.8	20.0
Phenol	Ave	2.158	2.392	0.8000	14.0	12.5	10.9	20.0
Aniline	Ave	2.673	2.714		13.0	12.5	1.5	20.0
Bis(2-chloroethyl)ether	Ave	1.782	1.735	0.7000	12.0	12.5	-2.7	20.0
2-Chlorophenol	Ave	1.315	1.434	0.8000	14.0	12.5	9.0	20.0
1,3-Dichlorobenzene	Ave	1.497	1.574		13.0	12.5	5.2	20.0
1,4-Dichlorobenzene	Ave	1.568	1.617		13.0	12.5	3.1	20.0
Benzyl alcohol	Ave	1.021	1.026		13.0	12.5	0.5	20.0
1,2-Dichlorobenzene	Ave	1.445	1.542		13.0	12.5	6.7	20.0
2-Methylphenol	Ave	1.403	1.503	0.7000	13.0	12.5	7.2	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.278	2.344	0.0100	13.0	12.5	2.9	20.0
N-Nitrosopyrrolidine	Ave	0.8447	0.9222		14.0	12.5	9.2	20.0
Acetophenone	Ave	2.302	2.301	0.0100	12.0	12.5	-0.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.430	1.370	0.5000	12.0	12.5	-4.2	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.487	1.722	0.6000	14.0	12.5	15.8	20.0
N-Nitrosomorpholine	Ave	1.095	1.108		13.0	12.5	1.2	20.0
o-Toluidine	Ave	2.550	2.597		13.0	12.5	1.9	20.0
Hexachloroethane	Ave	0.6546	0.6503	0.3000	12.0	12.5	-0.6	20.0
Nitrobenzene	Ave	0.5356	0.5142	0.2000	12.0	12.5	-4.0	20.0
N-Nitrosopiperidine	Ave	0.1976	0.2182		14.0	12.5	10.4	20.0
Isophorone	Ave	0.9220	0.9717	0.4000	13.0	12.5	5.4	20.0
2-Nitrophenol	Ave	0.1612	0.2018	0.1000	16.0	12.5	25.2*	20.0
2,4-Dimethylphenol	Ave	0.4026	0.4237	0.2000	13.0	12.5	5.2	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1753	0.2061		15.0	12.5	17.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.5645	0.5580	0.3000	12.0	12.5	-1.2	20.0
2,4-Dichlorophenol	Ave	0.2764	0.3192	0.2000	14.0	12.5	15.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3343	0.3513		13.0	12.5	5.1	20.0
Naphthalene	Ave	1.070	1.124	0.7000	13.0	12.5	5.0	20.0
a-Terpineol	Ave	0.3488	0.3825		14.0	12.5	9.7	20.0
4-Chloroaniline	Ave	0.4224	0.4698	0.0100	14.0	12.5	11.2	20.0
2,6-Dichlorophenol	Ave	0.2806	0.3138		14.0	12.5	11.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-382151/2 Calibration Date: 06/01/2023 21:03

Instrument ID: HP19760 Calib Start Date: 03/23/2023 13:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/23/2023 16:08

Lab File ID: DF0151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2253	0.2593		14.0	12.5	15.1	20.0
Hexachlorobutadiene	Ave	0.1903	0.2104	0.0100	14.0	12.5	10.6	20.0
Quinoline	Ave	0.6804	0.7494		14.0	12.5	10.1	20.0
Caprolactam	Ave	0.1114	0.1154	0.0100	13.0	12.5	3.6	20.0
N-Nitrosodi-n-butylamine	Ave	0.3979	0.4446		14.0	12.5	11.7	20.0
1,4-phenylenediamine	Ave	0.3442	0.2297			12.5	-33.3*	20.0
4-Chloro-3-methylphenol	Ave	0.3575	0.3725	0.2000	13.0	12.5	4.2	20.0
Safrole, Total	Ave	0.2699	0.2967		14.0	12.5	9.9	20.0
2-Methylnaphthalene	Ave	0.6823	0.7354	0.4000	13.0	12.5	7.8	20.0
1-Methylnaphthalene	Ave	0.6326	0.6792		13.0	12.5	7.4	20.0
Hexachlorocyclopentadiene	Ave	0.3954	0.3369	0.0500	11.0	12.5	-14.8	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6387	0.6339	0.0100	12.0	12.5	-0.7	20.0
Isosafrole Peak 1	Ave	0.5741	0.5514		1.90	2.00	-4.0	20.0
2,4,6-Trichlorophenol	Ave	0.3696	0.3784	0.2000	13.0	12.5	2.4	20.0
2,4,5-Trichlorophenol	Ave	0.4000	0.4215	0.2000	13.0	12.5	5.4	20.0
Isosafrole Peak 2	Ave	0.6059	0.6118		11.0	10.5	1.0	20.0
1,1'-Biphenyl	Ave	1.562	1.522	0.0100	12.0	12.5	-2.5	20.0
2-Chloronaphthalene	Ave	1.208	1.197	0.8000	12.0	12.5	-0.9	20.0
1-Chloronaphthalene	Ave	1.168	1.022		11.0	12.5	-12.4	20.0
Diphenyl ether	Ave	0.8608	0.8195		12.0	12.5	-4.8	20.0
2-Nitroaniline	Ave	0.3578	0.3873	0.0100	14.0	12.5	8.2	20.0
1,4-Naphthoquinone	Ave	0.4420	0.4743		13.0	12.5	7.3	20.0
1,4-Dinitrobenzene	Ave	0.2035	0.2090		13.0	12.5	2.7	20.0
Dimethyl phthalate	Ave	1.343	1.346	0.0100	13.0	12.5	0.3	20.0
1,3-Dinitrobenzene	Ave	0.1823	0.2245		15.0	12.5	23.1*	20.0
2,6-Dinitrotoluene	Ave	0.2836	0.3232	0.2000	14.0	12.5	13.9	20.0
Acenaphthylene	Ave	1.931	1.860	0.9000	12.0	12.5	-3.7	20.0
3-Nitroaniline	Ave	0.3089	0.3322	0.0100	13.0	12.5	7.6	20.0
Acenaphthene	Ave	1.233	1.204	0.9000	12.0	12.5	-2.4	20.0
2,4-Dinitrophenol	Lin2		0.1885	0.0100	24.0	25.0	-2.9	20.0
4-Nitrophenol	Ave	0.2217	0.2201	0.0100	25.0	25.0	-0.7	20.0
Pentachlorobenzene	Ave	0.5330	0.5309		12.0	12.5	-0.4	20.0
2,4-Dinitrotoluene	Ave	0.3813	0.4425	0.2000	15.0	12.5	16.1	20.0
Dibenzofuran	Ave	1.711	1.681	0.8000	12.0	12.5	-1.7	20.0
1-Naphthylamine	Ave	1.085	1.051		12.0	12.5	-3.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3378	0.3493	0.0100	13.0	12.5	3.4	20.0
2-Naphthylamine	Ave	1.233	1.191		12.0	12.5	-3.4	20.0
Diethyl phthalate	Ave	1.263	1.325	0.0100	13.0	12.5	4.9	20.0
Thionazin	Ave	0.2585	0.2429		12.0	12.5	-6.0	20.0
Fluorene	Ave	1.383	1.355	0.9000	12.0	12.5	-2.1	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6814	0.6502	0.4000	12.0	12.5	-4.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-382151/2 Calibration Date: 06/01/2023 21:03

Instrument ID: HP19760 Calib Start Date: 03/23/2023 13:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/23/2023 16:08

Lab File ID: DF0151.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	0.3690	0.3695		13.0	12.5	0.2	20.0
4-Nitroaniline	Ave	0.3369	0.3240	0.0100	12.0	12.5	-3.8	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1203	0.1438	0.0100	30.0	25.0	19.6	20.0
N-Nitrosodiphenylamine	Ave	0.6020	0.6373	0.0100	11.0	10.6	5.9	20.0
1,2-Diphenylhydrazine	Ave	1.029	0.9222		11.0	12.5	-10.4	20.0
Sulfotepp	Ave	0.1577	0.1431		11.0	12.5	-9.3	20.0
1,3,5-Trinitrobenzene	Ave	0.0767	0.0861			12.5	12.2	20.0
cis-Diallate	Ave	0.4349	0.3845		8.20	9.25	-11.6	20.0
Phorate	Ave	0.5657	0.5541		12.0	12.5	-2.0	20.0
Phenacetin	Ave	0.3900	0.4282		14.0	12.5	9.8	20.0
4-Bromophenyl-phenylether	Ave	0.2100	0.2199	0.1000	13.0	12.5	4.7	20.0
trans-Diallate	Ave	0.4524	0.3894		2.80	3.25	-13.9	20.0
Hexachlorobenzene	Ave	0.2254	0.2455	0.1000	14.0	12.5	8.9	20.0
Dimethoate	Ave	0.3593	0.3445		12.0	12.5	-4.1	20.0
Atrazine	Ave	0.2118	0.2072	0.0100	12.0	12.5	-2.2	20.0
Pentachlorophenol	Ave	0.1346	0.1392	0.0500	26.0	25.0	3.4	20.0
4-Aminobiphenyl	Ave	0.8139	0.8031		12.0	12.5	-1.3	20.0
Pentachloronitrobenzene	Ave	0.0962	0.1120		15.0	12.5	16.5	20.0
Pronamide	Ave	0.3241	0.3453		13.0	12.5	6.6	20.0
Dinoseb	Lin2		0.2101		14.0	12.5	14.3	20.0
Disulfoton	Ave	0.6525	0.5499		11.0	12.5	-15.7	20.0
Phenanthrene	Ave	1.090	1.072	0.7000	12.0	12.5	-1.7	20.0
Anthracene	Ave	1.080	1.118	0.7000	13.0	12.5	3.5	20.0
Carbazole	Ave	0.9662	1.007	0.0100	13.0	12.5	4.2	20.0
Methyl parathion	Ave	0.2688	0.2885		13.0	12.5	7.3	20.0
Di-n-butyl phthalate	Ave	1.046	1.204	0.0100	14.0	12.5	15.0	20.0
Parathion	Ave	0.1573	0.1750		14.0	12.5	11.3	20.0
4-Nitroquinoline-1-oxide	Qua2		0.0891		13.0	12.5	4.4	20.0
Octachlorostyrene	Ave	0.0863	0.0962		14.0	12.5	11.5	20.0
Isodrin	Ave	0.1342	0.1272		12.0	12.5	-5.3	20.0
Fluoranthene	Ave	1.154	1.192	0.6000	13.0	12.5	3.3	20.0
Benzidine	Ave	0.7650	0.6815		33.0	37.5	-10.9	20.0
Pyrene	Ave	1.273	1.223	0.6000	12.0	12.5	-4.0	20.0
p-Dimethylamino azobenzene	Ave	0.1939	0.2166		14.0	12.5	11.7	20.0
Chlorobenzilate	Ave	0.3186	0.3643		14.0	12.5	14.3	20.0
3,3'-Dimethylbenzidine	Ave	0.6688	0.6534		12.0	12.5	-2.3	20.0
Butylbenzylphthalate	Ave	0.4639	0.5075	0.0100	14.0	12.5	9.4	20.0
2-Acetylaminofluorene	Lin1		0.4265		13.0	12.5	2.3	20.0
3,3'-Dichlorobenzidine	Ave	0.3871	0.3984	0.0100	13.0	12.5	2.9	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2173	0.2219		13.0	12.5	2.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-382151/2 Calibration Date: 06/01/2023 21:03

Instrument ID: HP19760 Calib Start Date: 03/23/2023 13:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/23/2023 16:08

Lab File ID: DF0151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.018	1.022	0.8000	13.0	12.5	0.3	20.0
Chrysene	Ave	1.020	0.9790	0.7000	12.0	12.5	-4.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6217	0.6816	0.0100	14.0	12.5	9.6	20.0
6-Methylchrysene	Ave	0.6912	0.7106		13.0	12.5	2.8	20.0
Di-n-octyl phthalate	Lin2		1.456	0.0100	14.0	12.5	12.8	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5087	0.5712		14.0	12.5	12.3	20.0
Benzo[b]fluoranthene	Ave	1.244	1.272	0.7000	13.0	12.5	2.3	20.0
Benzo[k]fluoranthene	Ave	1.302	1.400	0.7000	13.0	12.5	7.5	20.0
Benzo[a]pyrene	Ave	1.077	1.158	0.7000	13.0	12.5	7.6	20.0
3-Methylcholanthrene	Ave	0.5540	0.6650		15.0	12.5	20.0	20.0
Dibenz[a,h]acridine	Ave	0.8123	0.9235		14.0	12.5	13.7	20.0
Dibenz[a,j]acridine	Ave	0.9026	1.056		15.0	12.5	17.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8938	0.9693	0.5000	14.0	12.5	8.4	20.0
Dibenz(a,h)anthracene	Ave	1.054	1.166	0.4000	14.0	12.5	10.7	20.0
Benzo[g,h,i]perylene	Ave	1.061	1.165	0.5000	14.0	12.5	9.8	20.0
2-Fluorophenol (Surr)	Ave	1.463	1.477		25.0	25.0	0.9	20.0
Phenol-d5 (Surr)	Ave	2.107	2.113		25.0	25.0	0.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5254	0.5160		25.0	25.0	-1.8	20.0
2-Fluorobiphenyl (Surr)	Ave	1.422	1.337		23.0	25.0	-6.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1721	0.2002		29.0	25.0	16.3	20.0
p-Terphenyl-d14 (Surr)	Ave	0.8257	0.8191		25.0	25.0	-0.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0151.D
Lims ID: CCVIS L6
Client ID:
Sample Type: CCVIS
Inject. Date: 01-Jun-2023 21:03:11 ALS Bottle#: 0 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*sub26

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 00:15:28 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1659

First Level Reviewer: P7EB Date: 01-Jun-2023 21:27:37

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	1.664	1.664	0.000	95	280055	12.5	10.0	M
3 N-Nitrosodimethylamine	74	1.880	1.880	0.000	90	471337	12.5	10.9	
4 Pyridine	79	1.909	1.909	0.000	97	1466170	25.0	20.8	
6 Dimethylformamide	73	2.189	2.189	0.000	92	507388	12.5	11.4	
7 2-Picoline	93	2.480	2.480	0.000	90	787532	12.5	11.7	
8 N-Nitrosomethylethylamine	88	2.574	2.574	0.000	90	387125	12.5	13.1	
9 Methyl methanesulfonate	80	2.836	2.836	0.000	83	403336	12.5	10.6	
$ 10 2-Fluorophenol	112	2.999	2.999	0.000	94	1241694	25.0	25.2	
11 N-Nitrosodiethylamine	102	3.203	3.203	0.000	96	355699	12.5	13.3	
12 Ethyl methanesulfonate	109	3.494	3.494	0.000	98	370945	12.5	12.7	
15 Benzaldehyde	77	3.827	3.827	0.000	96	547637	12.5	10.0	M
$ 16 Phenol-d5	99	3.891	3.891	0.000	96	1775796	25.0	25.1	
17 Phenol	94	3.908	3.908	0.000	93	1005396	12.5	13.9	
18 Aniline	93	3.926	3.926	0.000	96	1140467	12.5	12.7	
19 Bis(2-chloroethyl)ether	93	3.990	3.990	0.000	95	729093	12.5	12.2	
20 2-Chlorophenol	128	4.042	4.042	0.000	93	602574	12.5	13.6	
21 1,3-Dichlorobenzene	146	4.188	4.188	0.000	96	661657	12.5	13.1	
* 22 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	96	168114	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.264	4.264	0.000	92	679490	12.5	12.9	
25 Benzyl alcohol	108	4.375	4.375	0.000	91	431340	12.5	12.6	
26 1,2-Dichlorobenzene	146	4.404	4.404	0.000	95	648073	12.5	13.3	
28 2-Methylphenol	108	4.491	4.491	0.000	94	631867	12.5	13.4	
29 2,2'-oxybis[1-chloropropane]	45	4.509	4.509	0.000	95	985281	12.5	12.9	
31 N-Nitrosopyrrolidine	100	4.614	4.614	0.000	91	387595	12.5	13.6	
34 Acetophenone	105	4.631	4.631	0.000	95	967218	12.5	12.5	
33 N-Nitrosodi-n-propylamine	70	4.637	4.637	0.000	81	575943	12.5	12.0	
32 4-Methylphenol	108	4.643	4.643	0.000	95	723522	12.5	14.5	
35 N-Nitrosomorpholine	56	4.649	4.649	0.000	89	465717	12.5	12.7	
36 2-Toluidine	106	4.666	4.666	0.000	95	1091616	12.5	12.7	
38 Hexachloroethane	117	4.730	4.730	0.000	95	273331	12.5	12.4	
$ 39 Nitrobenzene-d5	82	4.777	4.777	0.000	88	1582068	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.794	4.794	0.000	85	788409	12.5	12.0	
42 N-Nitrosopiperidine	114	4.940	4.940	0.000	85	334454	12.5	13.8	
43 Isophorone	82	5.022	5.022	0.000	96	1489801	12.5	13.2	
44 2-Nitrophenol	139	5.097	5.097	0.000	91	309404	12.5	15.6	
45 2,4-Dimethylphenol	107	5.150	5.150	0.000	97	649613	12.5	13.2	
46 o,o',o''-Triethylphosphorothioat	198	5.214	5.214	0.000	87	316051	12.5	14.7	
47 Bis(2-chloroethoxy)methane	93	5.237	5.237	0.000	98	855537	12.5	12.4	
48 2,4-Dichlorophenol	162	5.336	5.336	0.000	96	489403	12.5	14.4	
49 1,2,4-Trichlorobenzene	180	5.412	5.412	0.000	94	538609	12.5	13.1	
* 50 Naphthalene-d8	136	5.465	5.465	0.000	99	613253	5.00	5.00	
51 Naphthalene	128	5.482	5.482	0.000	97	1722667	12.5	13.1	
52 Alpha-Terpineol	59	5.499	5.499	0.000	94	586446	12.5	13.7	
53 4-Chloroaniline	127	5.540	5.540	0.000	93	720223	12.5	13.9	
54 2,6-Dichlorophenol	162	5.546	5.546	0.000	95	481050	12.5	14.0	
55 Hexachloropropene	213	5.569	5.569	0.000	87	397530	12.5	14.4	
56 Hexachlorobutadiene	225	5.604	5.604	0.000	94	322561	12.5	13.8	
60 Quinoline	129	5.803	5.803	0.000	95	1148930	12.5	13.8	
61 Caprolactam	113	5.861	5.861	0.000	76	176967	12.5	13.0	
62 N-Nitrosodi-n-butylamine	84	5.867	5.867	0.000	92	681637	12.5	14.0	
63 p-Phenylene diamine	108	5.884	5.884	0.000	96	352186	12.5	8.34	
64 4-Chloro-3-methylphenol	107	6.018	6.018	0.000	93	571114	12.5	13.0	
65 Safrole, Total	162	6.065	6.065	0.000	87	454871	12.5	13.7	
66 2-Methylnaphthalene	142	6.146	6.146	0.000	92	1127448	12.5	13.5	
67 1-Methylnaphthalene	142	6.240	6.240	0.000	93	1041267	12.5	13.4	
68 Hexachlorocyclopentadiene	237	6.292	6.292	0.000	96	308647	12.5	10.7	
69 1,2,4,5-Tetrachlorobenzene	216	6.304	6.304	0.000	97	580811	12.5	12.4	
70 Isosafrole Peak 1	162	6.345	6.345	0.000	87	80822	2.00	1.92	
71 2,4,6-Trichlorophenol	196	6.420	6.420	0.000	93	346673	12.5	12.8	
72 2,4,5-Trichlorophenol	196	6.461	6.461	0.000	94	386199	12.5	13.2	
$ 73 2-Fluorobiphenyl (Surr)	172	6.496	6.496	0.000	99	2449293	25.0	23.5	
74 Isosafrole Peak 2	162	6.560	6.560	0.000	90	470813	10.5	10.6	
75 1,1'-Biphenyl	154	6.589	6.589	0.000	94	1394487	12.5	12.2	
76 2-Chloronaphthalene	162	6.607	6.607	0.000	94	1096392	12.5	12.4	M
77 1-Chloronaphthalene	162	6.624	6.624	0.000	97	936762	12.5	10.9	Ma
78 Phenyl ether	170	6.694	6.694	0.000	87	750842	12.5	11.9	
79 2-Nitroaniline	138	6.706	6.706	0.000	78	354814	12.5	13.5	
81 1,4-Naphthoquinone	158	6.776	6.776	0.000	84	434554	12.5	13.4	
84 1,4-Dinitrobenzene	168	6.846	6.846	0.000	86	191442	12.5	12.8	
85 Dimethyl phthalate	163	6.887	6.887	0.000	98	1233466	12.5	12.5	
86 1,3-Dinitrobenzene	168	6.910	6.910	0.000	84	205642	12.5	15.4	
87 2,6-Dinitrotoluene	165	6.939	6.939	0.000	93	296081	12.5	14.2	
88 Acenaphthylene	152	6.997	6.997	0.000	99	1704076	12.5	12.0	
89 3-Nitroaniline	138	7.097	7.097	0.000	88	304372	12.5	13.4	
* 90 Acenaphthene-d10	164	7.132	7.132	0.000	94	366472	5.00	5.00	
91 Acenaphthene	153	7.161	7.161	0.000	96	1102717	12.5	12.2	
92 2,4-Dinitrophenol	184	7.201	7.201	0.000	86	345443	25.0	24.3	
93 4-Nitrophenol	109	7.283	7.283	0.000	73	403252	25.0	24.8	
94 Pentachlorobenzene	250	7.283	7.283	0.000	97	486417	12.5	12.5	
95 2,4-Dinitrotoluene	165	7.318	7.318	0.000	89	405442	12.5	14.5	
96 Dibenzofuran	168	7.330	7.330	0.000	96	1540330	12.5	12.3	
97 1-Naphthylamine	143	7.405	7.405	0.000	98	962547	12.5	12.1	
98 2,3,4,6-Tetrachlorophenol	232	7.446	7.446	0.000	74	320029	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
99 2-Naphthylamine	143	7.481	7.481	0.000	95	1090899	12.5	12.1	
100 Diethyl phthalate	149	7.563	7.563	0.000	98	1214007	12.5	13.1	
101 Thionazin	107	7.639	7.639	0.000	80	222549	12.5	11.7	
102 Fluorene	166	7.650	7.650	0.000	93	1241004	12.5	12.2	
103 4-Chlorophenyl phenyl ether	204	7.656	7.656	0.000	93	595665	12.5	11.9	
104 N-Nitro-o-toluidine	152	7.668	7.668	0.000	90	338548	12.5	12.5	
105 4-Nitroaniline	138	7.674	7.674	0.000	79	296867	12.5	12.0	
106 4,6-Dinitro-2-methylphenol	198	7.703	7.703	0.000	83	468774	25.0	29.9	
107 N-Nitrosodiphenylamine	169	7.773	7.773	0.000	62	883024	10.6	11.2	
108 1,2-Diphenylhydrazine	77	7.808	7.808	0.000	41	1503245	12.5	11.2	
$ 109 2,4,6-Tribromophenol	330	7.878	7.878	0.000	92	366930	25.0	29.1	
110 Sulfotepp	97	7.930	7.930	0.000	78	233189	12.5	11.3	
112 1,3,5-Trinitrobenzene	213	8.029	8.029	0.000	83	140350	12.5	14.0	
113 cis-Diallate	86	8.047	8.047	0.000	0	463757	9.25	8.18	
114 Phorate	75	8.052	8.052	0.000	96	903293	12.5	12.2	
115 Phenacetin	108	8.076	8.076	0.000	91	697979	12.5	13.7	
116 4-Bromophenyl phenyl ether	248	8.122	8.122	0.000	66	358401	12.5	13.1	
117 trans-Diallate	86	8.128	8.128	0.000	0	165041	3.25	2.80	
118 Hexachlorobenzene	284	8.169	8.169	0.000	94	400190	12.5	13.6	
119 Dimethoate	87	8.216	8.216	0.000	97	561560	12.5	12.0	
120 Atrazine	200	8.286	8.286	0.000	91	337829	12.5	12.2	
121 Pentachlorophenol	266	8.361	8.361	0.000	92	453666	25.0	25.8	
122 4-Aminobiphenyl	169	8.367	8.367	0.000	91	1309176	12.5	12.3	
123 Pentachloronitrobenzene	237	8.367	8.367	0.000	58	182584	12.5	14.6	
124 Pronamide	173	8.431	8.431	0.000	90	562828	12.5	13.3	
* 126 Phenanthrene-d10	188	8.536	8.536	0.000	97	652025	5.00	5.00	
125 Dinoseb	211	8.542	8.542	0.000	94	342521	12.5	14.3	
127 Disulfoton	88	8.554	8.554	0.000	94	896291	12.5	10.5	
128 Phenanthrene	178	8.560	8.560	0.000	96	1746829	12.5	12.3	
129 Anthracene	178	8.606	8.606	0.000	98	1822416	12.5	12.9	
130 Carbazole	167	8.764	8.764	0.000	96	1641856	12.5	13.0	
131 Methyl parathion	109	8.903	8.903	0.000	90	470205	12.5	13.4	
133 Di-n-butyl phthalate	149	9.113	9.113	0.000	100	1962420	12.5	14.4	
134 Ethyl Parathion	109	9.276	9.276	0.000	83	285342	12.5	13.9	
135 4-Nitroquinoline-1-oxide	190	9.300	9.300	0.000	88	145310	12.5	13.1	
140 Octachlorostyrene	308	9.510	9.510	0.000	92	156890	12.5	13.9	
141 Isodrin	193	9.545	9.545	0.000	92	207318	12.5	11.8	
S 136 Diallate	86				0		12.5	11.0	
143 Fluoranthene	202	9.684	9.684	0.000	98	1942459	12.5	12.9	
147 Benzidine	184	9.830	9.830	0.000	99	3319119	37.5	33.4	
* 149 Pyrene-d10 (IS)	212	9.883	9.883	0.000	99	649380	5.00	5.00	
150 Pyrene	202	9.900	9.900	0.000	97	1985111	12.5	12.0	
$ 152 p-Terphenyl-d14	244	10.063	10.063	0.000	99	2659442	25.0	24.8	
154 p-Dimethylamino azobenzene	225	10.197	10.197	0.000	94	351675	12.5	14.0	
155 Chlorobenzilate	139	10.250	10.250	0.000	89	591478	12.5	14.3	
156 3,3'-Dimethylbenzidine	212	10.535	10.535	0.000	99	1060686	12.5	12.2	
157 Butyl benzyl phthalate	149	10.565	10.565	0.000	96	823842	12.5	13.7	
158 2-Acetylaminofluorene	181	10.798	10.798	0.000	95	692399	12.5	12.8	
159 3,3'-Dichlorobenzidine	252	11.124	11.124	0.000	77	646714	12.5	12.9	
160 4,4'-Methylene bis(2-chloroani	231	11.130	11.130	0.000	95	360187	12.5	12.8	
161 Benzo[a]anthracene	228	11.130	11.130	0.000	98	1658586	12.5	12.5	
162 Chrysene	228	11.171	11.171	0.000	97	1589298	12.5	12.0	

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	11.223	11.223	0.000	98	1106509	12.5	13.7	
164 6-Methylchrysene	242	11.713	11.713	0.000	99	1153575	12.5	12.9	
165 Di-n-octyl phthalate	149	12.045	12.045	0.000	99	1817629	12.5	14.1	
166 7,12-Dimethylbenz(a)anthracene	256	12.471	12.471	0.000	74	712902	12.5	14.0	
167 Benzo[b]fluoranthene	252	12.471	12.471	0.000	96	1587933	12.5	12.8	
168 Benzo[k]fluoranthene	252	12.511	12.511	0.000	99	1747296	12.5	13.4	
169 Benzo[a]pyrene	252	12.908	12.908	0.000	78	1445604	12.5	13.4	
* 170 Perylene-d12	264	12.983	12.983	0.000	98	499209	5.00	5.00	s
171 3-Methylcholanthrene	268	13.415	13.415	0.000	91	829968	12.5	15.0	
172 Dibenz[a,h]acridine	279	14.178	14.178	0.000	90	1152520	12.5	14.2	
173 Dibenz[a,j]acridine	279	14.254	14.254	0.000	96	1318454	12.5	14.6	
174 Indeno[1,2,3-cd]pyrene	276	14.487	14.487	0.000	99	1209729	12.5	13.6	
175 Dibenz(a,h)anthracene	278	14.528	14.528	0.000	92	1455429	12.5	13.8	
176 Benzo[g,h,i]perylene	276	14.831	14.831	0.000	98	1454196	12.5	13.7	
S 182 Isosafrole	162				0		12.5	12.5	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00042 Amount Added: 1.00 Units: mL

Report Date: 02-Jun-2023 00:15:29 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0151.D

Injection Date: 01-Jun-2023 21:03:11 Instrument ID: HP19760 Operator ID: mem41592

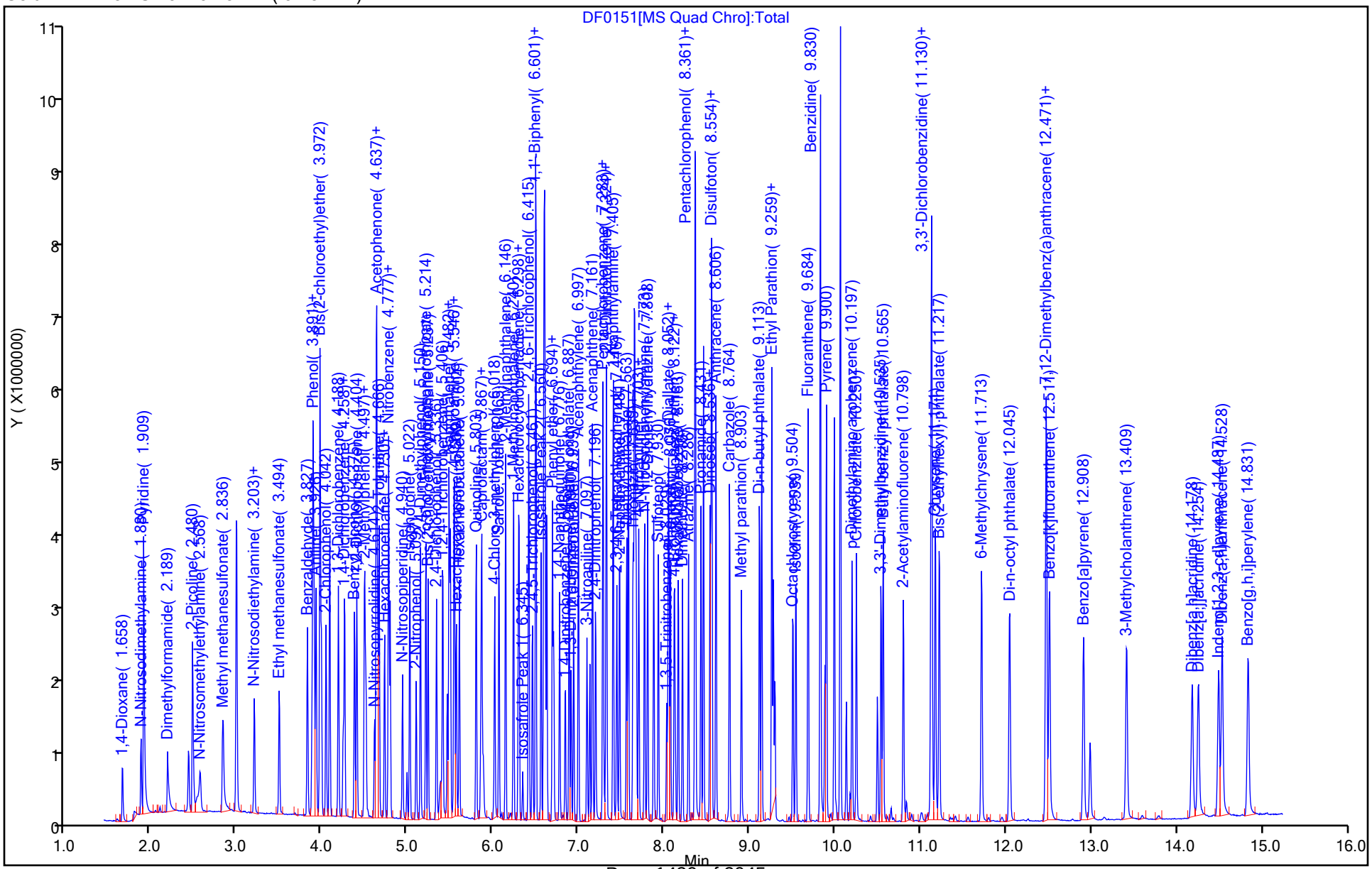
Lims ID: CCVIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

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

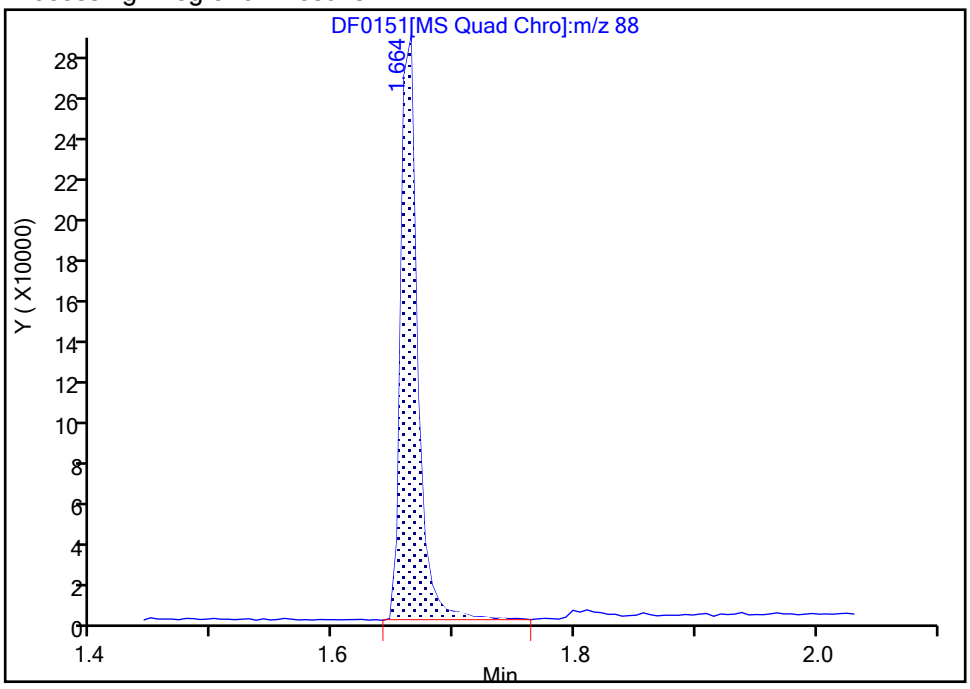
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0151.D				
Injection Date:	01-Jun-2023 21:03:11	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

2 1,4-Dioxane, CAS: 123-91-1

Signal: 1

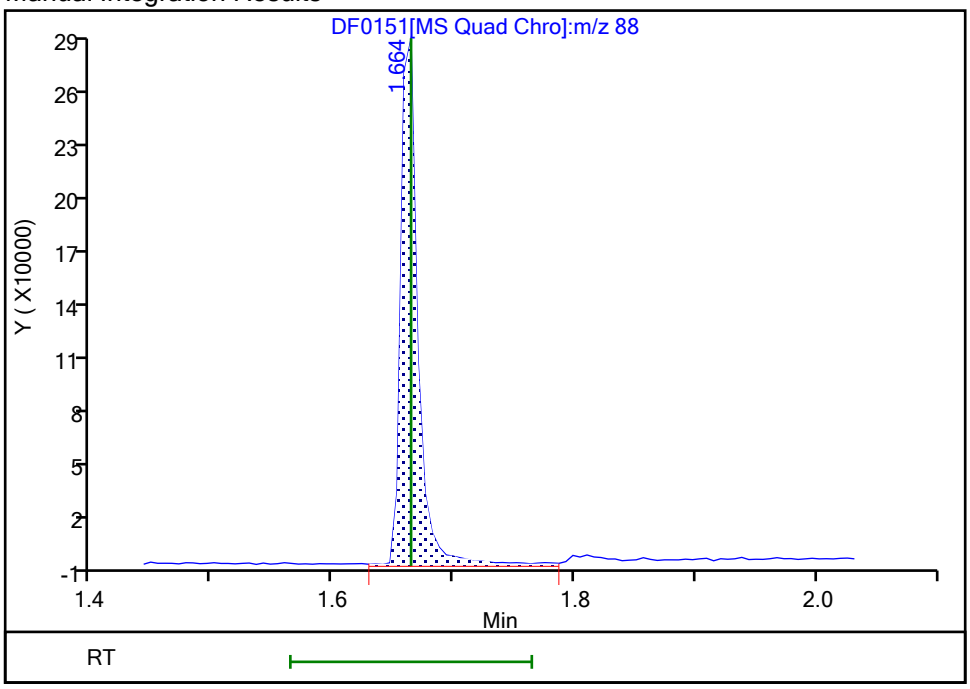
Processing Integration Results

RT: 1.66
Area: 275035
Amount: 9.848836
Amount Units: ug/ml



Manual Integration Results

RT: 1.66
Area: 280055
Amount: 10.028599
Amount Units: ug/ml



Reviewer: P7EB, 01-Jun-2023 21:27:34 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

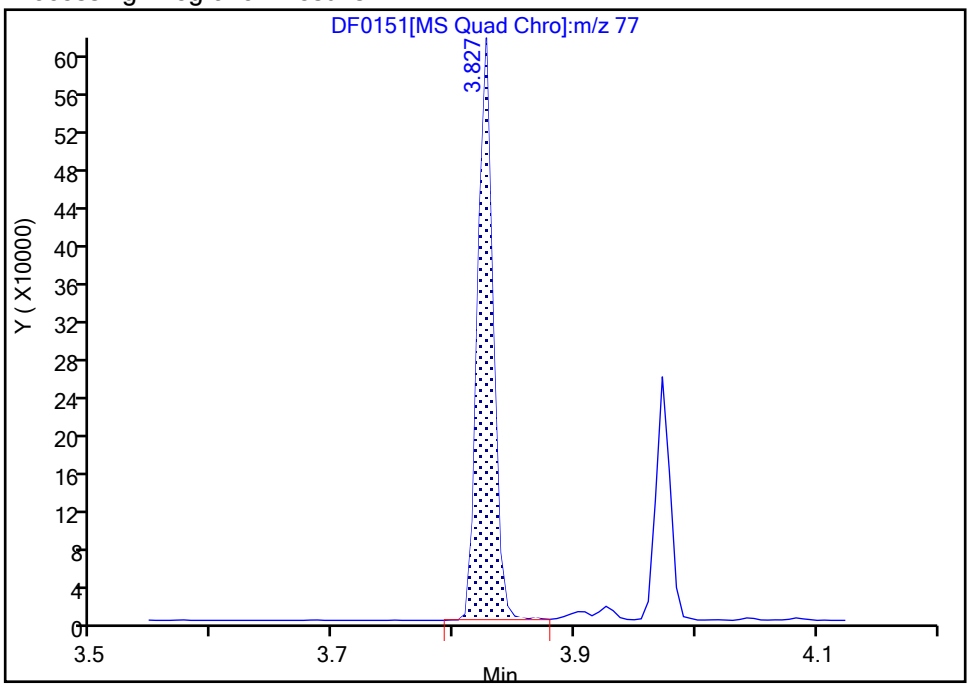
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0151.D				
Injection Date:	01-Jun-2023 21:03:11	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

15 Benzaldehyde, CAS: 100-52-7

Signal: 1

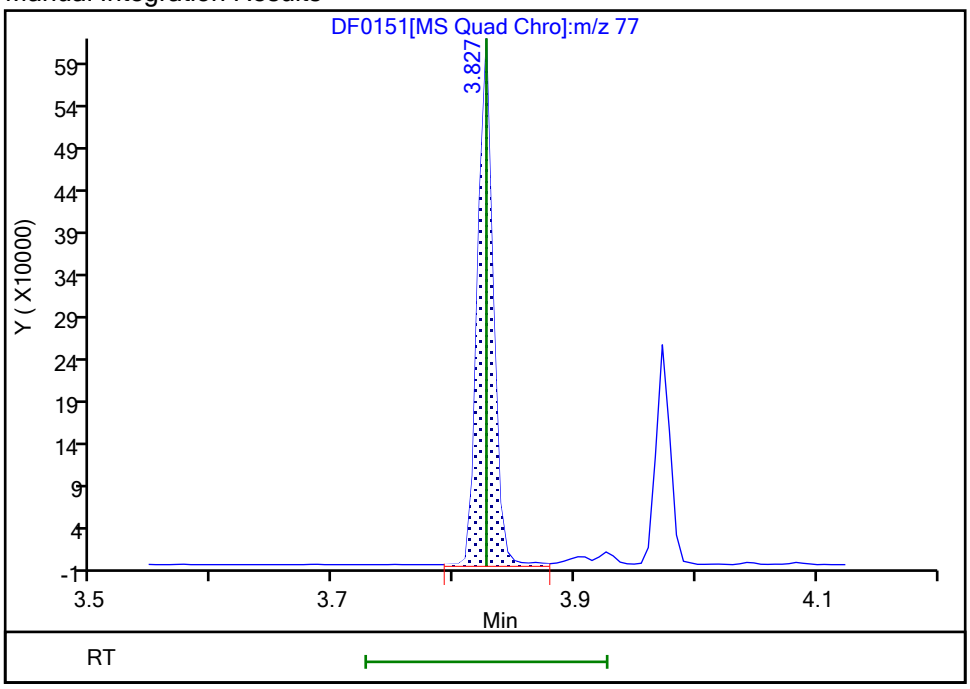
Processing Integration Results

RT: 3.83
Area: 543976
Amount: 9.959822
Amount Units: ug/ml



Manual Integration Results

RT: 3.83
Area: 547637
Amount: 10.026853
Amount Units: ug/ml



Reviewer: P7EB, 01-Jun-2023 21:24:09 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

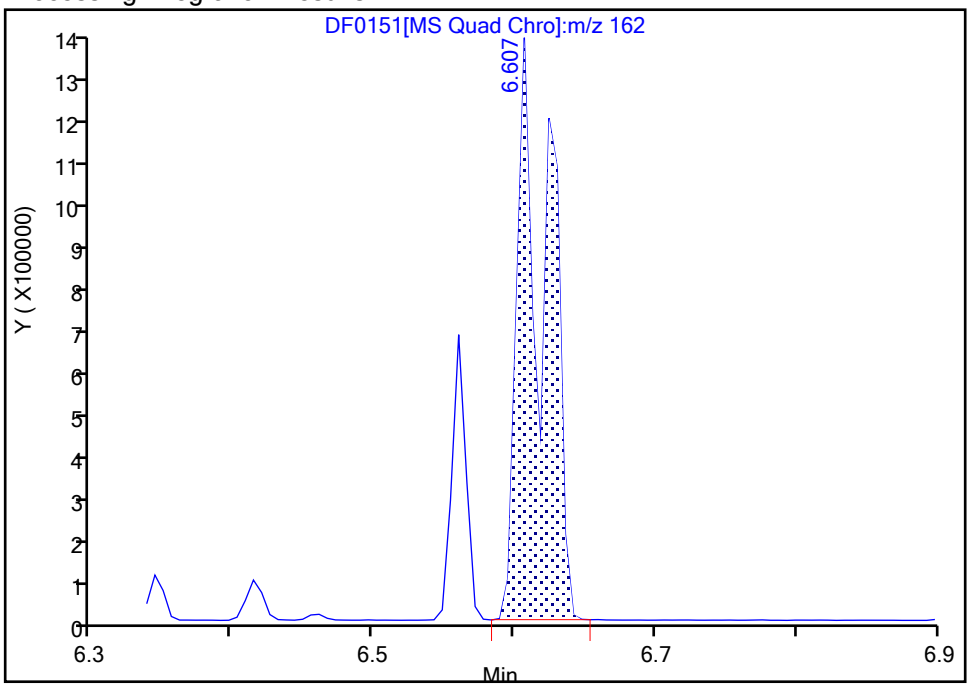
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0151.D				
Injection Date:	01-Jun-2023 21:03:11	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit 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

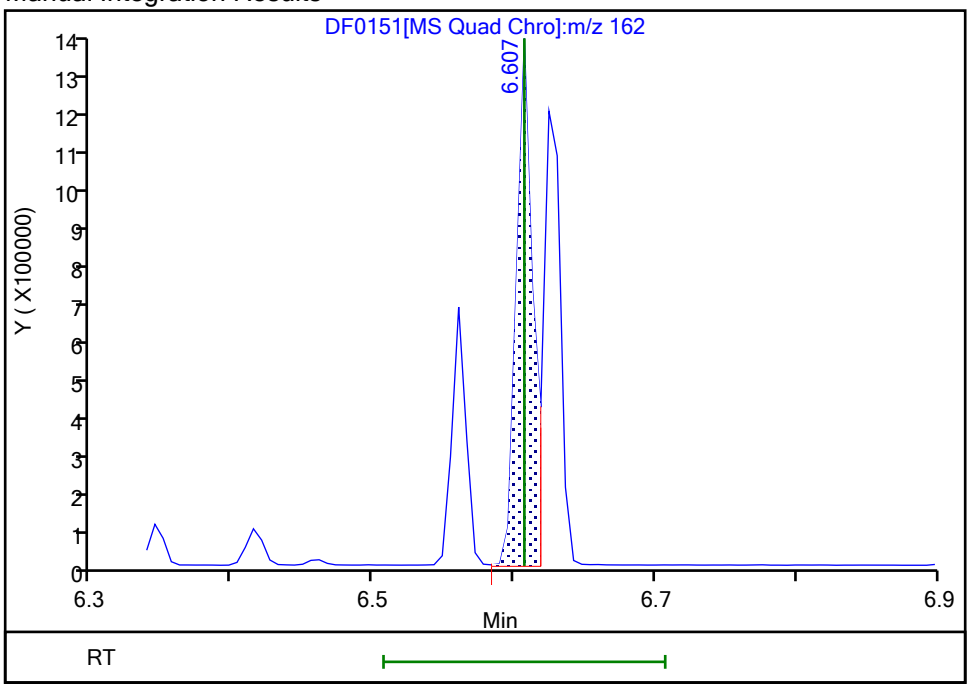
Processing Integration Results

RT: 6.61
Area: 2033154
Amount: 22.961631
Amount Units: ug/ml



Manual Integration Results

RT: 6.61
Area: 1096392
Amount: 12.382214
Amount Units: ug/ml



Reviewer: P7EB, 01-Jun-2023 21:26:51 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

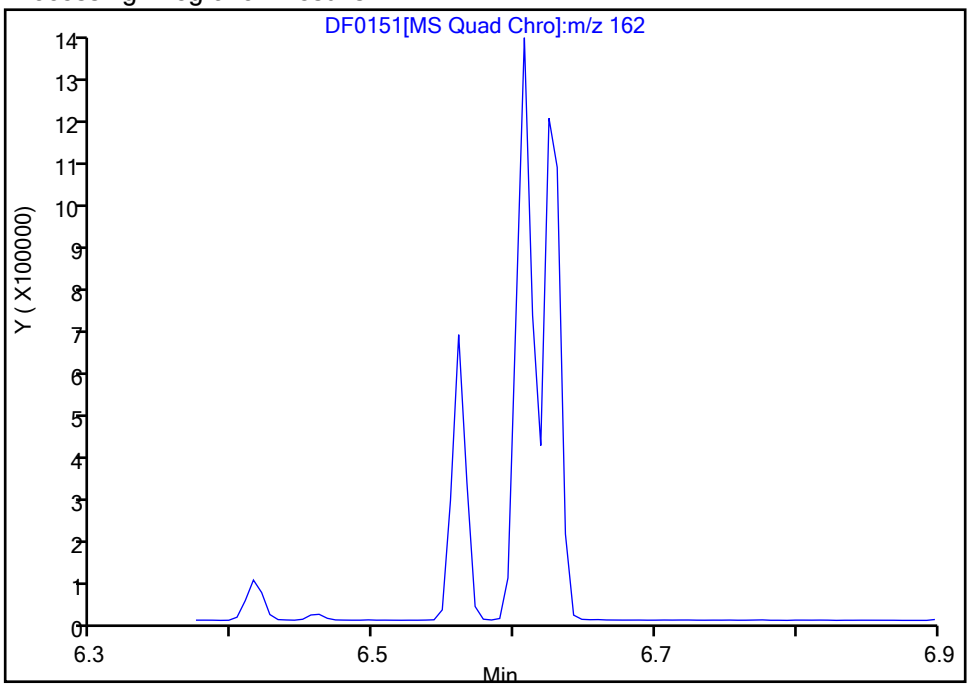
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0151.D				
Injection Date:	01-Jun-2023 21:03:11	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit 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

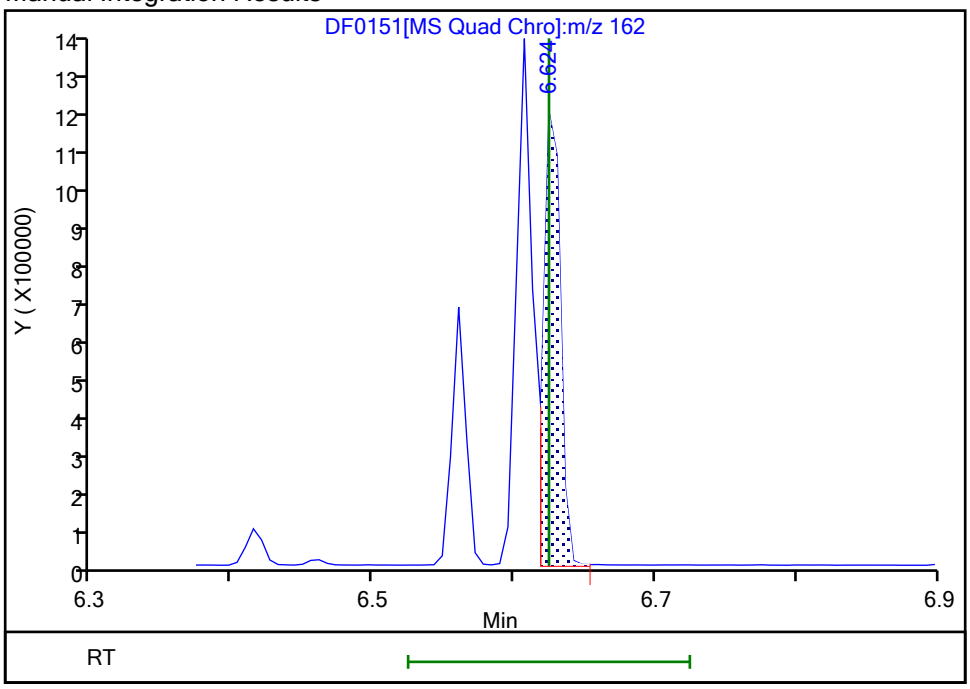
Not Detected
Expected RT: 6.62

Processing Integration Results



Manual Integration Results

RT: 6.62
Area: 936762
Amount: 10.944309
Amount Units: ug/ml



Reviewer: P7EB, 01-Jun-2023 21:26:59 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-330490/12 Calibration Date: 12/27/2022 22:17

Instrument ID: HP20296 Calib Start Date: 10/05/2022 20:10

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 10/05/2022 21:54

Lab File ID: LL2761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Ave	0.3565				12.5	-100.0*	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 27-Dec-2022 22:17:53 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0074050-012
Operator ID: mem41592 Instrument ID: HP20296
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:39:53 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 28-Dec-2022 15:51:08

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	0.000	98	567309	12.5	12.6	
2 N-Nitrosodimethylamine	74	2.056	2.056	0.000	94	981711	12.5	12.7	
3 Pyridine	79	2.094	2.094	0.000	97	3092837	25.0	25.1	
5 2-Picoline	93	2.698	2.698	0.000	93	1584734	12.5	12.7	
6 N-Nitrosomethylethylamine	88	2.789	2.784	0.005	94	701591	12.5	11.8	
9 Methyl methanesulfonate	80	3.057	3.057	0.000	85	863015	12.5	11.9	
11 N-Nitrosodiethylamine	102	3.442	3.442	0.000	97	657972	12.5	12.6	
13 Ethyl methanesulfonate	109	3.725	3.725	0.000	96	646026	12.5	11.7	
30 Indene	115		4.057				ND	ND	
17 Phenol	94	4.110	4.110	0.000	98	1782494	12.5	13.2	
18 Aniline	93	4.153	4.153	0.000	96	2221486	12.5	13.1	
19 Bis(2-chloroethyl)ether	93	4.217	4.217	0.000	94	1446056	12.5	12.8	
20 2-Chlorophenol	128	4.265	4.265	0.000	90	993944	12.5	13.1	
22 1,3-Dichlorobenzene	146	4.420	4.420	0.000	91	1037247	12.5	12.8	
* 24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	96	267671	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	87	1069628	12.5	12.8	
27 Benzyl alcohol	108	4.597	4.597	0.000	89	865092	12.5	12.8	
29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	89	1010221	12.5	12.8	
31 2-Methylphenol	108	4.699	4.699	0.000	97	1191576	12.5	13.4	
32 2,2'-oxybis[1-chloropropane]	45	4.736	4.731	0.005	94	1952432	12.5	12.6	
34 N-Nitrosopyrrolidine	100	4.832	4.832	0.000	93	785958	12.5	13.0	
36 4-Methylphenol	108	4.843	4.843	0.000	94	1291902	12.5	13.5	
50 Benzoic acid	105		4.844				ND	ND	
37 N-Nitrosodi-n-propylamine	70	4.854	4.854	0.000	72	1293026	12.5	13.4	
35 Acetophenone	105	4.854	4.854	0.000	88	1973106	12.5	13.1	
38 N-Nitrosomorpholine	56	4.870	4.870	0.000	91	1056875	12.5	12.9	
39 2-Toluidine	106	4.886	4.886	0.000	95	2193792	12.5	13.3	
40 Hexachloroethane	117	4.961	4.961	0.000	93	502754	12.5	13.2	
42 Nitrobenzene	77	5.020	5.019	0.001	86	1695245	12.5	12.6	
44 N-Nitrosopiperidine	114	5.164	5.159	0.005	85	627760	12.5	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
46 Isophorone	82	5.244	5.244	0.000	98	3232497	12.5	12.9	
47 2-Nitrophenol	139	5.319	5.319	0.000	90	485851	12.5	12.7	
48 2,4-Dimethylphenol	107	5.356	5.356	0.000	99	1302575	12.5	12.6	
49 o,o',o''-Triethylphosphorothioat	198	5.431	5.431	0.000	94	492618	12.5	11.9	
51 Bis(2-chloroethoxy)methane	93	5.453	5.453	0.000	97	1919388	12.5	13.3	
52 2,4-Dichlorophenol	162	5.544	5.544	0.000	95	841527	12.5	13.4	
54 1,2,4-Trichlorobenzene	180	5.635	5.629	0.006	92	907027	12.5	13.0	
* 55 Naphthalene-d8	136	5.688	5.688	0.000	99	1143069	5.00	5.00	
56 Naphthalene	128	5.709	5.709	0.000	98	3210928	12.5	13.1	
57 4-Chloroaniline	127	5.758	5.758	0.000	91	1382516	12.5	13.0	
58 2,6-Dichlorophenol	162	5.763	5.763	0.000	89	852035	12.5	13.4	
59 Hexachloropropene	213	5.795	5.795	0.000	91	584602	12.5	12.2	
60 Hexachlorobutadiene	225	5.827	5.827	0.000	96	508722	12.5	12.8	
62 Quinoline	129	6.025	6.020	0.005	92	2258265	12.5	13.3	
65 N-Nitrosodi-n-butylamine	84	6.079	6.079	0.001	94	1215213	12.5	11.2	
33 p-Phenylene diamine	108		6.089				ND	ND	U
66 4-Chloro-3-methylphenol	107	6.212	6.212	0.000	92	1241372	12.5	13.4	
67 Safrole, Total	162	6.287	6.287	0.000	81	777716	12.5	12.7	
69 2-Methylnaphthalene	142	6.367	6.367	0.000	91	2074414	12.5	14.1	
70 1-Methylnaphthalene	142	6.458	6.458	0.000	92	1913584	12.5	12.6	
71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	97	549275	12.5	10.6	
72 1,2,4,5-Tetrachlorobenzene	216	6.522	6.522	0.000	98	967410	12.5	13.4	
73 Isosafrole Peak 1	162	6.560	6.560	0.000	82	105636	1.50	1.51	
74 2,4,6-Trichlorophenol	196	6.629	6.629	0.000	95	603694	12.5	13.3	
75 2,4,5-Trichlorophenol	196	6.662	6.662	0.000	90	684505	12.5	13.4	
77 Isosafrole Peak 2	162	6.779	6.779	0.000	86	791229	11.0	9.94	
79 1,1'-Biphenyl	154	6.811	6.811	0.000	96	2636072	12.5	13.1	
80 2-Chloronaphthalene	162	6.827	6.827	0.000	98	1956438	12.5	12.6	
81 1-Chloronaphthalene	162	6.849	6.849	0.000	95	1907340	12.5	12.7	
82 Phenyl ether	170	6.913	6.913	0.000	91	1343388	12.5	13.0	
83 2-Nitroaniline	138	6.924	6.924	0.000	79	673708	12.5	13.5	
84 1,4-Naphthoquinone	158	6.993	6.993	0.000	73	815933	12.5	13.1	
85 1,4-Dinitrobenzene	168	7.057	7.057	0.000	85	309173	12.5	13.5	
86 Dimethyl phthalate	163	7.100	7.100	0.000	96	2354082	12.5	12.8	
87 1,3-Dinitrobenzene	168	7.122	7.121	0.001	81	355942	12.5	13.6	
88 2,6-Dinitrotoluene	165	7.154	7.154	0.000	82	525284	12.5	13.7	
90 Acenaphthylene	152	7.218	7.218	0.000	99	3339729	12.5	14.0	
91 3-Nitroaniline	138	7.309	7.309	0.000	87	598152	12.5	13.2	
* 92 Acenaphthene-d10	164	7.352	7.351	0.001	94	663383	5.00	5.00	
93 Acenaphthene	153	7.384	7.384	0.000	97	2122776	12.5	13.1	
94 2,4-Dinitrophenol	184	7.410	7.410	0.000	72	523518	25.0	25.9	
96 4-Nitrophenol	109	7.464	7.464	0.000	88	813051	25.0	26.9	
98 Pentachlorobenzene	250	7.507	7.507	0.000	97	878641	12.5	12.6	
99 2,4-Dinitrotoluene	165	7.533	7.533	0.000	84	712215	12.5	13.2	
100 Dibenzofuran	168	7.549	7.549	0.000	97	2913421	12.5	12.7	
101 1-Naphthylamine	143	7.619	7.619	0.000	97	2154686	12.5	13.0	
102 2,3,4,6-Tetrachlorophenol	232	7.662	7.662	0.000	78	568703	12.5	13.4	
103 2-Naphthylamine	143	7.694	7.694	0.000	94	2369643	12.5	13.2	
104 Diethyl phthalate	149	7.774	7.774	0.000	96	2465990	12.5	13.2	
106 Thionazin	107	7.849	7.849	0.000	76	509142	12.5	12.6	
105 Fluorene	166	7.870	7.870	0.000	93	2385513	12.5	13.0	
108 4-Chlorophenyl phenyl ether	204	7.876	7.876	0.000	85	1136000	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
107 N-Nitro-o-toluidine	152	7.881	7.881	0.000	81	712282	12.5	13.6	
109 4-Nitroaniline	138	7.886	7.886	0.000	79	649135	12.5	13.6	
110 4,6-Dinitro-2-methylphenol	198	7.918	7.913	0.005	71	714512	25.0	27.6	
111 N-Nitrosodiphenylamine	169	7.988	7.988	0.000	98	1694602	10.6	11.4	
112 1,2-Diphenylhydrazine	77	8.025	8.025	0.000	100	3966434	12.5	13.7	
114 Sulfotepp	97	8.143	8.143	0.000	81	576020	12.5	12.8	
175 1,3,5-Trinitrobenzene	213	8.229	8.229	0.000	81	205268	12.5	12.4	
115 cis-Diallate	86	8.261	8.261	0.000	75	1169619	9.38	9.10	
116 Phorate	75	8.271	8.271	0.000	95	2438931	12.5	13.0	
117 Phenacetin	108	8.282	8.277	0.005	89	1541691	12.5	13.3	
118 4-Bromophenyl phenyl ether	248	8.341	8.341	0.000	76	641757	12.5	13.0	
119 trans-Diallate	86	8.346	8.346	0.000	98	420405	3.13	3.37	
120 Hexachlorobenzene	284	8.389	8.389	0.000	96	749912	12.5	12.5	
121 Dimethoate	87	8.427	8.427	0.000	97	1430218	12.5	12.9	
123 Pentachlorophenol	266	8.576	8.576	0.000	92	860465	25.0	27.7	
124 4-Aminobiphenyl	169	8.582	8.582	0.000	92	2759384	12.5	12.9	
125 Pentachloronitrobenzene	237	8.587	8.587	0.000	84	308709	12.5	12.4	
126 Pronamide	173	8.641	8.641	0.001	92	1134333	12.5	13.6	
128 Dinoseb	211	8.753	8.753	0.000	92	487611	12.5	12.2	
* 127 Phenanthrene-d10	188	8.758	8.758	0.000	96	1251900	5.00	5.00	
68 Disulfoton	88	8.769	8.769	0.000	95	2297924	12.5	11.4	
129 Phenanthrene	178	8.780	8.780	0.000	97	3424794	12.5	12.6	
130 Anthracene	178	8.828	8.828	0.000	98	3555545	12.5	13.2	
131 Carbazole	167	8.983	8.983	0.000	96	3225094	12.5	13.1	
132 Methyl parathion	109	9.122	9.117	0.005	90	977340	12.5	13.2	
133 Di-n-butyl phthalate	149	9.325	9.325	0.000	100	4026810	12.5	13.7	
134 Ethyl Parathion	109	9.491	9.491	0.000	82	585225	12.5	12.9	
135 4-Nitroquinoline-1-oxide	190	9.512	9.512	0.000	78	285376	12.5	11.6	
167 Aramite Peak 1	185		9.642				ND	ND	
S 63 Diallate	86				0		12.5	12.5	
171 Aramite Peak 2	185		9.658				ND	ND	
176 Aramite Peak 3	185		9.700				ND	ND	
136 Octachlorostyrene	308	9.726	9.726	0.000	94	311942	12.5	13.3	
137 Isodrin	193	9.769	9.769	0.000	86	401305	12.5	11.8	
173 Aramite Peak 4	185		9.775				ND	ND	
138 Fluoranthene	202	9.908	9.908	0.000	99	3662790	12.5	13.2	
139 Benzidine	184	10.042	10.042	0.000	99	2237707	12.5	12.5	
95 Famphur	218	10.160	10.069	0.091	1	249	NC	NC	
* 140 Pyrene-d10 (IS)	212	10.106	10.101	0.005	99	1215983	5.00	5.00	
141 Pyrene	202	10.122	10.122	0.000	96	3815193	12.5	12.6	
143 p-Dimethylamino azobenzene	225	10.427	10.422	0.005	94	690184	12.5	14.2	
144 Chlorobenzilate	139	10.475	10.475	0.000	86	1211660	12.5	13.0	
145 3,3'-Dimethylbenzidine	212	10.775	10.769	0.006	99	1958658	12.5	12.7	
146 Butyl benzyl phthalate	149	10.796	10.796	0.000	93	1773936	12.5	13.3	
147 2-Acetylaminofluorene	181	11.042	11.042	0.000	96	1238077	12.5	12.3	
148 3,3'-Dichlorobenzidine	252	11.379	11.379	0.000	79	1282751	12.5	13.0	
150 4,4'-Methylene bis(2-chloroani	231	11.390	11.384	0.006	94	679798	12.5	13.5	
149 Benzo[a]anthracene	228	11.395	11.395	0.000	99	3354631	12.5	13.5	
151 Chrysene	228	11.438	11.438	0.000	97	3311288	12.5	13.3	
152 Bis(2-ethylhexyl) phthalate	149	11.475	11.475	0.000	96	2362713	12.5	12.9	
S 89 Aramite, Total	185		11.583				12.5	ND	7
153 6-Methylchrysene	242	12.005	12.005	0.000	100	2244438	12.5	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
154 Di-n-octyl phthalate	149	12.336	12.336	0.000	99	3639968	12.5	13.2	
156 7,12-Dimethylbenz(a)anthracene	256	12.791	12.791	0.000	73	1420763	12.5	12.5	
155 Benzo[b]fluoranthene	252	12.791	12.791	0.000	97	3266015	12.5	13.5	
157 Benzo[k]fluoranthene	252	12.829	12.834	-0.006	99	3406648	12.5	13.4	
158 Benzo[a]pyrene	252	13.246	13.246	0.000	80	2885982	12.5	14.2	
* 159 Perylene-d12	264	13.326	13.320	0.006	96	997361	5.00	5.00	
160 3-Methylcholanthrene	268	13.765	13.765	0.001	93	1551577	12.5	13.1	
161 Dibenz[a,h]acridine	279	14.572	14.572	0.000	91	2342534	12.5	14.4	
162 Dibenz[a,j]acridine	279	14.652	14.652	0.000	96	2813934	12.5	14.2	
163 Indeno[1,2,3-cd]pyrene	276	14.925	14.925	0.000	99	2520390	12.5	14.0	
164 Dibenz(a,h)anthracene	278	14.973	14.979	-0.006	94	2868997	12.5	13.9	
165 Benzo[g,h,i]perylene	276	15.332	15.332	0.000	97	2948233	12.5	13.5	
S 166 Isosafrole	162				0		12.5	11.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00018 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2022 14:40:07 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2761.D

Injection Date: 27-Dec-2022 22:17:53 Instrument ID: HP20296 Operator ID: mem41592

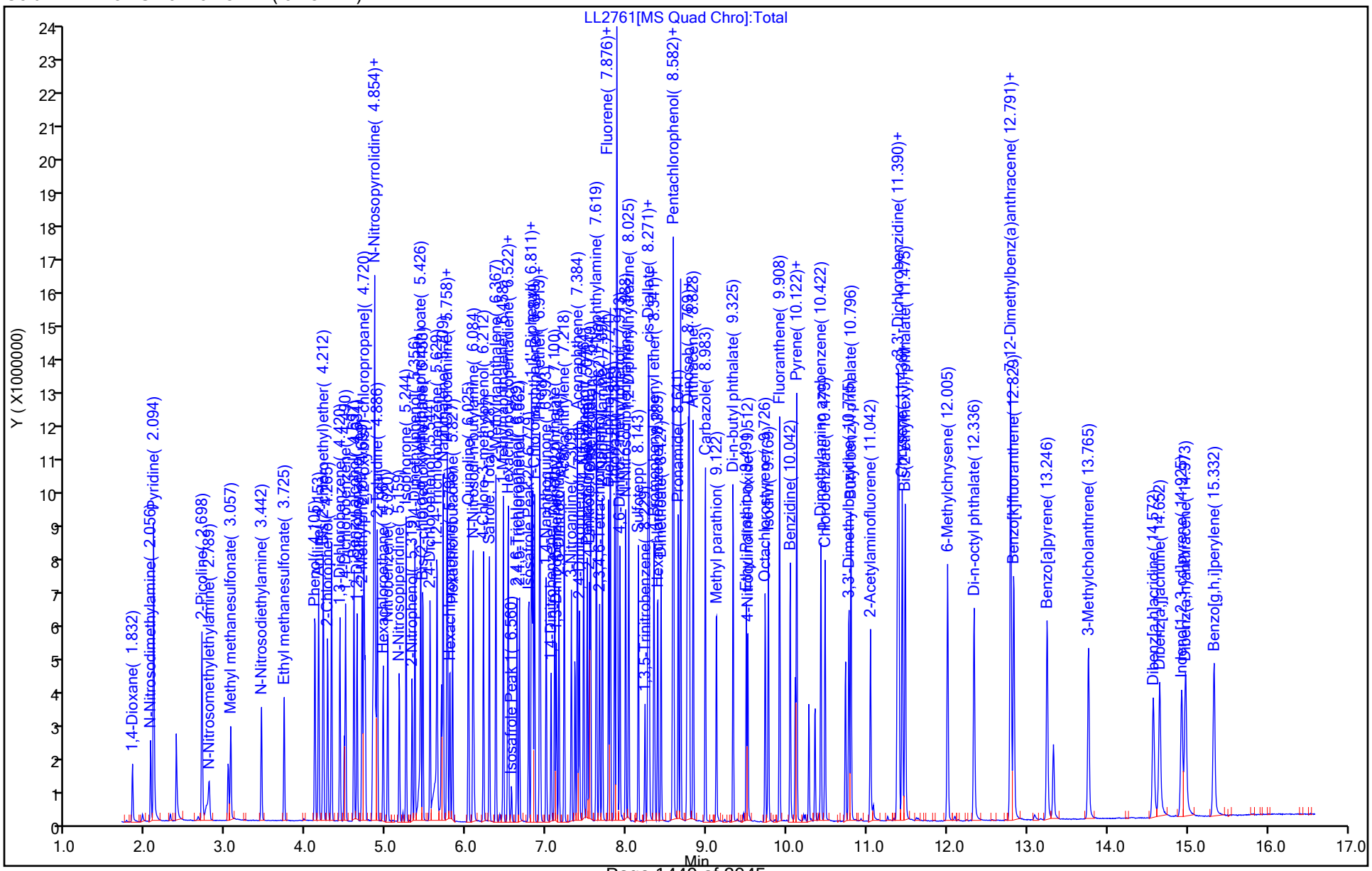
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-330490/12 Calibration Date: 12/27/2022 22:17

Instrument ID: HP20296 Calib Start Date: 10/26/2022 15:17

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 10/26/2022 17:19

Lab File ID: LL2761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Ave	0.2662				12.5		
Indene	Ave	3.020				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 27-Dec-2022 22:17:53 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0074050-012
Operator ID: mem41592 Instrument ID: HP20296
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:39:53 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 28-Dec-2022 15:51:08

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	0.000	98	567309	12.5	12.6	
2 N-Nitrosodimethylamine	74	2.056	2.056	0.000	94	981711	12.5	12.7	
3 Pyridine	79	2.094	2.094	0.000	97	3092837	25.0	25.1	
5 2-Picoline	93	2.698	2.698	0.000	93	1584734	12.5	12.7	
6 N-Nitrosomethylethylamine	88	2.789	2.784	0.005	94	701591	12.5	11.8	
9 Methyl methanesulfonate	80	3.057	3.057	0.000	85	863015	12.5	11.9	
11 N-Nitrosodiethylamine	102	3.442	3.442	0.000	97	657972	12.5	12.6	
13 Ethyl methanesulfonate	109	3.725	3.725	0.000	96	646026	12.5	11.7	
30 Indene	115		4.057				ND	ND	
17 Phenol	94	4.110	4.110	0.000	98	1782494	12.5	13.2	
18 Aniline	93	4.153	4.153	0.000	96	2221486	12.5	13.1	
19 Bis(2-chloroethyl)ether	93	4.217	4.217	0.000	94	1446056	12.5	12.8	
20 2-Chlorophenol	128	4.265	4.265	0.000	90	993944	12.5	13.1	
22 1,3-Dichlorobenzene	146	4.420	4.420	0.000	91	1037247	12.5	12.8	
* 24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	96	267671	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	87	1069628	12.5	12.8	
27 Benzyl alcohol	108	4.597	4.597	0.000	89	865092	12.5	12.8	
29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	89	1010221	12.5	12.8	
31 2-Methylphenol	108	4.699	4.699	0.000	97	1191576	12.5	13.4	
32 2,2'-oxybis[1-chloropropane]	45	4.736	4.731	0.005	94	1952432	12.5	12.6	
34 N-Nitrosopyrrolidine	100	4.832	4.832	0.000	93	785958	12.5	13.0	
36 4-Methylphenol	108	4.843	4.843	0.000	94	1291902	12.5	13.5	
50 Benzoic acid	105		4.844				ND	ND	
37 N-Nitrosodi-n-propylamine	70	4.854	4.854	0.000	72	1293026	12.5	13.4	
35 Acetophenone	105	4.854	4.854	0.000	88	1973106	12.5	13.1	
38 N-Nitrosomorpholine	56	4.870	4.870	0.000	91	1056875	12.5	12.9	
39 2-Toluidine	106	4.886	4.886	0.000	95	2193792	12.5	13.3	
40 Hexachloroethane	117	4.961	4.961	0.000	93	502754	12.5	13.2	
42 Nitrobenzene	77	5.020	5.019	0.001	86	1695245	12.5	12.6	
44 N-Nitrosopiperidine	114	5.164	5.159	0.005	85	627760	12.5	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
46 Isophorone	82	5.244	5.244	0.000	98	3232497	12.5	12.9	
47 2-Nitrophenol	139	5.319	5.319	0.000	90	485851	12.5	12.7	
48 2,4-Dimethylphenol	107	5.356	5.356	0.000	99	1302575	12.5	12.6	
49 o,o',o''-Triethylphosphorothioat	198	5.431	5.431	0.000	94	492618	12.5	11.9	
51 Bis(2-chloroethoxy)methane	93	5.453	5.453	0.000	97	1919388	12.5	13.3	
52 2,4-Dichlorophenol	162	5.544	5.544	0.000	95	841527	12.5	13.4	
54 1,2,4-Trichlorobenzene	180	5.635	5.629	0.006	92	907027	12.5	13.0	
* 55 Naphthalene-d8	136	5.688	5.688	0.000	99	1143069	5.00	5.00	
56 Naphthalene	128	5.709	5.709	0.000	98	3210928	12.5	13.1	
57 4-Chloroaniline	127	5.758	5.758	0.000	91	1382516	12.5	13.0	
58 2,6-Dichlorophenol	162	5.763	5.763	0.000	89	852035	12.5	13.4	
59 Hexachloropropene	213	5.795	5.795	0.000	91	584602	12.5	12.2	
60 Hexachlorobutadiene	225	5.827	5.827	0.000	96	508722	12.5	12.8	
62 Quinoline	129	6.025	6.020	0.005	92	2258265	12.5	13.3	
65 N-Nitrosodi-n-butylamine	84	6.079	6.079	0.001	94	1215213	12.5	11.2	
33 p-Phenylene diamine	108		6.089				ND	ND	U
66 4-Chloro-3-methylphenol	107	6.212	6.212	0.000	92	1241372	12.5	13.4	
67 Safrole, Total	162	6.287	6.287	0.000	81	777716	12.5	12.7	
69 2-Methylnaphthalene	142	6.367	6.367	0.000	91	2074414	12.5	14.1	
70 1-Methylnaphthalene	142	6.458	6.458	0.000	92	1913584	12.5	12.6	
71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	97	549275	12.5	10.6	
72 1,2,4,5-Tetrachlorobenzene	216	6.522	6.522	0.000	98	967410	12.5	13.4	
73 Isosafrole Peak 1	162	6.560	6.560	0.000	82	105636	1.50	1.51	
74 2,4,6-Trichlorophenol	196	6.629	6.629	0.000	95	603694	12.5	13.3	
75 2,4,5-Trichlorophenol	196	6.662	6.662	0.000	90	684505	12.5	13.4	
77 Isosafrole Peak 2	162	6.779	6.779	0.000	86	791229	11.0	9.94	
79 1,1'-Biphenyl	154	6.811	6.811	0.000	96	2636072	12.5	13.1	
80 2-Chloronaphthalene	162	6.827	6.827	0.000	98	1956438	12.5	12.6	
81 1-Chloronaphthalene	162	6.849	6.849	0.000	95	1907340	12.5	12.7	
82 Phenyl ether	170	6.913	6.913	0.000	91	1343388	12.5	13.0	
83 2-Nitroaniline	138	6.924	6.924	0.000	79	673708	12.5	13.5	
84 1,4-Naphthoquinone	158	6.993	6.993	0.000	73	815933	12.5	13.1	
85 1,4-Dinitrobenzene	168	7.057	7.057	0.000	85	309173	12.5	13.5	
86 Dimethyl phthalate	163	7.100	7.100	0.000	96	2354082	12.5	12.8	
87 1,3-Dinitrobenzene	168	7.122	7.121	0.001	81	355942	12.5	13.6	
88 2,6-Dinitrotoluene	165	7.154	7.154	0.000	82	525284	12.5	13.7	
90 Acenaphthylene	152	7.218	7.218	0.000	99	3339729	12.5	14.0	
91 3-Nitroaniline	138	7.309	7.309	0.000	87	598152	12.5	13.2	
* 92 Acenaphthene-d10	164	7.352	7.351	0.001	94	663383	5.00	5.00	
93 Acenaphthene	153	7.384	7.384	0.000	97	2122776	12.5	13.1	
94 2,4-Dinitrophenol	184	7.410	7.410	0.000	72	523518	25.0	25.9	
96 4-Nitrophenol	109	7.464	7.464	0.000	88	813051	25.0	26.9	
98 Pentachlorobenzene	250	7.507	7.507	0.000	97	878641	12.5	12.6	
99 2,4-Dinitrotoluene	165	7.533	7.533	0.000	84	712215	12.5	13.2	
100 Dibenzofuran	168	7.549	7.549	0.000	97	2913421	12.5	12.7	
101 1-Naphthylamine	143	7.619	7.619	0.000	97	2154686	12.5	13.0	
102 2,3,4,6-Tetrachlorophenol	232	7.662	7.662	0.000	78	568703	12.5	13.4	
103 2-Naphthylamine	143	7.694	7.694	0.000	94	2369643	12.5	13.2	
104 Diethyl phthalate	149	7.774	7.774	0.000	96	2465990	12.5	13.2	
106 Thionazin	107	7.849	7.849	0.000	76	509142	12.5	12.6	
105 Fluorene	166	7.870	7.870	0.000	93	2385513	12.5	13.0	
108 4-Chlorophenyl phenyl ether	204	7.876	7.876	0.000	85	1136000	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
107 N-Nitro-o-toluidine	152	7.881	7.881	0.000	81	712282	12.5	13.6	
109 4-Nitroaniline	138	7.886	7.886	0.000	79	649135	12.5	13.6	
110 4,6-Dinitro-2-methylphenol	198	7.918	7.913	0.005	71	714512	25.0	27.6	
111 N-Nitrosodiphenylamine	169	7.988	7.988	0.000	98	1694602	10.6	11.4	
112 1,2-Diphenylhydrazine	77	8.025	8.025	0.000	100	3966434	12.5	13.7	
114 Sulfotepp	97	8.143	8.143	0.000	81	576020	12.5	12.8	
175 1,3,5-Trinitrobenzene	213	8.229	8.229	0.000	81	205268	12.5	12.4	
115 cis-Diallate	86	8.261	8.261	0.000	75	1169619	9.38	9.10	
116 Phorate	75	8.271	8.271	0.000	95	2438931	12.5	13.0	
117 Phenacetin	108	8.282	8.277	0.005	89	1541691	12.5	13.3	
118 4-Bromophenyl phenyl ether	248	8.341	8.341	0.000	76	641757	12.5	13.0	
119 trans-Diallate	86	8.346	8.346	0.000	98	420405	3.13	3.37	
120 Hexachlorobenzene	284	8.389	8.389	0.000	96	749912	12.5	12.5	
121 Dimethoate	87	8.427	8.427	0.000	97	1430218	12.5	12.9	
123 Pentachlorophenol	266	8.576	8.576	0.000	92	860465	25.0	27.7	
124 4-Aminobiphenyl	169	8.582	8.582	0.000	92	2759384	12.5	12.9	
125 Pentachloronitrobenzene	237	8.587	8.587	0.000	84	308709	12.5	12.4	
126 Pronamide	173	8.641	8.641	0.001	92	1134333	12.5	13.6	
128 Dinoseb	211	8.753	8.753	0.000	92	487611	12.5	12.2	
* 127 Phenanthrene-d10	188	8.758	8.758	0.000	96	1251900	5.00	5.00	
68 Disulfoton	88	8.769	8.769	0.000	95	2297924	12.5	11.4	
129 Phenanthrene	178	8.780	8.780	0.000	97	3424794	12.5	12.6	
130 Anthracene	178	8.828	8.828	0.000	98	3555545	12.5	13.2	
131 Carbazole	167	8.983	8.983	0.000	96	3225094	12.5	13.1	
132 Methyl parathion	109	9.122	9.117	0.005	90	977340	12.5	13.2	
133 Di-n-butyl phthalate	149	9.325	9.325	0.000	100	4026810	12.5	13.7	
134 Ethyl Parathion	109	9.491	9.491	0.000	82	585225	12.5	12.9	
135 4-Nitroquinoline-1-oxide	190	9.512	9.512	0.000	78	285376	12.5	11.6	
167 Aramite Peak 1	185		9.642				ND	ND	
S 63 Diallate	86				0		12.5	12.5	
171 Aramite Peak 2	185		9.658				ND	ND	
176 Aramite Peak 3	185		9.700				ND	ND	
136 Octachlorostyrene	308	9.726	9.726	0.000	94	311942	12.5	13.3	
137 Isodrin	193	9.769	9.769	0.000	86	401305	12.5	11.8	
173 Aramite Peak 4	185		9.775				ND	ND	
138 Fluoranthene	202	9.908	9.908	0.000	99	3662790	12.5	13.2	
139 Benzidine	184	10.042	10.042	0.000	99	2237707	12.5	12.5	
95 Famphur	218	10.160	10.069	0.091	1	249	NC	NC	
* 140 Pyrene-d10 (IS)	212	10.106	10.101	0.005	99	1215983	5.00	5.00	
141 Pyrene	202	10.122	10.122	0.000	96	3815193	12.5	12.6	
143 p-Dimethylamino azobenzene	225	10.427	10.422	0.005	94	690184	12.5	14.2	
144 Chlorobenzilate	139	10.475	10.475	0.000	86	1211660	12.5	13.0	
145 3,3'-Dimethylbenzidine	212	10.775	10.769	0.006	99	1958658	12.5	12.7	
146 Butyl benzyl phthalate	149	10.796	10.796	0.000	93	1773936	12.5	13.3	
147 2-Acetylaminofluorene	181	11.042	11.042	0.000	96	1238077	12.5	12.3	
148 3,3'-Dichlorobenzidine	252	11.379	11.379	0.000	79	1282751	12.5	13.0	
150 4,4'-Methylene bis(2-chloroani	231	11.390	11.384	0.006	94	679798	12.5	13.5	
149 Benzo[a]anthracene	228	11.395	11.395	0.000	99	3354631	12.5	13.5	
151 Chrysene	228	11.438	11.438	0.000	97	3311288	12.5	13.3	
152 Bis(2-ethylhexyl) phthalate	149	11.475	11.475	0.000	96	2362713	12.5	12.9	
S 89 Aramite, Total	185		11.583				12.5	ND	7
153 6-Methylchrysene	242	12.005	12.005	0.000	100	2244438	12.5	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
154 Di-n-octyl phthalate	149	12.336	12.336	0.000	99	3639968	12.5	13.2	
156 7,12-Dimethylbenz(a)anthracene	256	12.791	12.791	0.000	73	1420763	12.5	12.5	
155 Benzo[b]fluoranthene	252	12.791	12.791	0.000	97	3266015	12.5	13.5	
157 Benzo[k]fluoranthene	252	12.829	12.834	-0.006	99	3406648	12.5	13.4	
158 Benzo[a]pyrene	252	13.246	13.246	0.000	80	2885982	12.5	14.2	
* 159 Perylene-d12	264	13.326	13.320	0.006	96	997361	5.00	5.00	
160 3-Methylcholanthrene	268	13.765	13.765	0.001	93	1551577	12.5	13.1	
161 Dibenz[a,h]acridine	279	14.572	14.572	0.000	91	2342534	12.5	14.4	
162 Dibenz[a,j]acridine	279	14.652	14.652	0.000	96	2813934	12.5	14.2	
163 Indeno[1,2,3-cd]pyrene	276	14.925	14.925	0.000	99	2520390	12.5	14.0	
164 Dibenz(a,h)anthracene	278	14.973	14.979	-0.006	94	2868997	12.5	13.9	
165 Benzo[g,h,i]perylene	276	15.332	15.332	0.000	97	2948233	12.5	13.5	
S 166 Isosafrole	162				0		12.5	11.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00018 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2022 14:40:07 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2761.D

Injection Date: 27-Dec-2022 22:17:53 Instrument ID: HP20296 Operator ID: mem41592

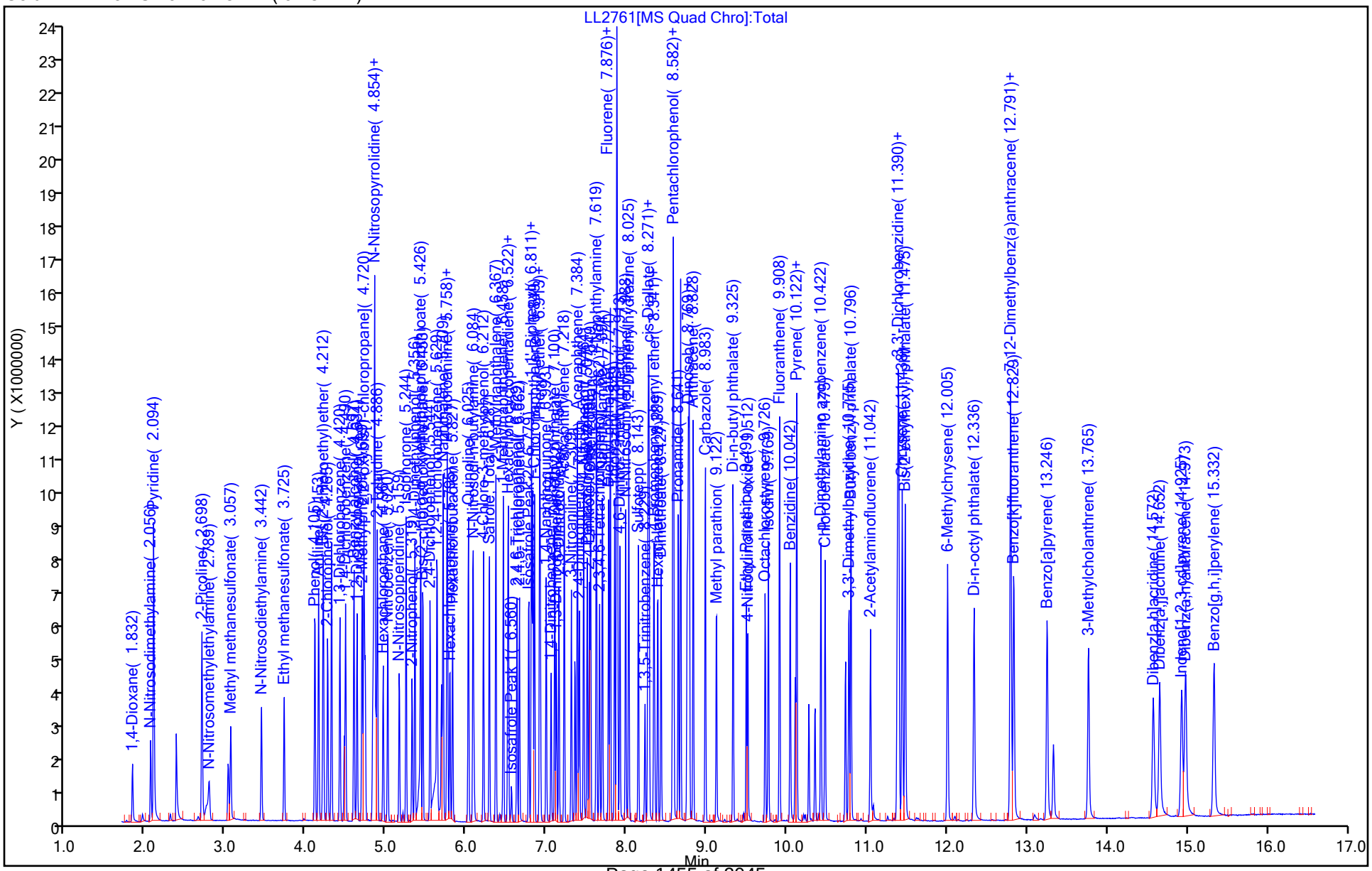
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-330490/12 Calibration Date: 12/27/2022 22:17

Instrument ID: HP20296 Calib Start Date: 12/05/2022 21:29

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 12/05/2022 21:29

Lab File ID: LL2761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0506				1.25		
Aramite Peak 2	Ave	0.0452				1.25		
Aramite Peak 3	Ave	0.1424				5.00		
Aramite Peak 4	Ave	0.1624				5.00		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 27-Dec-2022 22:17:53 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0074050-012
Operator ID: mem41592 Instrument ID: HP20296
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:39:53 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 28-Dec-2022 15:51:08

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	0.000	98	567309	12.5	12.6	
2 N-Nitrosodimethylamine	74	2.056	2.056	0.000	94	981711	12.5	12.7	
3 Pyridine	79	2.094	2.094	0.000	97	3092837	25.0	25.1	
5 2-Picoline	93	2.698	2.698	0.000	93	1584734	12.5	12.7	
6 N-Nitrosomethylethylamine	88	2.789	2.784	0.005	94	701591	12.5	11.8	
9 Methyl methanesulfonate	80	3.057	3.057	0.000	85	863015	12.5	11.9	
11 N-Nitrosodiethylamine	102	3.442	3.442	0.000	97	657972	12.5	12.6	
13 Ethyl methanesulfonate	109	3.725	3.725	0.000	96	646026	12.5	11.7	
30 Indene	115		4.057				ND	ND	
17 Phenol	94	4.110	4.110	0.000	98	1782494	12.5	13.2	
18 Aniline	93	4.153	4.153	0.000	96	2221486	12.5	13.1	
19 Bis(2-chloroethyl)ether	93	4.217	4.217	0.000	94	1446056	12.5	12.8	
20 2-Chlorophenol	128	4.265	4.265	0.000	90	993944	12.5	13.1	
22 1,3-Dichlorobenzene	146	4.420	4.420	0.000	91	1037247	12.5	12.8	
* 24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	96	267671	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	87	1069628	12.5	12.8	
27 Benzyl alcohol	108	4.597	4.597	0.000	89	865092	12.5	12.8	
29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	89	1010221	12.5	12.8	
31 2-Methylphenol	108	4.699	4.699	0.000	97	1191576	12.5	13.4	
32 2,2'-oxybis[1-chloropropane]	45	4.736	4.731	0.005	94	1952432	12.5	12.6	
34 N-Nitrosopyrrolidine	100	4.832	4.832	0.000	93	785958	12.5	13.0	
36 4-Methylphenol	108	4.843	4.843	0.000	94	1291902	12.5	13.5	
50 Benzoic acid	105		4.844				ND	ND	
37 N-Nitrosodi-n-propylamine	70	4.854	4.854	0.000	72	1293026	12.5	13.4	
35 Acetophenone	105	4.854	4.854	0.000	88	1973106	12.5	13.1	
38 N-Nitrosomorpholine	56	4.870	4.870	0.000	91	1056875	12.5	12.9	
39 2-Toluidine	106	4.886	4.886	0.000	95	2193792	12.5	13.3	
40 Hexachloroethane	117	4.961	4.961	0.000	93	502754	12.5	13.2	
42 Nitrobenzene	77	5.020	5.019	0.001	86	1695245	12.5	12.6	
44 N-Nitrosopiperidine	114	5.164	5.159	0.005	85	627760	12.5	12.8	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	46 Isophorone	82	5.244	5.244	0.000	98	3232497	12.5	12.9	
	47 2-Nitrophenol	139	5.319	5.319	0.000	90	485851	12.5	12.7	
	48 2,4-Dimethylphenol	107	5.356	5.356	0.000	99	1302575	12.5	12.6	
	49 o,o',o''-Triethylphosphorothioat	198	5.431	5.431	0.000	94	492618	12.5	11.9	
	51 Bis(2-chloroethoxy)methane	93	5.453	5.453	0.000	97	1919388	12.5	13.3	
	52 2,4-Dichlorophenol	162	5.544	5.544	0.000	95	841527	12.5	13.4	
	54 1,2,4-Trichlorobenzene	180	5.635	5.629	0.006	92	907027	12.5	13.0	
*	55 Naphthalene-d8	136	5.688	5.688	0.000	99	1143069	5.00	5.00	
	56 Naphthalene	128	5.709	5.709	0.000	98	3210928	12.5	13.1	
	57 4-Chloroaniline	127	5.758	5.758	0.000	91	1382516	12.5	13.0	
	58 2,6-Dichlorophenol	162	5.763	5.763	0.000	89	852035	12.5	13.4	
	59 Hexachloropropene	213	5.795	5.795	0.000	91	584602	12.5	12.2	
	60 Hexachlorobutadiene	225	5.827	5.827	0.000	96	508722	12.5	12.8	
	62 Quinoline	129	6.025	6.020	0.005	92	2258265	12.5	13.3	
	65 N-Nitrosodi-n-butylamine	84	6.079	6.079	0.001	94	1215213	12.5	11.2	
	33 p-Phenylene diamine	108		6.089				ND	ND	U
	66 4-Chloro-3-methylphenol	107	6.212	6.212	0.000	92	1241372	12.5	13.4	
	67 Safrole, Total	162	6.287	6.287	0.000	81	777716	12.5	12.7	
	69 2-Methylnaphthalene	142	6.367	6.367	0.000	91	2074414	12.5	14.1	
	70 1-Methylnaphthalene	142	6.458	6.458	0.000	92	1913584	12.5	12.6	
	71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	97	549275	12.5	10.6	
	72 1,2,4,5-Tetrachlorobenzene	216	6.522	6.522	0.000	98	967410	12.5	13.4	
	73 Isosafrole Peak 1	162	6.560	6.560	0.000	82	105636	1.50	1.51	
	74 2,4,6-Trichlorophenol	196	6.629	6.629	0.000	95	603694	12.5	13.3	
	75 2,4,5-Trichlorophenol	196	6.662	6.662	0.000	90	684505	12.5	13.4	
	77 Isosafrole Peak 2	162	6.779	6.779	0.000	86	791229	11.0	9.94	
	79 1,1'-Biphenyl	154	6.811	6.811	0.000	96	2636072	12.5	13.1	
	80 2-Chloronaphthalene	162	6.827	6.827	0.000	98	1956438	12.5	12.6	
	81 1-Chloronaphthalene	162	6.849	6.849	0.000	95	1907340	12.5	12.7	
	82 Phenyl ether	170	6.913	6.913	0.000	91	1343388	12.5	13.0	
	83 2-Nitroaniline	138	6.924	6.924	0.000	79	673708	12.5	13.5	
	84 1,4-Naphthoquinone	158	6.993	6.993	0.000	73	815933	12.5	13.1	
	85 1,4-Dinitrobenzene	168	7.057	7.057	0.000	85	309173	12.5	13.5	
	86 Dimethyl phthalate	163	7.100	7.100	0.000	96	2354082	12.5	12.8	
	87 1,3-Dinitrobenzene	168	7.122	7.121	0.001	81	355942	12.5	13.6	
	88 2,6-Dinitrotoluene	165	7.154	7.154	0.000	82	525284	12.5	13.7	
	90 Acenaphthylene	152	7.218	7.218	0.000	99	3339729	12.5	14.0	
	91 3-Nitroaniline	138	7.309	7.309	0.000	87	598152	12.5	13.2	
*	92 Acenaphthene-d10	164	7.352	7.351	0.001	94	663383	5.00	5.00	
	93 Acenaphthene	153	7.384	7.384	0.000	97	2122776	12.5	13.1	
	94 2,4-Dinitrophenol	184	7.410	7.410	0.000	72	523518	25.0	25.9	
	96 4-Nitrophenol	109	7.464	7.464	0.000	88	813051	25.0	26.9	
	98 Pentachlorobenzene	250	7.507	7.507	0.000	97	878641	12.5	12.6	
	99 2,4-Dinitrotoluene	165	7.533	7.533	0.000	84	712215	12.5	13.2	
	100 Dibenzofuran	168	7.549	7.549	0.000	97	2913421	12.5	12.7	
	101 1-Naphthylamine	143	7.619	7.619	0.000	97	2154686	12.5	13.0	
	102 2,3,4,6-Tetrachlorophenol	232	7.662	7.662	0.000	78	568703	12.5	13.4	
	103 2-Naphthylamine	143	7.694	7.694	0.000	94	2369643	12.5	13.2	
	104 Diethyl phthalate	149	7.774	7.774	0.000	96	2465990	12.5	13.2	
	106 Thionazin	107	7.849	7.849	0.000	76	509142	12.5	12.6	
	105 Fluorene	166	7.870	7.870	0.000	93	2385513	12.5	13.0	
	108 4-Chlorophenyl phenyl ether	204	7.876	7.876	0.000	85	1136000	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
107 N-Nitro-o-toluidine	152	7.881	7.881	0.000	81	712282	12.5	13.6	
109 4-Nitroaniline	138	7.886	7.886	0.000	79	649135	12.5	13.6	
110 4,6-Dinitro-2-methylphenol	198	7.918	7.913	0.005	71	714512	25.0	27.6	
111 N-Nitrosodiphenylamine	169	7.988	7.988	0.000	98	1694602	10.6	11.4	
112 1,2-Diphenylhydrazine	77	8.025	8.025	0.000	100	3966434	12.5	13.7	
114 Sulfotepp	97	8.143	8.143	0.000	81	576020	12.5	12.8	
175 1,3,5-Trinitrobenzene	213	8.229	8.229	0.000	81	205268	12.5	12.4	
115 cis-Diallate	86	8.261	8.261	0.000	75	1169619	9.38	9.10	
116 Phorate	75	8.271	8.271	0.000	95	2438931	12.5	13.0	
117 Phenacetin	108	8.282	8.277	0.005	89	1541691	12.5	13.3	
118 4-Bromophenyl phenyl ether	248	8.341	8.341	0.000	76	641757	12.5	13.0	
119 trans-Diallate	86	8.346	8.346	0.000	98	420405	3.13	3.37	
120 Hexachlorobenzene	284	8.389	8.389	0.000	96	749912	12.5	12.5	
121 Dimethoate	87	8.427	8.427	0.000	97	1430218	12.5	12.9	
123 Pentachlorophenol	266	8.576	8.576	0.000	92	860465	25.0	27.7	
124 4-Aminobiphenyl	169	8.582	8.582	0.000	92	2759384	12.5	12.9	
125 Pentachloronitrobenzene	237	8.587	8.587	0.000	84	308709	12.5	12.4	
126 Pronamide	173	8.641	8.641	0.001	92	1134333	12.5	13.6	
128 Dinoseb	211	8.753	8.753	0.000	92	487611	12.5	12.2	
* 127 Phenanthrene-d10	188	8.758	8.758	0.000	96	1251900	5.00	5.00	
68 Disulfoton	88	8.769	8.769	0.000	95	2297924	12.5	11.4	
129 Phenanthrene	178	8.780	8.780	0.000	97	3424794	12.5	12.6	
130 Anthracene	178	8.828	8.828	0.000	98	3555545	12.5	13.2	
131 Carbazole	167	8.983	8.983	0.000	96	3225094	12.5	13.1	
132 Methyl parathion	109	9.122	9.117	0.005	90	977340	12.5	13.2	
133 Di-n-butyl phthalate	149	9.325	9.325	0.000	100	4026810	12.5	13.7	
134 Ethyl Parathion	109	9.491	9.491	0.000	82	585225	12.5	12.9	
135 4-Nitroquinoline-1-oxide	190	9.512	9.512	0.000	78	285376	12.5	11.6	
167 Aramite Peak 1	185		9.642				ND	ND	
S 63 Diallate	86				0		12.5	12.5	
171 Aramite Peak 2	185		9.658				ND	ND	
176 Aramite Peak 3	185		9.700				ND	ND	
136 Octachlorostyrene	308	9.726	9.726	0.000	94	311942	12.5	13.3	
137 Isodrin	193	9.769	9.769	0.000	86	401305	12.5	11.8	
173 Aramite Peak 4	185		9.775				ND	ND	
138 Fluoranthene	202	9.908	9.908	0.000	99	3662790	12.5	13.2	
139 Benzidine	184	10.042	10.042	0.000	99	2237707	12.5	12.5	
95 Famphur	218	10.160	10.069	0.091	1	249	NC	NC	
* 140 Pyrene-d10 (IS)	212	10.106	10.101	0.005	99	1215983	5.00	5.00	
141 Pyrene	202	10.122	10.122	0.000	96	3815193	12.5	12.6	
143 p-Dimethylamino azobenzene	225	10.427	10.422	0.005	94	690184	12.5	14.2	
144 Chlorobenzilate	139	10.475	10.475	0.000	86	1211660	12.5	13.0	
145 3,3'-Dimethylbenzidine	212	10.775	10.769	0.006	99	1958658	12.5	12.7	
146 Butyl benzyl phthalate	149	10.796	10.796	0.000	93	1773936	12.5	13.3	
147 2-Acetylaminofluorene	181	11.042	11.042	0.000	96	1238077	12.5	12.3	
148 3,3'-Dichlorobenzidine	252	11.379	11.379	0.000	79	1282751	12.5	13.0	
150 4,4'-Methylene bis(2-chloroanil	231	11.390	11.384	0.006	94	679798	12.5	13.5	
149 Benzo[a]anthracene	228	11.395	11.395	0.000	99	3354631	12.5	13.5	
151 Chrysene	228	11.438	11.438	0.000	97	3311288	12.5	13.3	
152 Bis(2-ethylhexyl) phthalate	149	11.475	11.475	0.000	96	2362713	12.5	12.9	
S 89 Aramite, Total	185		11.583				12.5	ND	7
153 6-Methylchrysene	242	12.005	12.005	0.000	100	2244438	12.5	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
154 Di-n-octyl phthalate	149	12.336	12.336	0.000	99	3639968	12.5	13.2	
156 7,12-Dimethylbenz(a)anthracene	256	12.791	12.791	0.000	73	1420763	12.5	12.5	
155 Benzo[b]fluoranthene	252	12.791	12.791	0.000	97	3266015	12.5	13.5	
157 Benzo[k]fluoranthene	252	12.829	12.834	-0.006	99	3406648	12.5	13.4	
158 Benzo[a]pyrene	252	13.246	13.246	0.000	80	2885982	12.5	14.2	
* 159 Perylene-d12	264	13.326	13.320	0.006	96	997361	5.00	5.00	
160 3-Methylcholanthrene	268	13.765	13.765	0.001	93	1551577	12.5	13.1	
161 Dibenz[a,h]acridine	279	14.572	14.572	0.000	91	2342534	12.5	14.4	
162 Dibenz[a,j]acridine	279	14.652	14.652	0.000	96	2813934	12.5	14.2	
163 Indeno[1,2,3-cd]pyrene	276	14.925	14.925	0.000	99	2520390	12.5	14.0	
164 Dibenz(a,h)anthracene	278	14.973	14.979	-0.006	94	2868997	12.5	13.9	
165 Benzo[g,h,i]perylene	276	15.332	15.332	0.000	97	2948233	12.5	13.5	
S 166 Isosafrole	162				0		12.5	11.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00018 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2022 14:40:07 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2761.D

Injection Date: 27-Dec-2022 22:17:53 Instrument ID: HP20296 Operator ID: mem41592

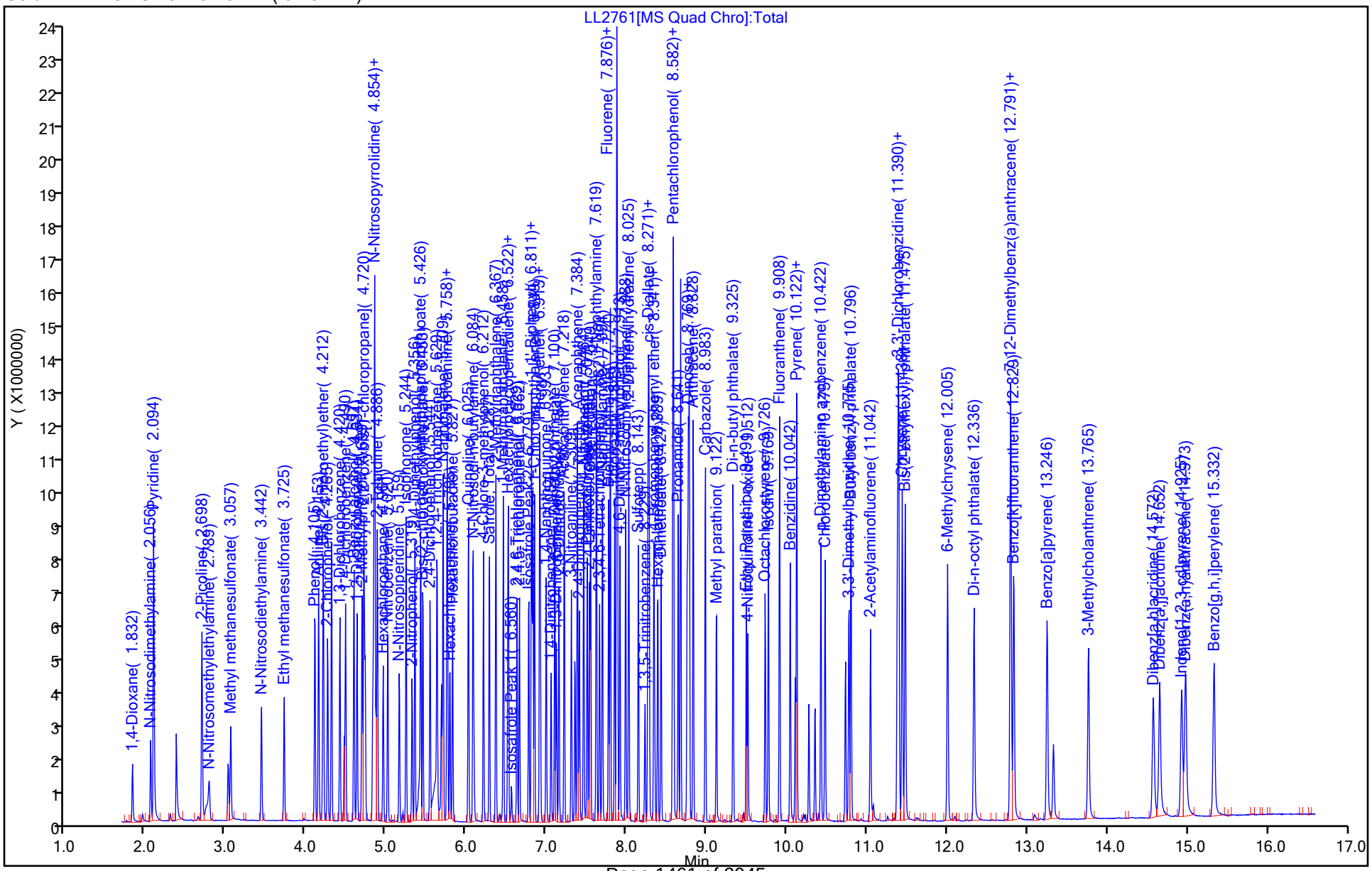
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-330490/12 Calibration Date: 12/27/2022 22:17

Instrument ID: HP20296 Calib Start Date: 12/27/2022 18:32

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 12/27/2022 21:14

Lab File ID: LL2761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8419	0.8478		13.0	12.5	0.7	30.0
N-Nitrosodimethylamine	Ave	1.448	1.467		13.0	12.5	1.3	30.0
Pyridine	Ave	2.302	2.311		25.0	25.0	0.4	30.0
2-Picoline	Ave	2.327	2.368		13.0	12.5	1.8	30.0
N-Nitrosomethylethylamine	Ave	1.109	1.048		12.0	12.5	-5.4	30.0
Methyl methanesulfonate	Ave	1.359	1.290		12.0	12.5	-5.1	30.0
N-Nitrosodiethylamine	Ave	0.9767	0.9833		13.0	12.5	0.7	30.0
Ethyl methanesulfonate	Ave	1.029	0.9654		12.0	12.5	-6.2	30.0
Phenol	Ave	2.528	2.664	0.8000	13.0	12.5	5.4	30.0
Aniline	Ave	3.172	3.320		13.0	12.5	4.7	30.0
Bis(2-chloroethyl)ether	Ave	2.109	2.161	0.7000	13.0	12.5	2.5	30.0
2-Chlorophenol	Ave	1.416	1.485	0.8000	13.0	12.5	4.9	30.0
1,3-Dichlorobenzene	Ave	1.512	1.550		13.0	12.5	2.5	30.0
1,4-Dichlorobenzene	Ave	1.566	1.598		13.0	12.5	2.1	30.0
Benzyl alcohol	Ave	1.262	1.293		13.0	12.5	2.4	30.0
1,2-Dichlorobenzene	Ave	1.479	1.510		13.0	12.5	2.0	30.0
2-Methylphenol	Ave	1.661	1.781	0.7000	13.0	12.5	7.2	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.885	2.918	0.0100	13.0	12.5	1.1	30.0
N-Nitrosopyrrolidine	Ave	1.125	1.175		13.0	12.5	4.4	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.786	1.931	0.6000	14.0	12.5	8.1	30.0
Acetophenone	Ave	2.814	2.949	0.0100	13.0	12.5	4.8	30.0
N-Nitrosodi-n-propylamine	Ave	1.805	1.932	0.5000	13.0	12.5	7.0	30.0
N-Nitrosomorpholine	Ave	1.525	1.579		13.0	12.5	3.6	30.0
o-Toluidine	Ave	3.077	3.278		13.0	12.5	6.5	30.0
Hexachloroethane	Ave	0.7124	0.7513	0.3000	13.0	12.5	5.5	30.0
Nitrobenzene	Ave	0.5869	0.5932	0.2000	13.0	12.5	1.1	30.0
N-Nitrosopiperidine	Ave	0.2149	0.2197		13.0	12.5	2.2	30.0
Isophorone	Ave	1.094	1.131	0.4000	13.0	12.5	3.4	30.0
2-Nitrophenol	Ave	0.1671	0.1700	0.1000	13.0	12.5	1.7	30.0
2,4-Dimethylphenol	Ave	0.4522	0.4558	0.2000	13.0	12.5	0.8	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1818	0.1724		12.0	12.5	-5.2	30.0
Bis(2-chloroethoxy)methane	Ave	0.6318	0.6717	0.3000	13.0	12.5	6.3	30.0
2,4-Dichlorophenol	Ave	0.2757	0.2945	0.2000	13.0	12.5	6.8	30.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.3174		13.0	12.5	3.6	30.0
Naphthalene	Ave	1.073	1.124	0.7000	13.0	12.5	4.7	30.0
4-Chloroaniline	Ave	0.4645	0.4838	0.0100	13.0	12.5	4.2	30.0
2,6-Dichlorophenol	Ave	0.2784	0.2982		13.0	12.5	7.1	30.0
Hexachloropropene	Ave	0.2092	0.2046		12.0	12.5	-2.2	30.0
Hexachlorobutadiene	Ave	0.1744	0.1780	0.0100	13.0	12.5	2.1	30.0
Quinoline	Ave	0.7418	0.7902		13.0	12.5	6.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-330490/12 Calibration Date: 12/27/2022 22:17

Instrument ID: HP20296 Calib Start Date: 12/27/2022 18:32

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 12/27/2022 21:14

Lab File ID: LL2761.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	0.4748	0.4252		11.0	12.5	-10.4	30.0
4-Chloro-3-methylphenol	Ave	0.4041	0.4344	0.2000	13.0	12.5	7.5	30.0
Safrole, Total	Ave	0.2669	0.2722		13.0	12.5	2.0	30.0
2-Methylnaphthalene	Ave	0.6413	0.7259	0.4000	14.0	12.5	13.2	30.0
1-Methylnaphthalene	Ave	0.6632	0.6696		13.0	12.5	1.0	30.0
Hexachlorocyclopentadiene	Ave	0.3908	0.3312	0.0500	11.0	12.5	-15.2	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5438	0.5833	0.0100	13.0	12.5	7.3	30.0
Isosafrole Peak 1	Ave	0.5262	0.5308		1.50	1.50	0.9	30.0
2,4,6-Trichlorophenol	Ave	0.3432	0.3640	0.2000	13.0	12.5	6.1	30.0
2,4,5-Trichlorophenol	Ave	0.3851	0.4127	0.2000	13.0	12.5	7.2	30.0
Isosafrole Peak 2	Ave	0.5999	0.5421		9.90	11.0	-9.6	30.0
1,1'-Biphenyl	Ave	1.517	1.589	0.0100	13.0	12.5	4.8	30.0
2-Chloronaphthalene	Ave	1.172	1.180	0.8000	13.0	12.5	0.7	30.0
1-Chloronaphthalene	Ave	1.132	1.150		13.0	12.5	1.6	30.0
Diphenyl ether	Ave	0.7807	0.8100		13.0	12.5	3.8	30.0
2-Nitroaniline	Ave	0.3772	0.4062	0.0100	13.0	12.5	7.7	30.0
1,4-Naphthoquinone	Ave	0.4691	0.4920		13.0	12.5	4.9	30.0
1,4-Dinitrobenzene	Ave	0.1729	0.1864		13.0	12.5	7.8	30.0
Dimethyl phthalate	Ave	1.388	1.419	0.0100	13.0	12.5	2.3	30.0
1,3-Dinitrobenzene	Ave	0.1979	0.2146		14.0	12.5	8.5	30.0
2,6-Dinitrotoluene	Ave	0.2894	0.3167	0.2000	14.0	12.5	9.5	30.0
Acenaphthylene	Ave	1.797	2.014	0.9000	14.0	12.5	12.1	30.0
3-Nitroaniline	Ave	0.3414	0.3607	0.0100	13.0	12.5	5.7	30.0
Acenaphthene	Ave	1.226	1.280	0.9000	13.0	12.5	4.4	30.0
2,4-Dinitrophenol	Ave	0.1521	0.1578	0.0100	26.0	25.0	3.8	30.0
4-Nitrophenol	Ave	0.2275	0.2451	0.0100	27.0	25.0	7.7	30.0
Pentachlorobenzene	Ave	0.5243	0.5298		13.0	12.5	1.0	30.0
2,4-Dinitrotoluene	Ave	0.4082	0.4294	0.2000	13.0	12.5	5.2	30.0
Dibenzofuran	Ave	1.724	1.757	0.8000	13.0	12.5	1.9	30.0
1-Naphthylamine	Ave	1.247	1.299		13.0	12.5	4.2	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3188	0.3429	0.0100	13.0	12.5	7.6	30.0
2-Naphthylamine	Ave	1.350	1.429		13.0	12.5	5.8	30.0
Diethyl phthalate	Ave	1.405	1.487	0.0100	13.0	12.5	5.8	30.0
Thionazin	Ave	0.3050	0.3070		13.0	12.5	0.7	30.0
Fluorene	Ave	1.388	1.438	0.9000	13.0	12.5	3.7	30.0
4-Chlorophenyl-phenyl ether	Ave	0.6468	0.6850	0.4000	13.0	12.5	5.9	30.0
5-Nitro-o-toluidine	Ave	0.3954	0.4295		14.0	12.5	8.6	30.0
4-Nitroaniline	Ave	0.3605	0.3914	0.0100	14.0	12.5	8.6	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1035	0.1141	0.0100	28.0	25.0	10.3	30.0
N-Nitrosodiphenylamine	Ave	0.5928	0.6370	0.0100	11.0	10.6	7.5	30.0
1,2-Diphenylhydrazine	Ave	1.158	1.267		14.0	12.5	9.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-330490/12 Calibration Date: 12/27/2022 22:17

Instrument ID: HP20296 Calib Start Date: 12/27/2022 18:32

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 12/27/2022 21:14

Lab File ID: LL2761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Sulfotepp	Ave	0.1797	0.1840		13.0	12.5	2.4	30.0
1,3,5-Trinitrobenzene	Ave	0.0659	0.0656			12.5	-0.4	30.0
cis-Diallate	Ave	0.5132	0.4983		9.10	9.38	-2.9	30.0
Phorate	Ave	0.7491	0.7793		13.0	12.5	4.0	30.0
Phenacetin	Ave	0.4639	0.4926		13.0	12.5	6.2	30.0
4-Bromophenyl-phenylether	Ave	0.1974	0.2051	0.1000	13.0	12.5	3.9	30.0
trans-Diallate	Ave	0.4987	0.5373		3.40	3.13	7.7	30.0
Hexachlorobenzene	Ave	0.2394	0.2396	0.1000	13.0	12.5	0.0	30.0
Dimethoate	Ave	0.4416	0.4570		13.0	12.5	3.5	30.0
Pentachlorophenol	Ave	0.1242	0.1375	0.0500	28.0	25.0	10.7	30.0
4-Aminobiphenyl	Ave	0.8555	0.8817		13.0	12.5	3.1	30.0
Pentachloronitrobenzene	Ave	0.0993	0.0986		12.0	12.5	-0.7	30.0
Pronamide	Ave	0.3340	0.3624		14.0	12.5	8.5	30.0
Dinoseb	Qua1		0.1558		12.0	12.5	-2.0	30.0
Disulfoton	Ave	0.8081	0.7342		11.0	12.5	-9.1	30.0
Phenanthrene	Ave	1.082	1.094	0.7000	13.0	12.5	1.1	30.0
Anthracene	Ave	1.079	1.136	0.7000	13.0	12.5	5.3	30.0
Carbazole	Ave	0.9862	1.030	0.0100	13.0	12.5	4.5	30.0
Methyl parathion	Ave	0.2951	0.3123		13.0	12.5	5.8	30.0
Di-n-butyl phthalate	Ave	1.177	1.287	0.0100	14.0	12.5	9.3	30.0
Parathion	Ave	0.1814	0.1870		13.0	12.5	3.1	30.0
4-Nitroquinoline-1-oxide	Ave	0.0982	0.0912		12.0	12.5	-7.2	30.0
Octachlorostyrene	Ave	0.0937	0.0997		13.0	12.5	6.4	30.0
Isodrin	Ave	0.1360	0.1282		12.0	12.5	-5.8	30.0
Fluoranthene	Ave	1.107	1.170	0.6000	13.0	12.5	5.7	30.0
Benzidine	Ave	0.7389	0.7361		12.0	12.5	-0.4	30.0
Pyrene	Ave	1.241	1.255	0.6000	13.0	12.5	1.1	30.0
p-Dimethylamino azobenzene	Ave	0.1994	0.2270		14.0	12.5	13.9	30.0
Chlorobenzilate	Ave	0.3830	0.3986		13.0	12.5	4.1	30.0
3,3'-Dimethylbenzidine	Ave	0.6340	0.6443		13.0	12.5	1.6	30.0
Butylbenzylphthalate	Ave	0.5490	0.5835	0.0100	13.0	12.5	6.3	30.0
2-Acetylaminofluorene	Ave	0.4128	0.4073		12.0	12.5	-1.3	30.0
3,3'-Dichlorobenzidine	Ave	0.4049	0.4220	0.0100	13.0	12.5	4.2	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2076	0.2236		13.0	12.5	7.7	30.0
Benzo[a]anthracene	Ave	1.024	1.104	0.8000	13.0	12.5	7.7	30.0
Chrysene	Ave	1.027	1.089	0.7000	13.0	12.5	6.1	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7550	0.7772	0.0100	13.0	12.5	2.9	30.0
6-Methylchrysene	Ave	0.7323	0.7383		13.0	12.5	0.8	30.0
Di-n-octyl phthalate	Ave	1.387	1.460	0.0100	13.0	12.5	5.2	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5683	0.5698		13.0	12.5	0.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-330490/12 Calibration Date: 12/27/2022 22:17

Instrument ID: HP20296 Calib Start Date: 12/27/2022 18:32

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 12/27/2022 21:14

Lab File ID: LL2761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[b]fluoranthene	Ave	1.212	1.310	0.7000	14.0	12.5	8.0	30.0
Benzo[k]fluoranthene	Ave	1.276	1.366	0.7000	13.0	12.5	7.0	30.0
Benzo[a]pyrene	Ave	1.022	1.157	0.7000	14.0	12.5	13.2	30.0
3-Methylcholanthrene	Ave	0.5919	0.6223		13.0	12.5	5.1	30.0
Dibenz[a,h]acridine	Ave	0.8142	0.9395		14.0	12.5	15.4	30.0
Dibenz[a,j]acridine	Ave	0.9907	1.129		14.0	12.5	13.9	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9055	1.011	0.5000	14.0	12.5	11.6	30.0
Dibenz(a,h)anthracene	Ave	1.038	1.151	0.4000	14.0	12.5	10.8	30.0
Benzo[g,h,i]perylene	Ave	1.096	1.182	0.5000	13.0	12.5	7.9	30.0
1,4-phenylenediamine	Ave	0.4575				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 27-Dec-2022 22:17:53 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0074050-012
Operator ID: mem41592 Instrument ID: HP20296
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Dec-2022 14:39:53 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: P7EB Date: 28-Dec-2022 15:51:08

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	0.000	98	567309	12.5	12.6	
2 N-Nitrosodimethylamine	74	2.056	2.056	0.000	94	981711	12.5	12.7	
3 Pyridine	79	2.094	2.094	0.000	97	3092837	25.0	25.1	
5 2-Picoline	93	2.698	2.698	0.000	93	1584734	12.5	12.7	
6 N-Nitrosomethylethylamine	88	2.789	2.784	0.005	94	701591	12.5	11.8	
9 Methyl methanesulfonate	80	3.057	3.057	0.000	85	863015	12.5	11.9	
11 N-Nitrosodiethylamine	102	3.442	3.442	0.000	97	657972	12.5	12.6	
13 Ethyl methanesulfonate	109	3.725	3.725	0.000	96	646026	12.5	11.7	
30 Indene	115		4.057				ND	ND	
17 Phenol	94	4.110	4.110	0.000	98	1782494	12.5	13.2	
18 Aniline	93	4.153	4.153	0.000	96	2221486	12.5	13.1	
19 Bis(2-chloroethyl)ether	93	4.217	4.217	0.000	94	1446056	12.5	12.8	
20 2-Chlorophenol	128	4.265	4.265	0.000	90	993944	12.5	13.1	
22 1,3-Dichlorobenzene	146	4.420	4.420	0.000	91	1037247	12.5	12.8	
* 24 1,4-Dichlorobenzene-d4	152	4.474	4.474	0.000	96	267671	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.490	4.490	0.000	87	1069628	12.5	12.8	
27 Benzyl alcohol	108	4.597	4.597	0.000	89	865092	12.5	12.8	
29 1,2-Dichlorobenzene	146	4.634	4.634	0.000	89	1010221	12.5	12.8	
31 2-Methylphenol	108	4.699	4.699	0.000	97	1191576	12.5	13.4	
32 2,2'-oxybis[1-chloropropane]	45	4.736	4.731	0.005	94	1952432	12.5	12.6	
34 N-Nitrosopyrrolidine	100	4.832	4.832	0.000	93	785958	12.5	13.0	
36 4-Methylphenol	108	4.843	4.843	0.000	94	1291902	12.5	13.5	
50 Benzoic acid	105		4.844				ND	ND	
37 N-Nitrosodi-n-propylamine	70	4.854	4.854	0.000	72	1293026	12.5	13.4	
35 Acetophenone	105	4.854	4.854	0.000	88	1973106	12.5	13.1	
38 N-Nitrosomorpholine	56	4.870	4.870	0.000	91	1056875	12.5	12.9	
39 2-Toluidine	106	4.886	4.886	0.000	95	2193792	12.5	13.3	
40 Hexachloroethane	117	4.961	4.961	0.000	93	502754	12.5	13.2	
42 Nitrobenzene	77	5.020	5.019	0.001	86	1695245	12.5	12.6	
44 N-Nitrosopiperidine	114	5.164	5.159	0.005	85	627760	12.5	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
46 Isophorone	82	5.244	5.244	0.000	98	3232497	12.5	12.9	
47 2-Nitrophenol	139	5.319	5.319	0.000	90	485851	12.5	12.7	
48 2,4-Dimethylphenol	107	5.356	5.356	0.000	99	1302575	12.5	12.6	
49 o,o',o''-Triethylphosphorothioat	198	5.431	5.431	0.000	94	492618	12.5	11.9	
51 Bis(2-chloroethoxy)methane	93	5.453	5.453	0.000	97	1919388	12.5	13.3	
52 2,4-Dichlorophenol	162	5.544	5.544	0.000	95	841527	12.5	13.4	
54 1,2,4-Trichlorobenzene	180	5.635	5.629	0.006	92	907027	12.5	13.0	
* 55 Naphthalene-d8	136	5.688	5.688	0.000	99	1143069	5.00	5.00	
56 Naphthalene	128	5.709	5.709	0.000	98	3210928	12.5	13.1	
57 4-Chloroaniline	127	5.758	5.758	0.000	91	1382516	12.5	13.0	
58 2,6-Dichlorophenol	162	5.763	5.763	0.000	89	852035	12.5	13.4	
59 Hexachloropropene	213	5.795	5.795	0.000	91	584602	12.5	12.2	
60 Hexachlorobutadiene	225	5.827	5.827	0.000	96	508722	12.5	12.8	
62 Quinoline	129	6.025	6.020	0.005	92	2258265	12.5	13.3	
65 N-Nitrosodi-n-butylamine	84	6.079	6.079	0.001	94	1215213	12.5	11.2	
33 p-Phenylene diamine	108		6.089				ND	ND	U
66 4-Chloro-3-methylphenol	107	6.212	6.212	0.000	92	1241372	12.5	13.4	
67 Safrole, Total	162	6.287	6.287	0.000	81	777716	12.5	12.7	
69 2-Methylnaphthalene	142	6.367	6.367	0.000	91	2074414	12.5	14.1	
70 1-Methylnaphthalene	142	6.458	6.458	0.000	92	1913584	12.5	12.6	
71 Hexachlorocyclopentadiene	237	6.517	6.517	0.000	97	549275	12.5	10.6	
72 1,2,4,5-Tetrachlorobenzene	216	6.522	6.522	0.000	98	967410	12.5	13.4	
73 Isosafrole Peak 1	162	6.560	6.560	0.000	82	105636	1.50	1.51	
74 2,4,6-Trichlorophenol	196	6.629	6.629	0.000	95	603694	12.5	13.3	
75 2,4,5-Trichlorophenol	196	6.662	6.662	0.000	90	684505	12.5	13.4	
77 Isosafrole Peak 2	162	6.779	6.779	0.000	86	791229	11.0	9.94	
79 1,1'-Biphenyl	154	6.811	6.811	0.000	96	2636072	12.5	13.1	
80 2-Chloronaphthalene	162	6.827	6.827	0.000	98	1956438	12.5	12.6	
81 1-Chloronaphthalene	162	6.849	6.849	0.000	95	1907340	12.5	12.7	
82 Phenyl ether	170	6.913	6.913	0.000	91	1343388	12.5	13.0	
83 2-Nitroaniline	138	6.924	6.924	0.000	79	673708	12.5	13.5	
84 1,4-Naphthoquinone	158	6.993	6.993	0.000	73	815933	12.5	13.1	
85 1,4-Dinitrobenzene	168	7.057	7.057	0.000	85	309173	12.5	13.5	
86 Dimethyl phthalate	163	7.100	7.100	0.000	96	2354082	12.5	12.8	
87 1,3-Dinitrobenzene	168	7.122	7.121	0.001	81	355942	12.5	13.6	
88 2,6-Dinitrotoluene	165	7.154	7.154	0.000	82	525284	12.5	13.7	
90 Acenaphthylene	152	7.218	7.218	0.000	99	3339729	12.5	14.0	
91 3-Nitroaniline	138	7.309	7.309	0.000	87	598152	12.5	13.2	
* 92 Acenaphthene-d10	164	7.352	7.351	0.001	94	663383	5.00	5.00	
93 Acenaphthene	153	7.384	7.384	0.000	97	2122776	12.5	13.1	
94 2,4-Dinitrophenol	184	7.410	7.410	0.000	72	523518	25.0	25.9	
96 4-Nitrophenol	109	7.464	7.464	0.000	88	813051	25.0	26.9	
98 Pentachlorobenzene	250	7.507	7.507	0.000	97	878641	12.5	12.6	
99 2,4-Dinitrotoluene	165	7.533	7.533	0.000	84	712215	12.5	13.2	
100 Dibenzofuran	168	7.549	7.549	0.000	97	2913421	12.5	12.7	
101 1-Naphthylamine	143	7.619	7.619	0.000	97	2154686	12.5	13.0	
102 2,3,4,6-Tetrachlorophenol	232	7.662	7.662	0.000	78	568703	12.5	13.4	
103 2-Naphthylamine	143	7.694	7.694	0.000	94	2369643	12.5	13.2	
104 Diethyl phthalate	149	7.774	7.774	0.000	96	2465990	12.5	13.2	
106 Thionazin	107	7.849	7.849	0.000	76	509142	12.5	12.6	
105 Fluorene	166	7.870	7.870	0.000	93	2385513	12.5	13.0	
108 4-Chlorophenyl phenyl ether	204	7.876	7.876	0.000	85	1136000	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
107 N-Nitro-o-toluidine	152	7.881	7.881	0.000	81	712282	12.5	13.6	
109 4-Nitroaniline	138	7.886	7.886	0.000	79	649135	12.5	13.6	
110 4,6-Dinitro-2-methylphenol	198	7.918	7.913	0.005	71	714512	25.0	27.6	
111 N-Nitrosodiphenylamine	169	7.988	7.988	0.000	98	1694602	10.6	11.4	
112 1,2-Diphenylhydrazine	77	8.025	8.025	0.000	100	3966434	12.5	13.7	
114 Sulfotepp	97	8.143	8.143	0.000	81	576020	12.5	12.8	
175 1,3,5-Trinitrobenzene	213	8.229	8.229	0.000	81	205268	12.5	12.4	
115 cis-Diallate	86	8.261	8.261	0.000	75	1169619	9.38	9.10	
116 Phorate	75	8.271	8.271	0.000	95	2438931	12.5	13.0	
117 Phenacetin	108	8.282	8.277	0.005	89	1541691	12.5	13.3	
118 4-Bromophenyl phenyl ether	248	8.341	8.341	0.000	76	641757	12.5	13.0	
119 trans-Diallate	86	8.346	8.346	0.000	98	420405	3.13	3.37	
120 Hexachlorobenzene	284	8.389	8.389	0.000	96	749912	12.5	12.5	
121 Dimethoate	87	8.427	8.427	0.000	97	1430218	12.5	12.9	
123 Pentachlorophenol	266	8.576	8.576	0.000	92	860465	25.0	27.7	
124 4-Aminobiphenyl	169	8.582	8.582	0.000	92	2759384	12.5	12.9	
125 Pentachloronitrobenzene	237	8.587	8.587	0.000	84	308709	12.5	12.4	
126 Pronamide	173	8.641	8.641	0.001	92	1134333	12.5	13.6	
128 Dinoseb	211	8.753	8.753	0.000	92	487611	12.5	12.2	
* 127 Phenanthrene-d10	188	8.758	8.758	0.000	96	1251900	5.00	5.00	
68 Disulfoton	88	8.769	8.769	0.000	95	2297924	12.5	11.4	
129 Phenanthrene	178	8.780	8.780	0.000	97	3424794	12.5	12.6	
130 Anthracene	178	8.828	8.828	0.000	98	3555545	12.5	13.2	
131 Carbazole	167	8.983	8.983	0.000	96	3225094	12.5	13.1	
132 Methyl parathion	109	9.122	9.117	0.005	90	977340	12.5	13.2	
133 Di-n-butyl phthalate	149	9.325	9.325	0.000	100	4026810	12.5	13.7	
134 Ethyl Parathion	109	9.491	9.491	0.000	82	585225	12.5	12.9	
135 4-Nitroquinoline-1-oxide	190	9.512	9.512	0.000	78	285376	12.5	11.6	
167 Aramite Peak 1	185		9.642				ND	ND	
S 63 Diallate	86				0		12.5	12.5	
171 Aramite Peak 2	185		9.658				ND	ND	
176 Aramite Peak 3	185		9.700				ND	ND	
136 Octachlorostyrene	308	9.726	9.726	0.000	94	311942	12.5	13.3	
137 Isodrin	193	9.769	9.769	0.000	86	401305	12.5	11.8	
173 Aramite Peak 4	185		9.775				ND	ND	
138 Fluoranthene	202	9.908	9.908	0.000	99	3662790	12.5	13.2	
139 Benzidine	184	10.042	10.042	0.000	99	2237707	12.5	12.5	
95 Famphur	218	10.160	10.069	0.091	1	249	NC	NC	
* 140 Pyrene-d10 (IS)	212	10.106	10.101	0.005	99	1215983	5.00	5.00	
141 Pyrene	202	10.122	10.122	0.000	96	3815193	12.5	12.6	
143 p-Dimethylamino azobenzene	225	10.427	10.422	0.005	94	690184	12.5	14.2	
144 Chlorobenzilate	139	10.475	10.475	0.000	86	1211660	12.5	13.0	
145 3,3'-Dimethylbenzidine	212	10.775	10.769	0.006	99	1958658	12.5	12.7	
146 Butyl benzyl phthalate	149	10.796	10.796	0.000	93	1773936	12.5	13.3	
147 2-Acetylaminofluorene	181	11.042	11.042	0.000	96	1238077	12.5	12.3	
148 3,3'-Dichlorobenzidine	252	11.379	11.379	0.000	79	1282751	12.5	13.0	
150 4,4'-Methylene bis(2-chloroani	231	11.390	11.384	0.006	94	679798	12.5	13.5	
149 Benzo[a]anthracene	228	11.395	11.395	0.000	99	3354631	12.5	13.5	
151 Chrysene	228	11.438	11.438	0.000	97	3311288	12.5	13.3	
152 Bis(2-ethylhexyl) phthalate	149	11.475	11.475	0.000	96	2362713	12.5	12.9	
S 89 Aramite, Total	185		11.583				12.5	ND	7
153 6-Methylchrysene	242	12.005	12.005	0.000	100	2244438	12.5	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
154 Di-n-octyl phthalate	149	12.336	12.336	0.000	99	3639968	12.5	13.2	
156 7,12-Dimethylbenz(a)anthracene	256	12.791	12.791	0.000	73	1420763	12.5	12.5	
155 Benzo[b]fluoranthene	252	12.791	12.791	0.000	97	3266015	12.5	13.5	
157 Benzo[k]fluoranthene	252	12.829	12.834	-0.006	99	3406648	12.5	13.4	
158 Benzo[a]pyrene	252	13.246	13.246	0.000	80	2885982	12.5	14.2	
* 159 Perylene-d12	264	13.326	13.320	0.006	96	997361	5.00	5.00	
160 3-Methylcholanthrene	268	13.765	13.765	0.001	93	1551577	12.5	13.1	
161 Dibenz[a,h]acridine	279	14.572	14.572	0.000	91	2342534	12.5	14.4	
162 Dibenz[a,j]acridine	279	14.652	14.652	0.000	96	2813934	12.5	14.2	
163 Indeno[1,2,3-cd]pyrene	276	14.925	14.925	0.000	99	2520390	12.5	14.0	
164 Dibenz(a,h)anthracene	278	14.973	14.979	-0.006	94	2868997	12.5	13.9	
165 Benzo[g,h,i]perylene	276	15.332	15.332	0.000	97	2948233	12.5	13.5	
S 166 Isosafrole	162				0		12.5	11.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00018 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2022 14:40:07 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2761.D

Injection Date: 27-Dec-2022 22:17:53 Instrument ID: HP20296 Operator ID: mem41592

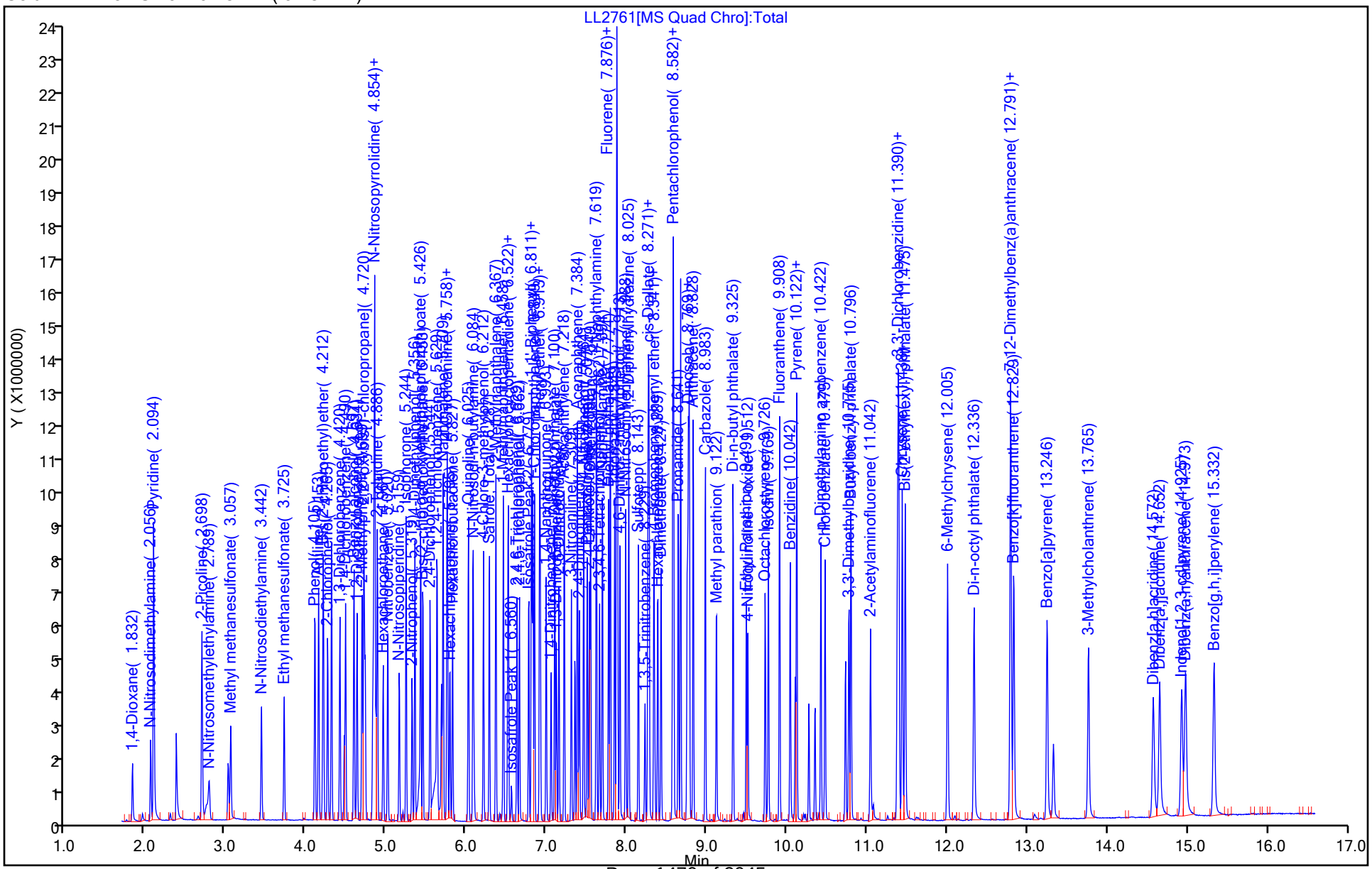
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



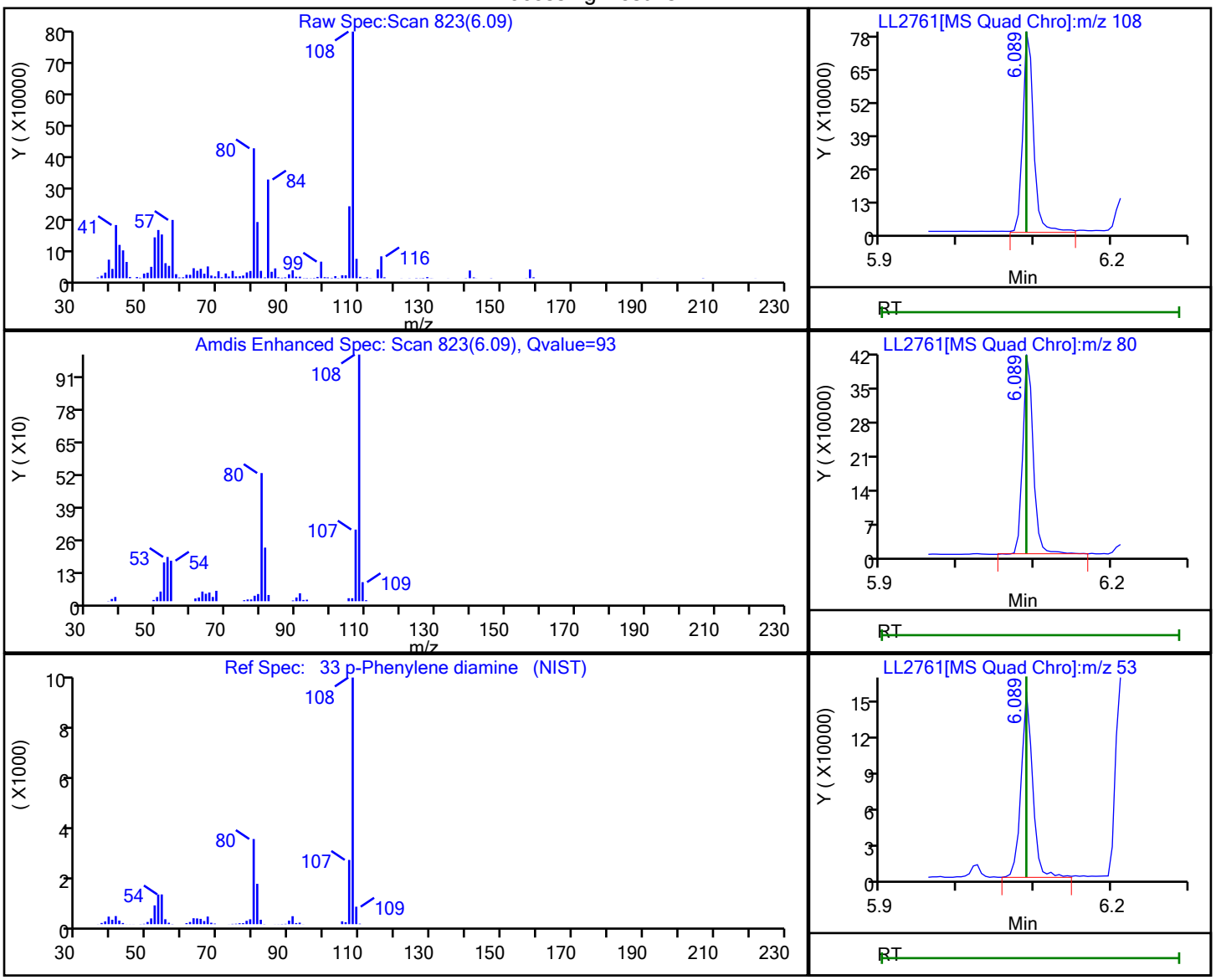
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2761.D				
Injection Date:	27-Dec-2022 22:17:53	Instrument ID:	HP20296		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

33 p-Phenylene diamine, CAS: 106-50-3

Processing Results



RT	Mass	Response	Amount
6.09	108.00	765910	7.323618
6.09	80.00	401457	
6.09	53.00	162262	
6.09	54.00	155097	
6.09	52.00	129398	

Reviewer: P7EB, 28-Dec-2022 15:51:03

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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-380338/2 Calibration Date: 05/26/2023 09:37

Instrument ID: HP20296 Calib Start Date: 12/27/2022 18:32

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 12/27/2022 21:14

Lab File ID: LE2601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8419	0.7430		11.0	12.5	-11.7	20.0
N-Nitrosodimethylamine	Ave	1.448	1.288		11.0	12.5	-11.1	20.0
Pyridine	Ave	2.302	1.977		21.0	25.0	-14.1	20.0
N,N-dimethylformamide	Ave	1.587	1.366		11.0	12.5	-14.0	20.0
2-Picoline	Ave	2.327	1.940		10.0	12.5	-16.6	20.0
N-Nitrosomethylethylamine	Ave	1.109	0.8886		10.0	12.5	-19.8	20.0
Methyl methanesulfonate	Ave	1.359	1.039		9.60	12.5	-23.6*	20.0
N-Nitrosodiethylamine	Ave	0.9767	0.8602		11.0	12.5	-11.9	20.0
Ethyl methanesulfonate	Ave	1.029	0.9378		11.0	12.5	-8.9	20.0
Benzaldehyde	Qua2		1.300	0.0100	8.80	12.5	-29.6*	20.0
Aniline	Ave	3.172	2.938		12.0	12.5	-7.4	20.0
Phenol	Ave	2.528	2.491	0.8000	12.0	12.5	-1.5	20.0
Bis(2-chloroethyl)ether	Ave	2.109	1.922	0.7000	11.0	12.5	-8.9	20.0
2-Chlorophenol	Ave	1.416	1.514	0.8000	13.0	12.5	6.9	20.0
1,3-Dichlorobenzene	Ave	1.512	1.575		13.0	12.5	4.2	20.0
1,4-Dichlorobenzene	Ave	1.566	1.645		13.0	12.5	5.0	20.0
Benzyl alcohol	Ave	1.262	1.167		12.0	12.5	-7.5	20.0
1,2-Dichlorobenzene	Ave	1.479	1.592		13.0	12.5	7.6	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.885	3.344	0.0100	14.0	12.5	15.9	20.0
2-Methylphenol	Ave	1.661	1.626	0.7000	12.0	12.5	-2.1	20.0
N-Nitrosopyrrolidine	Ave	1.125	1.039		12.0	12.5	-7.7	20.0
Acetophenone	Ave	2.814	2.560	0.0100	11.0	12.5	-9.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.805	1.590	0.5000	11.0	12.5	-11.9	20.0
N-Nitrosomorpholine	Ave	1.525	1.550		13.0	12.5	1.6	20.0
o-Toluidine	Ave	3.077	2.893		12.0	12.5	-6.0	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.786	1.917	0.6000	13.0	12.5	7.4	20.0
Hexachloroethane	Ave	0.7124	0.7020	0.3000	12.0	12.5	-1.5	20.0
Nitrobenzene	Ave	0.5869	0.5195	0.2000	11.0	12.5	-11.5	20.0
N-Nitrosopiperidine	Ave	0.2149	0.2121		12.0	12.5	-1.3	20.0
Isophorone	Ave	1.094	0.998	0.4000	11.0	12.5	-8.8	20.0
2-Nitrophenol	Ave	0.1671	0.1947	0.1000	15.0	12.5	16.5	20.0
2,4-Dimethylphenol	Ave	0.4522	0.4263	0.2000	12.0	12.5	-5.7	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1818	0.1971		14.0	12.5	8.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.6318	0.6011	0.3000	12.0	12.5	-4.8	20.0
2,4-Dichlorophenol	Ave	0.2757	0.3189	0.2000	14.0	12.5	15.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.3395		14.0	12.5	10.8	20.0
Naphthalene	Ave	1.073	1.088	0.7000	13.0	12.5	1.4	20.0
a-Terpineol	Ave	0.4812	0.5175		13.0	12.5	7.5	20.0
4-Chloroaniline	Ave	0.4645	0.4872	0.0100	13.0	12.5	4.9	20.0
2,6-Dichlorophenol	Ave	0.2784	0.3224		14.0	12.5	15.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-380338/2 Calibration Date: 05/26/2023 09:37

Instrument ID: HP20296 Calib Start Date: 12/27/2022 18:32

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 12/27/2022 21:14

Lab File ID: LE2601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2092	0.2278		14.0	12.5	8.9	20.0
Hexachlorobutadiene	Ave	0.1744	0.1913	0.0100	14.0	12.5	9.7	20.0
Quinoline	Ave	0.7418	0.7404		12.0	12.5	-0.2	20.0
Caprolactam	Ave	0.1292	0.1246	0.0100	12.0	12.5	-3.6	20.0
N-Nitrosodi-n-butylamine	Ave	0.4748	0.4624		12.0	12.5	-2.6	20.0
1,4-phenylenediamine	Ave	0.4575	0.2189			12.5	-52.1*	20.0
4-Chloro-3-methylphenol	Ave	0.4041	0.3915	0.2000	12.0	12.5	-3.1	20.0
Safrole, Total	Ave	0.2669	0.2921		14.0	12.5	9.4	20.0
2-Methylnaphthalene	Ave	0.6413	0.7105	0.4000	14.0	12.5	10.8	20.0
1-Methylnaphthalene	Ave	0.6632	0.6698		13.0	12.5	1.0	20.0
Hexachlorocyclopentadiene	Ave	0.3908	0.2818	0.0500	9.00	12.5	-27.9*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5438	0.6393	0.0100	15.0	12.5	17.6	20.0
Isosafrole Peak 1	Ave	0.5262	0.5584		2.10	2.00	6.1	20.0
2,4,6-Trichlorophenol	Ave	0.3432	0.4014	0.2000	15.0	12.5	17.0	20.0
2,4,5-Trichlorophenol	Ave	0.3851	0.4385	0.2000	14.0	12.5	13.9	20.0
Isosafrole Peak 2	Ave	0.5999	0.6107		11.0	10.5	1.8	20.0
1,1'-Biphenyl	Ave	1.517	1.535	0.0100	13.0	12.5	1.2	20.0
2-Chloronaphthalene	Ave	1.172	1.133	0.8000	12.0	12.5	-3.3	20.0
1-Chloronaphthalene	Ave	1.132	1.239		14.0	12.5	9.4	20.0
Diphenyl ether	Ave	0.7807	0.8190		13.0	12.5	4.9	20.0
2-Nitroaniline	Ave	0.3772	0.4165	0.0100	14.0	12.5	10.4	20.0
1,4-Naphthoquinone	Ave	0.4691	0.4920		13.0	12.5	4.9	20.0
1,4-Dinitrobenzene	Ave	0.1729	0.2094		15.0	12.5	21.1*	20.0
Dimethyl phthalate	Ave	1.388	1.415	0.0100	13.0	12.5	1.9	20.0
1,3-Dinitrobenzene	Ave	0.1979	0.2381		15.0	12.5	20.3*	20.0
2,6-Dinitrotoluene	Ave	0.2894	0.3236	0.2000	14.0	12.5	11.8	20.0
Acenaphthylene	Ave	1.797	1.985	0.9000	14.0	12.5	10.5	20.0
3-Nitroaniline	Ave	0.3414	0.3658	0.0100	13.0	12.5	7.2	20.0
Acenaphthene	Ave	1.226	1.250	0.9000	13.0	12.5	2.0	20.0
2,4-Dinitrophenol	Ave	0.1521	0.1833	0.0100	30.0	25.0	20.5*	20.0
Pentachlorobenzene	Ave	0.5243	0.5206		12.0	12.5	-0.7	20.0
Dibenzofuran	Ave	1.724	1.751	0.8000	13.0	12.5	1.6	20.0
2,4-Dinitrotoluene	Ave	0.4082	0.4454	0.2000	14.0	12.5	9.1	20.0
4-Nitrophenol	Ave	0.2275	0.1893	0.0100	21.0	25.0	-16.8	20.0
1-Naphthylamine	Ave	1.247	1.095		11.0	12.5	-12.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3188	0.2734	0.0100	11.0	12.5	-14.3	20.0
2-Naphthylamine	Ave	1.350	1.249		12.0	12.5	-7.5	20.0
Diethyl phthalate	Ave	1.405	1.428	0.0100	13.0	12.5	1.6	20.0
Fluorene	Ave	1.388	1.417	0.9000	13.0	12.5	2.1	20.0
Thionazin	Ave	0.3050	0.2798		11.0	12.5	-8.3	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6468	0.6843	0.4000	13.0	12.5	5.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-380338/2 Calibration Date: 05/26/2023 09:37

Instrument ID: HP20296 Calib Start Date: 12/27/2022 18:32

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 12/27/2022 21:14

Lab File ID: LE2601.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	0.3954	0.4166		13.0	12.5	5.4	20.0
4-Nitroaniline	Ave	0.3605	0.3635	0.0100	13.0	12.5	0.8	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1035	0.1307	0.0100	32.0	25.0	26.2*	20.0
N-Nitrosodiphenylamine	Ave	0.5928	0.6588	0.0100	12.0	10.6	11.1	20.0
1,2-Diphenylhydrazine	Ave	1.158	1.078		12.0	12.5	-6.9	20.0
Sulfotepp	Ave	0.1797	0.1698		12.0	12.5	-5.6	20.0
cis-Diallate	Ave	0.5132	0.4398		7.90	9.25	-14.3	20.0
1,3,5-Trinitrobenzene	Ave	0.0659	0.0848			12.5	28.8*	20.0
Phorate	Ave	0.7491	0.9714		16.0	12.5	29.7*	20.0
Phenacetin	Ave	0.4639	0.4423		12.0	12.5	-4.7	20.0
4-Bromophenyl-phenylether	Ave	0.1974	0.2080	0.1000	13.0	12.5	5.4	20.0
trans-Diallate	Ave	0.4987	0.4440		2.90	3.25	-11.0	20.0
Hexachlorobenzene	Ave	0.2394	0.2314	0.1000	12.0	12.5	-3.4	20.0
Dimethoate	Ave	0.4416	0.4283		12.0	12.5	-3.0	20.0
Atrazine	Ave	0.1969	0.2123	0.0100	13.0	12.5	7.9	20.0
Pentachloronitrobenzene	Ave	0.0993	0.1024		13.0	12.5	3.1	20.0
Pentachlorophenol	Ave	0.1242	0.1139	0.0500	23.0	25.0	-8.3	20.0
4-Aminobiphenyl	Ave	0.8555	0.8418		12.0	12.5	-1.6	20.0
Pronamide	Ave	0.3340	0.3581		13.0	12.5	7.2	20.0
Dinoseb	Qua1		0.1911		15.0	12.5	17.7	20.0
Phenanthrene	Ave	1.082	1.117	0.7000	13.0	12.5	3.2	20.0
Disulfoton	Ave	0.8081	0.6628		10.0	12.5	-18.0	20.0
Anthracene	Ave	1.079	1.157	0.7000	13.0	12.5	7.3	20.0
Carbazole	Ave	0.9862	1.037	0.0100	13.0	12.5	5.2	20.0
Methyl parathion	Ave	0.2951	0.3153		13.0	12.5	6.9	20.0
Di-n-butyl phthalate	Ave	1.177	1.303	0.0100	14.0	12.5	10.7	20.0
Parathion	Ave	0.1814	0.1911		13.0	12.5	5.4	20.0
4-Nitroquinoline-1-oxide	Ave	0.0982	0.0880		11.0	12.5	-10.5	20.0
Octachlorostyrene	Ave	0.0937	0.0822		11.0	12.5	-12.2	20.0
Isodrin	Ave	0.1360	0.1367		13.0	12.5	0.5	20.0
Fluoranthene	Ave	1.107	1.216	0.6000	14.0	12.5	9.9	20.0
Benzidine	Ave	0.7389	0.7451		38.0	37.5	0.8	20.0
Pyrene	Ave	1.241	1.226	0.6000	12.0	12.5	-1.2	20.0
p-Dimethylamino azobenzene	Ave	0.1994	0.2131		13.0	12.5	6.9	20.0
Chlorobenzilate	Ave	0.3830	0.3696		12.0	12.5	-3.5	20.0
3,3'-Dimethylbenzidine	Ave	0.6340	0.6778		13.0	12.5	6.9	20.0
Butylbenzylphthalate	Ave	0.5490	0.5526	0.0100	13.0	12.5	0.7	20.0
2-Acetylaminofluorene	Ave	0.4128	0.4300		13.0	12.5	4.2	20.0
3,3'-Dichlorobenzidine	Ave	0.4049	0.3950	0.0100	12.0	12.5	-2.4	20.0
Benzo[a]anthracene	Ave	1.024	1.046	0.8000	13.0	12.5	2.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-380338/2 Calibration Date: 05/26/2023 09:37

Instrument ID: HP20296 Calib Start Date: 12/27/2022 18:32

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 12/27/2022 21:14

Lab File ID: LE2601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2076	0.2242		13.0	12.5	8.0	20.0
Chrysene	Ave	1.027	1.013	0.7000	12.0	12.5	-1.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7550	0.7430	0.0100	12.0	12.5	-1.6	20.0
6-Methylchrysene	Ave	0.7323	0.6774		12.0	12.5	-7.5	20.0
Di-n-octyl phthalate	Ave	1.387	1.683	0.0100	15.0	12.5	21.3*	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5683	0.5699		13.0	12.5	0.3	20.0
Benzo[b]fluoranthene	Ave	1.212	1.315	0.7000	14.0	12.5	8.4	20.0
Benzo[k]fluoranthene	Ave	1.276	1.406	0.7000	14.0	12.5	10.1	20.0
Benzo[a]pyrene	Ave	1.022	1.143	0.7000	14.0	12.5	11.8	20.0
3-Methylcholanthrene	Ave	0.5919	0.6228		13.0	12.5	5.2	20.0
Dibenz[a,h]acridine	Ave	0.8142	0.8768		13.0	12.5	7.7	20.0
Dibenz[a,j]acridine	Ave	0.9907	1.043		13.0	12.5	5.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9055	0.996	0.5000	14.0	12.5	10.0	20.0
Dibenz(a,h)anthracene	Ave	1.038	1.145	0.4000	14.0	12.5	10.3	20.0
Benzo[g,h,i]perylene	Ave	1.096	1.150	0.5000	13.0	12.5	4.9	20.0
2-Fluorophenol (Surr)	Ave	1.591	1.484		23.0	25.0	-6.7	20.0
Phenol-d5 (Surr)	Ave	2.441	2.373		24.0	25.0	-2.8	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5877	0.5211		22.0	25.0	-11.3	20.0
2-Fluorobiphenyl (Surr)	Ave	1.356	1.426		26.0	25.0	5.1	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2138	0.1929		23.0	25.0	-9.8	20.0
p-Terphenyl-d14 (Surr)	Ave	0.8418	0.8193		24.0	25.0	-2.7	20.0

Report Date: 26-May-2023 21:09:05 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2601.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-May-2023 09:37:17 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: msl46741 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub23

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 21:09:04 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 21:09:04

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	1.337	1.337	0.000	94	422610	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.545	1.545	0.000	96	732433	12.5	11.1	
3 Pyridine	79	1.572	1.572	0.000	89	2249554	25.0	21.5	
4 Dimethylformamide	73	1.840	1.840	0.000	97	776746	12.5	10.8	
5 2-Picoline	93	2.118	2.118	0.000	94	1103581	12.5	10.4	
6 N-Nitrosomethylethylamine	88	2.214	2.214	0.000	96	505450	12.5	10.0	
9 Methyl methanesulfonate	80	2.471	2.471	0.000	85	590786	12.5	9.56	
$ 10 2-Fluorophenol	112	2.653	2.653	0.000	98	1688551	25.0	23.3	
11 N-Nitrosodiethylamine	102	2.829	2.829	0.000	87	489285	12.5	11.0	
13 Ethyl methanesulfonate	109	3.129	3.129	0.000	97	533442	12.5	11.4	
15 Benzaldehyde	77	3.455	3.455	0.000	92	739526	12.5	8.80	
18 Aniline	93	3.562	3.562	0.000	97	1671371	12.5	11.6	
$ 16 Phenol-d5	99	3.567	3.567	0.000	98	2699976	25.0	24.3	
17 Phenol	94	3.583	3.583	0.000	89	1416634	12.5	12.3	
19 Bis(2-chloroethyl)ether	93	3.637	3.637	0.000	90	1093311	12.5	11.4	
20 2-Chlorophenol	128	3.690	3.690	0.000	92	861119	12.5	13.4	
22 1,3-Dichlorobenzene	146	3.824	3.824	0.000	95	895979	12.5	13.0	
* 24 1,4-Dichlorobenzene-d4	152	3.888	3.888	0.000	97	227522	5.00	5.00	s
25 1,4-Dichlorobenzene	146	3.904	3.904	0.000	91	935428	12.5	13.1	
27 Benzyl alcohol	108	4.033	4.033	0.000	90	664040	12.5	11.6	
29 1,2-Dichlorobenzene	146	4.049	4.049	0.000	96	905703	12.5	13.5	
32 2,2'-oxybis[1-chloropropane]	45	4.166	4.166	0.000	94	1902111	12.5	14.5	
31 2-Methylphenol	108	4.172	4.172	0.000	97	924814	12.5	12.2	
34 N-Nitrosopyrrolidine	100	4.268	4.268	0.000	91	590815	12.5	11.5	
35 Acetophenone	105	4.289	4.289	0.000	92	1455907	12.5	11.4	
37 N-Nitrosodi-n-propylamine	70	4.295	4.295	0.000	83	904636	12.5	11.0	
38 N-Nitrosomorpholine	56	4.311	4.311	0.000	89	881658	12.5	12.7	
39 2-Toluidine	106	4.321	4.321	0.000	85	1645468	12.5	11.8	
36 4-Methylphenol	108	4.327	4.327	0.000	84	1090631	12.5	13.4	
40 Hexachloroethane	117	4.375	4.375	0.000	97	399301	12.5	12.3	
$ 41 Nitrobenzene-d5	82	4.434	4.434	0.000	90	2451291	25.0	22.2	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 Nitrobenzene	77	4.450	4.450	0.000	90	1221937	12.5	11.1	
	44 N-Nitrosopiperidine	114	4.599	4.599	0.000	84	498831	12.5	12.3	
	46 Isophorone	82	4.685	4.685	0.000	98	2346407	12.5	11.4	
	47 2-Nitrophenol	139	4.760	4.760	0.000	94	457855	12.5	14.6	
	48 2,4-Dimethylphenol	107	4.829	4.829	0.000	99	1002643	12.5	11.8	
	49 o,o',o''-Triethylphosphorothioat	198	4.888	4.888	0.000	91	463625	12.5	13.6	
	51 Bis(2-chloroethoxy)methane	93	4.915	4.915	0.000	93	1413939	12.5	11.9	
	52 2,4-Dichlorophenol	162	5.017	5.017	0.000	98	750053	12.5	14.5	
	54 1,2,4-Trichlorobenzene	180	5.070	5.070	0.000	94	798475	12.5	13.9	
*	55 Naphthalene-d8	136	5.124	5.124	0.000	99	940852	5.00	5.00	s
	56 Naphthalene	128	5.145	5.145	0.000	98	2560245	12.5	12.7	
	26 Alpha-Terpineol	59	5.172	5.172	0.000	90	1217306	12.5	13.4	
	57 4-Chloroaniline	127	5.209	5.209	0.000	93	1145962	12.5	13.1	
	58 2,6-Dichlorophenol	162	5.220	5.220	0.000	93	758271	12.5	14.5	
	59 Hexachloropropene	213	5.231	5.231	0.000	88	535735	12.5	13.6	
	60 Hexachlorobutadiene	225	5.268	5.268	0.000	96	449933	12.5	13.7	
	23 alpha,alpha-Dimethyl phenethylam	58		5.413				ND	ND	U
	62 Quinoline	129	5.466	5.466	0.000	94	1741436	12.5	12.5	
	64 Caprolactam	113	5.530	5.530	0.000	75	293143	12.5	12.1	
	65 N-Nitrosodi-n-butylamine	84	5.546	5.546	0.000	94	1087548	12.5	12.2	
	33 p-Phenylene diamine	108	5.552	5.552	0.000	94	514906	12.5	5.98	
	66 4-Chloro-3-methylphenol	107	5.717	5.717	0.000	95	920967	12.5	12.1	
	67 Safrole, Total	162	5.739	5.739	0.000	87	686979	12.5	13.7	
	69 2-Methylnaphthalene	142	5.808	5.808	0.000	92	1671297	12.5	13.8	
	70 1-Methylnaphthalene	142	5.905	5.905	0.000	94	1575565	12.5	12.6	
	71 Hexachlorocyclopentadiene	237	5.963	5.963	0.000	97	388581	12.5	9.02	
	72 1,2,4,5-Tetrachlorobenzene	216	5.969	5.969	0.000	98	881441	12.5	14.7	
	73 Isosafrole Peak 1	162	6.022	6.022	0.000	89	123176	2.00	2.12	
	74 2,4,6-Trichlorophenol	196	6.097	6.097	0.000	95	553403	12.5	14.6	
	75 2,4,5-Trichlorophenol	196	6.151	6.151	0.000	93	604594	12.5	14.2	
$	76 2-Fluorobiphenyl (Surr)	172	6.172	6.172	0.000	100	3931286	25.0	26.3	
	77 Isosafrole Peak 2	162	6.236	6.236	0.000	89	707228	10.5	10.7	
	79 1,1'-Biphenyl	154	6.263	6.263	0.000	96	2116304	12.5	12.6	
	80 2-Chloronaphthalene	162	6.274	6.274	0.000	96	1561892	12.5	12.1	
	81 1-Chloronaphthalene	162	6.290	6.290	0.000	98	1707521	12.5	13.7	
	82 Phenyl ether	170	6.365	6.365	0.000	91	1129147	12.5	13.1	
	83 2-Nitroaniline	138	6.386	6.386	0.000	76	574186	12.5	13.8	
	84 1,4-Naphthoquinone	158	6.450	6.450	0.000	83	678292	12.5	13.1	
	85 1,4-Dinitrobenzene	168	6.525	6.525	0.000	87	288687	12.5	15.1	
	86 Dimethyl phthalate	163	6.568	6.568	0.000	97	1950406	12.5	12.7	
	87 1,3-Dinitrobenzene	168	6.589	6.589	0.000	83	328210	12.5	15.0	
	88 2,6-Dinitrotoluene	165	6.621	6.621	0.000	89	446121	12.5	14.0	
	90 Acenaphthylene	152	6.659	6.659	0.000	99	2737229	12.5	13.8	
	91 3-Nitroaniline	138	6.776	6.776	0.000	88	504362	12.5	13.4	
*	92 Acenaphthene-d10	164	6.792	6.792	0.000	94	551479	5.00	5.00	s
	93 Acenaphthene	153	6.825	6.825	0.000	97	1723945	12.5	12.8	
	94 2,4-Dinitrophenol	184	6.878	6.878	0.000	79	505305	25.0	30.1	
	98 Pentachlorobenzene	250	6.953	6.953	0.000	98	717800	12.5	12.4	
	100 Dibenzofuran	168	6.990	6.990	0.000	98	2414502	12.5	12.7	
	99 2,4-Dinitrotoluene	165	7.001	7.001	0.000	88	614005	12.5	13.6	
	96 4-Nitrophenol	109	7.012	7.012	0.000	88	521998	25.0	20.8	
	101 1-Naphthylamine	143	7.071	7.071	0.000	99	1509042	12.5	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.081	7.081	0.000	72	376902	12.5	10.7	
103 2-Naphthylamine	143	7.145	7.145	0.000	96	1722461	12.5	11.6	
104 Diethyl phthalate	149	7.242	7.242	0.000	97	1968905	12.5	12.7	
106 Thionazin	107	7.317	7.317	0.000	55	385773	12.5	11.5	
105 Fluorene	166	7.317	7.317	0.000	92	1953209	12.5	12.8	
108 4-Chlorophenyl phenyl ether	204	7.327	7.327	0.000	95	943470	12.5	13.2	
107 N-Nitro-o-toluidine	152	7.338	7.338	0.000	89	574350	12.5	13.2	
109 4-Nitroaniline	138	7.354	7.354	0.000	83	501148	12.5	12.6	
110 4,6-Dinitro-2-methylphenol	198	7.381	7.381	0.000	74	657820	25.0	31.6	
111 N-Nitrosodiphenylamine	169	7.445	7.445	0.000	98	1409550	10.6	11.8	
112 1,2-Diphenylhydrazine	77	7.477	7.477	0.000	98	2713335	12.5	11.6	
$ 113 2,4,6-Tribromophenol	330	7.547	7.547	0.000	94	531959	25.0	22.6	
114 Sulfotepp	97	7.616	7.616	0.000	77	427312	12.5	11.8	
115 cis-Diallate	86	7.723	7.723	0.000	88	819202	9.25	7.93	
175 1,3,5-Trinitrobenzene	213	7.728	7.728	0.000	83	213496	12.5	16.1	
116 Phorate	75	7.728	7.728	0.000	94	2445175	12.5	16.2	
117 Phenacetin	108	7.755	7.755	0.000	92	1113276	12.5	11.9	
118 4-Bromophenyl phenyl ether	248	7.787	7.787	0.000	73	523656	12.5	13.2	
119 trans-Diallate	86	7.803	7.803	0.000	94	290616	3.25	2.89	
120 Hexachlorobenzene	284	7.825	7.825	0.000	94	582368	12.5	12.1	
121 Dimethoate	87	7.889	7.889	0.000	97	1078245	12.5	12.1	
122 Atrazine	200	7.964	7.964	0.000	86	534481	12.5	13.5	
123 Pentachlorophenol	266	8.028	8.028	0.000	84	573188	25.0	22.9	
125 Pentachloronitrobenzene	237	8.028	8.028	0.000	65	257777	12.5	12.9	
124 4-Aminobiphenyl	169	8.033	8.033	0.000	91	2118916	12.5	12.3	
126 Pronamide	173	8.108	8.108	0.000	90	901490	12.5	13.4	
* 127 Phenanthrene-d10	188	8.194	8.194	0.000	97	1006901	5.00	5.00	s
128 Dinoseb	211	8.215	8.215	0.000	94	481142	12.5	14.7	
129 Phenanthrene	178	8.215	8.215	0.000	98	2810799	12.5	12.9	
68 Disulfoton	88	8.226	8.226	0.000	96	1668426	12.5	10.3	
130 Anthracene	178	8.263	8.263	0.000	98	2913425	12.5	13.4	
131 Carbazole	167	8.429	8.429	0.000	96	2611378	12.5	13.1	
132 Methyl parathion	109	8.574	8.574	0.000	90	793806	12.5	13.4	
133 Di-n-butyl phthalate	149	8.793	8.793	0.000	99	3279303	12.5	13.8	
134 Ethyl Parathion	109	8.948	8.948	0.000	82	481075	12.5	13.2	
135 4-Nitroquinoline-1-oxide	190	8.959	8.959	0.000	93	221403	12.5	11.2	
136 Octachlorostyrene	308	9.167	9.167	0.000	93	207038	12.5	11.0	
137 Isodrin	193	9.189	9.189	0.000	89	344113	12.5	12.6	
138 Fluoranthene	202	9.338	9.338	0.000	98	3061123	12.5	13.7	
139 Benzidine	184	9.493	9.493	0.000	100	5764684	37.5	37.8	
* 140 Pyrene-d10 (IS)	212	9.531	9.531	0.000	97	1031528	5.00	5.00	s
141 Pyrene	202	9.547	9.547	0.000	97	3162406	12.5	12.4	
S 63 Diallate	86				0		12.5	10.8	
$ 142 p-Terphenyl-d14	244	9.723	9.723	0.000	99	4225555	25.0	24.3	
143 p-Dimethylamino azobenzene	225	9.857	9.857	0.000	94	549511	12.5	13.4	
144 Chlorobenzilate	139	9.911	9.911	0.000	87	953258	12.5	12.1	
95 Famphur	218	10.146	10.146	0.000	86	798136	12.5	11.5	
145 3,3'-Dimethylbenzidine	212	10.183	10.183	0.000	99	1747888	12.5	13.4	
146 Butyl benzyl phthalate	149	10.210	10.210	0.000	95	1425144	12.5	12.6	
147 2-Acetylaminofluorene	181	10.430	10.430	0.000	94	1108877	12.5	13.0	
148 3,3'-Dichlorobenzidine	252	10.724	10.724	0.000	76	1018551	12.5	12.2	
149 Benzo[a]anthracene	228	10.724	10.724	0.000	99	2698649	12.5	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
150 4,4'-Methylene bis(2-chloroanil	231	10.734	10.734	0.000	95	578060	12.5	13.5	
151 Chrysene	228	10.761	10.761	0.000	98	2612592	12.5	12.3	
152 Bis(2-ethylhexyl) phthalate	149	10.831	10.831	0.000	94	1915940	12.5	12.3	
153 6-Methylchrysene	242	11.264	11.264	0.000	100	1746778	12.5	11.6	
S 89 Aramite, Total	185		11.583				12.5	ND	7
154 Di-n-octyl phthalate	149	11.590	11.590	0.000	98	3078146	12.5	15.2	
156 7,12-Dimethylbenz(a)anthracene	256	11.959	11.959	0.000	71	1042267	12.5	12.5	
155 Benzo[b]fluoranthene	252	11.959	11.959	0.000	97	2404572	12.5	13.6	
157 Benzo[k]fluoranthene	252	11.991	11.991	0.000	99	2571052	12.5	13.8	
158 Benzo[a]pyrene	252	12.360	12.360	0.000	79	2090008	12.5	14.0	
* 159 Perylene-d12	264	12.435	12.435	0.000	97	731607	5.00	5.00	s
160 3-Methylcholanthrene	268	12.836	12.836	0.000	92	1139175	12.5	13.2	
161 Dibenz[a,h]acridine	279	13.564	13.564	0.000	92	1603745	12.5	13.5	
162 Dibenz[a,j]acridine	279	13.628	13.628	0.000	96	1908320	12.5	13.2	
163 Indeno[1,2,3-cd]pyrene	276	13.847	13.847	0.000	98	1822375	12.5	13.8	
164 Dibenz(a,h)anthracene	278	13.890	13.890	0.000	93	2094005	12.5	13.8	
165 Benzo[g,h,i]perylene	276	14.195	14.195	0.000	97	2103282	12.5	13.1	
S 166 Isosafrole	162				0		12.5	12.8	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

s - Failed ISTD Recovery Test

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_6_00043 Amount Added: 1.00 Units: mL

Report Date: 26-May-2023 21:09:05 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2601.D

Injection Date: 26-May-2023 09:37:17 Instrument ID: HP20296 Operator ID: msl46741

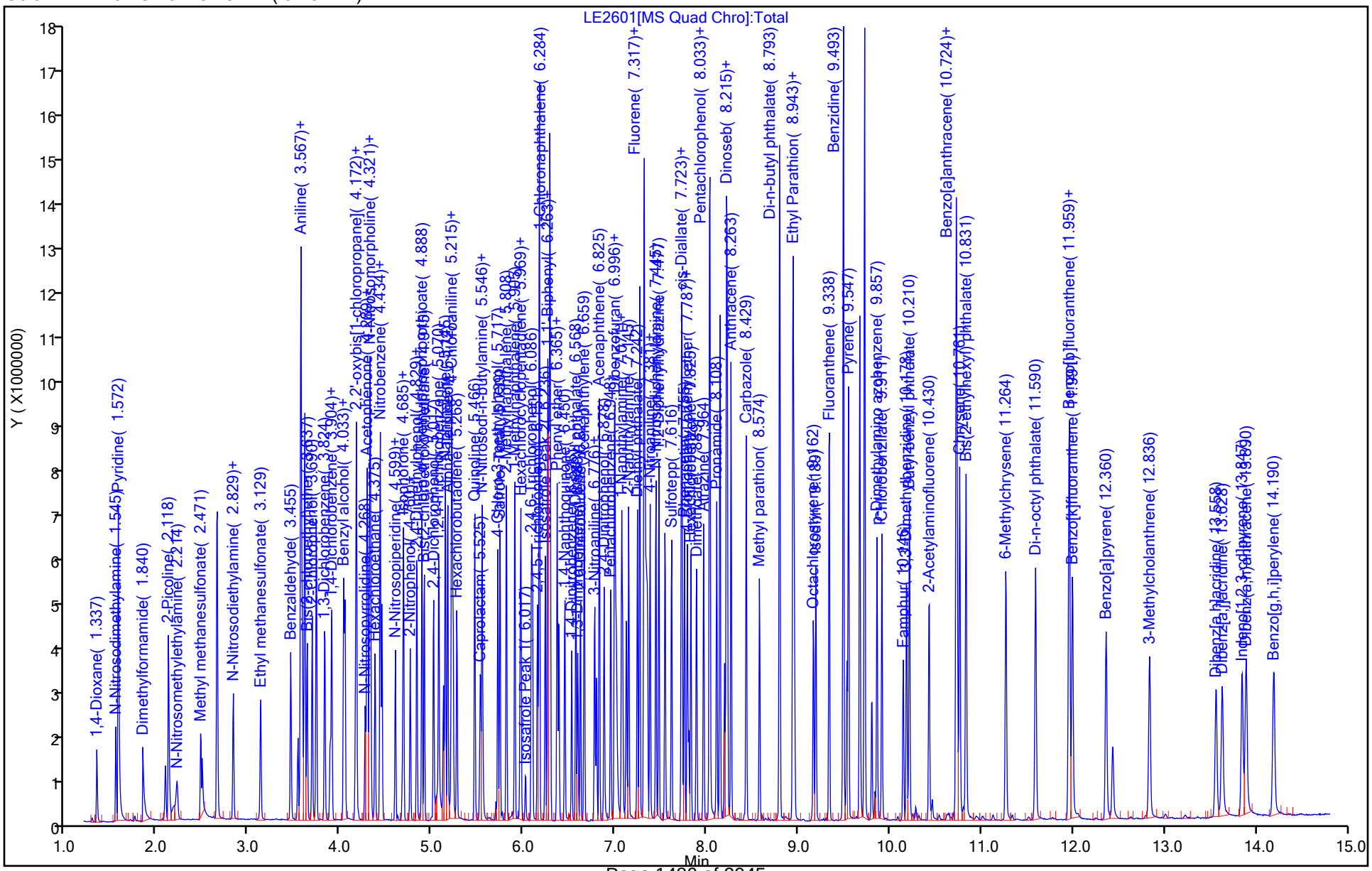
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-380338/2 Calibration Date: 05/26/2023 09:37

Instrument ID: HP20296 Calib Start Date: 01/31/2023 15:56

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 01/31/2023 15:56

Lab File ID: LE2601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
a,a-Dimethylphenethylamine	Ave	0.6222				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2601.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-May-2023 09:37:17 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: msl46741 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub23

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 21:09:04 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 21:09:04

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	1.337	1.337	0.000	94	422610	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.545	1.545	0.000	96	732433	12.5	11.1	
3 Pyridine	79	1.572	1.572	0.000	89	2249554	25.0	21.5	
4 Dimethylformamide	73	1.840	1.840	0.000	97	776746	12.5	10.8	
5 2-Picoline	93	2.118	2.118	0.000	94	1103581	12.5	10.4	
6 N-Nitrosomethylethylamine	88	2.214	2.214	0.000	96	505450	12.5	10.0	
9 Methyl methanesulfonate	80	2.471	2.471	0.000	85	590786	12.5	9.56	
$ 10 2-Fluorophenol	112	2.653	2.653	0.000	98	1688551	25.0	23.3	
11 N-Nitrosodiethylamine	102	2.829	2.829	0.000	87	489285	12.5	11.0	
13 Ethyl methanesulfonate	109	3.129	3.129	0.000	97	533442	12.5	11.4	
15 Benzaldehyde	77	3.455	3.455	0.000	92	739526	12.5	8.80	
18 Aniline	93	3.562	3.562	0.000	97	1671371	12.5	11.6	
$ 16 Phenol-d5	99	3.567	3.567	0.000	98	2699976	25.0	24.3	
17 Phenol	94	3.583	3.583	0.000	89	1416634	12.5	12.3	
19 Bis(2-chloroethyl)ether	93	3.637	3.637	0.000	90	1093311	12.5	11.4	
20 2-Chlorophenol	128	3.690	3.690	0.000	92	861119	12.5	13.4	
22 1,3-Dichlorobenzene	146	3.824	3.824	0.000	95	895979	12.5	13.0	
* 24 1,4-Dichlorobenzene-d4	152	3.888	3.888	0.000	97	227522	5.00	5.00	s
25 1,4-Dichlorobenzene	146	3.904	3.904	0.000	91	935428	12.5	13.1	
27 Benzyl alcohol	108	4.033	4.033	0.000	90	664040	12.5	11.6	
29 1,2-Dichlorobenzene	146	4.049	4.049	0.000	96	905703	12.5	13.5	
32 2,2'-oxybis[1-chloropropane]	45	4.166	4.166	0.000	94	1902111	12.5	14.5	
31 2-Methylphenol	108	4.172	4.172	0.000	97	924814	12.5	12.2	
34 N-Nitrosopyrrolidine	100	4.268	4.268	0.000	91	590815	12.5	11.5	
35 Acetophenone	105	4.289	4.289	0.000	92	1455907	12.5	11.4	
37 N-Nitrosodi-n-propylamine	70	4.295	4.295	0.000	83	904636	12.5	11.0	
38 N-Nitrosomorpholine	56	4.311	4.311	0.000	89	881658	12.5	12.7	
39 2-Toluidine	106	4.321	4.321	0.000	85	1645468	12.5	11.8	
36 4-Methylphenol	108	4.327	4.327	0.000	84	1090631	12.5	13.4	
40 Hexachloroethane	117	4.375	4.375	0.000	97	399301	12.5	12.3	
$ 41 Nitrobenzene-d5	82	4.434	4.434	0.000	90	2451291	25.0	22.2	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 Nitrobenzene	77	4.450	4.450	0.000	90	1221937	12.5	11.1	
	44 N-Nitrosopiperidine	114	4.599	4.599	0.000	84	498831	12.5	12.3	
	46 Isophorone	82	4.685	4.685	0.000	98	2346407	12.5	11.4	
	47 2-Nitrophenol	139	4.760	4.760	0.000	94	457855	12.5	14.6	
	48 2,4-Dimethylphenol	107	4.829	4.829	0.000	99	1002643	12.5	11.8	
	49 o,o',o''-Triethylphosphorothioat	198	4.888	4.888	0.000	91	463625	12.5	13.6	
	51 Bis(2-chloroethoxy)methane	93	4.915	4.915	0.000	93	1413939	12.5	11.9	
	52 2,4-Dichlorophenol	162	5.017	5.017	0.000	98	750053	12.5	14.5	
	54 1,2,4-Trichlorobenzene	180	5.070	5.070	0.000	94	798475	12.5	13.9	
*	55 Naphthalene-d8	136	5.124	5.124	0.000	99	940852	5.00	5.00	s
	56 Naphthalene	128	5.145	5.145	0.000	98	2560245	12.5	12.7	
	26 Alpha-Terpineol	59	5.172	5.172	0.000	90	1217306	12.5	13.4	
	57 4-Chloroaniline	127	5.209	5.209	0.000	93	1145962	12.5	13.1	
	58 2,6-Dichlorophenol	162	5.220	5.220	0.000	93	758271	12.5	14.5	
	59 Hexachloropropene	213	5.231	5.231	0.000	88	535735	12.5	13.6	
	60 Hexachlorobutadiene	225	5.268	5.268	0.000	96	449933	12.5	13.7	
	23 alpha,alpha-Dimethyl phenethylam	58		5.413				ND	ND	U
	62 Quinoline	129	5.466	5.466	0.000	94	1741436	12.5	12.5	
	64 Caprolactam	113	5.530	5.530	0.000	75	293143	12.5	12.1	
	65 N-Nitrosodi-n-butylamine	84	5.546	5.546	0.000	94	1087548	12.5	12.2	
	33 p-Phenylene diamine	108	5.552	5.552	0.000	94	514906	12.5	5.98	
	66 4-Chloro-3-methylphenol	107	5.717	5.717	0.000	95	920967	12.5	12.1	
	67 Safrole, Total	162	5.739	5.739	0.000	87	686979	12.5	13.7	
	69 2-Methylnaphthalene	142	5.808	5.808	0.000	92	1671297	12.5	13.8	
	70 1-Methylnaphthalene	142	5.905	5.905	0.000	94	1575565	12.5	12.6	
	71 Hexachlorocyclopentadiene	237	5.963	5.963	0.000	97	388581	12.5	9.02	
	72 1,2,4,5-Tetrachlorobenzene	216	5.969	5.969	0.000	98	881441	12.5	14.7	
	73 Isosafrole Peak 1	162	6.022	6.022	0.000	89	123176	2.00	2.12	
	74 2,4,6-Trichlorophenol	196	6.097	6.097	0.000	95	553403	12.5	14.6	
	75 2,4,5-Trichlorophenol	196	6.151	6.151	0.000	93	604594	12.5	14.2	
$	76 2-Fluorobiphenyl (Surr)	172	6.172	6.172	0.000	100	3931286	25.0	26.3	
	77 Isosafrole Peak 2	162	6.236	6.236	0.000	89	707228	10.5	10.7	
	79 1,1'-Biphenyl	154	6.263	6.263	0.000	96	2116304	12.5	12.6	
	80 2-Chloronaphthalene	162	6.274	6.274	0.000	96	1561892	12.5	12.1	
	81 1-Chloronaphthalene	162	6.290	6.290	0.000	98	1707521	12.5	13.7	
	82 Phenyl ether	170	6.365	6.365	0.000	91	1129147	12.5	13.1	
	83 2-Nitroaniline	138	6.386	6.386	0.000	76	574186	12.5	13.8	
	84 1,4-Naphthoquinone	158	6.450	6.450	0.000	83	678292	12.5	13.1	
	85 1,4-Dinitrobenzene	168	6.525	6.525	0.000	87	288687	12.5	15.1	
	86 Dimethyl phthalate	163	6.568	6.568	0.000	97	1950406	12.5	12.7	
	87 1,3-Dinitrobenzene	168	6.589	6.589	0.000	83	328210	12.5	15.0	
	88 2,6-Dinitrotoluene	165	6.621	6.621	0.000	89	446121	12.5	14.0	
	90 Acenaphthylene	152	6.659	6.659	0.000	99	2737229	12.5	13.8	
	91 3-Nitroaniline	138	6.776	6.776	0.000	88	504362	12.5	13.4	
*	92 Acenaphthene-d10	164	6.792	6.792	0.000	94	551479	5.00	5.00	s
	93 Acenaphthene	153	6.825	6.825	0.000	97	1723945	12.5	12.8	
	94 2,4-Dinitrophenol	184	6.878	6.878	0.000	79	505305	25.0	30.1	
	98 Pentachlorobenzene	250	6.953	6.953	0.000	98	717800	12.5	12.4	
	100 Dibenzofuran	168	6.990	6.990	0.000	98	2414502	12.5	12.7	
	99 2,4-Dinitrotoluene	165	7.001	7.001	0.000	88	614005	12.5	13.6	
	96 4-Nitrophenol	109	7.012	7.012	0.000	88	521998	25.0	20.8	
	101 1-Naphthylamine	143	7.071	7.071	0.000	99	1509042	12.5	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.081	7.081	0.000	72	376902	12.5	10.7	
103 2-Naphthylamine	143	7.145	7.145	0.000	96	1722461	12.5	11.6	
104 Diethyl phthalate	149	7.242	7.242	0.000	97	1968905	12.5	12.7	
106 Thionazin	107	7.317	7.317	0.000	55	385773	12.5	11.5	
105 Fluorene	166	7.317	7.317	0.000	92	1953209	12.5	12.8	
108 4-Chlorophenyl phenyl ether	204	7.327	7.327	0.000	95	943470	12.5	13.2	
107 N-Nitro-o-toluidine	152	7.338	7.338	0.000	89	574350	12.5	13.2	
109 4-Nitroaniline	138	7.354	7.354	0.000	83	501148	12.5	12.6	
110 4,6-Dinitro-2-methylphenol	198	7.381	7.381	0.000	74	657820	25.0	31.6	
111 N-Nitrosodiphenylamine	169	7.445	7.445	0.000	98	1409550	10.6	11.8	
112 1,2-Diphenylhydrazine	77	7.477	7.477	0.000	98	2713335	12.5	11.6	
$ 113 2,4,6-Tribromophenol	330	7.547	7.547	0.000	94	531959	25.0	22.6	
114 Sulfotepp	97	7.616	7.616	0.000	77	427312	12.5	11.8	
115 cis-Diallate	86	7.723	7.723	0.000	88	819202	9.25	7.93	
175 1,3,5-Trinitrobenzene	213	7.728	7.728	0.000	83	213496	12.5	16.1	
116 Phorate	75	7.728	7.728	0.000	94	2445175	12.5	16.2	
117 Phenacetin	108	7.755	7.755	0.000	92	1113276	12.5	11.9	
118 4-Bromophenyl phenyl ether	248	7.787	7.787	0.000	73	523656	12.5	13.2	
119 trans-Diallate	86	7.803	7.803	0.000	94	290616	3.25	2.89	
120 Hexachlorobenzene	284	7.825	7.825	0.000	94	582368	12.5	12.1	
121 Dimethoate	87	7.889	7.889	0.000	97	1078245	12.5	12.1	
122 Atrazine	200	7.964	7.964	0.000	86	534481	12.5	13.5	
123 Pentachlorophenol	266	8.028	8.028	0.000	84	573188	25.0	22.9	
125 Pentachloronitrobenzene	237	8.028	8.028	0.000	65	257777	12.5	12.9	
124 4-Aminobiphenyl	169	8.033	8.033	0.000	91	2118916	12.5	12.3	
126 Pronamide	173	8.108	8.108	0.000	90	901490	12.5	13.4	
* 127 Phenanthrene-d10	188	8.194	8.194	0.000	97	1006901	5.00	5.00	s
128 Dinoseb	211	8.215	8.215	0.000	94	481142	12.5	14.7	
129 Phenanthrene	178	8.215	8.215	0.000	98	2810799	12.5	12.9	
68 Disulfoton	88	8.226	8.226	0.000	96	1668426	12.5	10.3	
130 Anthracene	178	8.263	8.263	0.000	98	2913425	12.5	13.4	
131 Carbazole	167	8.429	8.429	0.000	96	2611378	12.5	13.1	
132 Methyl parathion	109	8.574	8.574	0.000	90	793806	12.5	13.4	
133 Di-n-butyl phthalate	149	8.793	8.793	0.000	99	3279303	12.5	13.8	
134 Ethyl Parathion	109	8.948	8.948	0.000	82	481075	12.5	13.2	
135 4-Nitroquinoline-1-oxide	190	8.959	8.959	0.000	93	221403	12.5	11.2	
136 Octachlorostyrene	308	9.167	9.167	0.000	93	207038	12.5	11.0	
137 Isodrin	193	9.189	9.189	0.000	89	344113	12.5	12.6	
138 Fluoranthene	202	9.338	9.338	0.000	98	3061123	12.5	13.7	
139 Benzidine	184	9.493	9.493	0.000	100	5764684	37.5	37.8	
* 140 Pyrene-d10 (IS)	212	9.531	9.531	0.000	97	1031528	5.00	5.00	s
141 Pyrene	202	9.547	9.547	0.000	97	3162406	12.5	12.4	
S 63 Diallate	86				0		12.5	10.8	
$ 142 p-Terphenyl-d14	244	9.723	9.723	0.000	99	4225555	25.0	24.3	
143 p-Dimethylamino azobenzene	225	9.857	9.857	0.000	94	549511	12.5	13.4	
144 Chlorobenzilate	139	9.911	9.911	0.000	87	953258	12.5	12.1	
95 Famphur	218	10.146	10.146	0.000	86	798136	12.5	11.5	
145 3,3'-Dimethylbenzidine	212	10.183	10.183	0.000	99	1747888	12.5	13.4	
146 Butyl benzyl phthalate	149	10.210	10.210	0.000	95	1425144	12.5	12.6	
147 2-Acetylaminofluorene	181	10.430	10.430	0.000	94	1108877	12.5	13.0	
148 3,3'-Dichlorobenzidine	252	10.724	10.724	0.000	76	1018551	12.5	12.2	
149 Benzo[a]anthracene	228	10.724	10.724	0.000	99	2698649	12.5	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
150 4,4'-Methylene bis(2-chloroanil	231	10.734	10.734	0.000	95	578060	12.5	13.5	
151 Chrysene	228	10.761	10.761	0.000	98	2612592	12.5	12.3	
152 Bis(2-ethylhexyl) phthalate	149	10.831	10.831	0.000	94	1915940	12.5	12.3	
153 6-Methylchrysene	242	11.264	11.264	0.000	100	1746778	12.5	11.6	
S 89 Aramite, Total	185		11.583				12.5	ND	7
154 Di-n-octyl phthalate	149	11.590	11.590	0.000	98	3078146	12.5	15.2	
156 7,12-Dimethylbenz(a)anthracene	256	11.959	11.959	0.000	71	1042267	12.5	12.5	
155 Benzo[b]fluoranthene	252	11.959	11.959	0.000	97	2404572	12.5	13.6	
157 Benzo[k]fluoranthene	252	11.991	11.991	0.000	99	2571052	12.5	13.8	
158 Benzo[a]pyrene	252	12.360	12.360	0.000	79	2090008	12.5	14.0	
* 159 Perylene-d12	264	12.435	12.435	0.000	97	731607	5.00	5.00	s
160 3-Methylcholanthrene	268	12.836	12.836	0.000	92	1139175	12.5	13.2	
161 Dibenz[a,h]acridine	279	13.564	13.564	0.000	92	1603745	12.5	13.5	
162 Dibenz[a,j]acridine	279	13.628	13.628	0.000	96	1908320	12.5	13.2	
163 Indeno[1,2,3-cd]pyrene	276	13.847	13.847	0.000	98	1822375	12.5	13.8	
164 Dibenz(a,h)anthracene	278	13.890	13.890	0.000	93	2094005	12.5	13.8	
165 Benzo[g,h,i]perylene	276	14.195	14.195	0.000	97	2103282	12.5	13.1	
S 166 Isosafrole	162				0		12.5	12.8	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

s - Failed ISTD Recovery Test

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_6_00043 Amount Added: 1.00 Units: mL

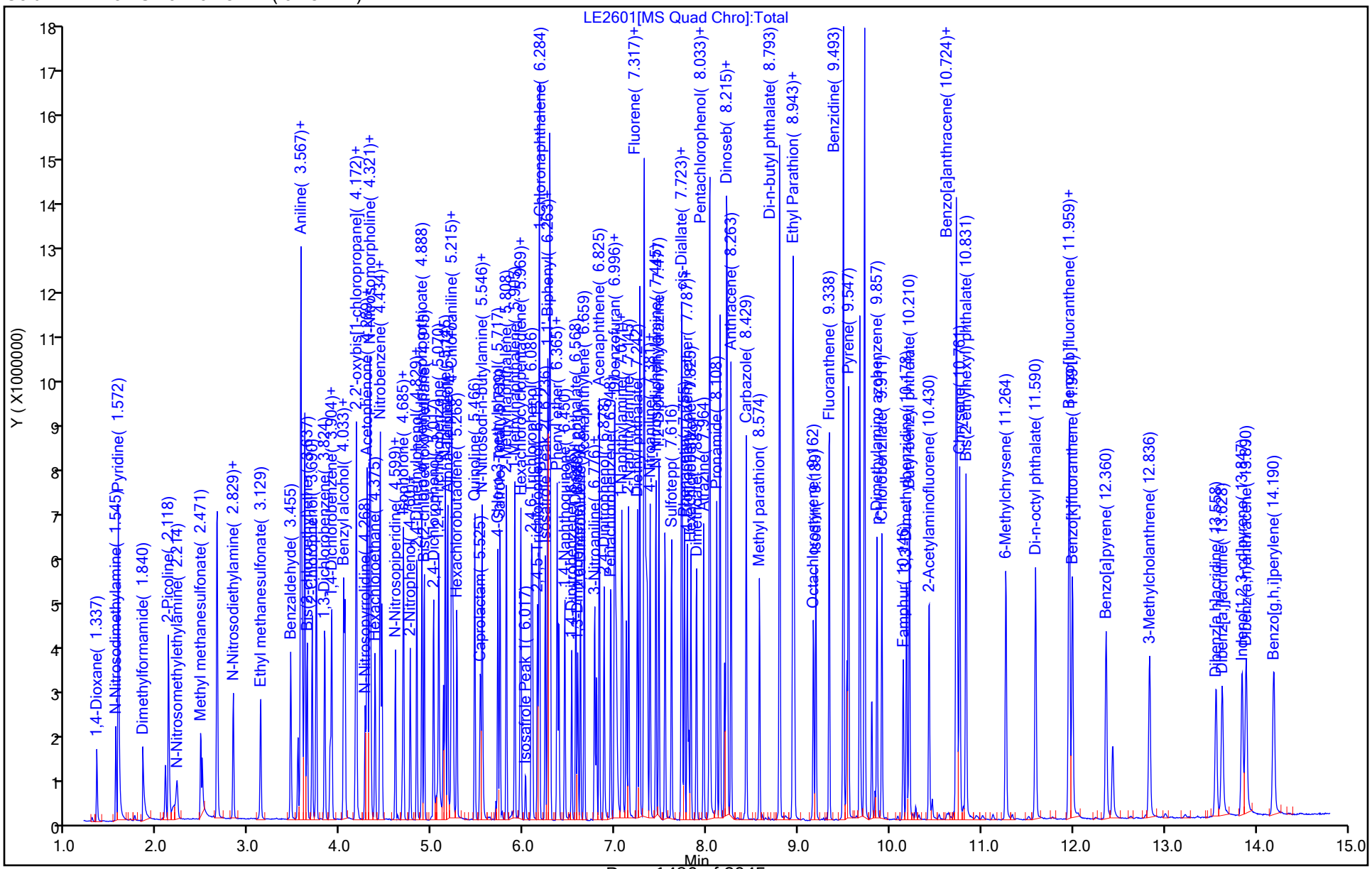
Report Date: 26-May-2023 21:09:05 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2601.D

Injection Date:	26-May-2023 09:37:17	Instrument ID:	HP20296	Operator ID:	msl46741
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



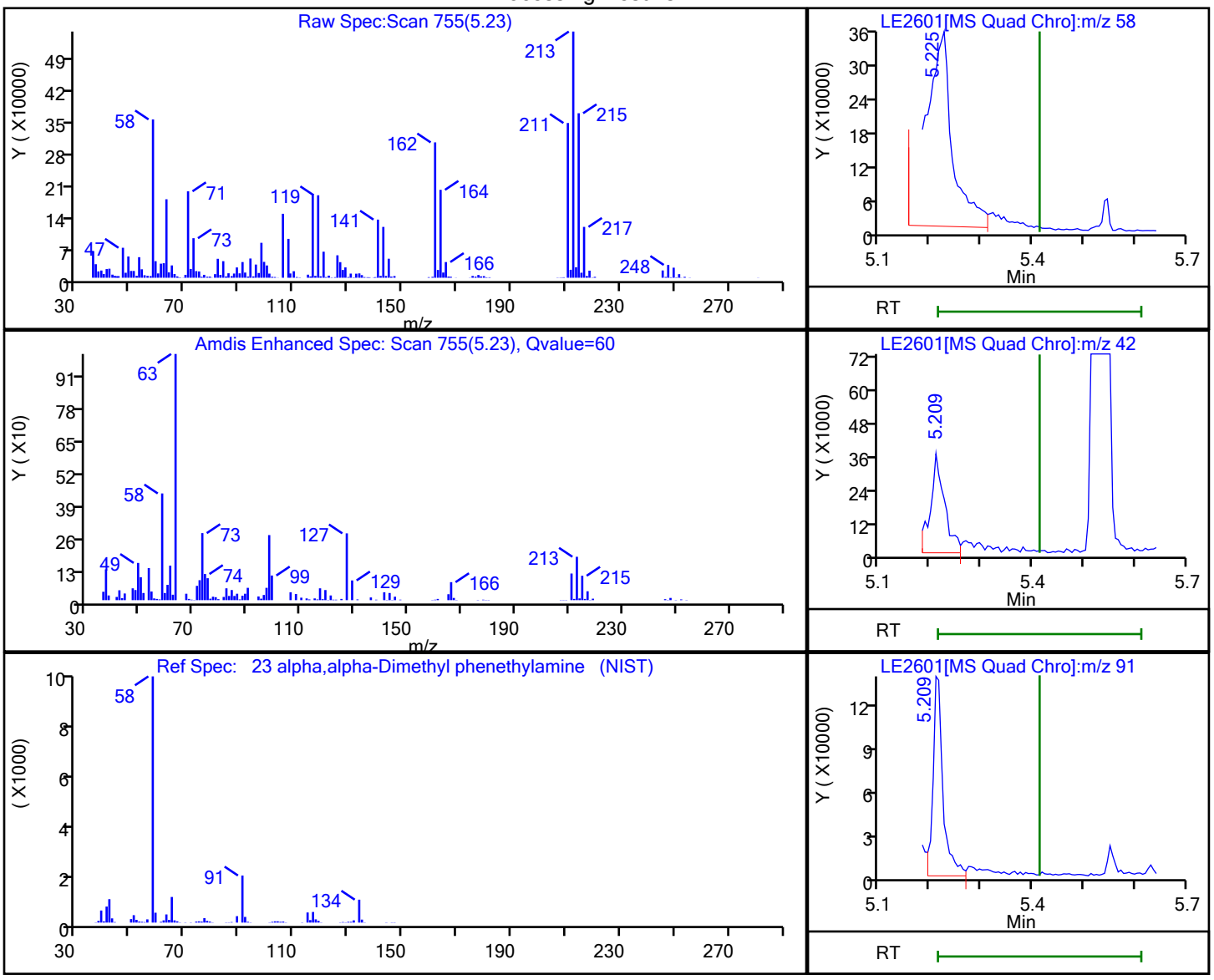
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2601.D				
Injection Date:	26-May-2023 09:37:17	Instrument ID:	HP20296		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	msl46741	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

23 alpha,alpha-Dimethyl phenethylamine, CAS: 122-09-8

Processing Results



RT	Mass	Response	Amount
5.23	58.00	1284391	10.970901
5.21	42.00	69294	
5.21	91.00	178982	
5.23	115.00	11397	
5.22	134.00	21282	

Reviewer: AH7C, 26-May-2023 10:22:02 -04:00:00 (UTC)

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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-380338/2 Calibration Date: 05/26/2023 09:37

Instrument ID: HP20296 Calib Start Date: 04/02/2023 14:08

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 04/02/2023 15:49

Lab File ID: LE2601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Ave	0.3355	0.3095		12.0	12.5	-7.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2601.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-May-2023 09:37:17 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: msl46741 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub23

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 21:09:04 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 21:09:04

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	1.337	1.337	0.000	94	422610	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.545	1.545	0.000	96	732433	12.5	11.1	
3 Pyridine	79	1.572	1.572	0.000	89	2249554	25.0	21.5	
4 Dimethylformamide	73	1.840	1.840	0.000	97	776746	12.5	10.8	
5 2-Picoline	93	2.118	2.118	0.000	94	1103581	12.5	10.4	
6 N-Nitrosomethylethylamine	88	2.214	2.214	0.000	96	505450	12.5	10.0	
9 Methyl methanesulfonate	80	2.471	2.471	0.000	85	590786	12.5	9.56	
$ 10 2-Fluorophenol	112	2.653	2.653	0.000	98	1688551	25.0	23.3	
11 N-Nitrosodiethylamine	102	2.829	2.829	0.000	87	489285	12.5	11.0	
13 Ethyl methanesulfonate	109	3.129	3.129	0.000	97	533442	12.5	11.4	
15 Benzaldehyde	77	3.455	3.455	0.000	92	739526	12.5	8.80	
18 Aniline	93	3.562	3.562	0.000	97	1671371	12.5	11.6	
$ 16 Phenol-d5	99	3.567	3.567	0.000	98	2699976	25.0	24.3	
17 Phenol	94	3.583	3.583	0.000	89	1416634	12.5	12.3	
19 Bis(2-chloroethyl)ether	93	3.637	3.637	0.000	90	1093311	12.5	11.4	
20 2-Chlorophenol	128	3.690	3.690	0.000	92	861119	12.5	13.4	
22 1,3-Dichlorobenzene	146	3.824	3.824	0.000	95	895979	12.5	13.0	
* 24 1,4-Dichlorobenzene-d4	152	3.888	3.888	0.000	97	227522	5.00	5.00	s
25 1,4-Dichlorobenzene	146	3.904	3.904	0.000	91	935428	12.5	13.1	
27 Benzyl alcohol	108	4.033	4.033	0.000	90	664040	12.5	11.6	
29 1,2-Dichlorobenzene	146	4.049	4.049	0.000	96	905703	12.5	13.5	
32 2,2'-oxybis[1-chloropropane]	45	4.166	4.166	0.000	94	1902111	12.5	14.5	
31 2-Methylphenol	108	4.172	4.172	0.000	97	924814	12.5	12.2	
34 N-Nitrosopyrrolidine	100	4.268	4.268	0.000	91	590815	12.5	11.5	
35 Acetophenone	105	4.289	4.289	0.000	92	1455907	12.5	11.4	
37 N-Nitrosodi-n-propylamine	70	4.295	4.295	0.000	83	904636	12.5	11.0	
38 N-Nitrosomorpholine	56	4.311	4.311	0.000	89	881658	12.5	12.7	
39 2-Toluidine	106	4.321	4.321	0.000	85	1645468	12.5	11.8	
36 4-Methylphenol	108	4.327	4.327	0.000	84	1090631	12.5	13.4	
40 Hexachloroethane	117	4.375	4.375	0.000	97	399301	12.5	12.3	
$ 41 Nitrobenzene-d5	82	4.434	4.434	0.000	90	2451291	25.0	22.2	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 Nitrobenzene	77	4.450	4.450	0.000	90	1221937	12.5	11.1	
	44 N-Nitrosopiperidine	114	4.599	4.599	0.000	84	498831	12.5	12.3	
	46 Isophorone	82	4.685	4.685	0.000	98	2346407	12.5	11.4	
	47 2-Nitrophenol	139	4.760	4.760	0.000	94	457855	12.5	14.6	
	48 2,4-Dimethylphenol	107	4.829	4.829	0.000	99	1002643	12.5	11.8	
	49 o,o',o''-Triethylphosphorothioat	198	4.888	4.888	0.000	91	463625	12.5	13.6	
	51 Bis(2-chloroethoxy)methane	93	4.915	4.915	0.000	93	1413939	12.5	11.9	
	52 2,4-Dichlorophenol	162	5.017	5.017	0.000	98	750053	12.5	14.5	
	54 1,2,4-Trichlorobenzene	180	5.070	5.070	0.000	94	798475	12.5	13.9	
*	55 Naphthalene-d8	136	5.124	5.124	0.000	99	940852	5.00	5.00	s
	56 Naphthalene	128	5.145	5.145	0.000	98	2560245	12.5	12.7	
	26 Alpha-Terpineol	59	5.172	5.172	0.000	90	1217306	12.5	13.4	
	57 4-Chloroaniline	127	5.209	5.209	0.000	93	1145962	12.5	13.1	
	58 2,6-Dichlorophenol	162	5.220	5.220	0.000	93	758271	12.5	14.5	
	59 Hexachloropropene	213	5.231	5.231	0.000	88	535735	12.5	13.6	
	60 Hexachlorobutadiene	225	5.268	5.268	0.000	96	449933	12.5	13.7	
	23 alpha,alpha-Dimethyl phenethylam	58		5.413				ND	ND	U
	62 Quinoline	129	5.466	5.466	0.000	94	1741436	12.5	12.5	
	64 Caprolactam	113	5.530	5.530	0.000	75	293143	12.5	12.1	
	65 N-Nitrosodi-n-butylamine	84	5.546	5.546	0.000	94	1087548	12.5	12.2	
	33 p-Phenylene diamine	108	5.552	5.552	0.000	94	514906	12.5	5.98	
	66 4-Chloro-3-methylphenol	107	5.717	5.717	0.000	95	920967	12.5	12.1	
	67 Safrole, Total	162	5.739	5.739	0.000	87	686979	12.5	13.7	
	69 2-Methylnaphthalene	142	5.808	5.808	0.000	92	1671297	12.5	13.8	
	70 1-Methylnaphthalene	142	5.905	5.905	0.000	94	1575565	12.5	12.6	
	71 Hexachlorocyclopentadiene	237	5.963	5.963	0.000	97	388581	12.5	9.02	
	72 1,2,4,5-Tetrachlorobenzene	216	5.969	5.969	0.000	98	881441	12.5	14.7	
	73 Isosafrole Peak 1	162	6.022	6.022	0.000	89	123176	2.00	2.12	
	74 2,4,6-Trichlorophenol	196	6.097	6.097	0.000	95	553403	12.5	14.6	
	75 2,4,5-Trichlorophenol	196	6.151	6.151	0.000	93	604594	12.5	14.2	
$	76 2-Fluorobiphenyl (Surr)	172	6.172	6.172	0.000	100	3931286	25.0	26.3	
	77 Isosafrole Peak 2	162	6.236	6.236	0.000	89	707228	10.5	10.7	
	79 1,1'-Biphenyl	154	6.263	6.263	0.000	96	2116304	12.5	12.6	
	80 2-Chloronaphthalene	162	6.274	6.274	0.000	96	1561892	12.5	12.1	
	81 1-Chloronaphthalene	162	6.290	6.290	0.000	98	1707521	12.5	13.7	
	82 Phenyl ether	170	6.365	6.365	0.000	91	1129147	12.5	13.1	
	83 2-Nitroaniline	138	6.386	6.386	0.000	76	574186	12.5	13.8	
	84 1,4-Naphthoquinone	158	6.450	6.450	0.000	83	678292	12.5	13.1	
	85 1,4-Dinitrobenzene	168	6.525	6.525	0.000	87	288687	12.5	15.1	
	86 Dimethyl phthalate	163	6.568	6.568	0.000	97	1950406	12.5	12.7	
	87 1,3-Dinitrobenzene	168	6.589	6.589	0.000	83	328210	12.5	15.0	
	88 2,6-Dinitrotoluene	165	6.621	6.621	0.000	89	446121	12.5	14.0	
	90 Acenaphthylene	152	6.659	6.659	0.000	99	2737229	12.5	13.8	
	91 3-Nitroaniline	138	6.776	6.776	0.000	88	504362	12.5	13.4	
*	92 Acenaphthene-d10	164	6.792	6.792	0.000	94	551479	5.00	5.00	s
	93 Acenaphthene	153	6.825	6.825	0.000	97	1723945	12.5	12.8	
	94 2,4-Dinitrophenol	184	6.878	6.878	0.000	79	505305	25.0	30.1	
	98 Pentachlorobenzene	250	6.953	6.953	0.000	98	717800	12.5	12.4	
	100 Dibenzofuran	168	6.990	6.990	0.000	98	2414502	12.5	12.7	
	99 2,4-Dinitrotoluene	165	7.001	7.001	0.000	88	614005	12.5	13.6	
	96 4-Nitrophenol	109	7.012	7.012	0.000	88	521998	25.0	20.8	
	101 1-Naphthylamine	143	7.071	7.071	0.000	99	1509042	12.5	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.081	7.081	0.000	72	376902	12.5	10.7	
103 2-Naphthylamine	143	7.145	7.145	0.000	96	1722461	12.5	11.6	
104 Diethyl phthalate	149	7.242	7.242	0.000	97	1968905	12.5	12.7	
106 Thionazin	107	7.317	7.317	0.000	55	385773	12.5	11.5	
105 Fluorene	166	7.317	7.317	0.000	92	1953209	12.5	12.8	
108 4-Chlorophenyl phenyl ether	204	7.327	7.327	0.000	95	943470	12.5	13.2	
107 N-Nitro-o-toluidine	152	7.338	7.338	0.000	89	574350	12.5	13.2	
109 4-Nitroaniline	138	7.354	7.354	0.000	83	501148	12.5	12.6	
110 4,6-Dinitro-2-methylphenol	198	7.381	7.381	0.000	74	657820	25.0	31.6	
111 N-Nitrosodiphenylamine	169	7.445	7.445	0.000	98	1409550	10.6	11.8	
112 1,2-Diphenylhydrazine	77	7.477	7.477	0.000	98	2713335	12.5	11.6	
$ 113 2,4,6-Tribromophenol	330	7.547	7.547	0.000	94	531959	25.0	22.6	
114 Sulfotepp	97	7.616	7.616	0.000	77	427312	12.5	11.8	
115 cis-Diallate	86	7.723	7.723	0.000	88	819202	9.25	7.93	
175 1,3,5-Trinitrobenzene	213	7.728	7.728	0.000	83	213496	12.5	16.1	
116 Phorate	75	7.728	7.728	0.000	94	2445175	12.5	16.2	
117 Phenacetin	108	7.755	7.755	0.000	92	1113276	12.5	11.9	
118 4-Bromophenyl phenyl ether	248	7.787	7.787	0.000	73	523656	12.5	13.2	
119 trans-Diallate	86	7.803	7.803	0.000	94	290616	3.25	2.89	
120 Hexachlorobenzene	284	7.825	7.825	0.000	94	582368	12.5	12.1	
121 Dimethoate	87	7.889	7.889	0.000	97	1078245	12.5	12.1	
122 Atrazine	200	7.964	7.964	0.000	86	534481	12.5	13.5	
123 Pentachlorophenol	266	8.028	8.028	0.000	84	573188	25.0	22.9	
125 Pentachloronitrobenzene	237	8.028	8.028	0.000	65	257777	12.5	12.9	
124 4-Aminobiphenyl	169	8.033	8.033	0.000	91	2118916	12.5	12.3	
126 Pronamide	173	8.108	8.108	0.000	90	901490	12.5	13.4	
* 127 Phenanthrene-d10	188	8.194	8.194	0.000	97	1006901	5.00	5.00	s
128 Dinoseb	211	8.215	8.215	0.000	94	481142	12.5	14.7	
129 Phenanthrene	178	8.215	8.215	0.000	98	2810799	12.5	12.9	
68 Disulfoton	88	8.226	8.226	0.000	96	1668426	12.5	10.3	
130 Anthracene	178	8.263	8.263	0.000	98	2913425	12.5	13.4	
131 Carbazole	167	8.429	8.429	0.000	96	2611378	12.5	13.1	
132 Methyl parathion	109	8.574	8.574	0.000	90	793806	12.5	13.4	
133 Di-n-butyl phthalate	149	8.793	8.793	0.000	99	3279303	12.5	13.8	
134 Ethyl Parathion	109	8.948	8.948	0.000	82	481075	12.5	13.2	
135 4-Nitroquinoline-1-oxide	190	8.959	8.959	0.000	93	221403	12.5	11.2	
136 Octachlorostyrene	308	9.167	9.167	0.000	93	207038	12.5	11.0	
137 Isodrin	193	9.189	9.189	0.000	89	344113	12.5	12.6	
138 Fluoranthene	202	9.338	9.338	0.000	98	3061123	12.5	13.7	
139 Benzidine	184	9.493	9.493	0.000	100	5764684	37.5	37.8	
* 140 Pyrene-d10 (IS)	212	9.531	9.531	0.000	97	1031528	5.00	5.00	s
141 Pyrene	202	9.547	9.547	0.000	97	3162406	12.5	12.4	
S 63 Diallate	86				0		12.5	10.8	
$ 142 p-Terphenyl-d14	244	9.723	9.723	0.000	99	4225555	25.0	24.3	
143 p-Dimethylamino azobenzene	225	9.857	9.857	0.000	94	549511	12.5	13.4	
144 Chlorobenzilate	139	9.911	9.911	0.000	87	953258	12.5	12.1	
95 Famphur	218	10.146	10.146	0.000	86	798136	12.5	11.5	
145 3,3'-Dimethylbenzidine	212	10.183	10.183	0.000	99	1747888	12.5	13.4	
146 Butyl benzyl phthalate	149	10.210	10.210	0.000	95	1425144	12.5	12.6	
147 2-Acetylaminofluorene	181	10.430	10.430	0.000	94	1108877	12.5	13.0	
148 3,3'-Dichlorobenzidine	252	10.724	10.724	0.000	76	1018551	12.5	12.2	
149 Benzo[a]anthracene	228	10.724	10.724	0.000	99	2698649	12.5	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
150 4,4'-Methylene bis(2-chloroanil	231	10.734	10.734	0.000	95	578060	12.5	13.5	
151 Chrysene	228	10.761	10.761	0.000	98	2612592	12.5	12.3	
152 Bis(2-ethylhexyl) phthalate	149	10.831	10.831	0.000	94	1915940	12.5	12.3	
153 6-Methylchrysene	242	11.264	11.264	0.000	100	1746778	12.5	11.6	
S 89 Aramite, Total	185		11.583				12.5	ND	7
154 Di-n-octyl phthalate	149	11.590	11.590	0.000	98	3078146	12.5	15.2	
156 7,12-Dimethylbenz(a)anthracene	256	11.959	11.959	0.000	71	1042267	12.5	12.5	
155 Benzo[b]fluoranthene	252	11.959	11.959	0.000	97	2404572	12.5	13.6	
157 Benzo[k]fluoranthene	252	11.991	11.991	0.000	99	2571052	12.5	13.8	
158 Benzo[a]pyrene	252	12.360	12.360	0.000	79	2090008	12.5	14.0	
* 159 Perylene-d12	264	12.435	12.435	0.000	97	731607	5.00	5.00	s
160 3-Methylcholanthrene	268	12.836	12.836	0.000	92	1139175	12.5	13.2	
161 Dibenz[a,h]acridine	279	13.564	13.564	0.000	92	1603745	12.5	13.5	
162 Dibenz[a,j]acridine	279	13.628	13.628	0.000	96	1908320	12.5	13.2	
163 Indeno[1,2,3-cd]pyrene	276	13.847	13.847	0.000	98	1822375	12.5	13.8	
164 Dibenz(a,h)anthracene	278	13.890	13.890	0.000	93	2094005	12.5	13.8	
165 Benzo[g,h,i]perylene	276	14.195	14.195	0.000	97	2103282	12.5	13.1	
S 166 Isosafrole	162				0		12.5	12.8	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

s - Failed ISTD Recovery Test

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_6_00043 Amount Added: 1.00 Units: mL

Report Date: 26-May-2023 21:09:05 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2601.D

Injection Date: 26-May-2023 09:37:17 Instrument ID: HP20296 Operator ID: msl46741

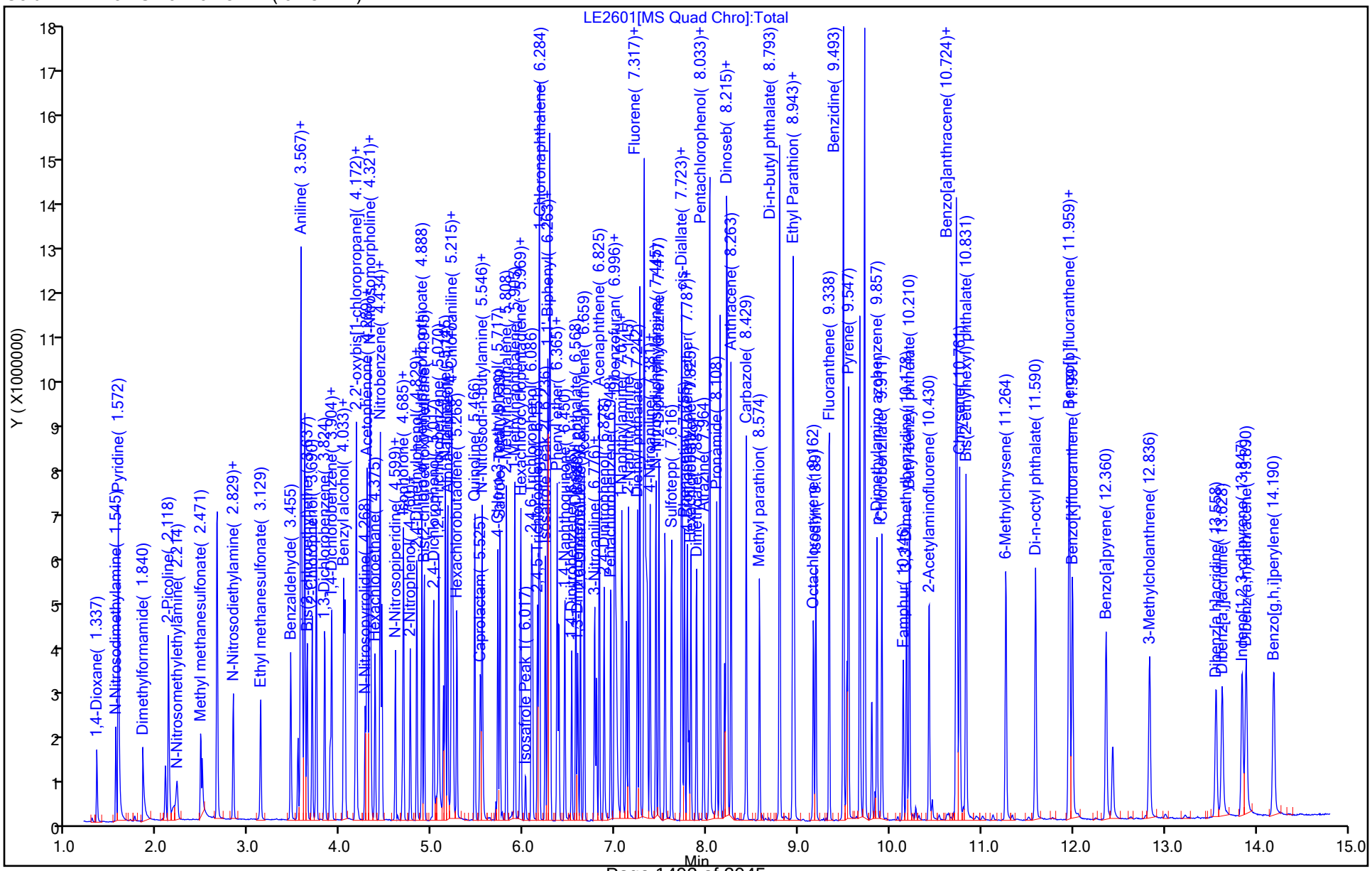
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2310.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 23-Mar-2023 13:13:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0079683-001
Operator ID: em10340 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 23-Mar-2023 17:58:42 Calib Date: 23-Mar-2023 16:08:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2318.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: W6XI Date: 23-Mar-2023 13:29:06

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	4.759	4.759	0.000	91	155241	NR	NR	
57 Benzidine_T	184	6.024	6.024	0.000	99	880831	NR	NR	
243 DFTPP									
244 4,4'-DDE	246		6.186					ND	
245 4,4'-DDD	235		6.504					ND	
246 4,4'-DDT	235	6.729	6.729	0.000	97	372761	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

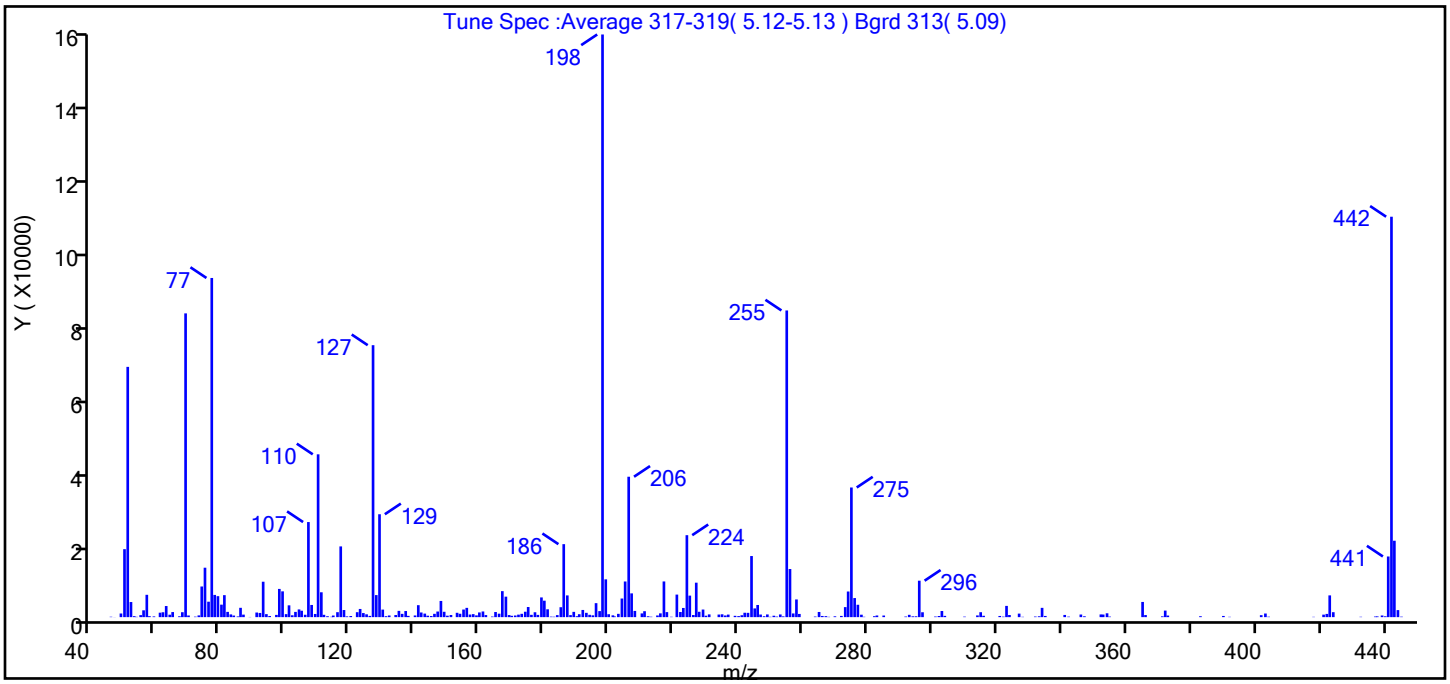
MSS_RVDFTPP_00012 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2310.D
Injection Date: 23-Mar-2023 13:13:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 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 (145.5)
51	10-80% of the base peak	43.0
68	<2% of mass 69	0.8 (1.6)
69	Present	52.1
70	<2% of mass 69	0.3 (0.5)
127	10-80% of the base peak	46.7
197	<2% of mass 198	1.0
199	5-9% of mass 198	6.5
275	10-60% of the base peak	22.3
365	>1% of mass 198	2.6
441	present but <24% of mass 442	10.4 (15.1)
442	base peak, or >50% of 198	68.7
443	15-24% of mass 442	13.1 (19.1)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2310.D\MSSemi_HP19760.rslt\spectra.c
Injection Date: 23-Mar-2023 13:13:30
Spectrum: Tune Spec :Average 317-319(5.12-5.13) Bgrd 313(5.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
46.00	106	122.00	1317	193.00	1150	273.00	2669
47.00	23	123.00	2180	194.00	620	274.00	6830
49.00	972	124.00	1087	195.00	480	275.00	34536
50.00	18104	125.00	750	196.00	3726	276.00	5083
51.00	66664	126.00	331	197.00	1608	277.00	3295
52.00	4024	127.00	72440	198.00	155200	278.00	651
53.00	257	128.00	5873	199.00	10071	279.00	96
54.00	86	129.00	27408	200.00	776	282.00	247
55.00	531	130.00	2009	201.00	482	283.00	442
56.00	1818	131.00	252	202.00	202	285.00	429
57.00	5949	132.00	442	203.00	882	292.00	159
58.00	259	133.00	8	204.00	4961	293.00	619
59.00	192	134.00	559	205.00	9498	294.00	215
61.00	1186	135.00	1670	206.00	37400	295.00	222
62.00	1302	136.00	873	207.00	6331	296.00	9707
63.00	2961	137.00	1625	208.00	1654	297.00	1301
64.00	649	138.00	341	210.00	994	301.00	160
65.00	1353	140.00	447	211.00	1580	302.00	305
67.00	228	141.00	3185	212.00	234	303.00	1633
68.00	1312	142.00	1241	213.00	115	304.00	339
69.00	80912	143.00	940	215.00	445	310.00	134
70.00	441	144.00	384	216.00	1009	314.00	461
72.00	134	145.00	296	217.00	9509	315.00	1316
73.00	462	146.00	882	218.00	1340	316.00	364
74.00	8164	147.00	1493	219.00	104	321.00	313
75.00	13166	148.00	4314	221.00	6006	322.00	130
76.00	4112	149.00	1428	222.00	1363	323.00	2995
77.00	90344	150.00	387	223.00	2447	324.00	568
78.00	5921	151.00	570	224.00	21832	327.00	941
79.00	5589	153.00	1158	225.00	5732	328.00	88
80.00	3327	154.00	901	226.00	563	332.00	159
81.00	5857	155.00	2026	227.00	9179	333.00	231
82.00	1402	156.00	2471	228.00	1429	334.00	2476

Report Date: 23-Mar-2023 17:58:42 Chrom Revision: 2.3 16-Mar-2023 15:40:40
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2310.D\MSSemi_HP19760.rslt\spectra.c
Injection Date: 23-Mar-2023 13:13:30
Spectrum: Tune Spec :Average 317-319(5.12-5.13) Bgrd 313(5.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	728	157.00	694	229.00	2024	335.00	319
84.00	425	158.00	799	230.00	381	341.00	585
85.00	187	159.00	470	231.00	730	342.00	136
86.00	2486	160.00	1249	234.00	689	346.00	698
87.00	672	161.00	1512	235.00	758	347.00	226
89.00	48	162.00	550	236.00	442	352.00	721
91.00	1230	164.00	159	237.00	679	353.00	691
92.00	1115	165.00	1367	239.00	353	354.00	1026
93.00	9436	166.00	921	240.00	277	355.00	147
94.00	801	167.00	6924	241.00	506	365.00	4047
95.00	305	168.00	5458	242.00	1171	366.00	554
97.00	600	169.00	554	243.00	1144	371.00	207
98.00	7518	170.00	357	244.00	16275	372.00	1745
99.00	6871	171.00	435	245.00	2323	373.00	421
100.00	800	172.00	665	246.00	3240	383.00	242
101.00	3145	173.00	886	247.00	694	390.00	316
102.00	496	174.00	1444	248.00	240	392.00	87
103.00	1398	175.00	2698	249.00	720	402.00	522
104.00	2056	176.00	614	250.00	89	403.00	964
105.00	1709	177.00	1302	251.00	379	404.00	121
106.00	633	178.00	600	252.00	152	418.00	83
107.00	25328	179.00	5252	253.00	717	421.00	670
108.00	3244	180.00	4383	254.00	205	422.00	858
109.00	844	181.00	2092	255.00	81688	423.00	5795
110.00	43368	182.00	136	256.00	12820	424.00	1319
111.00	6624	183.00	112	257.00	985	433.00	97
112.00	622	184.00	541	258.00	4713	437.00	159
113.00	243	185.00	2644	259.00	853	438.00	196
114.00	103	186.00	19440	264.00	154	439.00	438
115.00	433	187.00	5789	265.00	1377	440.00	223
116.00	1320	188.00	543	266.00	312	441.00	16157
117.00	18840	189.00	1407	267.00	265	442.00	106656
118.00	1893	190.00	245	268.00	85	443.00	20352
119.00	200	191.00	781	270.00	221	444.00	1876

Report Date: 23-Mar-2023 17:58:42 Chrom Revision: 2.3 16-Mar-2023 15:40:40
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2310.D\MSSemi_HP19760.rslt\spectra.c
Injection Date: 23-Mar-2023 13:13:30
Spectrum: Tune Spec :Average 317-319(5.12-5.13) Bgrd 313(5.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	305	192.00	1914	272.00	329	445.00	127

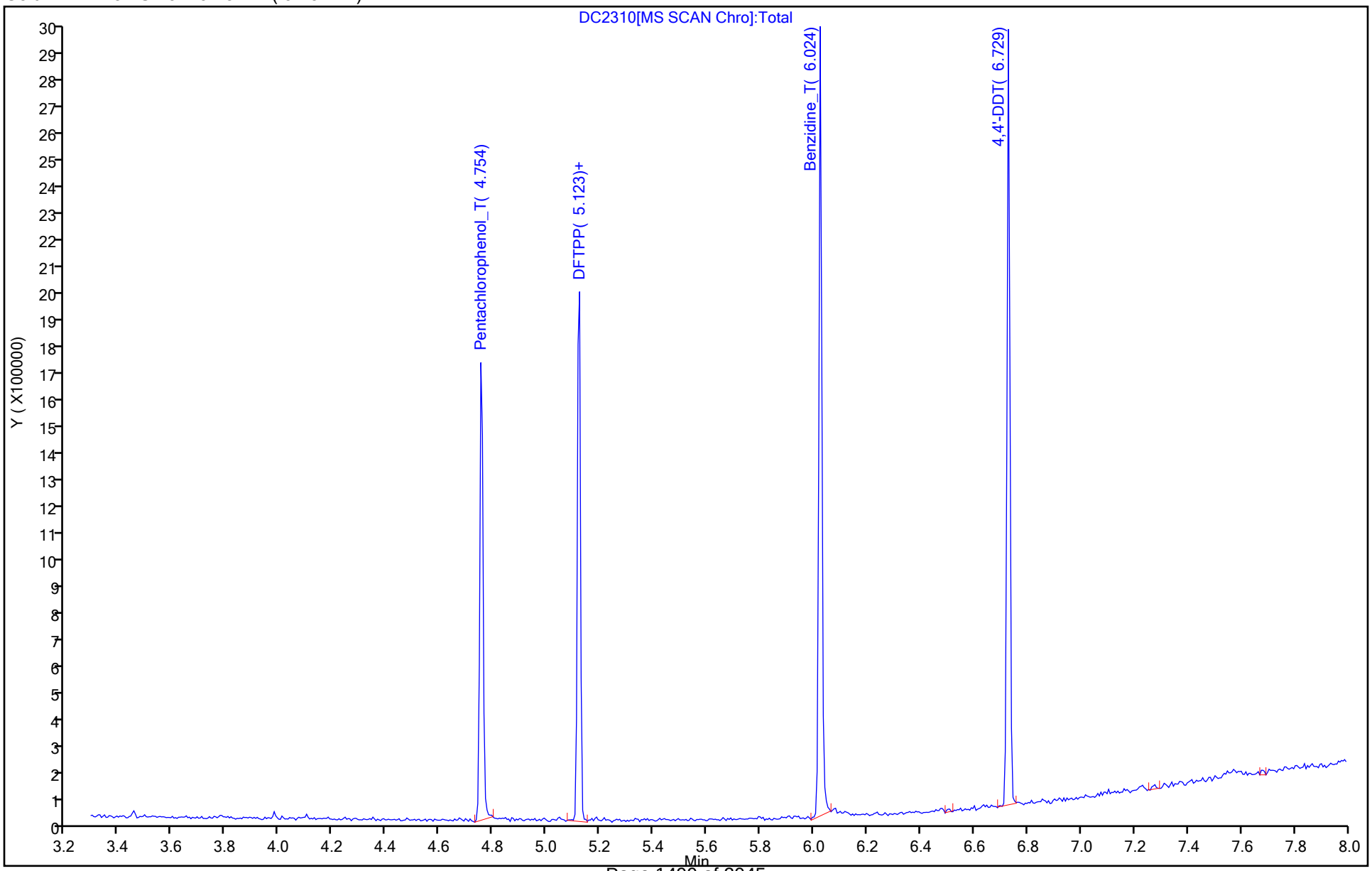
Report Date: 23-Mar-2023 17:58:42 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2310.D

Injection Date:	23-Mar-2023 13:13:30	Instrument ID:	HP19760	Operator ID:	em10340
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\20230323-79683.b\DC2310.D
Injection Date: 23-Mar-2023 13:13:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

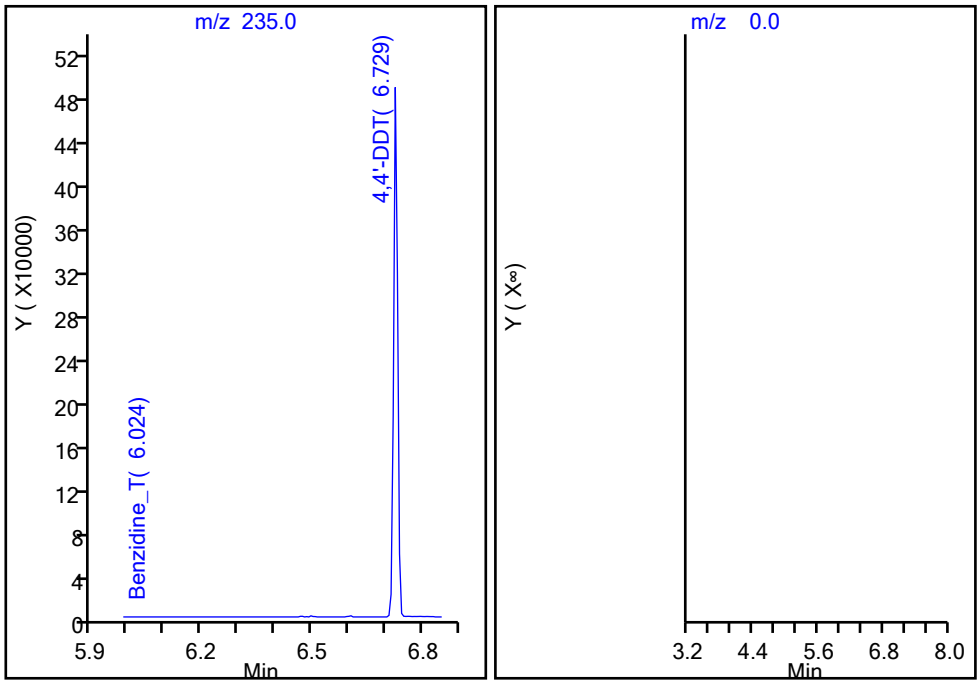
246 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 372761
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

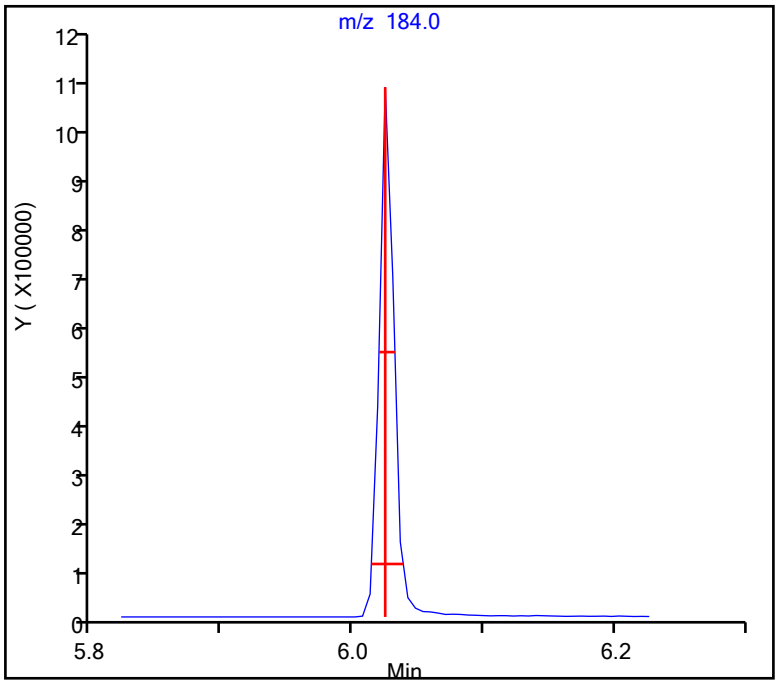
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2310.D
Injection Date: 23-Mar-2023 13:13:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.27, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

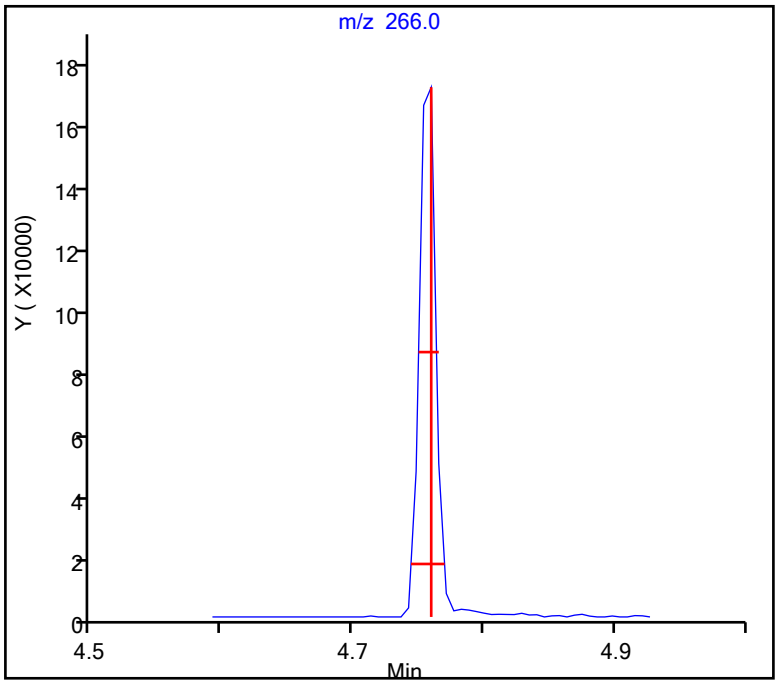
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79683.b\DC2310.D
Injection Date: 23-Mar-2023 13:13:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.67, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79761.b\DC2350.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 23-Mar-2023 19:38:30 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\20230323-79761.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 24-Mar-2023 09:40:27 Calib Date: 24-Mar-2023 01:39:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79761.b\DC2365.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: P7EB Date: 23-Mar-2023 19:53:32

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	4.760	4.760	0.000	90	180146	NR	NR	
57 Benzidine_T	184	6.030	6.030	0.000	99	941798	NR	NR	
243 DFTPP									
244 4,4'-DDE	246		6.186					ND	U
245 4,4'-DDD	235		6.504					ND	U
246 4,4'-DDT	235	6.740	6.740	0.000	97	448906	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

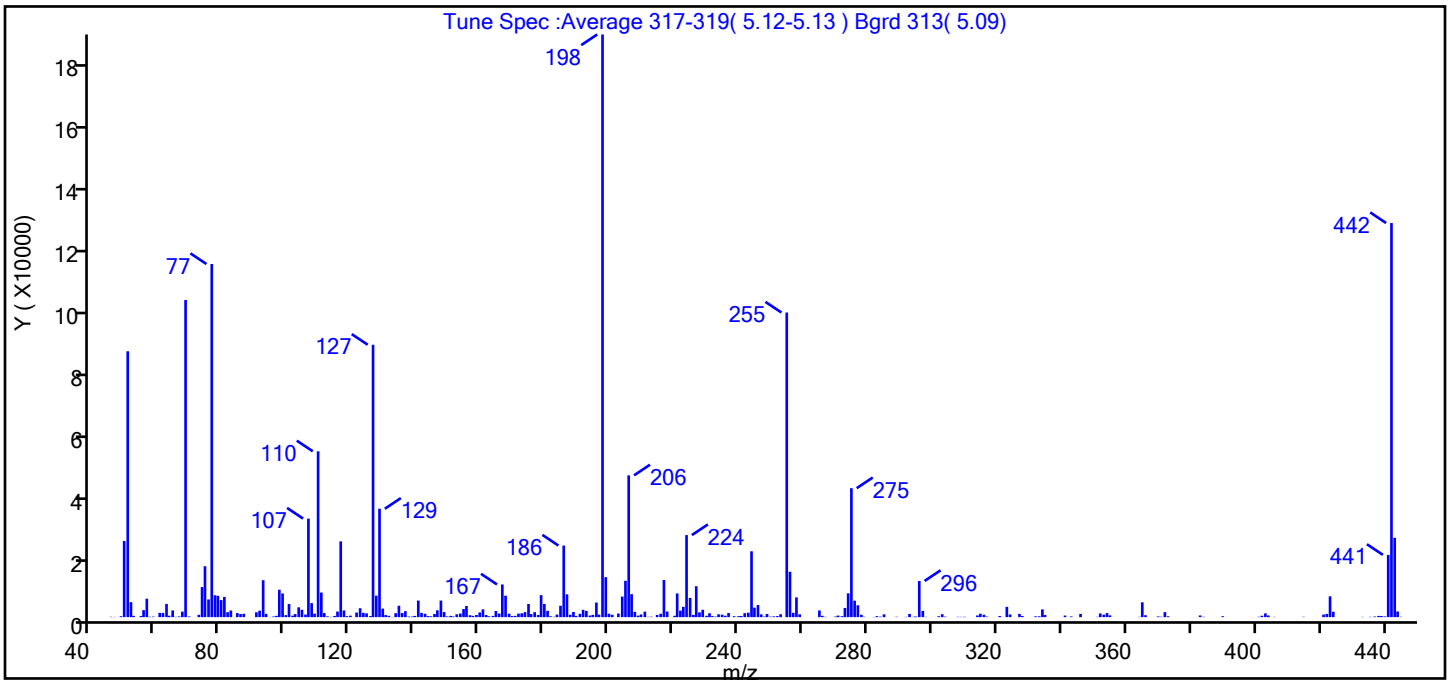
MSS_RVDFTPP_00012 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79761.b\DC2350.D
Injection Date: 23-Mar-2023 19:38:30 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 (147.8)
51	10-80% of the base peak	45.6
68	<2% of mass 69	0.9 (1.7)
69	Present	54.4
70	<2% of mass 69	0.1 (0.2)
127	10-80% of the base peak	46.7
197	<2% of mass 198	0.4
199	5-9% of mass 198	6.9
275	10-60% of the base peak	22.1
365	>1% of mass 198	2.5
441	present but <24% of mass 442	10.7 (15.8)
442	base peak, or >50% of 198	67.6
443	15-24% of mass 442	13.6 (20.1)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79761.b\DC2350.D\MSSemi_HP19760.rslt\spectra.c
Injection Date: 23-Mar-2023 19:38:30
Spectrum: Tune Spec :Average 317-319(5.12-5.13) Bgrd 313(5.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
46.00	111	127.00	87392	198.00	186944	283.00	325
47.00	70	128.00	6902	199.00	12834	284.00	145
49.00	291	129.00	34776	200.00	1087	285.00	897
50.00	24432	130.00	2743	201.00	755	289.00	121
51.00	85304	131.00	664	203.00	1152	292.00	100
52.00	4791	132.00	415	204.00	6601	293.00	1028
53.00	413	133.00	62	205.00	11658	294.00	102
55.00	378	134.00	1266	206.00	45488	295.00	198
56.00	2248	135.00	3653	207.00	7373	296.00	11607
57.00	5916	136.00	1322	208.00	1693	297.00	1989
58.00	127	137.00	1915	209.00	488	298.00	84
59.00	165	138.00	191	210.00	869	302.00	289
61.00	1371	139.00	197	211.00	1767	303.00	949
62.00	1348	140.00	398	212.00	88	304.00	163
63.00	4234	141.00	5313	213.00	143	308.00	101
64.00	463	142.00	1373	215.00	713	309.00	89
65.00	2154	143.00	1071	216.00	1084	310.00	120
66.00	107	144.00	340	217.00	11912	314.00	538
67.00	226	145.00	264	218.00	1791	315.00	1092
68.00	1768	146.00	1008	220.00	432	316.00	777
69.00	101760	147.00	2199	221.00	7605	317.00	191
70.00	216	148.00	5317	222.00	2084	321.00	370
73.00	732	149.00	1620	223.00	3307	323.00	3301
74.00	9654	150.00	232	224.00	26328	324.00	861
75.00	16337	151.00	406	225.00	6171	327.00	1056
76.00	5674	152.00	219	226.00	733	328.00	356
77.00	113296	153.00	914	227.00	9923	332.00	251
78.00	7019	154.00	1158	228.00	1532	333.00	274
79.00	6834	155.00	2604	229.00	2360	334.00	2485
80.00	5482	156.00	3573	230.00	436	335.00	682
81.00	6489	157.00	614	231.00	1250	341.00	513
82.00	1590	158.00	417	232.00	334	343.00	225
83.00	2129	159.00	689	233.00	165	346.00	1030

Report Date: 24-Mar-2023 09:40:28 Chrom Revision: 2.3 16-Mar-2023 15:40:40
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79761.b\DC2350.D\MSSemi_HP19760.rslt\spectra.c
Injection Date: 23-Mar-2023 19:38:30
Spectrum: Tune Spec :Average 317-319(5.12-5.13) Bgrd 313(5.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	1313	160.00	1508	234.00	912	351.00	93
86.00	995	161.00	2497	235.00	804	352.00	1197
87.00	1081	162.00	677	236.00	451	353.00	798
91.00	1549	163.00	288	237.00	1329	354.00	1291
92.00	2073	164.00	389	239.00	298	355.00	575
93.00	11852	165.00	1967	240.00	321	364.00	95
94.00	1050	166.00	1163	241.00	379	365.00	4752
95.00	59	167.00	10483	242.00	1281	366.00	623
96.00	198	168.00	6882	243.00	1428	370.00	228
97.00	425	169.00	1089	244.00	21136	371.00	126
98.00	8802	170.00	354	245.00	3032	372.00	1606
99.00	7593	171.00	423	246.00	3902	373.00	281
100.00	640	172.00	1131	247.00	886	383.00	548
101.00	4218	173.00	1230	248.00	186	384.00	114
102.00	475	174.00	1615	249.00	1007	390.00	297
103.00	981	175.00	4206	250.00	165	401.00	111
104.00	3153	176.00	974	251.00	251	402.00	453
105.00	2369	177.00	1591	252.00	334	403.00	1209
106.00	832	178.00	696	253.00	922	404.00	530
107.00	31624	179.00	7068	255.00	97736	406.00	91
108.00	4493	180.00	4233	256.00	14571	415.00	111
109.00	1108	181.00	2026	257.00	1387	421.00	843
110.00	53208	182.00	288	258.00	6342	422.00	1035
111.00	7881	183.00	121	259.00	912	423.00	6683
112.00	1303	184.00	816	265.00	2150	424.00	1741
113.00	248	185.00	3655	266.00	430	433.00	84
114.00	83	186.00	22968	267.00	104	436.00	105
115.00	395	187.00	7315	270.00	198	437.00	196
116.00	1799	188.00	767	271.00	503	438.00	402
117.00	24320	189.00	1652	272.00	309	439.00	381
118.00	2152	190.00	406	273.00	2947	440.00	225
119.00	316	191.00	1064	274.00	7639	441.00	19976
120.00	472	192.00	2351	275.00	41376	442.00	126448
122.00	1481	193.00	2015	276.00	5290	443.00	25448

Report Date: 24-Mar-2023 09:40:28 Chrom Revision: 2.3 16-Mar-2023 15:40:40
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79761.b\DC2350.D\MSSemi_HP19760.rslt\spectra.c
Injection Date: 23-Mar-2023 19:38:30
Spectrum: Tune Spec :Average 317-319(5.12-5.13) Bgrd 313(5.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
123.00	2849	194.00	528	277.00	3799	444.00	1819
124.00	1389	195.00	730	278.00	754	445.00	97
125.00	1218	196.00	4684	279.00	105		
126.00	357	197.00	813	282.00	59		

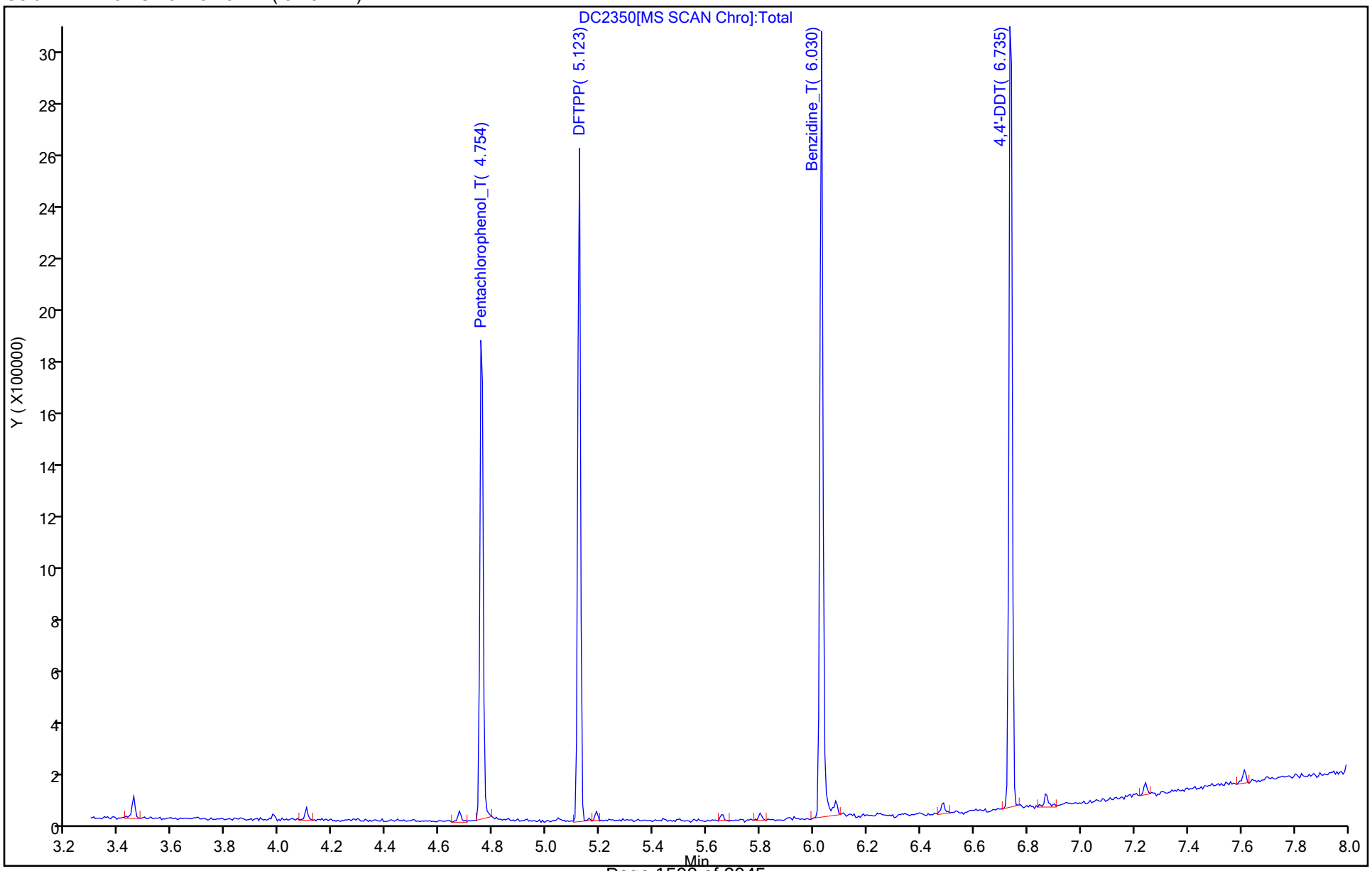
Report Date: 24-Mar-2023 09:40:28 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79761.b\DC2350.D

Injection Date:	23-Mar-2023 19:38:30	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\20230323-79761.b\DC2350.D
Injection Date: 23-Mar-2023 19:38:30 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

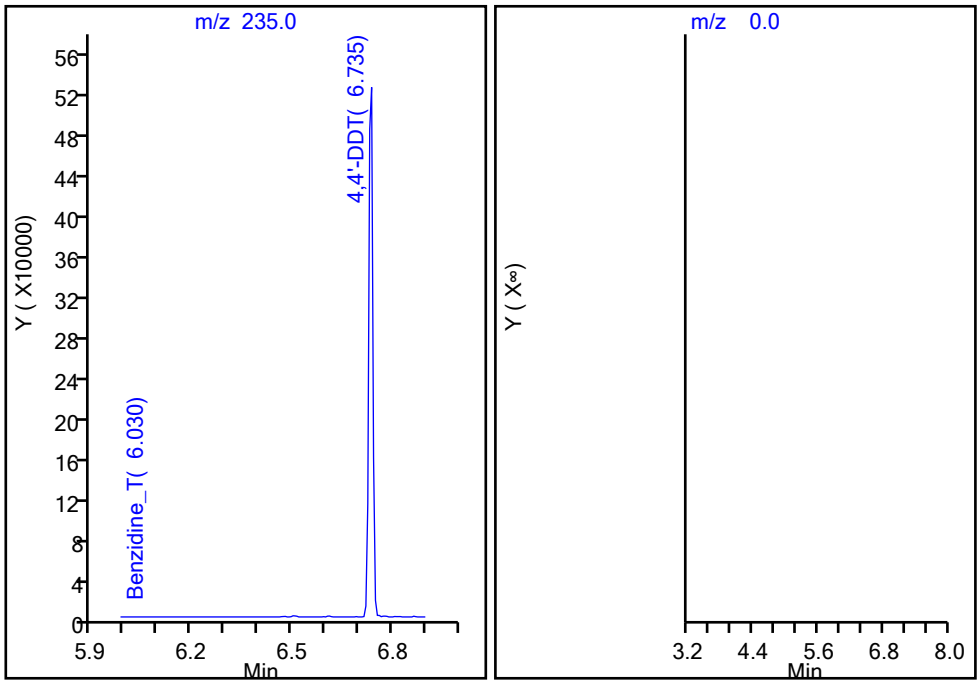
246 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 448906
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

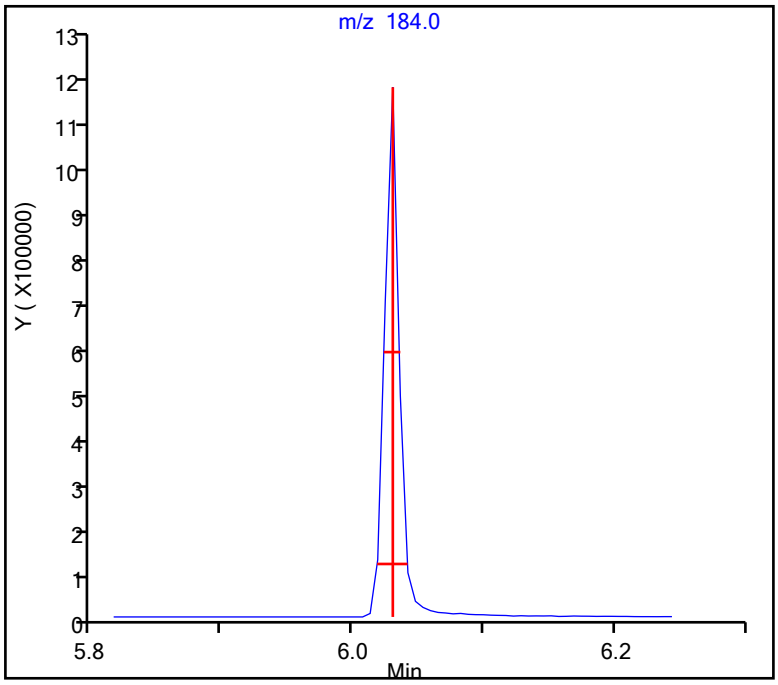
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79761.b\DC2350.D
Injection Date: 23-Mar-2023 19:38:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 0.92, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

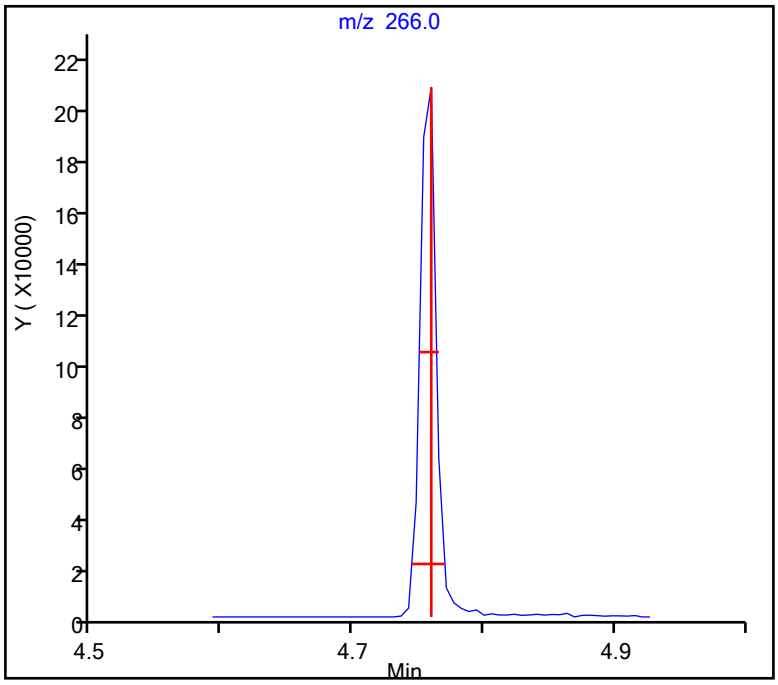
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230323-79761.b\DC2350.D
Injection Date: 23-Mar-2023 19:38:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.67, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0150.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 01-Jun-2023 20:48:59 ALS Bottle#: 0 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\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 00:15:26 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1659

First Level Reviewer: P7EB Date: 01-Jun-2023 21:01:08

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	4.744	4.744	0.000	92	268150	NR	NR	
57 Benzidine_T	184	5.962	5.962	0.000	99	1342982	NR	NR	
243 DFTPP									
244 4,4'-DDE	246	6.113	6.113	0.000	50	1589		NR	
245 4,4'-DDD	235	6.393	6.393	0.000	57	2300		NR	
246 4,4'-DDT	235	6.650	6.650	0.000	98	707836	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

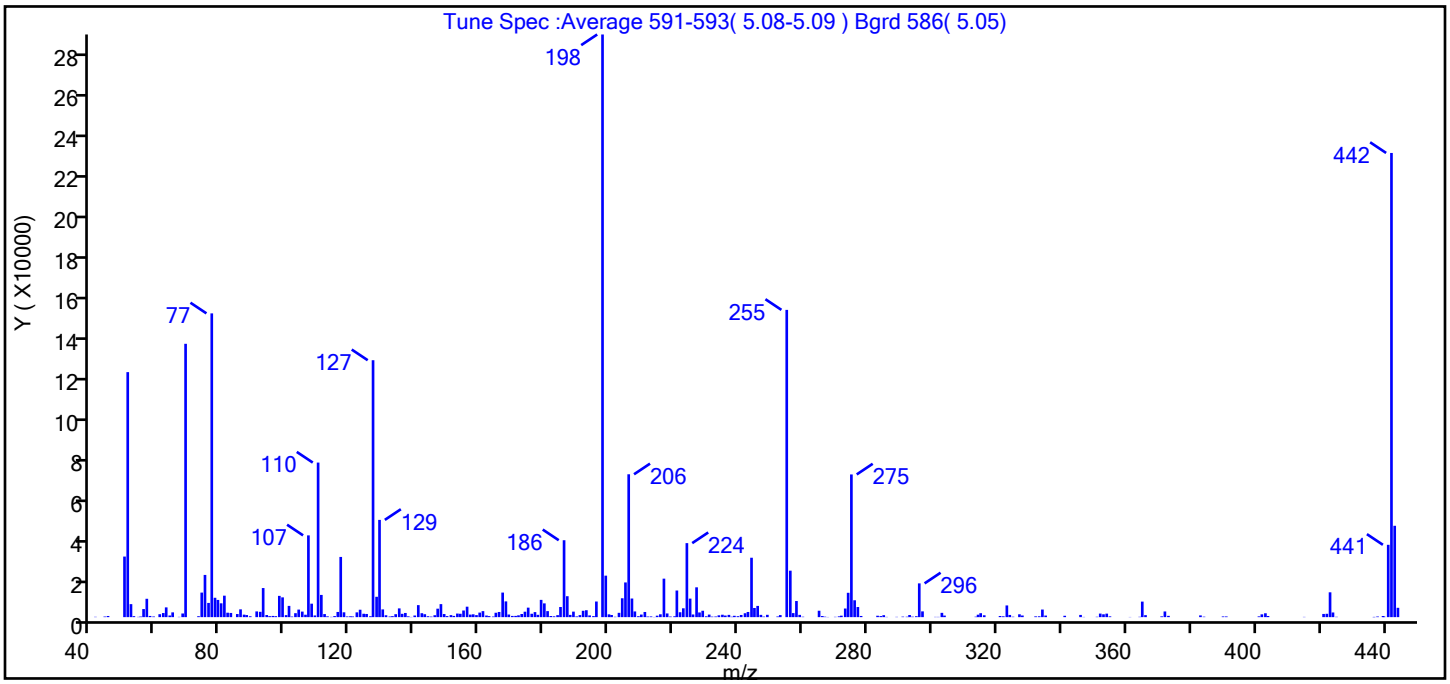
MSS_RVDFTPP_00013 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0150.D
Injection Date: 01-Jun-2023 20:48:59 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_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 (125.5)
51	10-80% of the base peak	42.0
68	<2% of mass 69	0.6 (1.3)
69	Present	46.9
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	44.1
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	24.5
365	>1% of mass 198	2.7
441	present but <24% of mass 442	12.4 (15.6)
442	base peak, or >50% of 198	79.7
443	15-24% of mass 442	15.7 (19.7)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0150.D\MSSemi_HP19760.rslt\spectra.d
Injection Date: 01-Jun-2023 20:48:59
Spectrum: Tune Spec :Average 591-593(5.08-5.09) Bgrd 586(5.05)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
41.00	156	126.00	440	199.00	20504	281.00	3
44.00	295	127.00	126992	200.00	1379	283.00	694
45.00	571	128.00	10063	201.00	1055	284.00	523
50.00	29944	129.00	48072	202.00	182	285.00	967
51.00	121104	130.00	3822	203.00	2133	286.00	120
52.00	6430	131.00	928	204.00	9332	289.00	138
53.00	482	132.00	314	205.00	17152	291.00	258
54.00	135	133.00	499	206.00	70616	292.00	207
55.00	293	134.00	1461	207.00	9207	293.00	1057
56.00	3999	135.00	4328	208.00	2817	294.00	243
57.00	9075	136.00	1643	209.00	463	295.00	453
58.00	588	137.00	2066	210.00	1278	296.00	16688
59.00	320	138.00	394	211.00	2553	297.00	2854
61.00	1451	139.00	95	212.00	302	301.00	129
62.00	2025	140.00	808	213.00	351	302.00	127
63.00	4823	141.00	5936	214.00	86	303.00	2125
64.00	814	142.00	1946	215.00	718	304.00	770
65.00	2360	143.00	1446	216.00	1411	314.00	233
67.00	136	144.00	453	217.00	19024	314.00	1207
68.00	1803	145.00	265	218.00	1825	315.00	1951
69.00	135104	146.00	946	219.00	300	316.00	928
73.00	462	147.00	4180	220.00	428	321.00	562
74.00	12133	148.00	6437	221.00	13162	322.00	409
75.00	20864	149.00	1534	222.00	2422	323.00	5786
76.00	7025	150.00	522	223.00	4374	324.00	1089
77.00	150144	151.00	999	224.00	36584	325.00	216
78.00	9573	152.00	611	225.00	9159	327.00	1411
79.00	8513	153.00	1769	226.00	1320	328.00	807
80.00	6838	154.00	1669	227.00	14741	332.00	389
81.00	10612	155.00	3281	228.00	2318	333.00	423
82.00	2190	156.00	5167	229.00	3156	334.00	3755
83.00	2073	157.00	1258	230.00	406	335.00	777
85.00	1532	158.00	1399	231.00	1262	341.00	676

Report Date: 02-Jun-2023 00:15:26 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0150.D\MSSemi_HP19760.rslt\spectra.d
Injection Date: 01-Jun-2023 20:48:59
Spectrum: Tune Spec :Average 591-593(5.08-5.09) Bgrd 586(5.05)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	3850	159.00	1006	232.00	262	346.00	1098
87.00	1233	160.00	2243	233.00	314	347.00	104
88.00	1030	161.00	2969	234.00	897	351.00	182
89.00	442	162.00	793	235.00	1193	352.00	1755
91.00	2838	163.00	517	236.00	790	353.00	1412
92.00	2632	164.00	294	237.00	1121	354.00	1734
93.00	14378	165.00	2169	238.00	214	355.00	388
94.00	1049	166.00	2554	239.00	671	361.00	90
95.00	496	167.00	12144	240.00	463	364.00	171
96.00	601	168.00	7788	241.00	1066	365.00	7679
97.00	479	169.00	1293	242.00	1923	366.00	984
98.00	10514	170.00	603	243.00	2551	371.00	377
99.00	9776	171.00	618	244.00	29368	372.00	2808
100.00	985	172.00	887	245.00	4531	373.00	639
101.00	5558	173.00	1555	246.00	5549	383.00	859
102.00	291	174.00	2689	247.00	1127	384.00	228
103.00	1956	175.00	4694	248.00	263	390.00	349
104.00	3735	176.00	1673	249.00	1153	391.00	341
105.00	2744	177.00	2492	252.00	322	401.00	385
106.00	1191	178.00	1145	253.00	1018	402.00	1386
107.00	40416	179.00	8538	255.00	151872	403.00	1911
108.00	6653	180.00	6799	256.00	22968	404.00	565
109.00	836	181.00	2977	257.00	1993	415.00	120
110.00	76400	182.00	566	258.00	7966	421.00	1584
111.00	10983	183.00	405	259.00	1123	422.00	1659
112.00	1519	184.00	981	260.00	214	423.00	12277
113.00	396	185.00	5015	265.00	3166	424.00	2307
114.00	138	186.00	38016	266.00	544	425.00	170
115.00	526	187.00	10345	267.00	230	437.00	87
116.00	2565	188.00	1112	268.00	88	437.00	111
117.00	29760	189.00	2728	270.00	153	438.00	313
118.00	2395	190.00	347	271.00	394	440.00	560
119.00	338	191.00	1001	272.00	721	440.00	272
120.00	427	192.00	3145	273.00	4263	441.00	35752

Report Date: 02-Jun-2023 00:15:26 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0150.D\MSSemi_HP19760.rslt\spectra.d
Injection Date: 01-Jun-2023 20:48:59
Spectrum: Tune Spec :Average 591-593(5.08-5.09) Bgrd 586(5.05)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
121.00	333	193.00	3420	274.00	12035	442.00	229440
122.00	2366	194.00	862	275.00	70536	443.00	45152
123.00	3667	195.00	509	276.00	8340	444.00	4616
124.00	1669	196.00	7731	277.00	5002		
125.00	1569	198.00	288000	278.00	581		

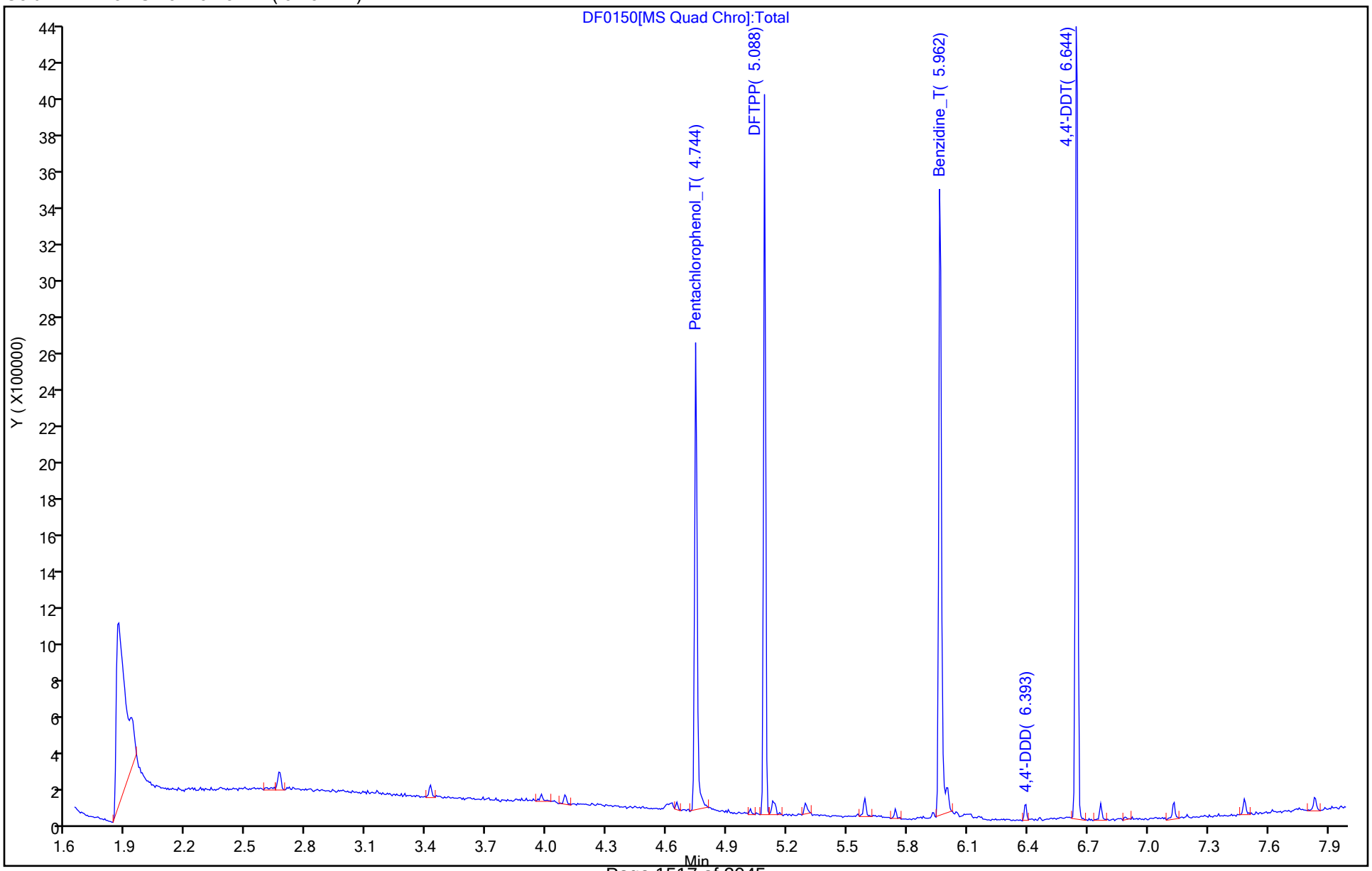
Report Date: 02-Jun-2023 00:15:26 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0150.D

Injection Date:	01-Jun-2023 20:48:59	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#:	0
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\20230601-85584.b\DF0150.D
Injection Date: 01-Jun-2023 20:48:59 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

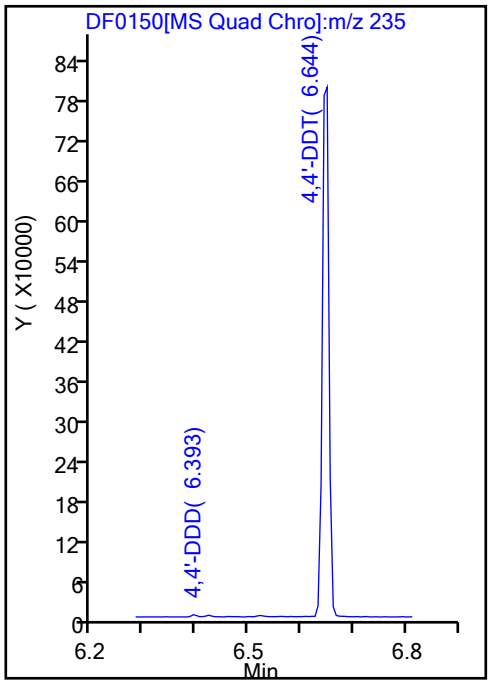
246 4,4'-DDT, Detector: MS Quad

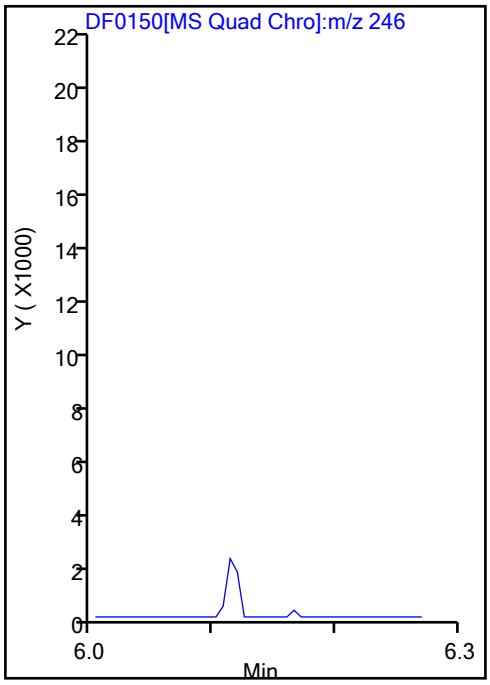
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 707836
245 4,4'-DDD, Area = 2300
244 4,4'-DDE, Area = 1589

%Breakdown: 0.55%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

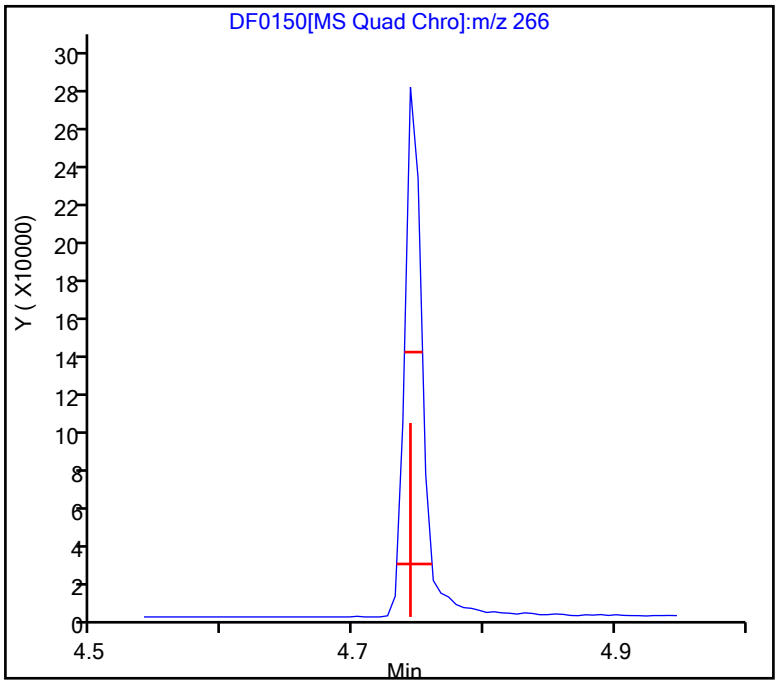
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0150.D
Injection Date: 01-Jun-2023 20:48:59 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.55, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

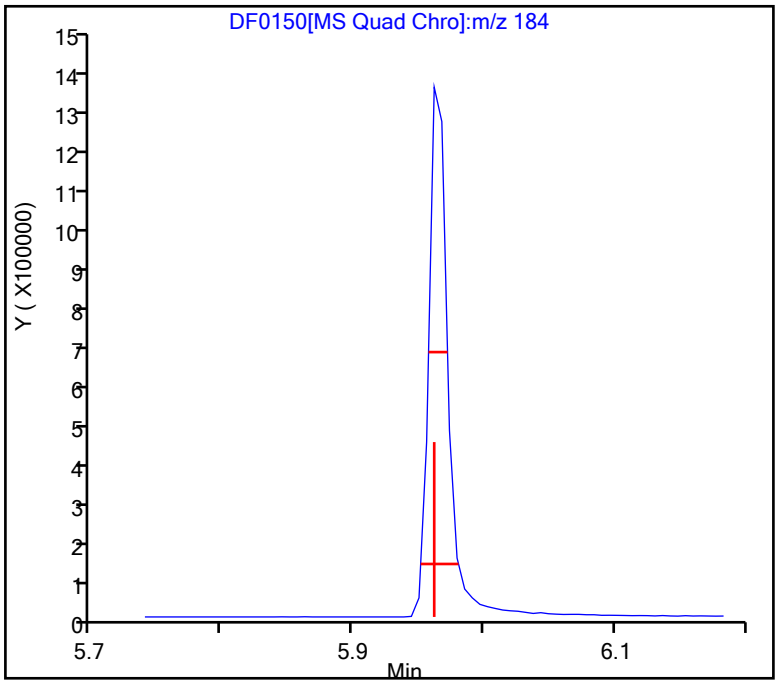
Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0150.D
Injection Date: 01-Jun-2023 20:48:59 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.90, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2750b.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 27-Dec-2022 17:57:26 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 28-Dec-2022 16:05:44 Calib Date: 27-Dec-2022 21:14:35
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: P7EB Date: 27-Dec-2022 18:15:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.967	4.967	0.000	90	341192	NR	NR	
14 Benzidine_T	184	6.171	6.171	0.000	99	2105269	NR	NR	
178 DFTPP									
179 4,4'-DDE	246		6.320					ND	U
180 4,4'-DDD	235		6.845					ND	U
181 4,4'-DDT	235	6.845	6.845	0.000	97	914662	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

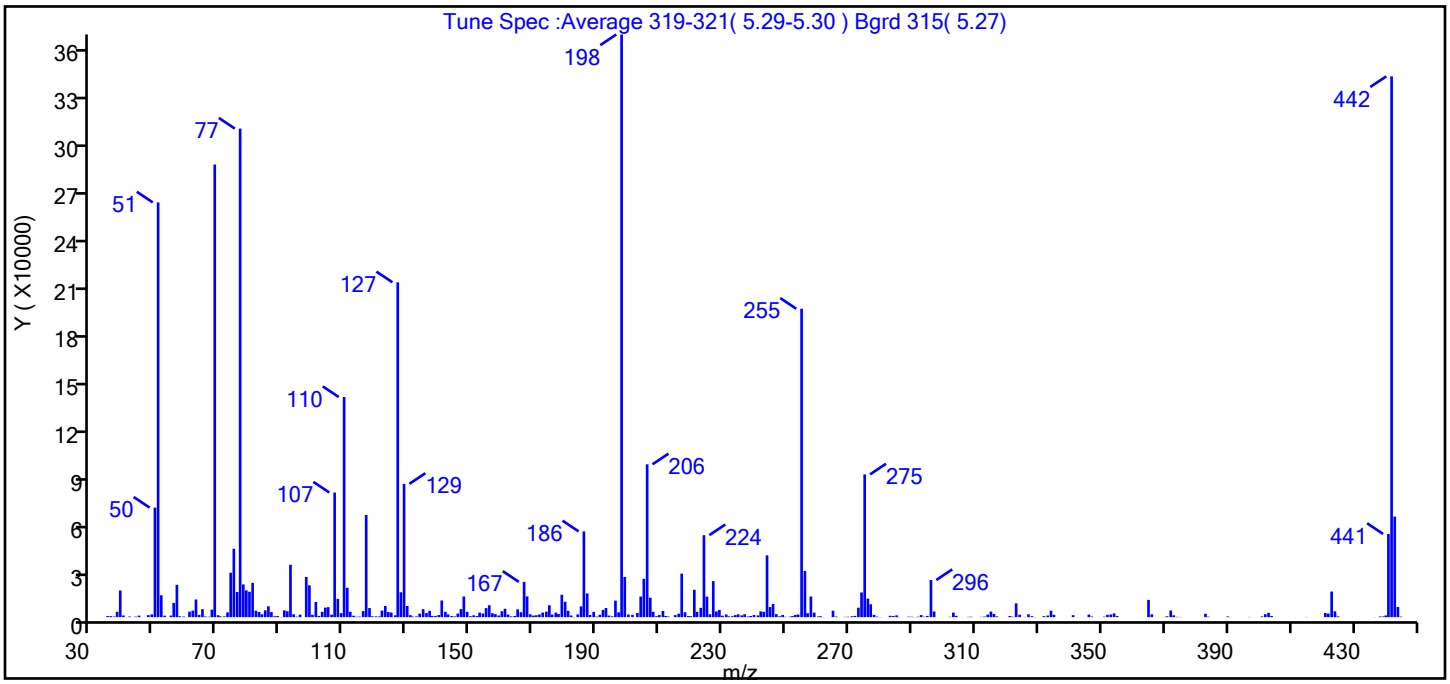
MSS_RVDFTPP_00012 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2750b.D
Injection Date: 27-Dec-2022 17:57:26 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (107.7)
51	10-80% of the base peak	71.2
68	<2% of mass 69	1.3 (1.7)
69	Present	77.7
70	<2% of mass 69	0.3 (0.4)
127	10-80% of the base peak	57.5
197	<2% of mass 198	0.8
199	5-9% of mass 198	6.9
275	10-60% of the base peak	24.5
365	>1% of mass 198	3.0
441	present but <24% of mass 442	14.3 (15.4)
442	base peak, or >50% of 198	92.8
443	15-24% of mass 442	17.3 (18.6)

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2750b.D\MSSemi_HP20296.rslt\spectra.
Injection Date: 27-Dec-2022 17:57:26
Spectrum: Tune Spec :Average 319-321(5.29-5.30) Bgrd 315(5.27)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 312

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	673	118.00	5706	196.00	10385	279.00	364
36.00	645	119.00	513	197.00	2998	280.00	91
37.00	396	120.00	482	198.00	366144	283.00	835
38.00	3372	121.00	461	199.00	25208	284.00	735
39.00	16752	122.00	4125	200.00	1657	285.00	1125
40.00	1053	123.00	6982	201.00	1426	286.00	152
41.00	26	124.00	3198	203.00	2612	289.00	291
42.00	396	125.00	2905	204.00	12934	290.00	248
44.00	318	126.00	1144	205.00	24088	291.00	95
45.00	949	127.00	210432	206.00	96040	292.00	281
48.00	1259	128.00	15624	207.00	12174	293.00	1296
49.00	1708	129.00	83752	208.00	3372	294.00	279
50.00	68808	130.00	7009	209.00	614	295.00	753
51.00	260608	131.00	1234	210.00	1338	296.00	23344
52.00	13745	132.00	383	211.00	3920	297.00	3577
53.00	915	133.00	451	212.00	736	302.00	210
55.00	978	134.00	2173	213.00	395	303.00	2841
56.00	8967	135.00	5009	215.00	1262	304.00	813
57.00	20312	136.00	2588	216.00	2167	308.00	207
58.00	558	137.00	3998	217.00	27328	309.00	263
59.00	385	138.00	755	218.00	3101	312.00	183
60.00	86	139.00	798	219.00	693	313.00	367
61.00	3481	140.00	1309	220.00	591	314.00	1605
62.00	4085	141.00	10468	221.00	17224	315.00	3503
63.00	11100	142.00	3357	222.00	3349	316.00	2015
64.00	1429	143.00	1728	223.00	5823	317.00	483
65.00	5029	144.00	668	224.00	51512	321.00	724
66.00	393	145.00	460	225.00	12907	322.00	290
67.00	264	146.00	2284	226.00	1802	323.00	8677
68.00	4700	147.00	5088	227.00	22608	324.00	1539
69.00	284416	148.00	12974	228.00	3601	326.00	152
70.00	1203	149.00	3341	229.00	4538	327.00	1786
71.00	502	150.00	613	230.00	910	328.00	643

Report Date: 28-Dec-2022 16:05:44 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2750b.D\MSSemi_HP20296.rslt\spectra.
Injection Date: 27-Dec-2022 17:57:26
Spectrum: Tune Spec :Average 319-321(5.29-5.30) Bgrd 315(5.27)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 312

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	477	151.00	1160	231.00	1689	329.00	87
73.00	3011	152.00	728	232.00	527	332.00	622
74.00	27928	153.00	2825	233.00	592	333.00	1007
75.00	42968	154.00	2307	234.00	1290	334.00	4062
76.00	15767	155.00	5687	235.00	1785	335.00	1468
77.00	307008	156.00	7480	236.00	1117	341.00	1245
78.00	20568	157.00	2445	237.00	1815	346.00	1587
79.00	16824	158.00	1916	238.00	414	347.00	408
80.00	15953	159.00	1016	239.00	707	351.00	282
81.00	21536	160.00	3723	240.00	1342	352.00	1492
82.00	4040	161.00	5232	241.00	1068	353.00	1664
83.00	3246	162.00	1611	242.00	3612	354.00	2356
84.00	1792	163.00	483	243.00	3365	355.00	672
85.00	4289	164.00	730	244.00	38840	365.00	10843
86.00	6830	165.00	4911	245.00	6325	366.00	1766
87.00	3189	166.00	3089	246.00	8283	370.00	138
88.00	579	167.00	22176	247.00	1872	371.00	541
89.00	751	168.00	13038	248.00	542	372.00	4194
90.00	119	169.00	1792	249.00	1378	373.00	1158
91.00	4280	170.00	973	250.00	212	374.00	213
92.00	3741	171.00	1194	251.00	312	375.00	120
93.00	32880	172.00	1707	252.00	681	383.00	2114
94.00	1797	173.00	2884	253.00	1378	384.00	311
95.00	345	174.00	3474	254.00	1660	390.00	460
96.00	1575	175.00	7453	255.00	193792	391.00	115
98.00	25248	176.00	1599	256.00	29040	397.00	149
99.00	19984	177.00	2862	257.00	2457	401.00	442
100.00	1449	178.00	1976	258.00	12981	402.00	1837
101.00	9531	179.00	14074	259.00	2849	403.00	2695
102.00	766	180.00	9675	260.00	429	404.00	742
103.00	3335	181.00	3981	261.00	558	415.00	119
104.00	5962	182.00	1031	262.00	105	421.00	2598
105.00	6275	183.00	148	264.00	39	422.00	2224
106.00	1519	184.00	1727	265.00	4051	423.00	16106

Report Date: 28-Dec-2022 16:05:44 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2750b.D\MSSemi_HP20296.rslt\spectra.
Injection Date: 27-Dec-2022 17:57:26
Spectrum: Tune Spec :Average 319-321(5.29-5.30) Bgrd 315(5.27)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 312

m/z	Y	m/z	Y	m/z	Y	m/z	Y
107.00	78312	185.00	6786	266.00	391	424.00	3651
108.00	11501	186.00	53904	269.00	184	425.00	518
109.00	2481	187.00	14874	270.00	263	436.00	108
110.00	138304	188.00	1360	271.00	570	438.00	437
111.00	18456	189.00	3308	272.00	776	439.00	433
112.00	3348	190.00	343	273.00	5922	440.00	1053
113.00	888	191.00	1495	274.00	15496	441.00	52272
114.00	273	192.00	4551	275.00	89696	442.00	339840
115.00	363	193.00	5757	276.00	11642	443.00	63168
116.00	3796	194.00	999	277.00	8099	444.00	6438
117.00	64168	195.00	496	278.00	1410	445.00	351

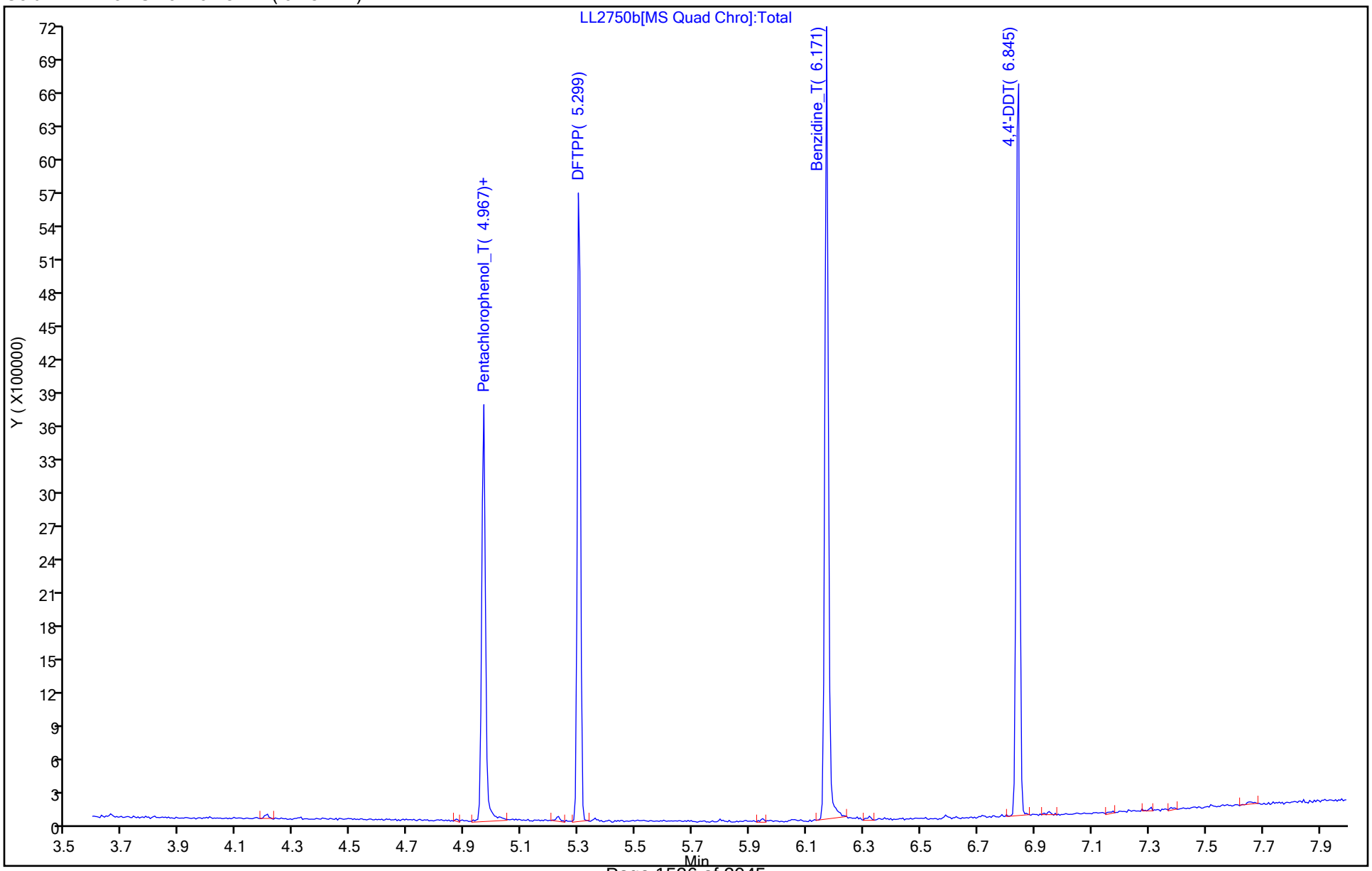
Report Date: 28-Dec-2022 16:05:44 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2750b.D

Injection Date:	27-Dec-2022 17:57:26	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2750b.D				
Injection Date:	27-Dec-2022 17:57:26	Instrument ID:	HP20296		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

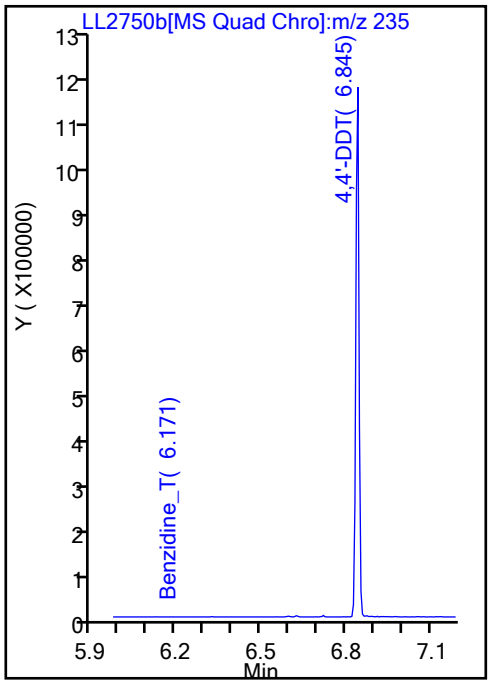
181 4,4'-DDT, Detector: MS Quad

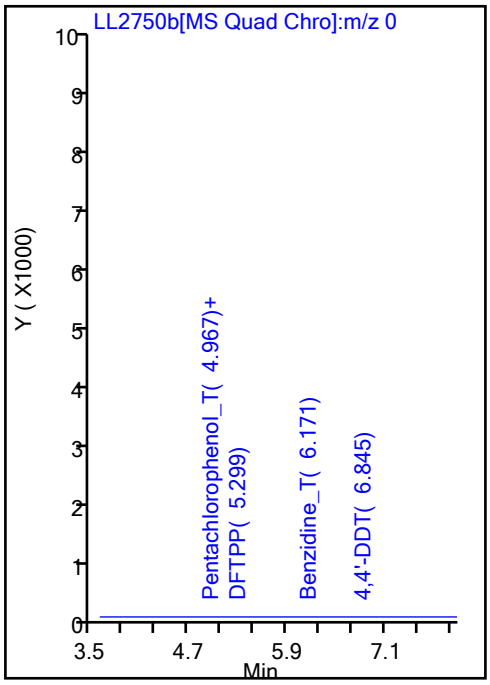
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 914662
180 4,4'-DDD, Area = 0
179 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

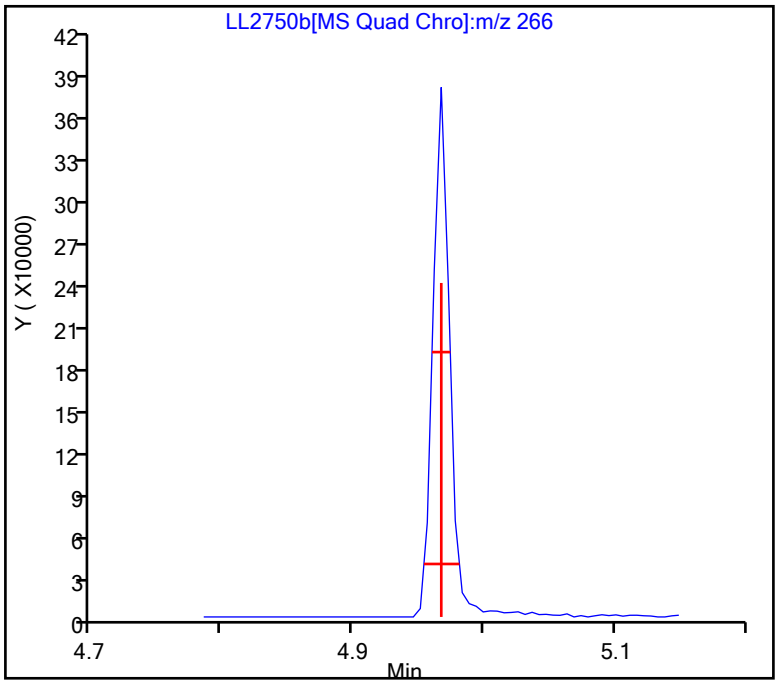
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2750b.D
Injection Date: 27-Dec-2022 17:57:26 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.08, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

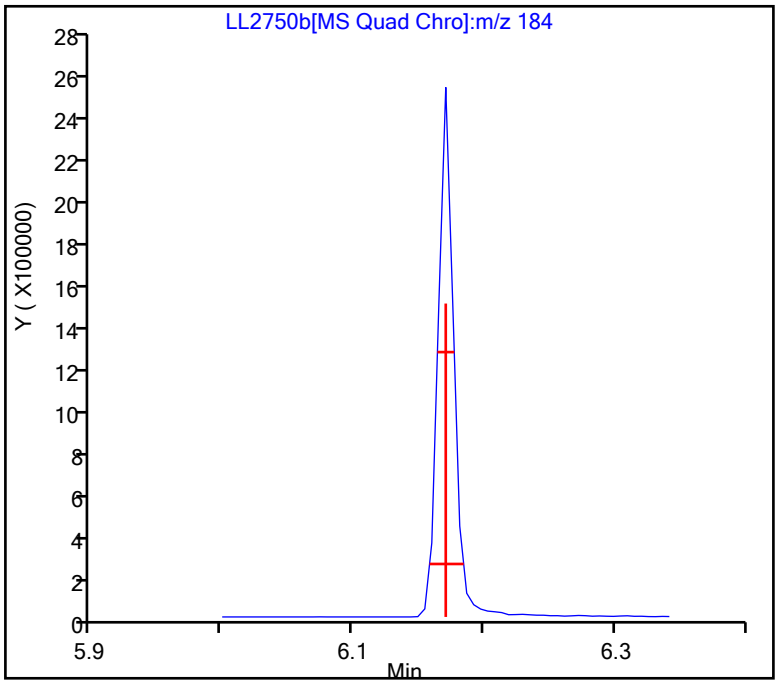
Data File: \\chromfs\Lancaster\ChromData\HP20296\20221227-74050.b\LL2750b.D
Injection Date: 27-Dec-2022 17:57:26 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.17, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2600.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 26-May-2023 09:12:03 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 11:53:03 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: AH7C Date: 26-May-2023 10:20:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.389	4.389	0.000	92	319794	NR	NR	
14 Benzidine_T	184	5.609	5.609	0.000	100	1740589	NR	NR	
178 DFTPP									
179 4,4'-DDE	246	5.764	5.764	0.000	51	1905		NR	
180 4,4'-DDD	235	6.042	6.042	0.000	95	7873		NR	
181 4,4'-DDT	235	6.288	6.288	0.000	98	896359	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

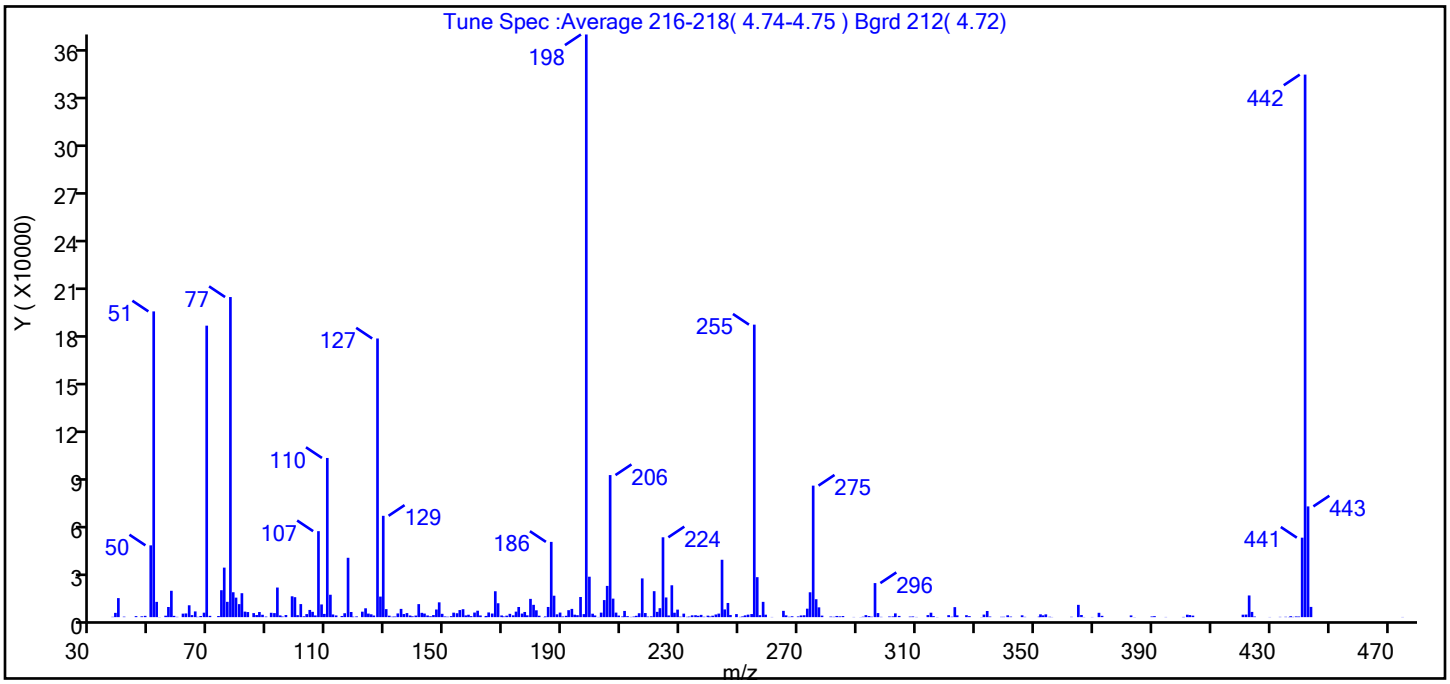
MSS_RVDFTPP_00013 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2600.D
Injection Date: 26-May-2023 09:12:03 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: msl46741 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (107.4)
51	10-80% of the base peak	52.5
68	<2% of mass 69	0.8 (1.5)
69	Present	50.0
70	<2% of mass 69	0.2 (0.4)
127	10-80% of the base peak	47.8
197	<2% of mass 198	0.5
199	5-9% of mass 198	6.9
275	10-60% of the base peak	22.6
365	>1% of mass 198	2.1
441	present but <24% of mass 442	13.6 (14.6)
442	base peak, or >50% of 198	93.1
443	15-24% of mass 442	19.0 (20.4)

Report Date: 26-May-2023 11:53:04 Chrom Revision: 2.3 23-May-2023 13:55:56

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2600.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 26-May-2023 09:12:03
Spectrum: Tune Spec :Average 216-218(4.74-4.75) Bgrd 212(4.72)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	202	127.00	175104	203.00	2832	291.00	92
38.00	2685	128.00	12912	204.00	10715	292.00	268
39.00	11965	129.00	63680	205.00	19632	293.00	1274
41.00	302	130.00	5037	206.00	89272	294.00	659
45.00	652	131.00	919	207.00	11635	295.00	272
47.00	522	132.00	302	208.00	2849	296.00	21400
48.00	814	133.00	394	209.00	983	297.00	2560
50.00	45112	134.00	2334	210.00	441	298.00	180
51.00	192128	135.00	5187	211.00	3902	301.00	425
52.00	9598	136.00	1954	212.00	616	302.00	445
53.00	88	137.00	2542	213.00	163	303.00	2361
55.00	901	138.00	1027	214.00	385	304.00	763
56.00	6375	139.00	535	215.00	836	308.00	348
57.00	16568	140.00	976	216.00	2449	309.00	438
58.00	807	141.00	8183	217.00	24344	310.00	125
59.00	187	142.00	2709	218.00	2575	314.00	1291
61.00	2200	143.00	2249	219.00	362	315.00	2776
62.00	2327	144.00	1051	220.00	514	316.00	638
63.00	7458	145.00	542	221.00	16315	317.00	98
64.00	1266	146.00	1302	222.00	3320	321.00	1238
65.00	3598	147.00	4801	223.00	5630	322.00	254
66.00	208	148.00	9307	224.00	50176	323.00	6291
67.00	697	149.00	2091	225.00	12376	324.00	1114
68.00	2792	150.00	425	226.00	1069	327.00	1229
69.00	183168	151.00	270	227.00	20024	328.00	621
70.00	818	152.00	626	228.00	2775	332.00	91
73.00	719	153.00	2809	229.00	4731	333.00	1610
74.00	16920	154.00	2460	230.00	292	334.00	3865
75.00	31120	155.00	4452	231.00	2207	335.00	376
76.00	9624	156.00	4986	232.00	209	339.00	205
77.00	201152	157.00	1083	233.00	352	340.00	228
78.00	15646	158.00	1503	234.00	1142	341.00	1159
79.00	12265	159.00	629	235.00	1219	342.00	337

Report Date: 26-May-2023 11:53:04 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2600.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 26-May-2023 09:12:03
Spectrum: Tune Spec :Average 216-218(4.74-4.75) Bgrd 212(4.72)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	8181	160.00	2876	236.00	867	346.00	1152
81.00	15039	161.00	4037	237.00	1421	347.00	184
82.00	3463	162.00	1055	238.00	239	352.00	314
83.00	3196	164.00	374	239.00	943	352.00	1765
85.00	2543	164.00	765	240.00	372	353.00	1131
86.00	1327	165.00	2954	241.00	908	354.00	1757
87.00	3214	166.00	2274	242.00	1676	355.00	231
88.00	1494	167.00	16271	243.00	2228	356.00	110
89.00	355	168.00	8734	244.00	36056	363.00	223
91.00	2733	169.00	1056	245.00	4856	365.00	7721
92.00	2545	170.00	456	246.00	8903	366.00	1332
93.00	18608	171.00	930	247.00	1362	367.00	112
94.00	1093	172.00	2078	249.00	1917	370.00	105
95.00	387	173.00	1141	250.00	171	372.00	2728
96.00	1321	174.00	3460	251.00	464	373.00	822
97.00	4	175.00	6377	252.00	1103	383.00	1086
98.00	13104	176.00	2240	253.00	1570	384.00	93
99.00	12543	177.00	3252	254.00	1943	390.00	432
100.00	1252	178.00	1141	255.00	183808	391.00	631
101.00	8208	179.00	11482	256.00	25112	395.00	121
102.00	536	180.00	7743	257.00	1249	401.00	111
103.00	1914	181.00	4302	258.00	9609	401.00	132
104.00	4530	182.00	905	259.00	1535	402.00	1535
105.00	3343	184.00	85	261.00	117	403.00	1298
106.00	1071	184.00	450	265.00	3957	404.00	958
107.00	54024	185.00	6393	266.00	1116	421.00	1549
108.00	7984	186.00	47296	267.00	228	422.00	1616
109.00	2033	187.00	13467	268.00	545	423.00	13630
110.00	100032	188.00	1776	270.00	447	424.00	3292
111.00	14080	189.00	2867	271.00	1056	425.00	384
112.00	1690	190.00	416	272.00	1179	430.00	107
113.00	1069	191.00	848	273.00	5318	434.00	179
115.00	740	192.00	4376	274.00	15627	435.00	227
116.00	2456	193.00	5187	275.00	82648	437.00	99

Report Date: 26-May-2023 11:53:04 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2600.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 26-May-2023 09:12:03
Spectrum: Tune Spec :Average 216-218(4.74-4.75) Bgrd 212(4.72)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	37304	194.00	1544	276.00	11265	437.00	585
118.00	3240	195.00	1225	277.00	6153	438.00	178
119.00	282	196.00	12663	278.00	949	439.00	441
120.00	463	197.00	1906	281.00	357	440.00	394
122.00	3441	198.00	366144	282.00	223	441.00	49944
123.00	5565	199.00	25408	283.00	739	442.00	340928
124.00	2228	200.00	2160	284.00	482	443.00	69584
125.00	1783	201.00	1048	285.00	692	444.00	6427
126.00	1009	202.00	132	289.00	120	475.00	112

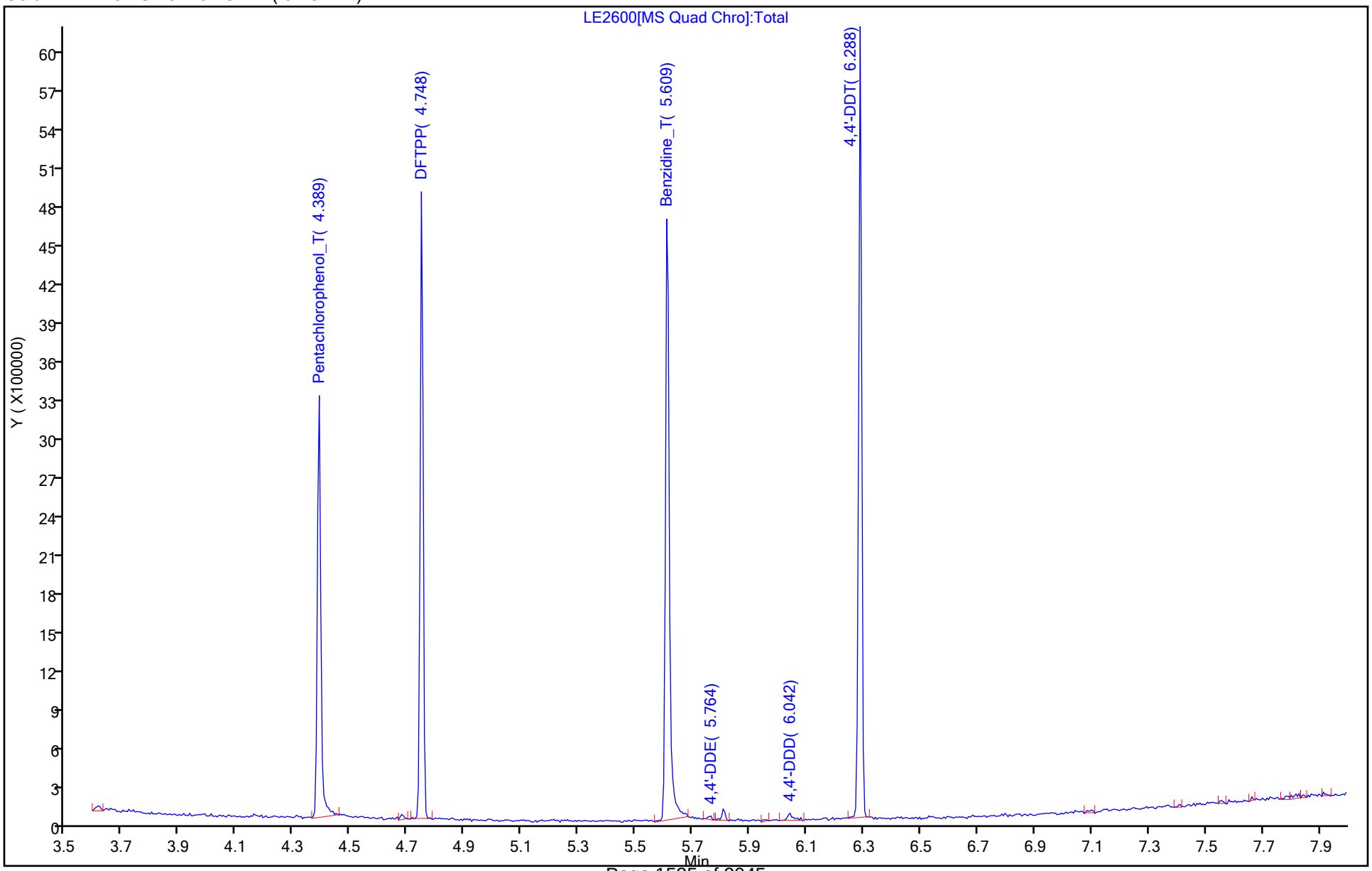
Report Date: 26-May-2023 11:53:04 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2600.D

Injection Date:	26-May-2023 09:12:03	Instrument ID:	HP20296	Operator ID:	msl46741
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2600.D
Injection Date: 26-May-2023 09:12:03 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: msl46741 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

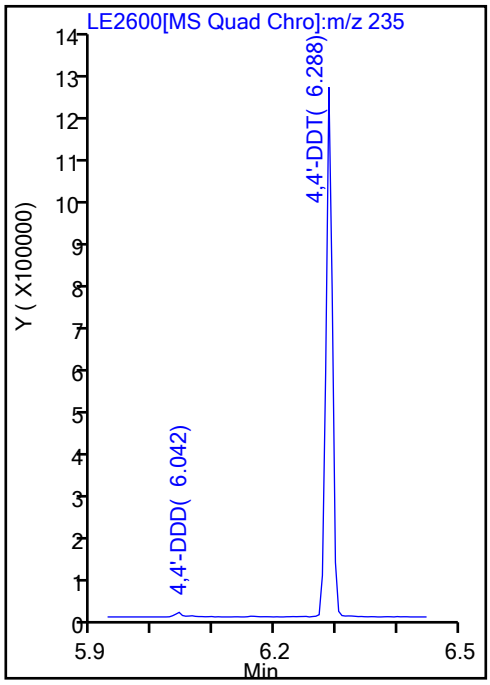
181 4,4'-DDT, Detector: MS Quad

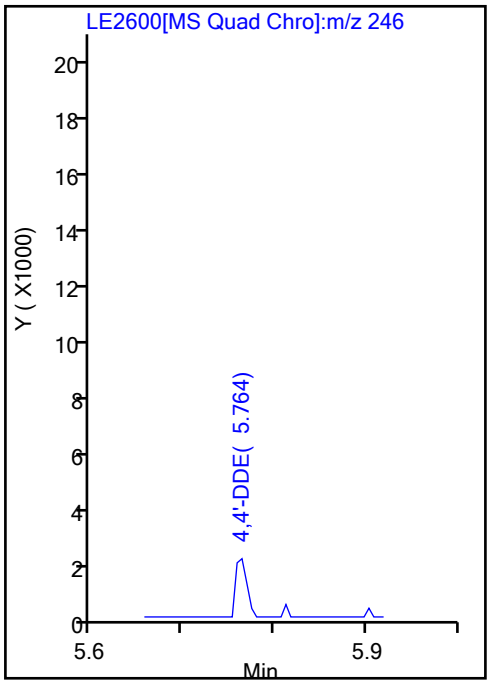
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 896359
180 4,4'-DDD, Area = 7873
179 4,4'-DDE, Area = 1905

%Breakdown: 1.08%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

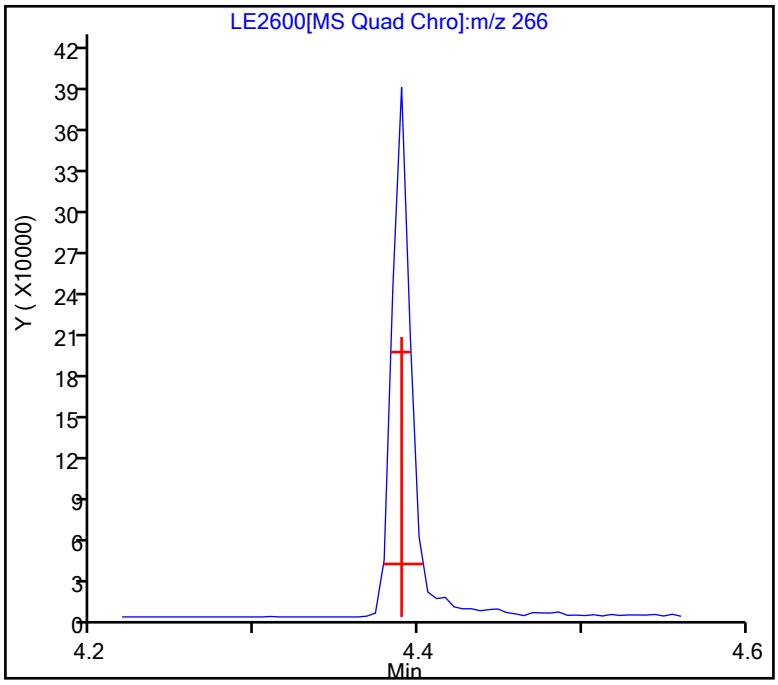
Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2600.D
Injection Date: 26-May-2023 09:12:03 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: msl46741 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.18, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

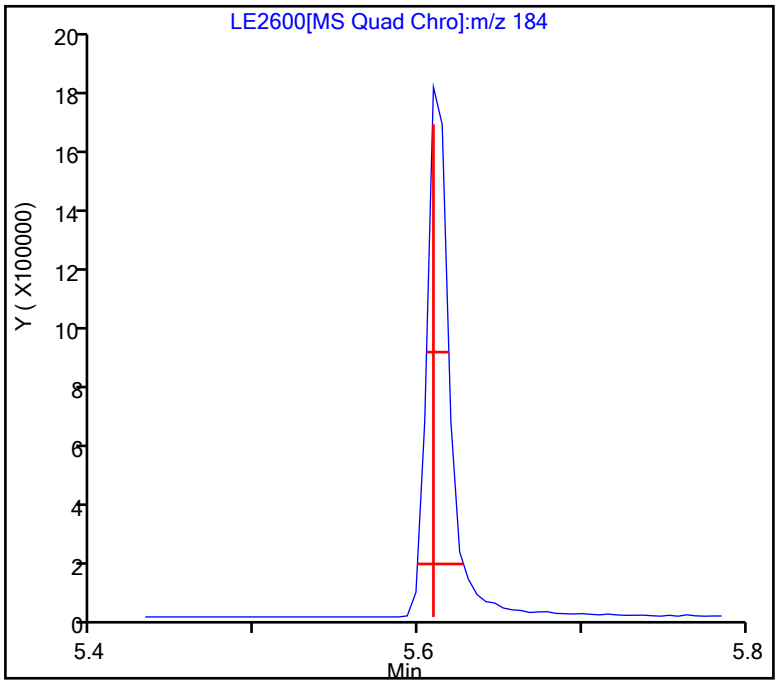
Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2600.D
Injection Date: 26-May-2023 09:12:03 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: msl46741 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.80, 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.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-380068/1-A

Matrix: Water
Lab File ID: LE2604.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:30

Sample wt/vol: 250(mL)
Date Analyzed: 05/26/2023 11:38

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 380338
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)	53		13-138
321-60-8	2-Fluorobiphenyl (Surr)	48		44-120
367-12-4	2-Fluorophenol (Surr)	27		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	35		31-120
4165-62-2	Phenol-d5 (Surr)	18		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	73		30-125

Report Date: 29-May-2023 11:01:58 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2604.D
Lims ID: MB 410-380068/1-A
Client ID:
Sample Type: MB
Inject. Date: 26-May-2023 11:38:52 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-380068/1-A
Misc. Info.: 410-0085126-004
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 21:09:04 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: AH7C Date: 26-May-2023 11:55:39

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	2.647	2.653	-0.006	97	672625	50.0	13.4	
15 Benzaldehyde	77		3.455					ND	7
$ 16 Phenol-d5	99	3.573	3.567	0.006	99	690203	50.0	8.97	
17 Phenol	94		3.583					ND	7
19 Bis(2-chloroethyl)ether	93		3.637					ND	7
20 2-Chlorophenol	128		3.690					ND	7
* 24 1,4-Dichlorobenzene-d4	152	3.883	3.888	-0.005	97	157653	5.00	5.00	
32 2,2'-oxybis[1-chloropropane]	45		4.166					ND	7
31 2-Methylphenol	108		4.172					ND	
35 Acetophenone	105		4.289					ND	
37 N-Nitrosodi-n-propylamine	70		4.295					ND	7
36 4-Methylphenol	108		4.327					ND	7
40 Hexachloroethane	117		4.375					ND	7
$ 41 Nitrobenzene-d5	82	4.428	4.434	-0.006	92	589428	25.0	8.63	
42 Nitrobenzene	77		4.450					ND	7
46 Isophorone	82		4.685					ND	7
47 2-Nitrophenol	139		4.760					ND	
48 2,4-Dimethylphenol	107		4.829					ND	
51 Bis(2-chloroethoxy)methane	93		4.915					ND	
52 2,4-Dichlorophenol	162		5.017					ND	
* 55 Naphthalene-d8	136	5.124	5.124	0.000	99	581306	5.00	5.00	
56 Naphthalene	128		5.145					ND	7
57 4-Chloroaniline	127		5.209					ND	
60 Hexachlorobutadiene	225		5.268					ND	
64 Caprolactam	113		5.530					ND	7
66 4-Chloro-3-methylphenol	107		5.717					ND	
69 2-Methylnaphthalene	142		5.808					ND	
71 Hexachlorocyclopentadiene	237		5.963					ND	
72 1,2,4,5-Tetrachlorobenzene	216		5.969					ND	
74 2,4,6-Trichlorophenol	196		6.097					ND	
75 2,4,5-Trichlorophenol	196		6.151					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 76 2-Fluorobiphenyl (Surr)	172	6.172	6.172	0.000	99	1080860	25.0	11.9	
79 1,1'-Biphenyl	154		6.263				ND		7
80 2-Chloronaphthalene	162		6.274				ND		
83 2-Nitroaniline	138		6.386				ND		
86 Dimethyl phthalate	163		6.568				ND		
88 2,6-Dinitrotoluene	165		6.621				ND		U
90 Acenaphthylene	152		6.659				ND		7
91 3-Nitroaniline	138		6.776				ND		
* 92 Acenaphthene-d10	164	6.792	6.792	0.000	95	333688	5.00	5.00	
93 Acenaphthene	153		6.825				ND		
94 2,4-Dinitrophenol	184		6.878				ND		7
100 Dibenzofuran	168		6.990				ND		
99 2,4-Dinitrotoluene	165		7.001				ND		7
96 4-Nitrophenol	109		7.012				ND		7
102 2,3,4,6-Tetrachlorophenol	232		7.081				ND		7
104 Diethyl phthalate	149		7.242				ND		7
105 Fluorene	166		7.317				ND		
108 4-Chlorophenyl phenyl ether	204		7.327				ND		7
109 4-Nitroaniline	138		7.354				ND		
110 4,6-Dinitro-2-methylphenol	198		7.381				ND		7
111 N-Nitrosodiphenylamine	169		7.445				ND		
$ 113 2,4,6-Tribromophenol	330	7.541	7.547	-0.006	90	375631	50.0	26.3	
118 4-Bromophenyl phenyl ether	248		7.787				ND		
120 Hexachlorobenzene	284		7.825				ND		
122 Atrazine	200		7.964				ND		
123 Pentachlorophenol	266		8.028				ND		7
* 127 Phenanthrene-d10	188	8.194	8.194	0.000	97	640631	5.00	5.00	
129 Phenanthrene	178		8.215				ND		7
130 Anthracene	178		8.263				ND		7
131 Carbazole	167		8.429				ND		7
133 Di-n-butyl phthalate	149		8.793				ND		7
138 Fluoranthene	202		9.338				ND		7
* 140 Pyrene-d10 (IS)	212	9.526	9.531	-0.005	98	634680	5.00	5.00	
141 Pyrene	202		9.547				ND		7
$ 142 p-Terphenyl-d14	244	9.723	9.723	0.000	97	1951204	25.0	18.3	
146 Butyl benzyl phthalate	149		10.210				ND		7
148 3,3'-Dichlorobenzidine	252		10.724				ND		7
149 Benzo[a]anthracene	228		10.724				ND		
151 Chrysene	228		10.761				ND		
152 Bis(2-ethylhexyl) phthalate	149		10.831				ND		7
154 Di-n-octyl phthalate	149		11.590				ND		U
155 Benzo[b]fluoranthene	252		11.959				ND		7
157 Benzo[k]fluoranthene	252		11.991				ND		7
158 Benzo[a]pyrene	252		12.360				ND		U
* 159 Perylene-d12	264	12.435	12.435	0.000	96	425980	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276		13.847				ND		
164 Dibenz(a,h)anthracene	278		13.890				ND		7
165 Benzo[g,h,i]perylene	276		14.195				ND		7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

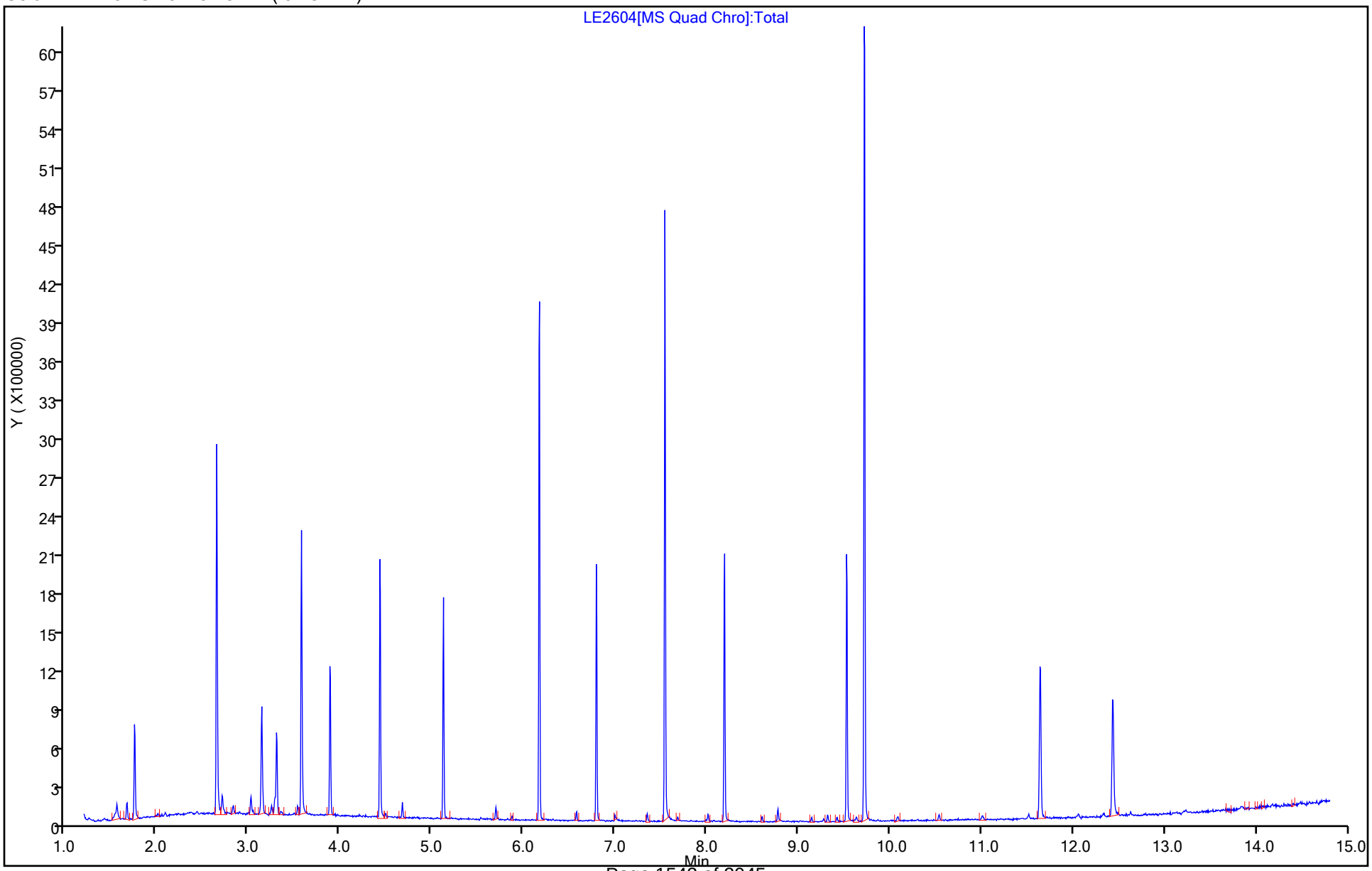
Report Date: 29-May-2023 11:01:58 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2604.D

Injection Date:	26-May-2023 11:38:52	Instrument ID:	HP20296	Operator ID:	msl46741
Lims ID:	MB 410-380068/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2604.D
Lims ID: MB 410-380068/1-A
Client ID:
Sample Type: MB
Inject. Date: 26-May-2023 11:38:52 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-380068/1-A
Misc. Info.: 410-0085126-004
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 21:09:04 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: AH7C Date: 26-May-2023 11:55:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	13.4	26.82
$ 16 Phenol-d5	50.0	8.97	17.94
$ 41 Nitrobenzene-d5	25.0	8.63	34.51
$ 76 2-Fluorobiphenyl (Surr)	25.0	11.9	47.78
$ 113 2,4,6-Tribromophenol	50.0	26.3	52.65
$ 142 p-Terphenyl-d14	25.0	18.3	73.04

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-382042/1-A

Matrix: Water
Lab File ID: DF0153.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:50

Sample wt/vol: 250(mL)
Date Analyzed: 06/01/2023 21:54

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.: 382151
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)	77		13-138
321-60-8	2-Fluorobiphenyl (Surr)	58		44-120
367-12-4	2-Fluorophenol (Surr)	35		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	56		31-120
4165-62-2	Phenol-d5 (Surr)	24		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	82		30-125

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0153.D
Lims ID: MB 410-382042/1-A
Client ID:
Sample Type: MB
Inject. Date: 01-Jun-2023 21:54:49 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-382042/1-A
Misc. Info.: 410-0085584-004
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 12:12:53 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: AH7C Date: 02-Jun-2023 10:46:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.993	2.999	-0.006	94	814821	50.0	17.6	
323 2-Butoxyethanol	57		3.273					ND	
15 Benzaldehyde	77		3.827					ND	7
$ 16 Phenol-d5	99	3.891	3.891	0.000	96	807474	50.0	12.1	
17 Phenol	94		3.908					ND	7
19 Bis(2-chloroethyl)ether	93		3.990					ND	
20 2-Chlorophenol	128		4.042					ND	7
21 1,3-Dichlorobenzene	146		4.188					ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	98	158337	5.00	5.00	
23 1,4-Dichlorobenzene	146		4.264					ND	7
26 1,2-Dichlorobenzene	146		4.404					ND	
28 2-Methylphenol	108		4.491					ND	
29 2,2'-oxybis[1-chloropropane]	45		4.509					ND	7
34 Acetophenone	105		4.631					ND	7
33 N-Nitrosodi-n-propylamine	70		4.637					ND	7
32 4-Methylphenol	108		4.643					ND	
325 2-Butoxyethyl acetate	43		4.713					ND	
41 n,n'-Dimethylaniline	120		4.725					ND	U
38 Hexachloroethane	117		4.730					ND	
$ 39 Nitrobenzene-d5	82	4.771	4.772	-0.006	88	858791	25.0	14.1	
40 Nitrobenzene	77		4.794					ND	7
43 Isophorone	82		5.022					ND	7
44 2-Nitrophenol	139		5.097					ND	
45 2,4-Dimethylphenol	107		5.150					ND	
47 Bis(2-chloroethoxy)methane	93		5.237					ND	
48 2,4-Dichlorophenol	162		5.336					ND	
49 1,2,4-Trichlorobenzene	180		5.412					ND	
* 50 Naphthalene-d8	136	5.465	5.464	0.001	100	580772	5.00	5.00	
51 Naphthalene	128		5.482					ND	7
53 4-Chloroaniline	127		5.540					ND	
56 Hexachlorobutadiene	225		5.604					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
61 Caprolactam	113		5.861					ND	
64 4-Chloro-3-methylphenol	107		6.018					ND	
66 2-Methylnaphthalene	142		6.146					ND	
68 Hexachlorocyclopentadiene	237		6.292					ND	
69 1,2,4,5-Tetrachlorobenzene	216		6.304					ND	
71 2,4,6-Trichlorophenol	196		6.420					ND	
72 2,4,5-Trichlorophenol	196		6.461					ND	
$ 73 2-Fluorobiphenyl (Surr)	172	6.496	6.496	0.000	100	1363581	25.0	14.5	
75 1,1'-Biphenyl	154		6.589					ND	7
76 2-Chloronaphthalene	162		6.607					ND	
79 2-Nitroaniline	138		6.706					ND	7
85 Dimethyl phthalate	163		6.887					ND	
87 2,6-Dinitrotoluene	165		6.939					ND	
88 Acenaphthylene	152		6.997					ND	
89 3-Nitroaniline	138		7.097					ND	
* 90 Acenaphthene-d10	164	7.132	7.131	0.001	94	330197	5.00	5.00	
91 Acenaphthene	153		7.161					ND	
92 2,4-Dinitrophenol	184		7.201					ND	
93 4-Nitrophenol	109		7.283					ND	
95 2,4-Dinitrotoluene	165		7.318					ND	
96 Dibenzofuran	168		7.330					ND	
98 2,3,4,6-Tetrachlorophenol	232		7.446					ND	
100 Diethyl phthalate	149		7.563					ND	
102 Fluorene	166		7.650					ND	
103 4-Chlorophenyl phenyl ether	204		7.656					ND	
105 4-Nitroaniline	138		7.674					ND	
106 4,6-Dinitro-2-methylphenol	198		7.703					ND	
107 N-Nitrosodiphenylamine	169		7.773					ND	
$ 109 2,4,6-Tribromophenol	330	7.878	7.878	0.000	93	437991	50.0	38.5	
116 4-Bromophenyl phenyl ether	248		8.122					ND	
118 Hexachlorobenzene	284		8.169					ND	
120 Atrazine	200		8.286					ND	
121 Pentachlorophenol	266		8.361					ND	
* 126 Phenanthrene-d10	188	8.536	8.536	0.000	97	637154	5.00	5.00	
128 Phenanthrene	178		8.560					ND	7
129 Anthracene	178		8.606					ND	7
130 Carbazole	167		8.764					ND	7
133 Di-n-butyl phthalate	149		9.113					ND	7
143 Fluoranthene	202		9.684					ND	7
* 149 Pyrene-d10 (IS)	212	9.883	9.883	0.000	99	637900	5.00	5.00	
150 Pyrene	202		9.900					ND	7
$ 152 p-Terphenyl-d14	244	10.063	10.058	0.000	98	2159795	25.0	20.5	
157 Butyl benzyl phthalate	149		10.565					ND	7
159 3,3'-Dichlorobenzidine	252		11.124					ND	
161 Benzo[a]anthracene	228		11.130					ND	7
162 Chrysene	228		11.171					ND	7
163 Bis(2-ethylhexyl) phthalate	149		11.223					ND	7
165 Di-n-octyl phthalate	149		12.045					ND	U
167 Benzo[b]fluoranthene	252		12.471					ND	7
168 Benzo[k]fluoranthene	252		12.511					ND	7
169 Benzo[a]pyrene	252		12.908					ND	U
* 170 Perylene-d12	264	12.983	12.983	0.000	98	487761	5.00	5.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
174 Indeno[1,2,3-cd]pyrene	276		14.487					ND	7
175 Dibenz(a,h)anthracene	278		14.528					ND	
176 Benzo[g,h,i]perylene	276		14.831					ND	7
231 Phthalic anhydride	104		0.000					ND	U

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

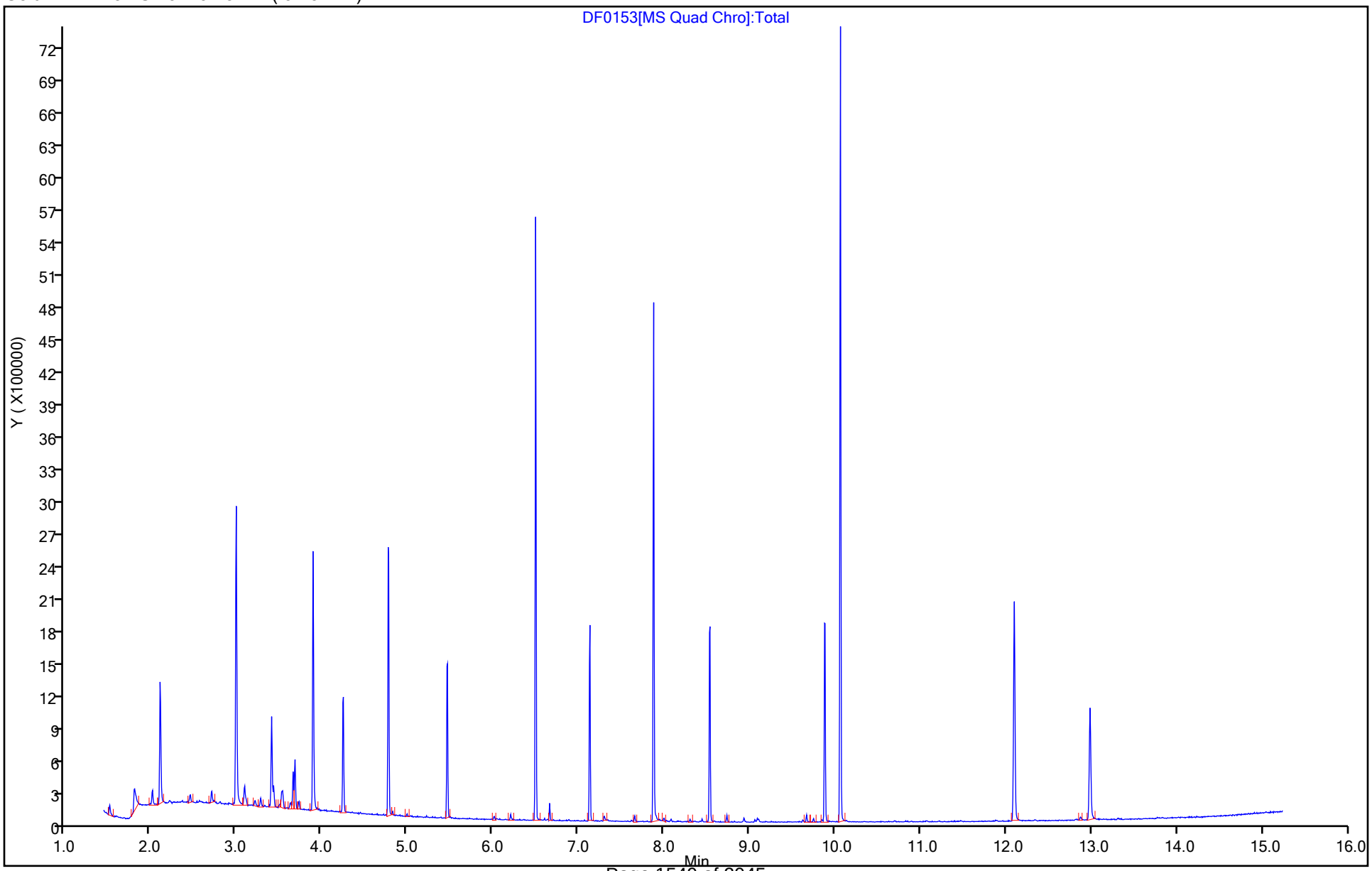
Report Date: 02-Jun-2023 12:13:06 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0153.D

Injection Date:	01-Jun-2023 21:54:49	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	MB 410-382042/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
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\20230601-85584.b\DF0153.D
Lims ID: MB 410-382042/1-A
Client ID:
Sample Type: MB
Inject. Date: 01-Jun-2023 21:54:49 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-382042/1-A
Misc. Info.: 410-0085584-004
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 12:12:53 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: AH7C Date: 02-Jun-2023 10:46:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	17.6	35.16
$ 16 Phenol-d5	50.0	12.1	24.20
$ 39 Nitrobenzene-d5	25.0	14.1	56.29
$ 73 2-Fluorobiphenyl (Surr)	25.0	14.5	58.07
$ 109 2,4,6-Tribromophenol	50.0	38.5	77.05
$ 152 p-Terphenyl-d14	25.0	20.5	82.01

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-380068/2-A

Matrix: Water
Lab File ID: LE2605.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:30

Sample wt/vol: 250(mL)
Date Analyzed: 05/26/2023 11:58

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 380338
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	30		10	3
51-28-5	2,4-Dinitrophenol	79		30	10
95-57-8	2-Chlorophenol	34		2	0.5
86-74-8	Carbazole	34		2	0.5
108-95-2	Phenol	16		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	63		13-138
321-60-8	2-Fluorobiphenyl (Surr)	50		44-120
367-12-4	2-Fluorophenol (Surr)	38		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	38		31-120
4165-62-2	Phenol-d5 (Surr)	26		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	69		30-125

Report Date: 26-May-2023 20:56:06 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2605.D
Lims ID: LCS 410-380068/2-A
Client ID:
Sample Type: LCS
Inject. Date: 26-May-2023 11:58:03 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-380068/2-A
Misc. Info.: 410-0085126-005
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 15:38:12

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	2.653	2.653	0.000	98	984696	50.0	18.8	
15 Benzaldehyde	77	3.455	3.455	0.000	92	283914	12.5	4.32	
$ 16 Phenol-d5	99	3.573	3.567	0.006	98	1031562	50.0	12.8	
17 Phenol	94	3.589	3.583	0.006	90	339266	12.5	4.08	
19 Bis(2-chloroethyl)ether	93	3.637	3.637	0.000	90	391344	12.5	5.64	
20 2-Chlorophenol	128	3.690	3.690	0.000	93	399766	12.5	8.57	
* 24 1,4-Dichlorobenzene-d4	152	3.888	3.888	0.000	97	164612	5.00	5.00	
32 2,2'-oxybis[1-chloropropane]	45	4.172	4.166	0.006	83	678252	12.5	7.14	
31 2-Methylphenol	108	4.172	4.172	0.000	94	374643	12.5	6.85	
35 Acetophenone	105	4.289	4.289	0.000	93	509621	12.5	5.50	
37 N-Nitrosodi-n-propylamine	70	4.295	4.295	0.000	89	314877	12.5	5.30	
36 4-Methylphenol	108	4.327	4.338	0.000	95	384163	12.5	6.53	
40 Hexachloroethane	117	4.375	4.375	0.000	96	123064	12.5	5.25	
$ 41 Nitrobenzene-d5	82	4.434	4.434	0.000	91	722118	25.0	9.60	
42 Nitrobenzene	77	4.450	4.450	0.000	90	427956	12.5	5.70	
46 Isophorone	82	4.685	4.685	0.000	99	862269	12.5	6.16	
47 2-Nitrophenol	139	4.760	4.760	0.000	93	215530	12.5	10.1	
48 2,4-Dimethylphenol	107	4.835	4.830	0.006	98	428191	12.5	7.40	
51 Bis(2-chloroethoxy)methane	93	4.915	4.915	0.000	95	519071	12.5	6.42	
52 2,4-Dichlorophenol	162	5.017	5.017	0.000	98	364058	12.5	10.3	
* 55 Naphthalene-d8	136	5.124	5.124	0.000	99	639950	5.00	5.00	
56 Naphthalene	128	5.145	5.145	0.000	97	894016	12.5	6.51	
57 4-Chloroaniline	127	5.209	5.209	0.000	93	274372	12.5	4.62	
60 Hexachlorobutadiene	225	5.268	5.268	0.000	94	157417	12.5	7.05	
64 Caprolactam	113	5.520	5.530	-0.010	75	34235	12.5	2.07	
66 4-Chloro-3-methylphenol	107	5.717	5.717	0.000	95	426111	12.5	8.24	
69 2-Methylnaphthalene	142	5.814	5.819	0.006	93	613226	12.5	7.47	
71 Hexachlorocyclopentadiene	237	5.963	5.963	0.000	92	85621	12.5	2.95	
72 1,2,4,5-Tetrachlorobenzene	216	5.969	5.969	0.000	97	310528	12.5	7.68	
74 2,4,6-Trichlorophenol	196	6.097	6.097	0.000	96	286741	12.5	11.2	
75 2,4,5-Trichlorophenol	196	6.151	6.151	0.000	95	313031	12.5	10.9	

Report Date: 26-May-2023 20:56:06 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2605.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 76 2-Fluorobiphenyl (Surr)	172	6.172	6.172	0.000	100	1255167	25.0	12.5	
79 1,1'-Biphenyl	154	6.263	6.263	0.000	96	803494	12.5	7.12	
80 2-Chloronaphthalene	162	6.268	6.274	-0.006	97	607809	12.5	6.98	
83 2-Nitroaniline	138	6.381	6.386	-0.005	75	220385	12.5	7.86	
86 Dimethyl phthalate	163	6.568	6.568	0.000	97	606389	12.5	5.88	
88 2,6-Dinitrotoluene	165	6.616	6.621	-0.005	88	180399	12.5	8.39	
90 Acenaphthylene	152	6.659	6.659	0.000	99	1033221	12.5	7.73	
91 3-Nitroaniline	138	6.771	6.776	-0.005	88	168841	12.5	6.65	
* 92 Acenaphthene-d10	164	6.793	6.792	0.001	95	371696	5.00	5.00	
93 Acenaphthene	153	6.825	6.825	0.000	97	658775	12.5	7.23	
94 2,4-Dinitrophenol	184	6.878	6.878	0.000	78	222754	25.0	19.7	
100 Dibenzofuran	168	6.990	6.990	0.000	97	951706	12.5	7.42	
99 2,4-Dinitrotoluene	165	6.996	7.001	-0.005	85	241065	12.5	7.94	
96 4-Nitrophenol	109	7.012	7.012	0.000	87	159232	25.0	9.41	
102 2,3,4,6-Tetrachlorophenol	232	7.119	7.081	0.038	76	241085	12.5	10.2	
104 Diethyl phthalate	149	7.236	7.242	-0.006	97	724123	12.5	6.93	
105 Fluorene	166	7.311	7.317	-0.006	93	796864	12.5	7.73	
108 4-Chlorophenyl phenyl ether	204	7.327	7.327	0.000	94	402467	12.5	8.37	
109 4-Nitroaniline	138	7.349	7.354	-0.005	82	207558	12.5	7.74	
110 4,6-Dinitro-2-methylphenol	198	7.376	7.376	-0.005	76	340998	25.0	24.2	
111 N-Nitrosodiphenylamine	169	7.440	7.440	-0.005	97	590763	10.6	7.32	
$ 113 2,4,6-Tribromophenol	330	7.541	7.547	-0.006	90	498310	50.0	31.4	
118 4-Bromophenyl phenyl ether	248	7.787	7.782	0.000	72	230541	12.5	8.58	
120 Hexachlorobenzene	284	7.825	7.820	0.000	94	282982	12.5	8.69	
122 Atrazine	200	7.964	7.959	0.000	87	199469	12.5	7.45	
123 Pentachlorophenol	266	8.028	8.023	0.000	90	298705	25.0	17.7	
* 127 Phenanthrene-d10	188	8.194	8.194	0.000	97	680442	5.00	5.00	
129 Phenanthrene	178	8.215	8.215	0.000	98	1240934	12.5	8.43	
130 Anthracene	178	8.263	8.258	0.000	98	1256403	12.5	8.56	
131 Carbazole	167	8.429	8.429	0.000	95	1130333	12.5	8.42	
133 Di-n-butyl phthalate	149	8.788	8.787	-0.005	99	1333676	12.5	8.32	
138 Fluoranthene	202	9.333	9.332	-0.005	99	1420330	12.5	9.43	
* 140 Pyrene-d10 (IS)	212	9.526	9.531	-0.005	97	645787	5.00	5.00	
141 Pyrene	202	9.542	9.542	-0.005	97	1516761	12.5	9.46	
$ 142 p-Terphenyl-d14	244	9.718	9.718	-0.005	97	1883684	25.0	17.3	
146 Butyl benzyl phthalate	149	10.210	10.205	0.000	94	477103	12.5	6.73	
148 3,3'-Dichlorobenzidine	252	10.718	10.718	-0.006	62	535513	25.0	10.2	
149 Benzo[a]anthracene	228	10.724	10.718	0.000	99	1243431	12.5	9.40	
151 Chrysene	228	10.756	10.755	-0.005	97	1296013	12.5	9.77	
152 Bis(2-ethylhexyl) phthalate	149	10.831	10.825	0.000	95	815503	12.5	8.36	
154 Di-n-octyl phthalate	149	11.585	11.585	-0.005	98	1263437	12.5	9.77	
155 Benzo[b]fluoranthene	252	11.954	11.965	-0.005	98	1093569	12.5	9.67	
157 Benzo[k]fluoranthene	252	11.986	11.986	-0.005	99	1232569	12.5	10.4	
158 Benzo[a]pyrene	252	12.355	12.430	-0.005	79	993895	12.5	10.4	
* 159 Perylene-d12	264	12.430	12.435	-0.005	96	466191	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276	13.842	13.841	-0.005	98	822233	12.5	9.74	M
164 Dibenz(a,h)anthracene	278	13.885	13.884	-0.005	93	919773	12.5	9.50	
165 Benzo[g,h,i]perylene	276	14.184	14.189	-0.011	96	1022299	12.5	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_IS_00022	Amount Added:	20.00	Units: uL	Run Reagent

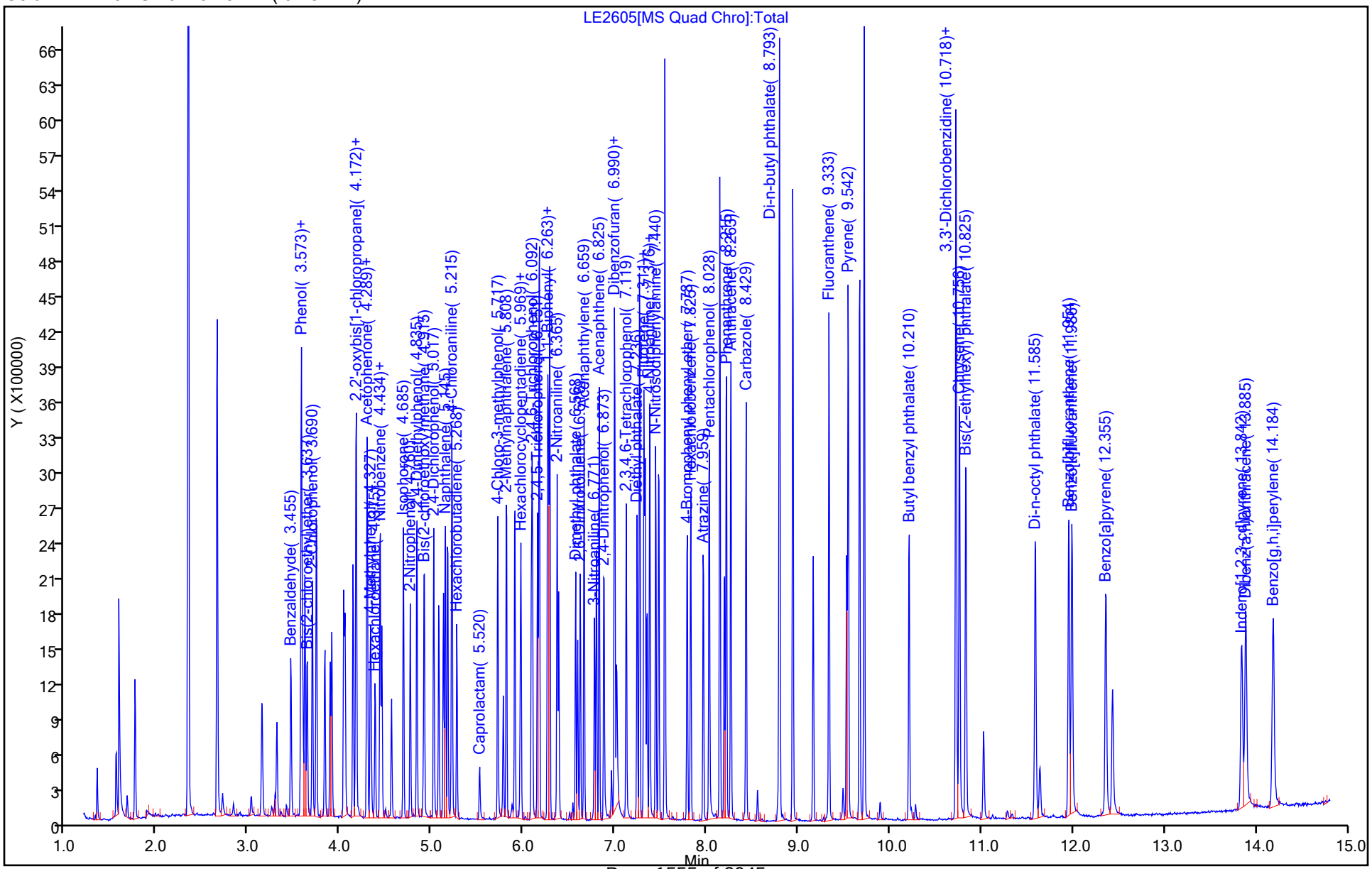
Report Date: 26-May-2023 20:56:06 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2605.D

Injection Date:	26-May-2023 11:58:03	Instrument ID:	HP20296	Operator ID:	msl46741
Lims ID:	LCS 410-380068/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2605.D
Lims ID: LCS 410-380068/2-A
Client ID:
Sample Type: LCS
Inject. Date: 26-May-2023 11:58:03 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-380068/2-A
Misc. Info.: 410-0085126-005
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 15:38:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	18.8	37.60
$ 16 Phenol-d5	50.0	12.8	25.67
$ 41 Nitrobenzene-d5	25.0	9.60	38.40
$ 76 2-Fluorobiphenyl (Surr)	25.0	12.5	49.81
$ 113 2,4,6-Tribromophenol	50.0	31.4	62.70
$ 142 p-Terphenyl-d14	25.0	17.3	69.30

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-382042/2-A

Matrix: Water
Lab File ID: DF0154.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:50

Sample wt/vol: 250(mL)
Date Analyzed: 06/01/2023 22:14

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 382151
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	*2,4-Dimethylphenol*	*42*		*10*	*3*
51-28-5	*2,4-Dinitrophenol*	*81*		*30*	*10*
95-57-8	*2-Chlorophenol*	*41*		*2*	*0.5*
86-74-8	*Carbazole*	*49*		*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)	91		13-138
321-60-8	2-Fluorobiphenyl (Surr)	70		44-120
367-12-4	2-Fluorophenol (Surr)	57		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	66		31-120
4165-62-2	Phenol-d5 (Surr)	41		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	92		30-125

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0154.D
Lims ID: LCS 410-382042/2-A
Client ID:
Sample Type: LCS
Inject. Date: 01-Jun-2023 22:14:53 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-382042/2-A
Misc. Info.: 410-0085584-005
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 12:12:53 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: UWHS Date: 02-Jun-2023 09:15:37

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	2.999	2.999	0.000	94	1319817	50.0	28.4	
323 2-Butoxyethanol	57	3.273	3.273	0.000	99	720441	13.2	14.9	
15 Benzaldehyde	77	3.827	3.827	0.000	96	385074	12.5	7.46	
$ 16 Phenol-d5	99	3.891	3.891	0.000	96	1377003	50.0	20.6	
17 Phenol	94	3.908	3.908	0.000	93	473457	12.5	6.90	
19 Bis(2-chloroethyl)ether	93	3.990	3.990	0.000	95	528386	12.5	9.33	
20 2-Chlorophenol	128	4.042	4.042	0.000	93	430802	12.5	10.3	
21 1,3-Dichlorobenzene	146	4.188	4.188	0.000	96	422224	12.5	8.88	
* 22 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	96	158914	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.258	4.264	-0.006	92	434643	12.5	8.72	
26 1,2-Dichlorobenzene	146	4.404	4.404	0.000	95	429518	12.5	9.35	
28 2-Methylphenol	108	4.491	4.491	0.000	86	443722	12.5	9.95	
29 2,2'-oxybis[1-chloropropane]	45	4.509	4.509	0.000	94	702482	12.5	9.70	
34 Acetophenone	105	4.631	4.631	0.000	89	715934	12.5	9.78	
33 N-Nitrosodi-n-propylamine	70	4.631	4.637	-0.006	75	411968	12.5	9.06	
32 4-Methylphenol	108	4.643	4.643	0.000	93	452282	12.5	9.57	
325 2-Butoxyethyl acetate	43	4.713	4.712	0.000	70	225376	12.5	5.65	
41 n,n'-Dimethylaniline	120	4.730	4.726	0.005	51	2060	NC	NC	
38 Hexachloroethane	117	4.730	4.730	0.000	95	164471	12.5	7.91	
$ 39 Nitrobenzene-d5	82	4.771	4.772	-0.006	88	1017102	25.0	16.6	
40 Nitrobenzene	77	4.794	4.788	0.000	85	675565	12.5	10.8	
43 Isophorone	82	5.022	5.016	0.000	96	1117859	12.5	10.4	
44 2-Nitrophenol	139	5.097	5.092	0.000	91	219460	12.5	11.7	
45 2,4-Dimethylphenol	107	5.150	5.144	0.000	97	489277	12.5	10.4	
47 Bis(2-chloroethoxy)methane	93	5.237	5.232	0.000	98	650687	12.5	9.89	
48 2,4-Dichlorophenol	162	5.336	5.331	0.000	96	368939	12.5	11.5	
49 1,2,4-Trichlorobenzene	180	5.406	5.406	-0.006	94	364913	12.5	9.37	
* 50 Naphthalene-d8	136	5.459	5.464	-0.005	99	582699	5.00	5.00	
51 Naphthalene	128	5.482	5.482	0.000	98	1237329	12.5	9.92	
53 4-Chloroaniline	127	5.540	5.534	0.000	93	386722	12.5	7.86	
56 Hexachlorobutadiene	225	5.604	5.604	0.000	95	200684	12.5	9.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
61 Caprolactam	113	5.849	5.855	-0.012	81	48903	12.5	3.77	
64 4-Chloro-3-methylphenol	107	6.018	6.012	0.000	93	465696	12.5	11.2	
66 2-Methylnaphthalene	142	6.147	6.140	0.001	92	827321	12.5	10.4	
68 Hexachlorocyclopentadiene	237	6.292	6.292	0.000	92	131650	12.5	4.94	
69 1,2,4,5-Tetrachlorobenzene	216	6.304	6.304	0.000	97	400517	12.5	9.31	
71 2,4,6-Trichlorophenol	196	6.415	6.415	-0.005	93	282114	12.5	11.3	
72 2,4,5-Trichlorophenol	196	6.455	6.456	-0.006	93	316109	12.5	11.7	
$ 73 2-Fluorobiphenyl (Surr)	172	6.496	6.496	0.000	99	1679018	25.0	17.5	
75 1,1'-Biphenyl	154	6.590	6.590	0.001	94	1070012	12.5	10.2	
76 2-Chloronaphthalene	162	6.607	6.601	0.000	95	786000	12.5	9.66	
79 2-Nitroaniline	138	6.706	6.700	0.000	77	290694	12.5	12.1	
85 Dimethyl phthalate	163	6.887	6.881	0.000	98	817895	12.5	9.04	
87 2,6-Dinitrotoluene	165	6.939	6.933	0.000	94	245981	12.5	12.9	
88 Acenaphthylene	152	6.998	6.992	0.001	99	1364425	12.5	10.5	
89 3-Nitroaniline	138	7.097	7.091	0.000	88	278694	12.5	13.4	
* 90 Acenaphthene-d10	164	7.132	7.131	0.001	93	336795	5.00	5.00	
91 Acenaphthene	153	7.161	7.155	0.000	96	884550	12.5	10.6	
92 2,4-Dinitrophenol	184	7.196	7.201	-0.005	85	259030	25.0	20.3	
93 4-Nitrophenol	109	7.283	7.277	0.000	83	220069	25.0	14.7	
95 2,4-Dinitrotoluene	165	7.318	7.312	0.000	90	341032	12.5	13.3	
96 Dibenzofuran	168	7.324	7.324	-0.006	96	1242996	12.5	10.8	
98 2,3,4,6-Tetrachlorophenol	232	7.446	7.446	0.000	73	259060	12.5	11.4	
100 Diethyl phthalate	149	7.557	7.557	-0.006	98	967673	12.5	11.4	
102 Fluorene	166	7.650	7.644	0.000	95	1030466	12.5	11.1	
103 4-Chlorophenyl phenyl ether	204	7.656	7.650	0.000	92	500690	12.5	10.9	
105 4-Nitroaniline	138	7.674	7.667	0.000	79	235135	12.5	10.4	
106 4,6-Dinitro-2-methylphenol	198	7.703	7.697	0.000	82	360123	25.0	26.2	
107 N-Nitrosodiphenylamine	169	7.767	7.773	-0.006	70	761202	10.6	11.0	
$ 109 2,4,6-Tribromophenol	330	7.878	7.878	0.000	92	525133	50.0	45.3	
116 4-Bromophenyl phenyl ether	248	8.117	8.117	-0.005	66	293808	12.5	12.2	
118 Hexachlorobenzene	284	8.163	8.163	-0.006	94	329694	12.5	12.8	
120 Atrazine	200	8.280	8.280	-0.006	91	263117	12.5	10.8	
121 Pentachlorophenol	266	8.356	8.356	-0.005	92	341830	25.0	22.2	
* 126 Phenanthrene-d10	188	8.530	8.536	-0.006	97	572510	5.00	5.00	
128 Phenanthrene	178	8.554	8.554	-0.006	98	1510501	12.5	12.1	
129 Anthracene	178	8.606	8.600	0.000	98	1535864	12.5	12.4	
130 Carbazole	167	8.764	8.757	0.000	96	1366057	12.5	12.3	
133 Di-n-butyl phthalate	149	9.113	9.107	0.000	100	1553058	12.5	13.0	
143 Fluoranthene	202	9.685	9.678	0.001	98	1572973	12.5	11.9	
* 149 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	99	533939	5.00	5.00	
150 Pyrene	202	9.894	9.894	-0.006	97	1659497	12.5	12.2	
$ 152 p-Terphenyl-d14	244	10.058	10.058	-0.005	97	2033205	25.0	23.1	
157 Butyl benzyl phthalate	149	10.559	10.559	-0.006	96	521432	12.5	10.5	
159 3,3'-Dichlorobenzidine	252	11.118	11.118	-0.006	74	658541	25.0	15.9	
161 Benzo[a]anthracene	228	11.130	11.123	0.000	99	1243004	12.5	11.4	
162 Chrysene	228	11.171	11.164	0.000	97	1224245	12.5	11.2	
163 Bis(2-ethylhexyl) phthalate	149	11.217	11.217	-0.006	98	758107	12.5	11.4	
165 Di-n-octyl phthalate	149	12.039	12.045	-0.006	99	1169367	12.5	12.9	
167 Benzo[b]fluoranthene	252	12.465	12.465	-0.006	97	1028341	12.5	11.7	
168 Benzo[k]fluoranthene	252	12.500	12.506	-0.011	99	1181949	12.5	12.8	
169 Benzo[a]pyrene	252	12.908	12.908	0.000	77	967541	12.5	12.7	
* 170 Perylene-d12	264	12.984	12.983	0.001	97	353439	5.00	5.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
174 Indeno[1,2,3-cd]pyrene	276	14.481	14.481	-0.006	99	775422	12.5	12.3	
175 Dibenz(a,h)anthracene	278	14.522	14.521	-0.006	93	935007	12.5	12.6	
176 Benzo[g,h,i]perylene	276	14.825	14.824	-0.006	98	949892	12.5	12.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

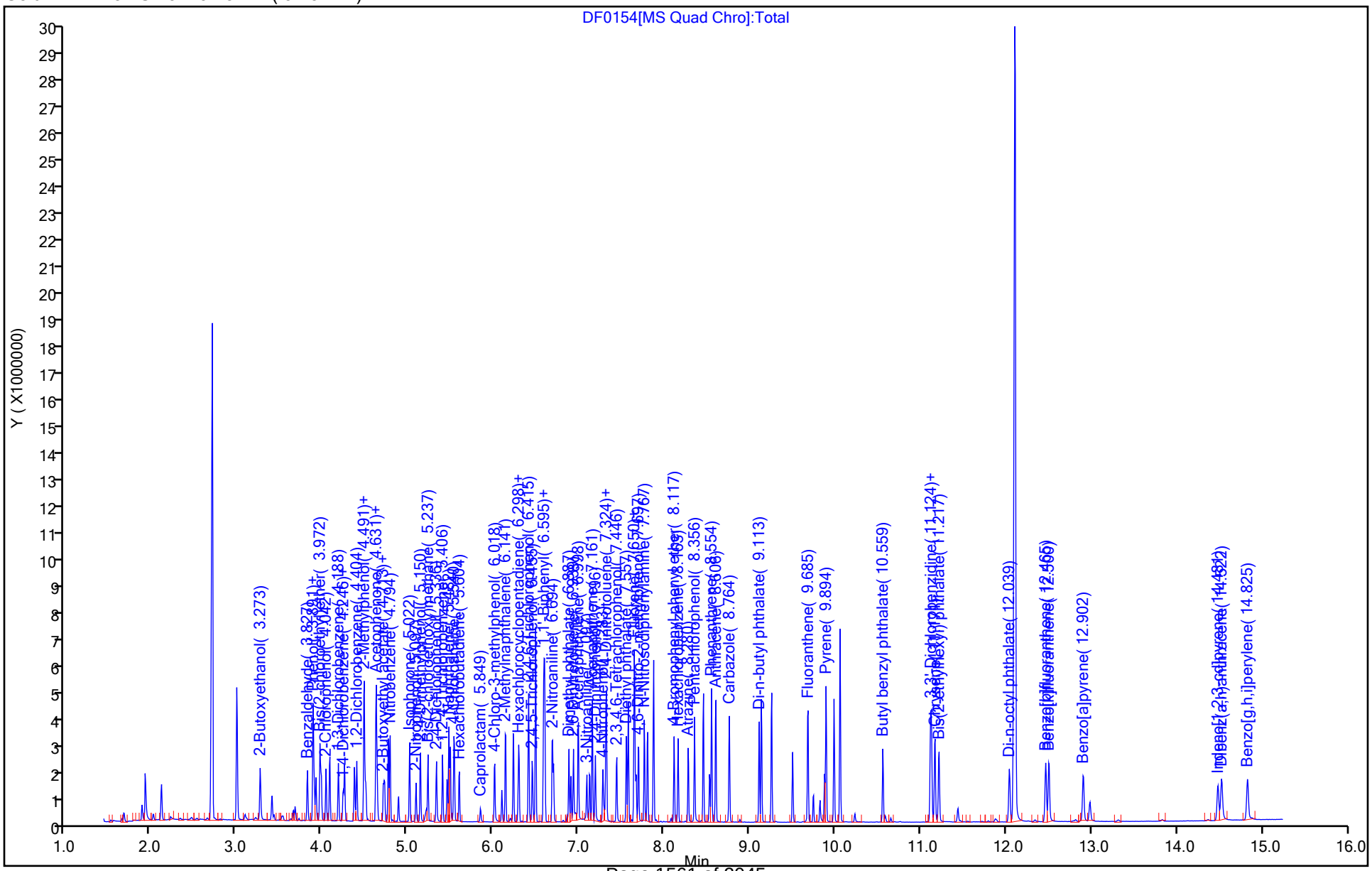
Report Date: 02-Jun-2023 12:13:08 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0154.D

Injection Date:	01-Jun-2023 22:14:53	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	LCS 410-382042/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
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\20230601-85584.b\DF0154.D
Lims ID: LCS 410-382042/2-A
Client ID:
Sample Type: LCS
Inject. Date: 01-Jun-2023 22:14:53 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-382042/2-A
Misc. Info.: 410-0085584-005
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 12:12:53 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: UWHS Date: 02-Jun-2023 09:15:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	28.4	56.75
$ 16 Phenol-d5	50.0	20.6	41.12
$ 39 Nitrobenzene-d5	25.0	16.6	66.45
$ 73 2-Fluorobiphenyl (Surr)	25.0	17.5	70.10
$ 109 2,4,6-Tribromophenol	50.0	45.3	90.57
$ 152 p-Terphenyl-d14	25.0	23.1	92.23

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-380068/3-A

Matrix: Water
Lab File ID: LE2606.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:30

Sample wt/vol: 250(mL)
Date Analyzed: 05/26/2023 12:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 380338
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	33		10	3
51-28-5	2,4-Dinitrophenol	91		30	10
95-57-8	2-Chlorophenol	35		2	0.5
86-74-8	Carbazole	33		2	0.5
108-95-2	Phenol	20		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	69		13-138
321-60-8	2-Fluorobiphenyl (Surr)	48		44-120
367-12-4	2-Fluorophenol (Surr)	44		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	38		31-120
4165-62-2	Phenol-d5 (Surr)	32		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	79		30-125

Report Date: 26-May-2023 20:56:08 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2606.D
Lims ID: LCSD 410-380068/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 26-May-2023 12:17:15 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-380068/3-A
Misc. Info.: 410-0085126-006
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 15:42:18

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	2.653	2.653	0.000	98	1212750	50.0	22.1	
15 Benzaldehyde	77	3.455	3.455	0.000	93	288543	12.5	4.18	
$ 16 Phenol-d5	99	3.573	3.567	0.006	98	1346712	50.0	16.0	
17 Phenol	94	3.583	3.583	0.000	96	440094	12.5	5.05	
19 Bis(2-chloroethyl)ether	93	3.637	3.637	0.000	90	405631	12.5	5.58	
20 2-Chlorophenol	128	3.690	3.690	0.000	91	429984	12.5	8.81	
* 24 1,4-Dichlorobenzene-d4	152	3.888	3.888	0.000	98	172325	5.00	5.00	
32 2,2'-oxybis[1-chloropropane]	45	4.172	4.166	0.006	82	696240	12.5	7.00	
31 2-Methylphenol	108	4.172	4.172	0.000	96	435604	12.5	7.61	
35 Acetophenone	105	4.289	4.289	0.000	93	528948	12.5	5.45	
37 N-Nitrosodi-n-propylamine	70	4.295	4.295	0.000	90	338441	12.5	5.44	
36 4-Methylphenol	108	4.327	4.338	0.000	95	449474	12.5	7.30	
40 Hexachloroethane	117	4.375	4.375	0.000	96	105977	12.5	4.32	
$ 41 Nitrobenzene-d5	82	4.434	4.434	0.000	92	736868	25.0	9.39	
42 Nitrobenzene	77	4.450	4.450	0.000	89	451924	12.5	5.77	
46 Isophorone	82	4.685	4.685	0.000	99	889441	12.5	6.09	
47 2-Nitrophenol	139	4.760	4.760	0.000	93	235540	12.5	10.6	
48 2,4-Dimethylphenol	107	4.835	4.830	0.006	99	492128	12.5	8.15	
51 Bis(2-chloroethoxy)methane	93	4.915	4.915	0.000	95	552991	12.5	6.56	
52 2,4-Dichlorophenol	162	5.017	5.017	0.000	97	396958	12.5	10.8	
* 55 Naphthalene-d8	136	5.124	5.124	0.000	99	667372	5.00	5.00	
56 Naphthalene	128	5.145	5.145	0.000	98	870356	12.5	6.08	
57 4-Chloroaniline	127	5.209	5.209	0.000	92	320089	12.5	5.16	
60 Hexachlorobutadiene	225	5.268	5.268	0.000	94	146956	12.5	6.31	
64 Caprolactam	113	5.519	5.530	-0.011	75	49552	12.5	2.87	
66 4-Chloro-3-methylphenol	107	5.717	5.717	0.000	95	462735	12.5	8.58	
69 2-Methylnaphthalene	142	5.814	5.819	0.006	92	594096	12.5	6.94	
71 Hexachlorocyclopentadiene	237	5.963	5.963	0.000	92	74355	12.5	2.47	
72 1,2,4,5-Tetrachlorobenzene	216	5.969	5.969	0.000	97	301091	12.5	7.18	
74 2,4,6-Trichlorophenol	196	6.097	6.097	0.000	95	312493	12.5	11.8	
75 2,4,5-Trichlorophenol	196	6.151	6.151	0.000	94	340083	12.5	11.4	

Report Date: 26-May-2023 20:56:08 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2606.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 76 2-Fluorobiphenyl (Surr)	172	6.172	6.172	0.000	100	1248856	25.0	11.9	
79 1,1'-Biphenyl	154	6.263	6.263	0.000	96	786170	12.5	6.72	
80 2-Chloronaphthalene	162	6.274	6.274	0.000	97	608110	12.5	6.73	
83 2-Nitroaniline	138	6.381	6.386	-0.005	76	235892	12.5	8.11	
86 Dimethyl phthalate	163	6.568	6.568	0.000	98	645215	12.5	6.03	
88 2,6-Dinitrotoluene	165	6.621	6.621	0.000	89	182175	12.5	8.16	
90 Acenaphthylene	152	6.659	6.659	0.000	99	1024344	12.5	7.39	
91 3-Nitroaniline	138	6.771	6.776	-0.005	87	188378	12.5	7.15	
* 92 Acenaphthene-d10	164	6.792	6.792	0.000	93	385728	5.00	5.00	
93 Acenaphthene	153	6.825	6.825	0.000	97	662815	12.5	7.01	
94 2,4-Dinitrophenol	184	6.878	6.878	0.000	79	267616	25.0	22.8	
100 Dibenzofuran	168	6.990	6.990	0.000	97	965996	12.5	7.26	
99 2,4-Dinitrotoluene	165	6.996	7.001	-0.005	87	259430	12.5	8.24	
96 4-Nitrophenol	109	7.012	7.012	0.000	86	200197	25.0	11.4	
102 2,3,4,6-Tetrachlorophenol	232	7.119	7.081	0.038	74	271500	12.5	11.0	
104 Diethyl phthalate	149	7.236	7.242	-0.006	97	790619	12.5	7.29	
105 Fluorene	166	7.311	7.317	-0.006	93	795992	12.5	7.44	
108 4-Chlorophenyl phenyl ether	204	7.327	7.327	0.000	95	382615	12.5	7.67	
109 4-Nitroaniline	138	7.349	7.354	-0.005	83	227559	12.5	8.18	
110 4,6-Dinitro-2-methylphenol	198	7.375	7.376	-0.006	76	380050	25.0	25.7	
111 N-Nitrosodiphenylamine	169	7.440	7.440	-0.005	98	598995	10.6	7.09	
$ 113 2,4,6-Tribromophenol	330	7.541	7.547	-0.006	90	572286	50.0	34.7	
118 4-Bromophenyl phenyl ether	248	7.787	7.782	0.000	73	229396	12.5	8.15	
120 Hexachlorobenzene	284	7.825	7.820	0.000	94	279031	12.5	8.18	
122 Atrazine	200	7.964	7.959	0.000	89	213465	12.5	7.61	
123 Pentachlorophenol	266	8.028	8.023	0.000	91	358523	25.0	20.2	
* 127 Phenanthrene-d10	188	8.194	8.194	0.000	97	712891	5.00	5.00	
129 Phenanthrene	178	8.215	8.215	0.000	98	1234704	12.5	8.00	
130 Anthracene	178	8.263	8.258	0.000	98	1284837	12.5	8.35	
131 Carbazole	167	8.429	8.429	0.000	95	1147118	12.5	8.16	
133 Di-n-butyl phthalate	149	8.787	8.787	-0.006	99	1381008	12.5	8.23	
138 Fluoranthene	202	9.333	9.332	-0.005	98	1417878	12.5	8.99	
* 140 Pyrene-d10 (IS)	212	9.526	9.531	-0.005	97	674452	5.00	5.00	
141 Pyrene	202	9.542	9.542	-0.005	96	1536827	12.5	9.18	
$ 142 p-Terphenyl-d14	244	9.718	9.718	-0.005	97	2239567	25.0	19.7	
146 Butyl benzyl phthalate	149	10.210	10.205	0.000	95	527133	12.5	7.12	
148 3,3'-Dichlorobenzidine	252	10.718	10.718	-0.006	62	569762	25.0	10.4	
149 Benzo[a]anthracene	228	10.724	10.718	0.000	100	1309075	12.5	9.48	
151 Chrysene	228	10.761	10.755	0.000	98	1382536	12.5	9.98	
152 Bis(2-ethylhexyl) phthalate	149	10.831	10.825	0.000	96	922612	12.5	9.06	
154 Di-n-octyl phthalate	149	11.585	11.585	-0.005	98	1447782	12.5	10.6	
155 Benzo[b]fluoranthene	252	11.954	11.965	-0.005	98	1139185	12.5	9.55	
157 Benzo[k]fluoranthene	252	11.986	11.986	-0.005	99	1312133	12.5	10.4	
158 Benzo[a]pyrene	252	12.360	12.430	0.000	79	1025640	12.5	10.2	
* 159 Perylene-d12	264	12.430	12.435	-0.005	96	492010	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276	13.842	13.841	-0.005	98	896812	12.5	10.1	M
164 Dibenz(a,h)anthracene	278	13.885	13.884	-0.005	92	1052703	12.5	10.3	
165 Benzo[g,h,i]perylene	276	14.184	14.189	-0.011	97	1128274	12.5	10.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_IS_00022	Amount Added:	20.00	Units: uL	Run Reagent

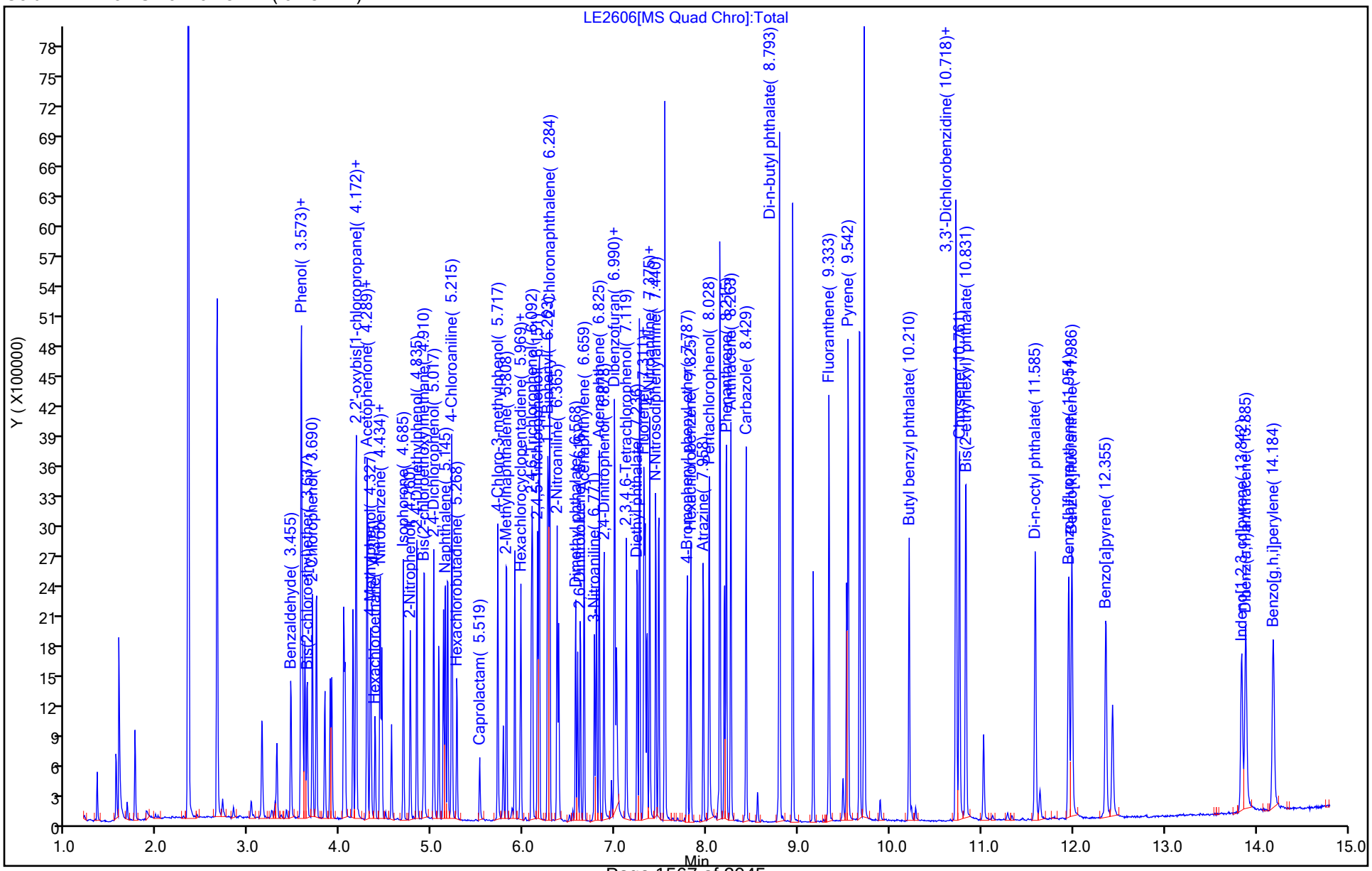
Report Date: 26-May-2023 20:56:08 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2606.D

Injection Date:	26-May-2023 12:17:15	Instrument ID:	HP20296	Operator ID:	msl46741
Lims ID:	LCSD 410-380068/3-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Report Date: 26-May-2023 20:56:08 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2606.D
Lims ID: LCSD 410-380068/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 26-May-2023 12:17:15 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-380068/3-A
Misc. Info.: 410-0085126-006
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 15:42:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	22.1	44.23
$ 16 Phenol-d5	50.0	16.0	32.02
$ 41 Nitrobenzene-d5	25.0	9.39	37.57
$ 76 2-Fluorobiphenyl (Surr)	25.0	11.9	47.75
$ 113 2,4,6-Tribromophenol	50.0	34.7	69.39
$ 142 p-Terphenyl-d14	25.0	19.7	78.89

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-382042/3-A

Matrix: Water
Lab File ID: DF0155.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:50

Sample wt/vol: 250(mL)
Date Analyzed: 06/01/2023 22:35

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.: 382151
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	*2,4-Dimethylphenol*	*37*		*10*	*3*
51-28-5	*2,4-Dinitrophenol*	*83*		*30*	*10*
95-57-8	*2-Chlorophenol*	*39*		*2*	*0.5*
86-74-8	*Carbazole*	*46*		*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)	91		13-138
321-60-8	2-Fluorobiphenyl (Surr)	65		44-120
367-12-4	2-Fluorophenol (Surr)	50		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	61		31-120
4165-62-2	Phenol-d5 (Surr)	34		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	83		30-125

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0155.D
Lims ID: LCSD 410-382042/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 01-Jun-2023 22:35:03 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-382042/3-A
Misc. Info.: 410-0085584-006
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 12:12:53 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: P7EB Date: 02-Jun-2023 00:18:37

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	2.999	2.999	0.000	94	1243323	50.0	25.0	
323 2-Butoxyethanol	57	3.273	3.273	0.000	99	679619	13.2	13.2	
15 Benzaldehyde	77	3.827	3.827	0.000	95	370555	12.5	6.72	
$ 16 Phenol-d5	99	3.891	3.891	0.000	96	1214495	50.0	17.0	
17 Phenol	94	3.908	3.908	0.000	91	436726	12.5	5.97	
19 Bis(2-chloroethyl)ether	93	3.990	3.990	0.000	95	522983	12.5	8.65	
20 2-Chlorophenol	128	4.042	4.042	0.000	93	437149	12.5	9.80	
21 1,3-Dichlorobenzene	146	4.188	4.188	0.000	95	429978	12.5	8.47	
* 22 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	97	169617	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.258	4.264	-0.006	91	436375	12.5	8.20	
26 1,2-Dichlorobenzene	146	4.404	4.404	0.000	95	426401	12.5	8.70	
28 2-Methylphenol	108	4.491	4.491	0.000	90	428557	12.5	9.01	
29 2,2'-oxybis[1-chloropropane]	45	4.509	4.509	0.000	95	684773	12.5	8.86	
34 Acetophenone	105	4.625	4.631	-0.006	89	698517	12.5	8.94	
33 N-Nitrosodi-n-propylamine	70	4.631	4.637	-0.006	74	399568	12.5	8.24	
32 4-Methylphenol	108	4.637	4.643	-0.006	93	432766	12.5	8.58	
325 2-Butoxyethyl acetate	43	4.713	4.712	0.000	70	235302	12.5	5.52	
41 n,n'-Dimethylaniline	120	4.730	4.726	0.005	53	2048	NC	NC	
38 Hexachloroethane	117	4.730	4.730	0.000	95	167949	12.5	7.56	
$ 39 Nitrobenzene-d5	82	4.771	4.772	-0.006	87	1005976	25.0	15.3	
40 Nitrobenzene	77	4.794	4.788	0.000	85	659305	12.5	9.86	
43 Isophorone	82	5.022	5.016	0.000	96	1054645	12.5	9.16	
44 2-Nitrophenol	139	5.097	5.092	0.000	91	219020	12.5	10.9	
45 2,4-Dimethylphenol	107	5.150	5.144	0.000	97	470972	12.5	9.37	
47 Bis(2-chloroethoxy)methane	93	5.237	5.232	0.000	98	617643	12.5	8.76	
48 2,4-Dichlorophenol	162	5.336	5.331	0.000	96	363239	12.5	10.5	
49 1,2,4-Trichlorobenzene	180	5.406	5.406	-0.006	94	359440	12.5	8.61	
* 50 Naphthalene-d8	136	5.459	5.464	-0.005	99	624484	5.00	5.00	
51 Naphthalene	128	5.482	5.482	0.000	97	1211972	12.5	9.06	
53 4-Chloroaniline	127	5.540	5.534	0.000	94	377600	12.5	7.16	
56 Hexachlorobutadiene	225	5.604	5.604	0.000	95	196298	12.5	8.26	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
61 Caprolactam	113	5.849	5.855	-0.012	80	39245	12.5	2.82	
64 4-Chloro-3-methylphenol	107	6.012	6.012	-0.006	93	450228	12.5	10.1	
66 2-Methylnaphthalene	142	6.141	6.140	-0.005	92	790232	12.5	9.27	
68 Hexachlorocyclopentadiene	237	6.292	6.292	0.000	93	128790	12.5	4.75	
69 1,2,4,5-Tetrachlorobenzene	216	6.304	6.304	0.000	97	389153	12.5	8.88	
71 2,4,6-Trichlorophenol	196	6.415	6.415	-0.005	93	273063	12.5	10.8	
72 2,4,5-Trichlorophenol	196	6.455	6.456	-0.006	93	316993	12.5	11.5	
$ 73 2-Fluorobiphenyl (Surr)	172	6.496	6.496	0.000	100	1575065	25.0	16.1	
75 1,1'-Biphenyl	154	6.589	6.590	0.000	94	1002457	12.5	9.35	
76 2-Chloronaphthalene	162	6.607	6.601	0.000	95	745323	12.5	8.99	
79 2-Nitroaniline	138	6.706	6.700	0.000	77	281649	12.5	11.5	
85 Dimethyl phthalate	163	6.887	6.881	0.000	98	816546	12.5	8.86	
87 2,6-Dinitrotoluene	165	6.939	6.933	0.000	93	239450	12.5	12.3	
88 Acenaphthylene	152	6.997	6.992	0.000	99	1272756	12.5	9.60	
89 3-Nitroaniline	138	7.097	7.091	-0.001	87	260985	12.5	12.3	
* 90 Acenaphthene-d10	164	7.131	7.131	0.000	94	343099	5.00	5.00	
91 Acenaphthene	153	7.161	7.155	0.000	96	822480	12.5	9.72	
92 2,4-Dinitrophenol	184	7.196	7.201	-0.005	86	271085	25.0	20.7	
93 4-Nitrophenol	109	7.283	7.277	0.000	82	195683	25.0	12.9	
95 2,4-Dinitrotoluene	165	7.318	7.312	0.000	90	331869	12.5	12.7	
96 Dibenzofuran	168	7.324	7.324	-0.006	96	1170807	12.5	9.97	
98 2,3,4,6-Tetrachlorophenol	232	7.446	7.446	0.000	74	259363	12.5	11.2	
100 Diethyl phthalate	149	7.557	7.557	-0.006	98	960088	12.5	11.1	
102 Fluorene	166	7.650	7.644	0.000	94	979283	12.5	10.3	
103 4-Chlorophenyl phenyl ether	204	7.656	7.650	0.000	94	477958	12.5	10.2	
105 4-Nitroaniline	138	7.674	7.667	0.000	80	224248	12.5	9.70	
106 4,6-Dinitro-2-methylphenol	198	7.703	7.697	0.000	83	376370	25.0	26.1	
107 N-Nitrosodiphenylamine	169	7.767	7.773	-0.006	63	732154	10.6	10.1	
$ 109 2,4,6-Tribromophenol	330	7.878	7.878	0.000	92	535792	50.0	45.4	
116 4-Bromophenyl phenyl ether	248	8.117	8.117	-0.005	66	293145	12.5	11.6	
118 Hexachlorobenzene	284	8.163	8.163	-0.006	94	317660	12.5	11.7	
120 Atrazine	200	8.280	8.280	-0.006	91	257676	12.5	10.1	
121 Pentachlorophenol	266	8.355	8.356	-0.006	92	347489	25.0	21.5	
* 126 Phenanthrene-d10	188	8.530	8.536	-0.006	97	600256	5.00	5.00	
128 Phenanthrene	178	8.554	8.554	-0.006	98	1468675	12.5	11.2	
129 Anthracene	178	8.606	8.600	0.000	98	1490014	12.5	11.5	
130 Carbazole	167	8.763	8.757	-0.001	96	1326649	12.5	11.4	
133 Di-n-butyl phthalate	149	9.113	9.107	0.000	100	1510963	12.5	12.0	
143 Fluoranthene	202	9.684	9.678	0.000	98	1535050	12.5	11.1	
* 149 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	99	555916	5.00	5.00	
150 Pyrene	202	9.894	9.894	-0.006	97	1585601	12.5	11.2	
$ 152 p-Terphenyl-d14	244	10.057	10.058	-0.006	97	1898037	25.0	20.7	
157 Butyl benzyl phthalate	149	10.559	10.559	-0.006	96	516629	12.5	10.0	
159 3,3'-Dichlorobenzidine	252	11.118	11.118	-0.006	74	642380	25.0	14.9	
161 Benzo[a]anthracene	228	11.130	11.123	0.000	99	1187115	12.5	10.5	
162 Chrysene	228	11.171	11.164	0.000	97	1177256	12.5	10.4	
163 Bis(2-ethylhexyl) phthalate	149	11.217	11.217	-0.006	98	689653	12.5	9.98	
165 Di-n-octyl phthalate	149	12.039	12.045	-0.006	99	1051034	12.5	11.2	
167 Benzo[b]fluoranthene	252	12.465	12.465	-0.006	97	994100	12.5	10.9	
168 Benzo[k]fluoranthene	252	12.500	12.506	-0.011	99	1093242	12.5	11.4	
169 Benzo[a]pyrene	252	12.902	12.908	-0.006	77	890714	12.5	11.3	
* 170 Perylene-d12	264	12.978	12.983	-0.005	98	367384	5.00	5.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
174 Indeno[1,2,3-cd]pyrene	276	14.481	14.481	-0.006	99	711265	12.5	10.8	
175 Dibenz(a,h)anthracene	278	14.522	14.521	-0.006	92	838370	12.5	10.8	
176 Benzo[g,h,i]perylene	276	14.825	14.824	-0.006	98	863587	12.5	11.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 02-Jun-2023 12:13:11 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0155.D

Injection Date: 01-Jun-2023 22:35:03 Instrument ID: HP19760 Operator ID: mem41592

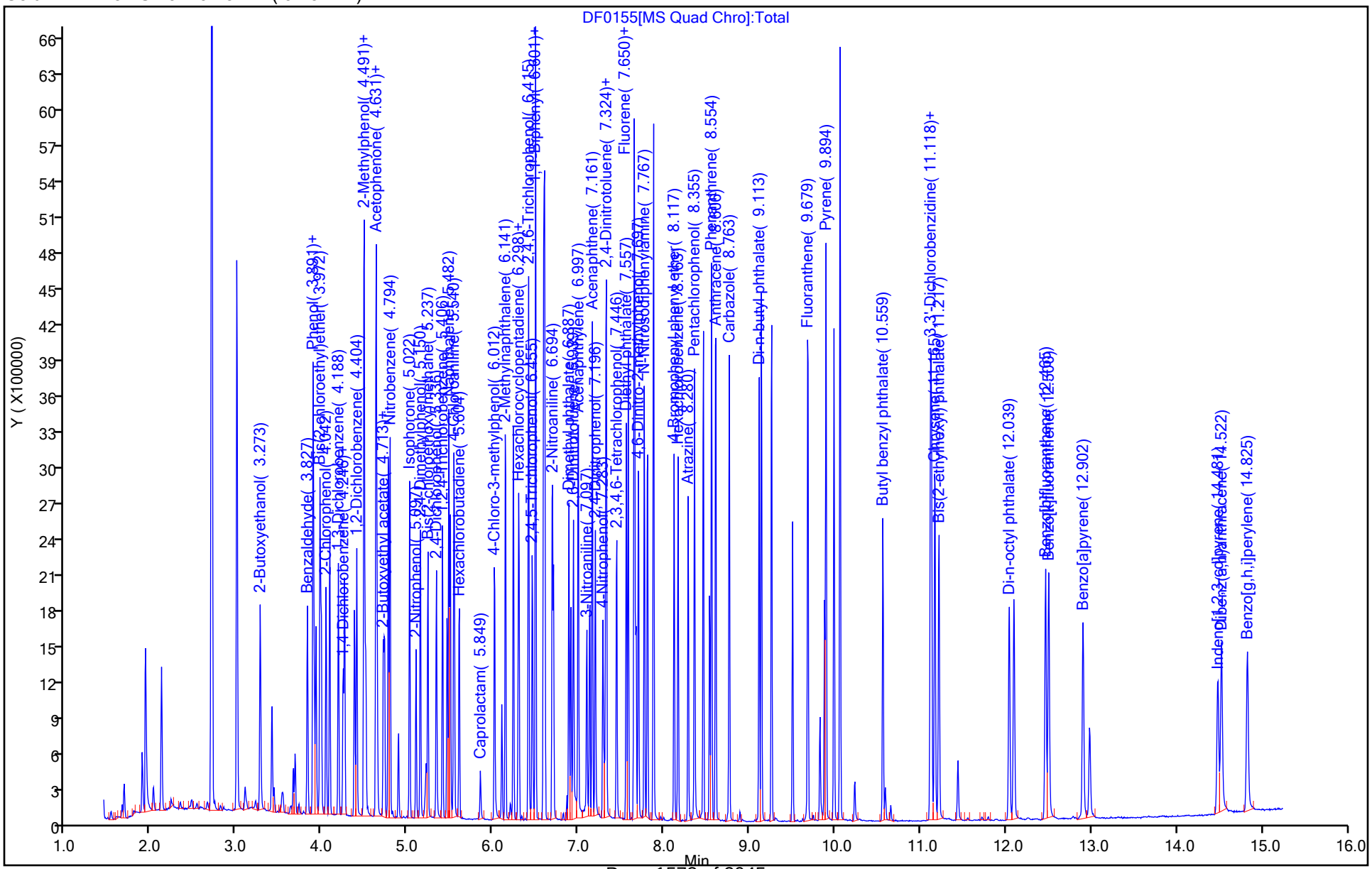
Lims ID: LCSD 410-382042/3-A Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

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\20230601-85584.b\DF0155.D
Lims ID: LCSD 410-382042/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 01-Jun-2023 22:35:03 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-382042/3-A
Misc. Info.: 410-0085584-006
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 12:12:53 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: P7EB Date: 02-Jun-2023 00:18:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	25.0	50.09
$ 16 Phenol-d5	50.0	17.0	33.98
$ 39 Nitrobenzene-d5	25.0	15.3	61.32
$ 73 2-Fluorobiphenyl (Surr)	25.0	16.1	64.55
$ 109 2,4,6-Tribromophenol	50.0	45.4	90.71
$ 152 p-Terphenyl-d14	25.0	20.7	82.70

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MS_052023 MS
Lab Sample ID: 410-127407-3 MS

Matrix: Water
Lab File ID: LE2616.D

Analysis Method: 8270D
Date Collected: 05/18/2023 10:43

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:30

Sample wt/vol: 246.9(mL)
Date Analyzed: 05/26/2023 15:30

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 380338
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	35		10	3
51-28-5	2,4-Dinitrophenol	76		30	10
95-57-8	2-Chlorophenol	33		2	0.5
86-74-8	Carbazole	51		2	0.5
108-95-2	Phenol	16		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	64		13-138
321-60-8	2-Fluorobiphenyl (Surr)	69		44-120
367-12-4	2-Fluorophenol (Surr)	35		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	54		31-120
4165-62-2	Phenol-d5 (Surr)	25		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	77		30-125

Report Date: 26-May-2023 20:56:28 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2616.D
Lims ID: 410-127407-B-3-A MS
Client ID: FBW001-MS_052023
Sample Type: MS
Inject. Date: 26-May-2023 15:30:08 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-B-3-A MS
Misc. Info.: 410-0085126-016
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 18:04:02

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	2.653	2.653	0.000	97	976333	50.0	17.4	
$ 16 Phenol-d5	99	3.573	3.567	0.006	98	1070569	50.0	12.5	
17 Phenol	94	3.589	3.583	0.006	95	345813	12.5	3.89	
20 2-Chlorophenol	128	3.690	3.690	0.000	93	400475	12.5	8.04	
* 24 1,4-Dichlorobenzene-d4	152	3.888	3.888	0.000	97	175967	5.00	5.00	
$ 41 Nitrobenzene-d5	82	4.434	4.434	0.000	91	1062278	25.0	13.5	
48 2,4-Dimethylphenol	107	4.835	4.830	0.006	98	520590	12.5	8.61	
* 55 Naphthalene-d8	136	5.124	5.124	0.000	99	668425	5.00	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.172	6.172	0.000	100	1851075	25.0	17.3	
* 92 Acenaphthene-d10	164	6.792	6.792	0.000	94	393790	5.00	5.00	
94 2,4-Dinitrophenol	184	6.878	6.878	0.000	80	223448	25.0	18.7	
$ 113 2,4,6-Tribromophenol	330	7.541	7.547	-0.006	90	536643	50.0	31.9	
* 127 Phenanthrene-d10	188	8.188	8.194	-0.006	97	705879	5.00	5.00	
131 Carbazole	167	8.429	8.429	0.000	96	1736837	12.5	12.5	
* 140 Pyrene-d10 (IS)	212	9.526	9.531	-0.005	97	668796	5.00	5.00	
$ 142 p-Terphenyl-d14	244	9.718	9.718	-0.005	97	2178614	25.0	19.3	
* 159 Perylene-d12	264	12.430	12.435	-0.005	97	499846	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

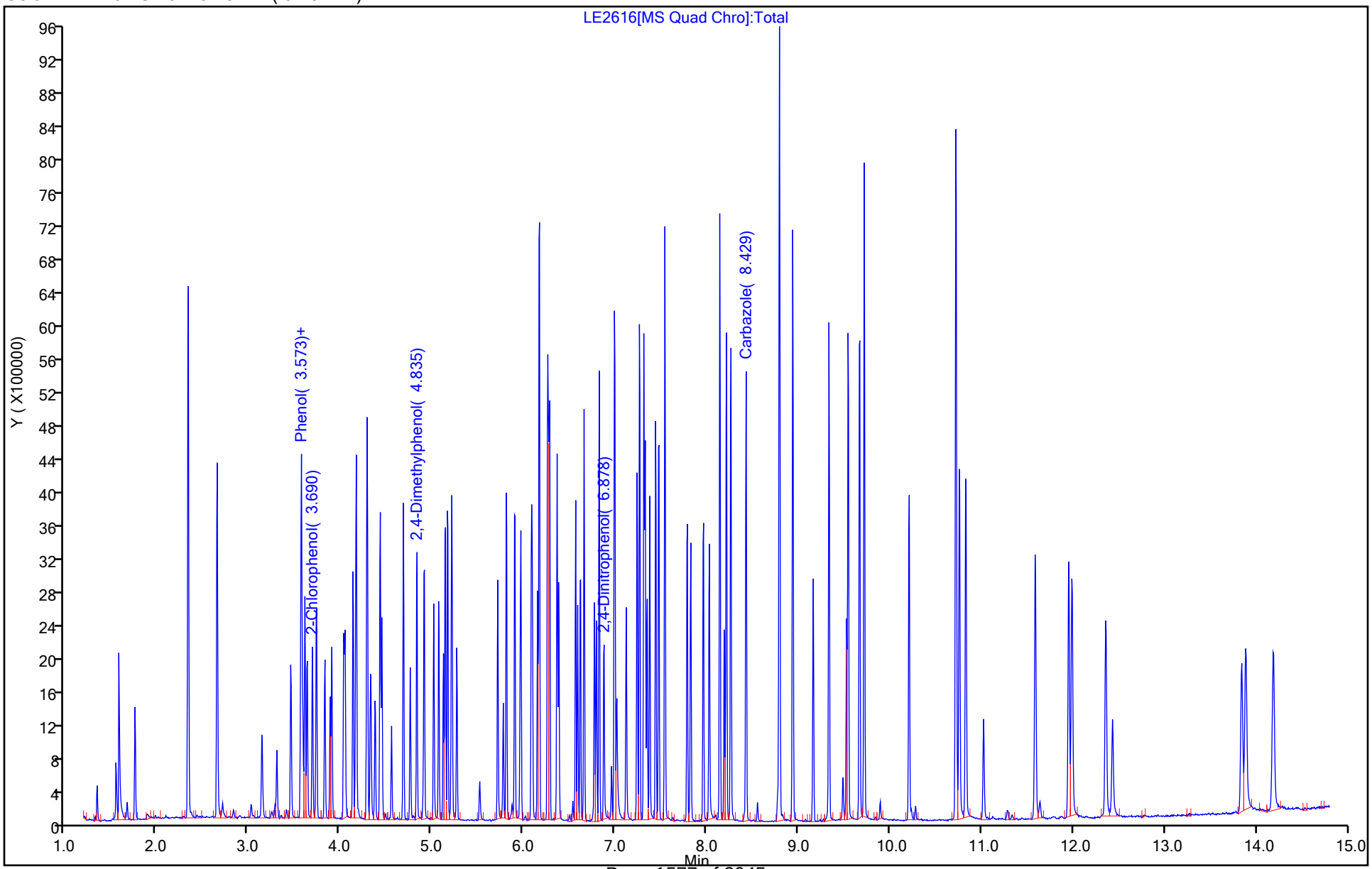
Report Date: 26-May-2023 20:56:28 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2616.D

Injection Date:	26-May-2023 15:30:08	Instrument ID:	HP20296	Operator ID:	msl46741
Lims ID:	410-127407-B-3-A MS			Worklist Smp#:	16
Client ID:	FBW001-MS_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2616.D
Lims ID: 410-127407-B-3-A MS
Client ID: FBW001-MS_052023
Sample Type: MS
Inject. Date: 26-May-2023 15:30:08 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-B-3-A MS
Misc. Info.: 410-0085126-016
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 18:04:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	17.4	34.87
$ 16 Phenol-d5	50.0	12.5	24.92
$ 41 Nitrobenzene-d5	25.0	13.5	54.08
$ 76 2-Fluorobiphenyl (Surr)	25.0	17.3	69.33
$ 113 2,4,6-Tribromophenol	50.0	31.9	63.74
$ 142 p-Terphenyl-d14	25.0	19.3	77.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MS_052023 MS RE
Lab Sample ID: 410-127407-3 MS RE

Matrix: Water
Lab File ID: DF0165.D

Analysis Method: 8270D
Date Collected: 05/18/2023 10:43

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:50

Sample wt/vol: 244.5(mL)
Date Analyzed: 06/02/2023 01:56

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.: 382151
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	*2,4-Dimethylphenol*	*43*		*10*	*3*
51-28-5	*2,4-Dinitrophenol*	*83*		*30*	*10*
95-57-8	*2-Chlorophenol*	*45*		*2*	*0.5*
86-74-8	*Carbazole*	*51*		*2*	*0.5*
108-95-2	*Phenol*	*27*		*2*	*0.5*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	98		13-138
321-60-8	2-Fluorobiphenyl (Surr)	70		44-120
367-12-4	2-Fluorophenol (Surr)	56		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	67		31-120
4165-62-2	Phenol-d5 (Surr)	38		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	94		30-125

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0165.D
Lims ID: 410-127407-C-3-A MS RE
Client ID: FBW001-MS_052023
Sample Type: MS
Inject. Date: 02-Jun-2023 01:56:57 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-C-3-A MS
Misc. Info.: 410-0085584-016
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 12:12:53 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: AH7C Date: 02-Jun-2023 11:51:25

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	2.999	2.999	0.000	94	1106416	50.0	28.0	
$ 16 Phenol-d5	99	3.891	3.891	0.000	96	1077291	50.0	19.0	
17 Phenol	94	3.908	3.908	0.000	91	380049	12.5	6.53	
20 2-Chlorophenol	128	4.042	4.042	0.000	93	390536	12.5	11.0	
* 22 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	97	134773	5.00	5.00	
$ 39 Nitrobenzene-d5	82	4.777	4.772	0.000	87	887434	25.0	16.7	
45 2,4-Dimethylphenol	107	5.150	5.144	0.000	97	422762	12.5	10.4	
* 50 Naphthalene-d8	136	5.459	5.464	-0.005	100	504524	5.00	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.496	6.496	0.000	100	1429095	25.0	17.6	
* 90 Acenaphthene-d10	164	7.131	7.131	0.000	94	285673	5.00	5.00	
92 2,4-Dinitrophenol	184	7.195	7.201	-0.006	86	219815	25.0	20.3	
$ 109 2,4,6-Tribromophenol	330	7.877	7.878	-0.001	93	481146	50.0	48.9	
* 126 Phenanthrene-d10	188	8.530	8.536	-0.006	98	515257	5.00	5.00	
130 Carbazole	167	8.763	8.757	-0.001	96	1234453	12.5	12.4	
* 149 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	99	485225	5.00	5.00	
$ 152 p-Terphenyl-d14	244	10.057	10.058	-0.006	97	1874056	25.0	23.4	
* 170 Perylene-d12	264	12.983	12.983	0.000	98	325715	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

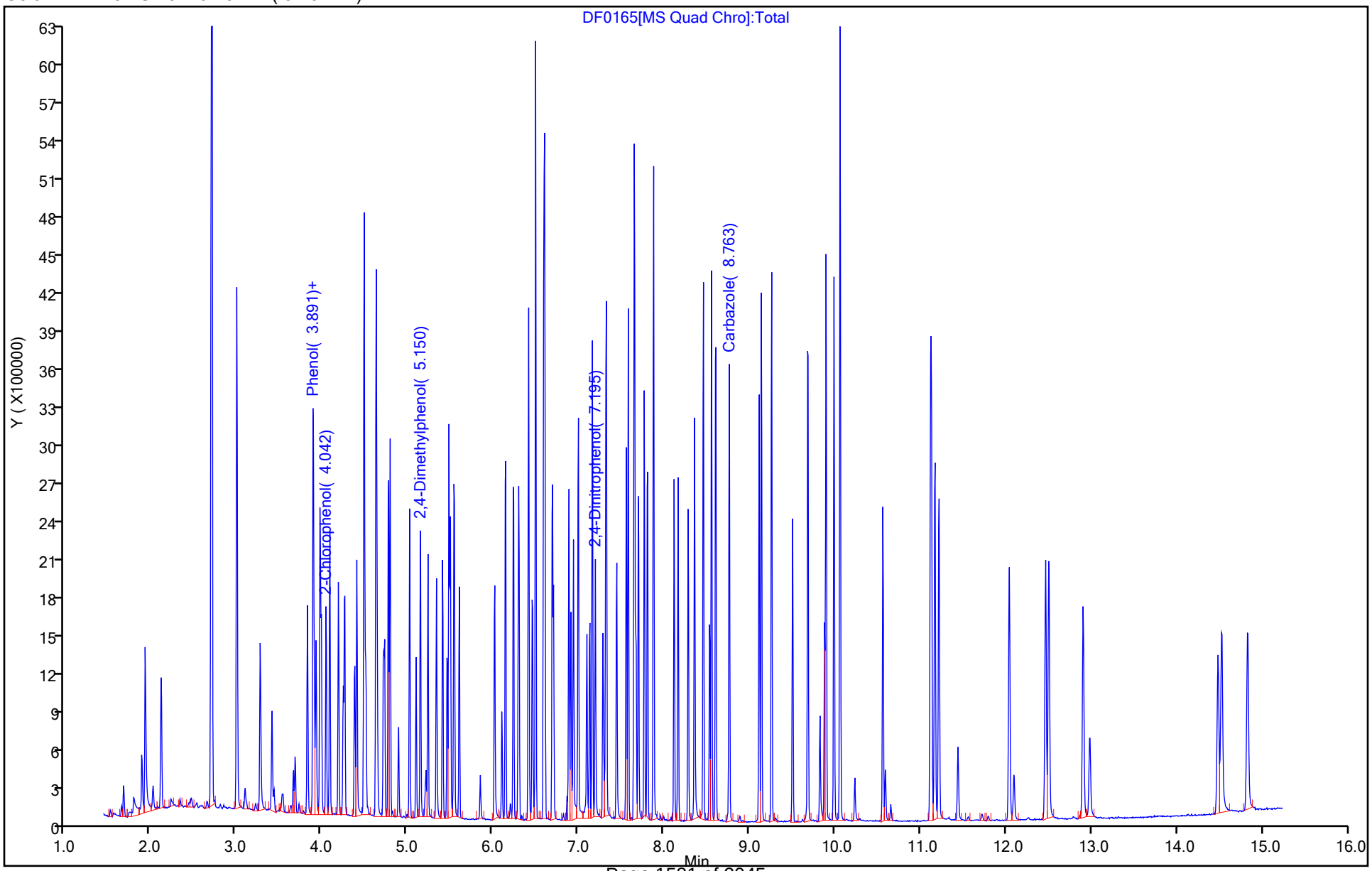
Report Date: 02-Jun-2023 12:13:40 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0165.D

Injection Date:	02-Jun-2023 01:56:57	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-127407-C-3-A MS RE			Worklist Smp#:	16
Client ID:	FBW001-MS_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
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\20230601-85584.b\DF0165.D				
Lims ID:	410-127407-C-3-A MS RE				
Client ID:	FBW001-MS_052023				
Sample Type:	MS				
Inject. Date:	02-Jun-2023 01:56:57	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-C-3-A MS				
Misc. Info.:	410-0085584-016				
Operator ID:	mem41592	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	02-Jun-2023 12:12:53	Calib Date:	10-Apr-2023 21:02:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1616				

First Level Reviewer: AH7C Date: 02-Jun-2023 11:51:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	28.0	56.10
$ 16 Phenol-d5	50.0	19.0	37.93
$ 39 Nitrobenzene-d5	25.0	16.7	66.96
$ 73 2-Fluorobiphenyl (Surr)	25.0	17.6	70.34
$ 109 2,4,6-Tribromophenol	50.0	48.9	97.84
$ 152 p-Terphenyl-d14	25.0	23.4	93.55

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MSD_052023 MSD
Lab Sample ID: 410-127407-3 MSD

Matrix: Water
Lab File ID: LE2617.D

Analysis Method: 8270D
Date Collected: 05/18/2023 10:43

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:30

Sample wt/vol: 246.3(mL)
Date Analyzed: 05/26/2023 15:49

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 380338
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	35		10	3
51-28-5	2,4-Dinitrophenol	75		30	10
95-57-8	2-Chlorophenol	36		2	0.5
86-74-8	Carbazole	45		2	0.5
108-95-2	Phenol	18		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	67		13-138
321-60-8	2-Fluorobiphenyl (Surr)	65		44-120
367-12-4	2-Fluorophenol (Surr)	42		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	53		31-120
4165-62-2	Phenol-d5 (Surr)	28		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	79		30-125

Report Date: 26-May-2023 20:56:30 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2617.D
Lims ID: 410-127407-B-3-B MSD
Client ID: FBW001-MSD_052023
Sample Type: MSD
Inject. Date: 26-May-2023 15:49:25 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-B-3-B MSD
Misc. Info.: 410-0085126-017
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 18:04:25

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	2.653	2.653	0.000	98	1016814	50.0	20.8	
$ 16 Phenol-d5	99	3.573	3.567	0.006	98	1065805	50.0	14.2	
17 Phenol	94	3.589	3.583	0.006	82	348334	12.5	4.48	
20 2-Chlorophenol	128	3.690	3.690	0.000	91	387047	12.5	8.88	
* 24 1,4-Dichlorobenzene-d4	152	3.888	3.888	0.000	96	153832	5.00	5.00	
$ 41 Nitrobenzene-d5	82	4.434	4.434	0.000	91	917997	25.0	13.3	
48 2,4-Dimethylphenol	107	4.835	4.830	0.006	98	462619	12.5	8.69	
* 55 Naphthalene-d8	136	5.124	5.124	0.000	99	588538	5.00	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.172	6.172	0.000	99	1512694	25.0	16.2	
* 92 Acenaphthene-d10	164	6.793	6.792	0.001	94	345073	5.00	5.00	
94 2,4-Dinitrophenol	184	6.878	6.878	0.000	79	193924	25.0	18.5	
$ 113 2,4,6-Tribromophenol	330	7.541	7.547	-0.006	89	497730	50.0	33.7	
* 127 Phenanthrene-d10	188	8.189	8.194	-0.005	96	635458	5.00	5.00	
131 Carbazole	167	8.429	8.429	0.000	95	1383657	12.5	11.0	
* 140 Pyrene-d10 (IS)	212	9.526	9.531	-0.005	97	611538	5.00	5.00	
$ 142 p-Terphenyl-d14	244	9.718	9.718	-0.005	97	2026686	25.0	19.7	
* 159 Perylene-d12	264	12.430	12.435	-0.005	96	459519	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

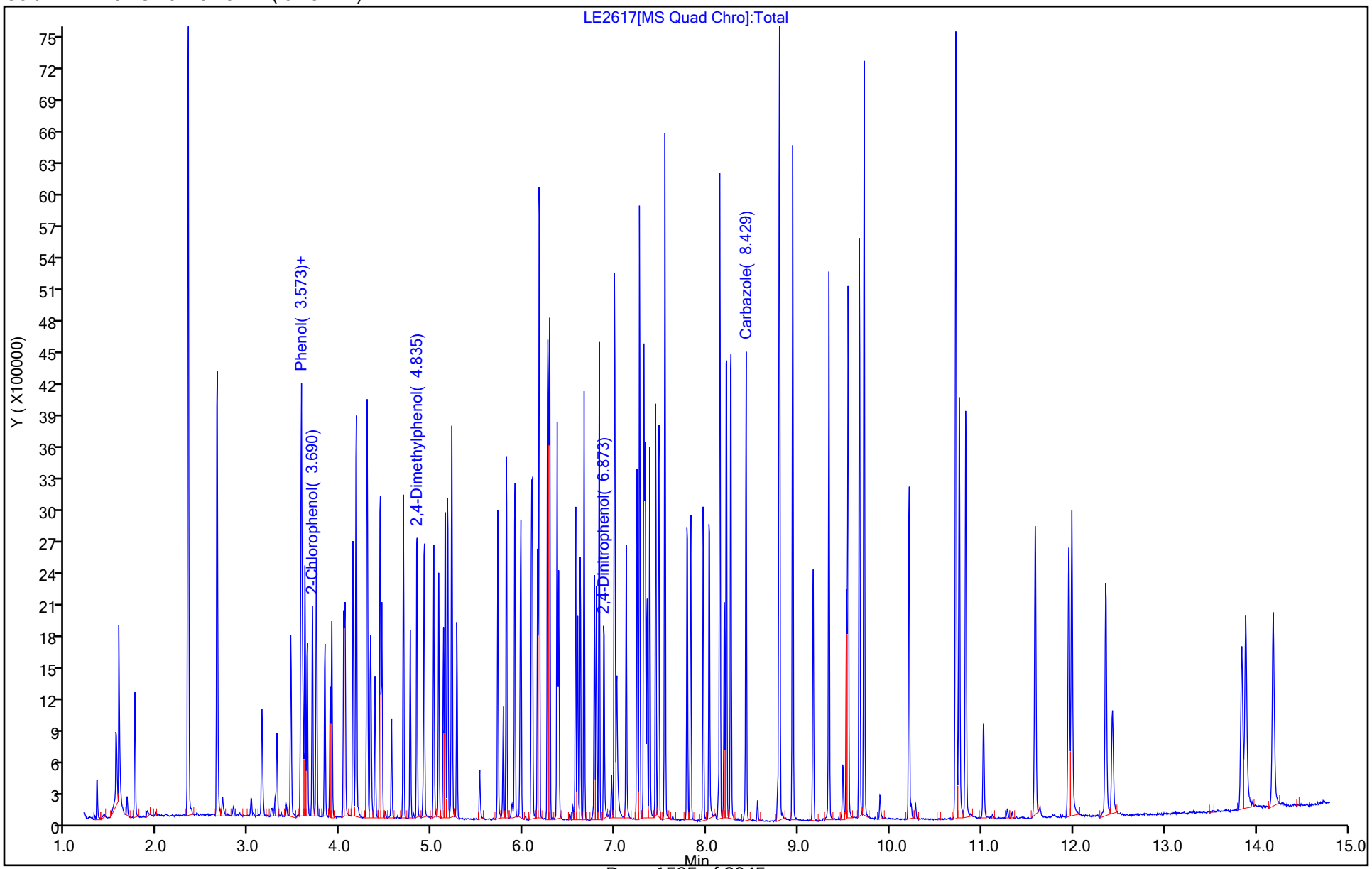
MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 26-May-2023 20:56:30 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2617.D				
Injection Date:	26-May-2023 15:49:25	Instrument ID:	HP20296	Operator ID:	msl46741
Lims ID:	410-127407-B-3-B MSD			Worklist Smp#:	17
Client ID:	FBW001-MSD_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\LE2617.D
Lims ID: 410-127407-B-3-B MSD
Client ID: FBW001-MSD_052023
Sample Type: MSD
Inject. Date: 26-May-2023 15:49:25 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-B-3-B MSD
Misc. Info.: 410-0085126-017
Operator ID: msl46741 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20230526-85126.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-May-2023 20:48:47 Calib Date: 07-Apr-2023 21:12:39
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20230407-80965.b\LD0758.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1683

First Level Reviewer: GLQ9 Date: 26-May-2023 18:04:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	20.8	41.55
$ 16 Phenol-d5	50.0	14.2	28.38
$ 41 Nitrobenzene-d5	25.0	13.3	53.08
$ 76 2-Fluorobiphenyl (Surr)	25.0	16.2	64.66
$ 113 2,4,6-Tribromophenol	50.0	33.7	67.46
$ 142 p-Terphenyl-d14	25.0	19.7	78.74

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MSD_052023 MSD RE
Lab Sample ID: 410-127407-3 MSD RE

Matrix: Water
Lab File ID: DF0166.D

Analysis Method: 8270D
Date Collected: 05/18/2023 10:43

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:50

Sample wt/vol: 245.5(mL)
Date Analyzed: 06/02/2023 02:17

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.: 382151
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	*2,4-Dimethylphenol*	*38*		*10*	*3*
51-28-5	*2,4-Dinitrophenol*	*69*		*30*	*10*
95-57-8	*2-Chlorophenol*	*38*		*2*	*0.5*
86-74-8	*Carbazole*	*50*		*2*	*0.5*
108-95-2	*Phenol*	*23*		*2*	*0.5*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	87		13-138
321-60-8	2-Fluorobiphenyl (Surr)	66		44-120
367-12-4	2-Fluorophenol (Surr)	49		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	63		31-120
4165-62-2	Phenol-d5 (Surr)	33		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	90		30-125

Report Date: 02-Jun-2023 12:13:41 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0166.D
Lims ID: 410-127407-C-3-B MSD RE
Client ID: FBW001-MSD_052023
Sample Type: MSD
Inject. Date: 02-Jun-2023 02:17:07 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-C-3-B MSD
Misc. Info.: 410-0085584-017
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 12:12:53 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: AH7C Date: 02-Jun-2023 11:52:26

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	2.999	2.999	0.000	94	983211	50.0	24.5	
$ 16 Phenol-d5	99	3.891	3.891	0.000	96	943263	50.0	16.3	
17 Phenol	94	3.908	3.908	0.000	91	335603	12.5	5.68	
20 2-Chlorophenol	128	4.042	4.042	0.000	93	337432	12.5	9.36	
* 22 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	97	137005	5.00	5.00	
$ 39 Nitrobenzene-d5	82	4.777	4.772	0.000	88	848325	25.0	15.7	
45 2,4-Dimethylphenol	107	5.150	5.144	0.000	97	381266	12.5	9.21	
* 50 Naphthalene-d8	136	5.459	5.464	-0.006	100	514059	5.00	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.496	6.496	0.000	100	1368552	25.0	16.4	
* 90 Acenaphthene-d10	164	7.131	7.131	0.000	93	292939	5.00	5.00	
92 2,4-Dinitrophenol	184	7.195	7.201	-0.006	86	184642	25.0	17.0	
$ 109 2,4,6-Tribromophenol	330	7.877	7.878	-0.001	92	437521	50.0	43.4	
* 126 Phenanthrene-d10	188	8.530	8.536	-0.006	98	518814	5.00	5.00	
130 Carbazole	167	8.763	8.757	-0.001	96	1241097	12.5	12.4	
* 149 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	99	498945	5.00	5.00	
$ 152 p-Terphenyl-d14	244	10.057	10.058	-0.006	97	1850577	25.0	22.5	
* 170 Perylene-d12	264	12.977	12.983	-0.006	98	358702	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00038 Amount Added: 20.00 Units: uL Run Reagent

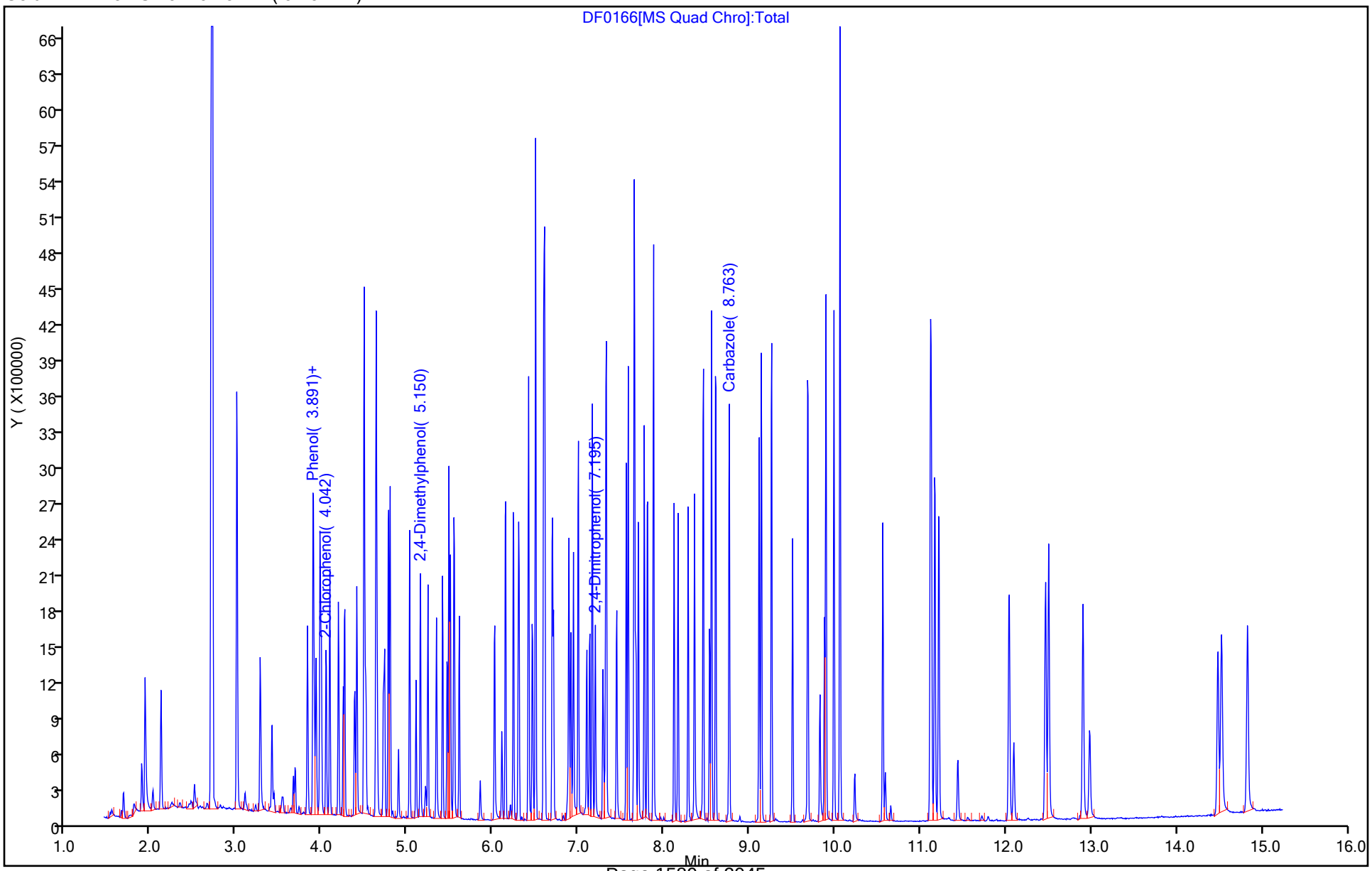
Report Date: 02-Jun-2023 12:13:41 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\DF0166.D

Injection Date:	02-Jun-2023 02:17:07	Instrument ID:	HP19760	Operator ID:	mem41592
Lims ID:	410-127407-C-3-B MSD RE			Worklist Smp#:	17
Client ID:	FBW001-MSD_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
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\20230601-85584.b\DF0166.D
Lims ID: 410-127407-C-3-B MSD RE
Client ID: FBW001-MSD_052023
Sample Type: MSD
Inject. Date: 02-Jun-2023 02:17:07 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-C-3-B MSD
Misc. Info.: 410-0085584-017
Operator ID: mem41592 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20230601-85584.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2023 12:12:53 Calib Date: 10-Apr-2023 21:02:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20230410-81094.b\DD1053.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: AH7C Date: 02-Jun-2023 11:52:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	24.5	49.04
$ 16 Phenol-d5	50.0	16.3	32.67
$ 39 Nitrobenzene-d5	25.0	15.7	62.82
$ 73 2-Fluorobiphenyl (Surr)	25.0	16.4	65.69
$ 109 2,4,6-Tribromophenol	50.0	43.4	86.76
$ 152 p-Terphenyl-d14	25.0	22.5	89.84

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: HP20296 Start Date: 12/27/2022 17:57

Analysis Batch Number: 330490 End Date: 12/27/2022 23:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-330490/1		12/27/2022 17:57	1	LL2750b.D	DB-5MS 20m 0.18 0.18(mm)
ICIS 410-330490/2		12/27/2022 18:32	1	LL2751b.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-330490/3		12/27/2022 19:08	1	LL2752.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-330490/4		12/27/2022 19:29	1	LL2753.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-330490/5		12/27/2022 19:50	1	LL2754.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-330490/6		12/27/2022 20:11	1	LL2755.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-330490/7		12/27/2022 20:32	1	LL2756.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-330490/8		12/27/2022 20:53	1	LL2757.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-330490/9		12/27/2022 21:14	1	LL2758.D	DB-5MS 20m 0.18 0.18(mm)
ICVL 410-330490/11		12/27/2022 21:56	1		DB-5MS 20m 0.18 0.18(mm)
ICV 410-330490/12		12/27/2022 22:17	1	LL2761.D	DB-5MS 20m 0.18 0.18(mm)
ICV 410-330490/13		12/27/2022 22:38	1	LL2762.D	DB-5MS 20m 0.18 0.18(mm)
ICV 410-330490/15		12/27/2022 23:21	1	LL2764.D	DB-5MS 20m 0.18 0.18(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: HP19760 Start Date: 03/23/2023 13:13

Analysis Batch Number: 356566 End Date: 03/23/2023 18:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-356566/1		03/23/2023 13:13	1	DC2310.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-356566/2		03/23/2023 13:34	1	DC2311.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-356566/3		03/23/2023 13:56	1	DC2312.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-356566/5		03/23/2023 14:18	1	DC2313.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-356566/6		03/23/2023 14:40	1	DC2314.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-356566/7		03/23/2023 15:02	1	DC2315.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-356566/8		03/23/2023 15:24	1	DC2316.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-356566/9		03/23/2023 15:46	1	DC2317.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-356566/4		03/23/2023 16:08	1	DC2318.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-356566/10		03/23/2023 16:30	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-356566/11		03/23/2023 16:52	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-356566/12		03/23/2023 17:14	1	DC2321.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-356566/13		03/23/2023 17:36	1	DC2322.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-356566/14		03/23/2023 18:00	1	DC2323.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-356566/15		03/23/2023 18:22	1	DC2324.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: HP19760 Start Date: 03/23/2023 19:38

Analysis Batch Number: 356912 End Date: 03/24/2023 05:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-356912/1		03/23/2023 19:38	1	DC2350.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-356912/2		03/23/2023 20:30	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/3		03/23/2023 21:11	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/4		03/23/2023 21:32	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/5		03/23/2023 21:52	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/6		03/23/2023 22:13	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/7		03/23/2023 22:34	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/8		03/23/2023 22:54	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/9		03/23/2023 23:15	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-356912/10		03/23/2023 23:36	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/11		03/23/2023 23:56	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/12		03/24/2023 00:17	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/13		03/24/2023 00:37	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/14		03/24/2023 00:58	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/15		03/24/2023 01:19	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-356912/16		03/24/2023 01:39	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-356912/18		03/24/2023 02:00	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-356912/17		03/24/2023 02:20	1	DC2367.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		03/24/2023 02:41	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		03/24/2023 03:01	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		03/24/2023 03:22	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		03/24/2023 03:43	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		03/24/2023 04:03	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		03/24/2023 04:24	50		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		03/24/2023 04:44	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		03/24/2023 05:05	50		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		03/24/2023 05:25	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		03/24/2023 05:46	50		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: HP20296 Start Date: 05/26/2023 09:12

Analysis Batch Number: 380338 End Date: 05/26/2023 19:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-380338/1		05/26/2023 09:12	1	LE2600.D	DB-5MS 20m 0.18 0.18(mm)
CCVIS 410-380338/2		05/26/2023 09:37	1	LE2601.D	DB-5MS 20m 0.18 0.18(mm)
ICVL 410-380338/30		05/26/2023 11:05	1		DB-5MS 20m 0.18 0.18(mm)
MB 410-380068/1-A		05/26/2023 11:38	1	LE2604.D	DB-5MS 20m 0.18 0.18(mm)
LCS 410-380068/2-A		05/26/2023 11:58	1	LE2605.D	DB-5MS 20m 0.18 0.18(mm)
LCSD 410-380068/3-A		05/26/2023 12:17	1	LE2606.D	DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 12:36	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 12:55	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 13:15	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 13:34	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 13:53	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 14:13	1		DB-5MS 20m 0.18 0.18(mm)
410-127407-1	FBS010_052023	05/26/2023 14:32	1	LE2613.D	DB-5MS 20m 0.18 0.18(mm)
410-127407-2	Dup-01_052023	05/26/2023 14:51	1	LE2614.D	DB-5MS 20m 0.18 0.18(mm)
410-127407-3	FBW001_052023	05/26/2023 15:10	1	LE2615.D	DB-5MS 20m 0.18 0.18(mm)
410-127407-3 MS	FBW001-MS_052023 MS	05/26/2023 15:30	1	LE2616.D	DB-5MS 20m 0.18 0.18(mm)
410-127407-3 MSD	FBW001-MSD_052023 MSD	05/26/2023 15:49	1	LE2617.D	DB-5MS 20m 0.18 0.18(mm)
410-127407-4	FB-01_052023	05/26/2023 16:08	1	LE2618.D	DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 16:27	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 16:47	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 17:06	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 17:25	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 17:45	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 18:04	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 18:23	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 18:42	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 19:02	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 19:21	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/26/2023 19:40	1		DB-5MS 20m 0.18 0.18(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: HP19760 Start Date: 06/01/2023 20:48

Analysis Batch Number: 382151 End Date: 06/02/2023 03:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-382151/1		06/01/2023 20:48	1	DF0150.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-382151/2		06/01/2023 21:03	1	DF0151.D	DB-5MS 30m 0.25 0.25(mm)
CCV 410-382151/3		06/01/2023 21:30	1		DB-5MS 30m 0.25 0.25(mm)
MB 410-382042/1-A		06/01/2023 21:54	1	DF0153.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-382042/2-A		06/01/2023 22:14	1	DF0154.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-382042/3-A		06/01/2023 22:35	1	DF0155.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/01/2023 22:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/01/2023 23:15	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/01/2023 23:35	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/01/2023 23:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 00:15	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 00:36	1		DB-5MS 30m 0.25 0.25(mm)
410-127407-1 RE	FBS010_052023 RE	06/02/2023 00:56	1	DF0162.D	DB-5MS 30m 0.25 0.25(mm)
410-127407-2 RE	Dup-01_052023 RE	06/02/2023 01:16	1	DF0163.D	DB-5MS 30m 0.25 0.25(mm)
410-127407-3 RE	FBW001_052023 RE	06/02/2023 01:36	1	DF0164.D	DB-5MS 30m 0.25 0.25(mm)
410-127407-3 MS RE	FBW001-MS_052023 MS RE	06/02/2023 01:56	1	DF0165.D	DB-5MS 30m 0.25 0.25(mm)
410-127407-3 MSD RE	FBW001-MSD_052023 MSD RE	06/02/2023 02:17	1	DF0166.D	DB-5MS 30m 0.25 0.25(mm)
410-127407-4 RE	FB-01_052023 RE	06/02/2023 02:37	1	DF0167.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 02:57	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 03:17	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 03:37	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 03:58	10		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 330490 Batch Start Date: 12/27/22 17:57 Batch Analyst: McGowan, Madison

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	MSS_RV8270_1 00027	MSS_RV8270_2 00028	MSS_RV8270_3 00025	MSS_RV8270_4 00025
DFTPP 410-330490/1		8270D		1 mL	Perform Calculation left blank				
ICIS 410-330490/2		8270D		1 mL	Perform Calculation left blank				
IC 410-330490/3		8270D		1 mL	Perform Calculation left blank				
IC 410-330490/4		8270D		1 mL	Perform Calculation left blank	1 mL			
IC 410-330490/5		8270D		1 mL	Perform Calculation left blank		1 mL		
IC 410-330490/6		8270D		1 mL	Perform Calculation left blank				
IC 410-330490/7		8270D		1 mL	Perform Calculation left blank				
IC 410-330490/8		8270D		1 mL	Perform Calculation left blank				1 mL
IC 410-330490/9		8270D		1 mL	Perform Calculation left blank			1 mL	
ICV 410-330490/12		8270D		1 mL	Perform Calculation left blank				
ICV 410-330490/13		8270D		1 mL	Perform Calculation left blank				
ICV 410-330490/15		8270D		1 mL	Perform Calculation left blank				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RV8270_5 00035	MSS_RV8270_6 00037	MSS_RV8270_7 00028	MSS_RV8270_8 00028	MSS_RV8270ICV 00018	MSS_RVBAS_ICV 00011
DFTPP 410-330490/1		8270D							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 330490 Batch Start Date: 12/27/22 17:57 Batch Analyst: McGowan, Madison

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RV8270_5 00035	MSS_RV8270_6 00037	MSS_RV8270_7 00028	MSS_RV8270_8 00028	MSS_RV8270ICV 00018	MSS_RVBAS_ICV 00011
ICIS 410-330490/2		8270D		1 mL					
IC 410-330490/3		8270D					1 mL		
IC 410-330490/4		8270D							
IC 410-330490/5		8270D							
IC 410-330490/6		8270D				1 mL			
IC 410-330490/7		8270D			1 mL				
IC 410-330490/8		8270D							
IC 410-330490/9		8270D							
ICV 410-330490/12		8270D						1 mL	
ICV 410-330490/13		8270D							1 mL
ICV 410-330490/15		8270D							

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVDFTPP 00012	MSS_RVPDAICV 00001				
DFTPP 410-330490/1		8270D		1 mL					
ICIS 410-330490/2		8270D							
IC 410-330490/3		8270D							
IC 410-330490/4		8270D							
IC 410-330490/5		8270D							
IC 410-330490/6		8270D							
IC 410-330490/7		8270D							
IC 410-330490/8		8270D							
IC 410-330490/9		8270D							
ICV 410-330490/12		8270D							
ICV 410-330490/13		8270D							
ICV 410-330490/15		8270D			1 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 330490 Batch Start Date: 12/27/22 17:57 Batch Analyst: McGowan, Madison

Batch Method: 8270D Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 356566 Batch Start Date: 03/23/23 13:13 Batch Analyst: McGowan, Madison

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	MSS_RV8270_1 00028	MSS_RV8270_2 00029	MSS_RV8270_3 00026	MSS_RV8270_4 00026	MSS_RV8270_5 00036
DFTPP 410-356566/1		8270D		1 mL					
ICIS 410-356566/2		8270D		1 mL					
IC 410-356566/3		8270D		1 mL	1 mL				
IC 410-356566/4		8270D		1 mL		1 mL			
IC 410-356566/5		8270D		1 mL					
IC 410-356566/6		8270D		1 mL					
IC 410-356566/7		8270D		1 mL					1 mL
IC 410-356566/8		8270D		1 mL				1 mL	
IC 410-356566/9		8270D		1 mL			1 mL		
ICV 410-356566/12		8270D		1 mL					
ICV 410-356566/13		8270D		1 mL					
ICV 410-356566/14		8270D		1 mL					
ICV 410-356566/15		8270D		1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RV8270_6 00042	MSS_RV8270_7 00029	MSS_RV8270_8 00029	MSS_RV8270ICV 00019	MSS_RVBAS_ICV 00011	MSS_RVDFTPP 00012
DFTPP 410-356566/1		8270D							1 mL
ICIS 410-356566/2		8270D		1 mL					
IC 410-356566/3		8270D							
IC 410-356566/4		8270D							
IC 410-356566/5		8270D				1 mL			
IC 410-356566/6		8270D			1 mL				
IC 410-356566/7		8270D							
IC 410-356566/8		8270D							
IC 410-356566/9		8270D							
ICV 410-356566/12		8270D					1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 356566 Batch Start Date: 03/23/23 13:13 Batch Analyst: McGowan, Madison

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RV8270_6 00042	MSS_RV8270_7 00029	MSS_RV8270_8 00029	MSS_RV8270ICV 00019	MSS_RVBAS_ICV 00011	MSS_RVDFTPP 00012
ICV 410-356566/13		8270D						1 mL	
ICV 410-356566/14		8270D							
ICV 410-356566/15		8270D							

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVHCPICV 00007	MSS_RVPDAICV 00001				
DFTPP 410-356566/1		8270D							
ICIS 410-356566/2		8270D							
IC 410-356566/3		8270D							
IC 410-356566/4		8270D							
IC 410-356566/5		8270D							
IC 410-356566/6		8270D							
IC 410-356566/7		8270D							
IC 410-356566/8		8270D							
IC 410-356566/9		8270D							
ICV 410-356566/12		8270D							
ICV 410-356566/13		8270D							
ICV 410-356566/14		8270D		1 mL					
ICV 410-356566/15		8270D			1 mL				

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 356912 Batch Start Date: 03/23/23 19:38 Batch Analyst: Monborne, Edward M

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	MS_rvBxEA_ICV 00001	MSS_RVDFTPP 00012			
DFTPP 410-356912/1		8270D		1 mL		1 mL			
ICV 410-356912/17		8270D		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 Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 380068 Batch Start Date: 05/25/23 15:30 Batch Analyst: Battle-Hilacion, Destiny

Batch Method: 3510C Batch End Date: 05/25/23 19:42

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH
MB 410-380068/1		3510C, 8270D				250 mL	1 mL	11 SU	2 SU
LCS 410-380068/2		3510C, 8270D				250 mL	1 mL	11 SU	2 SU
LCSD 410-380068/3		3510C, 8270D				250 mL	1 mL	11 SU	2 SU
410-127407-B-3 MS	FBW001-MS_052023	3510C, 8270D	T	416.00 g	169.11 g	246.9 mL	1 mL	11 SU	2 SU
410-127407-B-3 MSD	FBW001-MSD_052023	3510C, 8270D	T	414.65 g	168.36 g	246.3 mL	1 mL	11 SU	2 SU
410-127407-A-1	FBS010_052023	3510C, 8270D	T	417.19 g	168.03 g	249.2 mL	1 mL	11 SU	2 SU
410-127407-A-2	Dup-01_052023	3510C, 8270D	T	415.49 g	168.70 g	246.8 mL	1 mL	11 SU	2 SU
410-127407-A-3	FBW001_052023	3510C, 8270D	T	413.70 g	169.36 g	244.3 mL	1 mL	11 SU	2 SU
410-127407-A-4	FB-01_052023	3510C, 8270D	T	412.90 g	169.35 g	243.6 mL	1 mL	11 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_MINIBNA_SS 00089	OP_MINLCS1_MS 00167	OP_MINLCS2_MS 00095	AnalysisComment		
MB 410-380068/1		3510C, 8270D		1 mL			tap water		
LCS 410-380068/2		3510C, 8270D		1 mL	1 mL	1 mL	tap water		
LCSD 410-380068/3		3510C, 8270D		1 mL	1 mL	1 mL	tap water		
410-127407-B-3 MS	FBW001-MS_052023	3510C, 8270D	T	1 mL	1 mL	1 mL	clear		
410-127407-B-3 MSD	FBW001-MSD_052023	3510C, 8270D	T	1 mL	1 mL	1 mL	clear		
410-127407-A-1	FBS010_052023	3510C, 8270D	T	1 mL			clear		
410-127407-A-2	Dup-01_052023	3510C, 8270D	T	1 mL			clear		
410-127407-A-3	FBW001_052023	3510C, 8270D	T	1 mL			clear		
410-127407-A-4	FB-01_052023	3510C, 8270D	T	1 mL			clear		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 380068 Batch Start Date: 05/25/23 15:30 Batch Analyst: Battle-Hilacion, Destiny

Batch Method: 3510C Batch End Date: 05/25/23 19:42

Batch Notes	
Balance ID	93158
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	OS11067 DBH82588 AS86224
Analyst ID - Spike Analyst	OS11067
Acid Used for pH Adjustment ID	H2SO4:225553
Base Used to Adjust pH ID	NaOH:4202B64
Prep Solvent ID	MeCl2:226055
Prep Solvent Volume Used	90 mL
Na2SO4 ID	23143A
Analyst ID - Concentration	OS11067 DBH82588 AS86224
Equipment ID - Concentration 1	BUCHI
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 Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 382042 Batch Start Date: 06/01/23 15:50 Batch Analyst: Battle-Hilacion, Destiny

Batch Method: 3510C Batch End Date: 06/01/23 22:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 410-382042/1		3510C, 8270D				250 mL	1 mL	n/a SU	11 SU
LCS 410-382042/2		3510C, 8270D				250 mL	1 mL	n/a SU	11 SU
LCSD 410-382042/3		3510C, 8270D				250 mL	1 mL	n/a SU	11 SU
410-127407-C-3 MS	FBW001-MS_052023	3510C, 8270D	T	412.23 g	167.74 g	244.5 mL	1 mL	n/a SU	11 SU
410-127407-C-3 MSD	FBW001-MSD_052023	3510C, 8270D	T	414.00 g	168.52 g	245.5 mL	1 mL	n/a SU	11 SU
410-127407-B-1	FBS010_052023	3510C, 8270D	T	418.04 g	168.82 g	249.2 mL	1 mL	n/a SU	11 SU
410-127407-C-2	Dup-01_052023	3510C, 8270D	T	416.76 g	168.61 g	248.2 mL	1 mL	n/a SU	11 SU
410-127407-B-3	FBW001_052023	3510C, 8270D	T	415.68 g	167.77 g	247.9 mL	1 mL	n/a SU	11 SU
410-127407-B-4	FB-01_052023	3510C, 8270D	T	406.66 g	167.54 g	239.1 mL	1 mL	n/a SU	11 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	OP_2BXE_MS 00007	OP_AMINE_MS 00009	OP_MINIBNA_SS 00089	OP_MINLCS1_MS 00168	OP_MINLCS2_MS 00096
MB 410-382042/1		3510C, 8270D		2 SU			1 mL		
LCS 410-382042/2		3510C, 8270D		2 SU	0.25 mL	0.25 mL	1 mL	1 mL	1 mL
LCSD 410-382042/3		3510C, 8270D		2 SU	0.25 mL	0.25 mL	1 mL	1 mL	1 mL
410-127407-C-3 MS	FBW001-MS_052023	3510C, 8270D	T	2 SU	0.25 mL	0.25 mL	1 mL	1 mL	1 mL
410-127407-C-3 MSD	FBW001-MSD_052023	3510C, 8270D	T	2 SU	0.25 mL	0.25 mL	1 mL	1 mL	1 mL
410-127407-B-1	FBS010_052023	3510C, 8270D	T	2 SU			1 mL		
410-127407-C-2	Dup-01_052023	3510C, 8270D	T	2 SU			1 mL		
410-127407-B-3	FBW001_052023	3510C, 8270D	T	2 SU			1 mL		
410-127407-B-4	FB-01_052023	3510C, 8270D	T	2 SU			1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 410-382042/1		3510C, 8270D		tap water					
LCS 410-382042/2		3510C, 8270D		tap water					
LCSD 410-382042/3		3510C, 8270D		tap water					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 382042 Batch Start Date: 06/01/23 15:50 Batch Analyst: Battle-Hilacion, Destiny

Batch Method: 3510C Batch End Date: 06/01/23 22:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
410-127407-C-3 MS	FBW001-MS_052023	3510C, 8270D	T	clear					
410-127407-C-3 MSD	FBW001-MSD_052023	3510C, 8270D	T	clear					
410-127407-B-1	FBS010_052023	3510C, 8270D	T	clear					
410-127407-C-2	Dup-01_052023	3510C, 8270D	T	clear					
410-127407-B-3	FBW001_052023	3510C, 8270D	T	clear					
410-127407-B-4	FB-01_052023	3510C, 8270D	T	clear					

Batch Notes	
Balance ID	93158
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	OS11067 DBH82588 AS86224
Analyst ID - Spike Analyst	OS11067
Acid Used for pH Adjustment ID	H2SO4: 225553
Base Used to Adjust pH ID	NaOH: 4202B64
Prep Solvent ID	MeCl2: 231027
Prep Solvent Volume Used	90 mL
Na2SO4 ID	23151A
Analyst ID - Concentration	OS11067 DBH82588 AS86224
Equipment ID - Concentration 1	BUCHI
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 Job No.: 410-127407-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 30m ID: 0.25(mm)

Client Sample ID	Lab Sample ID	MNPd10 #	FLN10 #	BAPd12 #
FBS010_052023	410-127407-1	57	76	70
FBS010_052023 RA	410-127407-1 RA	51	64	63
Dup-01_052023	410-127407-2	18 S1-cn	31 S1-cn	22 cn
Dup-01_052023 RE	410-127407-2 RE	60	65	73
FBW001_052023	410-127407-3	38	53	56
FB-01_052023	410-127407-4	56	71	67
	MB 410-380061/1-A	45	67	63
	MB 410-382041/1-A	61	77	78
	LCS 410-380061/2-A	44	69	69
	LCS 410-382041/2-A	58	73	73
	LCSD 410-380061/3-A	58	81	81
	LCSD 410-382041/3-A	51	78	79
FBW001-MS_052023 MS	410-127407-3 MS	63 cn	82 cn	76 cn
FBW001-MSD_052023 MSD	410-127407-3 MSD	54 cn	71 cn	66 cn

	QC LIMITS
MNPd10 = 1-Methylnaphthalene-d10 (Surr)	33-120
FLN10 = Fluoranthene-d10 (Surr)	43-124
BAPd12 = Benzo(a)pyrene-d12 (Surr)	17-120

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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NE0553.D

Lab ID: LCS 410-380061/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.00	0.392	39	10-120	
1-Methylnaphthalene	1.00	0.450	45	31-120	
2-Methylnaphthalene	1.00	0.410	41	24-120	
Acenaphthene	1.00	0.515	52	42-120	
Acenaphthylene	1.00	0.537	54	41-120	
Anthracene	1.00	0.665	67	48-124	
Benzo[a]anthracene	1.00	0.680	68	50-129	
Benzo[a]pyrene	1.00	0.712	71	49-120	
Benzo[b]fluoranthene	1.00	0.691	69	47-131	
Benzo[g,h,i]perylene	1.00	0.673	67	40-132	
Benzo[k]fluoranthene	1.00	0.853	85	50-128	
Bis(2-chloroethyl)ether	1.00	0.588	59	15-163	
Bis(2-ethylhexyl) phthalate	1.00	0.784 J	78	27-158	
Butylbenzylphthalate	1.00	0.523 J	52	10-134	
Chrysene	1.00	0.713	71	47-121	
Dibenz(a,h)anthracene	1.00	0.598	60	38-136	
Dibenzofuran	1.00	0.535	53	48-124	
Diethylphthalate	1.00	0.664 J	66	48-120	
Dimethylphthalate	1.00	0.485 J	48	10-121	
Di-n-butyl phthalate	1.00	0.725 J	72	59-136	
Di-n-octyl phthalate	1.00	0.741 J	74	42-123	
Fluoranthene	1.00	0.682	68	47-129	
Fluorene	1.00	0.585	58	46-120	
Hexachlorobenzene	1.00	0.548	55	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.626	63	35-144	
Naphthalene	1.00	0.414	41	28-120	
N-Nitrosodimethylamine	1.00	0.486	49	37-120	
Phenanthrene	1.00	0.653	65	48-121	
Pyrene	1.00	0.685	68	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MF0055.D

Lab ID: LCS 410-382041/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.00	0.375	38	10-120	
1-Methylnaphthalene	1.00	0.512	51	31-120	
2-Methylnaphthalene	1.00	0.508	51	24-120	
Acenaphthene	1.00	0.586	59	42-120	
Acenaphthylene	1.00	0.609	61	41-120	
Anthracene	1.00	0.703	70	48-124	
Benzo[a]anthracene	1.00	0.709	71	50-129	
Benzo[a]pyrene	1.00	0.745	75	49-120	
Benzo[b]fluoranthene	1.00	0.711	71	47-131	
Benzo[g,h,i]perylene	1.00	0.723	72	40-132	
Benzo[k]fluoranthene	1.00	0.835	84	50-128	
Bis(2-chloroethyl)ether	1.00	0.574	57	15-163	
Bis(2-ethylhexyl) phthalate	1.00	1.04	104	27-158	
Butylbenzylphthalate	1.00	0.638 J	64	10-134	
Chrysene	1.00	0.686	69	47-121	
Dibenz(a,h)anthracene	1.00	0.730	73	38-136	
Dibenzofuran	1.00	0.596	60	48-124	
Diethylphthalate	1.00	0.782 J	78	48-120	
Dimethylphthalate	1.00	0.630 J	63	10-121	
Di-n-butyl phthalate	1.00	0.873 J	87	59-136	
Di-n-octyl phthalate	1.00	0.635 J	63	42-123	
Fluoranthene	1.00	0.713	71	47-129	
Fluorene	1.00	0.637	64	46-120	
Hexachlorobenzene	1.00	0.550	55	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.705	71	35-144	
Naphthalene	1.00	0.509	51	28-120	
N-Nitrosodimethylamine	1.00	0.420	42	37-120	
Phenanthrene	1.00	0.658	66	48-121	
Pyrene	1.00	0.643	64	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NE0554.D

Lab ID: LCSD 410-380061/3-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	0.358	36	9	20	10-120	
1-Methylnaphthalene	1.00	0.558	56	21	20	31-120	*1
2-Methylnaphthalene	1.00	0.520	52	24	20	24-120	*1
Acenaphthene	1.00	0.655	65	24	20	42-120	*1
Acenaphthylene	1.00	0.664	66	21	20	41-120	*1
Anthracene	1.00	0.782	78	16	20	48-124	
Benzo[a]anthracene	1.00	0.784	78	14	20	50-129	
Benzo[a]pyrene	1.00	0.830	83	15	20	49-120	
Benzo[b]fluoranthene	1.00	0.817	82	17	20	47-131	
Benzo[g,h,i]perylene	1.00	0.760	76	12	20	40-132	
Benzo[k]fluoranthene	1.00	0.970	97	13	20	50-128	
Bis(2-chloroethyl)ether	1.00	0.665	66	12	20	15-163	
Bis(2-ethylhexyl) phthalate	1.00	0.931 J	93	17	20	27-158	
Butylbenzylphthalate	1.00	0.703 J	70	29	20	10-134	*1
Chrysene	1.00	0.847	85	17	20	47-121	
Dibenz(a,h)anthracene	1.00	0.701	70	16	20	38-136	
Dibenzofuran	1.00	0.676	68	23	20	48-124	*1
Diethylphthalate	1.00	0.818 J	82	21	20	48-120	*1
Dimethylphthalate	1.00	0.659 J	66	31	20	10-121	*1
Di-n-butyl phthalate	1.00	0.913 J	91	23	20	59-136	*1
Di-n-octyl phthalate	1.00	0.846 J	85	13	20	42-123	
Fluoranthene	1.00	0.801	80	16	20	47-129	
Fluorene	1.00	0.720	72	21	20	46-120	*1
Hexachlorobenzene	1.00	0.673	67	21	20	20-120	*1
Indeno[1,2,3-cd]pyrene	1.00	0.731	73	15	20	35-144	
Naphthalene	1.00	0.516	52	22	20	28-120	*1
N-Nitrosodimethylamine	1.00	0.489	49	1	20	37-120	
Phenanthrene	1.00	0.800	80	20	20	48-121	
Pyrene	1.00	0.815	81	17	20	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: MF0056.D

Lab ID: LCSD 410-382041/3-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	0.417	42	11	20	10-120	
1-Methylnaphthalene	1.00	0.477	48	7	20	31-120	
2-Methylnaphthalene	1.00	0.476	48	7	20	24-120	
Acenaphthene	1.00	0.626	63	7	20	42-120	
Acenaphthylene	1.00	0.624	62	2	20	41-120	
Anthracene	1.00	0.793	79	12	20	48-124	
Benzo[a]anthracene	1.00	0.788	79	11	20	50-129	
Benzo[a]pyrene	1.00	0.839	84	12	20	49-120	
Benzo[b]fluoranthene	1.00	0.779	78	9	20	47-131	
Benzo[g,h,i]perylene	1.00	0.776	78	7	20	40-132	
Benzo[k]fluoranthene	1.00	0.914	91	9	20	50-128	
Bis(2-chloroethyl)ether	1.00	0.548	55	5	20	15-163	
Bis(2-ethylhexyl) phthalate	1.00	1.08	108	4	20	27-158	
Butylbenzylphthalate	1.00	0.779 J	78	20	20	10-134	
Chrysene	1.00	0.755	76	10	20	47-121	
Dibenz(a,h)anthracene	1.00	0.787	79	7	20	38-136	
Dibenzofuran	1.00	0.629	63	5	20	48-124	
Diethylphthalate	1.00	0.899 J	90	14	20	48-120	
Dimethylphthalate	1.00	0.760 J	76	19	20	10-121	
Di-n-butyl phthalate	1.00	0.961 J	96	10	20	59-136	
Di-n-octyl phthalate	1.00	0.677 J	68	6	20	42-123	
Fluoranthene	1.00	0.794	79	11	20	47-129	
Fluorene	1.00	0.681	68	7	20	46-120	
Hexachlorobenzene	1.00	0.593	59	8	20	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.770	77	9	20	35-144	
Naphthalene	1.00	0.490	49	4	20	28-120	
N-Nitrosodimethylamine	1.00	0.386	39	9	20	37-120	
Phenanthrene	1.00	0.726	73	10	20	48-121	
Pyrene	1.00	0.734	73	13	20	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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NE0560.D

Lab ID: 410-127407-3 MS Client ID: FBW001-MS_052023 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,4-Dioxane	1.03	ND	0.384	37	10-120	cn
1-Methylnaphthalene	1.03	ND	0.636	62	31-120	cn
2-Methylnaphthalene	1.03	ND	0.607	59	24-120	cn
Acenaphthene	1.03	ND	0.743	72	42-120	cn
Acenaphthylene	1.03	ND	0.749	72	41-120	cn
Anthracene	1.03	ND	0.807	78	48-124	cn
Benzo[a]anthracene	1.03	ND	0.799	77	50-129	cn
Benzo[a]pyrene	1.03	ND	0.805	78	49-120	cn
Benzo[b]fluoranthene	1.03	ND	0.787	76	47-131	cn
Benzo[g,h,i]perylene	1.03	ND	0.695	67	40-132	cn
Benzo[k]fluoranthene	1.03	ND	0.946	92	50-128	cn
Bis(2-chloroethyl)ether	1.03	ND	0.744	72	15-163	cn
Bis(2-ethylhexyl) phthalate	1.03	ND	0.851 J	82	27-158	cn
Butylbenzylphthalate	1.03	ND	0.831 J	80	10-134	cn
Chrysene	1.03	ND	0.858	83	47-121	cn
Dibenz(a,h)anthracene	1.03	ND	0.650	63	38-136	cn
Dibenzofuran	1.03	ND	0.730	71	48-124	cn
Diethylphthalate	1.03	ND	0.943 J	91	48-120	cn
Dimethylphthalate	1.03	ND	0.894 J	87	10-121	cn
Di-n-butyl phthalate	1.03	ND	0.981 J	95	59-136	cn
Di-n-octyl phthalate	1.03	ND	0.797 J	77	42-123	cn
Fluoranthene	1.03	ND	0.829	80	47-129	cn
Fluorene	1.03	ND	0.783	76	46-120	cn
Hexachlorobenzene	1.03	ND	0.742	72	20-120	cn
Indeno[1,2,3-cd]pyrene	1.03	ND	0.649	63	35-144	cn
Naphthalene	1.03	ND	0.630	61	28-120	cn
N-Nitrosodimethylamine	1.03	ND	0.562	54	37-120	cn
Phenanthrene	1.03	ND	0.820	79	48-121	cn
Pyrene	1.03	ND	0.852	82	46-122	cn

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.: 410-127407-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NE0561.D

Lab ID: 410-127407-3 MSD Client ID: FBW001-MSD_052023 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.01	0.377	37	2	20	10-120	cn
1-Methylnaphthalene	1.01	0.539	53	17	20	31-120	cn
2-Methylnaphthalene	1.01	0.491	49	21	20	24-120	F2 cn
Acenaphthene	1.01	0.598	59	22	20	42-120	F2 cn
Acenaphthylene	1.01	0.632	62	17	20	41-120	cn
Anthracene	1.01	0.699	69	14	20	48-124	cn
Benzo[a]anthracene	1.01	0.696	69	14	20	50-129	cn
Benzo[a]pyrene	1.01	0.685	68	16	20	49-120	cn
Benzo[b]fluoranthene	1.01	0.711	70	10	20	47-131	cn
Benzo[g,h,i]perylene	1.01	0.588	58	17	20	40-132	cn
Benzo[k]fluoranthene	1.01	0.767	76	21	20	50-128	F2 cn
Bis(2-chloroethyl)ether	1.01	0.646	64	14	20	15-163	cn
Bis(2-ethylhexyl) phthalate	1.01	0.679 J	67	22	20	27-158	F2 cn
Butylbenzylphthalate	1.01	0.678 J	67	20	20	10-134	cn
Chrysene	1.01	0.719	71	18	20	47-121	cn
Dibenz(a,h)anthracene	1.01	0.535	53	19	20	38-136	cn
Dibenzofuran	1.01	0.619	61	17	20	48-124	cn
Diethylphthalate	1.01	0.805 J	80	16	20	48-120	cn
Dimethylphthalate	1.01	0.731 J	72	20	20	10-121	cn
Di-n-butyl phthalate	1.01	0.827 J	82	17	20	59-136	cn
Di-n-octyl phthalate	1.01	0.666 J	66	18	20	42-123	cn
Fluoranthene	1.01	0.710	70	15	20	47-129	cn
Fluorene	1.01	0.650	64	19	20	46-120	cn
Hexachlorobenzene	1.01	0.620	61	18	20	20-120	cn
Indeno[1,2,3-cd]pyrene	1.01	0.532	53	20	20	35-144	cn
Naphthalene	1.01	0.515	51	20	20	28-120	cn
N-Nitrosodimethylamine	1.01	0.473	47	17	20	37-120	cn
Phenanthrene	1.01	0.703	69	15	20	48-121	cn
Pyrene	1.01	0.739	73	14	20	46-122	cn

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.: 410-127407-1

SDG No.:

Lab File ID: NE0552.D Lab Sample ID: MB 410-380061/1-A

Matrix: Water Date Extracted: 05/25/2023 15:27

Instrument ID: HP23263 Date Analyzed: 05/26/2023 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 410-380061/2-A	NE0553.D	05/26/2023 05:40
	LCSD 410-380061/3-A	NE0554.D	05/26/2023 06:01
FBW001_052023	410-127407-3	NE0559.D	05/26/2023 07:50
FBW001-MS_052023 MS	410-127407-3 MS	NE0560.D	05/26/2023 08:12
FBW001-MSD_052023 MSD	410-127407-3 MSD	NE0561.D	05/26/2023 08:33
FBS010_052023	410-127407-1	NE0566.D	05/26/2023 10:22
Dup-01_052023	410-127407-2	NE0567.D	05/26/2023 10:43
FB-01_052023	410-127407-4	NE0568.D	05/26/2023 11:05
FBS010_052023 RA	410-127407-1 RA	ME1168.D	05/30/2023 07:38

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: MF0054.D Lab Sample ID: MB 410-382041/1-A

Matrix: Water Date Extracted: 06/01/2023 15:47

Instrument ID: HP21585 Date Analyzed: 06/02/2023 06:35

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-382041/2-A	MF0055.D	06/02/2023 06:57
	LCSD 410-382041/3-A	MF0056.D	06/02/2023 07:18
Dup-01_052023 RE	410-127407-2 RE	MF0057.D	06/02/2023 07:40

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: MD0950.D DFTPP Injection Date: 04/25/2023

Instrument ID: HP21585 DFTPP Injection Time: 05:46

Analysis Batch No.: 368078

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	35.2	
68	Less than 2% of mass 69	0.7	(1.7) 1
69	Mass 69 Relative abundance	38.8	
70	Less than 2% of mass 69	0.2	(0.6) 1
127	10-80% of Base Peak	47.6	
197	Less than 2% of mass 198	0.7	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	28.6	
365	Greater than 1% of mass 198	3.9	
441	present but less than 24% of mass 442	17.6	(15.9) 2
442	Greater than 50% of mass 198	111.0	
443	15-24% of mass 442	21.5	(19.4) 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 410-368078/2	MD0951.D	04/25/2023	6:05
	IC 410-368078/3	MD0952.D	04/25/2023	6:46
	IC 410-368078/4	MD0953.D	04/25/2023	7:07
	IC 410-368078/5	MD0954.D	04/25/2023	7:28
	IC 410-368078/6	MD0955.D	04/25/2023	7:49
	IC 410-368078/7	MD0956.D	04/25/2023	8:11
	ICV 410-368078/9	MD0958.D	04/25/2023	8:53

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: MD1050.D DFTPP Injection Date: 04/27/2023

Instrument ID: HP21585 DFTPP Injection Time: 03:16

Analysis Batch No.: 369143

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	35.7	
68	Less than 2% of mass 69	0.5	(1.4) 1
69	Mass 69 Relative abundance	39.0	
70	Less than 2% of mass 69	0.3	(0.7) 1
127	10-80% of Base Peak	47.1	
197	Less than 2% of mass 198	0.7	
198	Base peak	100.0	
199	5-9% of mass 198	6.5	
275	10-60% of Base Peak	29.7	
365	Greater than 1% of mass 198	3.6	
441	present but less than 24% of mass 442	17.3	(15.3) 2
442	Greater than 50% of mass 198	112.5	
443	15-24% of mass 442	21.4	(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 410-369143/3	MD1052.D	04/27/2023	4:35

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: ME1160.D DFTPP Injection Date: 05/30/2023

Instrument ID: HP21585 DFTPP Injection Time: 04:34

Analysis Batch No.: 380829

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	37.7	
68	Less than 2% of mass 69	0.6	(1.6) 1
69	Mass 69 Relative abundance	35.6	
70	Less than 2% of mass 69	0.3	(0.9) 1
127	10-80% of Base Peak	47.1	
197	Less than 2% of mass 198	0.8	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	29.7	
365	Greater than 1% of mass 198	3.8	
441	present but less than 24% of mass 442	17.3	(15.5) 2
442	Greater than 50% of mass 198	112.2	
443	15-24% of mass 442	21.5	(19.2) 2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-380829/2	ME1161.D	05/30/2023	4:50
FBS010_052023 RA	410-127407-1 RA	ME1168.D	05/30/2023	7:38

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Lab File ID: MF0050.D DFTPP Injection Date: 06/02/2023

Instrument ID: HP21585 DFTPP Injection Time: 04:47

Analysis Batch No.: 382216

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	37.8	
68	Less than 2% of mass 69	0.7	(1.9) 1
69	Mass 69 Relative abundance	35.1	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	48.4	
197	Less than 2% of mass 198	0.7	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	28.7	
365	Greater than 1% of mass 198	3.7	
441	present but less than 24% of mass 442	14.1	(15.5) 2
442	Greater than 50% of mass 198	90.9	
443	15-24% of mass 442	17.7	(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 410-382216/2	MF0051.D	06/02/2023	5:04
	MB 410-382041/1-A	MF0054.D	06/02/2023	6:35
	LCS 410-382041/2-A	MF0055.D	06/02/2023	6:57
	LCSD 410-382041/3-A	MF0056.D	06/02/2023	7:18
Dup-01_052023 RE	410-127407-2 RE	MF0057.D	06/02/2023	7:40

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

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.: 410-127407-1

SDG No.:

Lab File ID: NE0550.D DFTPP Injection Date: 05/26/2023

Instrument ID: HP23263 DFTPP Injection Time: 04:28

Analysis Batch No.: 380221

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	69.1	
68	Less than 2% of mass 69	1.3	(1.9) 1
69	Mass 69 Relative abundance	68.0	
70	Less than 2% of mass 69	0.3	(0.4) 1
127	10-80% of Base Peak	61.7	
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	26.0	
365	Greater than 1% of mass 198	3.3	
441	present but less than 24% of mass 442	12.5	(16.4) 2
442	Greater than 50% of mass 198	76.3	
443	15-24% of mass 442	15.0	(19.6) 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 410-380221/2	NE0551.D	05/26/2023	4:44
	MB 410-380061/1-A	NE0552.D	05/26/2023	5:18
	LCS 410-380061/2-A	NE0553.D	05/26/2023	5:40
	LCSD 410-380061/3-A	NE0554.D	05/26/2023	6:01
FBW001_052023	410-127407-3	NE0559.D	05/26/2023	7:50
FBW001-MS_052023 MS	410-127407-3 MS	NE0560.D	05/26/2023	8:12
FBW001-MSD_052023 MSD	410-127407-3 MSD	NE0561.D	05/26/2023	8:33
FBS010_052023	410-127407-1	NE0566.D	05/26/2023	10:22
Dup-01_052023	410-127407-2	NE0567.D	05/26/2023	10:43
FB-01_052023	410-127407-4	NE0568.D	05/26/2023	11:05

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Sample No.: ICIS 410-368078/2 Date Analyzed: 04/25/2023 06:05

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MD0951.D Heated Purge: (Y/N) N

Calibration ID: 49555

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		51750	4.51	179639	5.72	99410	7.39
UPPER LIMIT		103500	5.01	359278	6.22	198820	7.89
LOWER LIMIT		25875	4.01	89820	5.22	49705	6.89
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-368078/9		53176	4.51	180588	5.72	101771	7.39
ICV 410-369143/3		56347	4.51	191016	5.72	107749	7.39
CCVIS 410-380829/2		48385	4.48	165848	5.68	106448	7.36
CCVIS 410-382216/2		43844	4.47	148698	5.68	92817	7.36

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.: 410-127407-1

SDG No.:

Sample No.: ICIS 410-368078/2 Date Analyzed: 04/25/2023 06:05

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MD0951.D Heated Purge: (Y/N) N

Calibration ID: 49555

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		191334	8.79	180257	11.41	193506	13.30
UPPER LIMIT		382668	9.29	360514	11.91	387012	13.80
LOWER LIMIT		95667	8.29	90129	10.91	96753	12.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-368078/9		205679	8.79	184574	11.41	178648	13.29
ICV 410-369143/3		214787	8.79	191413	11.41	185770	13.30
CCVIS 410-380829/2		215496	8.76	226718	11.37	240556	13.25
CCVIS 410-382216/2		190464	8.76	201201	11.37	215681	13.25

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.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-380829/2 Date Analyzed: 05/30/2023 04:50

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): ME1161.D Heated Purge: (Y/N) N

Calibration ID: 49555

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		48385	4.48	165848	5.68	106448	7.36
UPPER LIMIT		96770	4.98	331696	6.18	212896	7.86
LOWER LIMIT		24193	3.98	82924	5.18	53224	6.86
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-127407-1 RA	FBS010_052023 RA	42458	4.48	139288	5.69	82335	7.36

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
NPT = Naphthalene-d8
Area Limit = 50%-200% of internal standard area
ANT = Acenaphthene-d10
RT Limit = ± 0.5 minutes of internal standard RT
ANT = Acenaphthene-d10
# 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.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-380829/2 Date Analyzed: 05/30/2023 04:50

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): ME1161.D Heated Purge: (Y/N) N

Calibration ID: 49555

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		215496	8.76	226718	11.37	240556	13.25
UPPER LIMIT		430992	9.26	453436	11.87	481112	13.75
LOWER LIMIT		107748	8.26	113359	10.87	120278	12.75
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-127407-1 RA	FBS010_052023 RA	169193	8.76	161699	11.37	168738	13.24

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
CRY = Chrysene-d12
CRY = Chrysene-d12
PRY = Perylene-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.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-382216/2 Date Analyzed: 06/02/2023 05:04

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MF0051.D Heated Purge: (Y/N) N

Calibration ID: 49555

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		43844	4.47	148698	5.68	92817	7.36
UPPER LIMIT		87688	4.97	297396	6.18	185634	7.86
LOWER LIMIT		21922	3.97	74349	5.18	46409	6.86
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-382041/1-A		38023	4.47	133309	5.68	76056	7.35
LCS 410-382041/2-A		38610	4.47	139783	5.68	77634	7.35
LCSD 410-382041/3-A		38209	4.48	146747	5.68	78870	7.35
410-127407-2 RE	Dup-01_052023 RE	42697	4.48	154735	5.68	98854	7.36

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
NPT = Naphthalene-d8
Area Limit = 50%-200% of internal standard area
ANT = Acenaphthene-d10
RT Limit = ± 0.5 minutes of internal standard RT
ANT = Acenaphthene-d10
# 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.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-382216/2 Date Analyzed: 06/02/2023 05:04

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): MF0051.D Heated Purge: (Y/N) N

Calibration ID: 49555

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		190464	8.76	201201	11.37	215681	13.25
UPPER LIMIT		380928	9.26	402402	11.87	431362	13.75
LOWER LIMIT		95232	8.26	100601	10.87	107841	12.75
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-382041/1-A		153691	8.76	146529	11.37	154470	13.24
LCS 410-382041/2-A		156014	8.76	156006	11.37	156712	13.24
LCSD 410-382041/3-A		159051	8.76	157223	11.37	159504	13.24
410-127407-2 RE	Dup-01_052023 RE	178674	8.76	187231	11.37	199319	13.24

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
CRY = Chrysene-d12
CRY = Chrysene-d12
PRY = Perylene-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.: 410-127407-1

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 410-380221/2		39435	4.54	155164	5.74	57507	7.41

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.: 410-127407-1

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 410-380221/2		87826	8.81	53728	11.47	60462	13.41

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-380221/2 Date Analyzed: 05/26/2023 04:44

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): NE0551.D Heated Purge: (Y/N) N

Calibration ID: 47415

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		39435	4.54	155164	5.74	57507	7.41
UPPER LIMIT		78870	5.04	310328	6.24	115014	7.91
LOWER LIMIT		19718	4.04	77582	5.24	28754	6.91
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-380061/1-A		39247	4.54	138882	5.74	57432	7.41
LCS 410-380061/2-A		36848	4.54	137153	5.74	53777	7.41
LCSD 410-380061/3-A		38708	4.54	142915	5.74	56702	7.41
410-127407-3	FBW001_052023	40001	4.54	141856	5.74	57302	7.41
410-127407-3 MS	FBW001-MS_052023 MS	36785	4.54	136805	5.74	52233	7.41
410-127407-3 MSD	FBW001-MSD_052023 MSD	37050	4.54	137942	5.74	53726	7.41
410-127407-1	FBS010_052023	39333	4.54	138420	5.74	57034	7.41
410-127407-2	Dup-01_052023	37983	4.54	135257	5.74	56793	7.41
410-127407-4	FB-01_052023	42529	4.54	153983	5.74	64312	7.41

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
NPT = Naphthalene-d8
Area Limit = 50%-200% of internal standard area
ANT = Acenaphthene-d10
RT Limit = ± 0.5 minutes of internal standard RT
ANT = Acenaphthene-d10
# 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.: 410-127407-1

SDG No.:

Sample No.: CCVIS 410-380221/2 Date Analyzed: 05/26/2023 04:44

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): NE0551.D Heated Purge: (Y/N) N

Calibration ID: 47415

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		87826	8.81	53728	11.47	60462	13.41
UPPER LIMIT		175652	9.31	107456	11.97	120924	13.91
LOWER LIMIT		43913	8.31	26864	10.97	30231	12.91
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-380061/1-A		84211	8.82	48682	11.47	41578	13.41
LCS 410-380061/2-A		79454	8.81	47080	11.47	42766	13.41
LCSD 410-380061/3-A		84772	8.81	51066	11.47	46386	13.41
410-127407-3	FBW001_052023	83422	8.82	48774	11.47	42202	13.41
410-127407-3 MS	FBW001-MS_052023 MS	78706	8.81	46857	11.47	42153	13.41
410-127407-3 MSD	FBW001-MSD_052023 MSD	80948	8.81	47922	11.46	42018	13.41
410-127407-1	FBS010_052023	82231	8.81	53227	11.47	49934	13.41
410-127407-2	Dup-01_052023	81090	8.81	49963	11.47	43002	13.41
410-127407-4	FB-01_052023	93300	8.81	55247	11.47	48486	13.41

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
CRY = Chrysene-d12
CRY = Chrysene-d12
PRY = Perylene-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.: 410-127407-1

SDG No.:

Client Sample ID: FBS010_052023
Lab Sample ID: 410-127407-1

Matrix: Water
Lab File ID: NE0566.D

Analysis Method: 8270D SIM
Date Collected: 05/18/2023 11:00

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 249.2(mL)
Date Analyzed: 05/26/2023 10:22

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.: 380221
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.30	0.10
90-12-0	1-Methylnaphthalene	ND		0.050	0.020
91-57-6	2-Methylnaphthalene	ND		0.050	0.020
83-32-9	Acenaphthene	ND		0.050	0.010
208-96-8	Acenaphthylene	ND		0.050	0.010
120-12-7	Anthracene	ND		0.050	0.010
56-55-3	Benzo[a]anthracene	ND		0.050	0.010
50-32-8	Benzo[a]pyrene	ND		0.050	0.010
205-99-2	Benzo[b]fluoranthene	ND		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	ND		0.050	0.010
207-08-9	Benzo[k]fluoranthene	ND		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	ND		0.050	0.020
85-68-7	Butylbenzylphthalate	ND	cn	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	1.0	0.050
84-74-2	Di-n-butyl phthalate	0.063	J	1.0	0.050
117-84-0	Di-n-octyl phthalate	ND	cn	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.: 410-127407-1

SDG No.:

Client Sample ID: FBS010_052023 Lab Sample ID: 410-127407-1

Matrix: Water Lab File ID: NE0566.D

Analysis Method: 8270D SIM Date Collected: 05/18/2023 11:00

Extract. Method: 3510C Date Extracted: 05/25/2023 15:27

Sample wt/vol: 249.2(mL) Date Analyzed: 05/26/2023 10:22

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.: 380221 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	57		33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	70		17-120
93951-69-0	Fluoranthene-d10 (Surr)	76		43-124

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0566.D
Lims ID: 410-127407-A-1-A
Client ID: FBS010_052023
Sample Type: Client
Inject. Date: 26-May-2023 10:22:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-1-A
Misc. Info.: 410-0085101-017
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:29:45 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: CTX1644

First Level Reviewer: SJ89 Date: 26-May-2023 20:28:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	97	39333	0.2500	
* 5 Naphthalene-d8	136	5.744	5.744	0.000	100	138420	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.477	6.477	0.000	99	34603	0.1436	
* 13 Acenaphthene-d10	164	7.408	7.408	0.000	99	57034	0.2500	
19 Hexachlorobenzene	284	8.443	8.443	0.000	90	224	0.002550	
* 20 Phenanthrene-d10	188	8.814	8.814	0.000	99	82231	0.2500	
23 Di-n-butyl phthalate	149	9.378	9.378	-0.006	100	5058	0.0158	M
$ 24 Fluoranthene-d10 (Surr)	212	9.948	9.948	0.000	100	50426	0.1897	
* 29 Chrysene-d12	240	11.465	11.465	0.000	81	53227	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.519	11.519	0.000	99	2219	0.0162	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.298	13.291	0.007	98	29188	0.1742	
* 38 Perylene-d12	264	13.413	13.413	0.000	97	49934	0.2500	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00036 Amount Added: 10.00 Units: uL Run Reagent

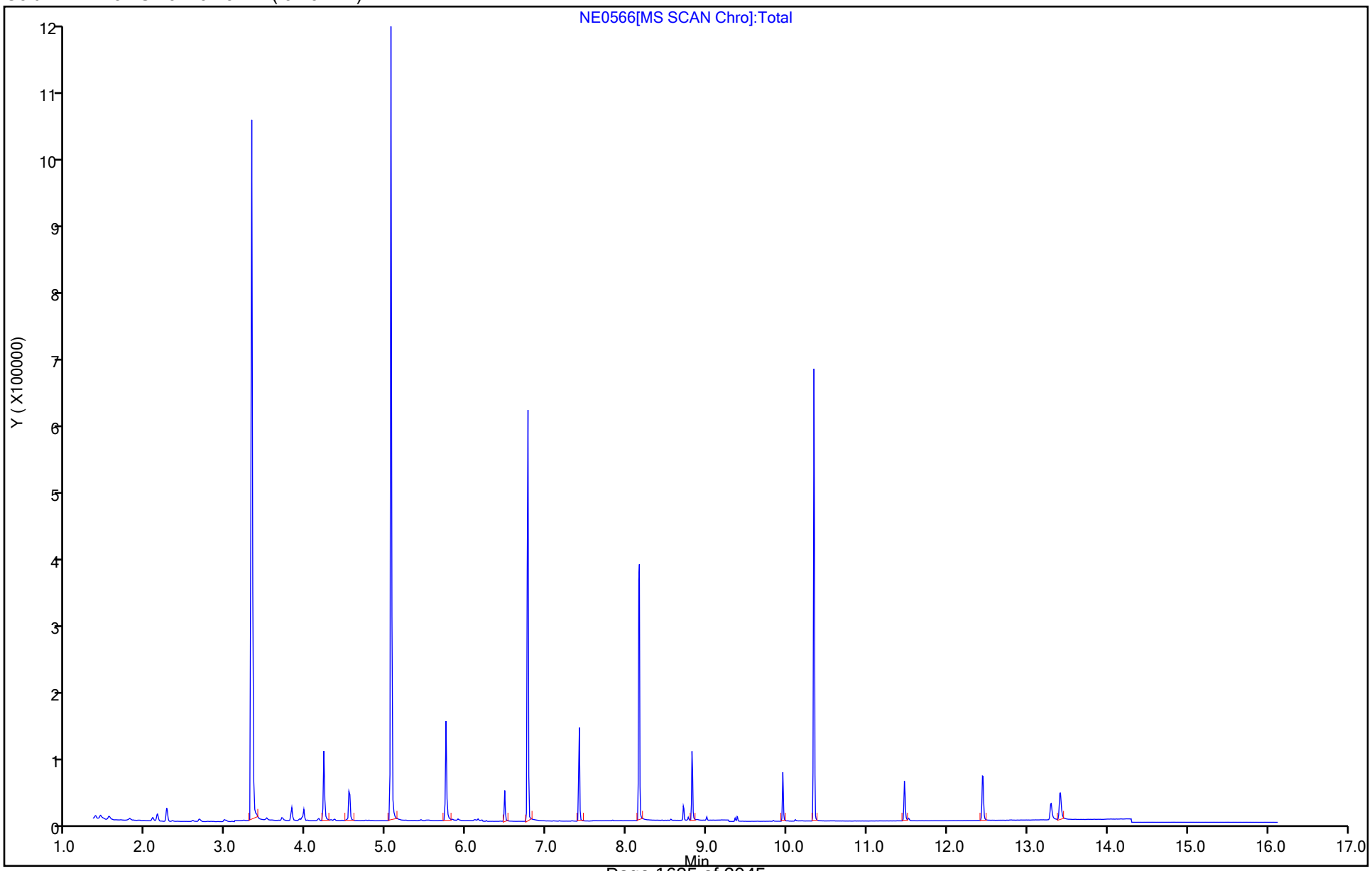
Report Date: 26-May-2023 20:30:19 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0566.D

Injection Date:	26-May-2023 10:22:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-127407-A-1-A	Lab Sample ID:	410-127407-1	Worklist Smp#:	17
Client ID:	FBS010_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
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\20230526-85101.b\NE0566.D				
Lims ID:	410-127407-A-1-A				
Client ID:	FBS010_052023				
Sample Type:	Client				
Inject. Date:	26-May-2023 10:22:30	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-A-1-A				
Misc. Info.:	410-0085101-017				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	26-May-2023 20:29:45	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:	CTX1644				

First Level Reviewer: SJ89 Date: 26-May-2023 20:28:33

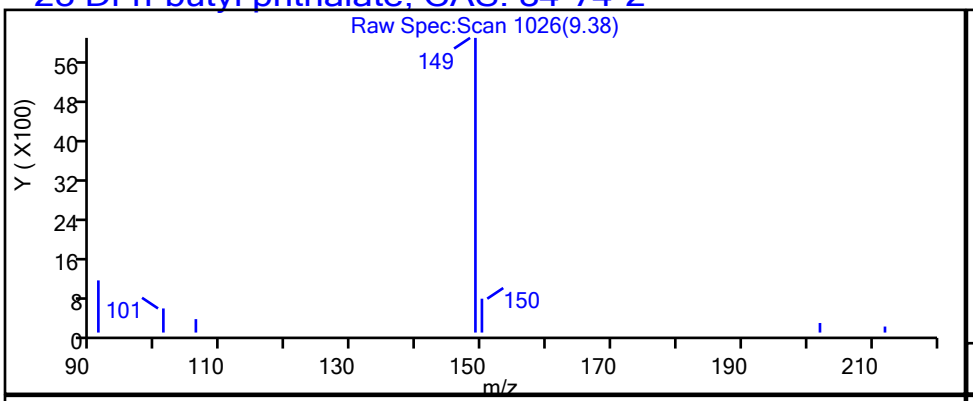
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1436	57.46
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1897	75.90
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1742	69.69

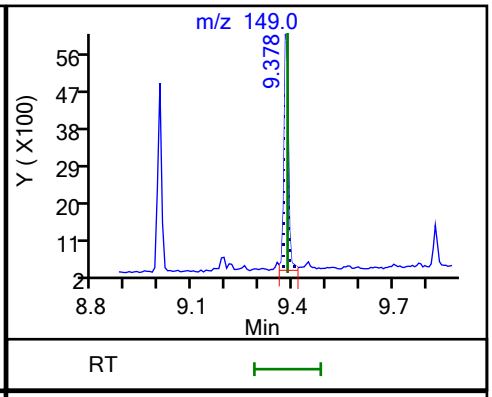
Report Date: 26-May-2023 20:30:19 Chrom Revision: 2.3 23-May-2023 13:55:56

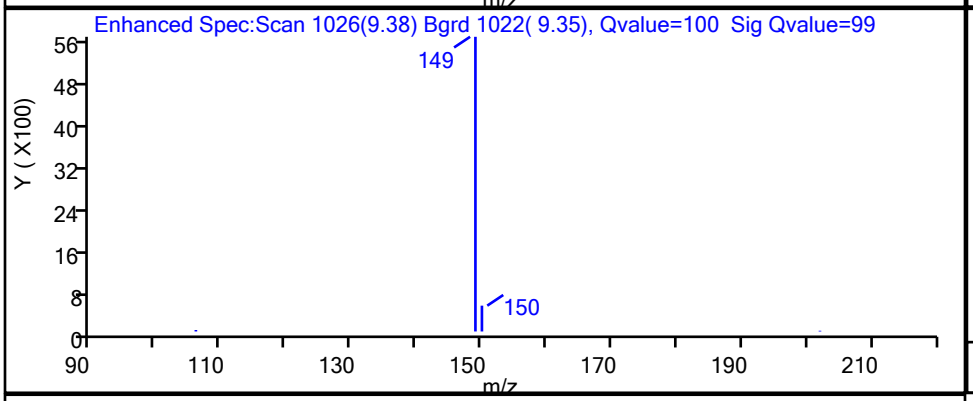
Eurofins Lancaster Laboratories Environment Testing, LLC

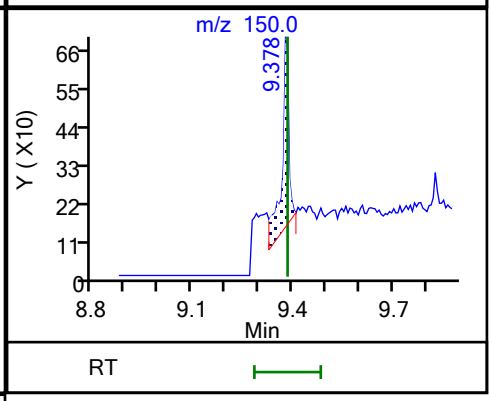
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0566.D				
Injection Date:	26-May-2023 10:22:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-1-A	Lab Sample ID:	410-127407-1		
Client ID:	FBS010_052023				
Operator ID:	jmg00346	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 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		

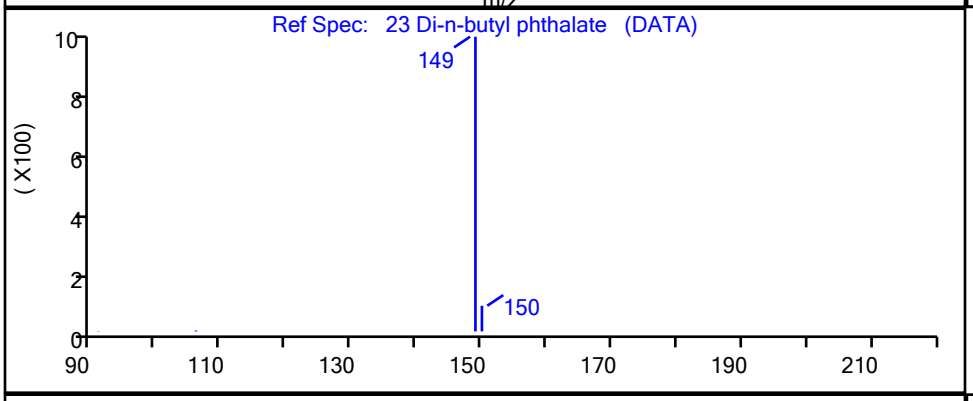
23 Di-n-butyl phthalate, CAS: 84-74-2

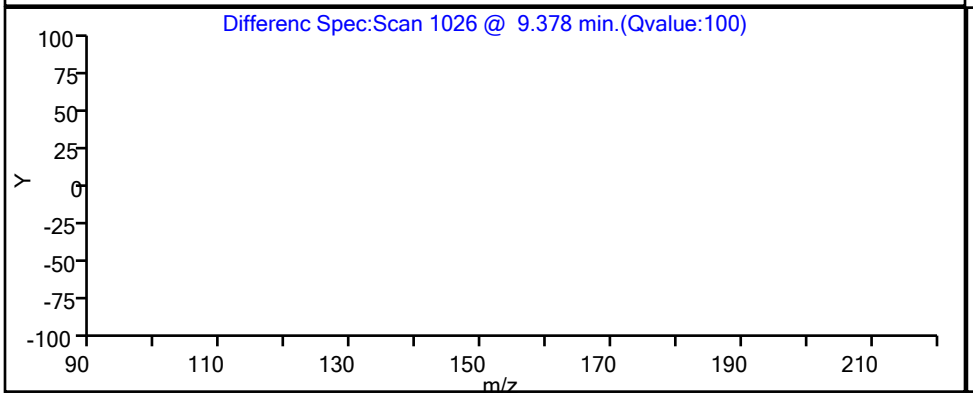


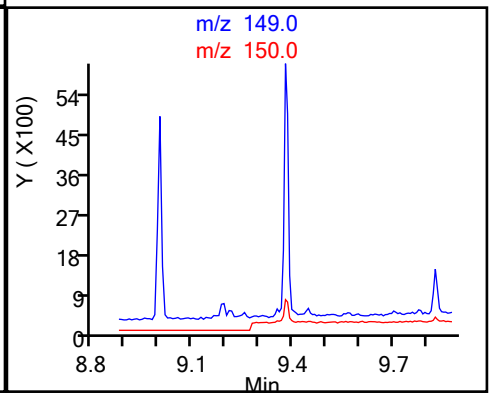












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

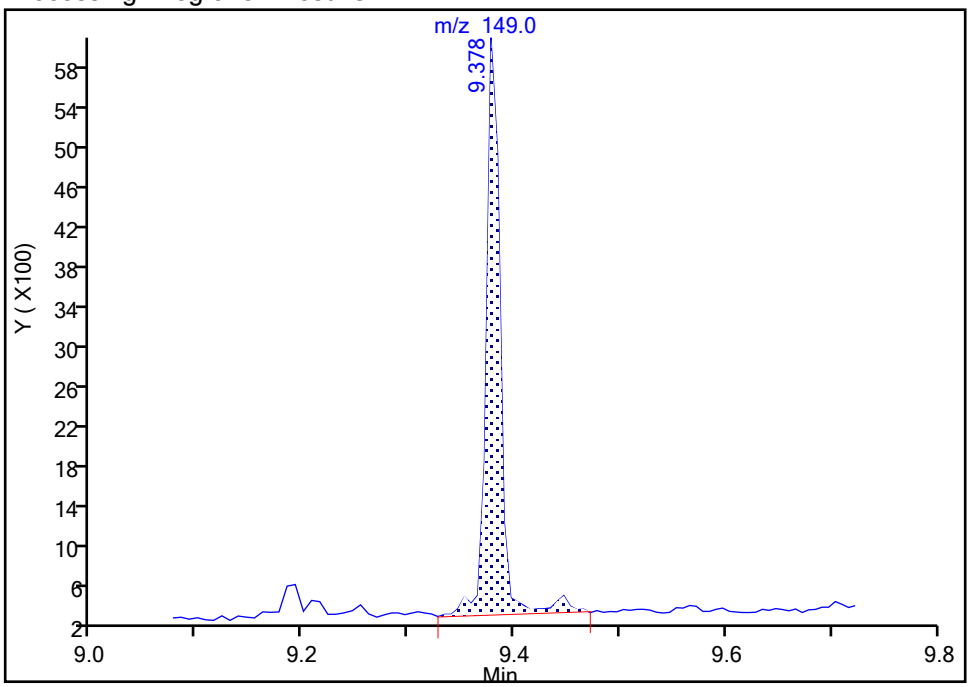
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0566.D				
Injection Date:	26-May-2023 10:22:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-1-A	Lab Sample ID:	410-127407-1		
Client ID:	FBS010_052023				
Operator ID:	jmg00346	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

23 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

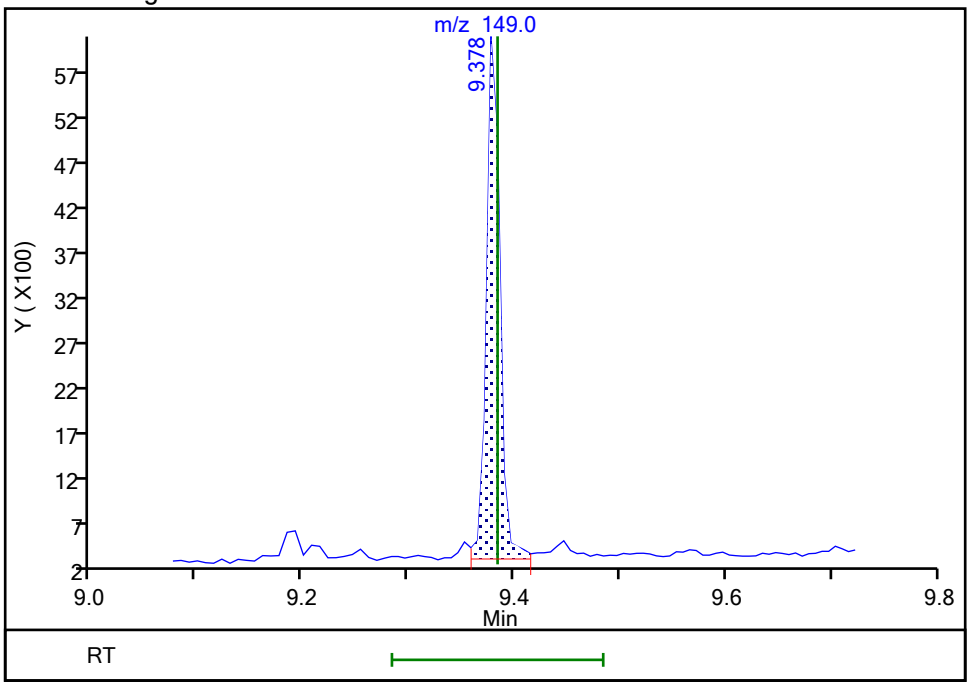
Processing Integration Results

RT: 9.38
Area: 5423
Amount: 0.016954
Amount Units: ug/ml



Manual Integration Results

RT: 9.38
Area: 5058
Amount: 0.015813
Amount Units: ug/ml



Reviewer: SJ89, 26-May-2023 20:28:20 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

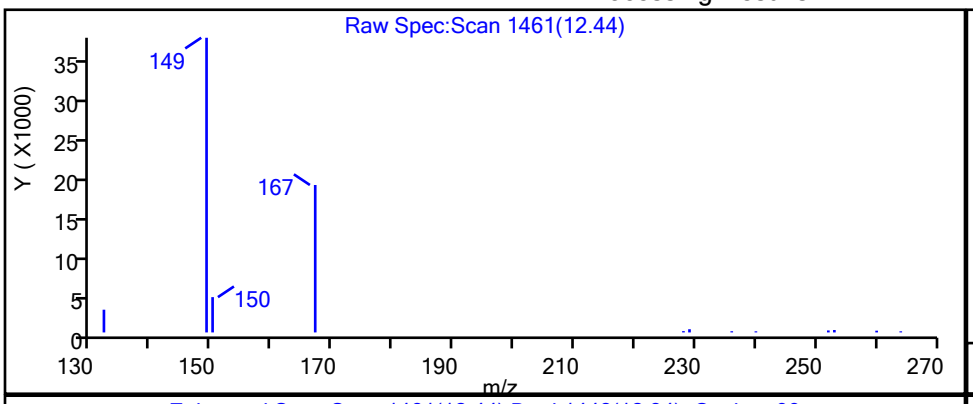
User Disabled Compound Report

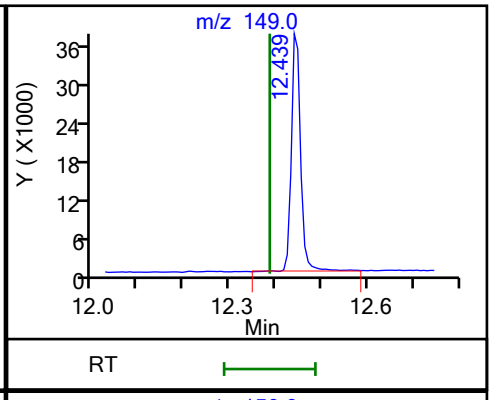
Eurofins Lancaster Laboratories Environment Testing, LLC

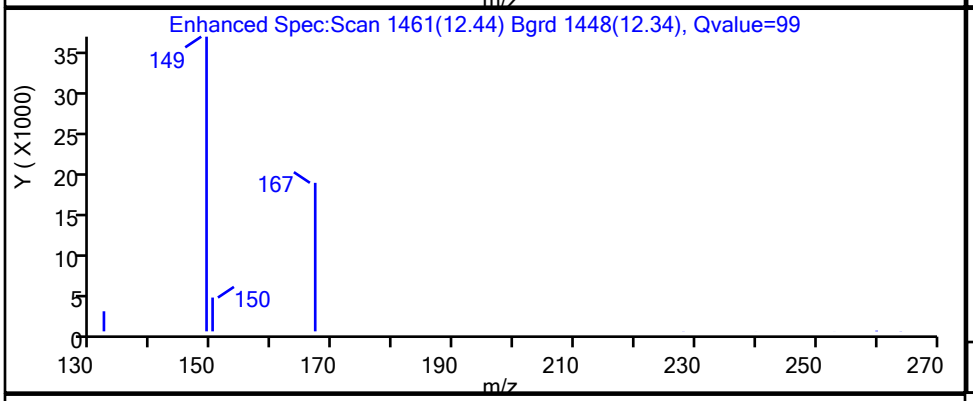
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0566.D				
Injection Date:	26-May-2023 10:22:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-1-A	Lab Sample ID:	410-127407-1		
Client ID:	FBS010_052023				
Operator ID:	jmg00346	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 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		

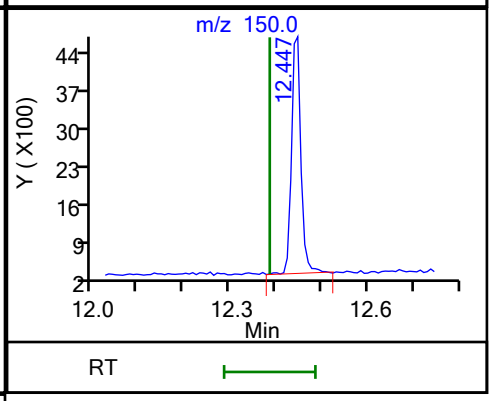
32 Di-n-octyl phthalate, CAS: 117-84-0

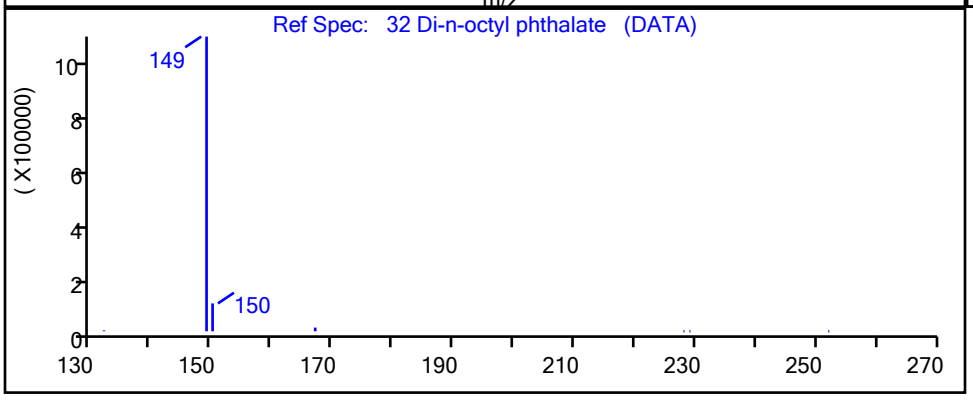
Processing Results











RT	Mass	Response	Amount
12.44	149.00	51745	0.235812
12.45	150.00	6268	

Reviewer: SJ89, 26-May-2023 20:28:28 -04:00:00 (UTC)

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.: 410-127407-1

SDG No.:

Client Sample ID: FBS010_052023 RA
Lab Sample ID: 410-127407-1 RA

Matrix: Water
Lab File ID: ME1168.D

Analysis Method: 8270D SIM
Date Collected: 05/18/2023 11:00

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 249.2(mL)
Date Analyzed: 05/30/2023 07:38

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.: 380829
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.50	J	1.0	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	51		33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	63		17-120
93951-69-0	Fluoranthene-d10 (Surr)	64		43-124

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1168.D
Lims ID: 410-127407-A-1-A
Client ID: FBS010_052023
Sample Type: Client
Inject. Date: 30-May-2023 07:38:06 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-1-A
Misc. Info.: 410-0085260-009
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 31-May-2023 05:50:32 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: UJM0 Date: 30-May-2023 07:57:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	64	42458	0.2500	
* 5 Naphthalene-d8	136	5.693	5.681	0.013	91	139288	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.421	6.421	0.000	98	43065	0.1270	
* 13 Acenaphthene-d10	164	7.357	7.357	0.001	86	82335	0.2500	
* 20 Phenanthrene-d10	188	8.763	8.762	0.001	94	169193	0.2500	
23 Di-n-butyl phthalate	149	9.340	9.332	0.000	100	7487	0.0129	M
$ 24 Fluoranthene-d10 (Surr)	212	9.892	9.883	0.000	98	123826	0.1601	
* 29 Chrysene-d12	240	11.374	11.374	0.000	55	161699	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.451	11.451	0.000	100	3674	0.1243	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.130	13.130	0.000	100	98123	0.1581	
* 38 Perylene-d12	264	13.238	13.245	-0.007	100	168738	0.2500	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

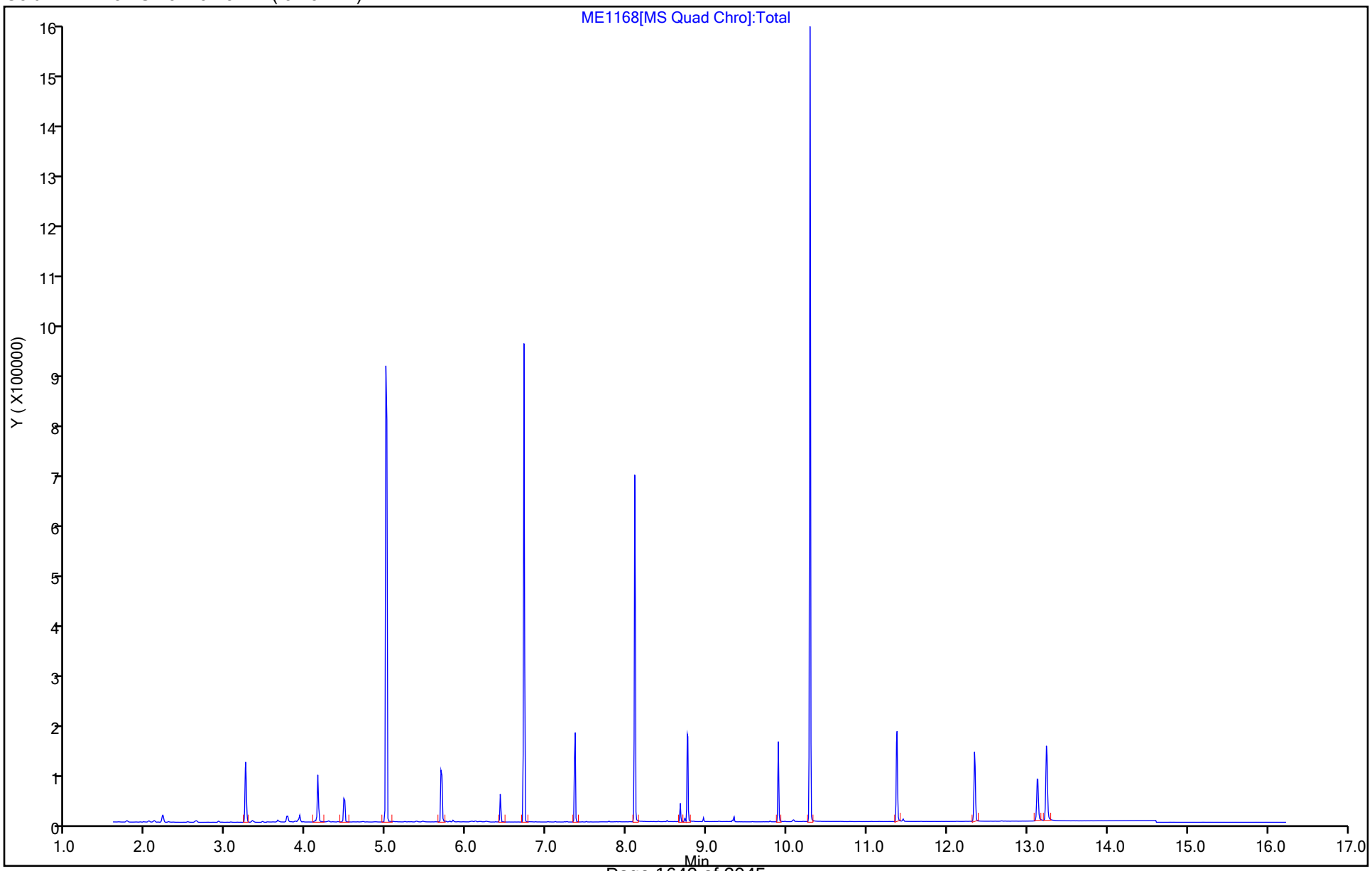
MSS_RVSIM_IS_00037 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 31-May-2023 05:50:34 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1168.D				
Injection Date:	30-May-2023 07:38:06	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-127407-A-1-A	Lab Sample ID:	410-127407-1	Worklist Smp#:	9
Client ID:	FBS010_052023				
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\20230530-85260.b\ME1168.D				
Lims ID:	410-127407-A-1-A				
Client ID:	FBS010_052023				
Sample Type:	Client				
Inject. Date:	30-May-2023 07:38:06	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-A-1-A				
Misc. Info.:	410-0085260-009				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	31-May-2023 05:50:32	Calib Date:	25-Apr-2023 08:11:13		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1681				

First Level Reviewer: UJM0 Date: 30-May-2023 07:57:15

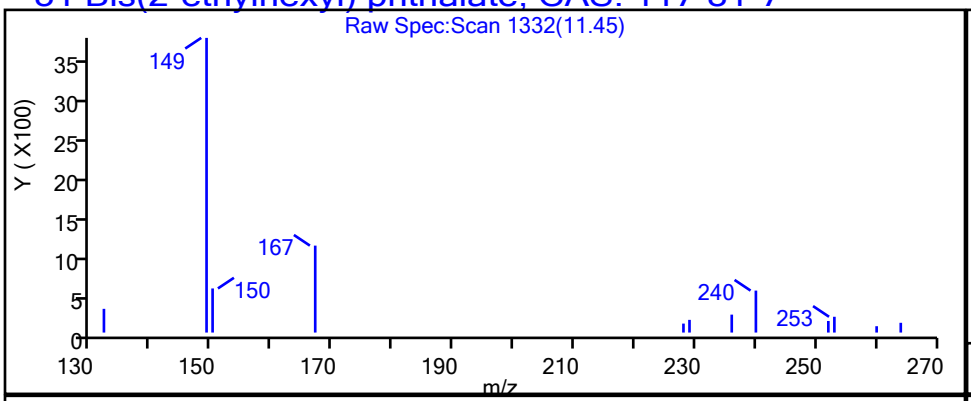
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1270	50.79
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1601	64.04
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1581	63.26

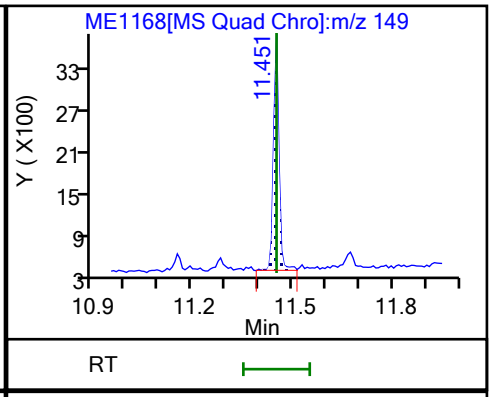
Report Date: 31-May-2023 05:50:34 Chrom Revision: 2.3 23-May-2023 13:55:56

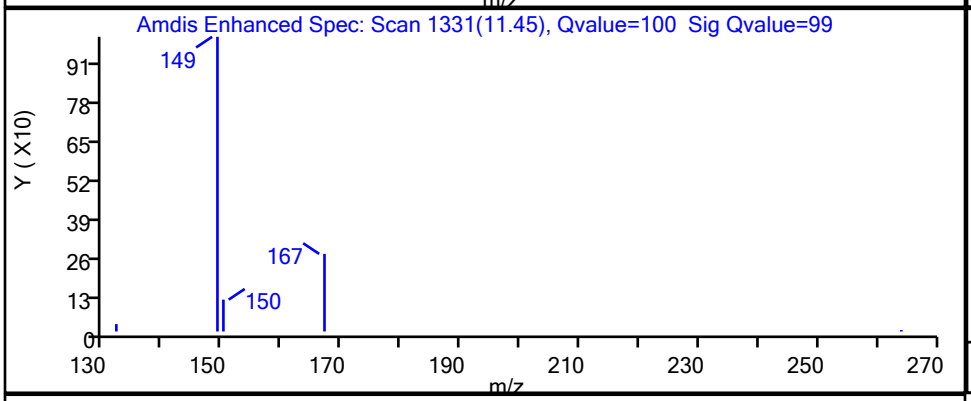
Eurofins Lancaster Laboratories Environment Testing, LLC

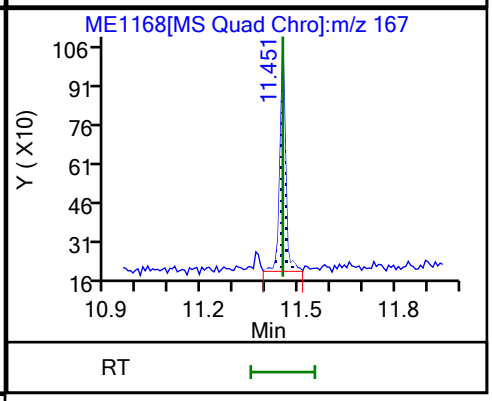
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1168.D				
Injection Date:	30-May-2023 07:38:06	Instrument ID:	HP21585		
Lims ID:	410-127407-A-1-A	Lab Sample ID:	410-127407-1		
Client ID:	FBS010_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	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		

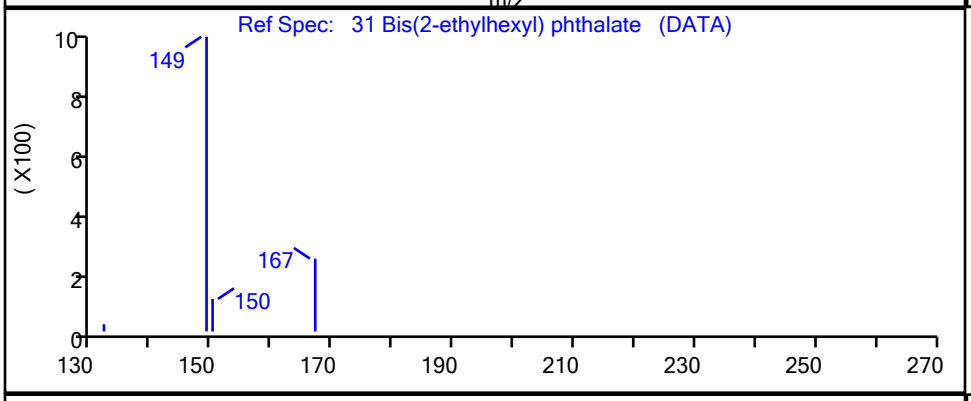
31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

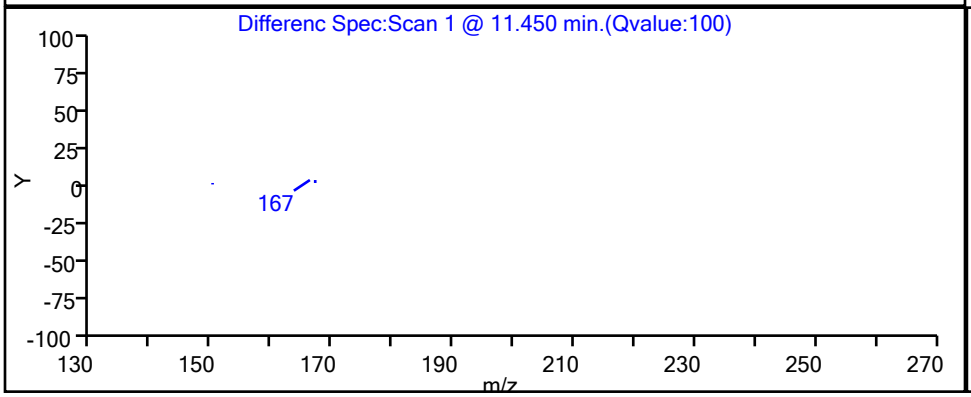


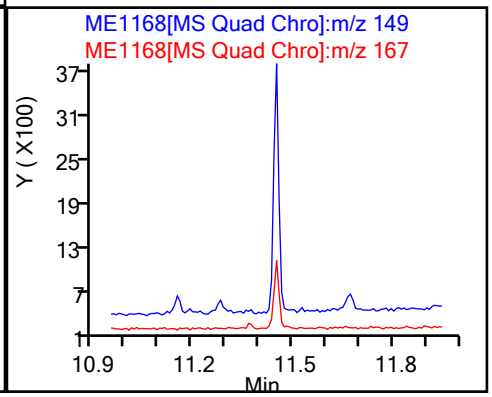












FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID: Dup-01_052023
Lab Sample ID: 410-127407-2

Matrix: Water
Lab File ID: NE0567.D

Analysis Method: 8270D SIM
Date Collected: 05/18/2023 12:00

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 246.8(mL)
Date Analyzed: 05/26/2023 10:43

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.: 380221
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND	cn	0.30	0.10
90-12-0	1-Methylnaphthalene	ND	cn	0.051	0.020
91-57-6	2-Methylnaphthalene	ND	cn	0.051	0.020
83-32-9	Acenaphthene	ND	cn	0.051	0.010
208-96-8	Acenaphthylene	ND	cn	0.051	0.010
120-12-7	Anthracene	ND	cn	0.051	0.010
56-55-3	Benzo[a]anthracene	ND	cn	0.051	0.010
50-32-8	Benzo[a]pyrene	ND	cn	0.051	0.010
205-99-2	Benzo[b]fluoranthene	ND	cn	0.051	0.010
191-24-2	Benzo[g,h,i]perylene	ND	cn	0.051	0.010
207-08-9	Benzo[k]fluoranthene	ND	cn	0.051	0.010
111-44-4	Bis(2-chloroethyl)ether	ND	cn	0.051	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051
85-68-7	Butylbenzylphthalate	ND	cn	1.0	0.051
218-01-9	Chrysene	ND	cn	0.051	0.010
53-70-3	Dibenz(a,h)anthracene	ND	cn	0.051	0.020
132-64-9	Dibenzofuran	ND	cn	0.051	0.010
84-66-2	Diethylphthalate	ND	cn	1.0	0.051
131-11-3	Dimethylphthalate	ND	*1 cn	1.0	0.051
84-74-2	Di-n-butyl phthalate	ND	cn	1.0	0.051
117-84-0	Di-n-octyl phthalate	ND	cn	1.0	0.051
206-44-0	Fluoranthene	ND	cn	0.051	0.010
86-73-7	Fluorene	ND	cn	0.051	0.010
118-74-1	Hexachlorobenzene	ND	cn	0.051	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	ND	cn	0.051	0.020
91-20-3	Naphthalene	ND	cn	0.071	0.030
62-75-9	N-Nitrosodimethylamine	ND	cn	0.051	0.020
85-01-8	Phenanthrene	ND	cn	0.071	0.030
129-00-0	Pyrene	ND	cn	0.051	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: Dup-01_052023 Lab Sample ID: 410-127407-2

Matrix: Water Lab File ID: NE0567.D

Analysis Method: 8270D SIM Date Collected: 05/18/2023 12:00

Extract. Method: 3510C Date Extracted: 05/25/2023 15:27

Sample wt/vol: 246.8(mL) Date Analyzed: 05/26/2023 10:43

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.: 380221 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	18	S1-cn	33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	22	cn	17-120
93951-69-0	Fluoranthene-d10 (Surr)	31	S1-cn	43-124

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0567.D				
Lims ID:	410-127407-A-2-A				
Client ID:	Dup-01_052023				
Sample Type:	Client				
Inject. Date:	26-May-2023 10:43:30	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-A-2-A				
Misc. Info.:	410-0085101-018				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	26-May-2023 20:29:45	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:	CTX1644				
First Level Reviewer: SJ89		Date:	26-May-2023 20:29:03		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	99	37983	0.2500	
* 5 Naphthalene-d8	136	5.744	5.744	0.000	100	135257	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.477	6.477	0.000	100	10354	0.0440	
* 13 Acenaphthene-d10	164	7.408	7.408	0.000	98	56793	0.2500	
* 20 Phenanthrene-d10	188	8.814	8.814	0.000	99	81090	0.2500	
$ 24 Fluoranthene-d10 (Surr)	212	9.948	9.948	0.000	100	20320	0.0775	
* 29 Chrysene-d12	240	11.465	11.465	0.000	81	49963	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.519	11.519	0.000	99	1405	0.0109	M
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.298	13.291	0.007	98	7900	0.0548	
* 38 Perylene-d12	264	13.413	13.413	0.000	97	43002	0.2500	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00036 Amount Added: 10.00 Units: uL Run Reagent

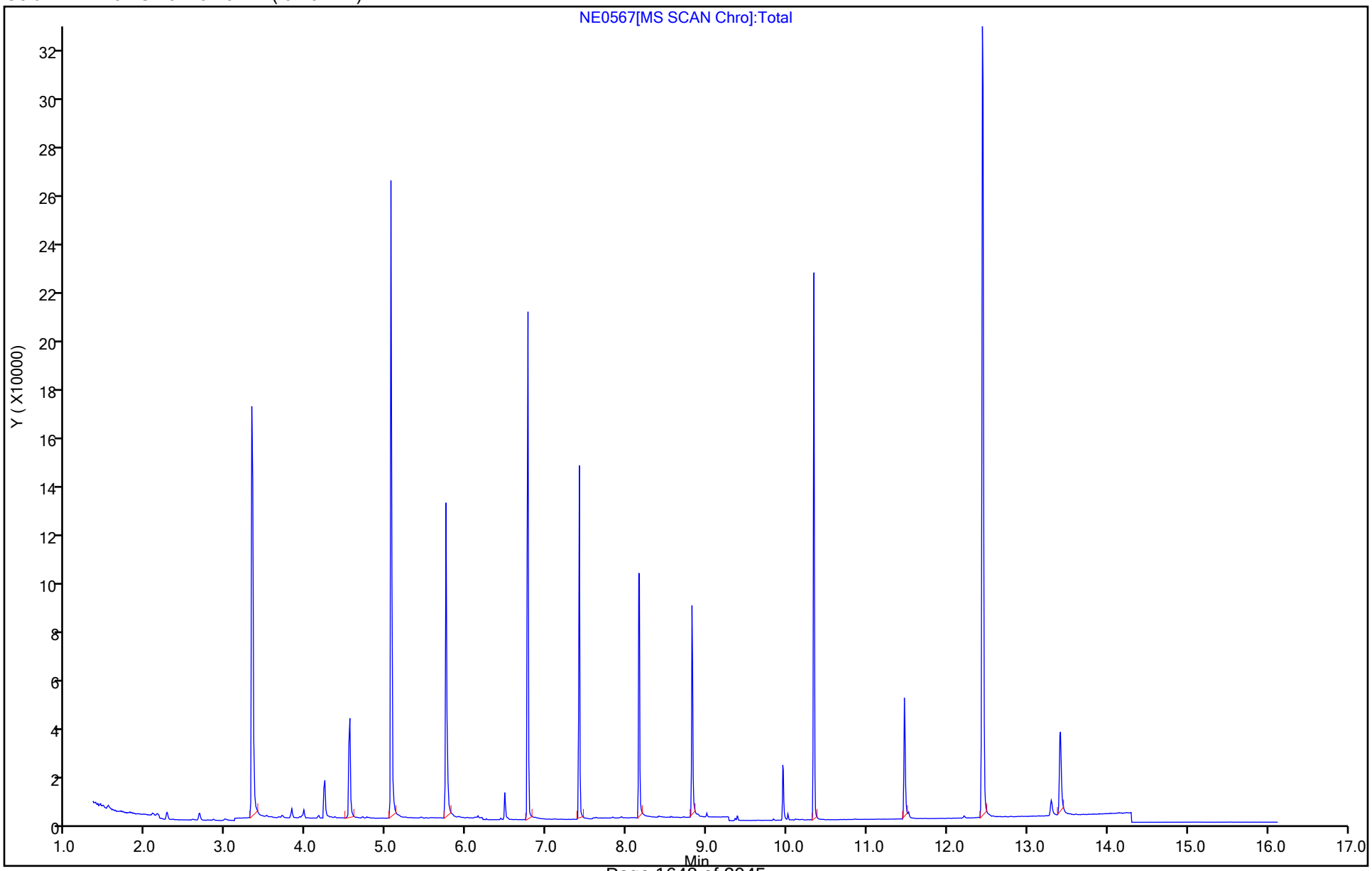
Report Date: 26-May-2023 20:30:20 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0567.D

Injection Date:	26-May-2023 10:43:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-127407-A-2-A	Lab Sample ID:	410-127407-2	Worklist Smp#:	18
Client ID:	Dup-01_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
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\20230526-85101.b\NE0567.D				
Lims ID:	410-127407-A-2-A				
Client ID:	Dup-01_052023				
Sample Type:	Client				
Inject. Date:	26-May-2023 10:43:30	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-A-2-A				
Misc. Info.:	410-0085101-018				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	26-May-2023 20:29:45	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:	CTX1644				

First Level Reviewer: SJ89 Date: 26-May-2023 20:29:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.0440	17.60
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.0775	31.01
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.0548	21.90

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

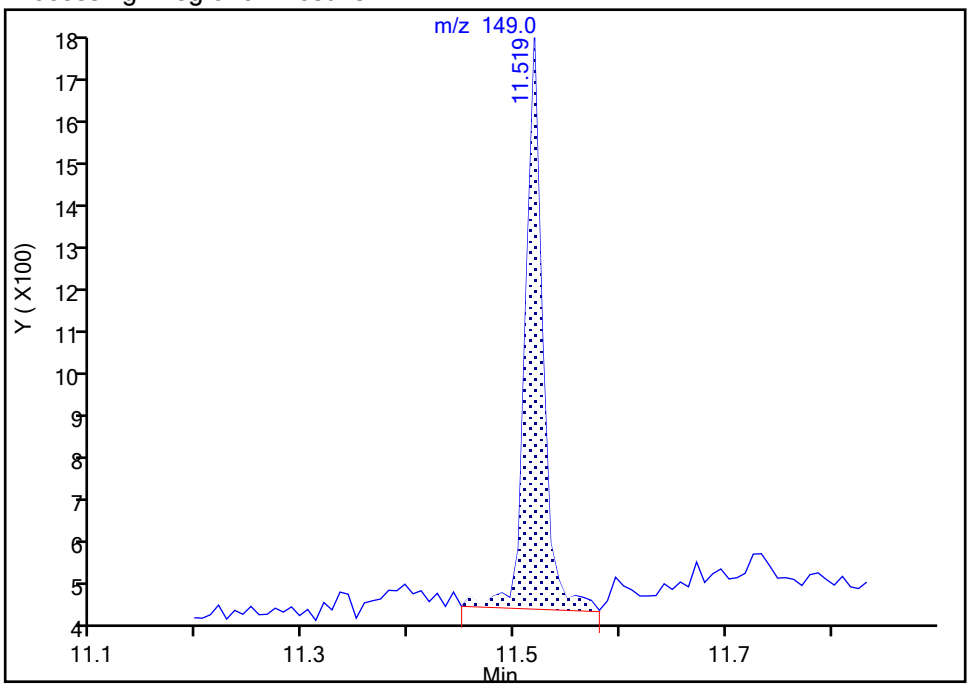
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0567.D				
Injection Date:	26-May-2023 10:43:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-2-A	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

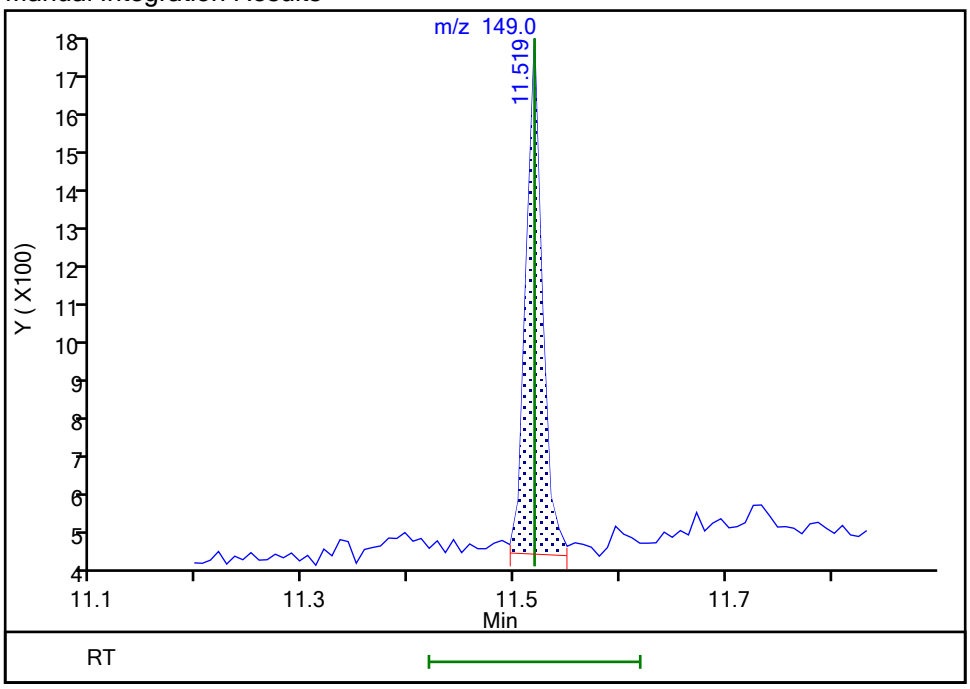
Processing Integration Results

RT: 11.52
Area: 1505
Amount: 0.011683
Amount Units: ug/ml



Manual Integration Results

RT: 11.52
Area: 1405
Amount: 0.010907
Amount Units: ug/ml



Reviewer: SJ89, 26-May-2023 20:28:57 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

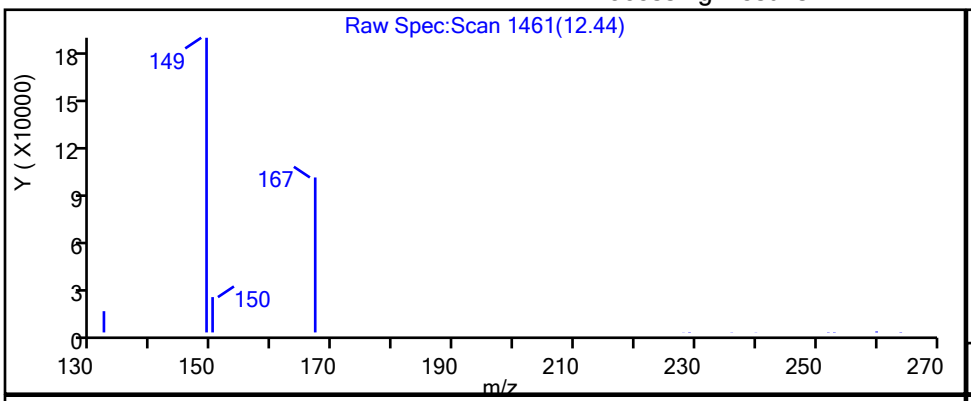
User Disabled Compound Report

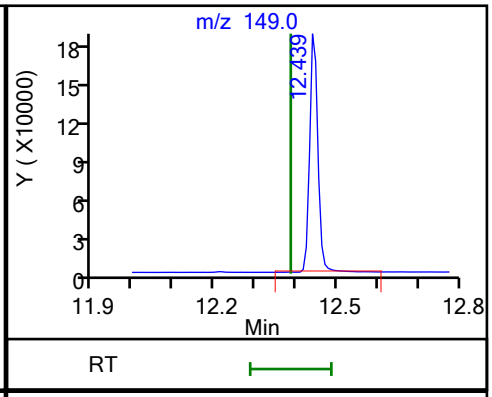
Eurofins Lancaster Laboratories Environment Testing, LLC

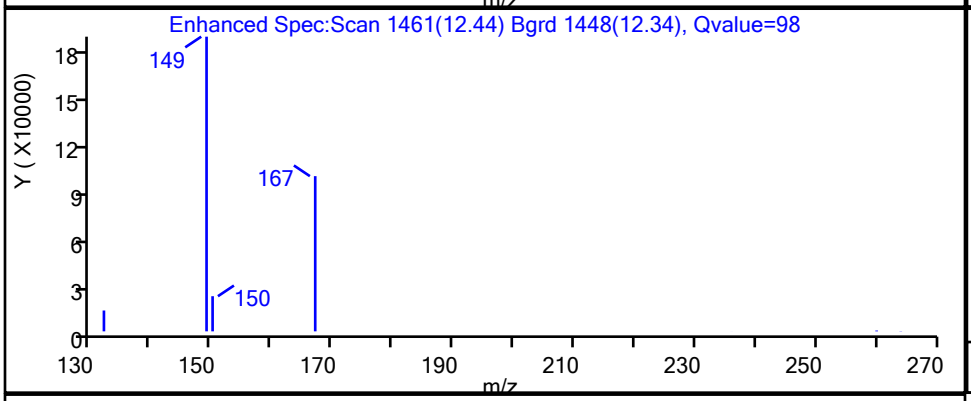
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0567.D				
Injection Date:	26-May-2023 10:43:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-2-A	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 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		

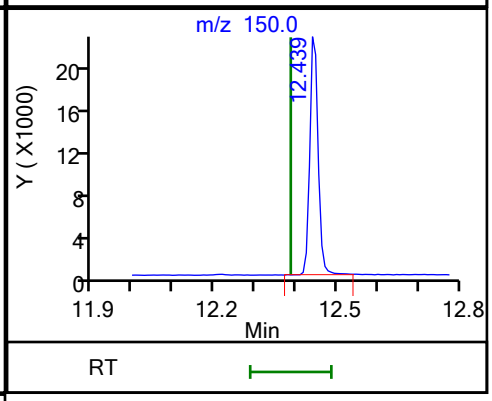
32 Di-n-octyl phthalate, CAS: 117-84-0

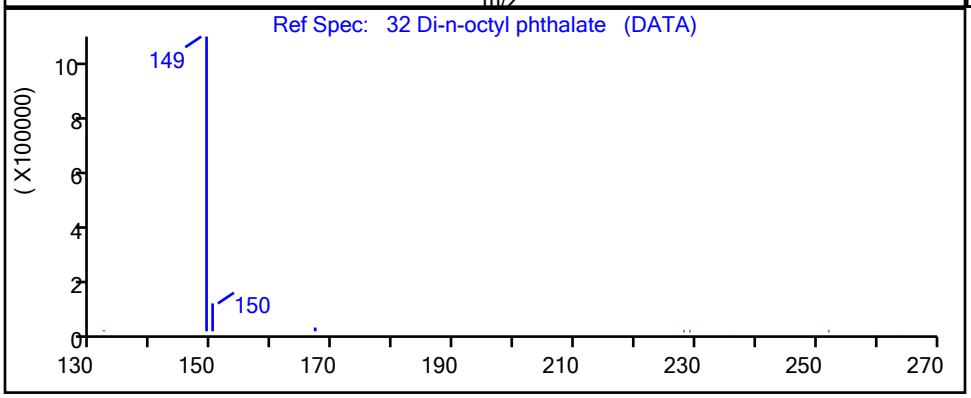
Processing Results











RT	Mass	Response	Amount
12.44	149.00	267348	1.414759
12.44	150.00	32038	

Reviewer: SJ89, 26-May-2023 20:28:59 -04:00:00 (UTC)

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.: 410-127407-1

SDG No.:

Client Sample ID: Dup-01_052023 RE
Lab Sample ID: 410-127407-2 RE

Matrix: Water
Lab File ID: MF0057.D

Analysis Method: 8270D SIM
Date Collected: 05/18/2023 12:00

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:47

Sample wt/vol: 248.2(mL)
Date Analyzed: 06/02/2023 07:40

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 382216
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	5.2	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	0.075	H	0.050	0.010
208-96-8	Acenaphthylene	0.020	J 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	0.021	J H	0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.75	J H B	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	0.070	J H	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.: 410-127407-1

SDG No.:

Client Sample ID: Dup-01_052023 RE Lab Sample ID: 410-127407-2 RE

Matrix: Water Lab File ID: MF0057.D

Analysis Method: 8270D SIM Date Collected: 05/18/2023 12:00

Extract. Method: 3510C Date Extracted: 06/01/2023 15:47

Sample wt/vol: 248.2(mL) Date Analyzed: 06/02/2023 07:40

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 382216 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	60		33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	73		17-120
93951-69-0	Fluoranthene-d10 (Surr)	65		43-124

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D
Lims ID: 410-127407-C-2-A RE
Client ID: Dup-01_052023
Sample Type: Client
Inject. Date: 02-Jun-2023 07:40:10 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-C-2-A
Misc. Info.: 410-0085590-008
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 05-Jun-2023 04:54:48 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: UJM0 Date: 02-Jun-2023 08:05:14

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.749	1.635	0.114	84	135781	1.30	Ma
	3 Bis(2-chloroethyl)ether	93	4.219	4.206	0.012	92	1284	0.005151	
*	4 1,4-Dichlorobenzene-d4	152	4.481	4.468	0.013	71	42697	0.2500	
*	5 Naphthalene-d8	136	5.681	5.681	0.000	91	154735	0.2500	
	6 Naphthalene	128	5.706	5.706	0.000	1	3902	0.005427	7M
$	9 1-Methylnaphthalene-d10	152	6.421	6.421	0.000	98	56102	0.1489	
	10 1-Methylnaphthalene	142	6.451	6.460	-0.009	98	1527	0.003398	M
	12 Acenaphthylene	152	7.209	7.209	-0.010	97	3636	0.004920	M
*	13 Acenaphthene-d10	164	7.357	7.357	0.000	97	98854	0.2500	
	14 Acenaphthene	154	7.357	7.366	-0.019	38	8884	0.0186	M
*	20 Phenanthrene-d10	188	8.755	8.755	0.000	95	178674	0.2500	
	23 Di-n-butyl phthalate	149	9.334	9.340	-0.006	100	10577	0.0173	
$	24 Fluoranthene-d10 (Surr)	212	9.892	9.892	0.000	98	131960	0.1616	
	28 Benzo[a]anthracene	228	11.366	11.359	0.007	5	615	0.000627	7M
*	29 Chrysene-d12	240	11.366	11.374	-0.008	55	187231	0.2500	
	31 Bis(2-ethylhexyl) phthalate	149	11.451	11.451	0.000	99	31502	0.1863	
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.130	13.130	0.000	99	132887	0.1813	
*	38 Perylene-d12	264	13.238	13.245	-0.007	100	199319	0.2500	
	40 Indeno[1,2,3-cd]pyrene	276	14.773	14.773	0.000	99	328	0.000374	7M

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSS_RVSIM_IS_00037 Amount Added: 10.00 Units: uL Run Reagent

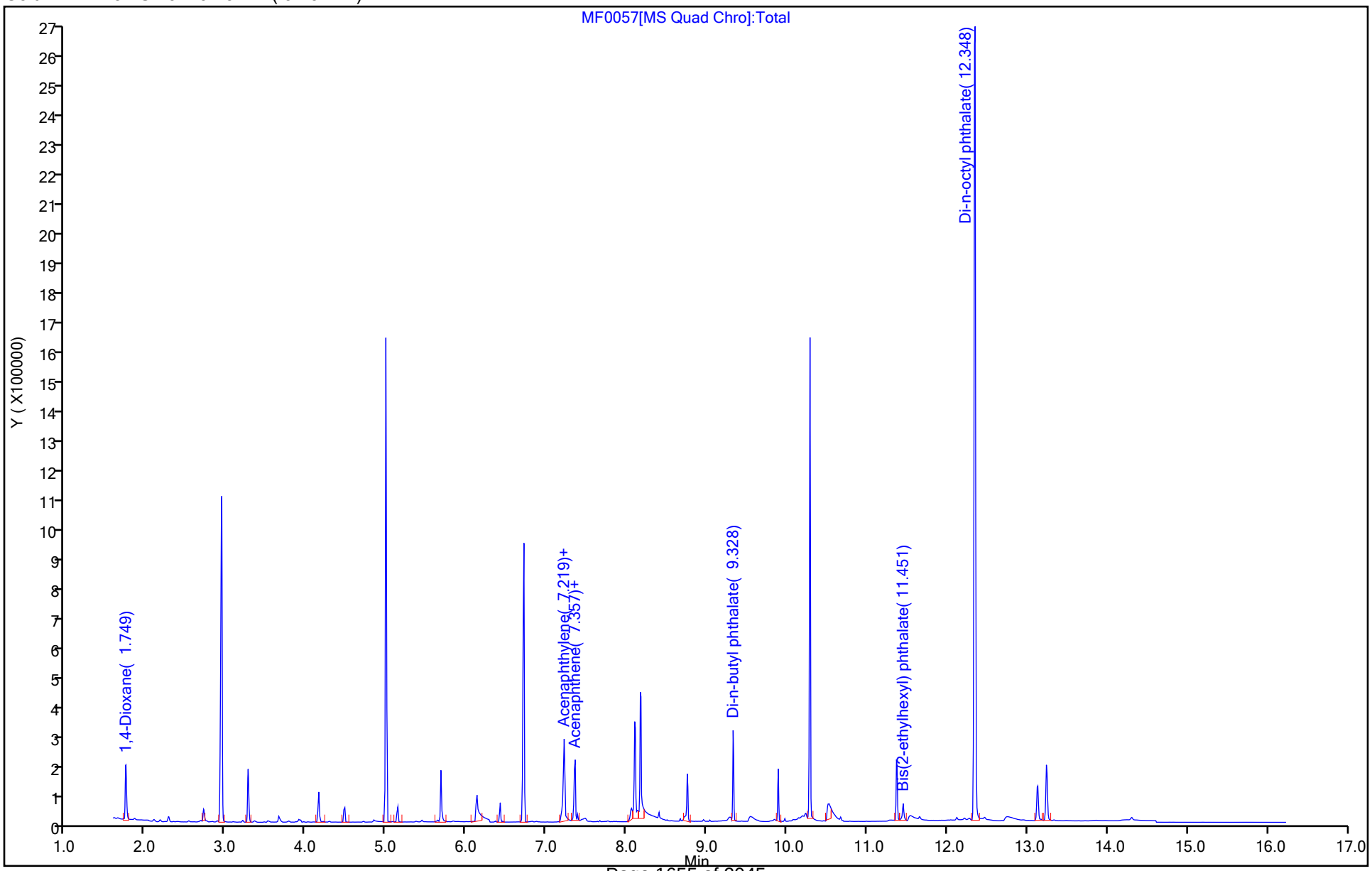
Report Date: 05-Jun-2023 05:02:54 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D

Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2	Worklist Smp#:	8
Client ID:	Dup-01_052023				
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\20230602-85590.b\MF0057.D
Lims ID: 410-127407-C-2-A RE
Client ID: Dup-01_052023
Sample Type: Client
Inject. Date: 02-Jun-2023 07:40:10 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-C-2-A
Misc. Info.: 410-0085590-008
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 05-Jun-2023 04:54:48 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: UJM0 Date: 02-Jun-2023 08:05:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1489	59.56
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1616	64.63
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1813	72.52

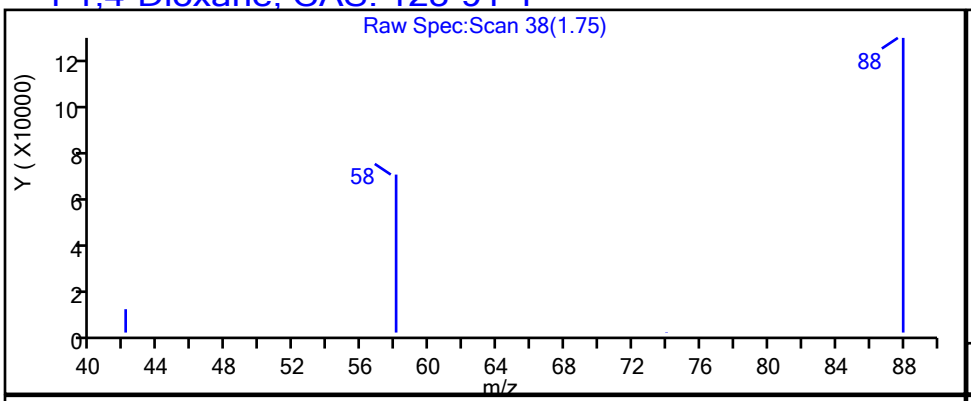
Report Date: 05-Jun-2023 05:02:54 Chrom Revision: 2.3 23-May-2023 13:55:56

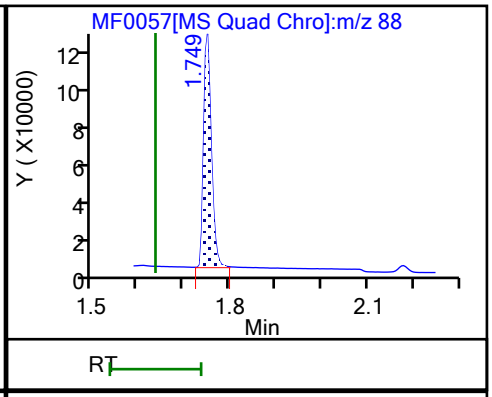
Eurofins Lancaster Laboratories Environment Testing, LLC

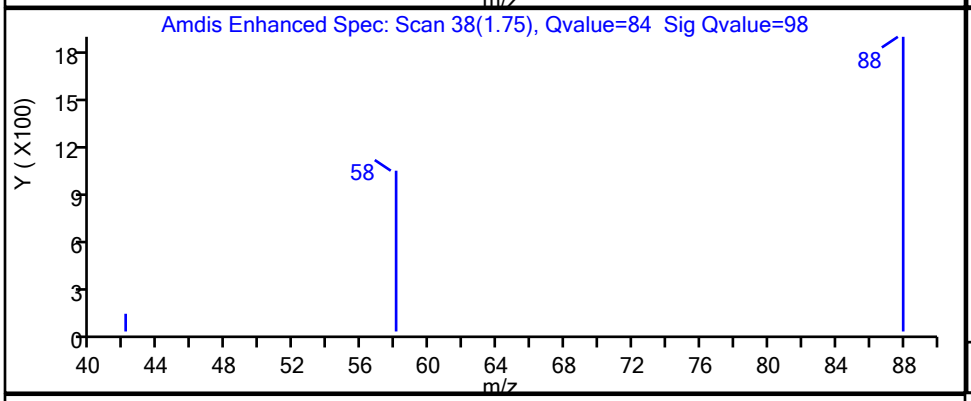
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D

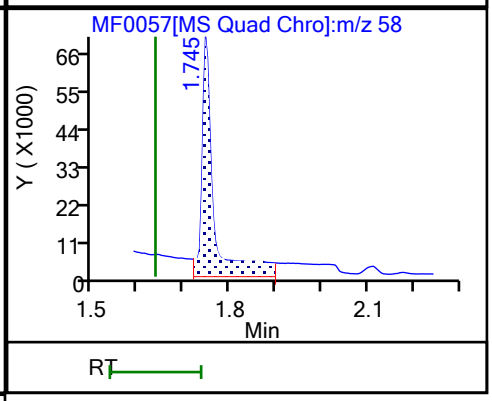
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

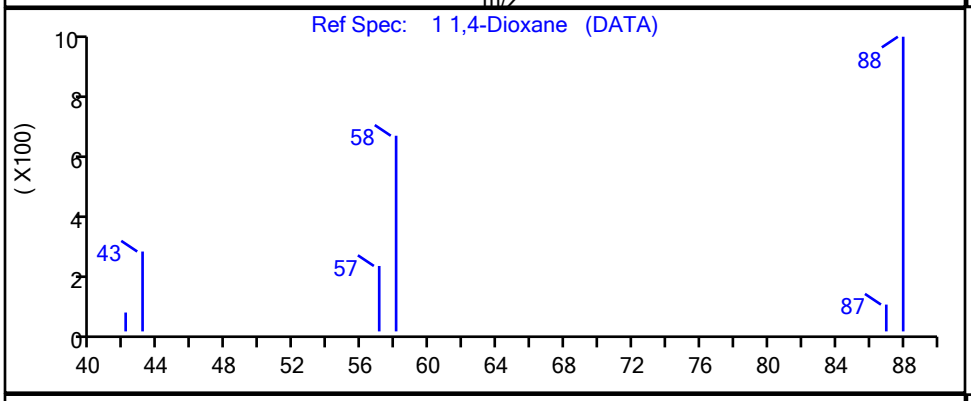
1 1,4-Dioxane, CAS: 123-91-1

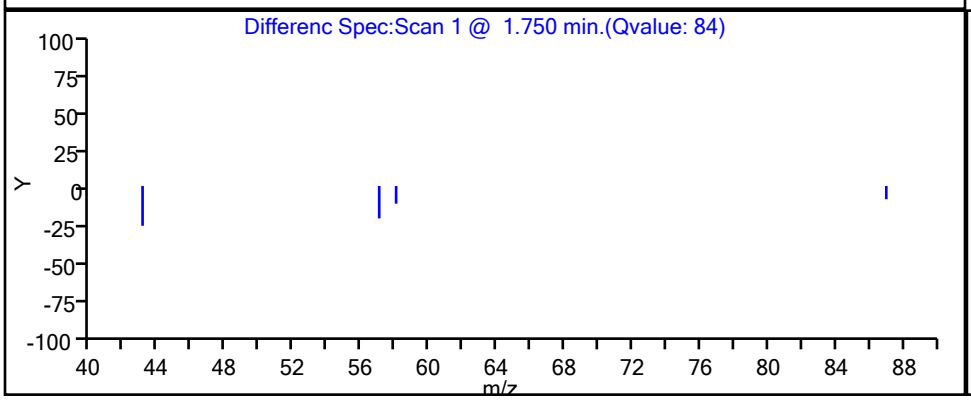


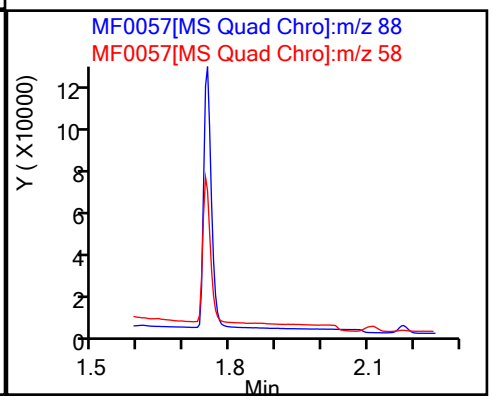










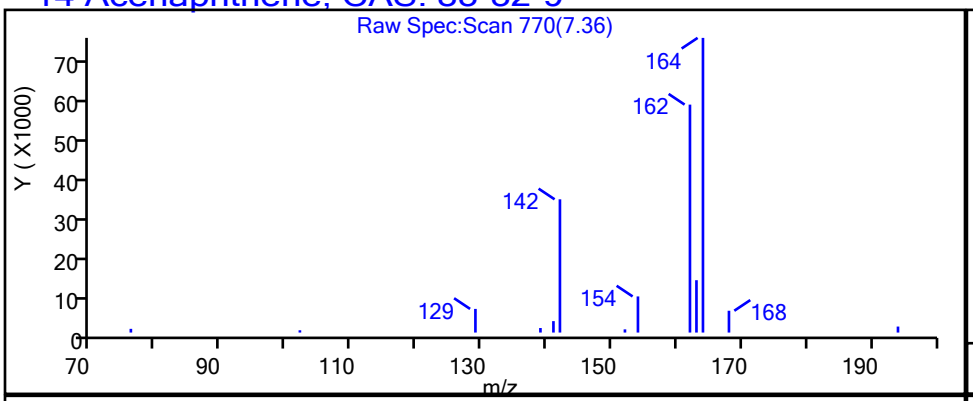


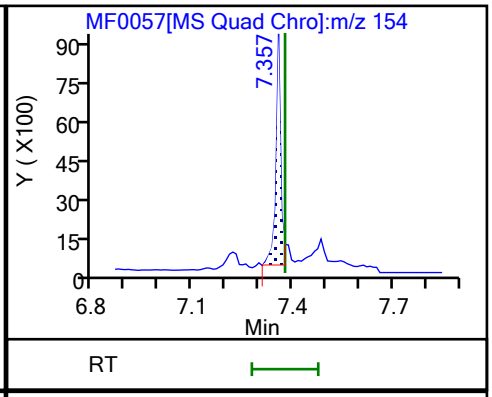
Report Date: 05-Jun-2023 05:02:54 Chrom Revision: 2.3 23-May-2023 13:55:56

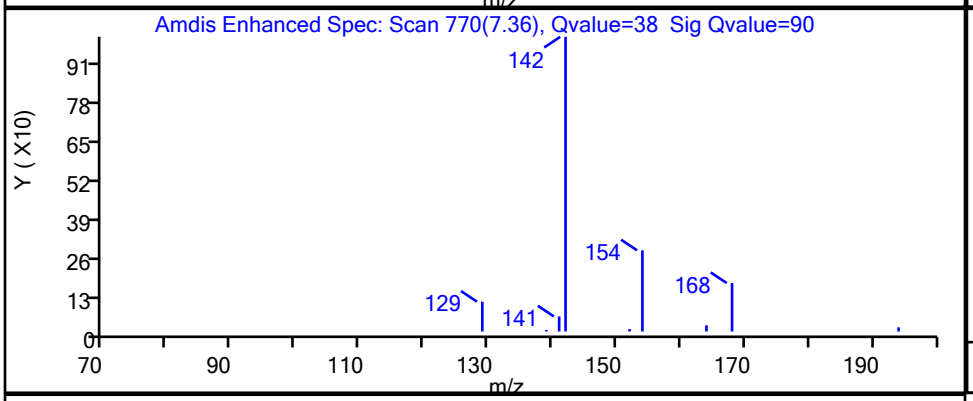
Eurofins Lancaster Laboratories Environment Testing, LLC

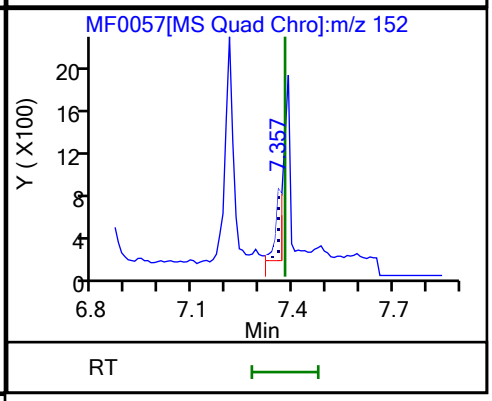
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D				
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 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		

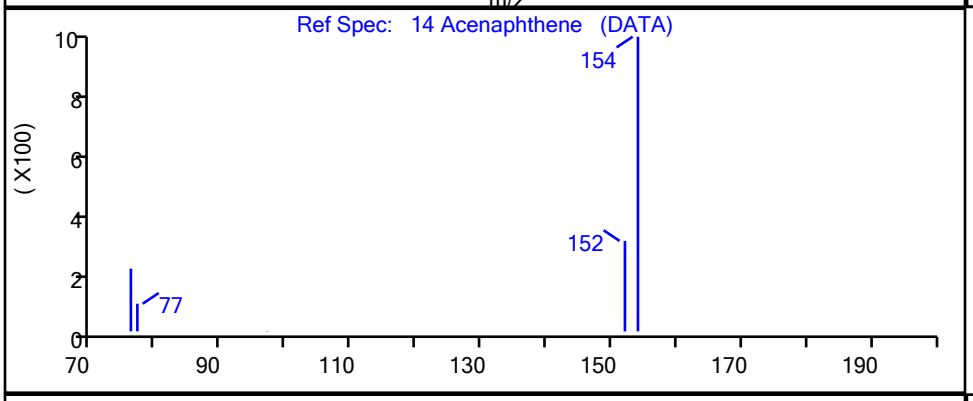
14 Acenaphthene, CAS: 83-32-9

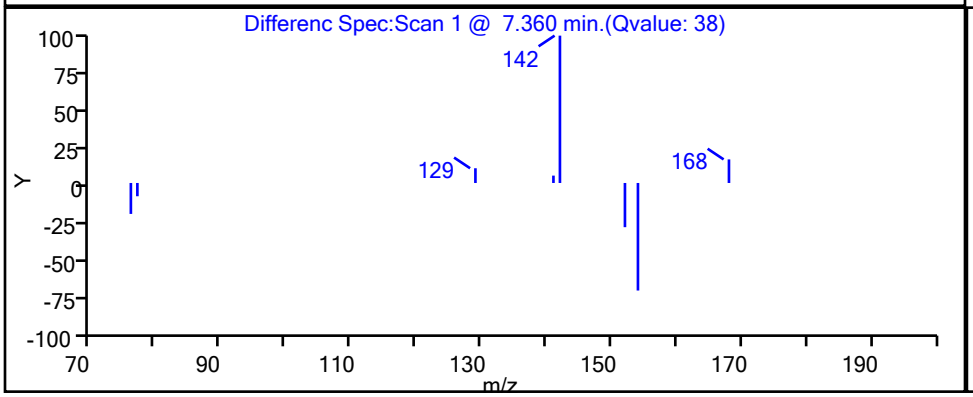


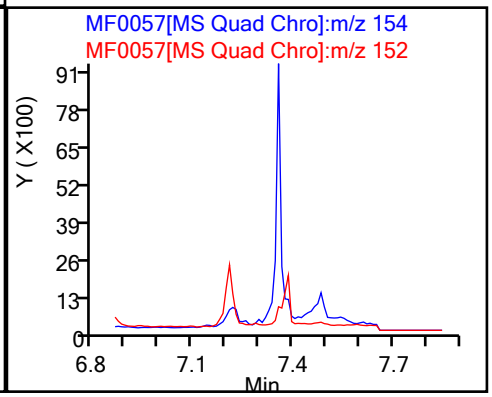












Report Date: 05-Jun-2023 05:02:54 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D

Injection Date: 02-Jun-2023 07:40:10 Instrument ID: HP21585

Lims ID: 410-127407-C-2-A RE Lab Sample ID: 410-127407-2

Client ID: Dup-01_052023

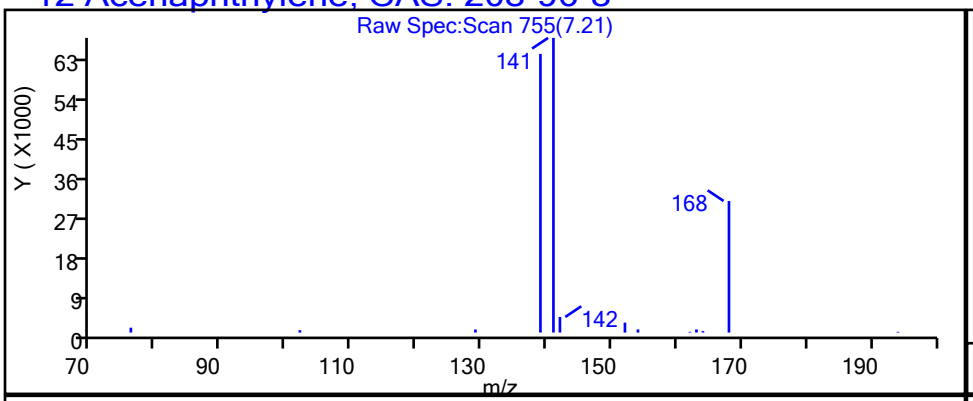
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 8

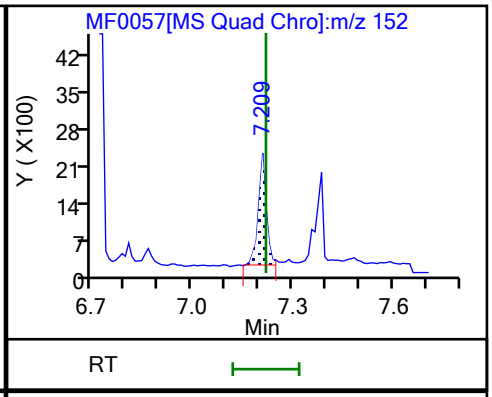
Injection Vol: 1.0 ul Dil. Factor: 1.0000

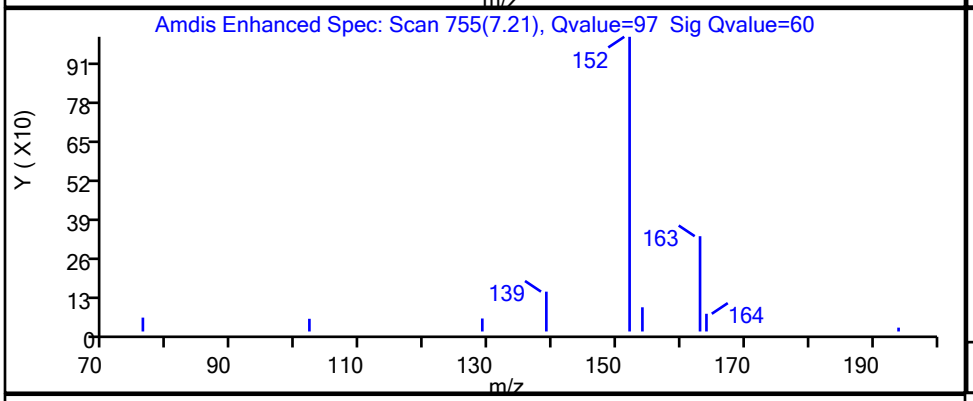
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

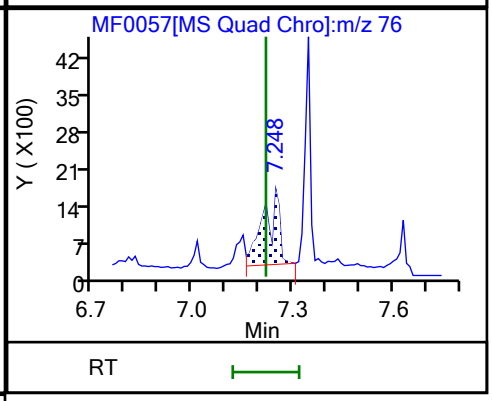
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

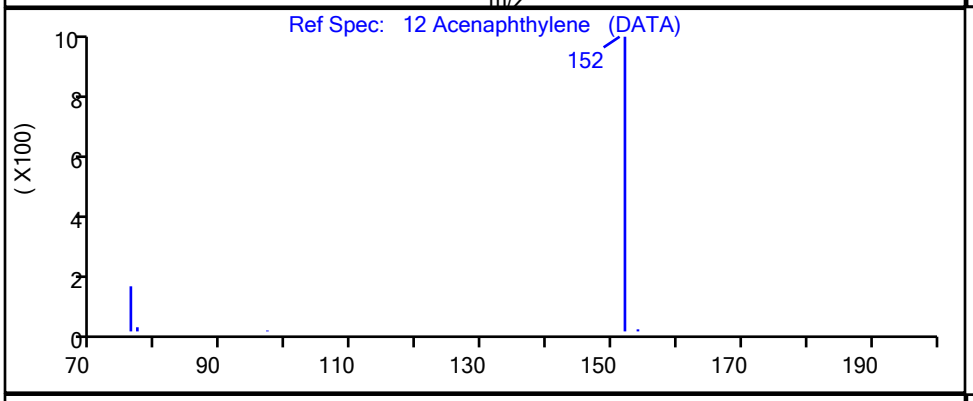
12 Acenaphthylene, CAS: 208-96-8

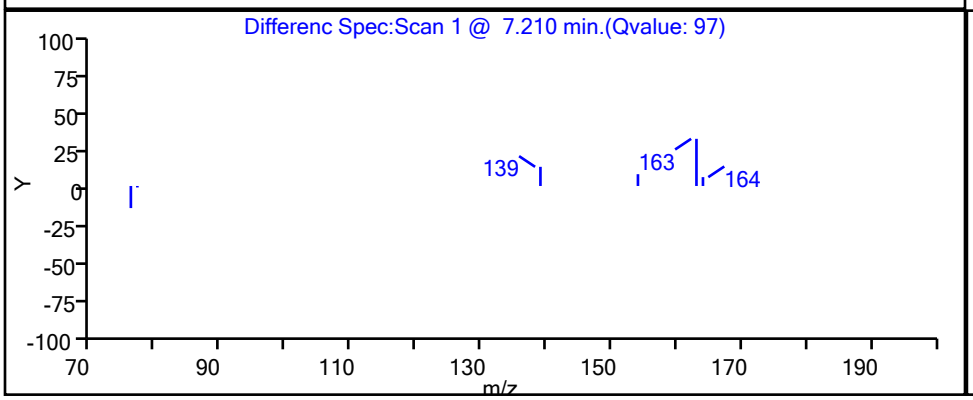


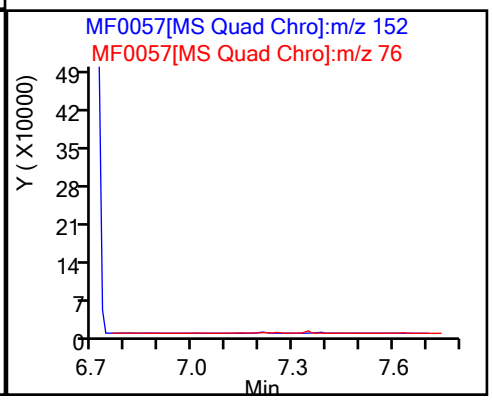












Report Date: 05-Jun-2023 05:02:54 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D

Injection Date: 02-Jun-2023 07:40:10 Instrument ID: HP21585

Lims ID: 410-127407-C-2-A RE Lab Sample ID: 410-127407-2

Client ID: Dup-01_052023

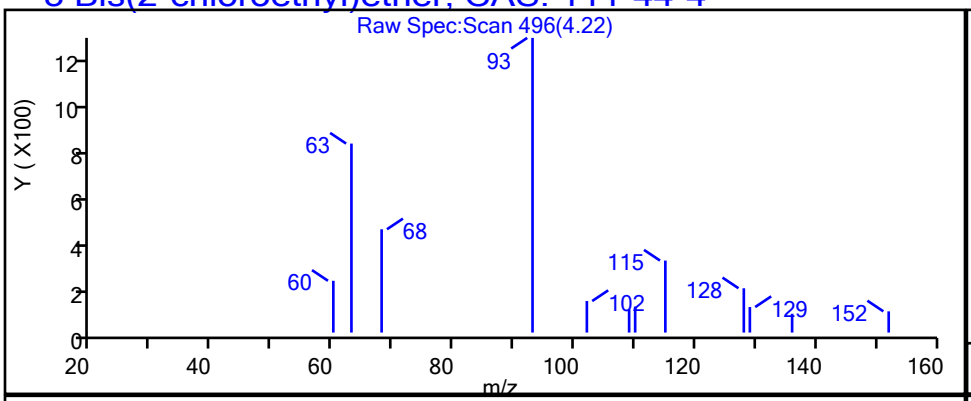
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 8

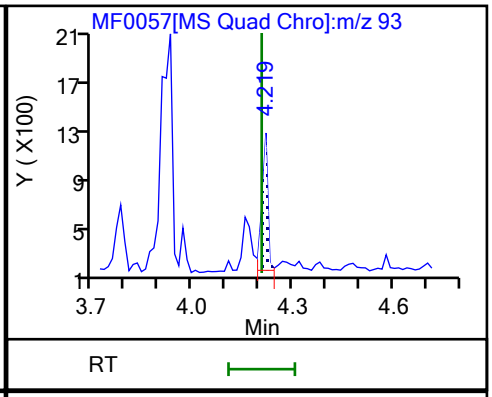
Injection Vol: 1.0 ul Dil. Factor: 1.0000

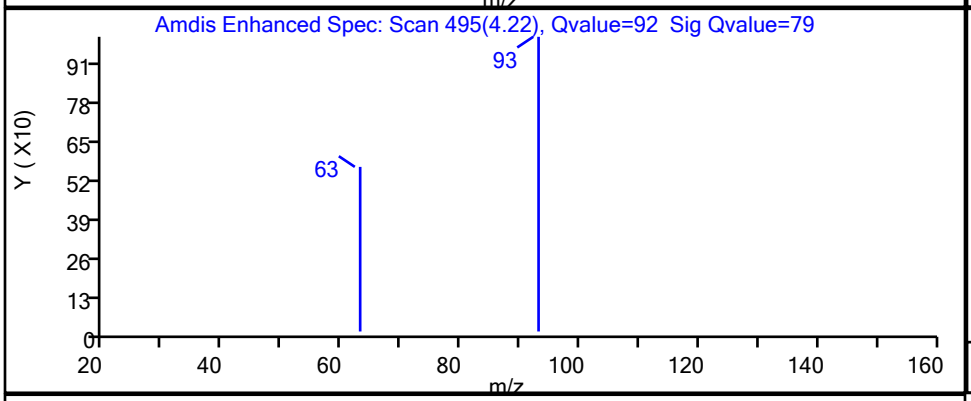
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

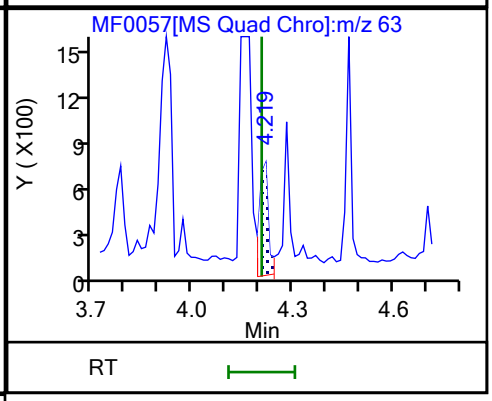
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

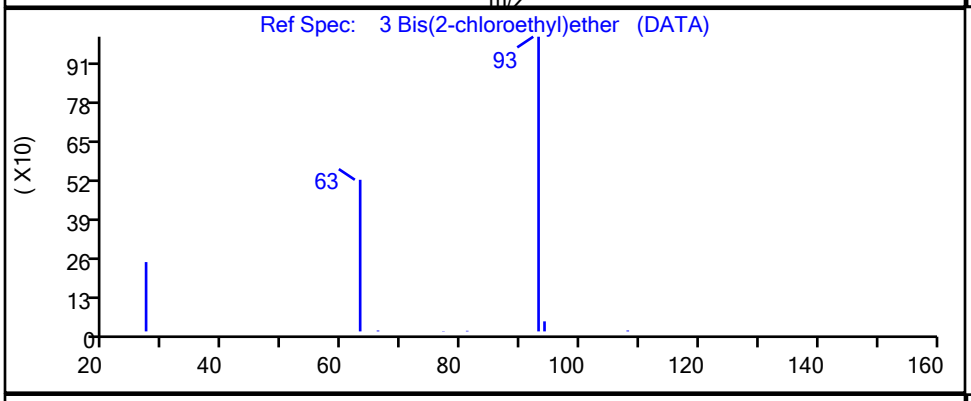
3 Bis(2-chloroethyl)ether, CAS: 111-44-4

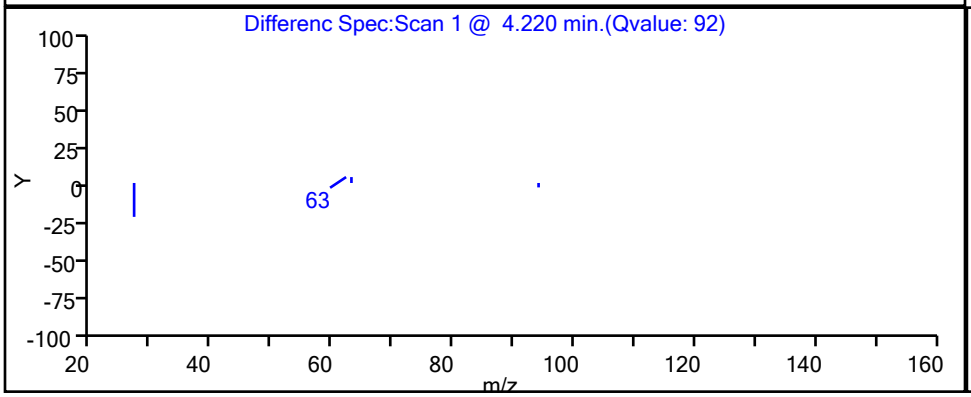


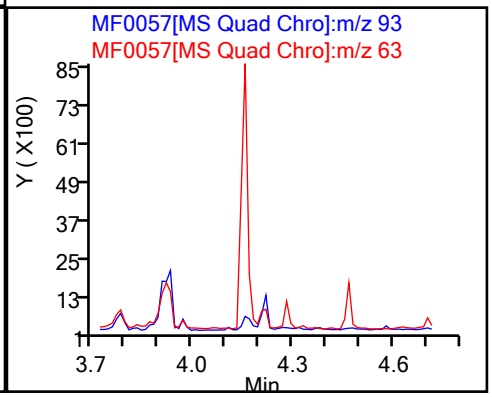










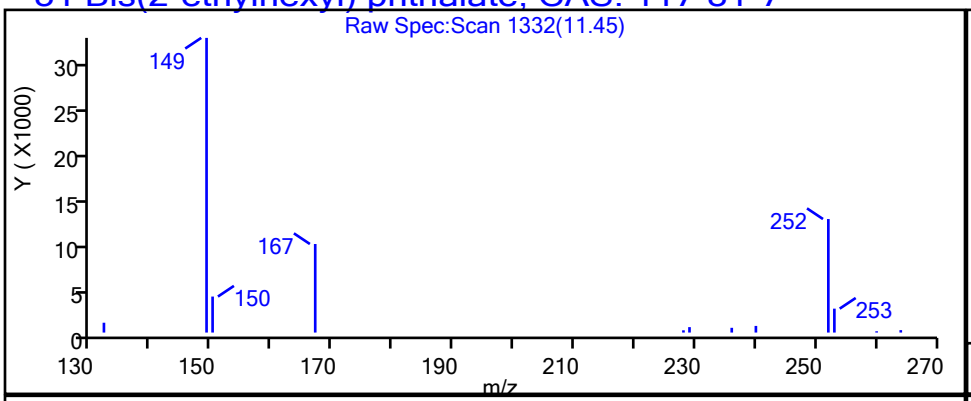


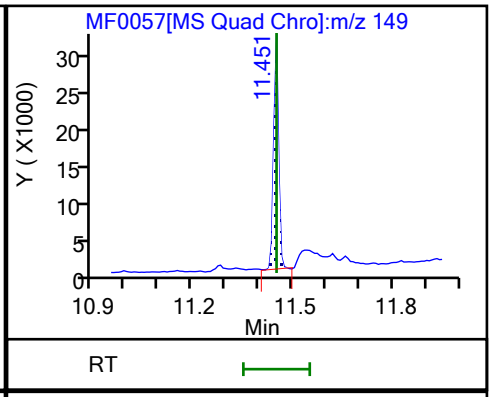
Report Date: 05-Jun-2023 05:02:54 Chrom Revision: 2.3 23-May-2023 13:55:56

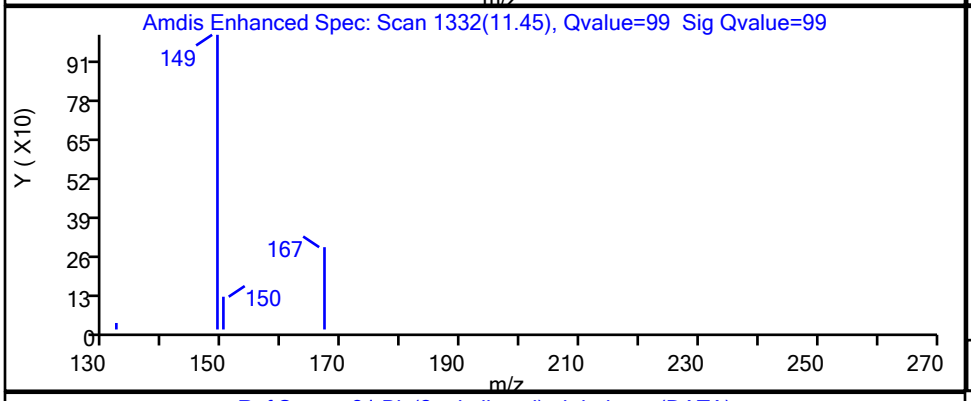
Eurofins Lancaster Laboratories Environment Testing, LLC

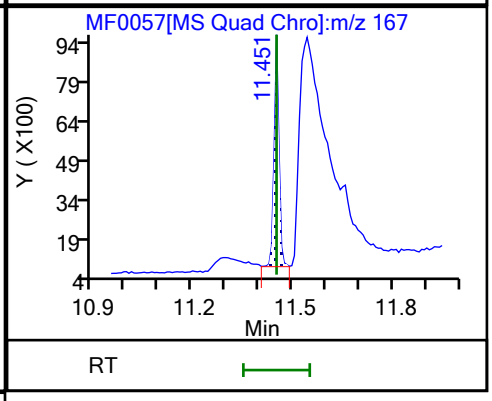
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D				
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 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		

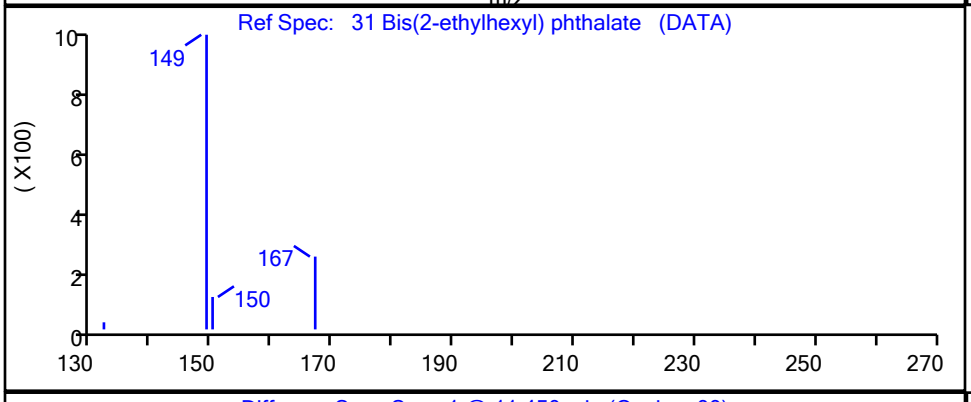
31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

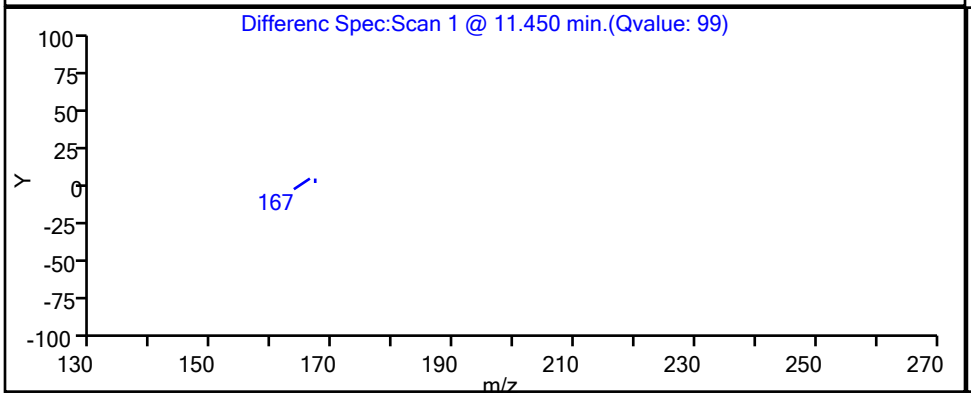


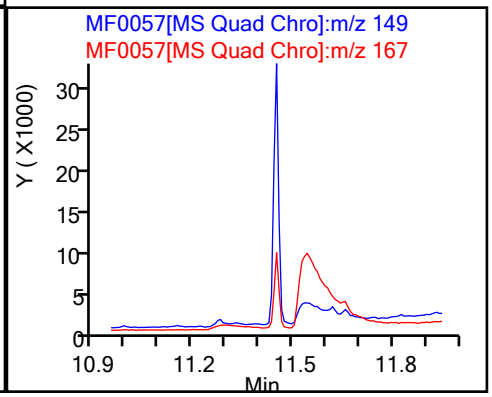










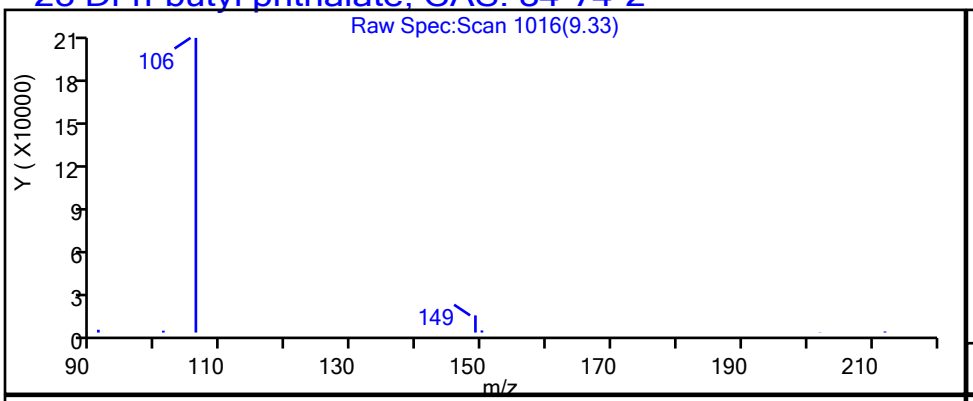


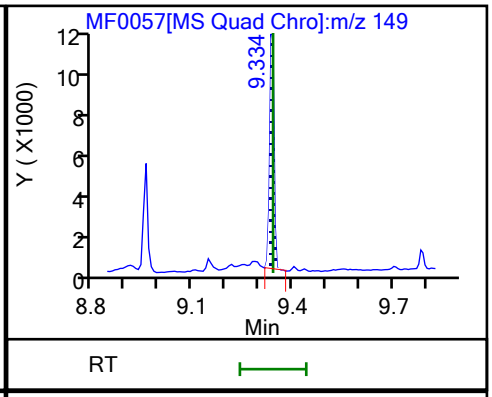
Report Date: 05-Jun-2023 05:02:54 Chrom Revision: 2.3 23-May-2023 13:55:56

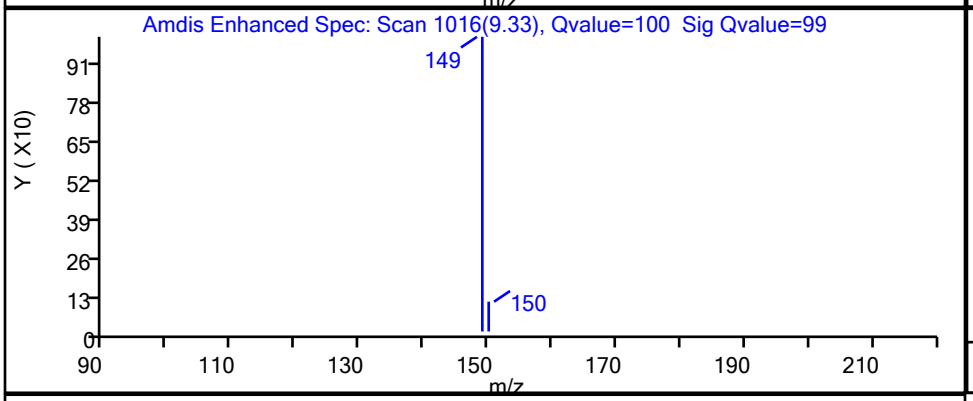
Eurofins Lancaster Laboratories Environment Testing, LLC

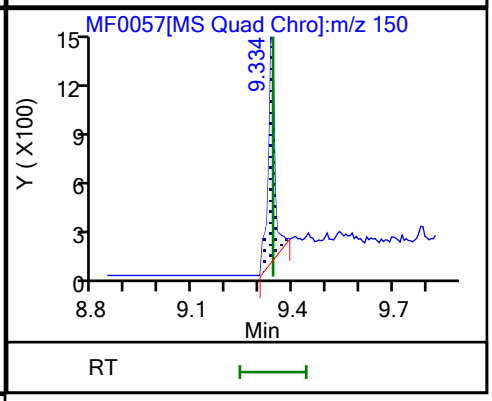
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D				
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 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		

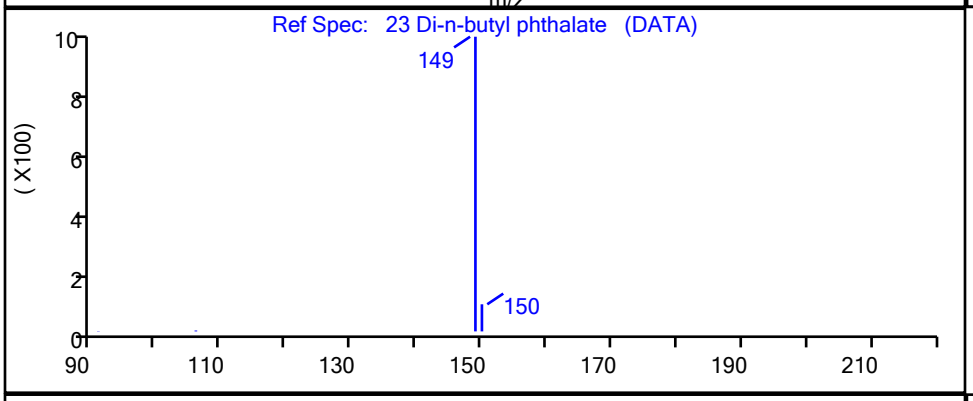
23 Di-n-butyl phthalate, CAS: 84-74-2

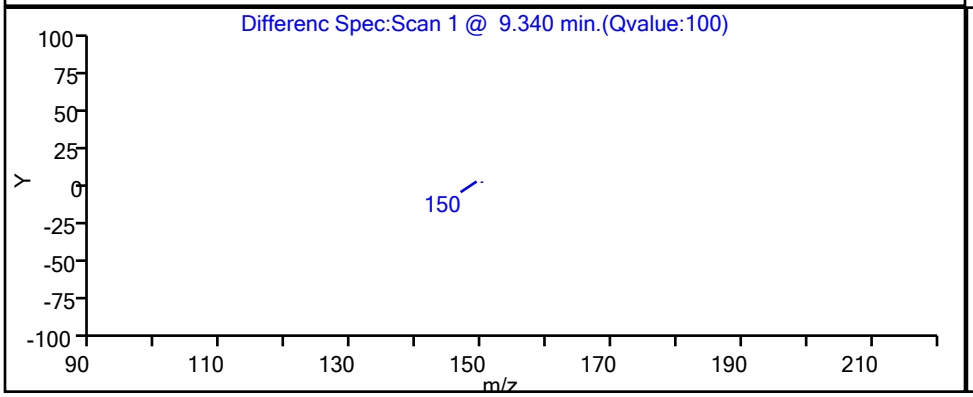


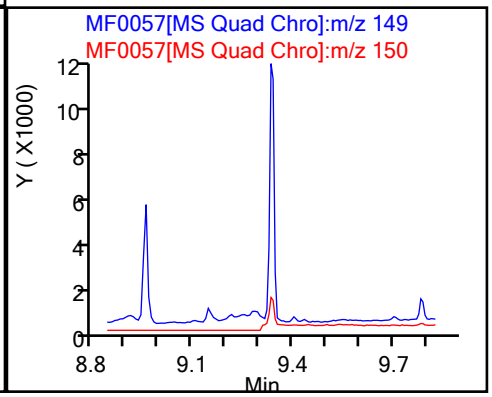












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

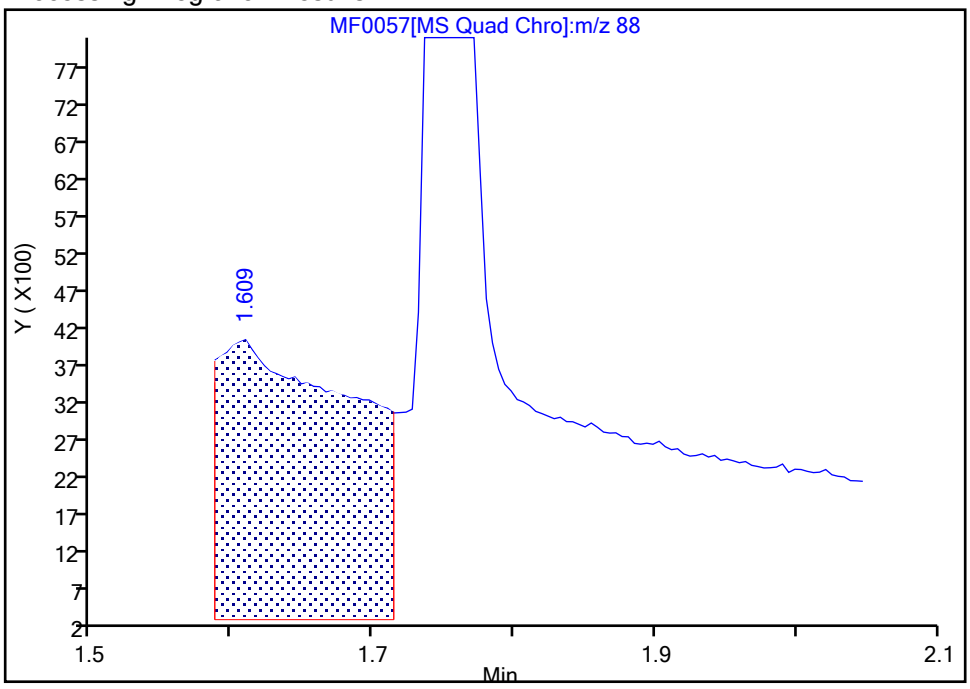
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D				
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

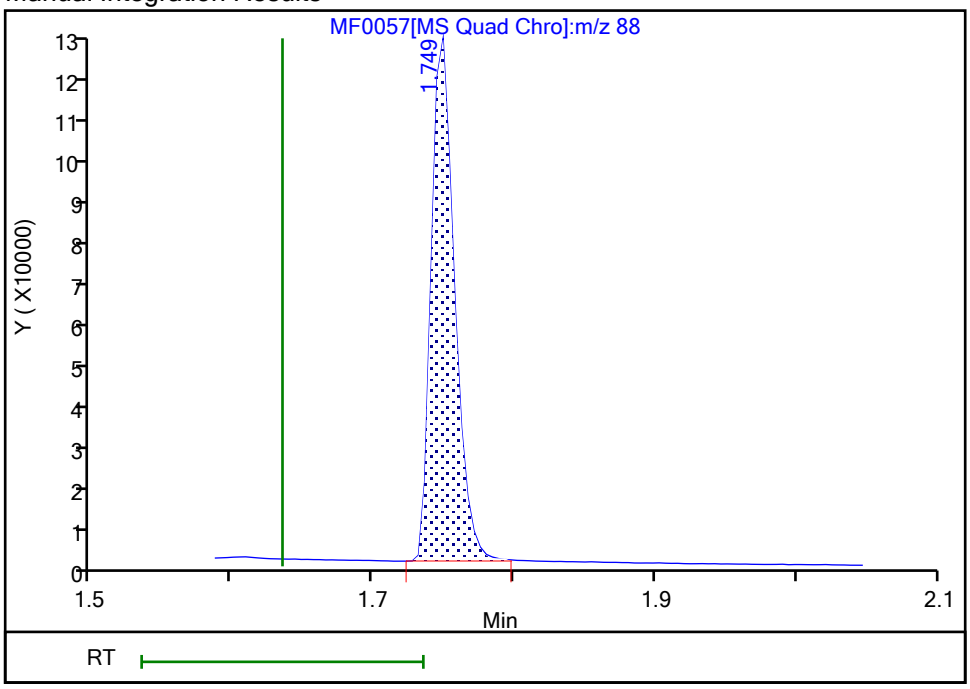
Processing Integration Results

RT: 1.61
Area: 24504
Amount: 0.233994
Amount Units: ug/ml



Manual Integration Results

RT: 1.75
Area: 135781
Amount: 1.296601
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 08:03:04 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

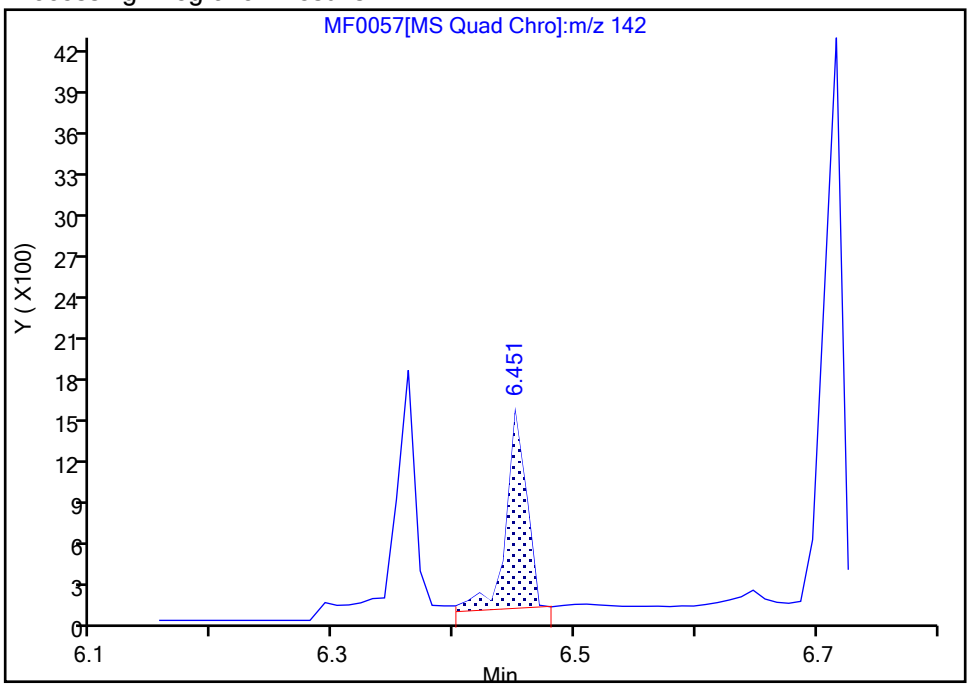
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D				
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 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		

10 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

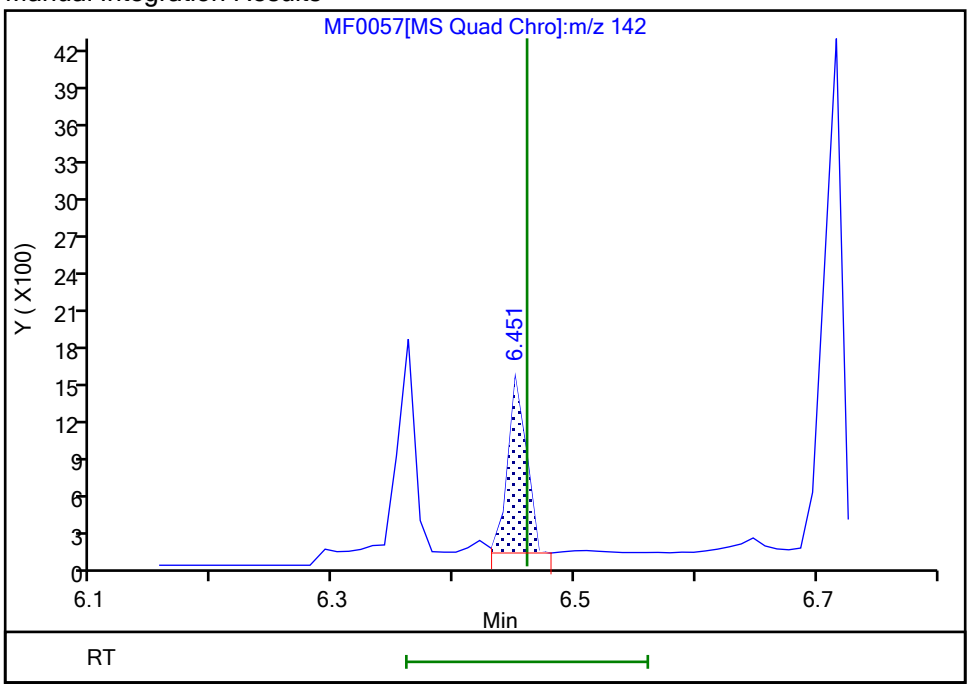
Processing Integration Results

RT: 6.45
Area: 1693
Amount: 0.003767
Amount Units: ug/ml



Manual Integration Results

RT: 6.45
Area: 1527
Amount: 0.003398
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 08:03:54 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

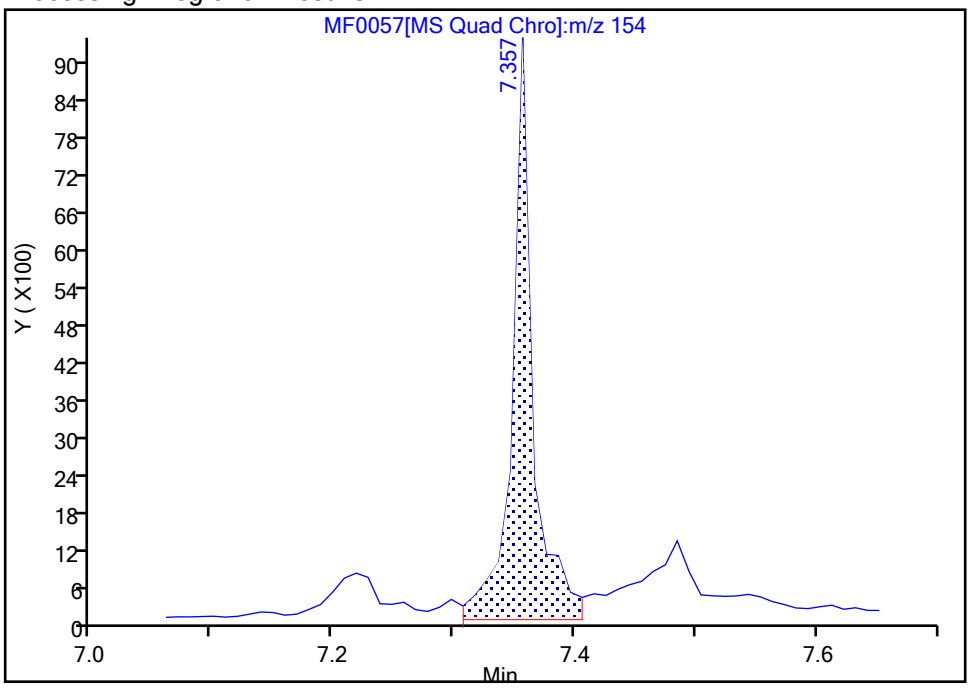
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D				
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 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		

14 Acenaphthene, CAS: 83-32-9

Signal: 1

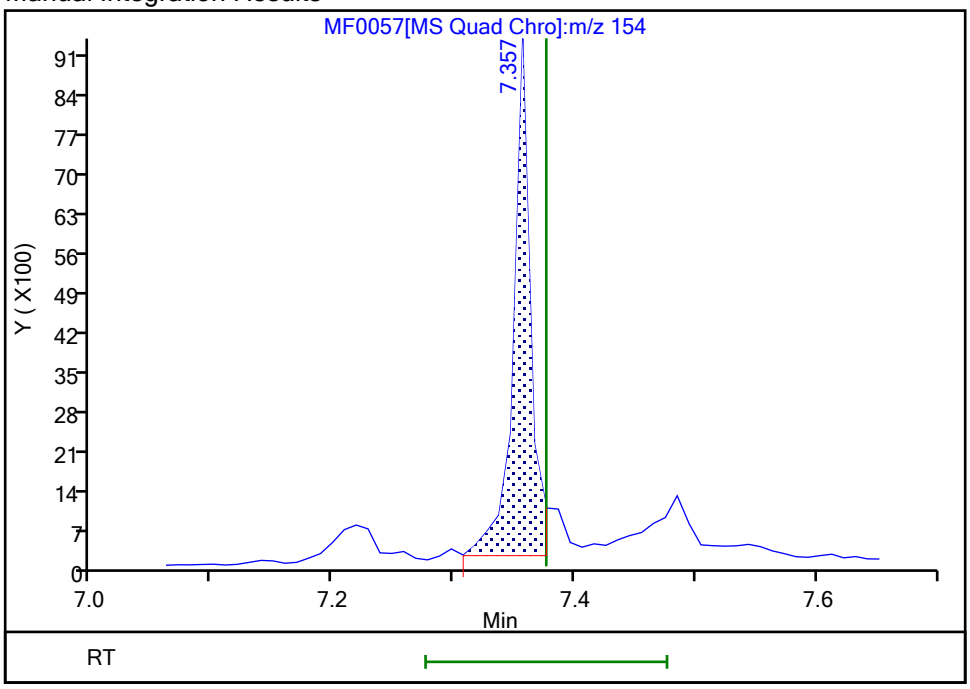
Processing Integration Results

RT: 7.36
Area: 10943
Amount: 0.022852
Amount Units: ug/ml



Manual Integration Results

RT: 7.36
Area: 8884
Amount: 0.018552
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 08:04:20 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

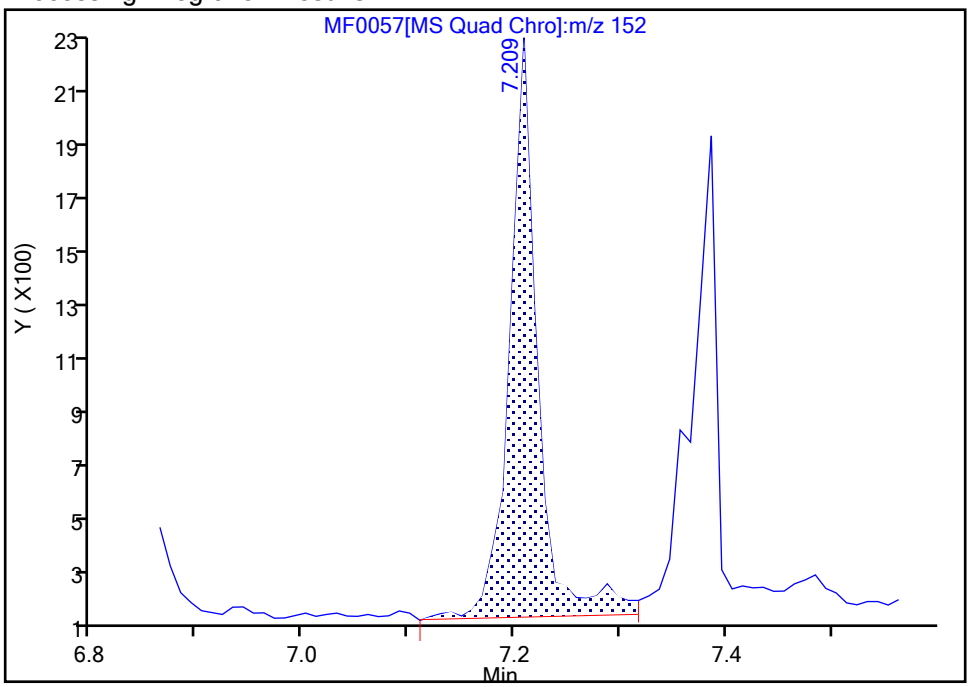
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D				
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

12 Acenaphthylene, CAS: 208-96-8

Signal: 1

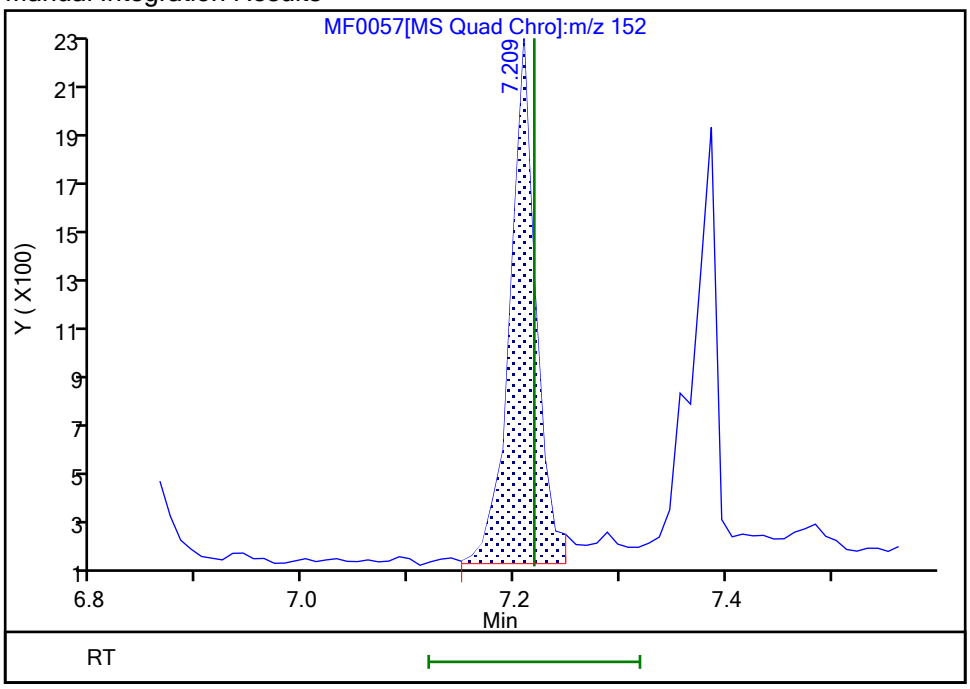
Processing Integration Results

RT: 7.21
Area: 3960
Amount: 0.005359
Amount Units: ug/ml



Manual Integration Results

RT: 7.21
Area: 3636
Amount: 0.004920
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 08:04:08 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

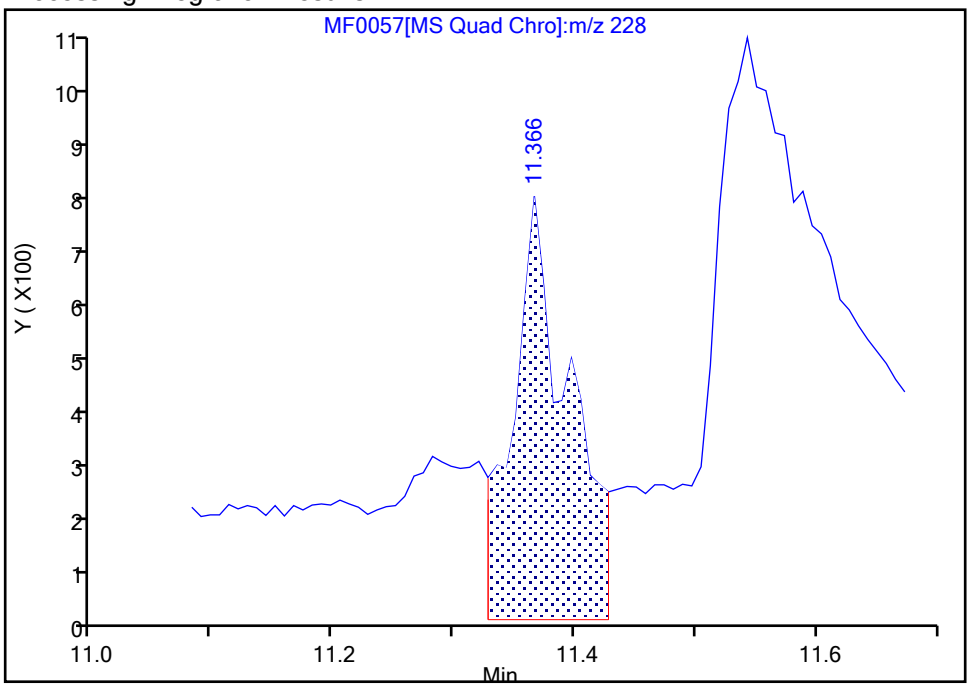
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D				
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 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		

28 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

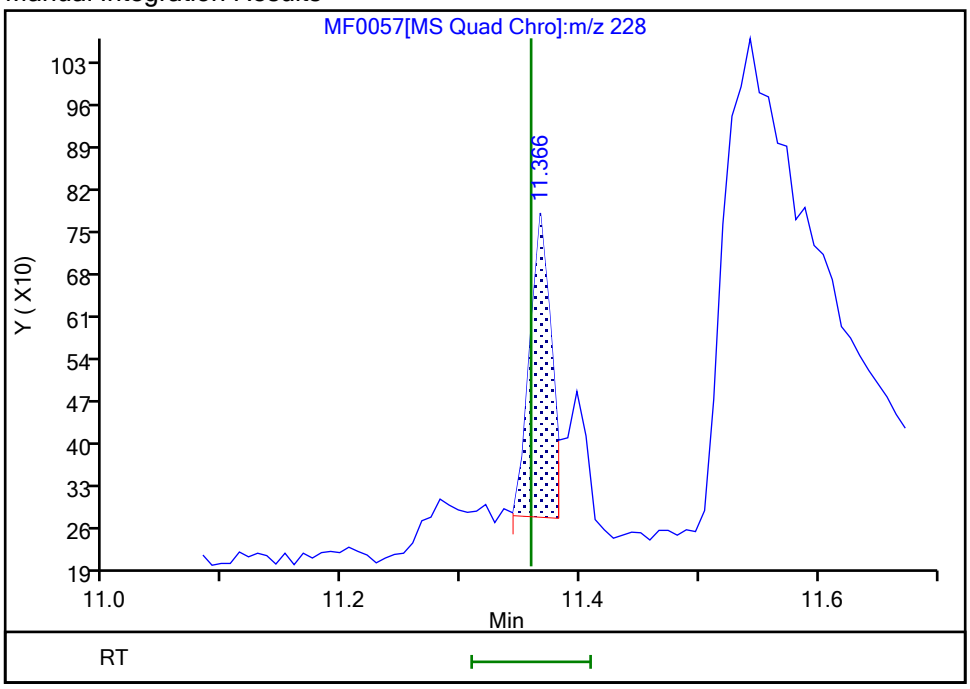
Processing Integration Results

RT: 11.37
Area: 2466
Amount: 0.002516
Amount Units: ug/ml



Manual Integration Results

RT: 11.37
Area: 615
Amount: 0.000627
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 08:04:43 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

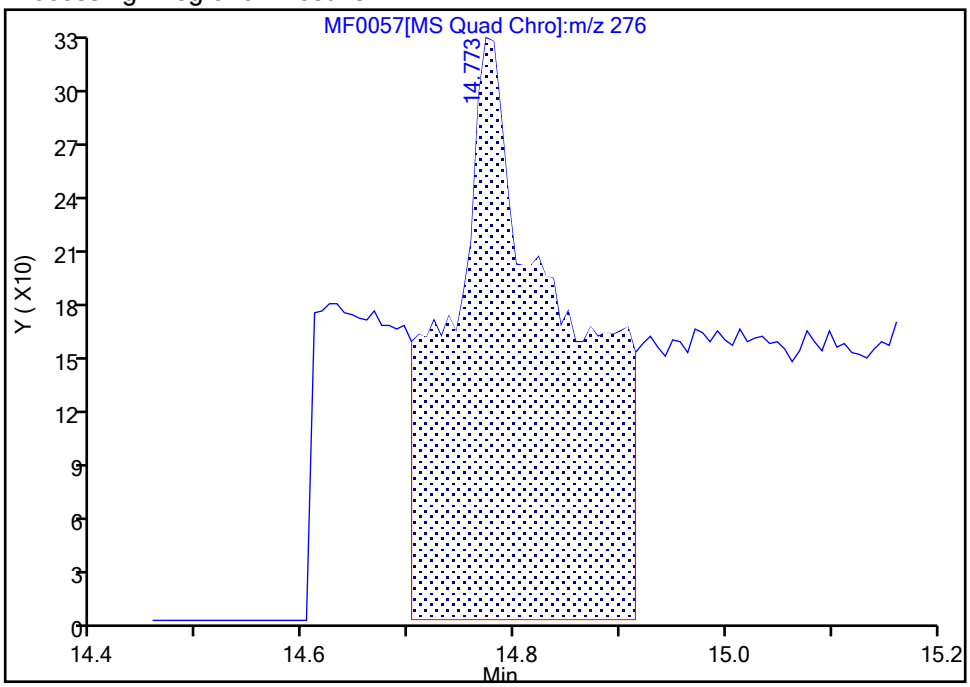
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D				
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 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

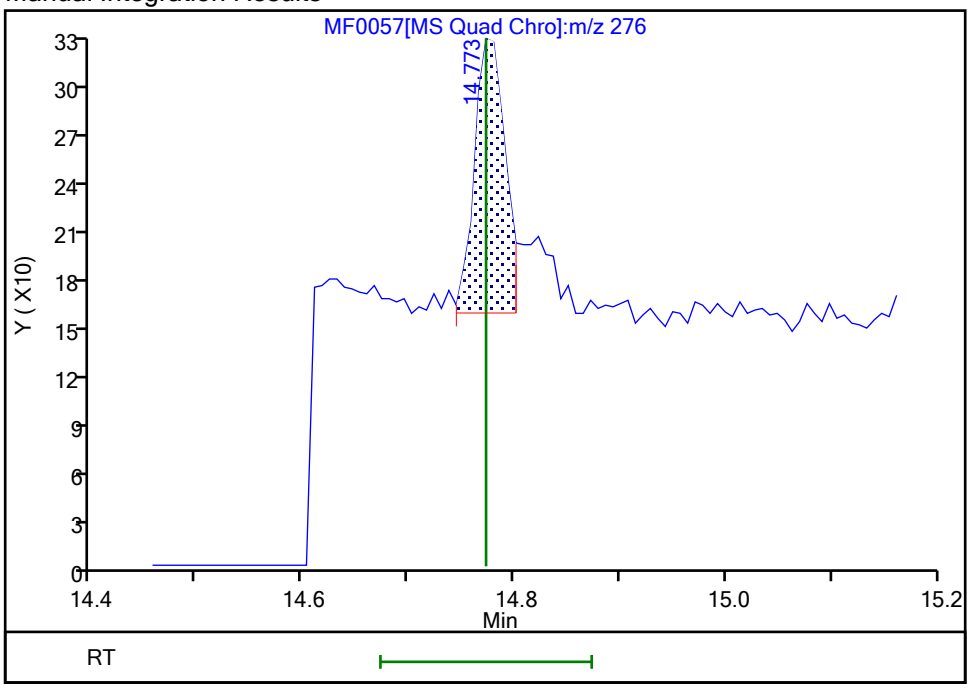
Processing Integration Results

RT: 14.77
Area: 2424
Amount: 0.002766
Amount Units: ug/ml



Manual Integration Results

RT: 14.77
Area: 328
Amount: 0.000374
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 08:05:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

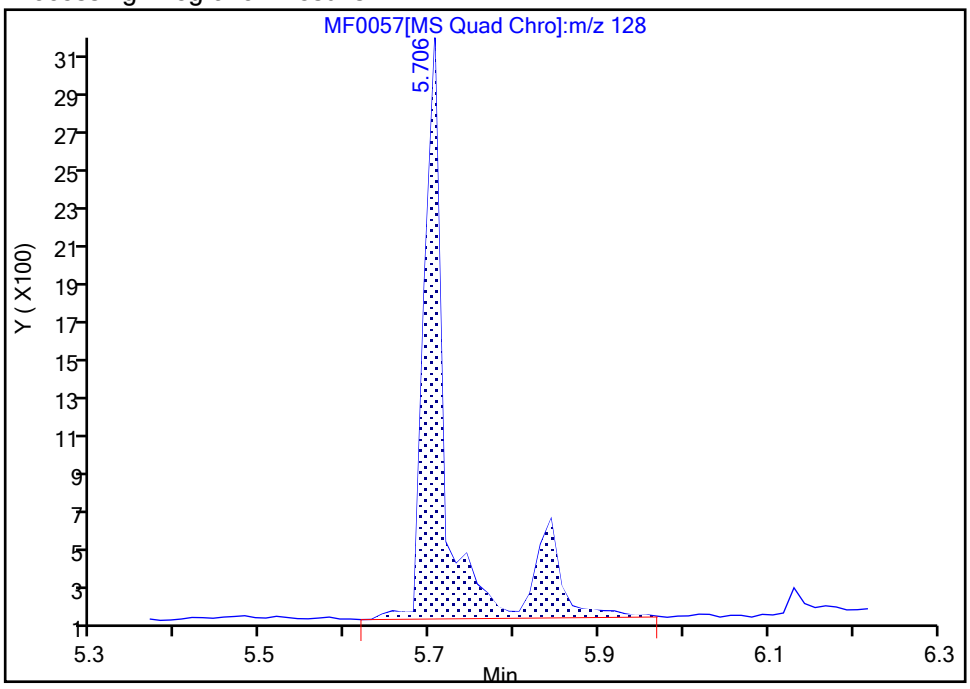
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D				
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 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		

6 Naphthalene, CAS: 91-20-3

Signal: 1

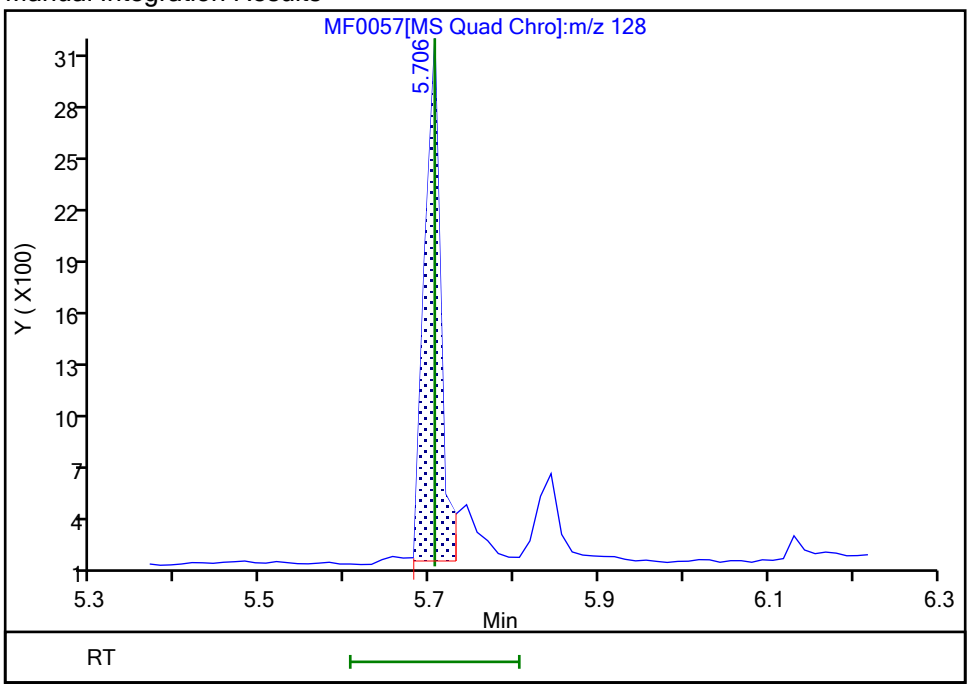
Processing Integration Results

RT: 5.71
Area: 5767
Amount: 0.008021
Amount Units: ug/ml



Manual Integration Results

RT: 5.71
Area: 3902
Amount: 0.005427
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 08:03:21 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

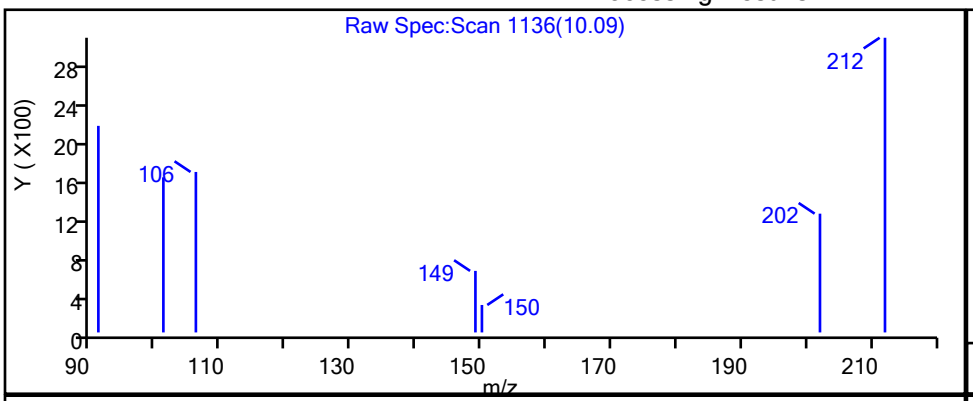
User Disabled Compound Report

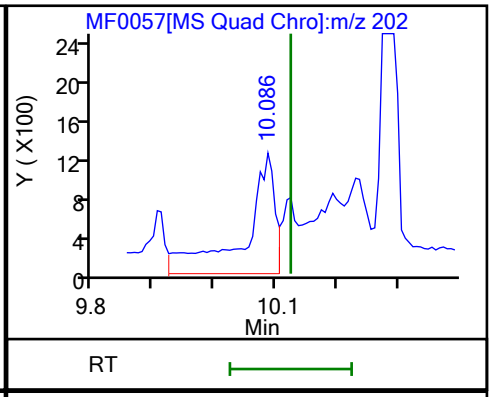
Eurofins Lancaster Laboratories Environment Testing, LLC

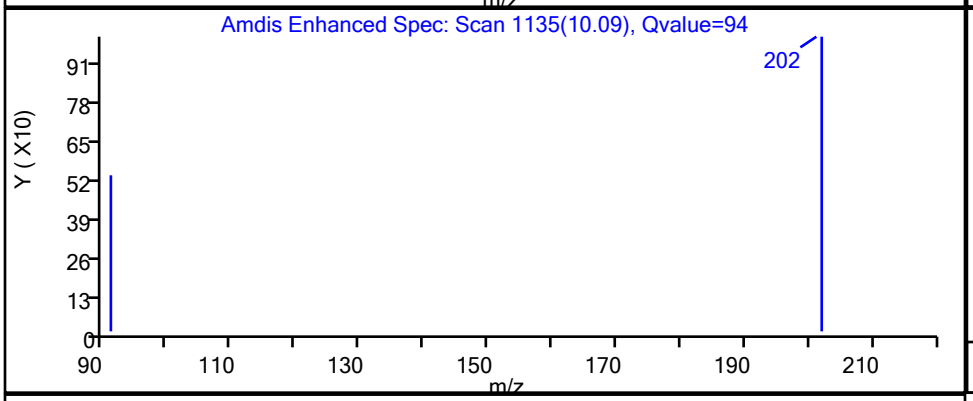
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0057.D				
Injection Date:	02-Jun-2023 07:40:10	Instrument ID:	HP21585		
Lims ID:	410-127407-C-2-A RE	Lab Sample ID:	410-127407-2		
Client ID:	Dup-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 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		

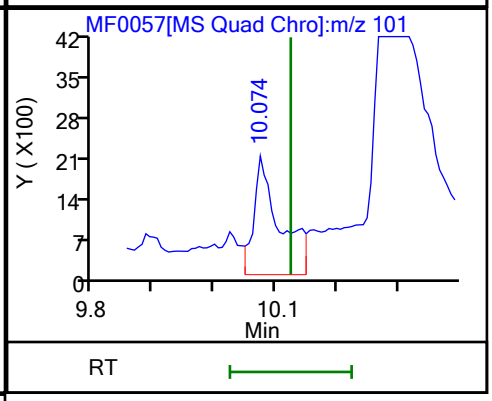
26 Pyrene, CAS: 129-00-0

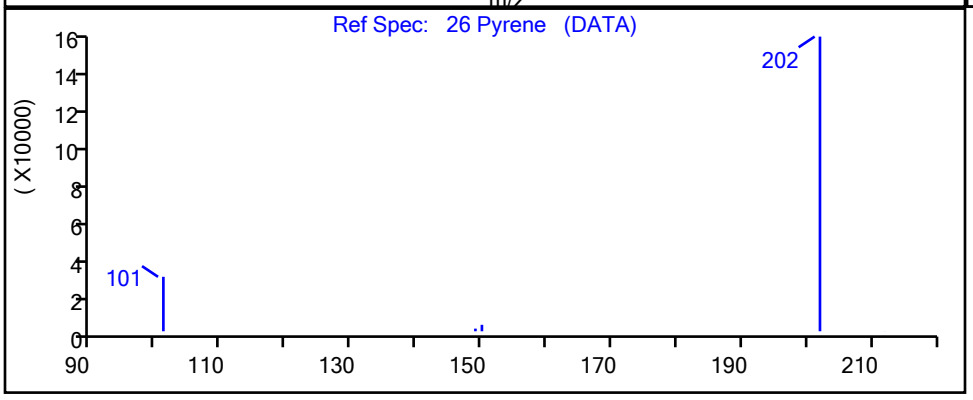
Processing Results











RT	Mass	Response	Amount
10.09	202.00	4060	0.003377
10.07	101.00	6088	

Reviewer: UJM0, 02-Jun-2023 08:04:32 -04:00:00 (UTC)

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.: 410-127407-1

SDG No.:

Client Sample ID: FBW001_052023
Lab Sample ID: 410-127407-3

Matrix: Water
Lab File ID: NE0559.D

Analysis Method: 8270D SIM
Date Collected: 05/18/2023 10:43

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 245.8(mL)
Date Analyzed: 05/26/2023 07:50

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.: 380221
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.31	0.10
90-12-0	1-Methylnaphthalene	ND		0.051	0.020
91-57-6	2-Methylnaphthalene	ND	F2	0.051	0.020
83-32-9	Acenaphthene	ND	F2	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	F2	0.051	0.010
111-44-4	Bis(2-chloroethyl)ether	ND		0.051	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	ND	F2 cn	1.0	0.051
85-68-7	Butylbenzylphthalate	ND	cn	1.0	0.051
218-01-9	Chrysene	ND		0.051	0.010
53-70-3	Dibenz(a,h)anthracene	ND		0.051	0.020
132-64-9	Dibenzofuran	ND		0.051	0.010
84-66-2	Diethylphthalate	ND		1.0	0.051
131-11-3	Dimethylphthalate	ND	*1	1.0	0.051
84-74-2	Di-n-butyl phthalate	ND		1.0	0.051
117-84-0	Di-n-octyl phthalate	ND	cn	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	0.031
62-75-9	N-Nitrosodimethylamine	ND	cn	0.051	0.020
85-01-8	Phenanthrene	ND		0.071	0.031
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.: 410-127407-1

SDG No.:

Client Sample ID: FBW001_052023 Lab Sample ID: 410-127407-3

Matrix: Water Lab File ID: NE0559.D

Analysis Method: 8270D SIM Date Collected: 05/18/2023 10:43

Extract. Method: 3510C Date Extracted: 05/25/2023 15:27

Sample wt/vol: 245.8(mL) Date Analyzed: 05/26/2023 07:50

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.: 380221 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	38		33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	56		17-120
93951-69-0	Fluoranthene-d10 (Surr)	53		43-124

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0559.D
Lims ID: 410-127407-A-3-C
Client ID: FBW001_052023
Sample Type: Client
Inject. Date: 26-May-2023 07:50:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-3-C
Misc. Info.: 410-0085101-010
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:29:45 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: CTX1644

First Level Reviewer: UJM0 Date: 26-May-2023 08:13:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	99	40001	0.2500	
* 5 Naphthalene-d8	136	5.744	5.744	0.000	100	141856	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.479	6.477	0.002	100	23409	0.0948	
* 13 Acenaphthene-d10	164	7.411	7.408	0.002	99	57302	0.2500	
* 20 Phenanthrene-d10	188	8.822	8.814	0.008	100	83422	0.2500	
23 Di-n-butyl phthalate	149	9.382	9.378	-0.002	100	3039	0.009365	M
$ 24 Fluoranthene-d10 (Surr)	212	9.953	9.948	0.005	98	35784	0.1327	
* 29 Chrysene-d12	240	11.472	11.465	0.007	81	48774	0.2500	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.297	13.291	0.006	99	19843	0.1401	
* 38 Perylene-d12	264	13.412	13.413	-0.001	98	42202	0.2500	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00036 Amount Added: 10.00 Units: uL Run Reagent

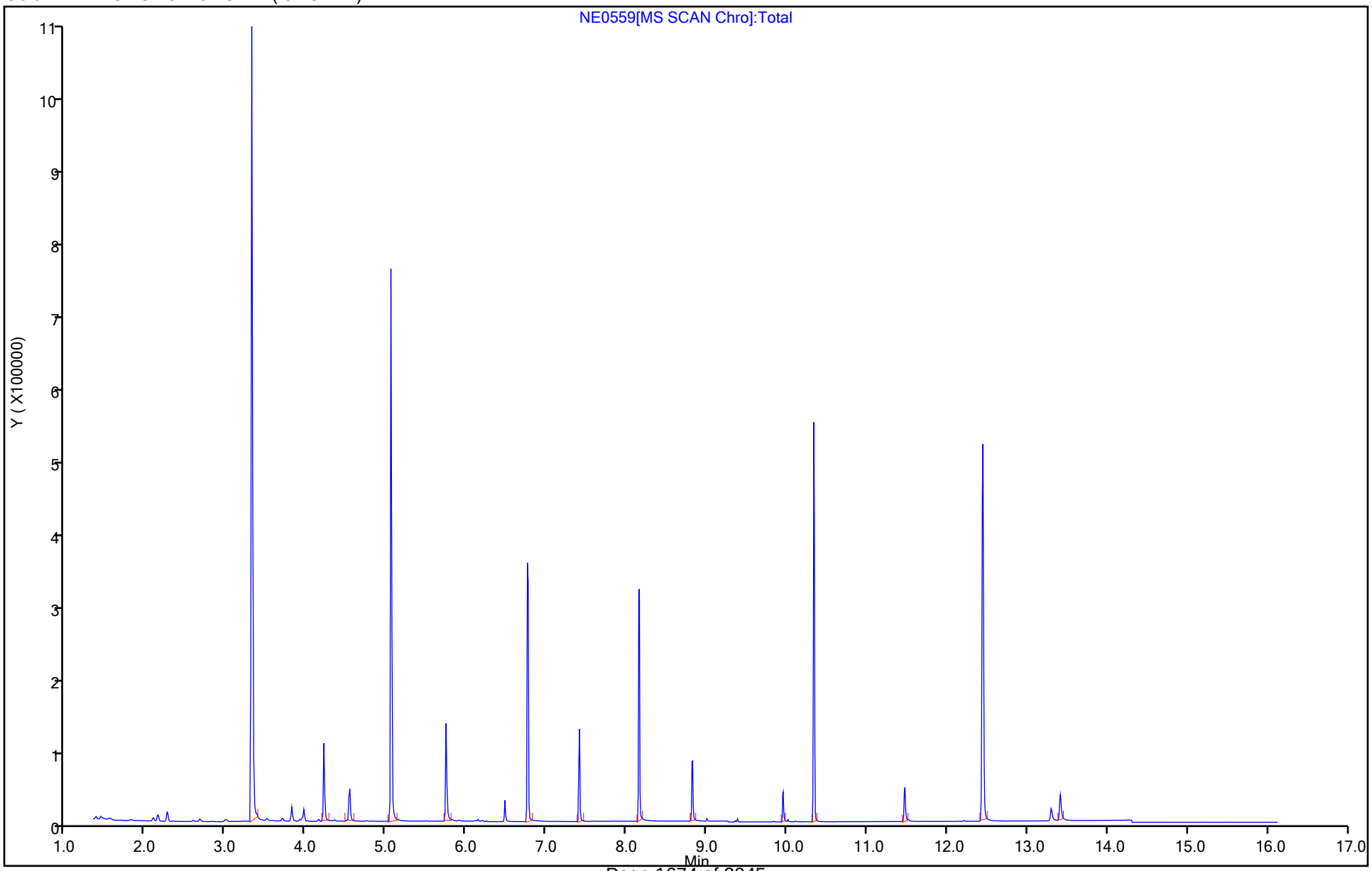
Report Date: 26-May-2023 20:30:12 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0559.D

Injection Date:	26-May-2023 07:50:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-127407-A-3-C	Lab Sample ID:	410-127407-3	Worklist Smp#:	10
Client ID:	FBW001_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Report Date: 26-May-2023 20:30:12 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0559.D
Lims ID: 410-127407-A-3-C
Client ID: FBW001_052023
Sample Type: Client
Inject. Date: 26-May-2023 07:50:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-3-C
Misc. Info.: 410-0085101-010
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:29:45 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: CTX1644

First Level Reviewer: UJM0 Date: 26-May-2023 08:13:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.0948	37.93
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1327	53.09
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1401	56.06

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

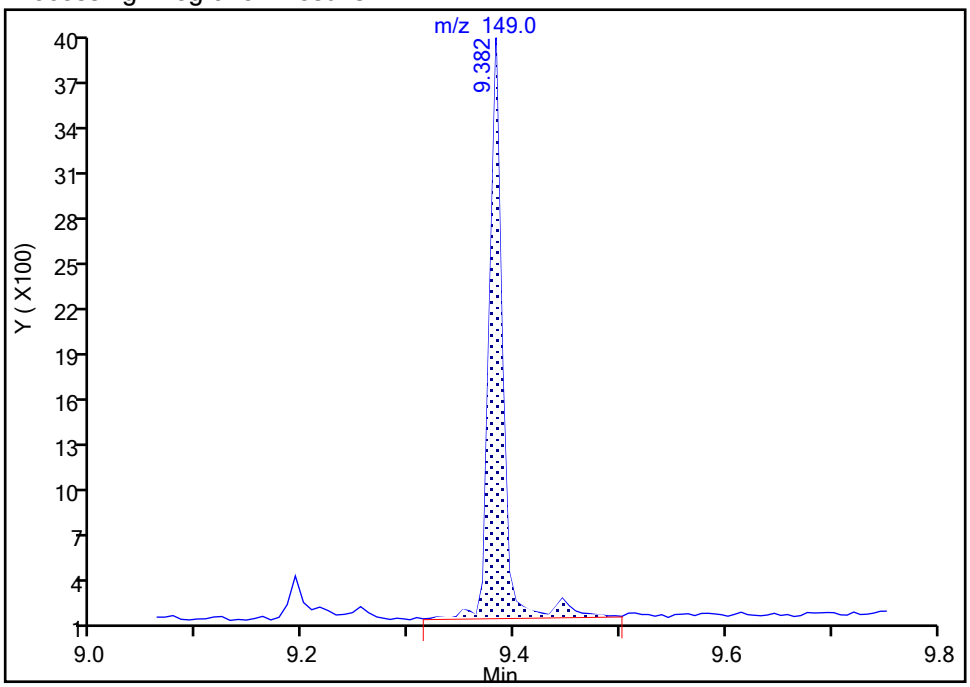
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0559.D				
Injection Date:	26-May-2023 07:50:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-3-C	Lab Sample ID:	410-127407-3		
Client ID:	FBW001_052023				
Operator ID:	jmg00346	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

23 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

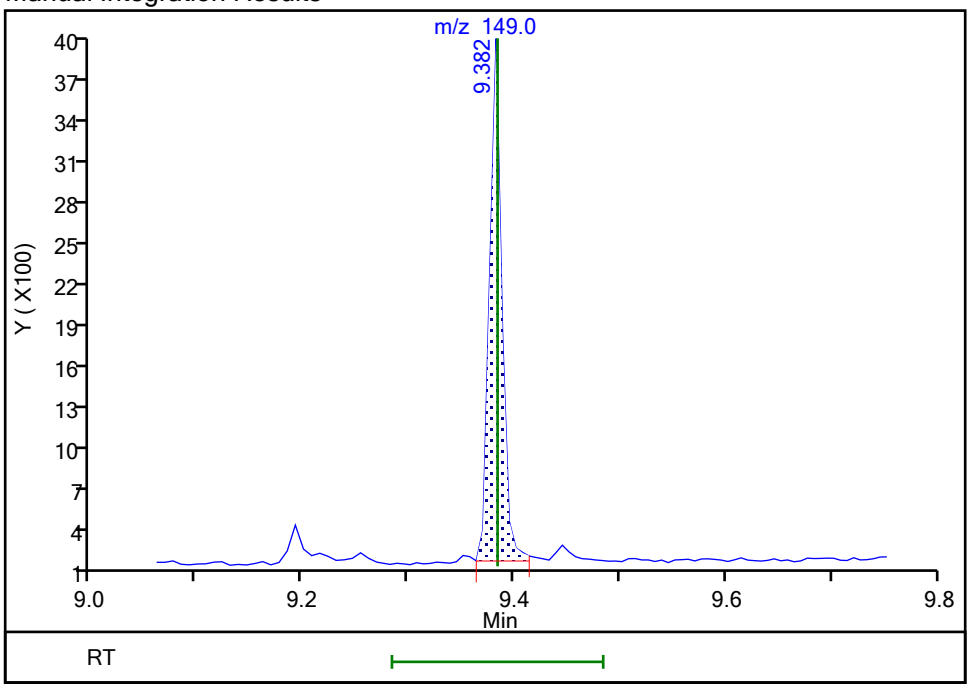
Processing Integration Results

RT: 9.38
Area: 3306
Amount: 0.010188
Amount Units: ug/ml



Manual Integration Results

RT: 9.38
Area: 3039
Amount: 0.009365
Amount Units: ug/ml



Reviewer: UJM0, 26-May-2023 08:12:48 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

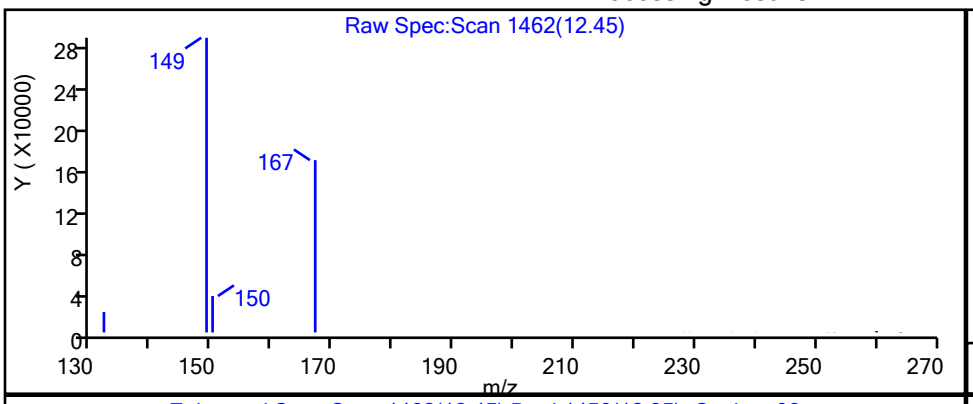
User Disabled Compound Report

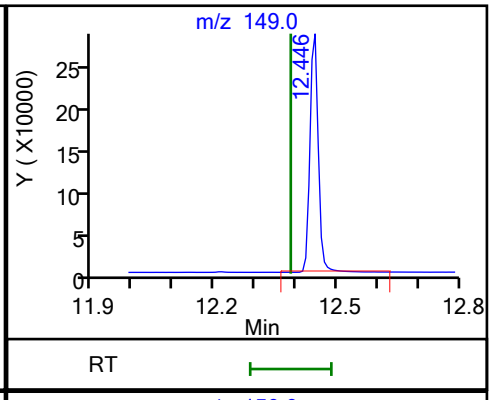
Eurofins Lancaster Laboratories Environment Testing, LLC

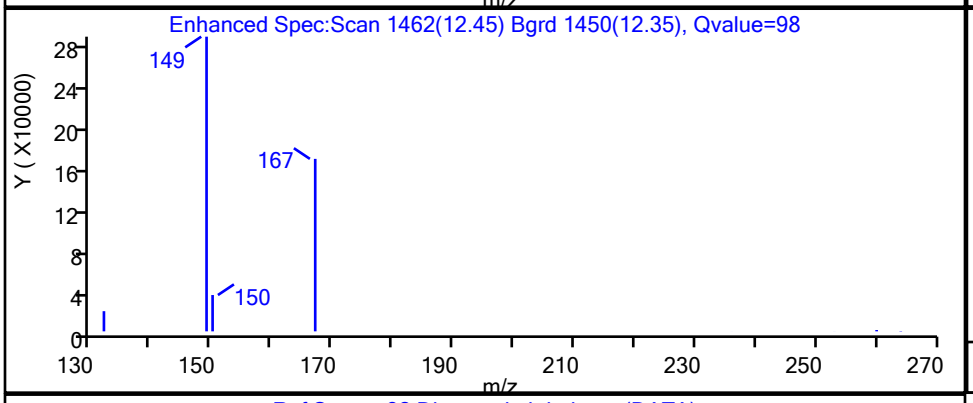
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0559.D				
Injection Date:	26-May-2023 07:50:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-3-C	Lab Sample ID:	410-127407-3		
Client ID:	FBW001_052023				
Operator ID:	jmg00346	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

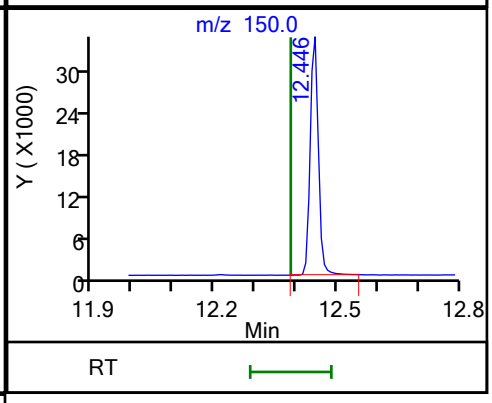
32 Di-n-octyl phthalate, CAS: 117-84-0

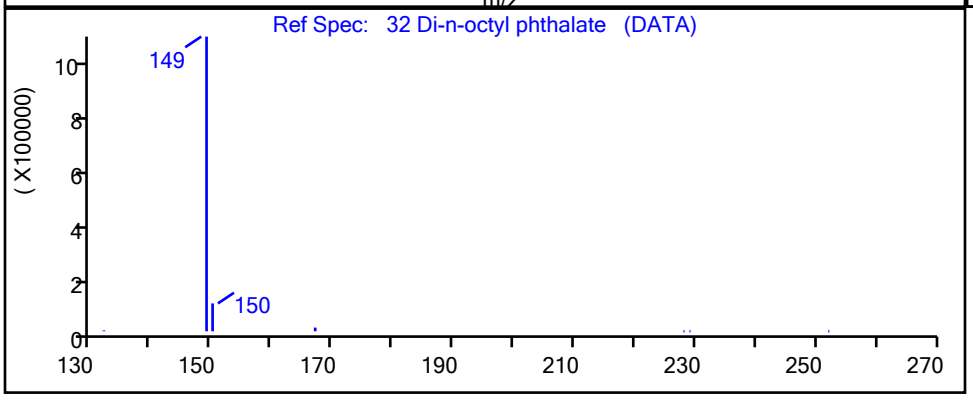
Processing Results











RT	Mass	Response	Amount
12.45	149.00	402581	2.170774
12.45	150.00	48498	

Reviewer: UJM0, 26-May-2023 08:12:55 -04:00:00 (UTC)

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.: 410-127407-1

SDG No.:

Client Sample ID: FB-01_052023
Lab Sample ID: 410-127407-4

Matrix: Water
Lab File ID: NE0568.D

Analysis Method: 8270D SIM
Date Collected: 05/18/2023 11:00

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 243.6(mL)
Date Analyzed: 05/26/2023 11:05

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.: 380221
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.31	0.10
90-12-0	1-Methylnaphthalene	ND		0.051	0.021
91-57-6	2-Methylnaphthalene	ND		0.051	0.021
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	0.021
117-81-7	Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051
85-68-7	Butylbenzylphthalate	ND	cn	1.0	0.051
218-01-9	Chrysene	ND		0.051	0.010
53-70-3	Dibenz(a,h)anthracene	ND		0.051	0.021
132-64-9	Dibenzofuran	ND		0.051	0.010
84-66-2	Diethylphthalate	ND		1.0	0.051
131-11-3	Dimethylphthalate	ND	*1	1.0	0.051
84-74-2	Di-n-butyl phthalate	0.078	J	1.0	0.051
117-84-0	Di-n-octyl phthalate	ND	cn	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	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.051	0.021
91-20-3	Naphthalene	ND		0.072	0.031
62-75-9	N-Nitrosodimethylamine	ND	cn	0.051	0.021
85-01-8	Phenanthrene	ND		0.072	0.031
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.: 410-127407-1

SDG No.:

Client Sample ID: FB-01_052023 Lab Sample ID: 410-127407-4

Matrix: Water Lab File ID: NE0568.D

Analysis Method: 8270D SIM Date Collected: 05/18/2023 11:00

Extract. Method: 3510C Date Extracted: 05/25/2023 15:27

Sample wt/vol: 243.6(mL) Date Analyzed: 05/26/2023 11:05

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.: 380221 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	56		33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	67		17-120
93951-69-0	Fluoranthene-d10 (Surr)	71		43-124

Report Date: 26-May-2023 20:30:20 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0568.D
Lims ID: 410-127407-A-4-A
Client ID: FB-01_052023
Sample Type: Client
Inject. Date: 26-May-2023 11:05:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-4-A
Misc. Info.: 410-0085101-019
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:29:45 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: CTX1644

First Level Reviewer: SJ89 Date: 26-May-2023 20:29:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	99	42529	0.2500	
* 5 Naphthalene-d8	136	5.744	5.744	0.000	100	153983	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.477	6.477	0.000	100	37345	0.1394	
* 13 Acenaphthene-d10	164	7.408	7.408	0.000	99	64312	0.2500	
19 Hexachlorobenzene	284	8.443	8.443	0.000	88	342	0.003431	
* 20 Phenanthrene-d10	188	8.814	8.814	0.000	99	93300	0.2500	
23 Di-n-butyl phthalate	149	9.378	9.378	-0.006	100	6908	0.0190	M
$ 24 Fluoranthene-d10 (Surr)	212	9.948	9.948	0.000	99	53435	0.1772	
* 29 Chrysene-d12	240	11.465	11.465	0.000	81	55247	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.519	11.519	0.000	94	1477	0.0104	M
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.298	13.291	0.007	98	27280	0.1677	
* 38 Perylene-d12	264	13.413	13.413	0.000	98	48486	0.2500	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00036 Amount Added: 10.00 Units: uL Run Reagent

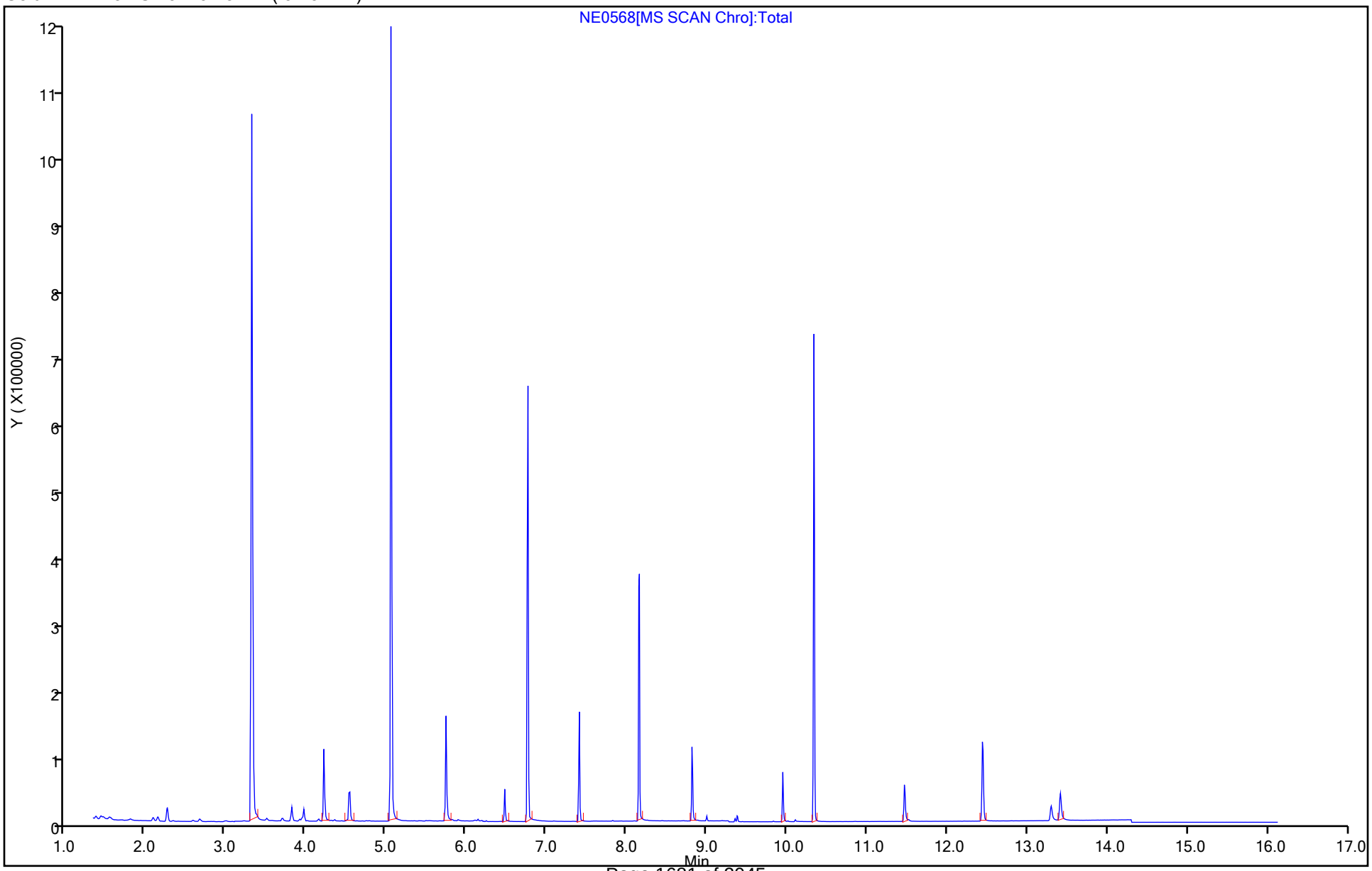
Report Date: 26-May-2023 20:30:20 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0568.D

Injection Date:	26-May-2023 11:05:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-127407-A-4-A	Lab Sample ID:	410-127407-4	Worklist Smp#:	19
Client ID:	FB-01_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
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\20230526-85101.b\NE0568.D				
Lims ID:	410-127407-A-4-A				
Client ID:	FB-01_052023				
Sample Type:	Client				
Inject. Date:	26-May-2023 11:05:30	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-A-4-A				
Misc. Info.:	410-0085101-019				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	26-May-2023 20:29:45	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:	CTX1644				

First Level Reviewer: SJ89 Date: 26-May-2023 20:29:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1394	55.74
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1772	70.88
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1677	67.08

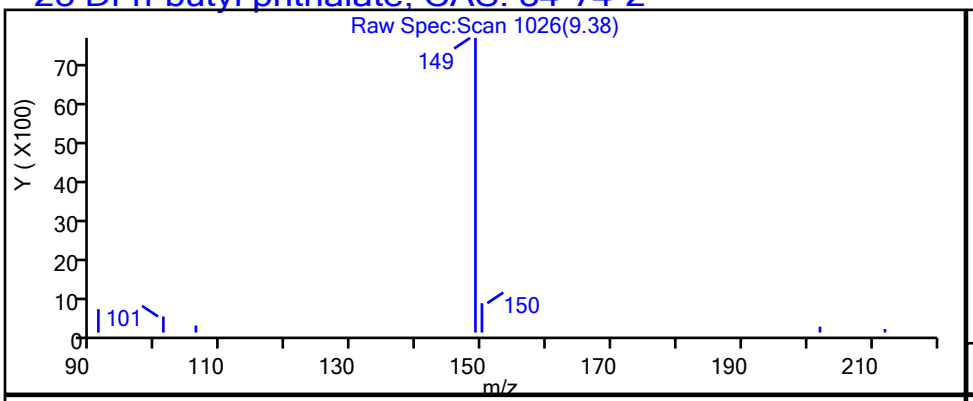
Report Date: 26-May-2023 20:30:21 Chrom Revision: 2.3 23-May-2023 13:55:56

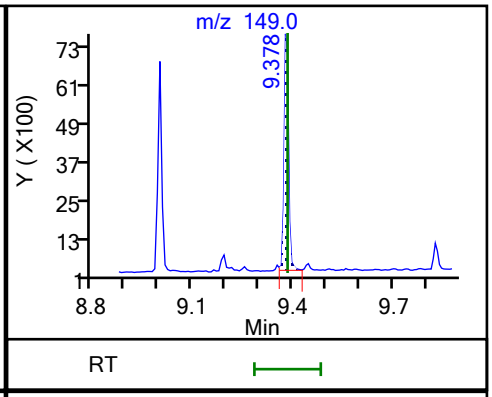
Eurofins Lancaster Laboratories Environment Testing, LLC

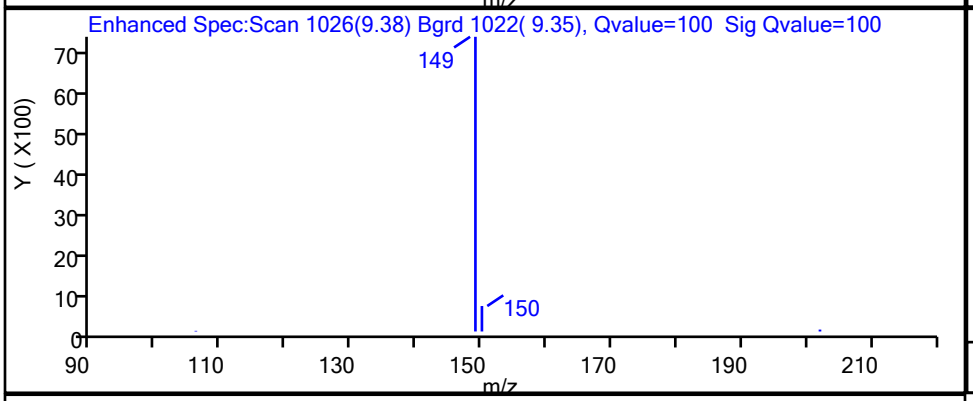
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0568.D

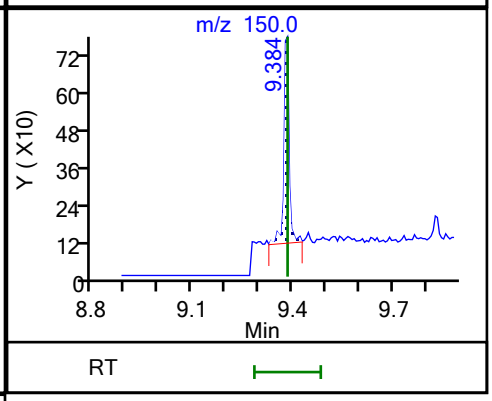
Injection Date:	26-May-2023 11:05:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-4-A	Lab Sample ID:	410-127407-4		
Client ID:	FB-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

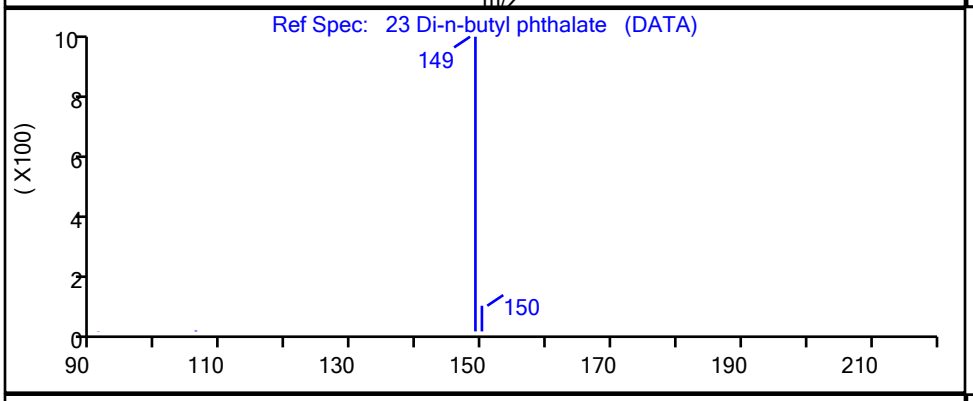
23 Di-n-butyl phthalate, CAS: 84-74-2

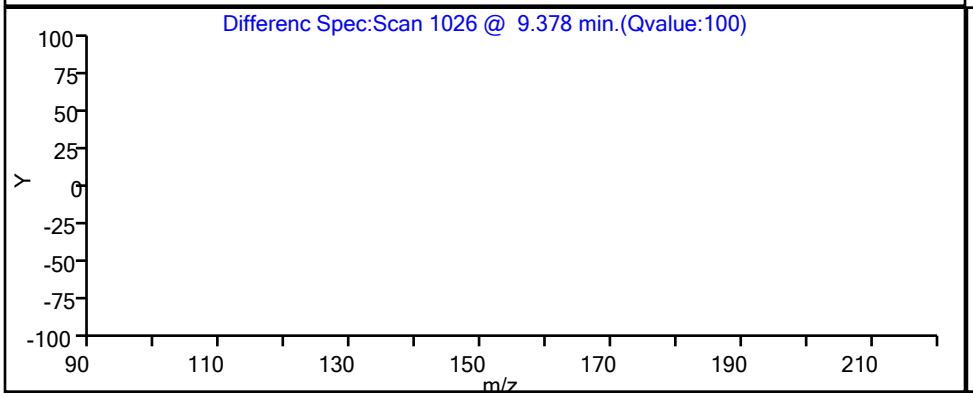


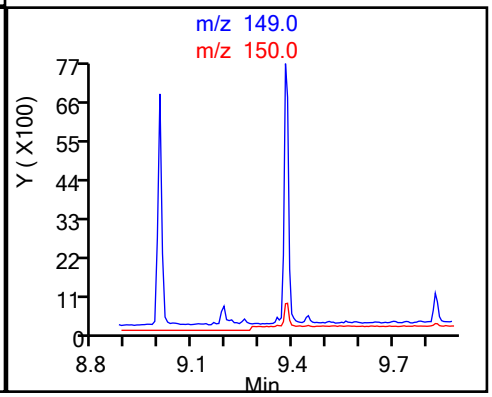












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

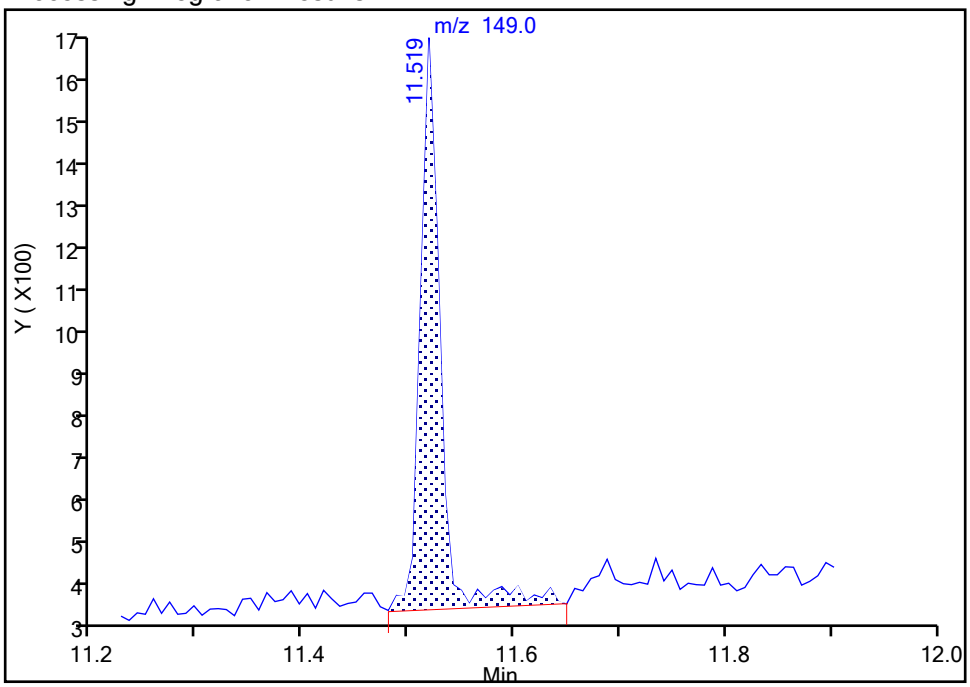
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0568.D				
Injection Date:	26-May-2023 11:05:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-4-A	Lab Sample ID:	410-127407-4		
Client ID:	FB-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

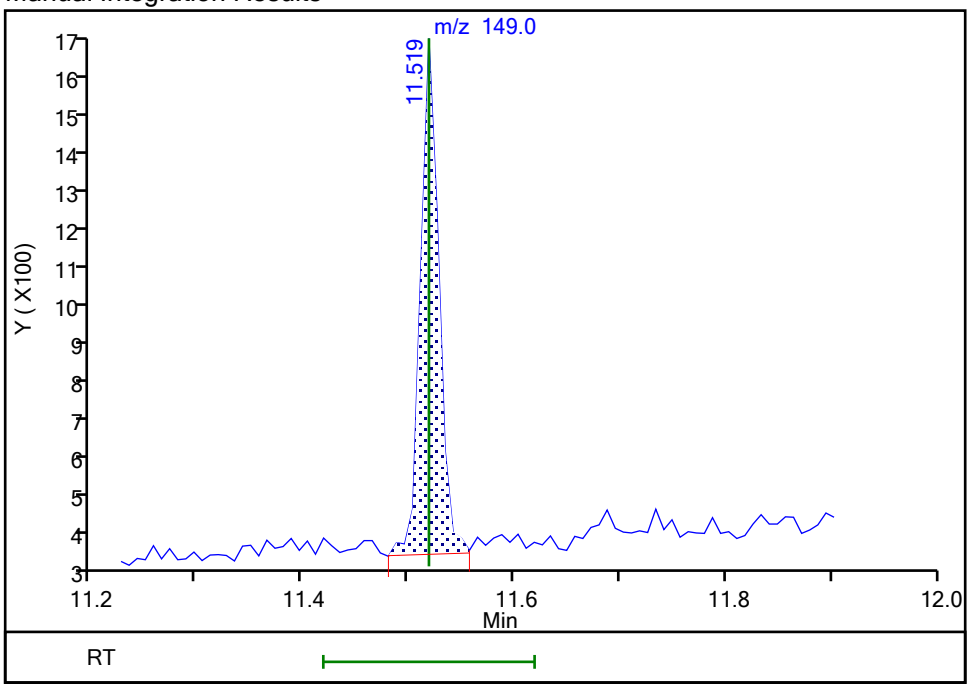
Processing Integration Results

RT: 11.52
Area: 1608
Amount: 0.011289
Amount Units: ug/ml



Manual Integration Results

RT: 11.52
Area: 1477
Amount: 0.010369
Amount Units: ug/ml



Reviewer: SJ89, 26-May-2023 20:29:37 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

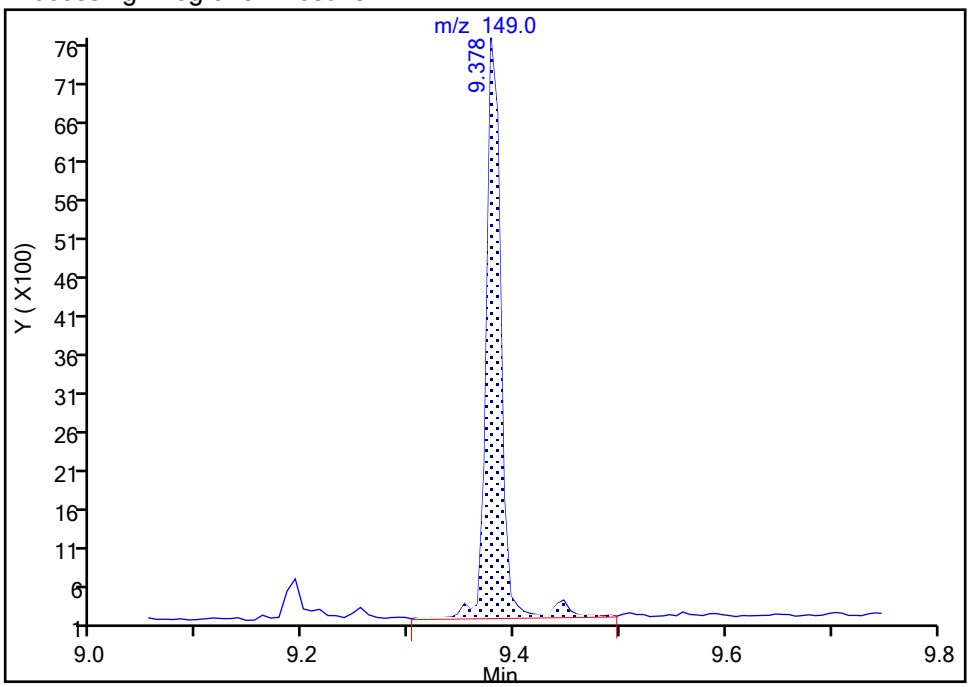
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0568.D		
Injection Date:	26-May-2023 11:05:30	Instrument ID:	HP23263
Lims ID:	410-127407-A-4-A	Lab Sample ID:	410-127407-4
Client ID:	FB-01_052023		
Operator ID:	jmg00346	ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

23 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

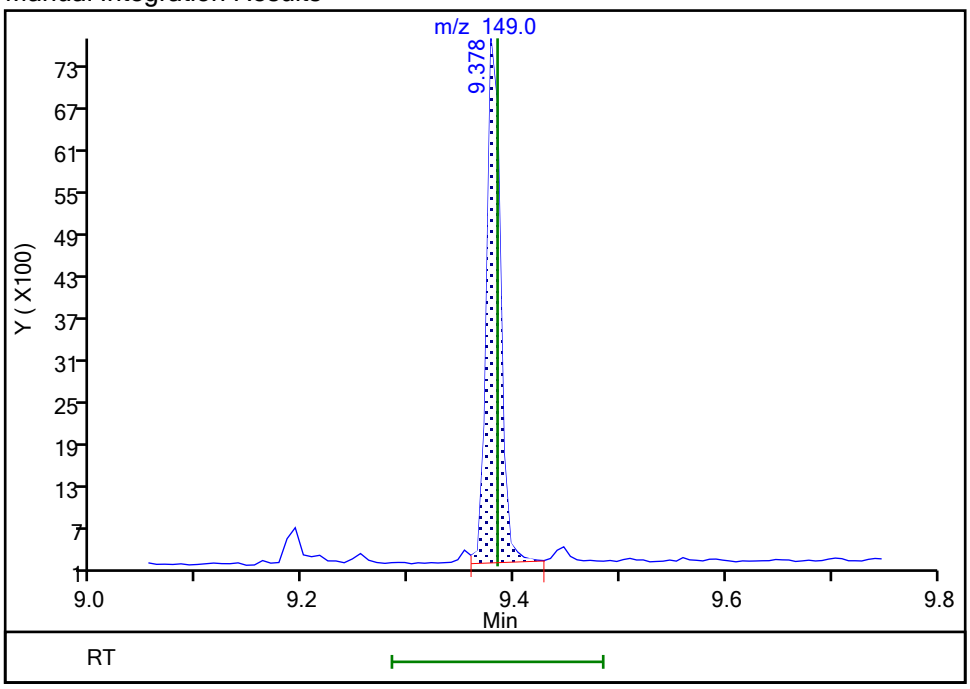
Processing Integration Results

RT: 9.38
Area: 7277
Amount: 0.020051
Amount Units: ug/ml



Manual Integration Results

RT: 9.38
Area: 6908
Amount: 0.019034
Amount Units: ug/ml



Reviewer: SJ89, 26-May-2023 20:29:31 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

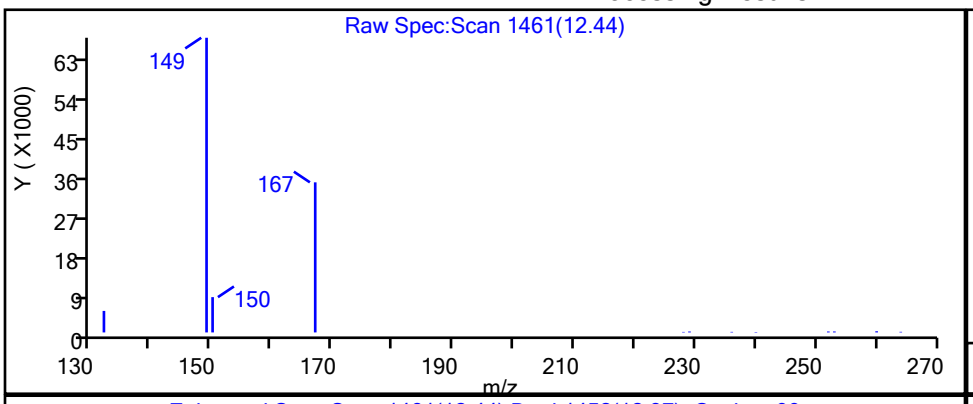
User Disabled Compound Report

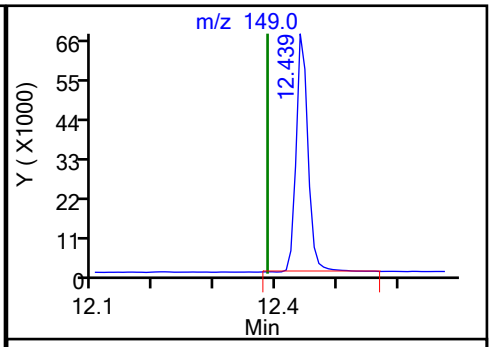
Eurofins Lancaster Laboratories Environment Testing, LLC

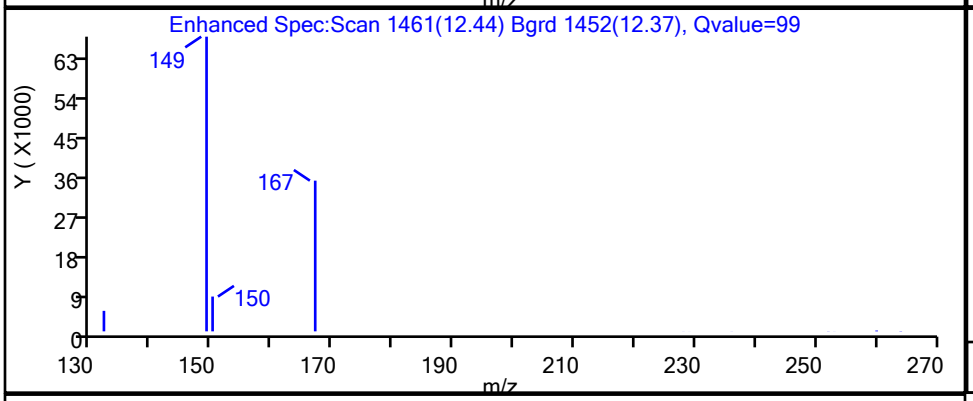
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0568.D				
Injection Date:	26-May-2023 11:05:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-4-A	Lab Sample ID:	410-127407-4		
Client ID:	FB-01_052023				
Operator ID:	jmg00346	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	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		

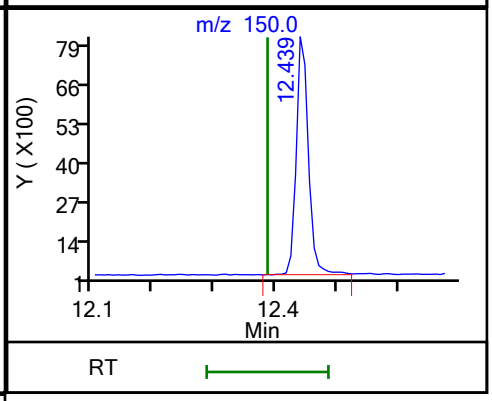
32 Di-n-octyl phthalate, CAS: 117-84-0

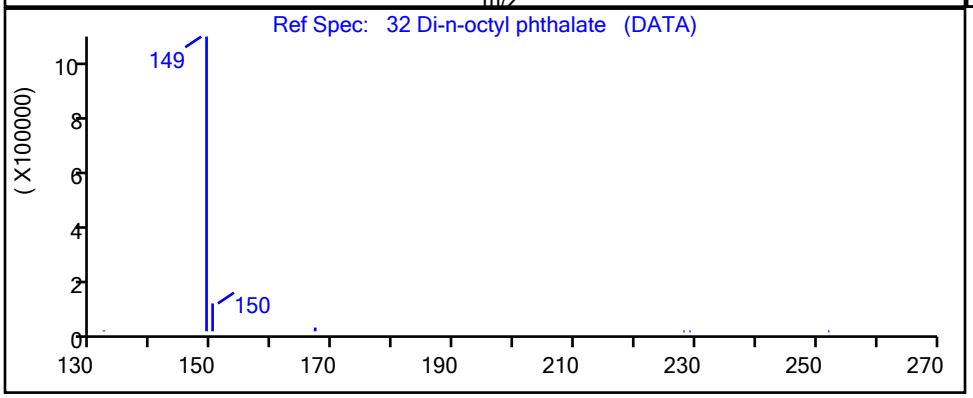
Processing Results











RT	Mass	Response	Amount
12.44	149.00	91457	0.429235
12.44	150.00	10904	

Reviewer: SJ89, 26-May-2023 20:29:40 -04:00:00 (UTC)

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.: 410-127407-1 Analy Batch No.: 368078

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/25/2023 06:05 Calibration End Date: 04/25/2023 08:11 Calibration ID: 49555

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-368078/7	MD0956.D
Level 2	IC 410-368078/6	MD0955.D
Level 3	IC 410-368078/5	MD0954.D
Level 4	ICIS 410-368078/2	MD0951.D
Level 5	IC 410-368078/4	MD0953.D
Level 6	IC 410-368078/3	MD0952.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	0.7229 0.5914	0.6242	0.5628	0.6039	0.5738	Ave		0.6132				9.5		20.4			
N-Nitrosodimethylamine	0.8349 0.7523	0.7638	0.7466	0.7576	0.7545	Ave		0.7683				4.3		20.4			
Bis(2-chloroethyl)ether	0.4816 0.3698	0.4192	0.3804	0.3844	0.3809	Ave		0.4027				10.5		20.4			
Naphthalene	1.4313 1.1143	1.2081	1.0665	1.0800	1.0693	Ave		1.1616				12.3		20.4			
Quinoline	0.7433 0.7008	0.6754	0.6561	0.6889	0.7098	Ave		0.6957				4.3		20.4			
2-Methylnaphthalene	0.9434 0.7492	0.7890	0.7179	0.7326	0.7351	Ave		0.7779				10.9		20.4			
1-Methylnaphthalene	0.8678 0.6850	0.7309	0.6838	0.6949	0.6939	Ave		0.7261				9.9		20.4			
Dimethylphthalate	1.2642 1.1935	1.3944	1.4067	1.4292	1.3546	Ave		1.3404				6.9		20.4			
Acenaphthylene	2.1611 1.8658	1.8282	1.6879	1.8360	1.8343	Ave		1.8689				8.4		20.4			
Acenaphthene	1.5124 1.1116	1.2265	1.1185	1.1516	1.1457	Ave		1.2111				12.6		20.4			
Dibenzofuran	2.6340 1.8755	2.1854	1.9757	2.0097	1.9773	Ave		2.1096				13.1		20.4			
Diethylphthalate	1.0579 1.1650	1.2075	1.2401	1.2896	1.2527	Ave		1.2021				6.8		20.4			
Fluorene	1.8918 1.4432	1.5165	1.4371	1.5032	1.4887	Ave		1.5467				11.1		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.: 410-127407-1 Analy Batch No.: 368078

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/25/2023 06:05 Calibration End Date: 04/25/2023 08:11 Calibration ID: 49555

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	0.5649 0.3909	0.4498	0.4444	0.4357	0.4216	Ave		0.4512				13.2		20.4			
Hexachlorobenzene	0.4003 0.2786	0.3349	0.2957	0.2977	0.2911	Ave		0.3164				14.3		20.4			
Phenanthrene	1.6115 1.1028	1.2872	1.1405	1.1640	1.1509	Ave		1.2428				15.4		20.4			
Anthracene	1.2610 1.0656	1.0499	0.9648	1.0678	1.0657	Ave		1.0792				9.0		20.4			
Di-n-butyl phthalate	0.6673 0.8340	0.8118	0.8522	0.9826	0.9778	Ave		0.8543				13.7		20.4			
Fluoranthene	1.7473 1.2800	1.3696	1.2772	1.3616	1.3287	Ave		1.3940				12.7		20.4			
Pyrene	2.1810 1.4140	1.6690	1.4671	1.4770	1.4251	Ave		1.6055				18.5		20.4			
Butylbenzylphthalate	0.2694 0.4246	0.3300	0.3658	0.4285	0.4201	Ave		0.3731				17.2		20.4			
Benzo[a]anthracene	1.5962 1.2915	1.2588	1.1963	1.2543	1.2563	Ave		1.3089				11.0		20.4			
Chrysene	2.0964 1.3881	1.6729	1.4840	1.4804	1.4310	Ave		1.5921				16.7		20.4			
Bis(2-ethylhexyl) phthalate	0.3440 0.5959	0.4164	0.4752	0.5815	0.5934	Lin2	-0.067	0.5875							0.9950		0.9900
Di-n-octyl phthalate	0.5609 0.7752	0.6540	0.7239	0.8641	0.8349	Ave		0.7355				15.5		20.4			
Benzo[b]fluoranthene	1.7917 1.1136	1.3561	1.2468	1.2909	1.1271	Ave		1.3210				18.8		20.4			
Benzo[k]fluoranthene	1.8137 1.0916	1.5363	1.3875	1.3301	1.2941	Ave		1.4089				17.4		20.4			
Benzo[e]pyrene	1.8361 1.0657	1.4482	1.2728	1.2622	1.1647	Ave		1.3416				20.4		20.4			
Benzo[a]pyrene	1.4012 1.0392	1.2171	1.1298	1.2305	1.1552	Ave		1.1955				10.2		20.4			
Perylene	1.7416 1.0337	1.5810	1.3240	1.2898	1.1885	Ave		1.3598				19.1		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.: 410-127407-1 Analy Batch No.: 368078

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/25/2023 06:05 Calibration End Date: 04/25/2023 08:11 Calibration ID: 49555

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	1.4594 0.9599	1.1405	0.9983	1.0645	0.9721	Ave		1.0991				17.2		20.4			
Dibenz(a,h)anthracene	1.6489 1.0837	1.3233	1.1934	1.2103	1.1422	Ave		1.2670				16.1		20.4			
Benzo[g,h,i]perylene	1.9185 1.1458	1.5169	1.2901	1.3034	1.2261	Ave		1.4001				20.2		20.4			
1-Methylnaphthalene-d10 (Surr)	0.7304 0.5742	0.6256	0.5727	0.5766	0.5727	Ave		0.6087				10.4		20.4			
Fluoranthene-d10 (Surr)	1.3190 1.0833	1.1442	1.0649	1.1291	1.1158	Ave		1.1427				8.0		20.4			
Benzo(a)pyrene-d12 (Surr)	1.1062 0.8187	0.9248	0.8579	0.9304	0.8778	Ave		0.9193				11.0		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 368078

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/25/2023 06:05 Calibration End Date: 04/25/2023 08:11 Calibration ID: 49555

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-368078/7	MD0956.D
Level 2	IC 410-368078/6	MD0955.D
Level 3	IC 410-368078/5	MD0954.D
Level 4	ICIS 410-368078/2	MD0951.D
Level 5	IC 410-368078/4	MD0953.D
Level 6	IC 410-368078/3	MD0952.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	1491 325175	6290	11303	62499	115165	0.0100 2.50	0.0500	0.100	0.500	1.00
N-Nitrosodimethylamine	DCBd 4	Ave	1722 413638	7696	14996	78407	151437	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-chloroethyl)ether	NPT	Ave	3358 697393	14409	25685	138098	266196	0.0100 2.50	0.0500	0.100	0.500	1.00
Naphthalene	NPT	Ave	9980 2101630	41527	72013	388023	747214	0.0100 2.50	0.0500	0.100	0.500	1.00
Quinoline	NPT	Ave	5183 1321664	23215	44304	247509	496024	0.0100 2.50	0.0500	0.100	0.500	1.00
2-Methylnaphthalene	NPT	Ave	6578 1412950	27122	48478	263206	513661	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene	NPT	Ave	6051 1291947	25123	46173	249675	484878	0.0100 2.50	0.0500	0.100	0.500	1.00
Dimethylphthalate	ANT	Ave	117568 5198316	269552	536916	1420720	2689243	0.250 10.0	0.500	1.00	2.50	5.00
Acenaphthylene	ANT	Ave	8039 2031532	35341	64424	365043	728321	0.0100 2.50	0.0500	0.100	0.500	1.00
Acenaphthene	ANT	Ave	5626 1210398	23709	42692	228954	454886	0.0100 2.50	0.0500	0.100	0.500	1.00
Dibenzofuran	ANT	Ave	9798 2042159	42246	75410	399574	785089	0.0100 2.50	0.0500	0.100	0.500	1.00
Diethylphthalate	ANT	Ave	98381 5073778	233420	473344	1282039	2486930	0.250 10.0	0.500	1.00	2.50	5.00
Fluorene	ANT	Ave	7037	29316	54851	298869	591080	0.0100	0.0500	0.100	0.500	1.00

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 368078

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/25/2023 06:05 Calibration End Date: 04/25/2023 08:11 Calibration ID: 49555

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
			1571438					2.50				
N-Nitrosodiphenylamine	PHN	Ave	3968 830962	16276	33095	166744	323150	0.0100 2.50	0.0500	0.100	0.500	1.00
Hexachlorobenzene	PHN	Ave	2812 592150	12118	22021	113924	223085	0.0100 2.50	0.0500	0.100	0.500	1.00
Phenanthrene	PHN	Ave	11319 2344046	46573	84926	445439	882111	0.0100 2.50	0.0500	0.100	0.500	1.00
Anthracene	PHN	Ave	8857 2265111	37989	71844	408623	816813	0.0100 2.50	0.0500	0.100	0.500	1.00
Di-n-butyl phthalate	PHN	Ave	117180 7090772	293733	634546	1880087	3747021	0.250 10.0	0.500	1.00	2.50	5.00
Fluoranthene	PHN	Ave	12273 2720728	49555	95102	521033	1018314	0.0100 2.50	0.0500	0.100	0.500	1.00
Pyrene	CRY	Ave	12823 2865126	52259	99031	532463	1063616	0.0100 2.50	0.0500	0.100	0.500	1.00
Butylbenzylphthalate	CRY	Ave	39600 3441640	103317	246886	772434	1567718	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[a]anthracene	CRY	Ave	9385 2616847	39415	80749	452181	937587	0.0100 2.50	0.0500	0.100	0.500	1.00
Chrysene	CRY	Ave	12326 2812570	52382	100172	533688	1068005	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-ethylhexyl) phthalate	CRY	Lin2	50565 4829746	130396	320776	1048132	2214293	0.250 10.0	0.500	1.00	2.50	5.00
Di-n-octyl phthalate	PRY	Ave	74884 7984092	198930	493030	1672155	3592606	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[b]fluoranthene	PRY	Ave	9569 2867319	41247	84917	499595	969983	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[k]fluoranthene	PRY	Ave	9686 2810624	46728	94502	514765	1113715	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[e]pyrene	PRY	Ave	9806 2743870	44046	86690	488496	1002304	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[a]pyrene	PRY	Ave	7483 2675708	37017	76948	476218	994156	0.0100 2.50	0.0500	0.100	0.500	1.00
Perylene	PRY	Ave	9301 2661620	48085	90174	499153	1022857	0.0100 2.50	0.0500	0.100	0.500	1.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	7794	34689	67994	411967	836619	0.0100	0.0500	0.100	0.500	1.00

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-127407-1 Analy Batch No.: 368078

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/25/2023 06:05 Calibration End Date: 04/25/2023 08:11 Calibration ID: 49555

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
			2471527					2.50				
Dibenz(a,h)anthracene	PRY	Ave	8806 2790327	40249	81284	468394	982983	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[g,h,i]perylene	PRY	Ave	10246 2950068	46137	87866	504423	1055208	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene-d10 (Surr)	NPT	Ave	5093 1082908	21506	38671	207164	400206	0.0100 2.50	0.0500	0.100	0.500	1.00
Fluoranthene-d10 (Surr)	PHN	Ave	9265 2302673	41401	79295	432082	855179	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo(a)pyrene-d12 (Surr)	PRY	Ave	5908 2108022	28128	58428	360071	755437	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 Env Job No.: 410-127407-1 Analy Batch No.: 368078

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/25/2023 06:05 Calibration End Date: 04/25/2023 08:11 Calibration ID: 49555

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-368078/7	MD0956.D
Level 2	IC 410-368078/6	MD0955.D
Level 3	IC 410-368078/5	MD0954.D
Level 4	ICIS 410-368078/2	MD0951.D
Level 5	IC 410-368078/4	MD0953.D
Level 6	IC 410-368078/3	MD0952.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
Bis(2-ethylhexyl) phthalate	4.4	-6.2	-7.6	3.6	3.3	2.6	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0951.D
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 25-Apr-2023 06:05:40 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L4
Misc. Info.: 410-0082279-002, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 25-Apr-2023 09:31:26 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: UJM0 Date: 25-Apr-2023 08:57:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.675	1.675	0.000	84	62499	0.5000	0.4924	
2 N-Nitrosodimethylamine	74	1.968	1.968	0.000	87	78407	0.5000	0.4930	
3 Bis(2-chloroethyl)ether	93	4.243	4.243	0.000	87	138098	0.5000	0.4772	
* 4 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	99	51750	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.718	5.718	0.000	91	179639	0.2500	0.2500	
6 Naphthalene	128	5.743	5.743	0.000	92	388023	0.5000	0.4649	
7 Quinoline	129	6.056	6.056	0.000	97	247509	0.5000	0.4951	
8 2-Methylnaphthalene	142	6.401	6.401	0.000	95	263206	0.5000	0.4709	
$ 9 1-Methylnaphthalene-d10	152	6.460	6.460	0.000	96	207164	0.5000	0.4736	
10 1-Methylnaphthalene	142	6.490	6.490	0.000	99	249675	0.5000	0.4786	
11 Dimethyl phthalate	163	7.140	7.140	0.000	76	1420720	2.50	2.67	
12 Acenaphthylene	152	7.248	7.248	0.000	99	365043	0.5000	0.4912	
* 13 Acenaphthene-d10	164	7.386	7.386	0.000	95	99410	0.2500	0.2500	
14 Acenaphthene	154	7.416	7.416	0.000	89	228954	0.5000	0.4754	
15 Dibenzofuran	168	7.583	7.583	0.000	93	399574	0.5000	0.4763	
16 Diethyl phthalate	149	7.810	7.810	0.000	100	1282039	2.50	2.68	
17 Fluorene	166	7.904	7.904	0.000	100	298869	0.5000	0.4859	
18 N-Nitrosodiphenylamine	169	8.029	8.029	0.000	99	166744	0.5000	0.4828	
19 Hexachlorobenzene	284	8.435	8.435	0.000	94	113924	0.5000	0.4705	
* 20 Phenanthrene-d10	188	8.794	8.794	0.000	94	191334	0.2500	0.2500	
21 Phenanthrene	178	8.817	8.817	0.000	100	445439	0.5000	0.4683	
22 Anthracene	178	8.864	8.864	0.000	100	408623	0.5000	0.4948	
23 Di-n-butyl phthalate	149	9.378	9.378	0.000	100	1880087	2.50	2.88	
$ 24 Fluoranthene-d10 (Surr)	212	9.929	9.929	0.000	98	432082	0.5000	0.4940	
25 Fluoranthene	202	9.948	9.948	0.000	100	521033	0.5000	0.4884	
26 Pyrene	202	10.161	10.161	0.000	99	532463	0.5000	0.4600	
27 Butyl benzyl phthalate	149	10.829	10.829	0.000	100	772434	2.50	2.87	
28 Benzo[a]anthracene	228	11.405	11.405	0.000	100	452181	0.5000	0.4791	
* 29 Chrysene-d12	240	11.412	11.412	0.000	100	180257	0.2500	0.2500	
30 Chrysene	228	11.443	11.443	0.000	100	533688	0.5000	0.4649	

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	11.497	11.497	0.000	99	1048132	2.50	2.59	
32 Di-n-octyl phthalate	149	12.333	12.333	0.000	100	1672155	2.50	2.94	
33 Benzo[b]fluoranthene	252	12.770	12.770	0.000	100	499595	0.5000	0.4886	
34 Benzo[k]fluoranthene	252	12.808	12.808	0.000	100	514765	0.5000	0.4720	
35 Benzo[e]pyrene	252	13.146	13.146	0.000	100	488496	0.5000	0.4704	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.184	13.184	0.000	100	360071	0.5000	0.5060	
37 Benzo[a]pyrene	252	13.215	13.215	0.000	100	476218	0.5000	0.5146	
* 38 Perylene-d12	264	13.299	13.299	0.000	100	193506	0.2500	0.2500	
39 Perylene	252	13.330	13.330	0.000	100	499153	0.5000	0.4743	
40 Indeno[1,2,3-cd]pyrene	276	14.844	14.844	0.000	100	411967	0.5000	0.4842	M
41 Dibenz(a,h)anthracene	278	14.886	14.886	0.000	96	468394	0.5000	0.4776	
42 Benzo[g,h,i]perylene	276	15.260	15.260	0.000	96	504423	0.5000	0.4655	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00028 Amount Added: 1.00 Units: mL

Report Date: 25-Apr-2023 09:31:27 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0951.D

Injection Date: 25-Apr-2023 06:05:40 Instrument ID: HP21585 Operator ID: jmg00346

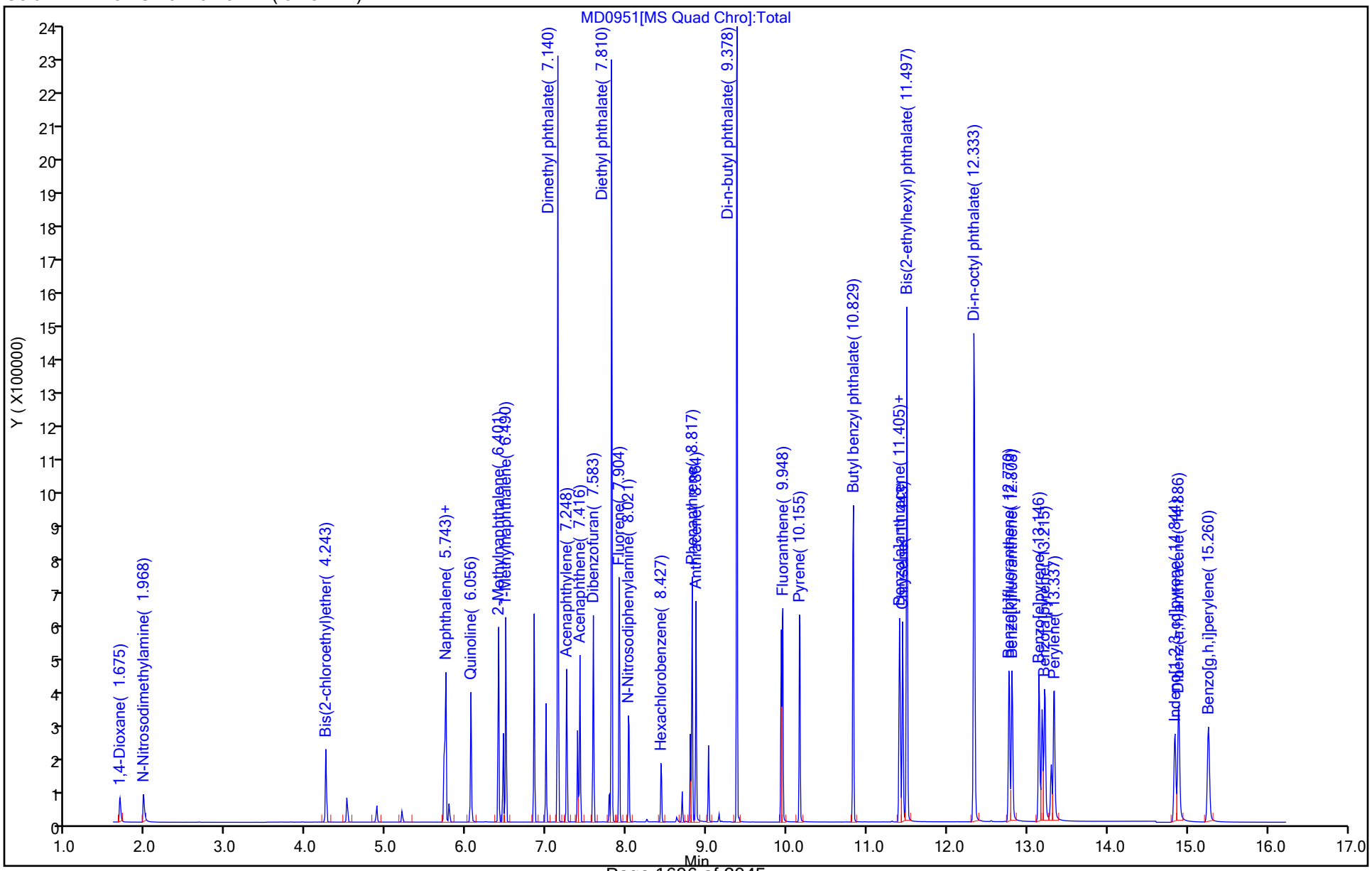
Lims ID: ICIS L4 Worklist Smp#: 2

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

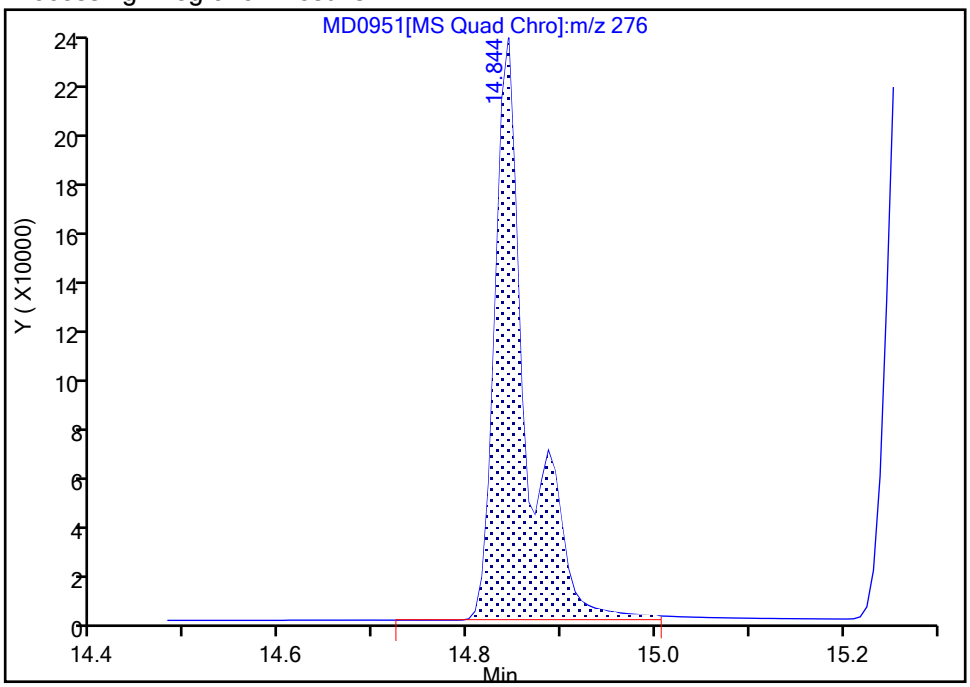
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0951.D				
Injection Date:	25-Apr-2023 06:05:40	Instrument ID:	HP21585		
Lims ID:	ICIS L4				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

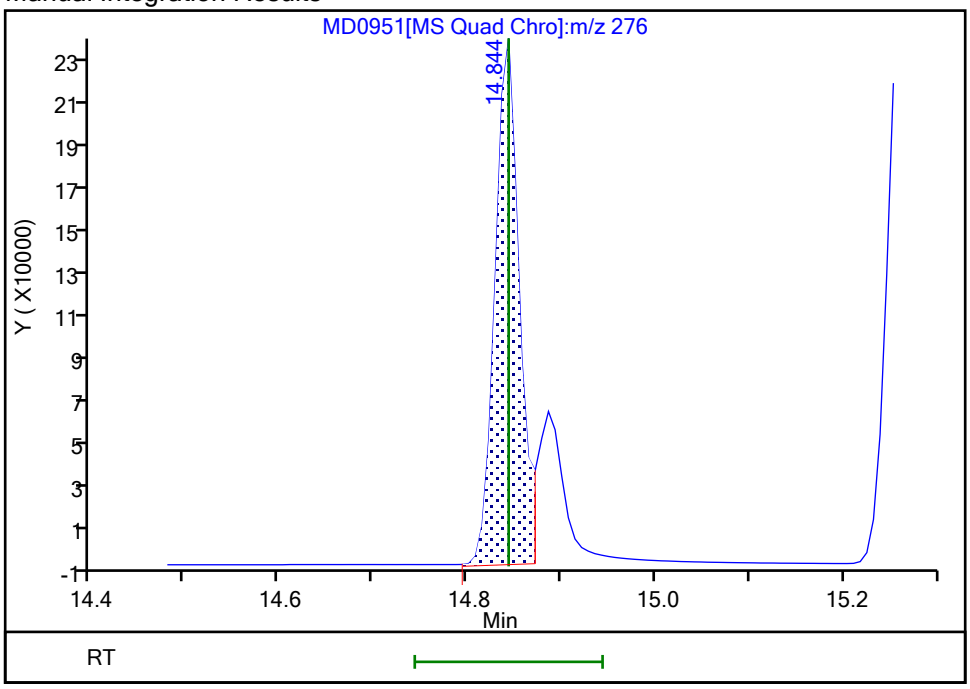
Processing Integration Results

RT: 14.84
Area: 547356
Amount: 0.500000
Amount Units: ug/ml



Manual Integration Results

RT: 14.84
Area: 411967
Amount: 0.484242
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 06:26:50

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0952.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Apr-2023 06:46:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6
Misc. Info.: 410-0082279-003, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 25-Apr-2023 09:31:29 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: UJM0 Date: 25-Apr-2023 08:58:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.670	1.675	-0.005	85	325175	2.50	2.41	
2 N-Nitrosodimethylamine	74	1.959	1.968	-0.009	88	413638	2.50	2.45	
3 Bis(2-chloroethyl)ether	93	4.243	4.243	0.000	86	697393	2.50	2.30	
* 4 1,4-Dichlorobenzene-d4	152	4.518	4.506	0.012	86	54981	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.718	5.718	0.000	95	188607	0.2500	0.2500	
6 Naphthalene	128	5.743	5.743	0.000	92	2101630	2.50	2.40	
7 Quinoline	129	6.055	6.056	-0.001	98	1321664	2.50	2.52	
8 2-Methylnaphthalene	142	6.401	6.401	0.000	96	1412950	2.50	2.41	
$ 9 1-Methylnaphthalene-d10	152	6.460	6.460	0.000	98	1082908	2.50	2.36	
10 1-Methylnaphthalene	142	6.490	6.490	0.000	100	1291947	2.50	2.36	
11 Dimethyl phthalate	163	7.140	7.140	0.000	75	5198316	10.0	8.90	
12 Acenaphthylene	152	7.258	7.248	0.010	96	2031532	2.50	2.50	
* 13 Acenaphthene-d10	164	7.386	7.386	0.000	97	108884	0.2500	0.2500	
14 Acenaphthene	154	7.416	7.416	0.000	89	1210398	2.50	2.29	
15 Dibenzofuran	168	7.583	7.583	0.000	95	2042159	2.50	2.22	
16 Diethyl phthalate	149	7.818	7.810	0.008	97	5073778	10.0	9.69	
17 Fluorene	166	7.912	7.904	0.008	99	1571438	2.50	2.33	
18 N-Nitrosodiphenylamine	169	8.029	8.029	0.000	99	830962	2.50	2.17	
19 Hexachlorobenzene	284	8.435	8.435	0.000	89	592150	2.50	2.20	
* 20 Phenanthrene-d10	188	8.794	8.794	0.000	95	212557	0.2500	0.2500	
21 Phenanthrene	178	8.817	8.817	0.000	100	2344046	2.50	2.22	
22 Anthracene	178	8.864	8.864	0.000	100	2265111	2.50	2.47	
23 Di-n-butyl phthalate	149	9.378	9.378	0.000	100	7090772	10.0	9.76	
$ 24 Fluoranthene-d10 (Surr)	212	9.929	9.929	0.000	98	2302673	2.50	2.37	
25 Fluoranthene	202	9.948	9.948	0.000	100	2720728	2.50	2.30	
26 Pyrene	202	10.161	10.161	0.000	98	2865126	2.50	2.20	
27 Butyl benzyl phthalate	149	10.829	10.829	0.000	100	3441640	10.0	11.4	
28 Benzo[a]anthracene	228	11.405	11.405	0.000	100	2616847	2.50	2.47	
* 29 Chrysene-d12	240	11.420	11.412	0.008	77	202625	0.2500	0.2500	
30 Chrysene	228	11.451	11.443	0.008	100	2812570	2.50	2.18	

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	11.504	11.497	0.007	98	4829746	10.0	10.3	
32 Di-n-octyl phthalate	149	12.340	12.333	0.007	100	7984092	10.0	10.5	
33 Benzo[b]fluoranthene	252	12.777	12.770	0.007	100	2867319	2.50	2.11	
34 Benzo[k]fluoranthene	252	12.816	12.808	0.008	100	2810624	2.50	1.94	
35 Benzo[e]pyrene	252	13.153	13.146	0.007	100	2743870	2.50	1.99	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.192	13.184	0.008	100	2108022	2.50	2.23	
37 Benzo[a]pyrene	252	13.222	13.215	0.007	100	2675708	2.50	2.17	
* 38 Perylene-d12	264	13.307	13.299	0.008	100	257478	0.2500	0.2500	
39 Perylene	252	13.337	13.330	0.007	100	2661620	2.50	1.90	
40 Indeno[1,2,3-cd]pyrene	276	14.851	14.844	0.007	100	2471527	2.50	2.18	M
41 Dibenz(a,h)anthracene	278	14.900	14.886	0.014	96	2790327	2.50	2.14	
42 Benzo[g,h,i]perylene	276	15.267	15.260	0.007	96	2950068	2.50	2.05	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_6_00018 Amount Added: 1.00 Units: mL

Report Date: 25-Apr-2023 09:31:30 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0952.D

Injection Date: 25-Apr-2023 06:46:00 Instrument ID: HP21585 Operator ID: jmg00346

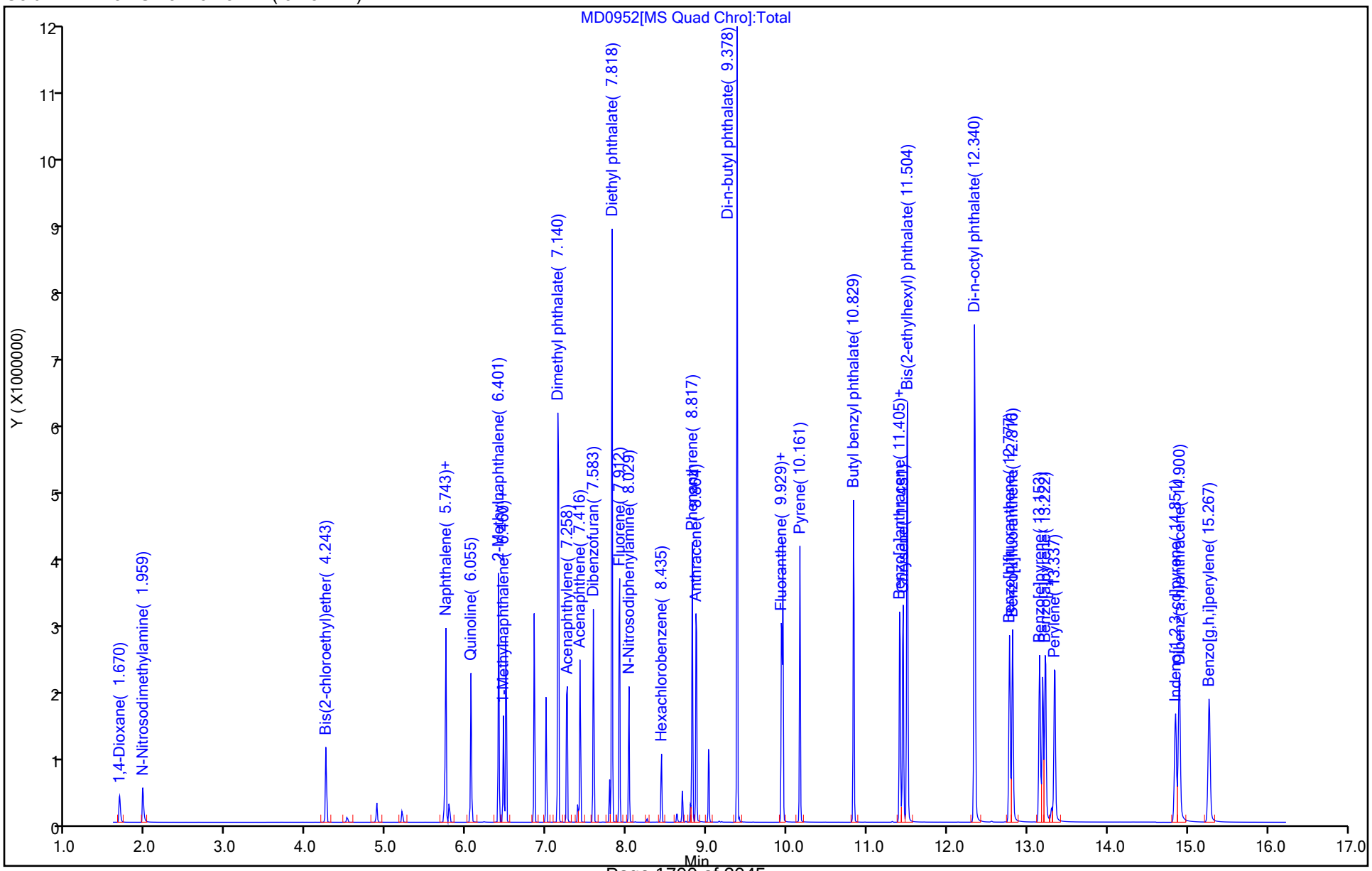
Lims ID: IC L6 Worklist Smp#: 3

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

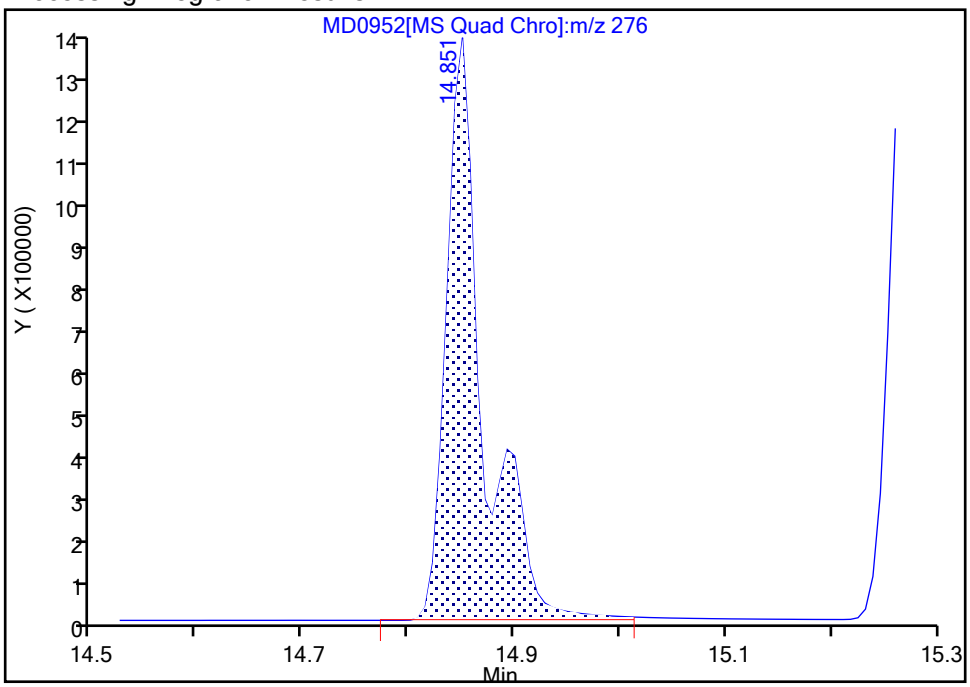
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0952.D				
Injection Date:	25-Apr-2023 06:46:00	Instrument ID:	HP21585		
Lims ID:	IC L6				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

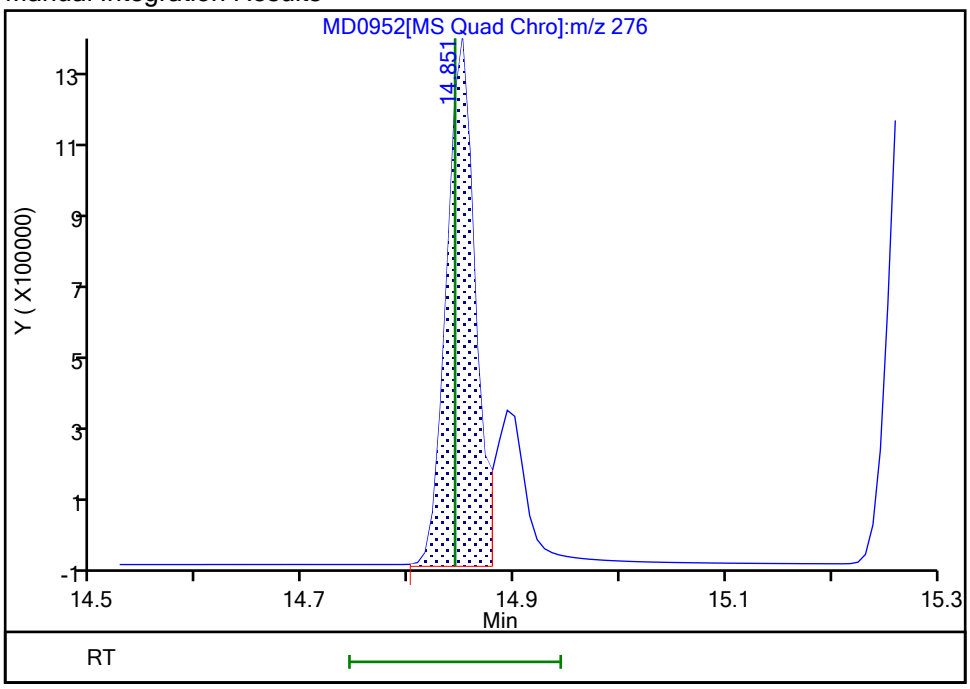
Processing Integration Results

RT: 14.85
Area: 3247766
Amount: 2.711637
Amount Units: ug/ml



Manual Integration Results

RT: 14.85
Area: 2471527
Amount: 2.183332
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 08:58:06

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0953.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-Apr-2023 07:07:12 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0082279-004, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 25-Apr-2023 09:31:32 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: UJM0 Date: 25-Apr-2023 08:59:56

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	1.675	1.675	0.000	85	115165	1.00	0.9358	M
2 N-Nitrosodimethylamine	74	1.964	1.968	-0.004	88	151437	1.00	0.9820	
3 Bis(2-chloroethyl)ether	93	4.243	4.243	0.000	87	266196	1.00	0.9460	
* 4 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	100	50179	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.718	5.718	0.000	91	174695	0.2500	0.2500	
6 Naphthalene	128	5.743	5.743	0.000	92	747214	1.00	0.9206	
7 Quinoline	129	6.055	6.056	-0.001	97	496024	1.00	1.02	
8 2-Methylnaphthalene	142	6.401	6.401	0.000	95	513661	1.00	0.9450	
$ 9 1-Methylnaphthalene-d10	152	6.460	6.460	0.000	96	400206	1.00	0.9409	
10 1-Methylnaphthalene	142	6.490	6.490	0.000	99	484878	1.00	0.9557	
11 Dimethyl phthalate	163	7.140	7.140	0.000	76	2689243	5.00	5.05	
12 Acenaphthylene	152	7.248	7.248	0.000	98	728321	1.00	0.9815	
* 13 Acenaphthene-d10	164	7.386	7.386	0.000	93	99262	0.2500	0.2500	
14 Acenaphthene	154	7.416	7.416	0.000	89	454886	1.00	0.9460	
15 Dibenzofuran	168	7.583	7.583	0.000	92	785089	1.00	0.9373	
16 Diethyl phthalate	149	7.810	7.810	0.000	100	2486930	5.00	5.21	
17 Fluorene	166	7.904	7.904	0.000	99	591080	1.00	0.9625	
18 N-Nitrosodiphenylamine	169	8.021	8.029	-0.008	99	323150	1.00	0.9344	M
19 Hexachlorobenzene	284	8.427	8.435	-0.008	94	223085	1.00	0.9200	
* 20 Phenanthrene-d10	188	8.794	8.794	0.000	94	191606	0.2500	0.2500	
21 Phenanthrene	178	8.817	8.817	0.000	100	882111	1.00	0.9261	
22 Anthracene	178	8.864	8.864	0.000	100	816813	1.00	0.9876	
23 Di-n-butyl phthalate	149	9.371	9.378	-0.007	100	3747021	5.00	5.72	
$ 24 Fluoranthene-d10 (Surr)	212	9.929	9.929	0.000	98	855179	1.00	0.9764	
25 Fluoranthene	202	9.942	9.948	-0.006	100	1018314	1.00	0.9531	
26 Pyrene	202	10.155	10.161	-0.006	98	1063616	1.00	0.8876	
27 Butyl benzyl phthalate	149	10.822	10.829	-0.007	100	1567718	5.00	5.63	
28 Benzo[a]anthracene	228	11.397	11.405	-0.008	100	937587	1.00	0.9598	
* 29 Chrysene-d12	240	11.412	11.412	0.000	97	186583	0.2500	0.2500	
30 Chrysene	228	11.443	11.443	0.000	100	1068005	1.00	0.8988	

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	11.497	11.497	0.000	99	2214293	5.00	5.16	
32 Di-n-octyl phthalate	149	12.333	12.333	0.000	100	3592606	5.00	5.68	
33 Benzo[b]fluoranthene	252	12.770	12.770	0.000	100	969983	1.00	0.8532	
34 Benzo[k]fluoranthene	252	12.808	12.808	0.000	100	1113715	1.00	0.9185	
35 Benzo[e]pyrene	252	13.146	13.146	0.000	100	1002304	1.00	0.8681	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.184	13.184	0.000	100	755437	1.00	0.9549	
37 Benzo[a]pyrene	252	13.215	13.215	0.000	100	994156	1.00	0.9663	
* 38 Perylene-d12	264	13.299	13.299	0.000	100	215151	0.2500	0.2500	
39 Perylene	252	13.330	13.330	0.000	100	1022857	1.00	0.8741	
40 Indeno[1,2,3-cd]pyrene	276	14.837	14.844	-0.007	100	836619	1.00	0.8845	M
41 Dibenz(a,h)anthracene	278	14.886	14.886	0.000	96	982983	1.00	0.9015	
42 Benzo[g,h,i]perylene	276	15.260	15.260	0.000	96	1055208	1.00	0.8757	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_5_00021 Amount Added: 1.00 Units: mL

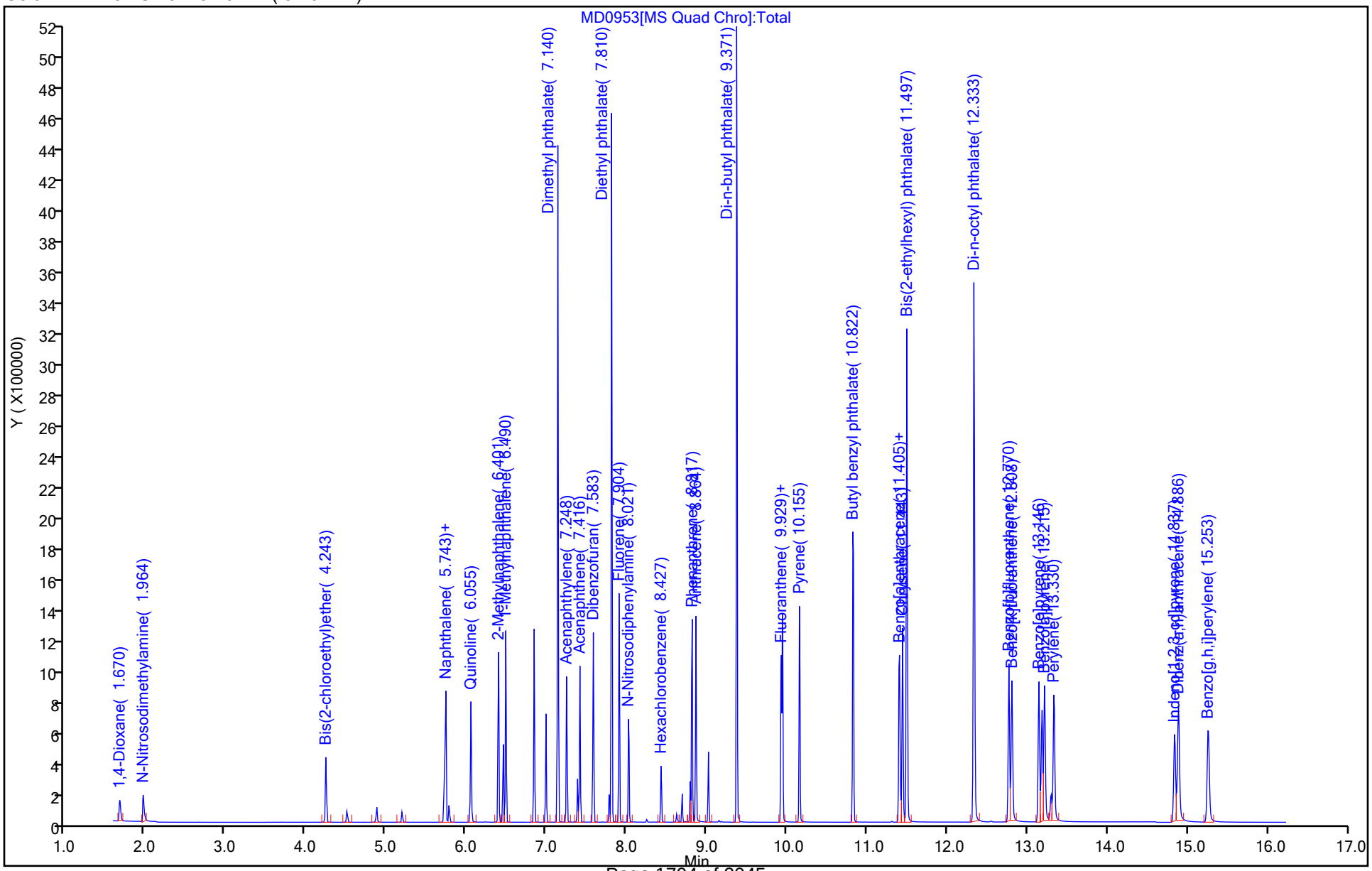
Report Date: 25-Apr-2023 09:31:33 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0953.D

Injection Date:	25-Apr-2023 07:07:12	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

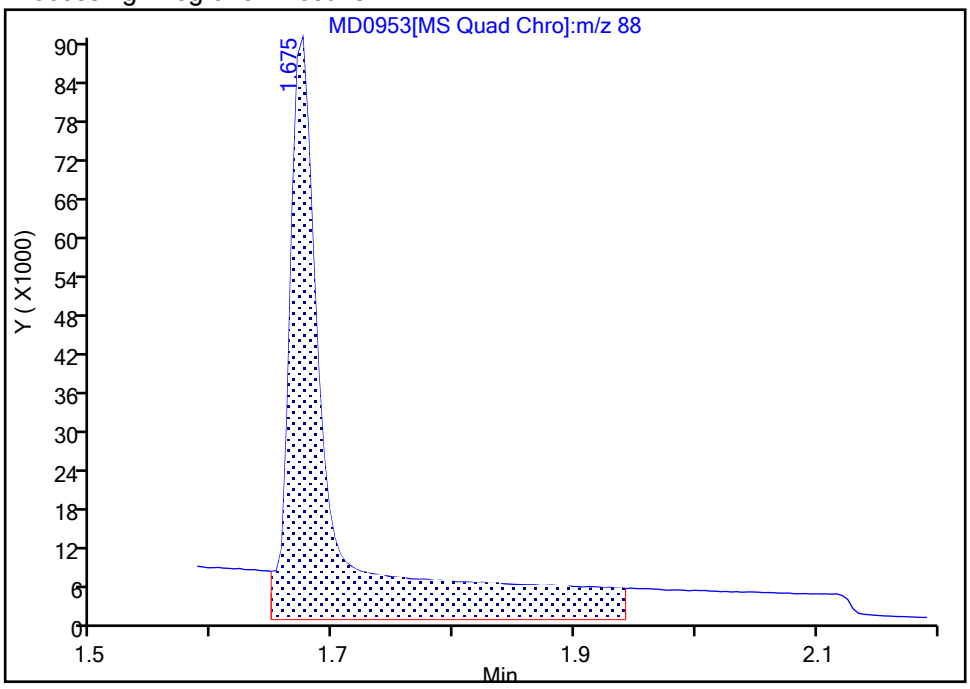
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0953.D				
Injection Date:	25-Apr-2023 07:07:12	Instrument ID:	HP21585		
Lims ID:	IC L5				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

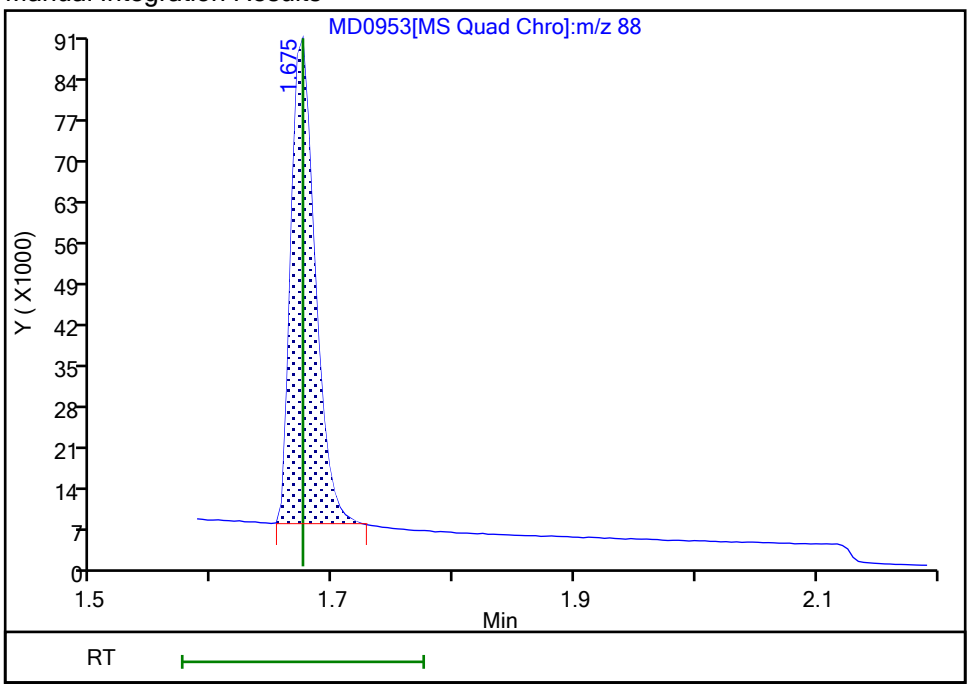
Processing Integration Results

RT: 1.67
Area: 225549
Amount: 1.453710
Amount Units: ug/ml



Manual Integration Results

RT: 1.67
Area: 115165
Amount: 0.935758
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 08:59:02
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

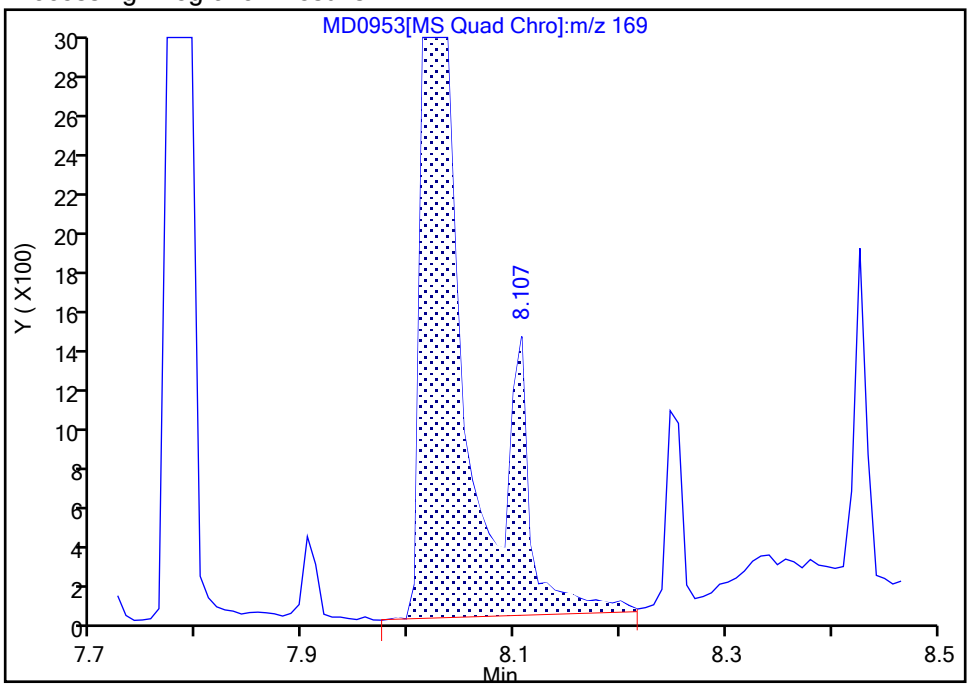
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0953.D				
Injection Date:	25-Apr-2023 07:07:12	Instrument ID:	HP21585		
Lims ID:	IC L5				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

18 N-Nitrosodiphenylamine, CAS: 86-30-6

Signal: 1

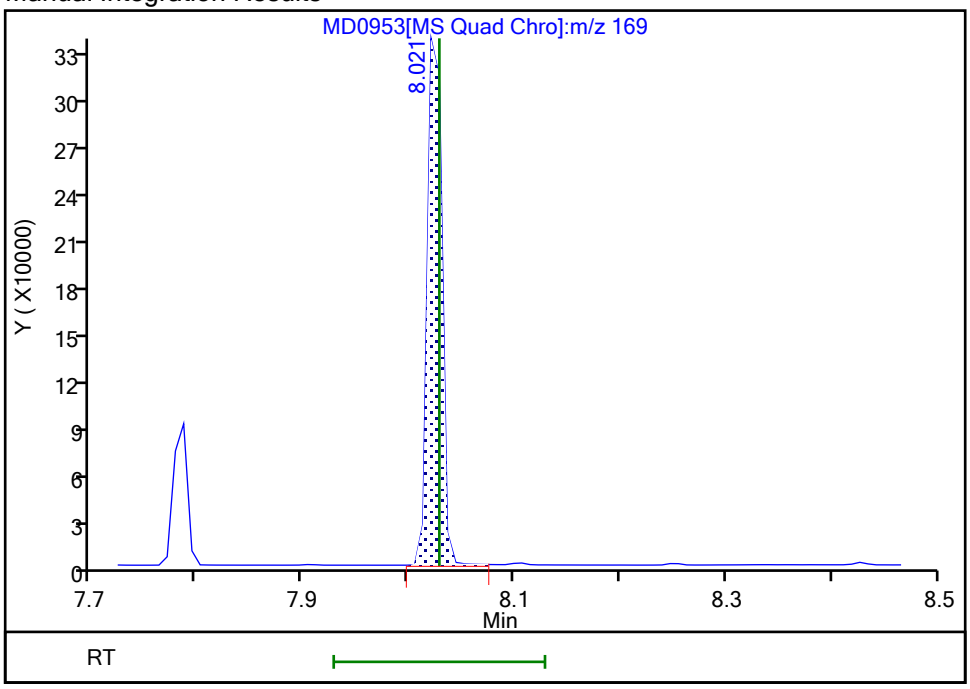
Processing Integration Results

RT: 8.11
Area: 325279
Amount: 1.017701
Amount Units: ug/ml



Manual Integration Results

RT: 8.02
Area: 323150
Amount: 0.934368
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 08:59:27
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

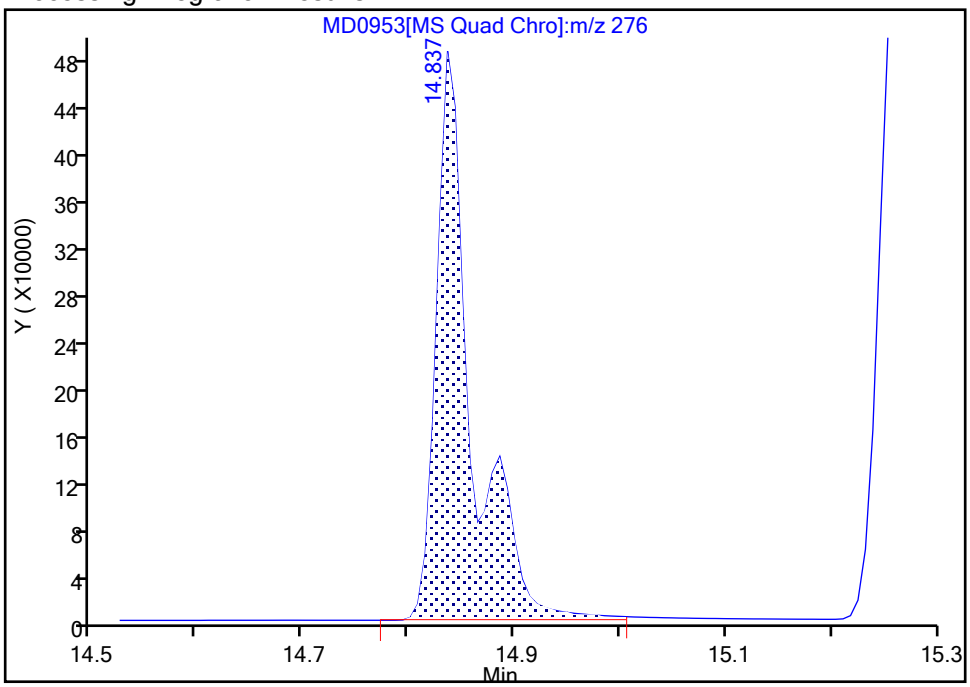
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0953.D				
Injection Date:	25-Apr-2023 07:07:12	Instrument ID:	HP21585		
Lims ID:	IC L5				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

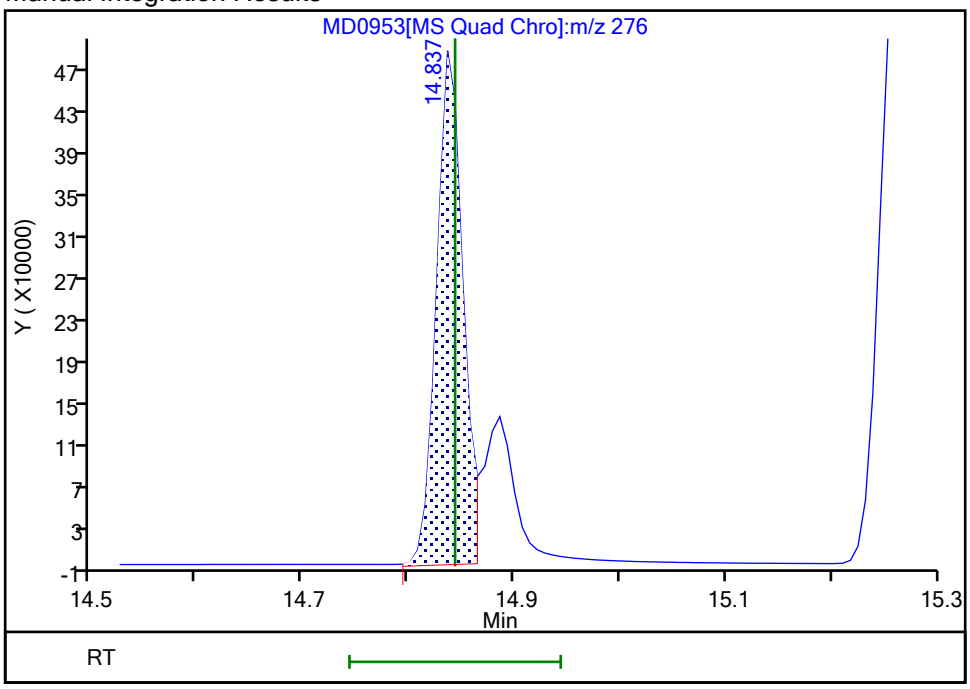
Processing Integration Results

RT: 14.84
Area: 1140841
Amount: 1.187127
Amount Units: ug/ml



Manual Integration Results

RT: 14.84
Area: 836619
Amount: 0.884461
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 08:59:50

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0954.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Apr-2023 07:28:32 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0082279-005, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 25-Apr-2023 09:31:35 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: UJM0 Date: 25-Apr-2023 09:00:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.684	1.675	0.009	85	11303	0.1000	0.0918	M
2 N-Nitrosodimethylamine	74	1.986	1.968	0.018	87	14996	0.1000	0.0972	
3 Bis(2-chloroethyl)ether	93	4.244	4.243	0.001	87	25685	0.1000	0.0945	
* 4 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	98	50213	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.718	5.718	0.000	91	168814	0.2500	0.2500	
6 Naphthalene	128	5.743	5.743	0.000	92	72013	0.1000	0.0918	
7 Quinoline	129	6.056	6.056	0.000	97	44304	0.1000	0.0943	
8 2-Methylnaphthalene	142	6.401	6.401	0.000	95	48478	0.1000	0.0923	
$ 9 1-Methylnaphthalene-d10	152	6.460	6.460	0.000	96	38671	0.1000	0.0941	
10 1-Methylnaphthalene	142	6.490	6.490	0.000	99	46173	0.1000	0.0942	
11 Dimethyl phthalate	163	7.140	7.140	0.000	75	536916	1.00	1.05	
12 Acenaphthylene	152	7.248	7.248	0.000	98	64424	0.1000	0.0903	
* 13 Acenaphthene-d10	164	7.386	7.386	0.000	92	95421	0.2500	0.2500	
14 Acenaphthene	154	7.416	7.416	0.000	85	42692	0.1000	0.0924	
15 Dibenzofuran	168	7.583	7.583	0.000	92	75410	0.1000	0.0937	
16 Diethyl phthalate	149	7.810	7.810	0.000	100	473344	1.00	1.03	
17 Fluorene	166	7.904	7.904	0.000	99	54851	0.1000	0.0929	
18 N-Nitrosodiphenylamine	169	8.021	8.029	-0.008	100	33095	0.1000	0.0985	
19 Hexachlorobenzene	284	8.427	8.435	-0.008	92	22021	0.1000	0.0935	
* 20 Phenanthrene-d10	188	8.794	8.794	0.000	95	186160	0.2500	0.2500	
21 Phenanthrene	178	8.817	8.817	0.000	100	84926	0.1000	0.0918	
22 Anthracene	178	8.864	8.864	0.000	100	71844	0.1000	0.0894	
23 Di-n-butyl phthalate	149	9.372	9.378	-0.006	100	634546	1.00	1.00	
$ 24 Fluoranthene-d10 (Surr)	212	9.923	9.929	-0.006	98	79295	0.1000	0.0932	
25 Fluoranthene	202	9.942	9.948	-0.006	99	95102	0.1000	0.0916	
26 Pyrene	202	10.155	10.161	-0.006	98	99031	0.1000	0.0914	
27 Butyl benzyl phthalate	149	10.822	10.829	-0.007	100	246886	1.00	0.9804	
28 Benzo[a]anthracene	228	11.397	11.405	-0.008	100	80749	0.1000	0.0914	
* 29 Chrysene-d12	240	11.412	11.412	0.000	59	168749	0.2500	0.2500	
30 Chrysene	228	11.443	11.443	0.000	100	100172	0.1000	0.0932	

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	11.497	11.497	0.000	99	320776	1.00	0.9235	
32 Di-n-octyl phthalate	149	12.333	12.333	0.000	100	493030	1.00	0.9842	
33 Benzo[b]fluoranthene	252	12.770	12.770	0.000	100	84917	0.1000	0.0944	
34 Benzo[k]fluoranthene	252	12.808	12.808	0.000	100	94502	0.1000	0.0985	
35 Benzo[e]pyrene	252	13.138	13.146	-0.008	100	86690	0.1000	0.0949	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.184	13.184	0.000	99	58428	0.1000	0.0933	
37 Benzo[a]pyrene	252	13.215	13.215	0.000	100	76948	0.1000	0.0945	
* 38 Perylene-d12	264	13.299	13.299	0.000	100	170272	0.2500	0.2500	
39 Perylene	252	13.330	13.330	0.000	100	90174	0.1000	0.0974	
40 Indeno[1,2,3-cd]pyrene	276	14.837	14.844	-0.007	99	67994	0.1000	0.0908	M
41 Dibenz(a,h)anthracene	278	14.886	14.886	0.000	96	81284	0.1000	0.0942	
42 Benzo[g,h,i]perylene	276	15.253	15.260	-0.007	96	87866	0.1000	0.0921	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_3_00022 Amount Added: 1.00 Units: mL

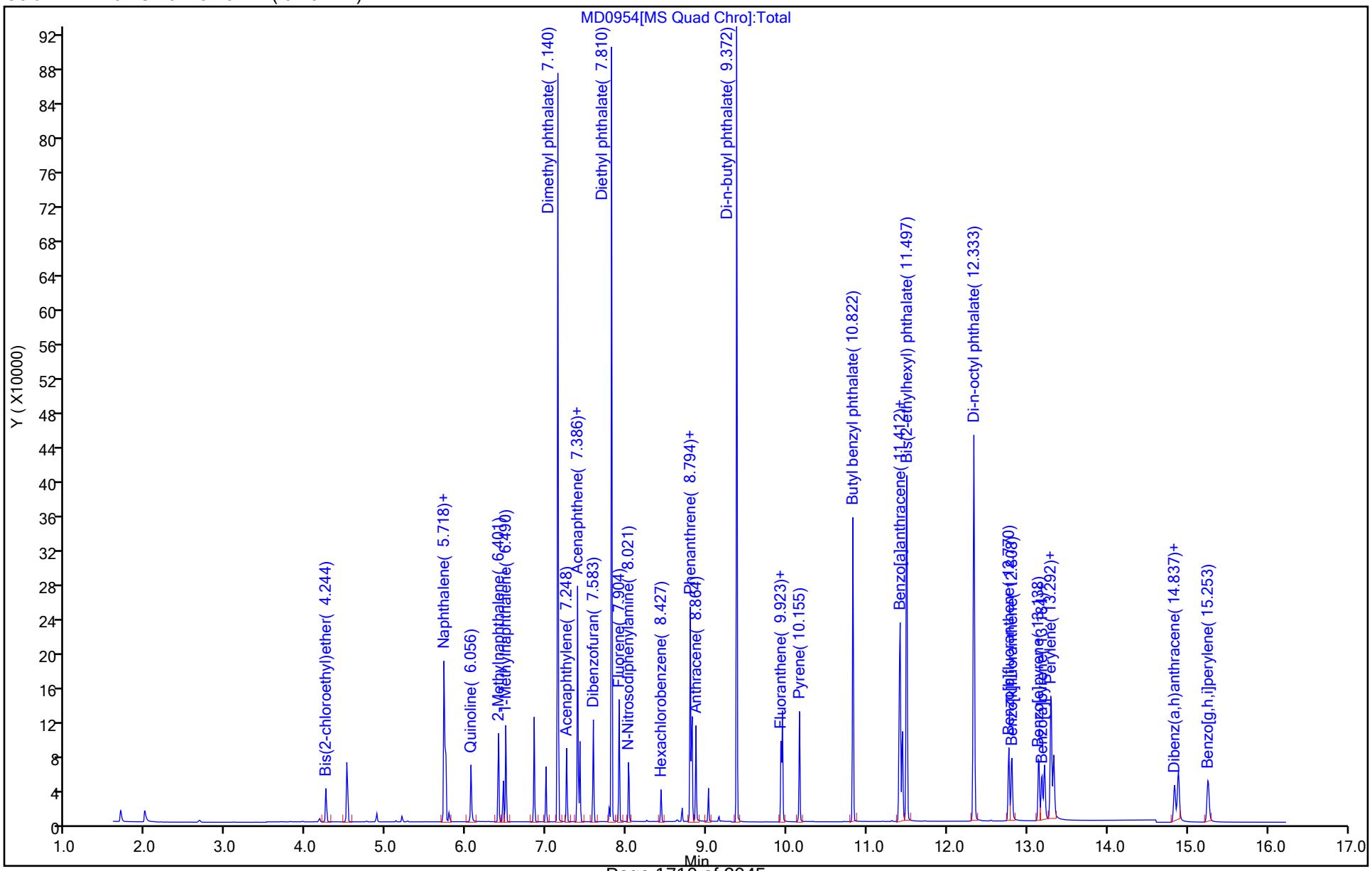
Report Date: 25-Apr-2023 09:31:36 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0954.D

Injection Date:	25-Apr-2023 07:28:32	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

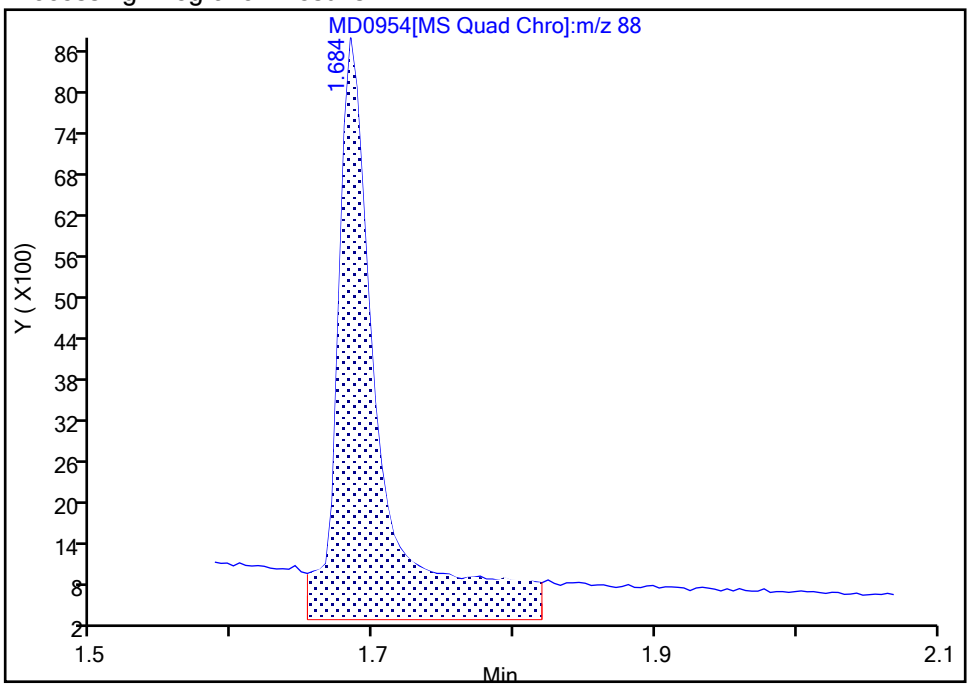
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0954.D				
Injection Date:	25-Apr-2023 07:28:32	Instrument ID:	HP21585		
Lims ID:	IC L3				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

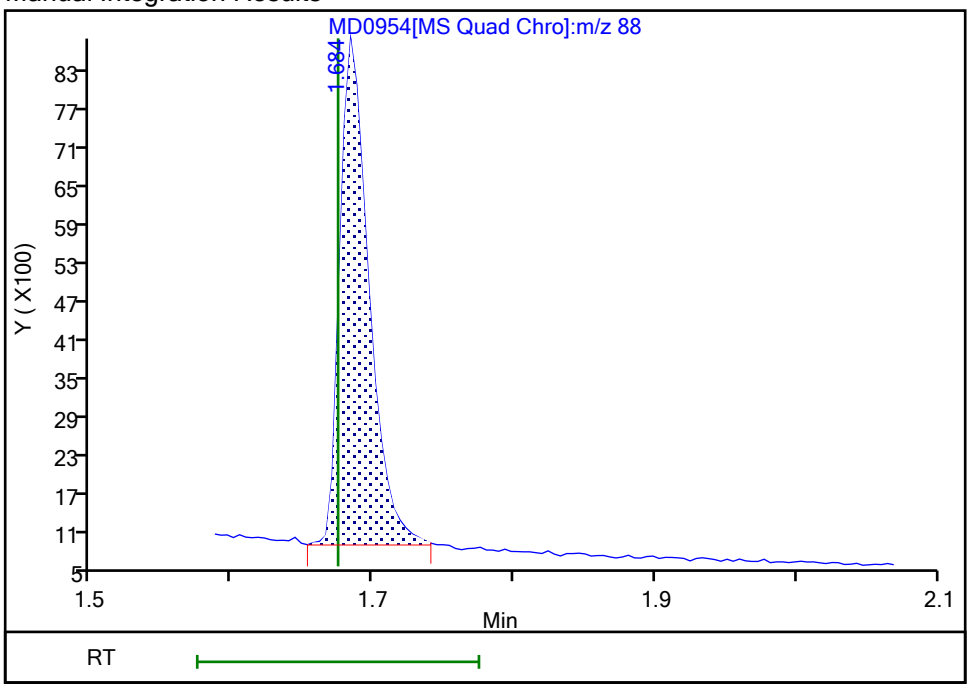
Processing Integration Results

RT: 1.68
Area: 17792
Amount: 0.133464
Amount Units: ug/ml



Manual Integration Results

RT: 1.68
Area: 11303
Amount: 0.091779
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 09:00:19
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

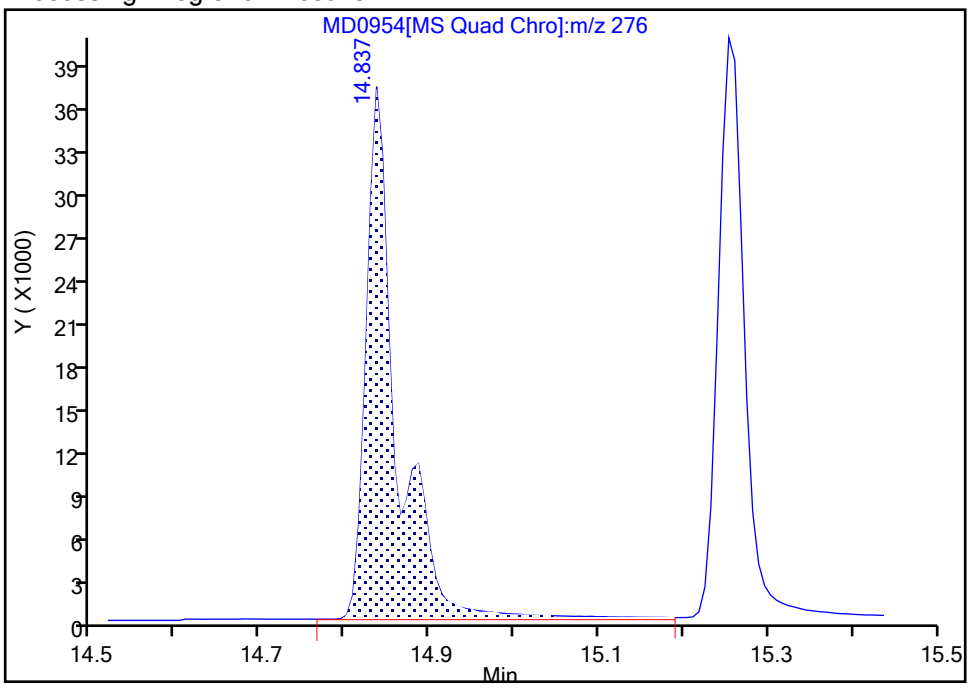
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0954.D				
Injection Date:	25-Apr-2023 07:28:32	Instrument ID:	HP21585		
Lims ID:	IC L3				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

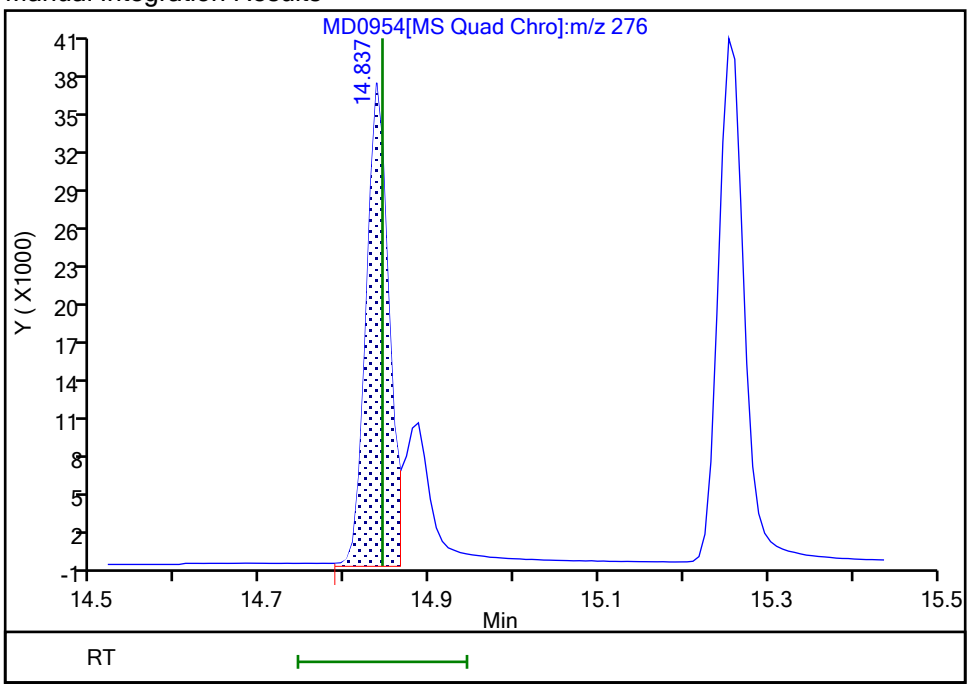
Processing Integration Results

RT: 14.84
Area: 96368
Amount: 0.128295
Amount Units: ug/ml



Manual Integration Results

RT: 14.84
Area: 67994
Amount: 0.090828
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 09:00:12

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0955.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Apr-2023 07:49:54 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0082279-006, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 25-Apr-2023 09:36:17 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: UJM0 Date: 25-Apr-2023 09:36:17

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	1.683	1.687	-0.004	84	6290	0.0500	0.0509	M
2 N-Nitrosodimethylamine	74	1.990	1.999	-0.009	87	7696	0.0500	0.0497	
3 Bis(2-chloroethyl)ether	93	4.243	4.243	0.000	87	14409	0.0500	0.0520	
* 4 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	99	50382	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.718	5.718	0.000	91	171870	0.2500	0.2500	
6 Naphthalene	128	5.743	5.743	0.000	92	41527	0.0500	0.0520	
7 Quinoline	129	6.055	6.068	-0.013	98	23215	0.0500	0.0485	
8 2-Methylnaphthalene	142	6.401	6.401	0.000	95	27122	0.0500	0.0507	
$ 9 1-Methylnaphthalene-d10	152	6.460	6.460	0.000	99	21506	0.0500	0.0514	
10 1-Methylnaphthalene	142	6.490	6.490	0.000	99	25123	0.0500	0.0503	
11 Dimethyl phthalate	163	7.140	7.140	0.000	75	269552	0.5000	0.5201	
12 Acenaphthylene	152	7.248	7.248	0.000	98	35341	0.0500	0.0489	
* 13 Acenaphthene-d10	164	7.386	7.386	0.000	93	96655	0.2500	0.2500	
14 Acenaphthene	154	7.416	7.415	0.001	88	23709	0.0500	0.0506	
15 Dibenzofuran	168	7.583	7.583	0.000	93	42246	0.0500	0.0518	
16 Diethyl phthalate	149	7.810	7.810	0.000	99	233420	0.5000	0.5022	
17 Fluorene	166	7.904	7.904	0.000	99	29316	0.0500	0.0490	
18 N-Nitrosodiphenylamine	169	8.021	8.028	-0.007	100	16276	0.0500	0.0498	
19 Hexachlorobenzene	284	8.427	8.426	0.001	93	12118	0.0500	0.0529	
* 20 Phenanthrene-d10	188	8.794	8.793	0.001	94	180915	0.2500	0.2500	
21 Phenanthrene	178	8.817	8.817	0.000	100	46573	0.0500	0.0518	
22 Anthracene	178	8.864	8.864	0.000	100	37989	0.0500	0.0486	
23 Di-n-butyl phthalate	149	9.371	9.371	0.000	100	293733	0.5000	0.4751	
$ 24 Fluoranthene-d10 (Surr)	212	9.929	9.929	0.000	98	41401	0.0500	0.0501	
25 Fluoranthene	202	9.942	9.942	0.000	100	49555	0.0500	0.0491	
26 Pyrene	202	10.155	10.155	0.000	98	52259	0.0500	0.0520	
27 Butyl benzyl phthalate	149	10.822	10.821	0.001	100	103317	0.5000	0.4422	
28 Benzo[a]anthracene	228	11.397	11.397	0.000	100	39415	0.0500	0.0481	
* 29 Chrysene-d12	240	11.412	11.412	0.000	58	156558	0.2500	0.2500	
30 Chrysene	228	11.443	11.443	0.000	100	52382	0.0500	0.0525	

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	11.497	11.489	0.008	99	130396	0.5000	0.4691	
32 Di-n-octyl phthalate	149	12.333	12.332	0.001	100	198930	0.5000	0.4446	
33 Benzo[b]fluoranthene	252	12.770	12.770	0.000	100	41247	0.0500	0.0513	
34 Benzo[k]fluoranthene	252	12.808	12.808	0.000	100	46728	0.0500	0.0545	
35 Benzo[e]pyrene	252	13.146	13.138	0.008	100	44046	0.0500	0.0540	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.184	13.184	0.000	100	28128	0.0500	0.0503	
37 Benzo[a]pyrene	252	13.215	13.214	0.001	100	37017	0.0500	0.0509	
* 38 Perylene-d12	264	13.299	13.291	0.008	100	152076	0.2500	0.2500	
39 Perylene	252	13.330	13.329	0.001	100	48085	0.0500	0.0581	
40 Indeno[1,2,3-cd]pyrene	276	14.837	14.836	0.000	99	34689	0.0500	0.0519	M
41 Dibenz(a,h)anthracene	278	14.886	14.886	0.000	96	40249	0.0500	0.0522	
42 Benzo[g,h,i]perylene	276	15.253	15.253	0.000	96	46137	0.0500	0.0542	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_2_00021 Amount Added: 1.00 Units: mL

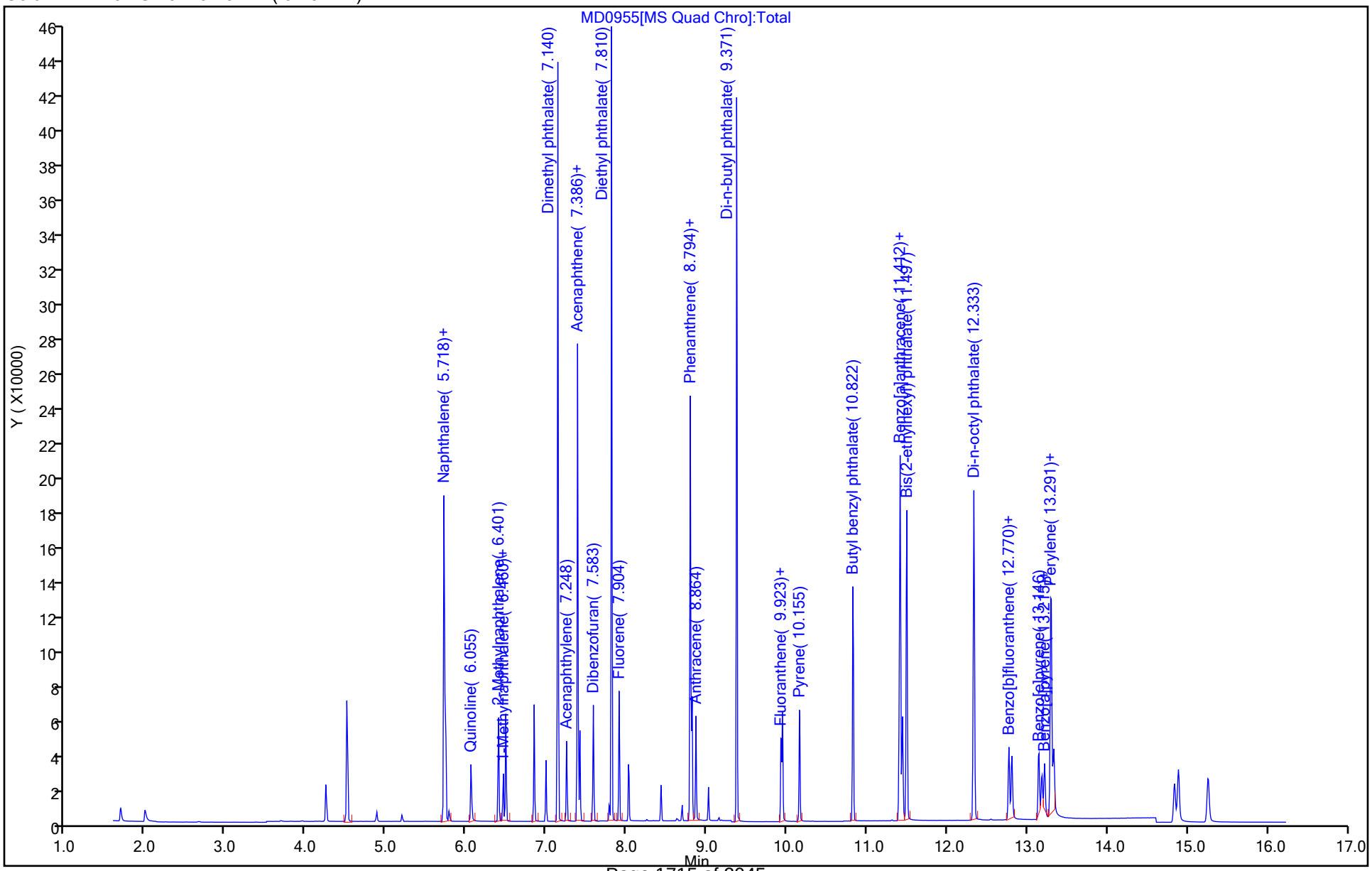
Report Date: 25-Apr-2023 09:36:18 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0955.D

Injection Date:	25-Apr-2023 07:49:54	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

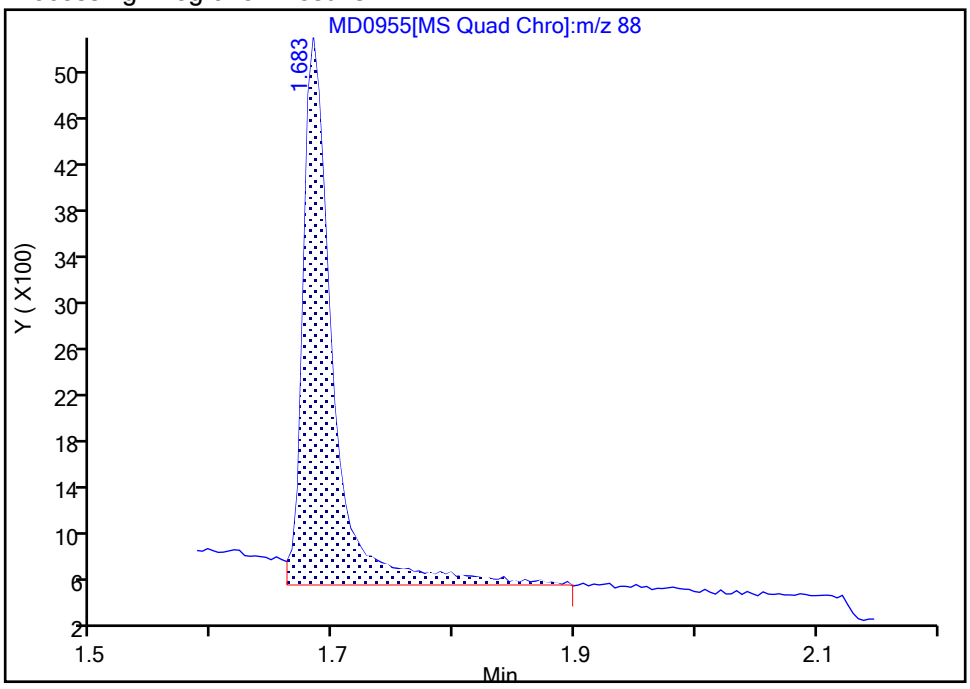
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0955.D				
Injection Date:	25-Apr-2023 07:49:54	Instrument ID:	HP21585		
Lims ID:	IC L2				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

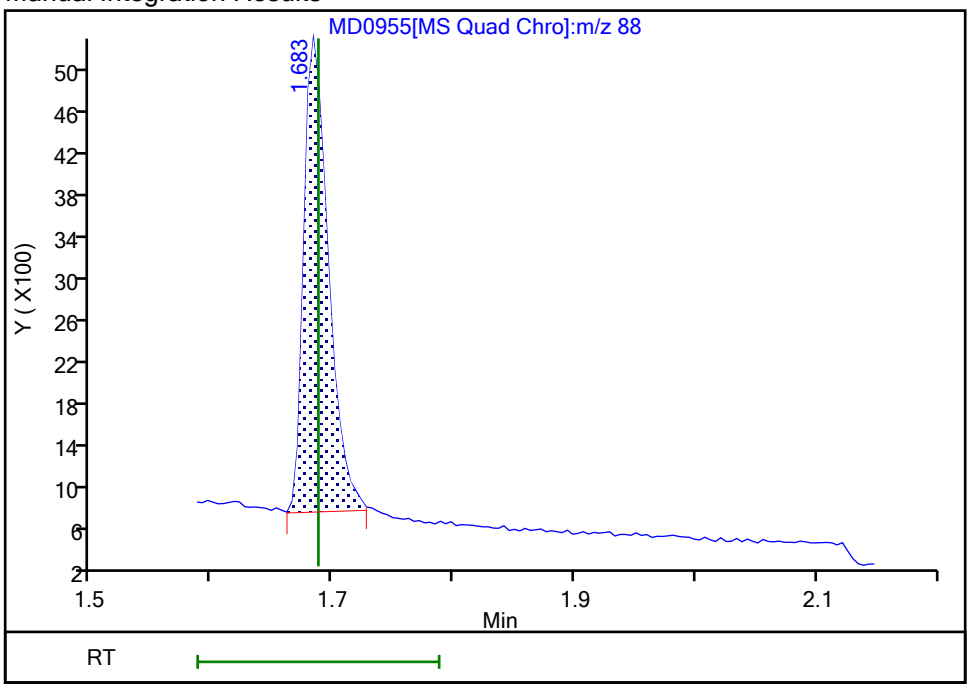
Processing Integration Results

RT: 1.68
Area: 8078
Amount: 0.063960
Amount Units: ug/ml



Manual Integration Results

RT: 1.68
Area: 6290
Amount: 0.050903
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 09:00:57

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

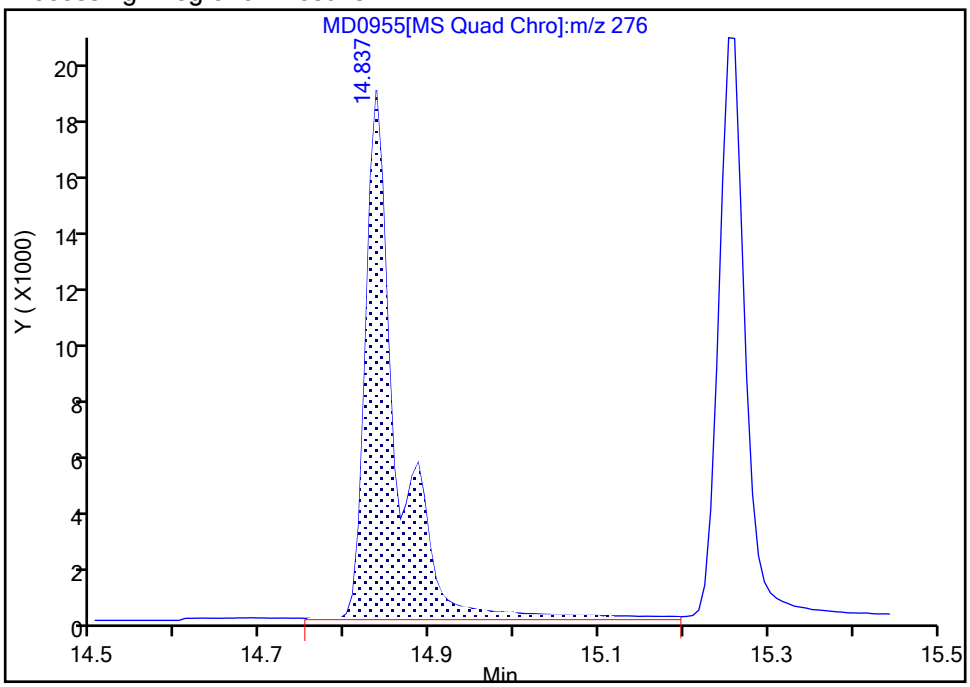
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0955.D				
Injection Date:	25-Apr-2023 07:49:54	Instrument ID:	HP21585		
Lims ID:	IC L2				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

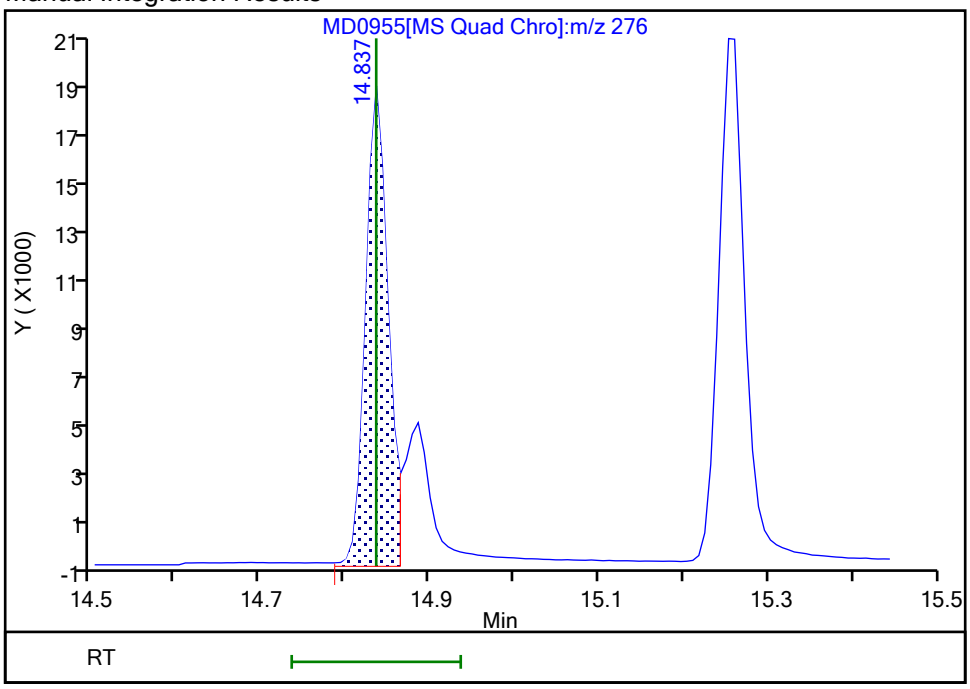
Processing Integration Results

RT: 14.84
Area: 50137
Amount: 0.058893
Amount Units: ug/ml



Manual Integration Results

RT: 14.84
Area: 34689
Amount: 0.051883
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 09:01:23

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Apr-2023 08:11:13 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0082279-007, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 25-Apr-2023 09:31:39 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: UJM0 Date: 25-Apr-2023 09:02:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.687	1.687	0.000	83	1491	0.0100	0.0118	M
2 N-Nitrosodimethylamine	74	1.999	1.999	0.000	86	1722	0.0100	0.0109	
3 Bis(2-chloroethyl)ether	93	4.243	4.243	0.000	86	3358	0.0100	0.0120	
* 4 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	99	51561	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.718	5.718	0.000	91	174314	0.2500	0.2500	
6 Naphthalene	128	5.743	5.743	0.000	92	9980	0.0100	0.0123	
7 Quinoline	129	6.068	6.068	0.000	98	5183	0.0100	0.0107	
8 2-Methylnaphthalene	142	6.401	6.401	0.000	95	6578	0.0100	0.0121	
$ 9 1-Methylnaphthalene-d10	152	6.460	6.460	0.000	98	5093	0.0100	0.0120	
10 1-Methylnaphthalene	142	6.490	6.490	0.000	100	6051	0.0100	0.0120	
11 Dimethyl phthalate	163	7.140	7.140	0.000	75	117568	0.2500	0.2358	
12 Acenaphthylene	152	7.248	7.248	0.000	98	8039	0.0100	0.0116	
* 13 Acenaphthene-d10	164	7.386	7.386	0.000	93	92995	0.2500	0.2500	
14 Acenaphthene	154	7.415	7.415	0.000	88	5626	0.0100	0.0125	
15 Dibenzofuran	168	7.583	7.583	0.000	90	9798	0.0100	0.0125	
16 Diethyl phthalate	149	7.810	7.810	0.000	100	98381	0.2500	0.2200	
17 Fluorene	166	7.904	7.904	0.000	99	7037	0.0100	0.0122	
18 N-Nitrosodiphenylamine	169	8.028	8.028	0.000	100	3968	0.0100	0.0125	
19 Hexachlorobenzene	284	8.426	8.426	0.000	94	2812	0.0100	0.0127	
* 20 Phenanthrene-d10	188	8.793	8.793	0.000	96	175600	0.2500	0.2500	
21 Phenanthrene	178	8.817	8.817	0.000	100	11319	0.0100	0.0130	
22 Anthracene	178	8.864	8.864	0.000	100	8857	0.0100	0.0117	
23 Di-n-butyl phthalate	149	9.371	9.371	0.000	100	117180	0.2500	0.1953	
$ 24 Fluoranthene-d10 (Surr)	212	9.929	9.929	0.000	98	9265	0.0100	0.0115	
25 Fluoranthene	202	9.942	9.942	0.000	100	12273	0.0100	0.0125	
26 Pyrene	202	10.155	10.155	0.000	98	12823	0.0100	0.0136	
27 Butyl benzyl phthalate	149	10.821	10.821	0.000	100	39600	0.2500	0.1805	
28 Benzo[a]anthracene	228	11.397	11.397	0.000	100	9385	0.0100	0.0122	
* 29 Chrysene-d12	240	11.412	11.412	0.000	57	146988	0.2500	0.2500	
30 Chrysene	228	11.443	11.443	0.000	100	12326	0.0100	0.0132	

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	11.489	11.489	0.000	100	50565	0.2500	0.2611	
32 Di-n-octyl phthalate	149	12.332	12.332	0.000	100	74884	0.2500	0.1906	
33 Benzo[b]fluoranthene	252	12.770	12.770	0.000	100	9569	0.0100	0.0136	
34 Benzo[k]fluoranthene	252	12.808	12.808	0.000	100	9686	0.0100	0.0129	
35 Benzo[e]pyrene	252	13.138	13.138	0.000	100	9806	0.0100	0.0137	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.184	13.184	0.000	100	5908	0.0100	0.0120	
37 Benzo[a]pyrene	252	13.214	13.214	0.000	100	7483	0.0100	0.0117	
* 38 Perylene-d12	264	13.291	13.291	0.000	100	133515	0.2500	0.2500	
39 Perylene	252	13.329	13.329	0.000	100	9301	0.0100	0.0128	M
40 Indeno[1,2,3-cd]pyrene	276	14.836	14.836	0.000	99	7794	0.0100	0.0133	M
41 Dibenz(a,h)anthracene	278	14.886	14.886	0.000	97	8806	0.0100	0.0130	
42 Benzo[g,h,i]perylene	276	15.253	15.253	0.000	96	10246	0.0100	0.0137	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_1_00021 Amount Added: 1.00 Units: mL

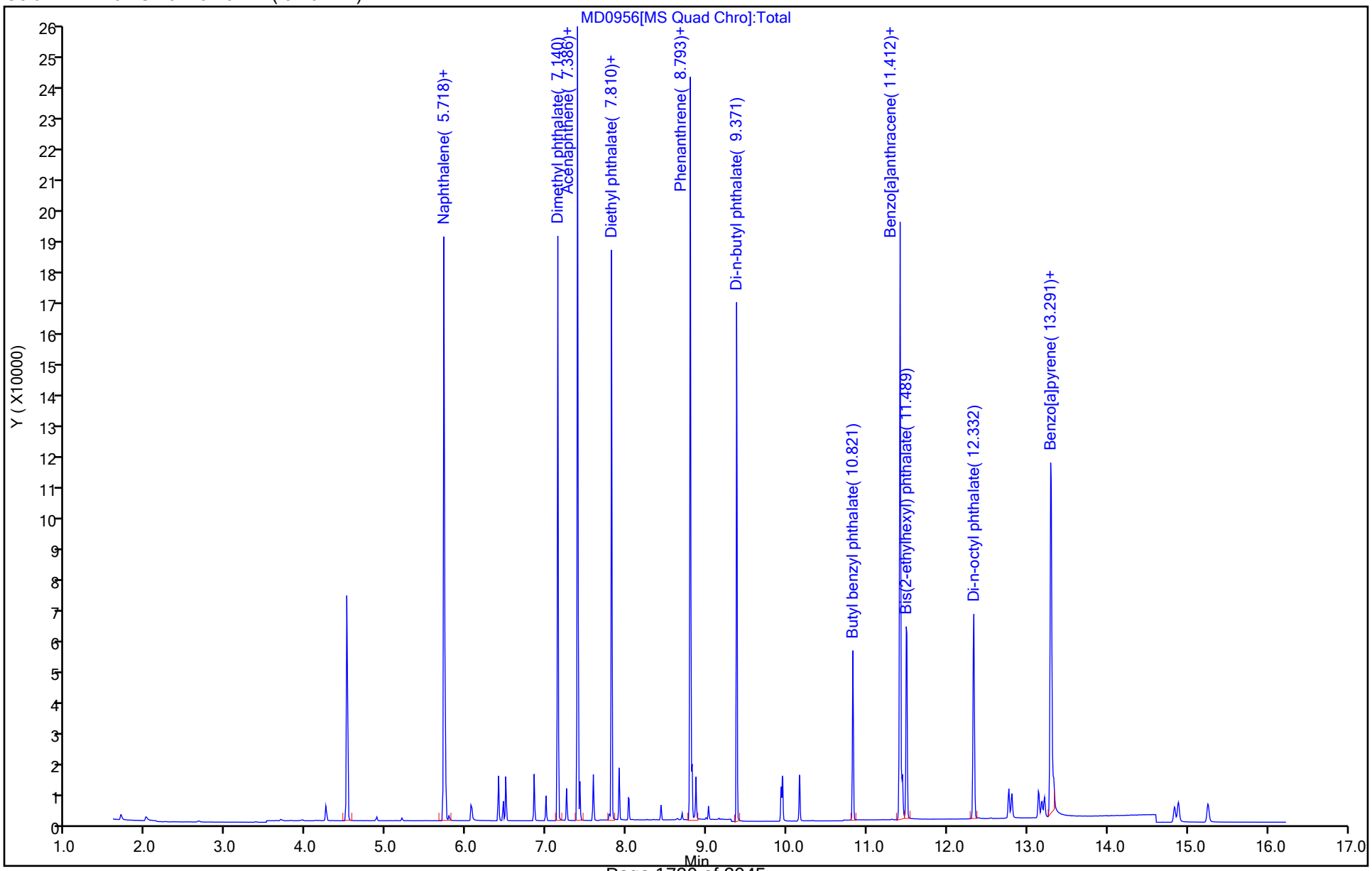
Report Date: 25-Apr-2023 09:31:39 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Injection Date:	25-Apr-2023 08:11:13	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

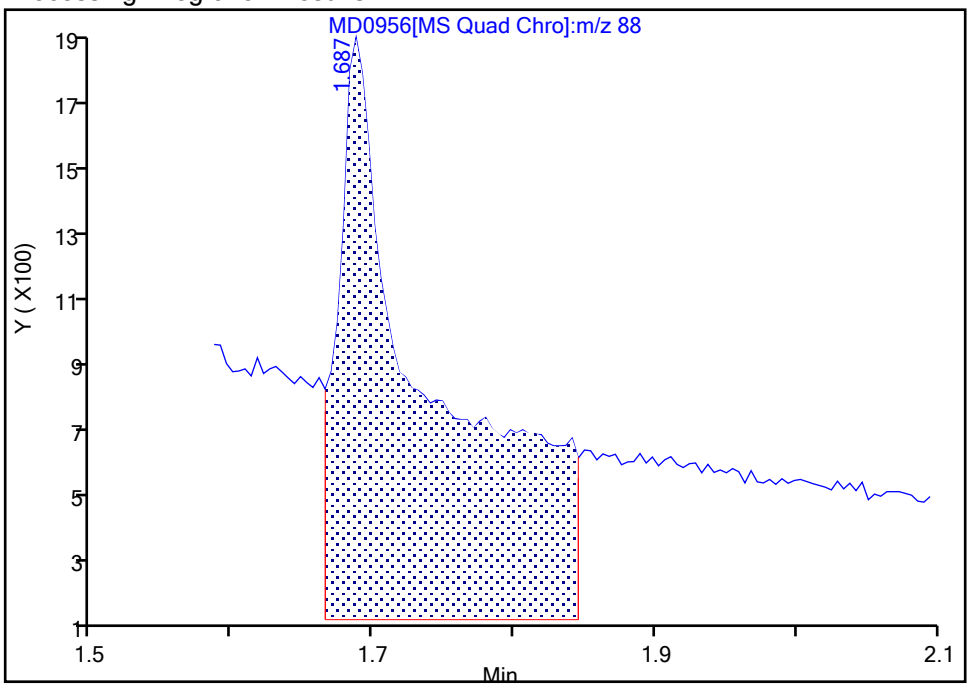
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D				
Injection Date:	25-Apr-2023 08:11:13	Instrument ID:	HP21585		
Lims ID:	IC L1				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

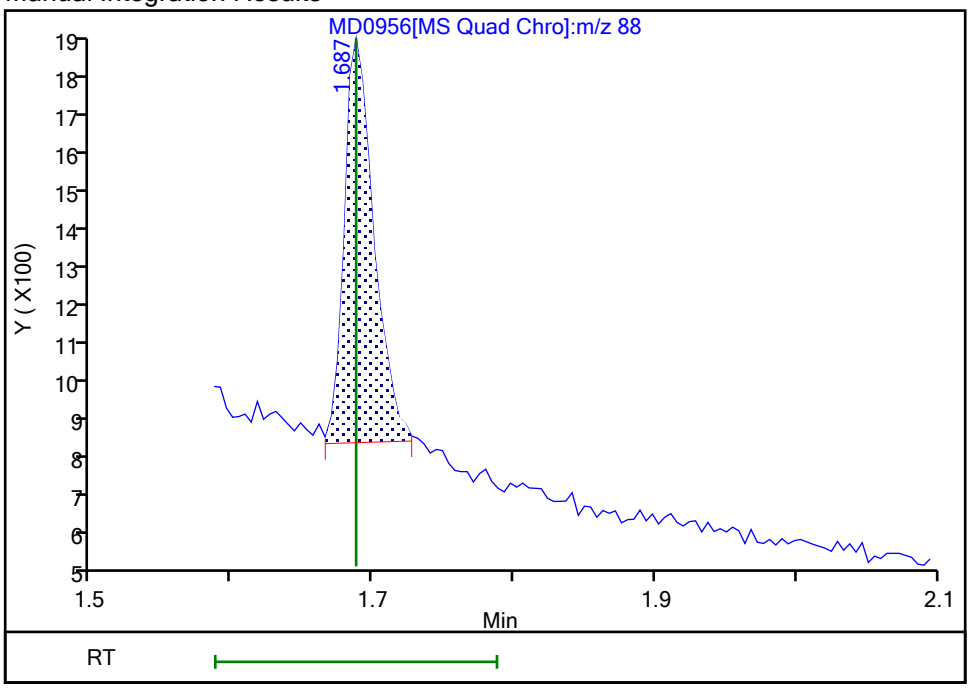
Processing Integration Results

RT: 1.69
Area: 7839
Amount: 0.033751
Amount Units: ug/ml



Manual Integration Results

RT: 1.69
Area: 1491
Amount: 0.011790
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 09:01:53
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

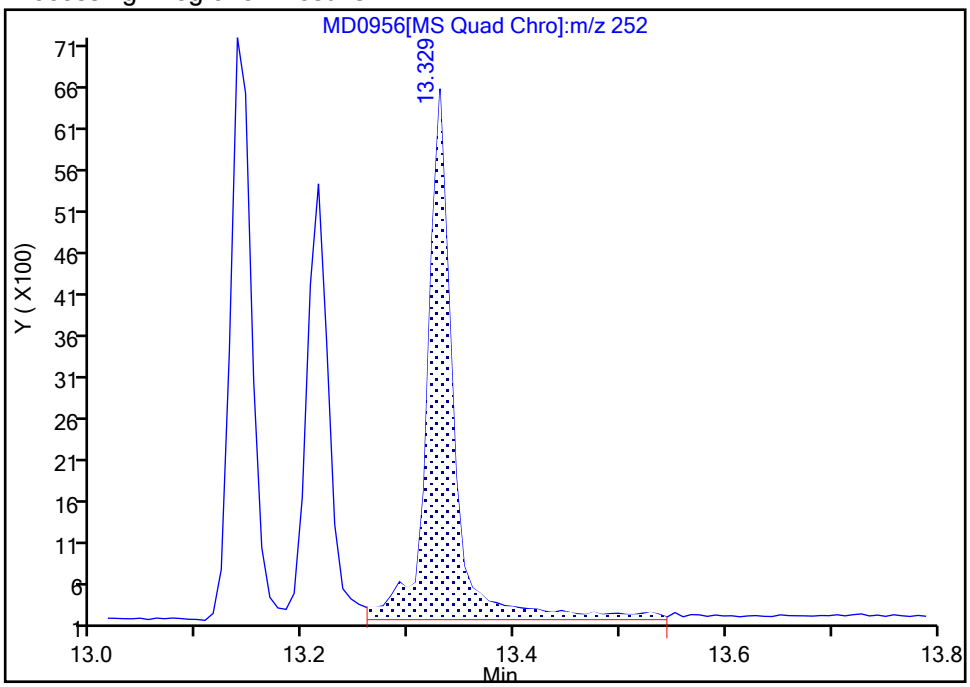
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D				
Injection Date:	25-Apr-2023 08:11:13	Instrument ID:	HP21585		
Lims ID:	IC L1				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

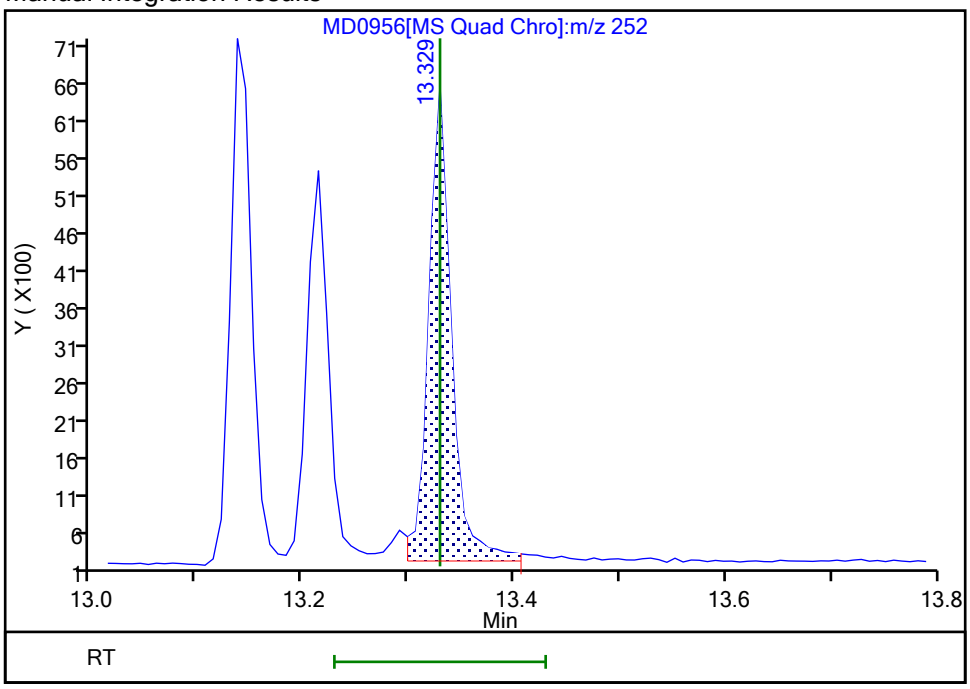
Processing Integration Results

RT: 13.33
Area: 10884
Amount: 0.005796
Amount Units: ug/ml



Manual Integration Results

RT: 13.33
Area: 9301
Amount: 0.012808
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 09:02:26
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

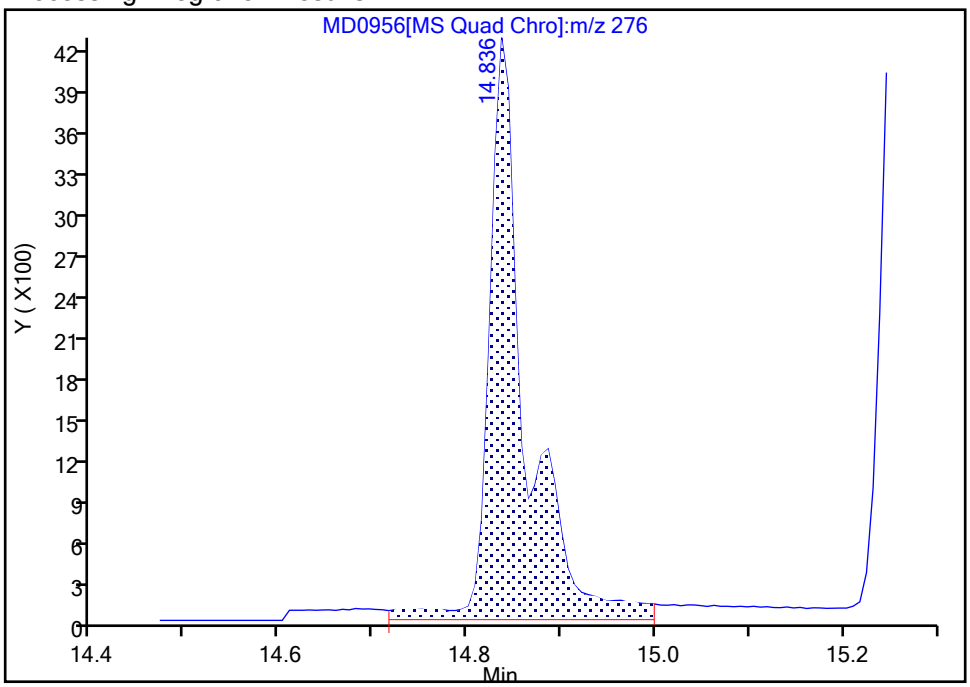
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D				
Injection Date:	25-Apr-2023 08:11:13	Instrument ID:	HP21585		
Lims ID:	IC L1				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

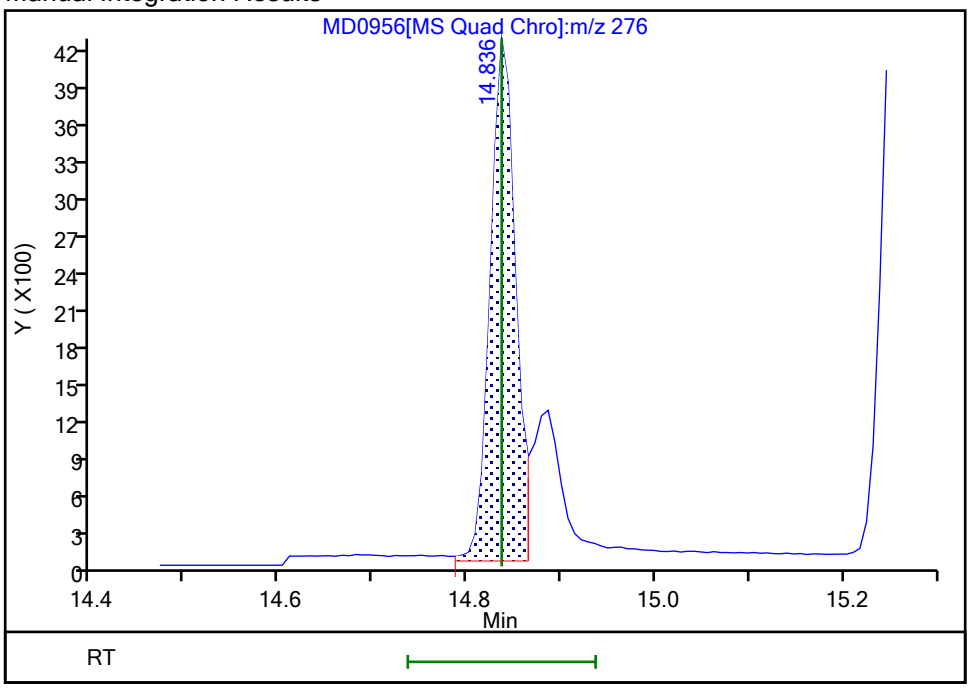
Processing Integration Results

RT: 14.84
Area: 11673
Amount: 0.010166
Amount Units: ug/ml



Manual Integration Results

RT: 14.84
Area: 7794
Amount: 0.013278
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 09:02:33
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

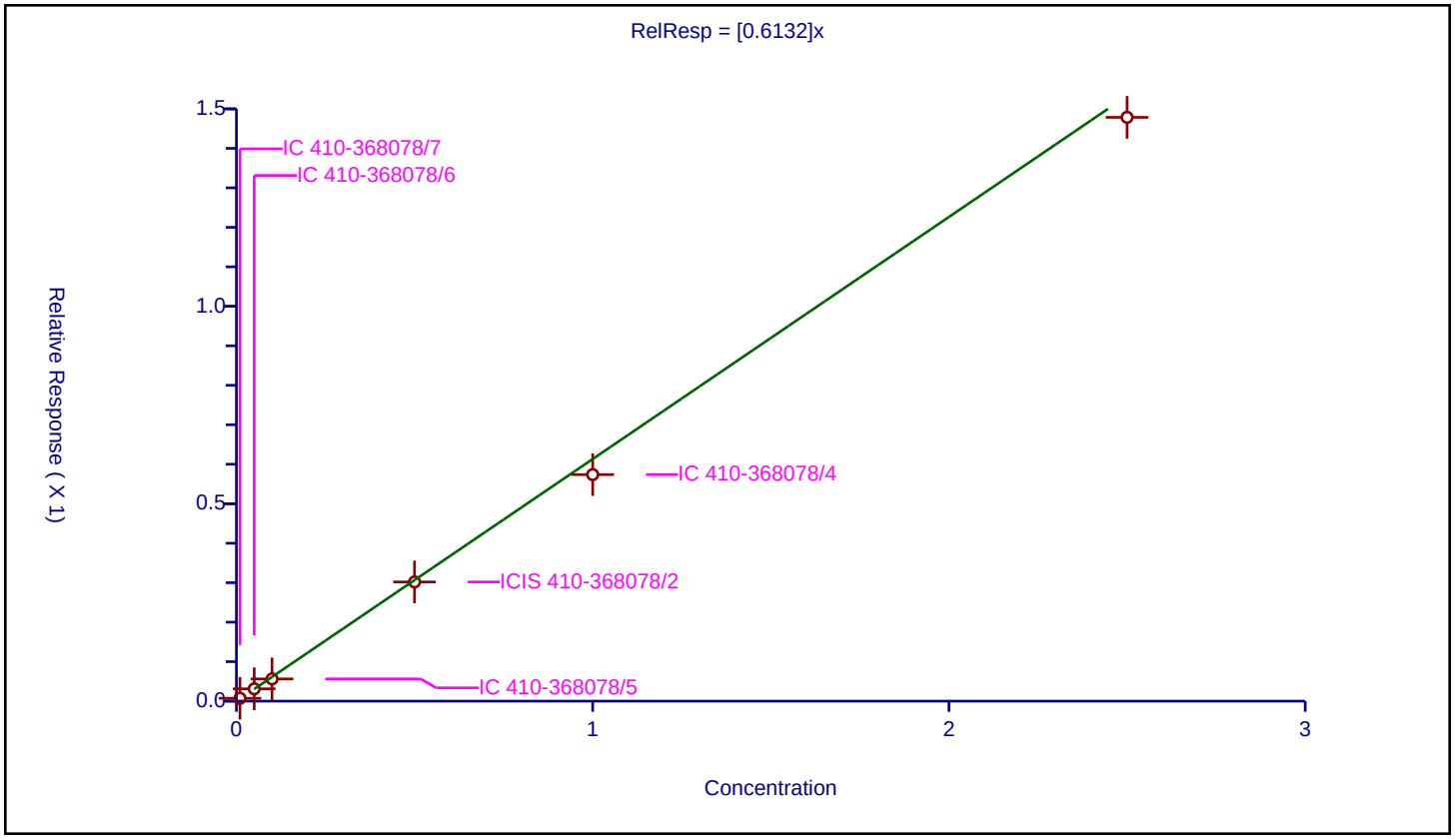
Curve Coefficients

Intercept:	0
Slope:	0.6132

Error Coefficients

Standard Error:	157000
Relative Standard Error:	9.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.007229	0.25	51561.0	0.72293	Y
2	IC 410-368078/6	0.05	0.031212	0.25	50382.0	0.624231	Y
3	IC 410-368078/5	0.1	0.056275	0.25	50213.0	0.562753	Y
4	ICIS 410-368078/2	0.5	0.301928	0.25	51750.0	0.603855	Y
5	IC 410-368078/4	1.0	0.573771	0.25	50179.0	0.573771	Y
6	IC 410-368078/3	2.5	1.478579	0.25	54981.0	0.591432	Y



Calibration / N-Nitrosodimethylamine

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

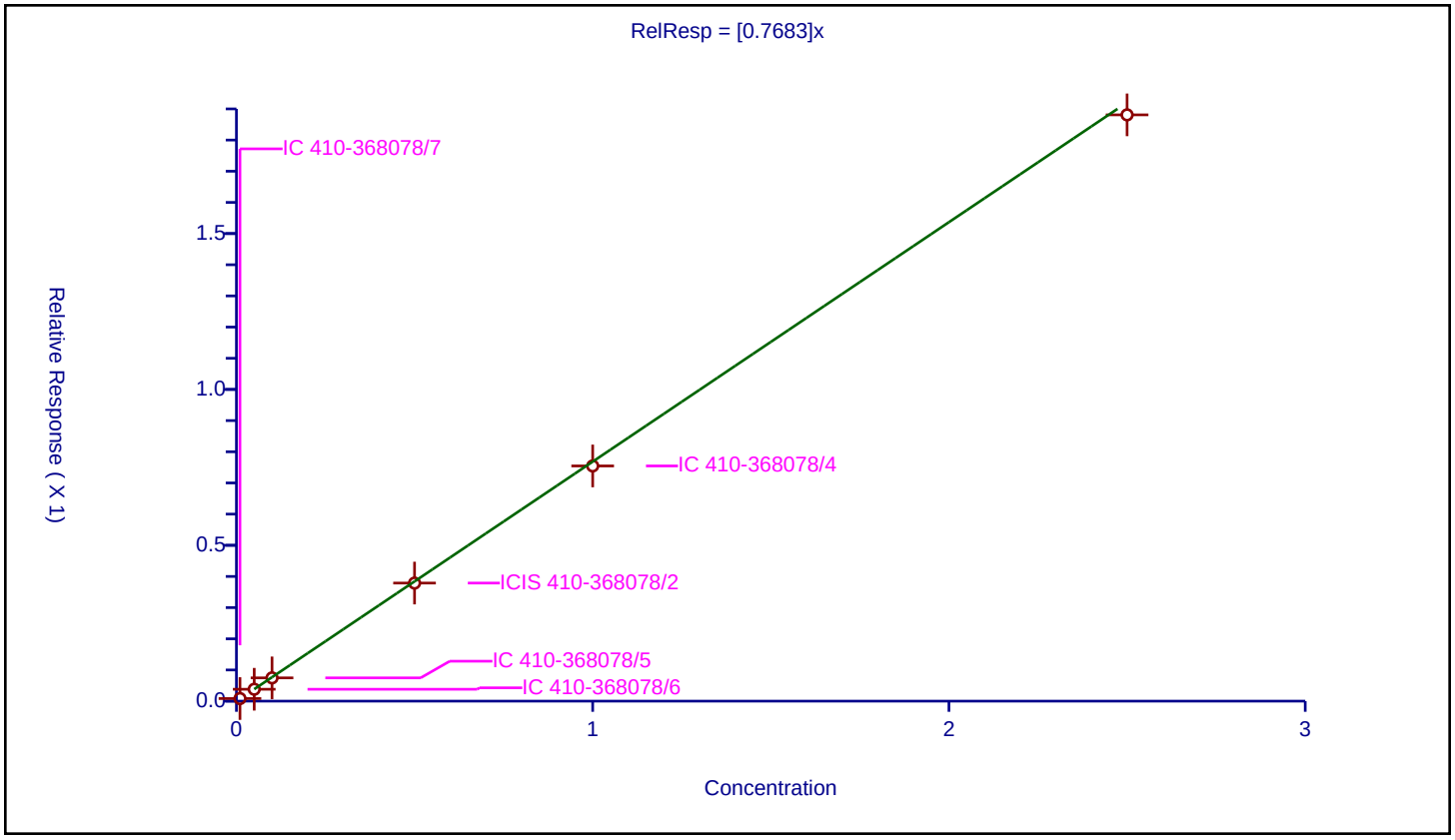
Curve Coefficients

Intercept:	0
Slope:	0.7683

Error Coefficients

Standard Error:	200000
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 410-368078/7	0.01	0.008349	0.25	51561.0	0.834933	Y
2	IC 410-368078/6	0.05	0.038188	0.25	50382.0	0.763765	Y
3	IC 410-368078/5	0.1	0.074662	0.25	50213.0	0.746619	Y
4	ICIS 410-368078/2	0.5	0.378778	0.25	51750.0	0.757556	Y
5	IC 410-368078/4	1.0	0.754484	0.25	50179.0	0.754484	Y
6	IC 410-368078/3	2.5	1.880822	0.25	54981.0	0.752329	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

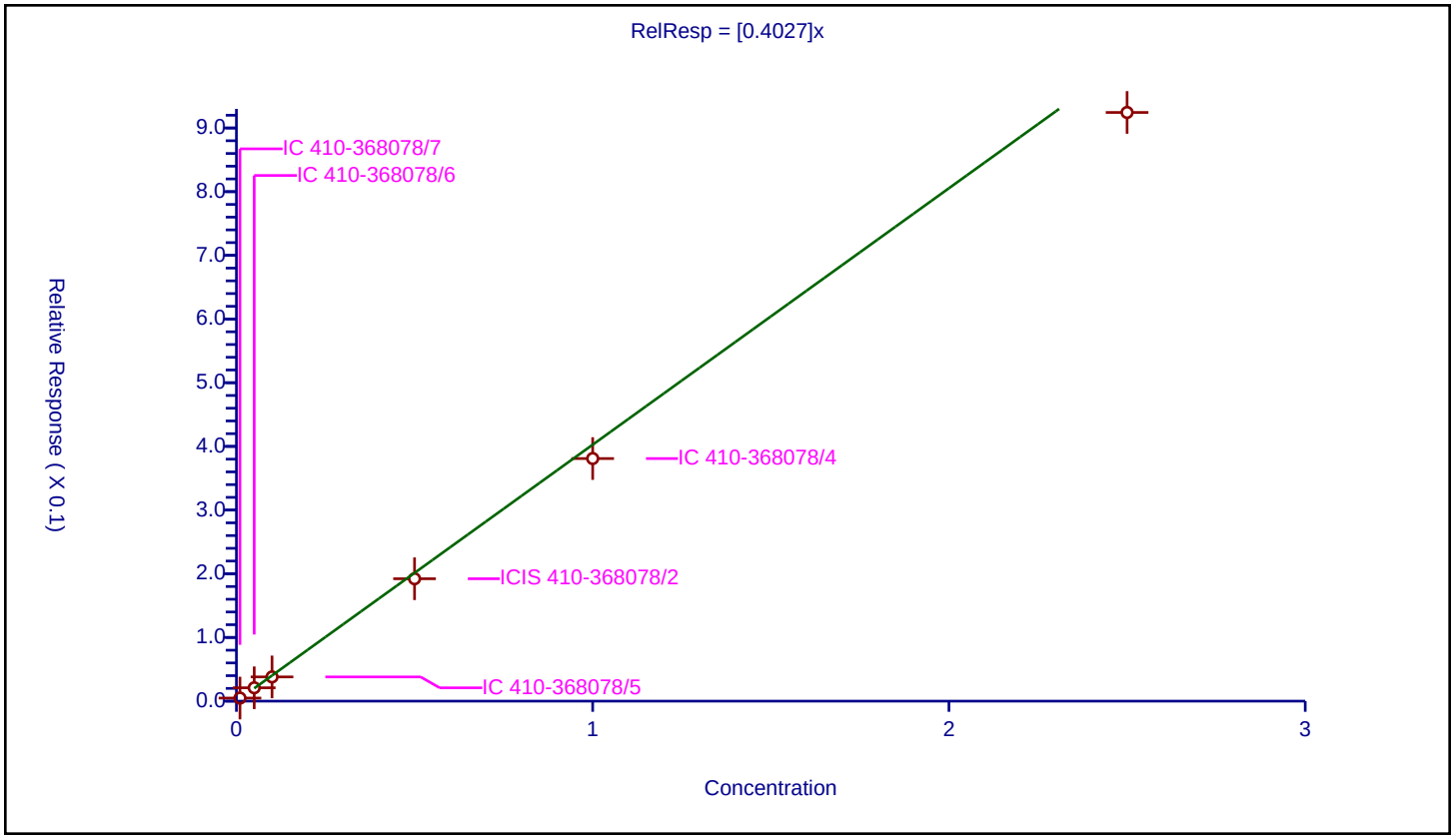
Curve Coefficients

Intercept:	0
Slope:	0.4027

Error Coefficients

Standard Error:	340000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.004816	0.25	174314.0	0.481602	Y
2	IC 410-368078/6	0.05	0.020959	0.25	171870.0	0.419183	Y
3	IC 410-368078/5	0.1	0.038037	0.25	168814.0	0.380374	Y
4	ICIS 410-368078/2	0.5	0.192188	0.25	179639.0	0.384376	Y
5	IC 410-368078/4	1.0	0.380944	0.25	174695.0	0.380944	Y
6	IC 410-368078/3	2.5	0.9244	0.25	188607.0	0.36976	Y



Calibration / Naphthalene

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

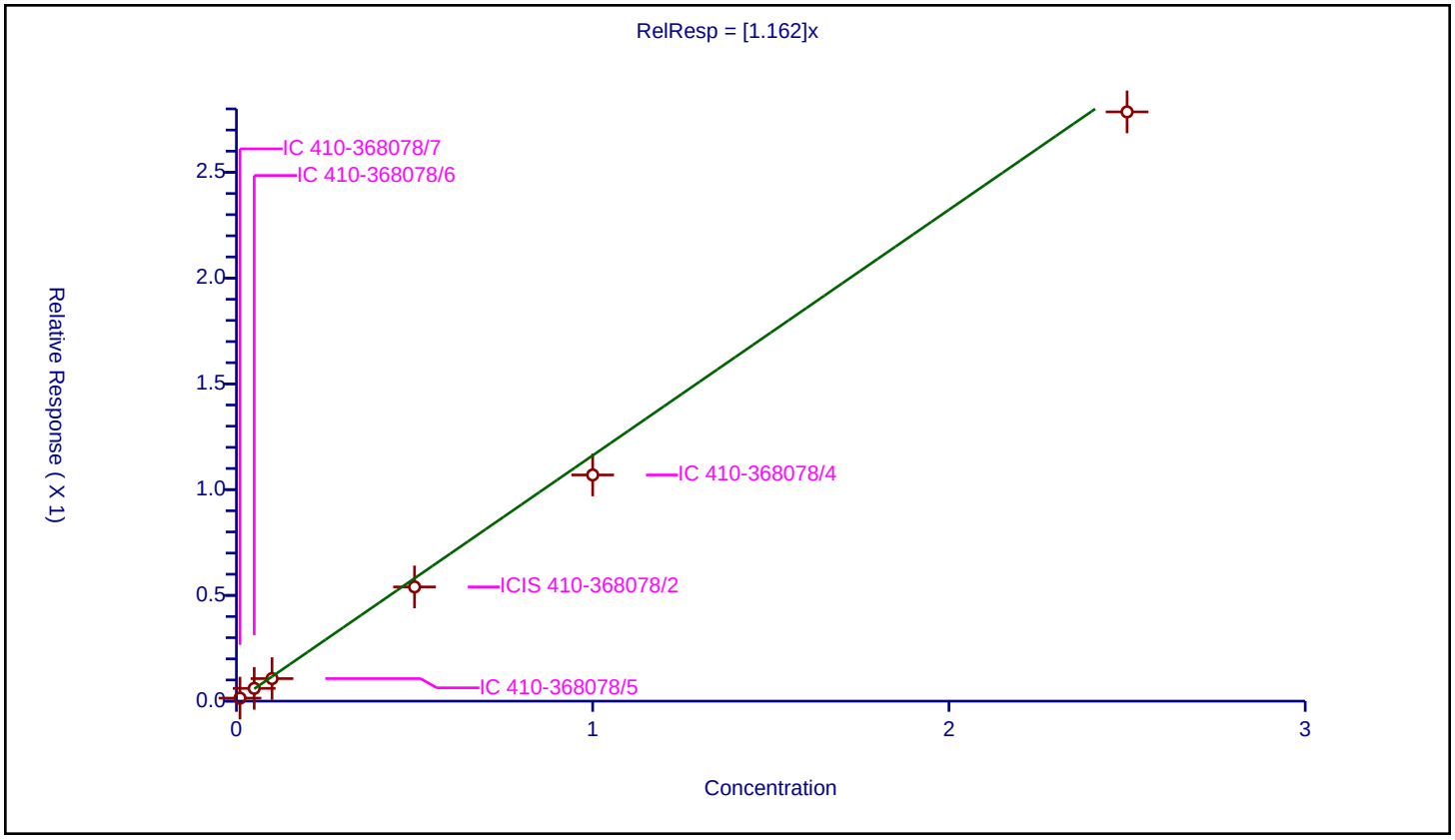
Curve Coefficients

Intercept:	0
Slope:	1.162

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	12.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.014313	0.25	174314.0	1.431325	Y
2	IC 410-368078/6	0.05	0.060405	0.25	171870.0	1.208093	Y
3	IC 410-368078/5	0.1	0.106645	0.25	168814.0	1.066455	Y
4	ICIS 410-368078/2	0.5	0.540004	0.25	179639.0	1.080008	Y
5	IC 410-368078/4	1.0	1.069312	0.25	174695.0	1.069312	Y
6	IC 410-368078/3	2.5	2.785726	0.25	188607.0	1.114291	Y



Calibration / Quinoline

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

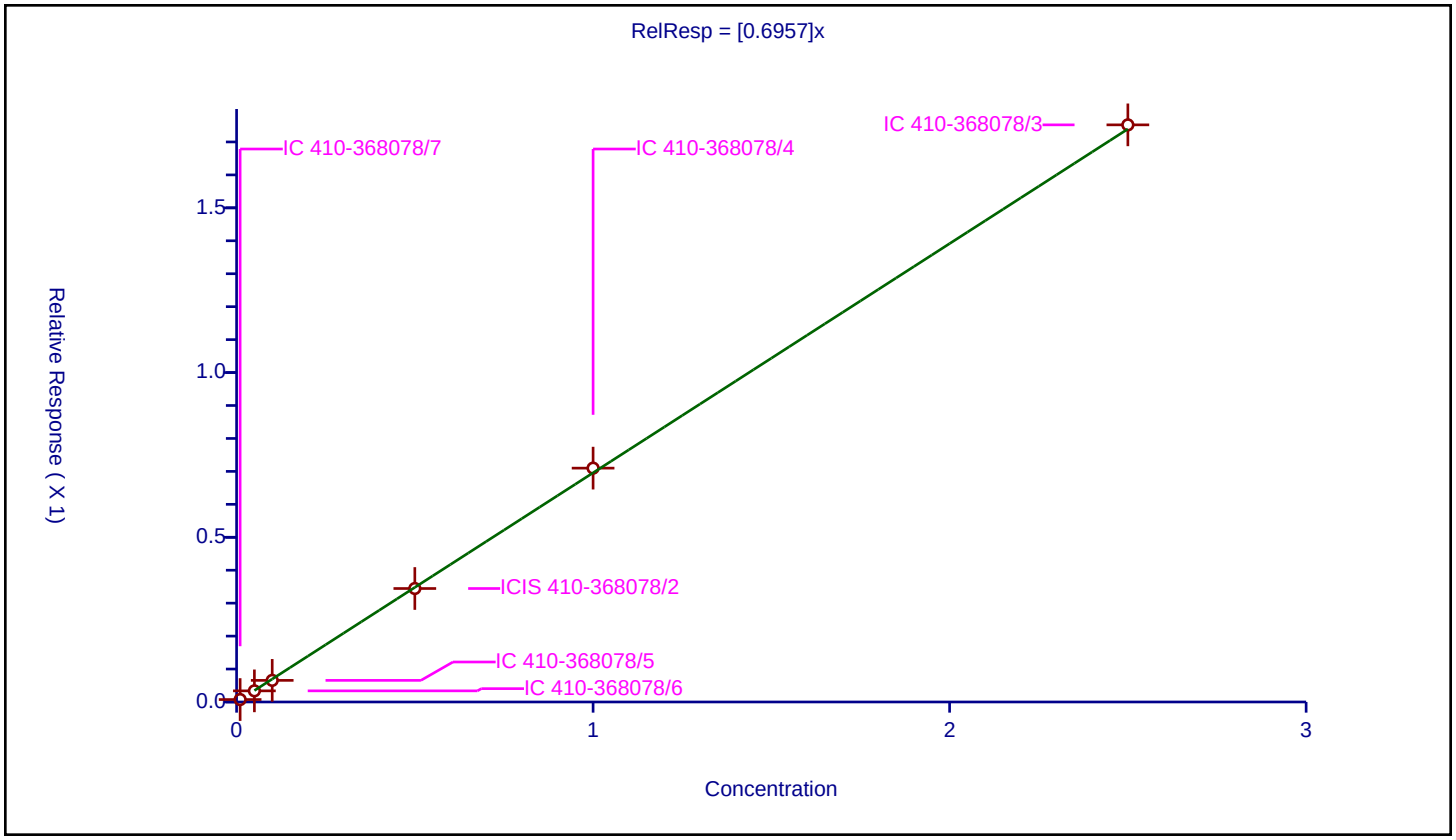
Curve Coefficients

Intercept:	0
Slope:	0.6957

Error Coefficients

Standard Error:	641000
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 410-368078/7	0.01	0.007433	0.25	174314.0	0.743342	Y
2	IC 410-368078/6	0.05	0.033768	0.25	171870.0	0.675365	Y
3	IC 410-368078/5	0.1	0.065611	0.25	168814.0	0.656107	Y
4	ICIS 410-368078/2	0.5	0.344453	0.25	179639.0	0.688907	Y
5	IC 410-368078/4	1.0	0.709843	0.25	174695.0	0.709843	Y
6	IC 410-368078/3	2.5	1.751876	0.25	188607.0	0.70075	Y



Calibration / 2-Methylnaphthalene

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

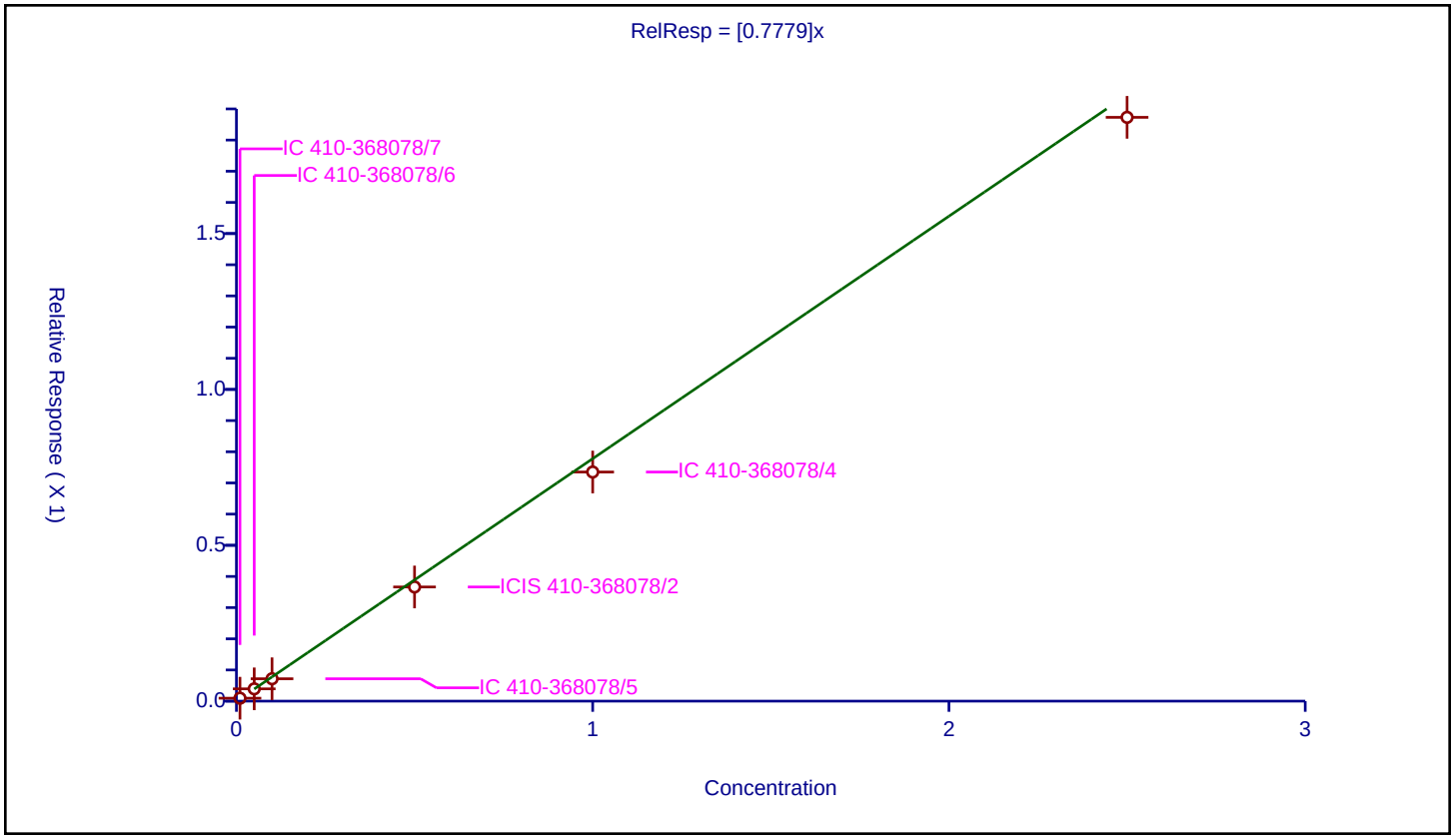
Curve Coefficients

Intercept:	0
Slope:	0.7779

Error Coefficients

Standard Error:	683000
Relative Standard Error:	10.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.009434	0.25	174314.0	0.943412	Y
2	IC 410-368078/6	0.05	0.039451	0.25	171870.0	0.789027	Y
3	IC 410-368078/5	0.1	0.071792	0.25	168814.0	0.71792	Y
4	ICIS 410-368078/2	0.5	0.366299	0.25	179639.0	0.732597	Y
5	IC 410-368078/4	1.0	0.735083	0.25	174695.0	0.735083	Y
6	IC 410-368078/3	2.5	1.872876	0.25	188607.0	0.74915	Y



Calibration / 1-Methylnaphthalene-d10

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

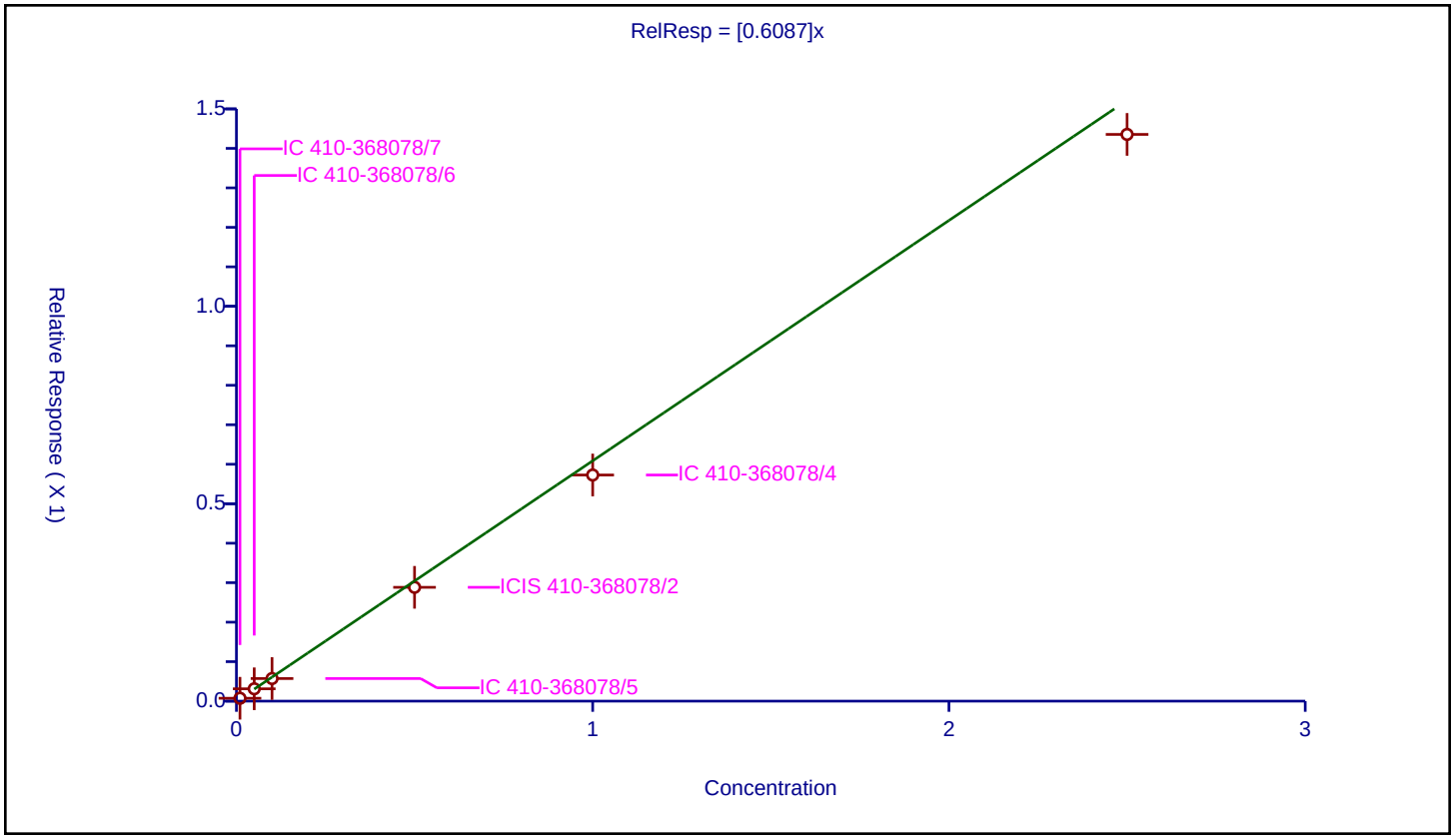
Curve Coefficients

Intercept:	0
Slope:	0.6087

Error Coefficients

Standard Error:	525000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.007304	0.25	174314.0	0.730435	Y
2	IC 410-368078/6	0.05	0.031282	0.25	171870.0	0.625647	Y
3	IC 410-368078/5	0.1	0.057269	0.25	168814.0	0.572687	Y
4	ICIS 410-368078/2	0.5	0.288306	0.25	179639.0	0.576612	Y
5	IC 410-368078/4	1.0	0.572721	0.25	174695.0	0.572721	Y
6	IC 410-368078/3	2.5	1.435403	0.25	188607.0	0.574161	Y



Calibration / 1-Methylnaphthalene

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

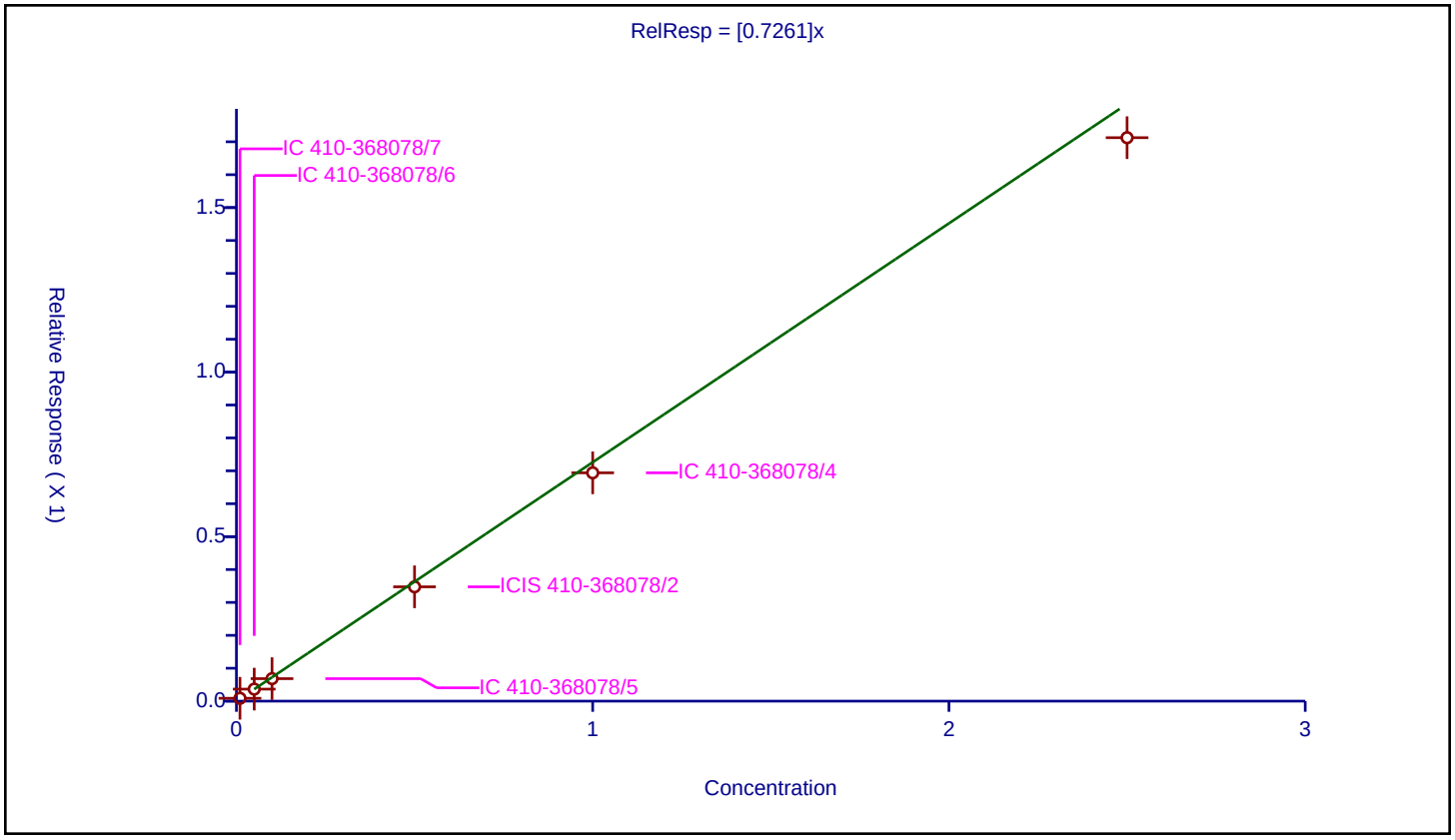
Curve Coefficients

Intercept:	0
Slope:	0.7261

Error Coefficients

Standard Error:	628000
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 410-368078/7	0.01	0.008678	0.25	174314.0	0.86783	Y
2	IC 410-368078/6	0.05	0.036544	0.25	171870.0	0.730872	Y
3	IC 410-368078/5	0.1	0.068379	0.25	168814.0	0.683785	Y
4	ICIS 410-368078/2	0.5	0.347468	0.25	179639.0	0.694935	Y
5	IC 410-368078/4	1.0	0.693892	0.25	174695.0	0.693892	Y
6	IC 410-368078/3	2.5	1.712485	0.25	188607.0	0.684994	Y



Calibration / Dimethyl phthalate

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

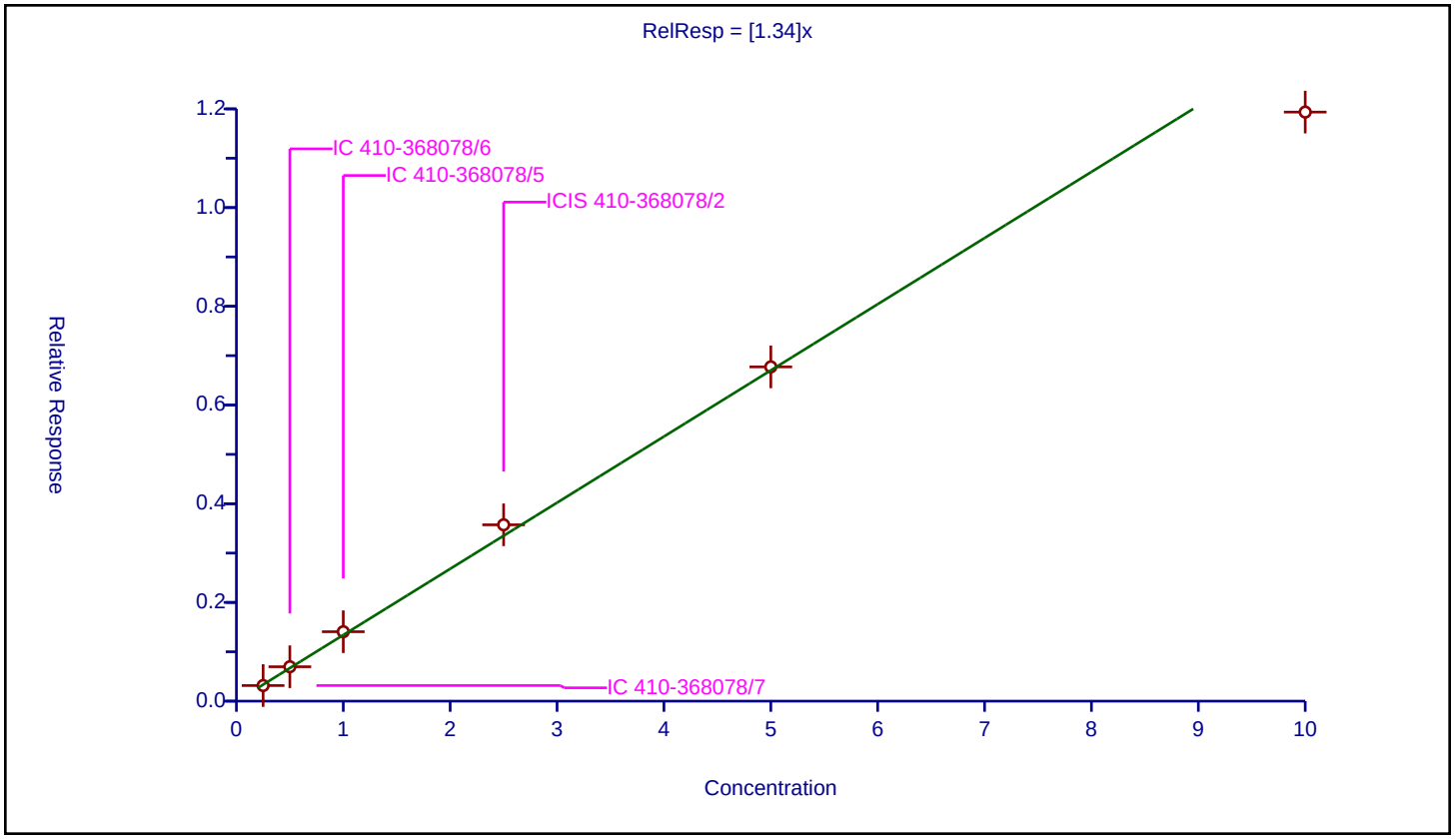
Curve Coefficients

Intercept:	0
Slope:	1.34

Error Coefficients

Standard Error:	2710000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.25	0.31606	0.25	92995.0	1.26424	Y
2	IC 410-368078/6	0.5	0.697201	0.25	96655.0	1.394403	Y
3	IC 410-368078/5	1.0	1.406703	0.25	95421.0	1.406703	Y
4	ICIS 410-368078/2	2.5	3.57288	0.25	99410.0	1.429152	Y
5	IC 410-368078/4	5.0	6.773093	0.25	99262.0	1.354619	Y
6	IC 410-368078/3	10.0	11.935445	0.25	108884.0	1.193545	Y



Calibration / Acenaphthylene

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

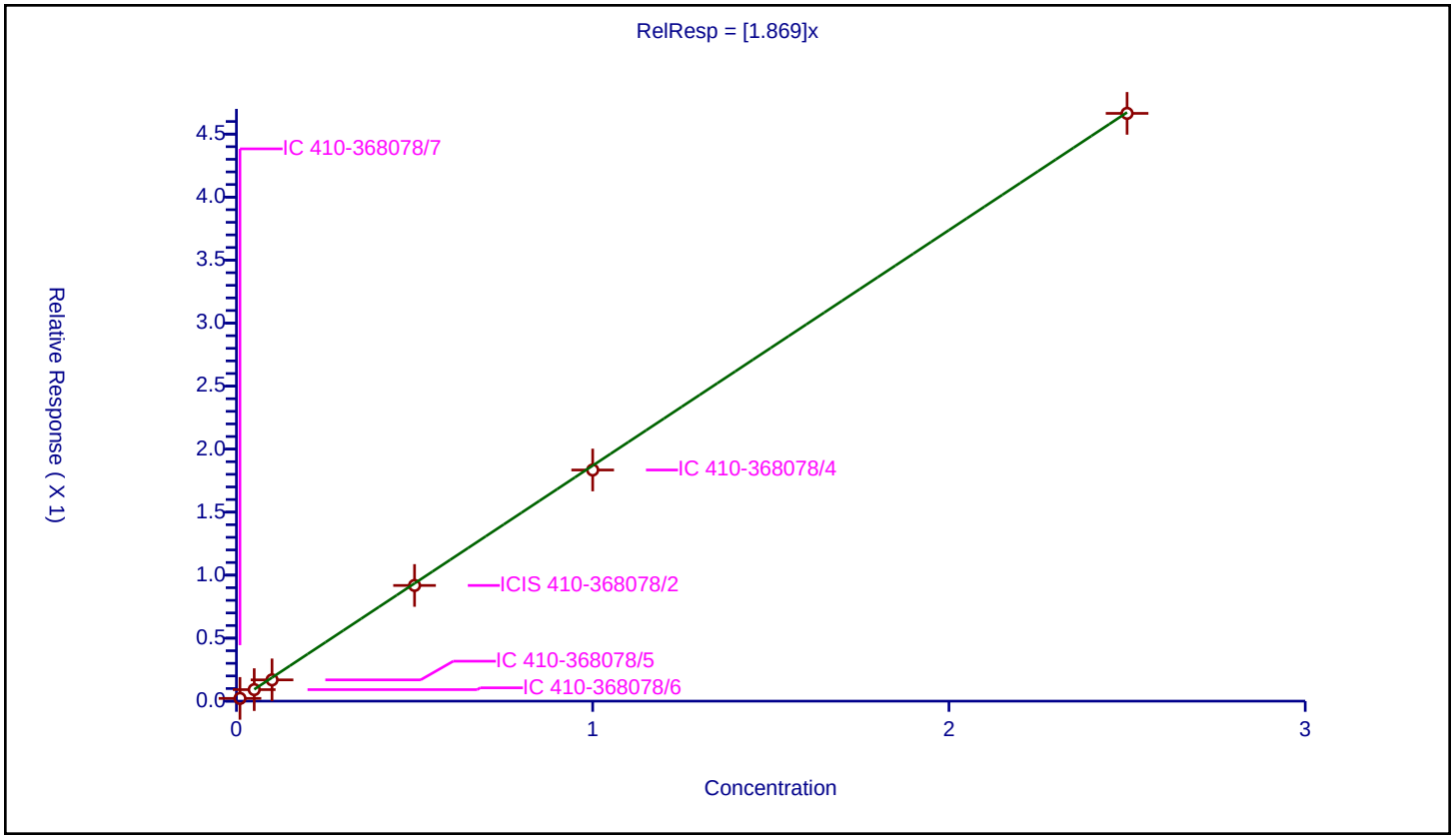
Curve Coefficients

Intercept:	0
Slope:	1.869

Error Coefficients

Standard Error:	979000
Relative Standard Error:	8.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.021611	0.25	92995.0	2.161138	Y
2	IC 410-368078/6	0.05	0.09141	0.25	96655.0	1.828203	Y
3	IC 410-368078/5	0.1	0.168789	0.25	95421.0	1.687888	Y
4	ICIS 410-368078/2	0.5	0.918024	0.25	99410.0	1.836048	Y
5	IC 410-368078/4	1.0	1.83434	0.25	99262.0	1.83434	Y
6	IC 410-368078/3	2.5	4.664441	0.25	108884.0	1.865776	Y



Calibration / Acenaphthene

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

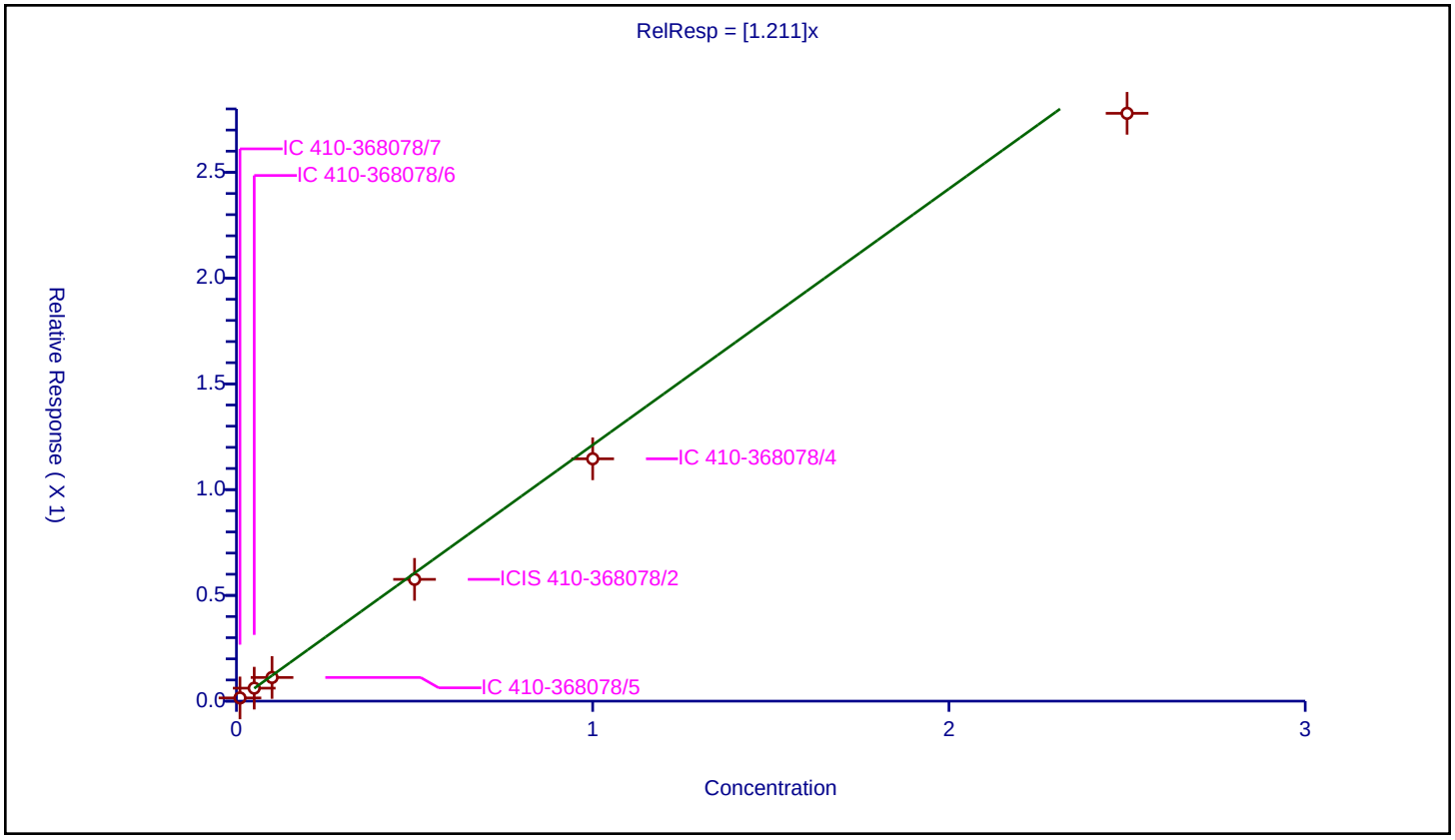
Curve Coefficients

Intercept:	0
Slope:	1.211

Error Coefficients

Standard Error:	588000
Relative Standard Error:	12.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.015124	0.25	92995.0	1.512447	Y
2	IC 410-368078/6	0.05	0.061324	0.25	96655.0	1.226476	Y
3	IC 410-368078/5	0.1	0.111852	0.25	95421.0	1.118517	Y
4	ICIS 410-368078/2	0.5	0.575782	0.25	99410.0	1.151564	Y
5	IC 410-368078/4	1.0	1.14567	0.25	99262.0	1.14567	Y
6	IC 410-368078/3	2.5	2.7791	0.25	108884.0	1.11164	Y



Calibration / Dibenzofuran

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

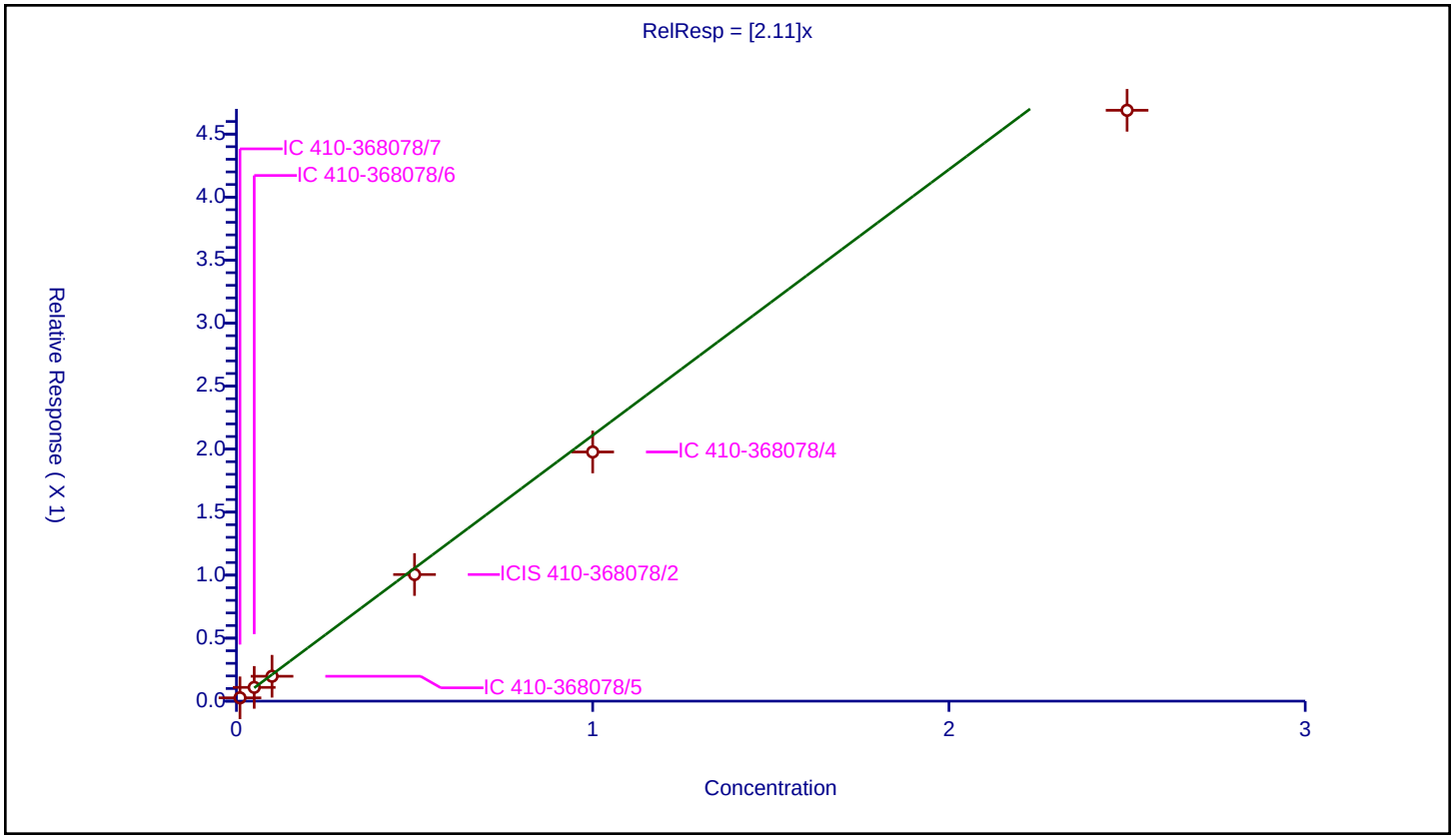
Curve Coefficients

Intercept:	0
Slope:	2.11

Error Coefficients

Standard Error:	995000
Relative Standard Error:	13.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.02634	0.25	92995.0	2.634013	Y
2	IC 410-368078/6	0.05	0.10927	0.25	96655.0	2.185402	Y
3	IC 410-368078/5	0.1	0.197572	0.25	95421.0	1.975718	Y
4	ICIS 410-368078/2	0.5	1.004864	0.25	99410.0	2.009727	Y
5	IC 410-368078/4	1.0	1.977315	0.25	99262.0	1.977315	Y
6	IC 410-368078/3	2.5	4.688841	0.25	108884.0	1.875536	Y



Calibration / Diethyl phthalate

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

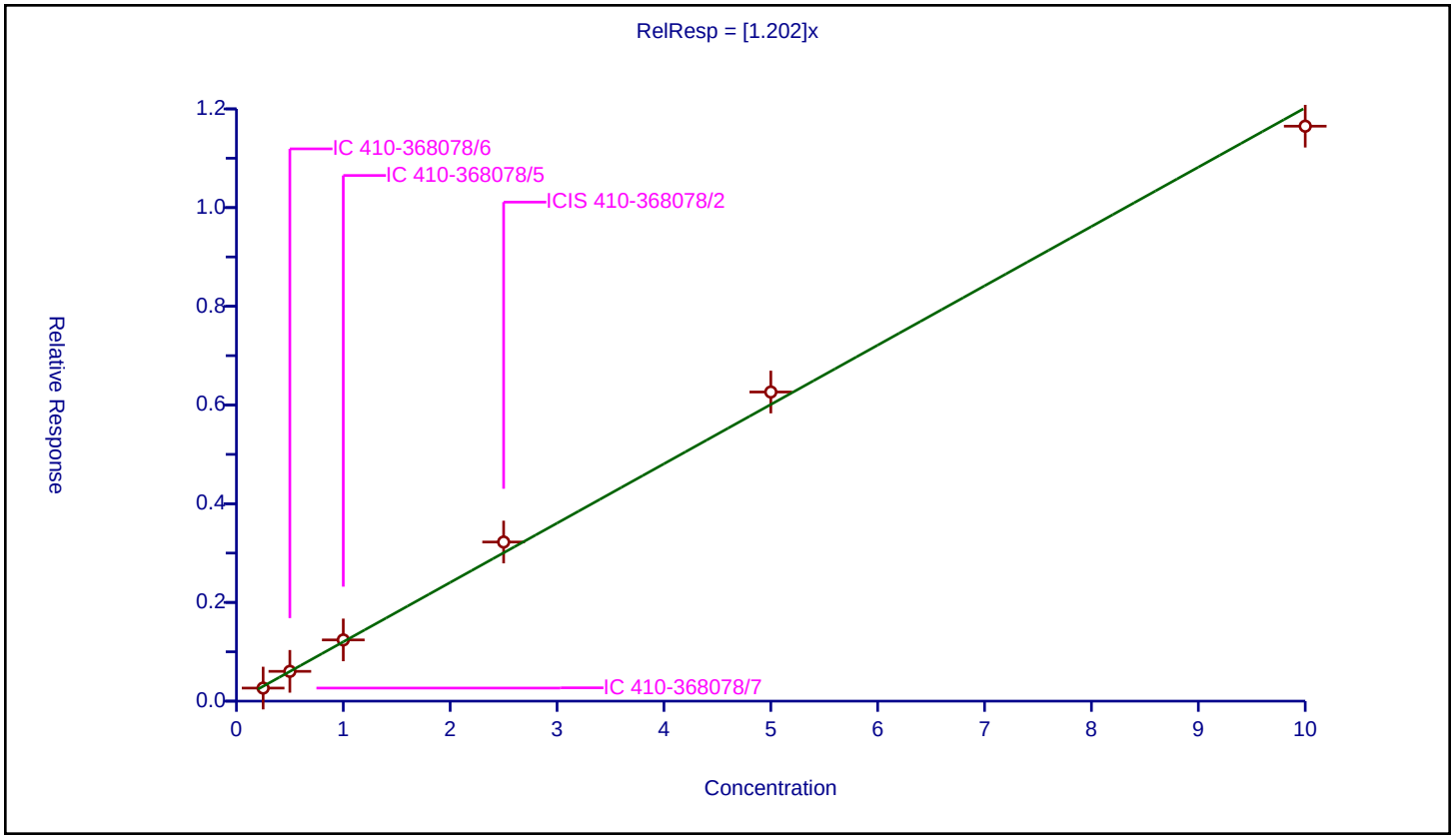
Curve Coefficients

Intercept:	0
Slope:	1.202

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.25	0.264479	0.25	92995.0	1.057917	Y
2	IC 410-368078/6	0.5	0.603745	0.25	96655.0	1.207491	Y
3	IC 410-368078/5	1.0	1.240146	0.25	95421.0	1.240146	Y
4	ICIS 410-368078/2	2.5	3.22412	0.25	99410.0	1.289648	Y
5	IC 410-368078/4	5.0	6.26355	0.25	99262.0	1.25271	Y
6	IC 410-368078/3	10.0	11.649503	0.25	108884.0	1.16495	Y



Calibration / Fluorene

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

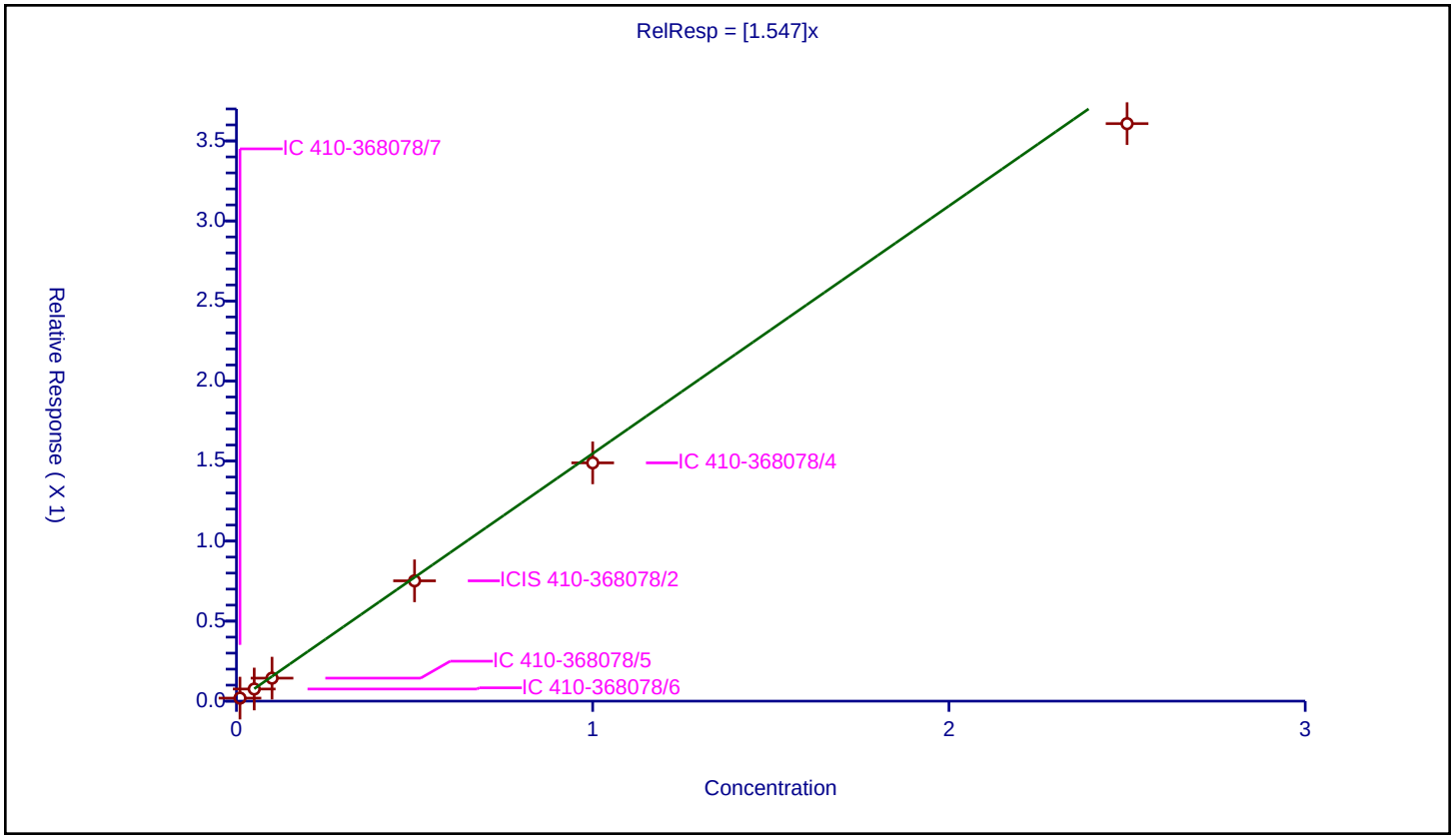
Curve Coefficients

Intercept:	0
Slope:	1.547

Error Coefficients

Standard Error:	763000
Relative Standard Error:	11.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.018918	0.25	92995.0	1.891768	Y
2	IC 410-368078/6	0.05	0.075826	0.25	96655.0	1.516528	Y
3	IC 410-368078/5	0.1	0.143708	0.25	95421.0	1.437079	Y
4	ICIS 410-368078/2	0.5	0.751607	0.25	99410.0	1.503214	Y
5	IC 410-368078/4	1.0	1.488687	0.25	99262.0	1.488687	Y
6	IC 410-368078/3	2.5	3.608055	0.25	108884.0	1.443222	Y



Calibration / N-Nitrosodiphenylamine

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

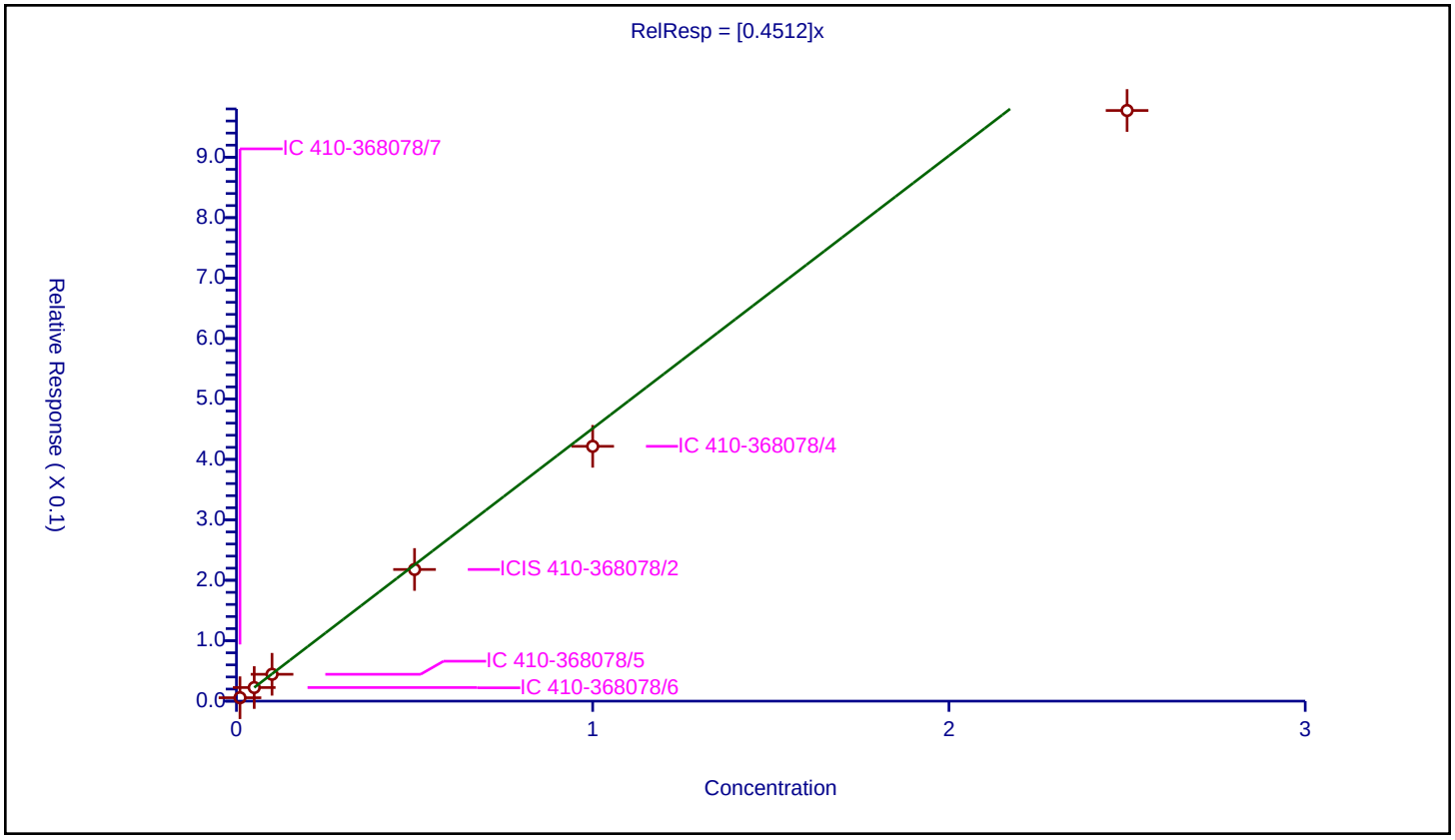
Curve Coefficients

Intercept:	0
Slope:	0.4512

Error Coefficients

Standard Error:	406000
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 410-368078/7	0.01	0.005649	0.25	175600.0	0.56492	Y
2	IC 410-368078/6	0.05	0.022491	0.25	180915.0	0.449825	Y
3	IC 410-368078/5	0.1	0.044444	0.25	186160.0	0.444443	Y
4	ICIS 410-368078/2	0.5	0.21787	0.25	191334.0	0.435741	Y
5	IC 410-368078/4	1.0	0.421633	0.25	191606.0	0.421633	Y
6	IC 410-368078/3	2.5	0.97734	0.25	212557.0	0.390936	Y



Calibration / Hexachlorobenzene

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

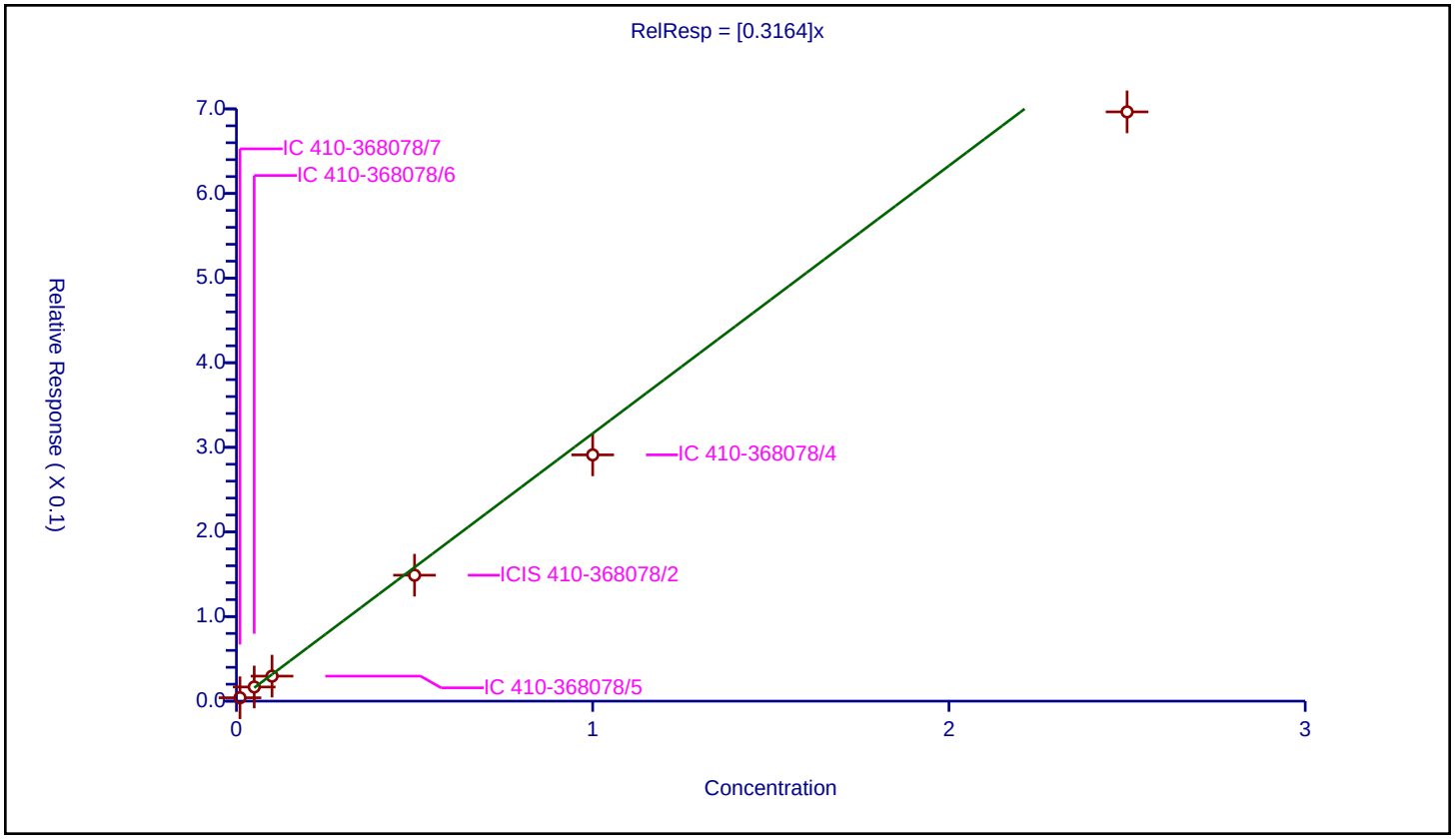
Curve Coefficients

Intercept:	0
Slope:	0.3164

Error Coefficients

Standard Error:	288000
Relative Standard Error:	14.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.004003	0.25	175600.0	0.400342	Y
2	IC 410-368078/6	0.05	0.016745	0.25	180915.0	0.334909	Y
3	IC 410-368078/5	0.1	0.029573	0.25	186160.0	0.295727	Y
4	ICIS 410-368078/2	0.5	0.148855	0.25	191334.0	0.29771	Y
5	IC 410-368078/4	1.0	0.291073	0.25	191606.0	0.291073	Y
6	IC 410-368078/3	2.5	0.69646	0.25	212557.0	0.278584	Y



Calibration / Phenanthrene

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

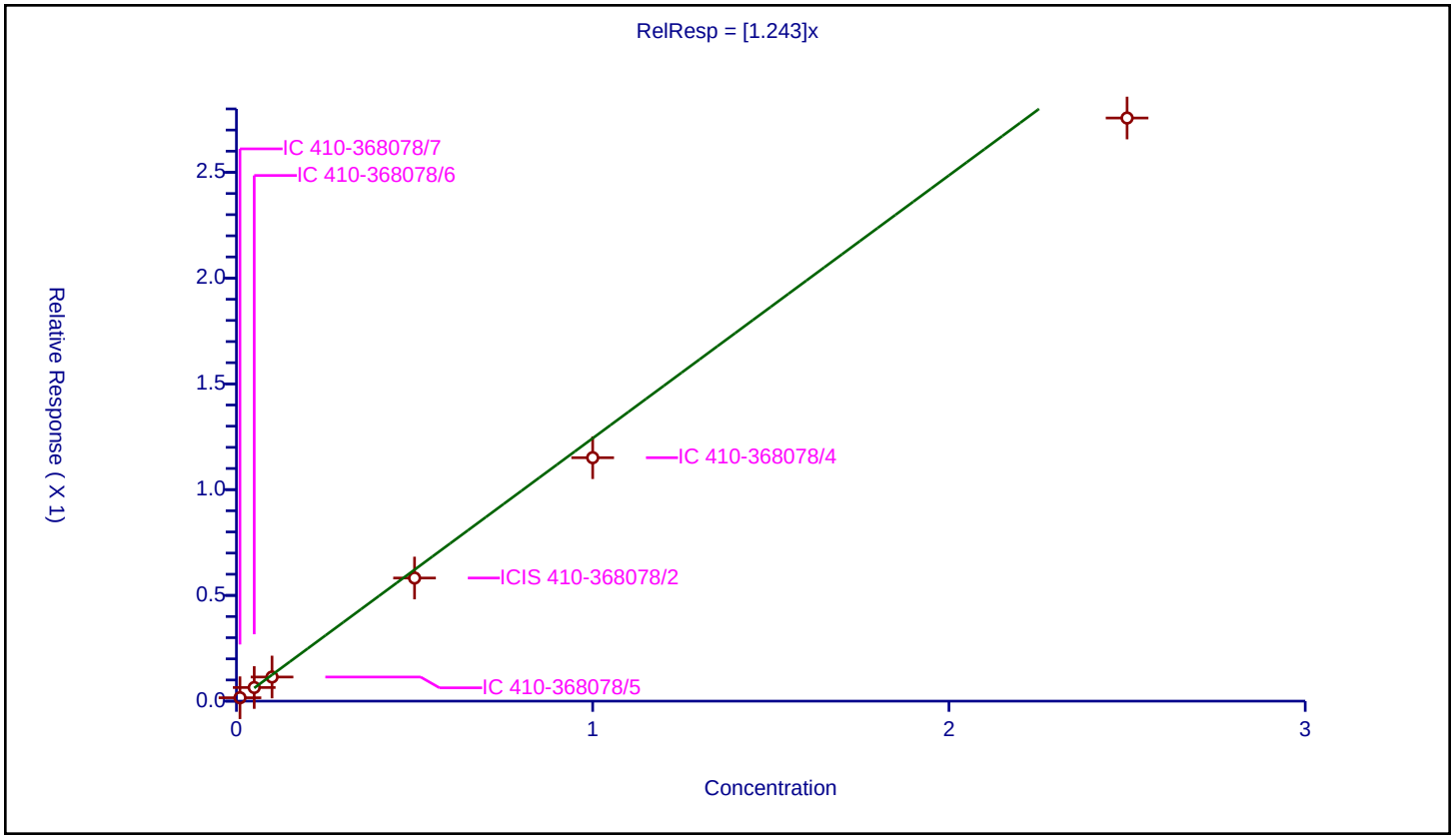
Curve Coefficients

Intercept:	0
Slope:	1.243

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	15.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.016115	0.25	175600.0	1.611475	Y
2	IC 410-368078/6	0.05	0.064358	0.25	180915.0	1.287151	Y
3	IC 410-368078/5	0.1	0.11405	0.25	186160.0	1.140497	Y
4	ICIS 410-368078/2	0.5	0.582018	0.25	191334.0	1.164035	Y
5	IC 410-368078/4	1.0	1.150944	0.25	191606.0	1.150944	Y
6	IC 410-368078/3	2.5	2.756962	0.25	212557.0	1.102785	Y



Calibration / Anthracene

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

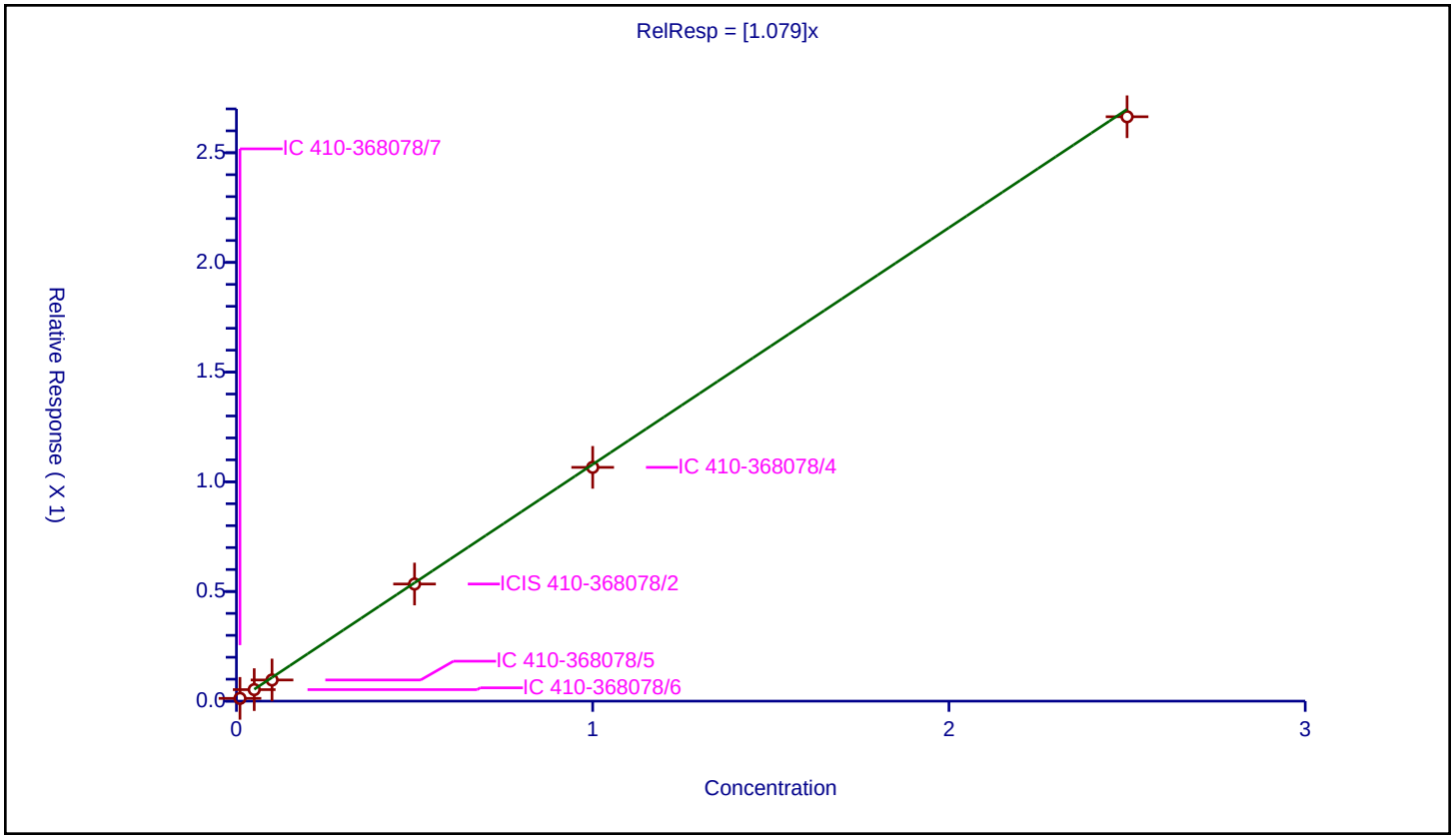
Curve Coefficients

Intercept:	0
Slope:	1.079

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	9.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.01261	0.25	175600.0	1.260962	Y
2	IC 410-368078/6	0.05	0.052496	0.25	180915.0	1.049913	Y
3	IC 410-368078/5	0.1	0.096482	0.25	186160.0	0.964815	Y
4	ICIS 410-368078/2	0.5	0.533913	0.25	191334.0	1.067826	Y
5	IC 410-368078/4	1.0	1.065746	0.25	191606.0	1.065746	Y
6	IC 410-368078/3	2.5	2.664122	0.25	212557.0	1.065649	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

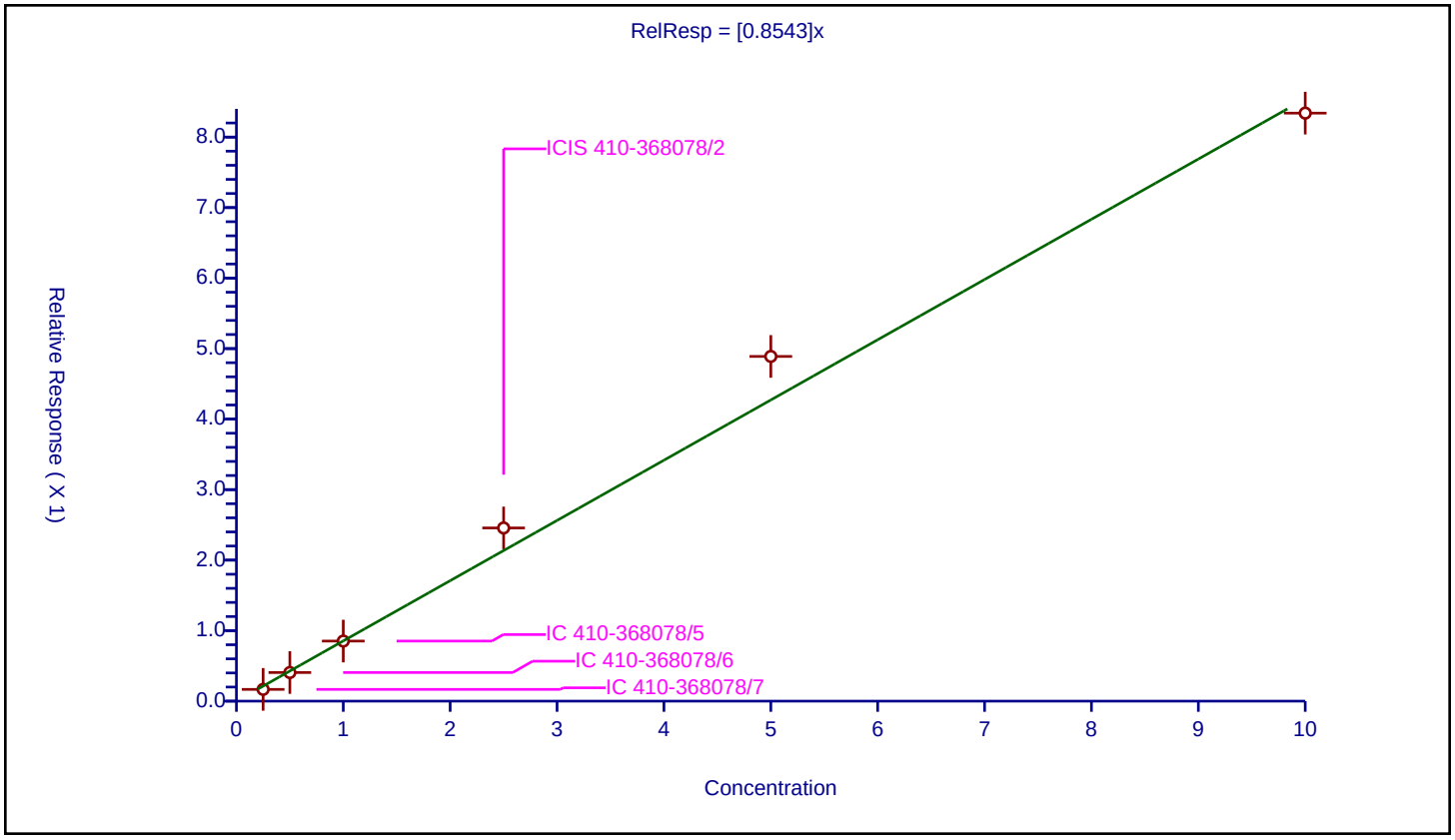
Curve Coefficients

Intercept:	0
Slope:	0.8543

Error Coefficients

Standard Error:	3700000
Relative Standard Error:	13.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.25	0.166828	0.25	175600.0	0.667312	Y
2	IC 410-368078/6	0.5	0.405899	0.25	180915.0	0.811798	Y
3	IC 410-368078/5	1.0	0.852151	0.25	186160.0	0.852151	Y
4	ICIS 410-368078/2	2.5	2.456551	0.25	191334.0	0.98262	Y
5	IC 410-368078/4	5.0	4.888966	0.25	191606.0	0.977793	Y
6	IC 410-368078/3	10.0	8.339848	0.25	212557.0	0.833985	Y



Calibration / Fluoranthene-d10 (Surr)

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

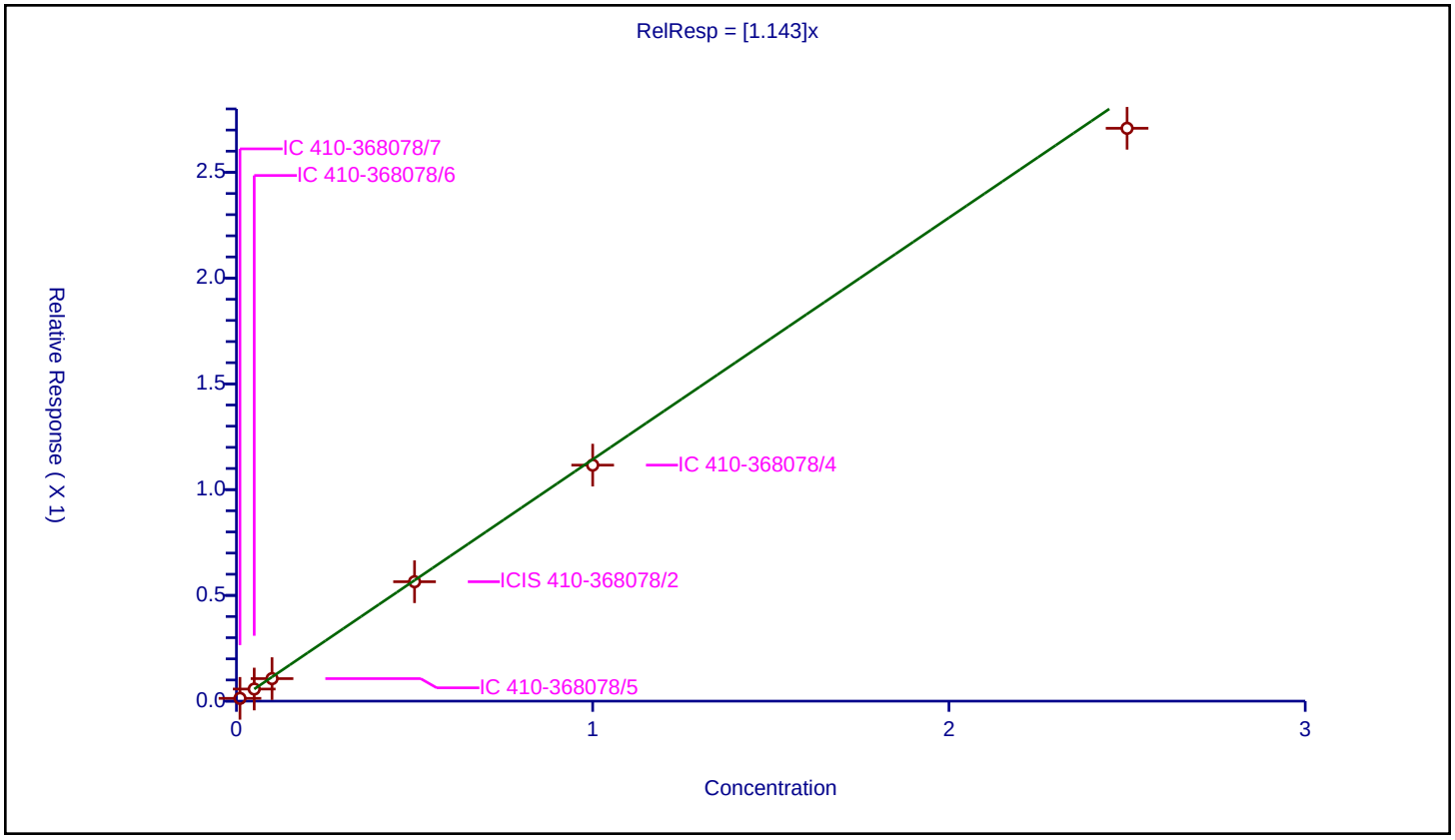
Curve Coefficients

Intercept:	0
Slope:	1.143

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	8.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.01319	0.25	175600.0	1.319049	Y
2	IC 410-368078/6	0.05	0.057211	0.25	180915.0	1.144211	Y
3	IC 410-368078/5	0.1	0.106488	0.25	186160.0	1.064877	Y
4	ICIS 410-368078/2	0.5	0.564565	0.25	191334.0	1.12913	Y
5	IC 410-368078/4	1.0	1.115804	0.25	191606.0	1.115804	Y
6	IC 410-368078/3	2.5	2.708301	0.25	212557.0	1.08332	Y



Calibration / Fluoranthene

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

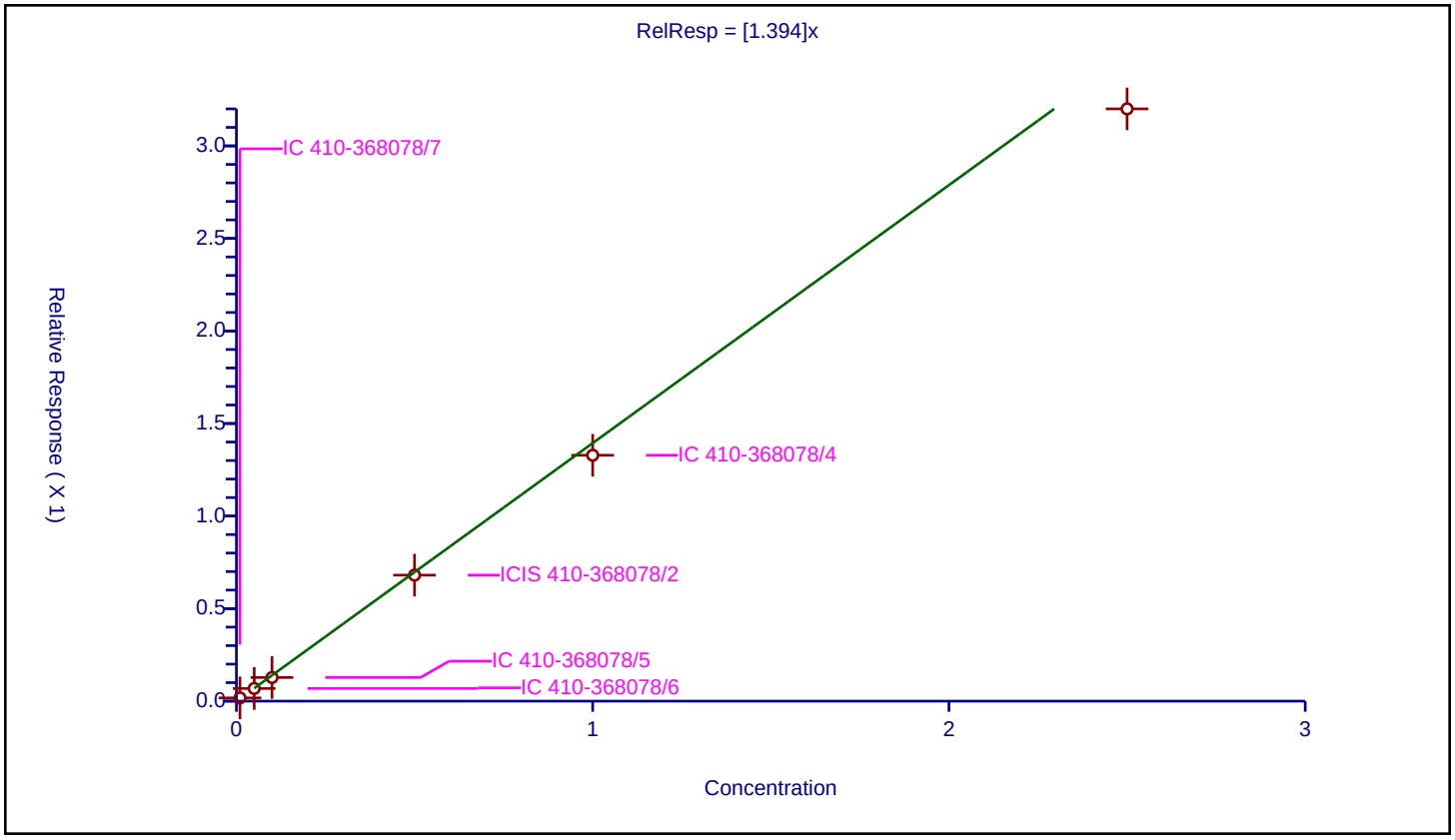
Curve Coefficients

Intercept:	0
Slope:	1.394

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	12.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.017473	0.25	175600.0	1.747295	Y
2	IC 410-368078/6	0.05	0.068478	0.25	180915.0	1.369566	Y
3	IC 410-368078/5	0.1	0.127715	0.25	186160.0	1.277154	Y
4	ICIS 410-368078/2	0.5	0.68079	0.25	191334.0	1.36158	Y
5	IC 410-368078/4	1.0	1.328656	0.25	191606.0	1.328656	Y
6	IC 410-368078/3	2.5	3.199998	0.25	212557.0	1.279999	Y



Calibration / Pyrene

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

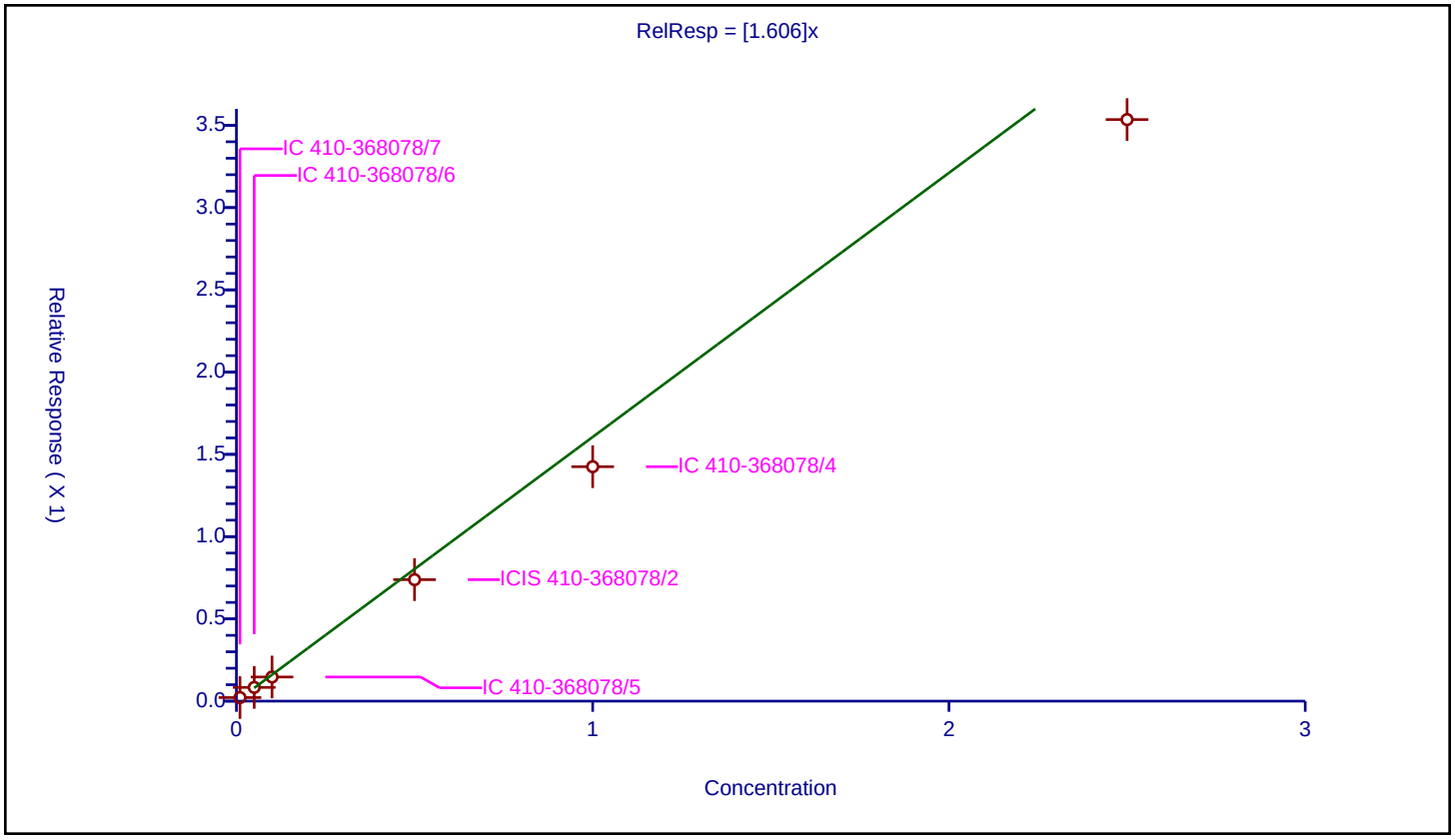
Curve Coefficients

Intercept:	0
Slope:	1.606

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	18.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.951

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.02181	0.25	146988.0	2.18096	Y
2	IC 410-368078/6	0.05	0.08345	0.25	156558.0	1.668998	Y
3	IC 410-368078/5	0.1	0.146713	0.25	168749.0	1.467135	Y
4	ICIS 410-368078/2	0.5	0.738478	0.25	180257.0	1.476955	Y
5	IC 410-368078/4	1.0	1.425124	0.25	186583.0	1.425124	Y
6	IC 410-368078/3	2.5	3.53501	0.25	202625.0	1.414004	Y



Calibration / Butyl benzyl phthalate

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

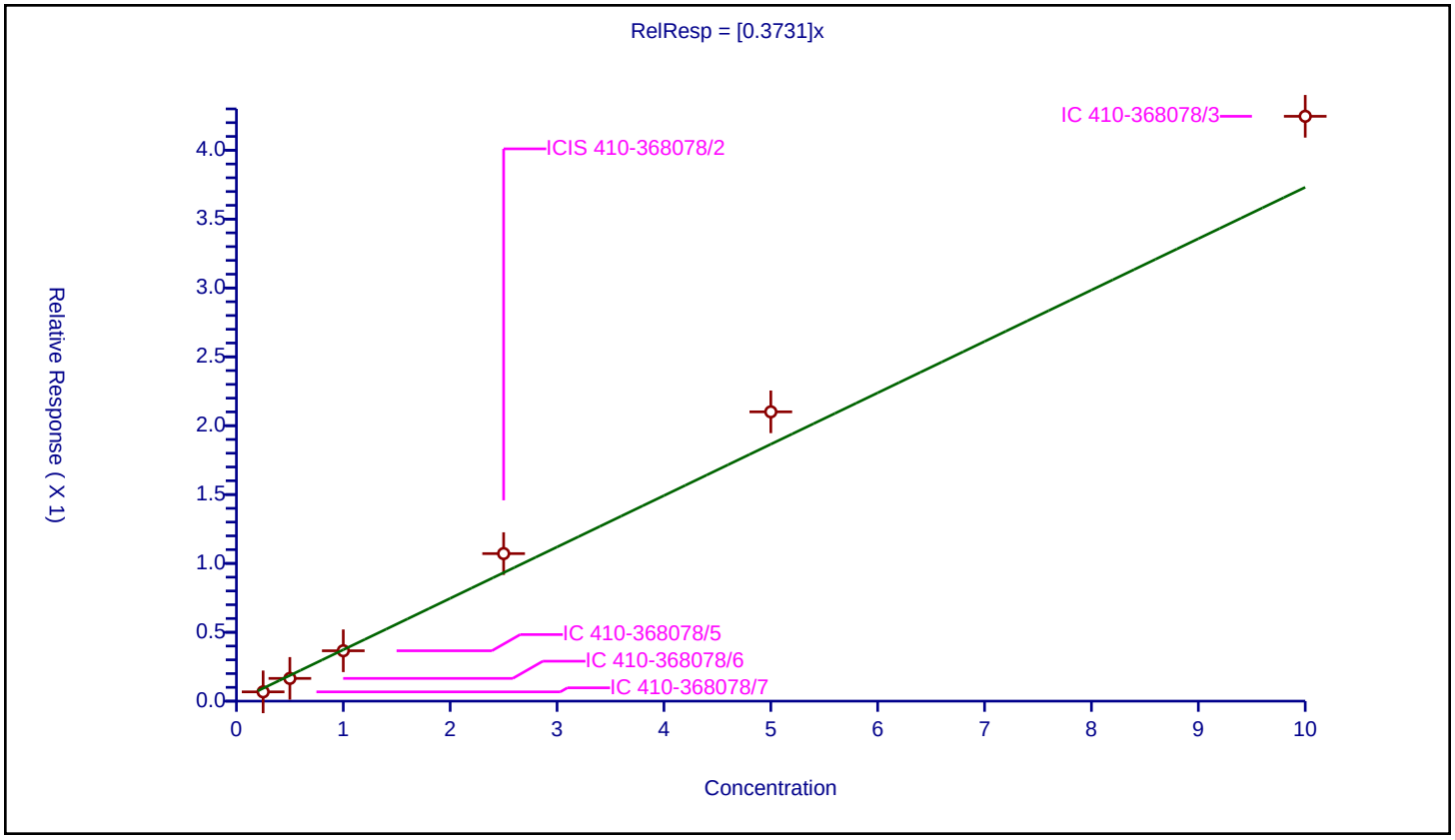
Curve Coefficients

Intercept:	0
Slope:	0.3731

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	17.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.25	0.067352	0.25	146988.0	0.26941	Y
2	IC 410-368078/6	0.5	0.164982	0.25	156558.0	0.329964	Y
3	IC 410-368078/5	1.0	0.365759	0.25	168749.0	0.365759	Y
4	ICIS 410-368078/2	2.5	1.071295	0.25	180257.0	0.428518	Y
5	IC 410-368078/4	5.0	2.100564	0.25	186583.0	0.420113	Y
6	IC 410-368078/3	10.0	4.246317	0.25	202625.0	0.424632	Y



Calibration / Benzo[a]anthracene

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

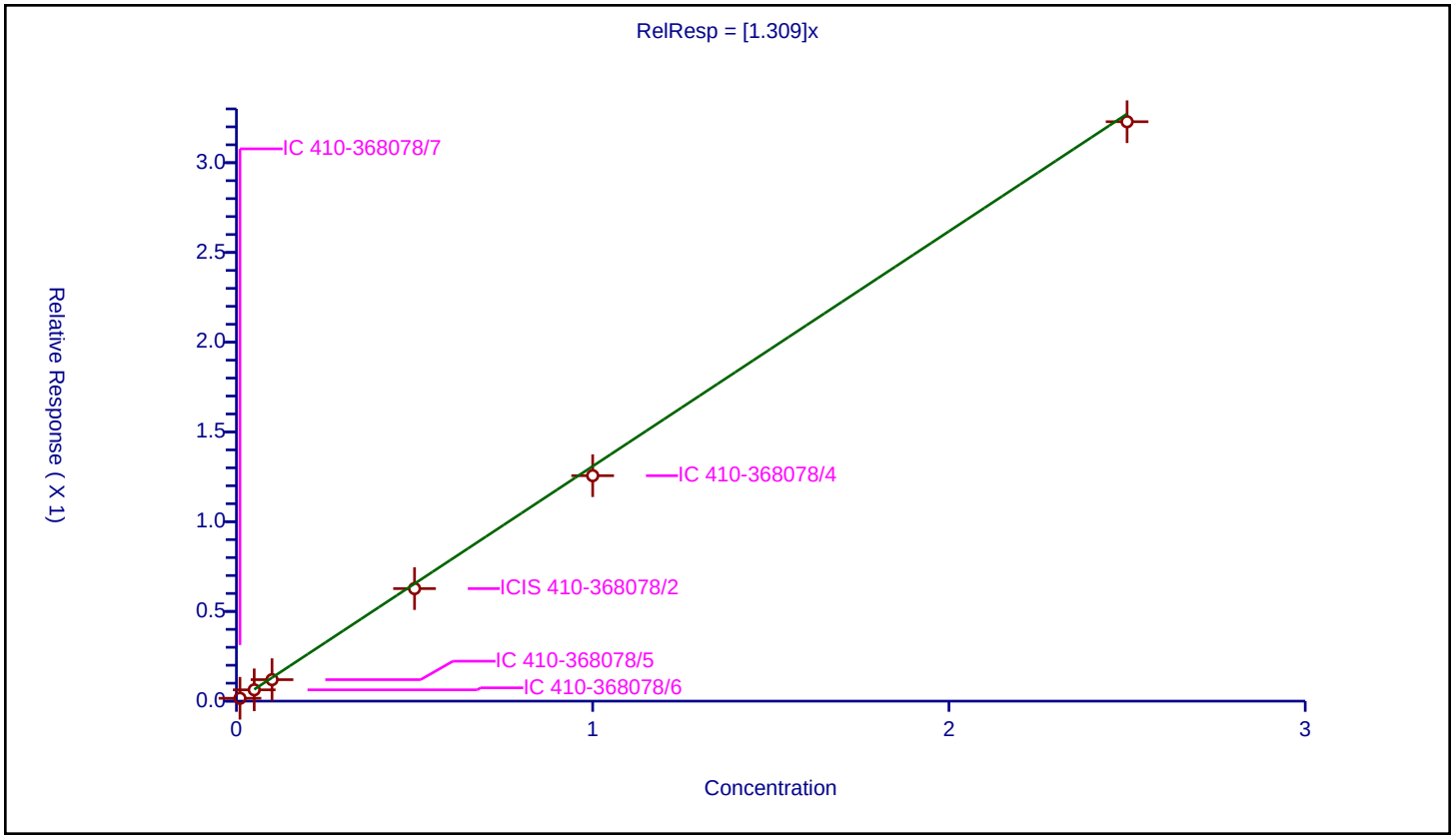
Curve Coefficients

Intercept:	0
Slope:	1.309

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	11.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.015962	0.25	146988.0	1.596219	Y
2	IC 410-368078/6	0.05	0.06294	0.25	156558.0	1.258799	Y
3	IC 410-368078/5	0.1	0.119629	0.25	168749.0	1.196289	Y
4	ICIS 410-368078/2	0.5	0.627134	0.25	180257.0	1.254268	Y
5	IC 410-368078/4	1.0	1.25626	0.25	186583.0	1.25626	Y
6	IC 410-368078/3	2.5	3.228682	0.25	202625.0	1.291473	Y



Calibration / Chrysene

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

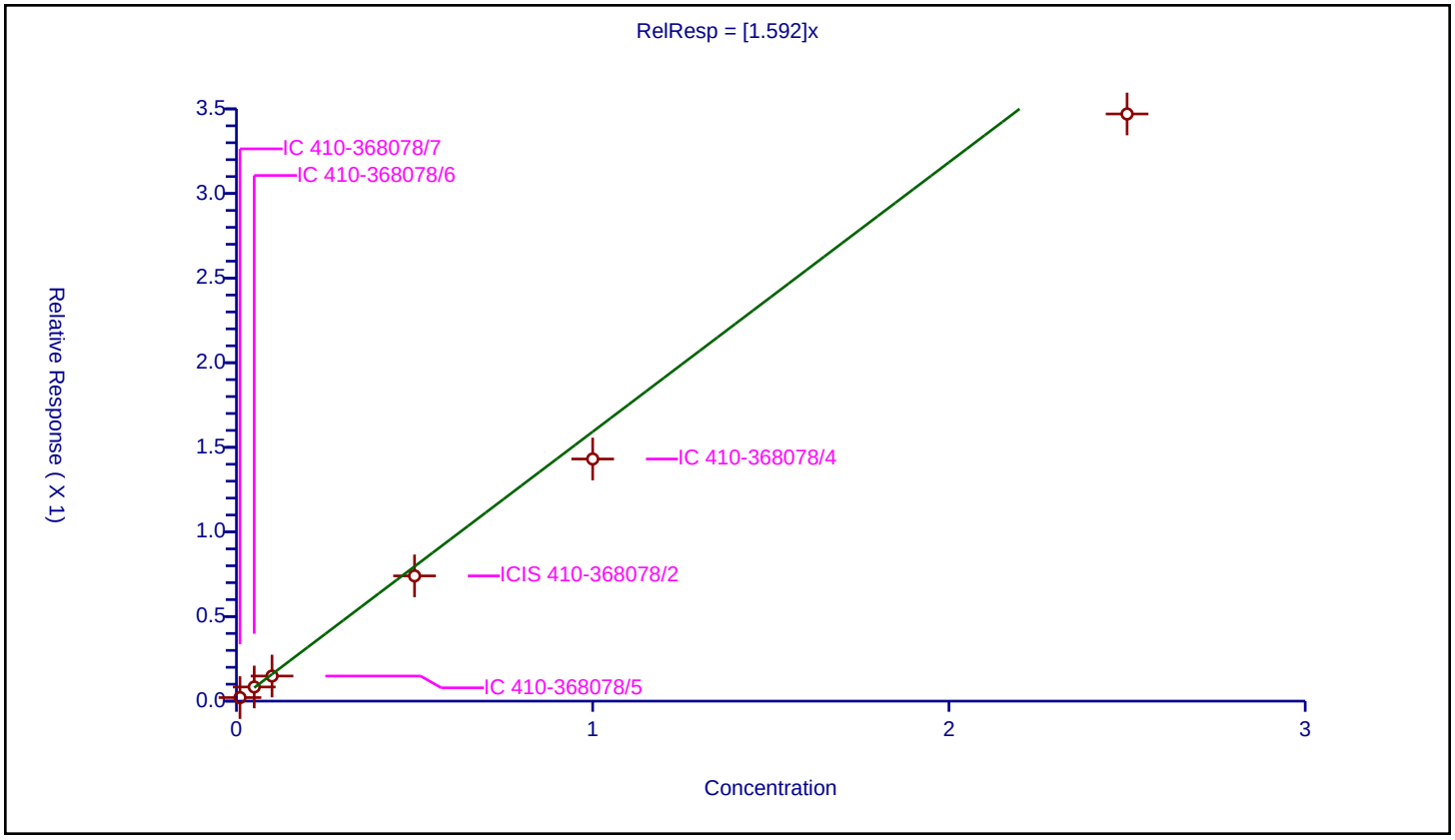
Curve Coefficients

Intercept:	0
Slope:	1.592

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	16.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.020964	0.25	146988.0	2.09643	Y
2	IC 410-368078/6	0.05	0.083646	0.25	156558.0	1.672926	Y
3	IC 410-368078/5	0.1	0.148404	0.25	168749.0	1.484038	Y
4	ICIS 410-368078/2	0.5	0.740177	0.25	180257.0	1.480353	Y
5	IC 410-368078/4	1.0	1.431005	0.25	186583.0	1.431005	Y
6	IC 410-368078/3	2.5	3.470167	0.25	202625.0	1.388067	Y



Calibration / Bis(2-ethylhexyl) phthalate

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

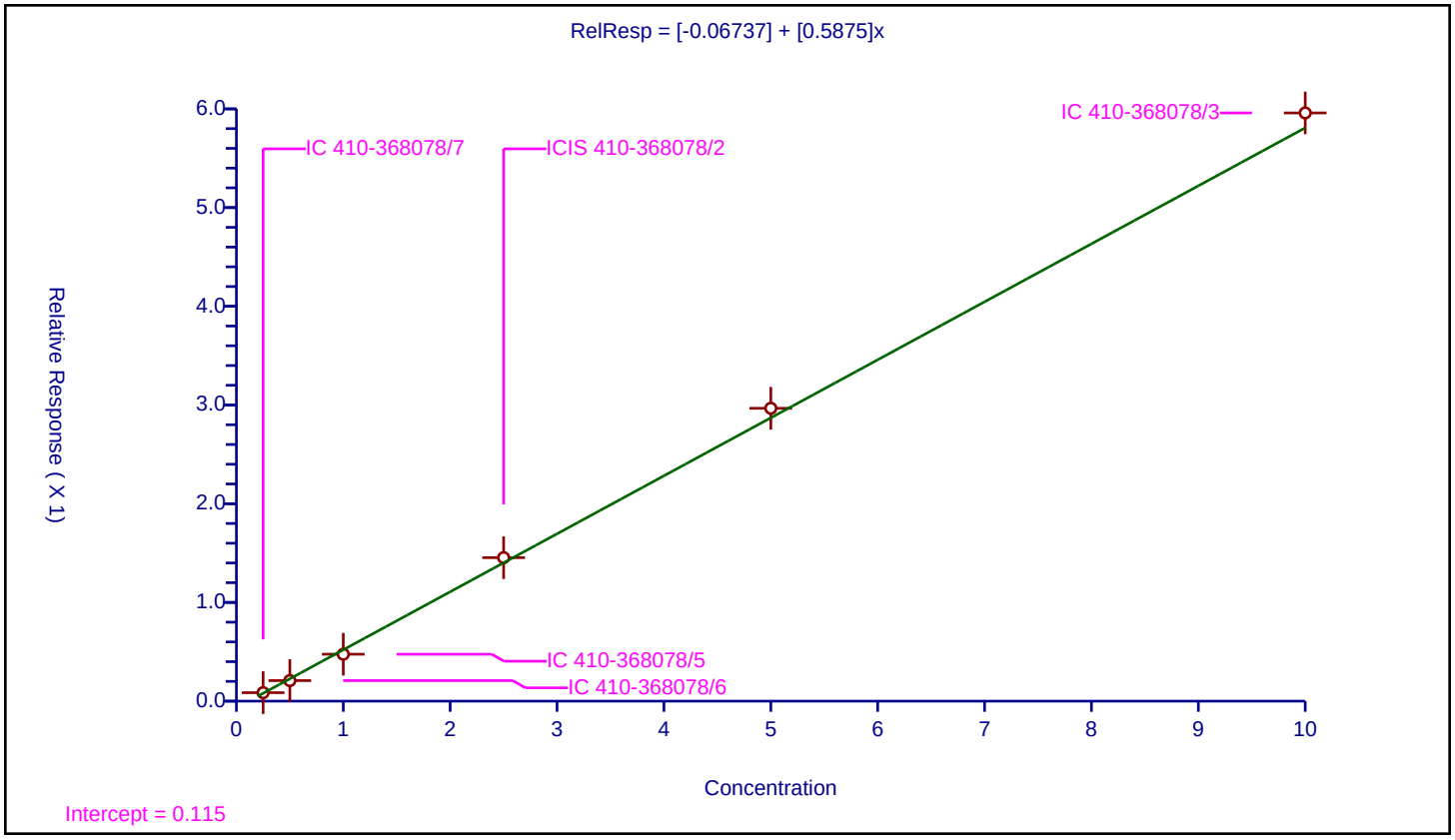
Curve Coefficients

Intercept:	-0.06737
Slope:	0.5875

Error Coefficients

Standard Error:	2710000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.25	0.086002	0.25	146988.0	0.344008	Y
2	IC 410-368078/6	0.5	0.208223	0.25	156558.0	0.416446	Y
3	IC 410-368078/5	1.0	0.475227	0.25	168749.0	0.475227	Y
4	ICIS 410-368078/2	2.5	1.453663	0.25	180257.0	0.581465	Y
5	IC 410-368078/4	5.0	2.966901	0.25	186583.0	0.59338	Y
6	IC 410-368078/3	10.0	5.958971	0.25	202625.0	0.595897	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

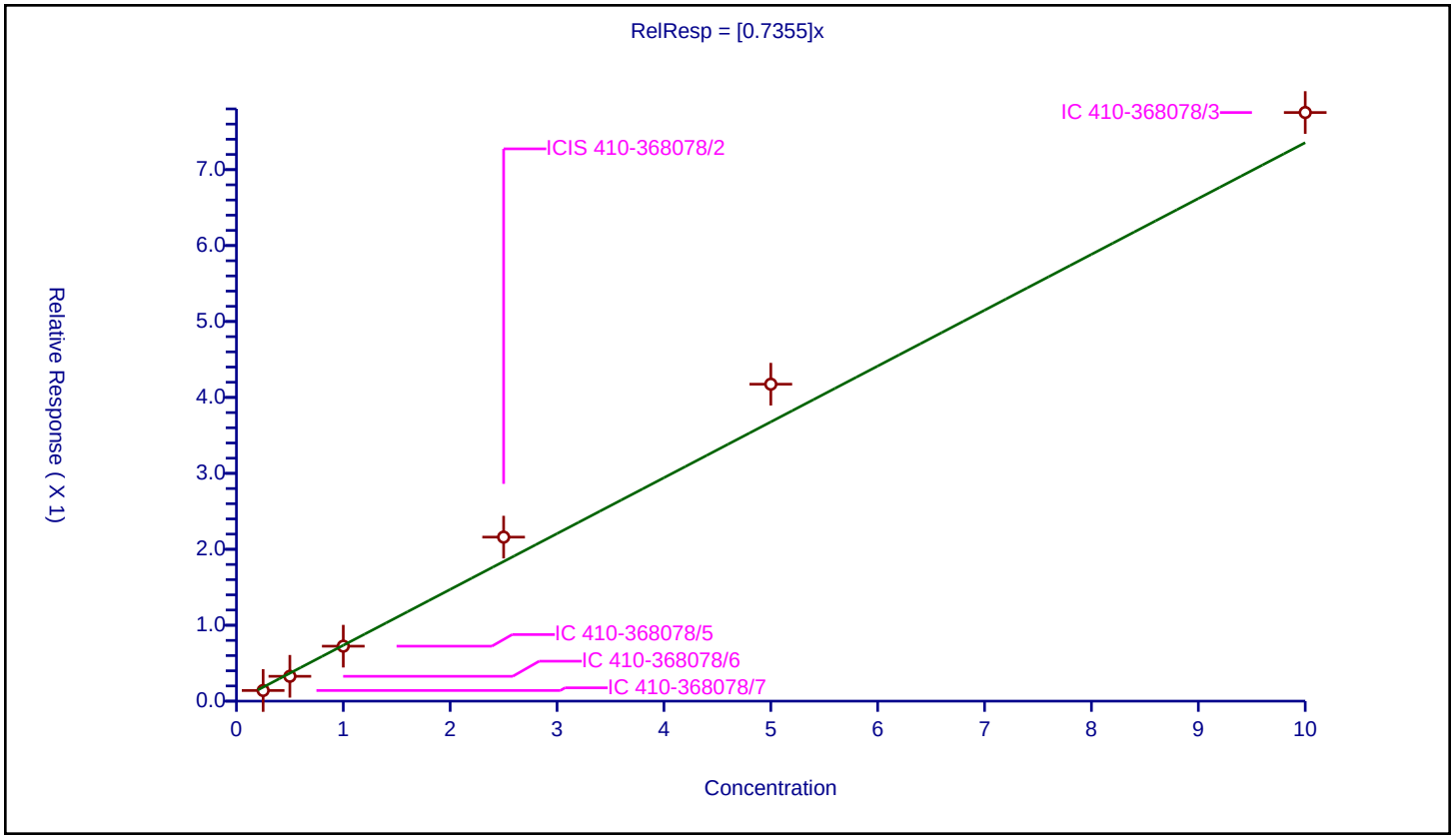
Curve Coefficients

Intercept:	0
Slope:	0.7355

Error Coefficients

Standard Error:	3990000
Relative Standard Error:	15.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.25	0.140216	0.25	133515.0	0.560866	Y
2	IC 410-368078/6	0.5	0.327024	0.25	152076.0	0.654048	Y
3	IC 410-368078/5	1.0	0.723886	0.25	170272.0	0.723886	Y
4	ICIS 410-368078/2	2.5	2.16034	0.25	193506.0	0.864136	Y
5	IC 410-368078/4	5.0	4.174517	0.25	215151.0	0.834903	Y
6	IC 410-368078/3	10.0	7.752208	0.25	257478.0	0.775221	Y



Calibration / Benzo[b]fluoranthene

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

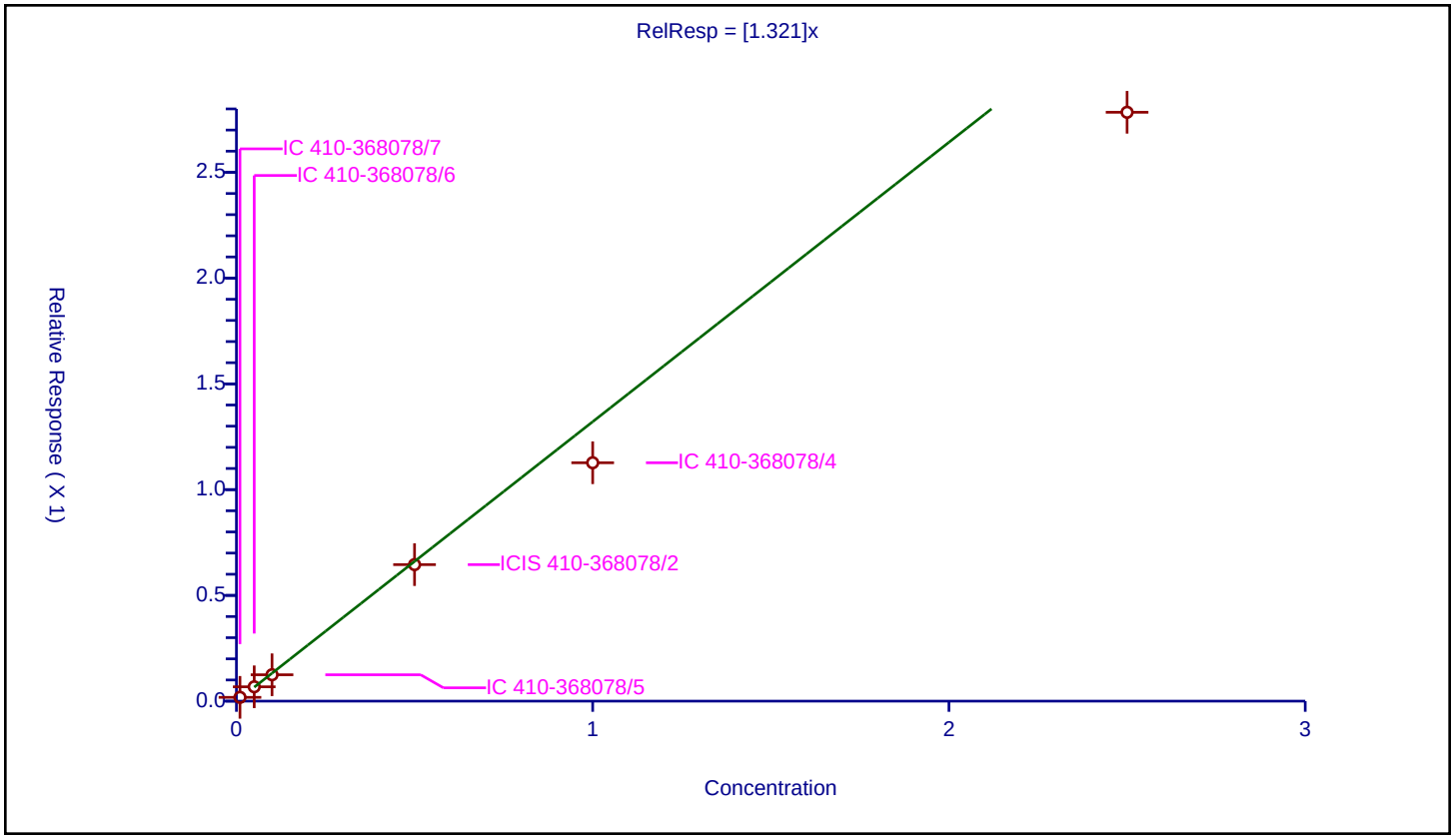
Curve Coefficients

Intercept:	0
Slope:	1.321

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	18.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.949

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.017917	0.25	133515.0	1.791746	Y
2	IC 410-368078/6	0.05	0.067807	0.25	152076.0	1.356131	Y
3	IC 410-368078/5	0.1	0.124678	0.25	170272.0	1.246785	Y
4	ICIS 410-368078/2	0.5	0.645452	0.25	193506.0	1.290903	Y
5	IC 410-368078/4	1.0	1.127096	0.25	215151.0	1.127096	Y
6	IC 410-368078/3	2.5	2.784043	0.25	257478.0	1.113617	Y



Calibration / Benzo[k]fluoranthene

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

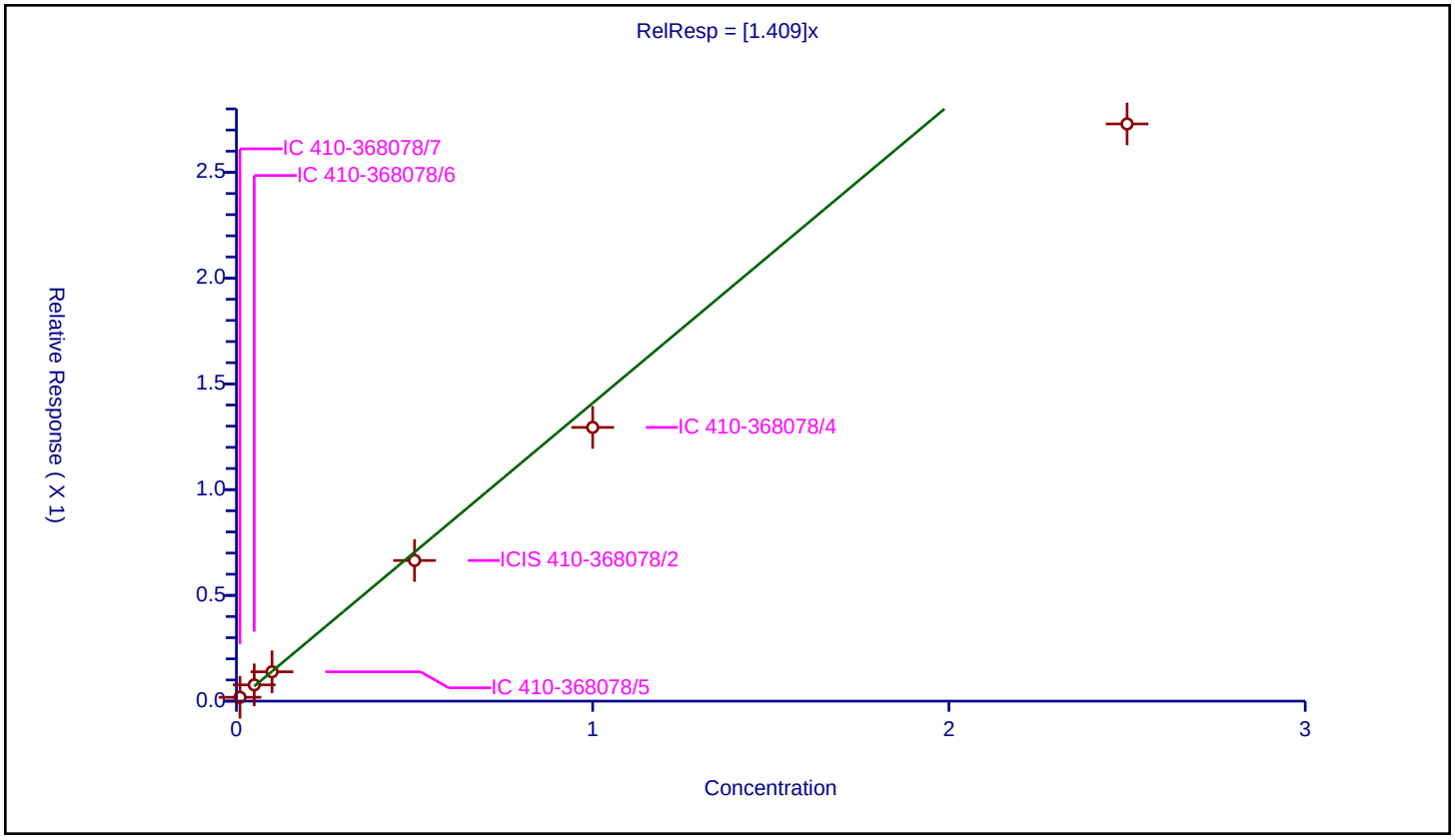
Curve Coefficients

Intercept:	0
Slope:	1.409

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	17.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.018137	0.25	133515.0	1.813654	Y
2	IC 410-368078/6	0.05	0.076817	0.25	152076.0	1.536337	Y
3	IC 410-368078/5	0.1	0.138752	0.25	170272.0	1.387515	Y
4	ICIS 410-368078/2	0.5	0.66505	0.25	193506.0	1.330101	Y
5	IC 410-368078/4	1.0	1.294109	0.25	215151.0	1.294109	Y
6	IC 410-368078/3	2.5	2.728994	0.25	257478.0	1.091598	Y



Calibration / Benzo[e]pyrene

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

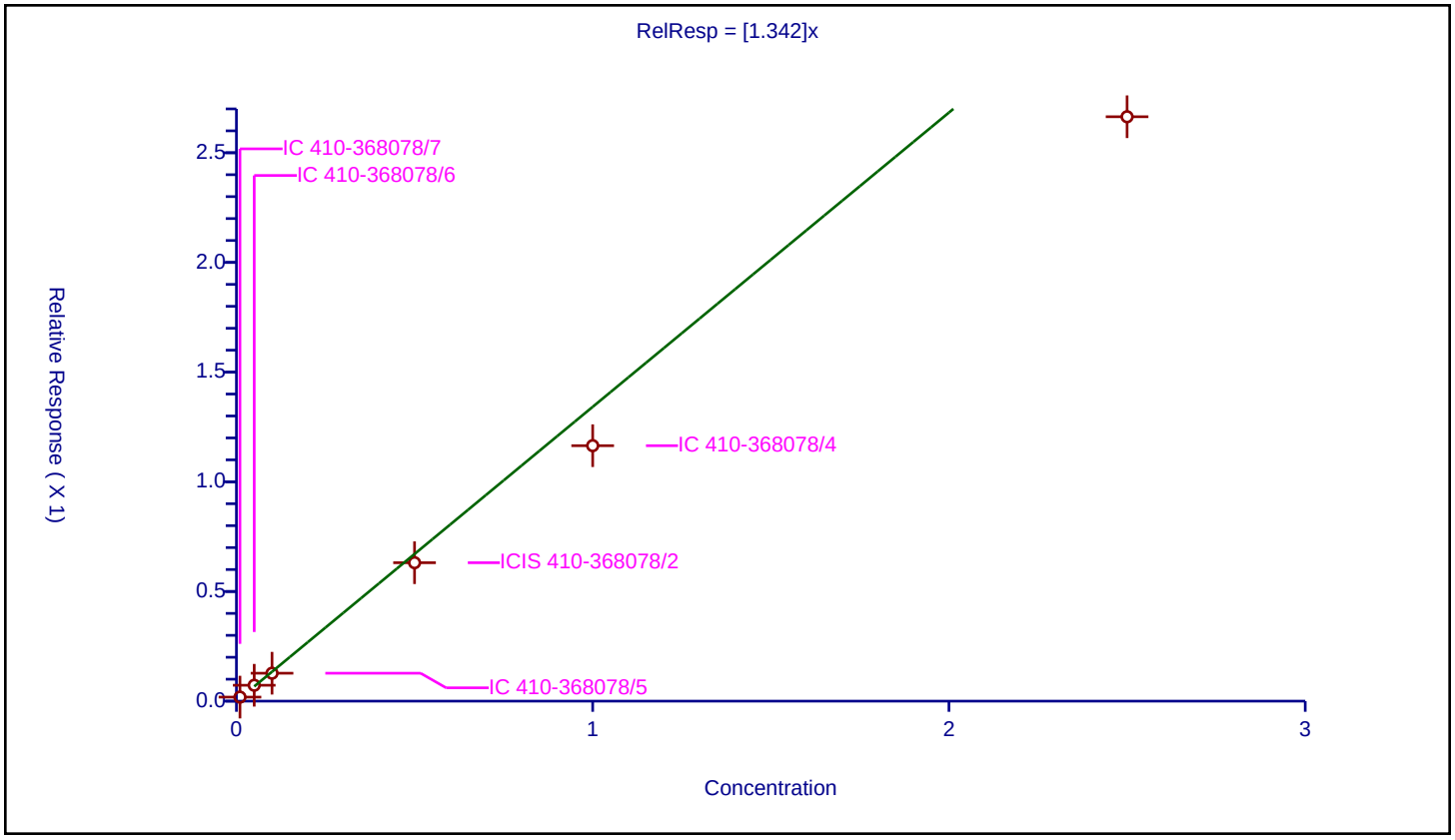
Curve Coefficients

Intercept:	0
Slope:	1.342

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	20.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.939

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.018361	0.25	133515.0	1.836123	Y
2	IC 410-368078/6	0.05	0.072408	0.25	152076.0	1.448158	Y
3	IC 410-368078/5	0.1	0.127282	0.25	170272.0	1.272816	Y
4	ICIS 410-368078/2	0.5	0.631112	0.25	193506.0	1.262224	Y
5	IC 410-368078/4	1.0	1.164652	0.25	215151.0	1.164652	Y
6	IC 410-368078/3	2.5	2.664179	0.25	257478.0	1.065672	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

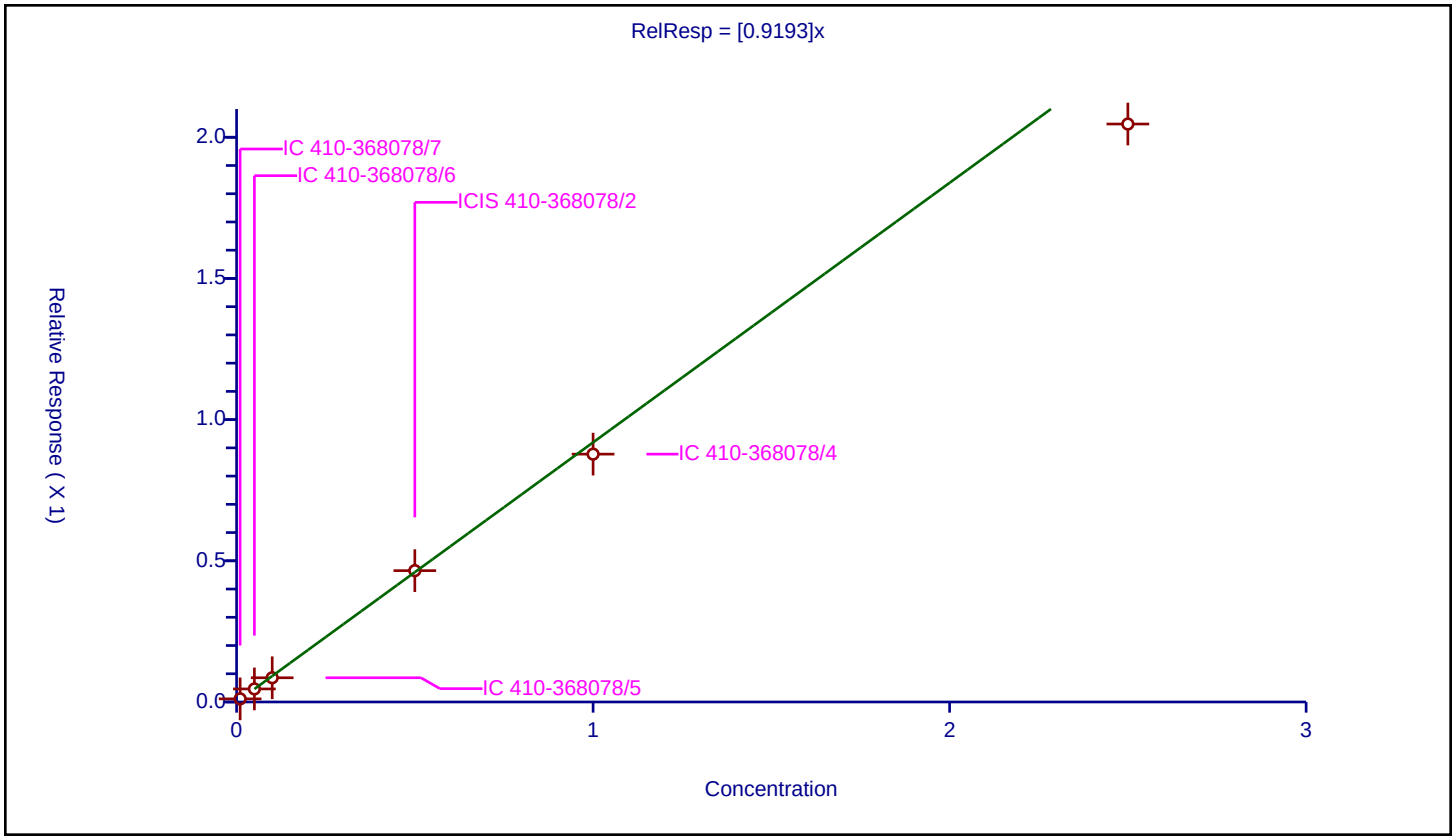
Curve Coefficients

Intercept:	0
Slope:	0.9193

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	11.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.011062	0.25	133515.0	1.106243	Y
2	IC 410-368078/6	0.05	0.04624	0.25	152076.0	0.924801	Y
3	IC 410-368078/5	0.1	0.085786	0.25	170272.0	0.857863	Y
4	ICIS 410-368078/2	0.5	0.465194	0.25	193506.0	0.930387	Y
5	IC 410-368078/4	1.0	0.877799	0.25	215151.0	0.877799	Y
6	IC 410-368078/3	2.5	2.046798	0.25	257478.0	0.818719	Y



Calibration / Benzo[a]pyrene

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

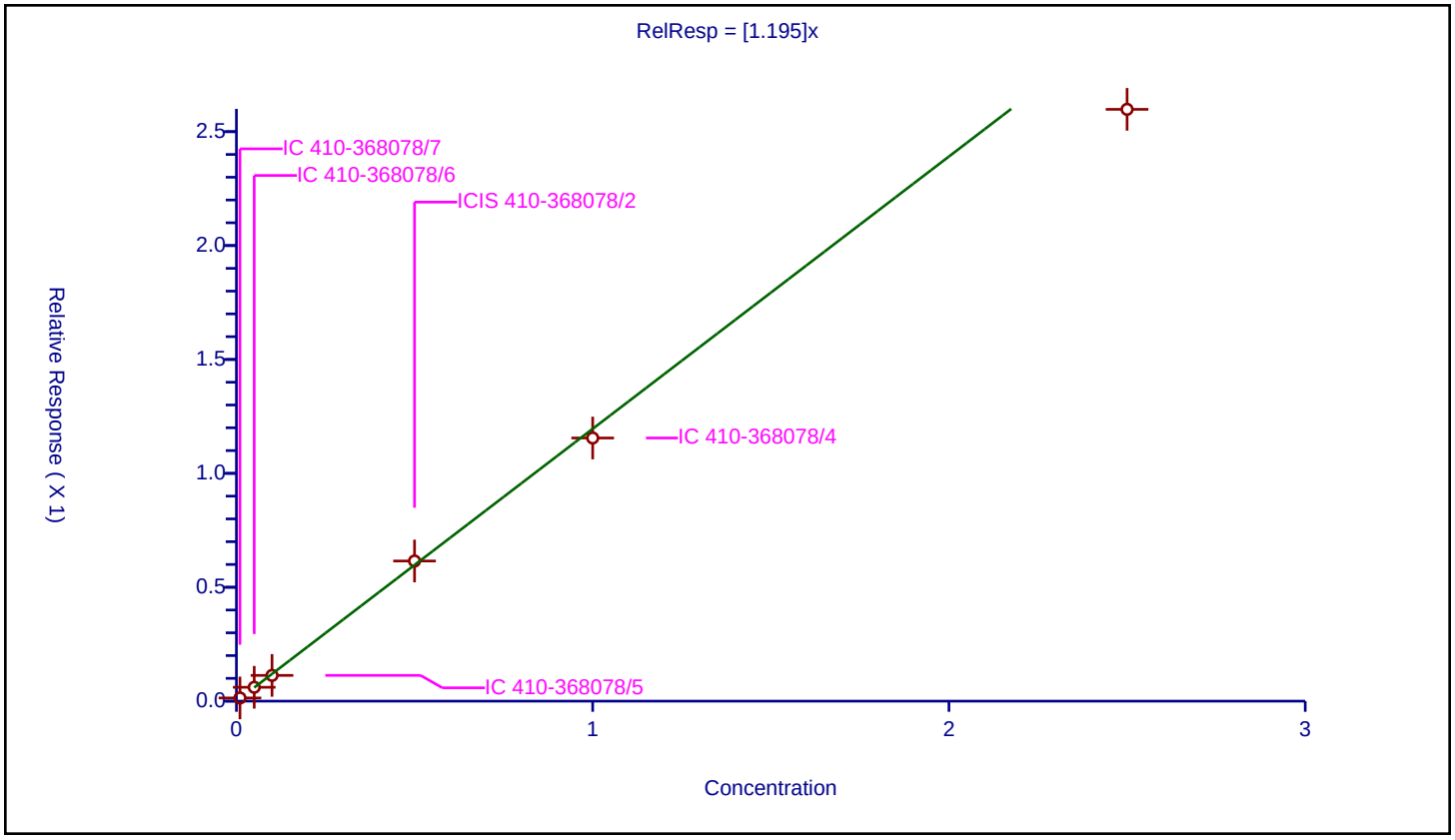
Curve Coefficients

Intercept:	0
Slope:	1.195

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	10.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.014012	0.25	133515.0	1.401153	Y
2	IC 410-368078/6	0.05	0.060853	0.25	152076.0	1.217056	Y
3	IC 410-368078/5	0.1	0.112978	0.25	170272.0	1.129781	Y
4	ICIS 410-368078/2	0.5	0.61525	0.25	193506.0	1.230499	Y
5	IC 410-368078/4	1.0	1.155184	0.25	215151.0	1.155184	Y
6	IC 410-368078/3	2.5	2.597997	0.25	257478.0	1.039199	Y



Calibration / Perylene

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

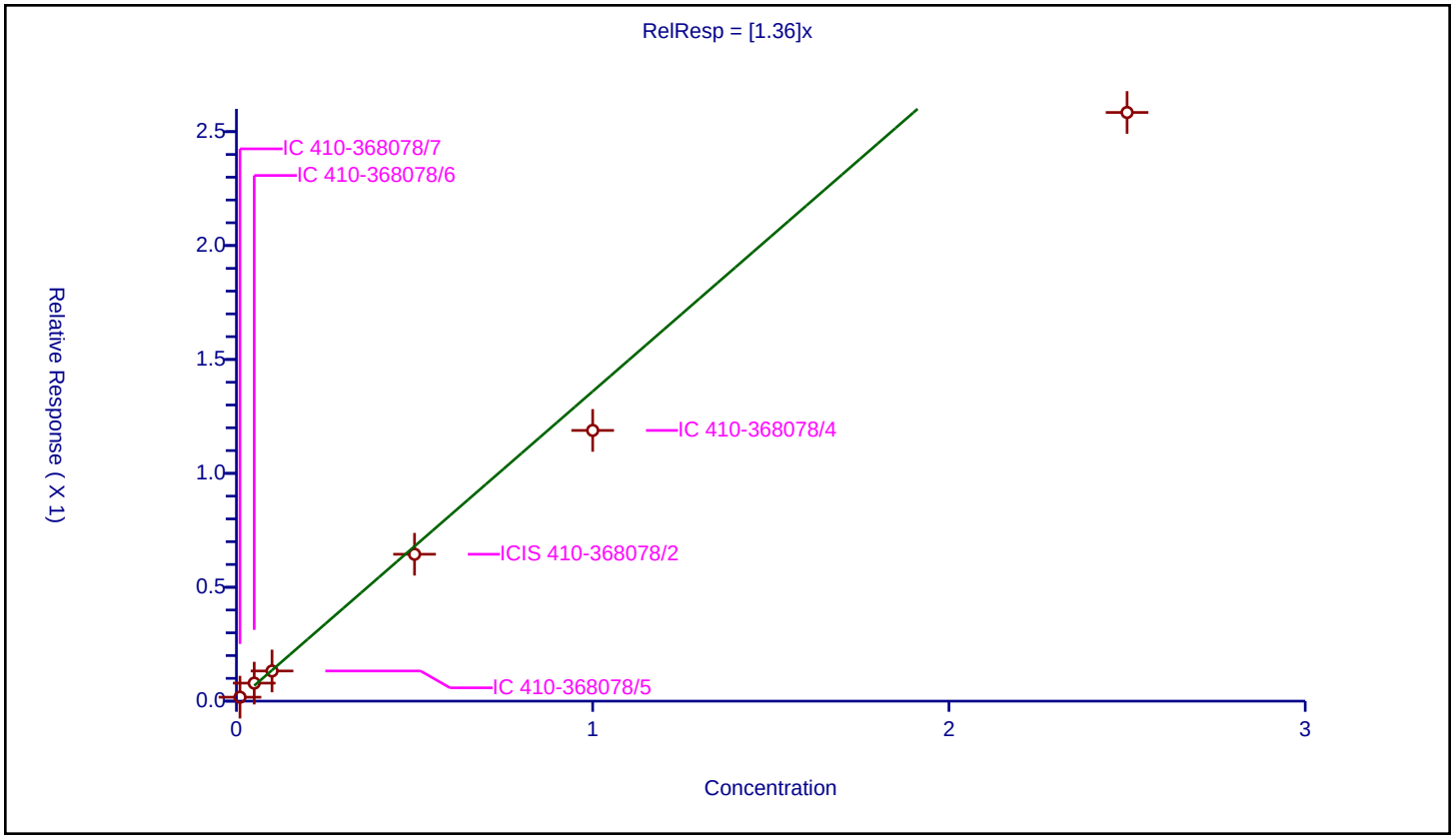
Curve Coefficients

Intercept:	0
Slope:	1.36

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	19.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.950

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.017416	0.25	133515.0	1.741565	Y
2	IC 410-368078/6	0.05	0.079048	0.25	152076.0	1.580953	Y
3	IC 410-368078/5	0.1	0.132397	0.25	170272.0	1.32397	Y
4	ICIS 410-368078/2	0.5	0.644881	0.25	193506.0	1.289761	Y
5	IC 410-368078/4	1.0	1.188534	0.25	215151.0	1.188534	Y
6	IC 410-368078/3	2.5	2.584318	0.25	257478.0	1.033727	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

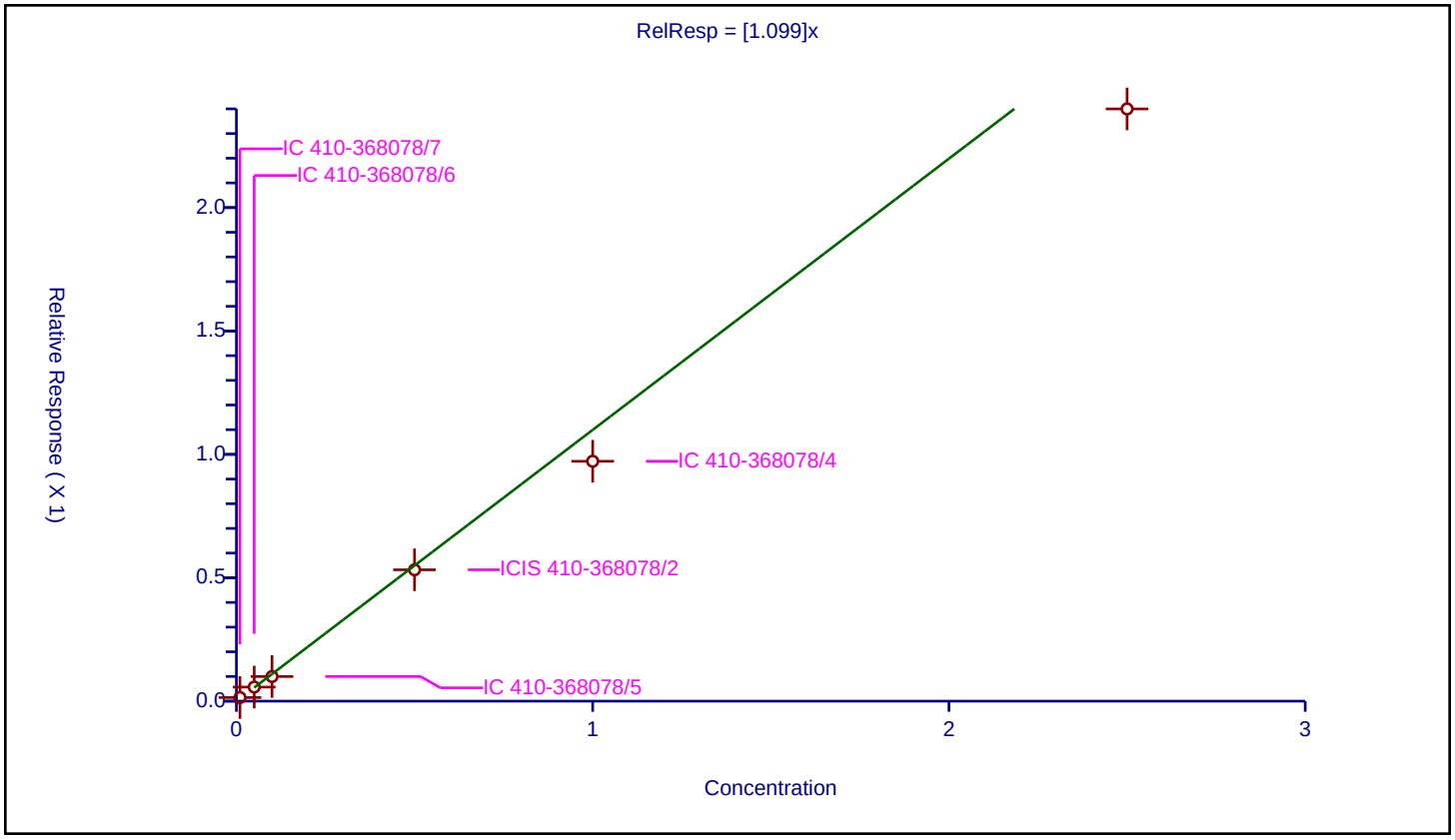
Curve Coefficients

Intercept:	0
Slope:	1.099

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	17.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.014594	0.25	133515.0	1.459387	Y
2	IC 410-368078/6	0.05	0.057026	0.25	152076.0	1.140515	Y
3	IC 410-368078/5	0.1	0.099831	0.25	170272.0	0.998314	Y
4	ICIS 410-368078/2	0.5	0.532241	0.25	193506.0	1.064481	Y
5	IC 410-368078/4	1.0	0.97213	0.25	215151.0	0.97213	Y
6	IC 410-368078/3	2.5	2.399746	0.25	257478.0	0.959898	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

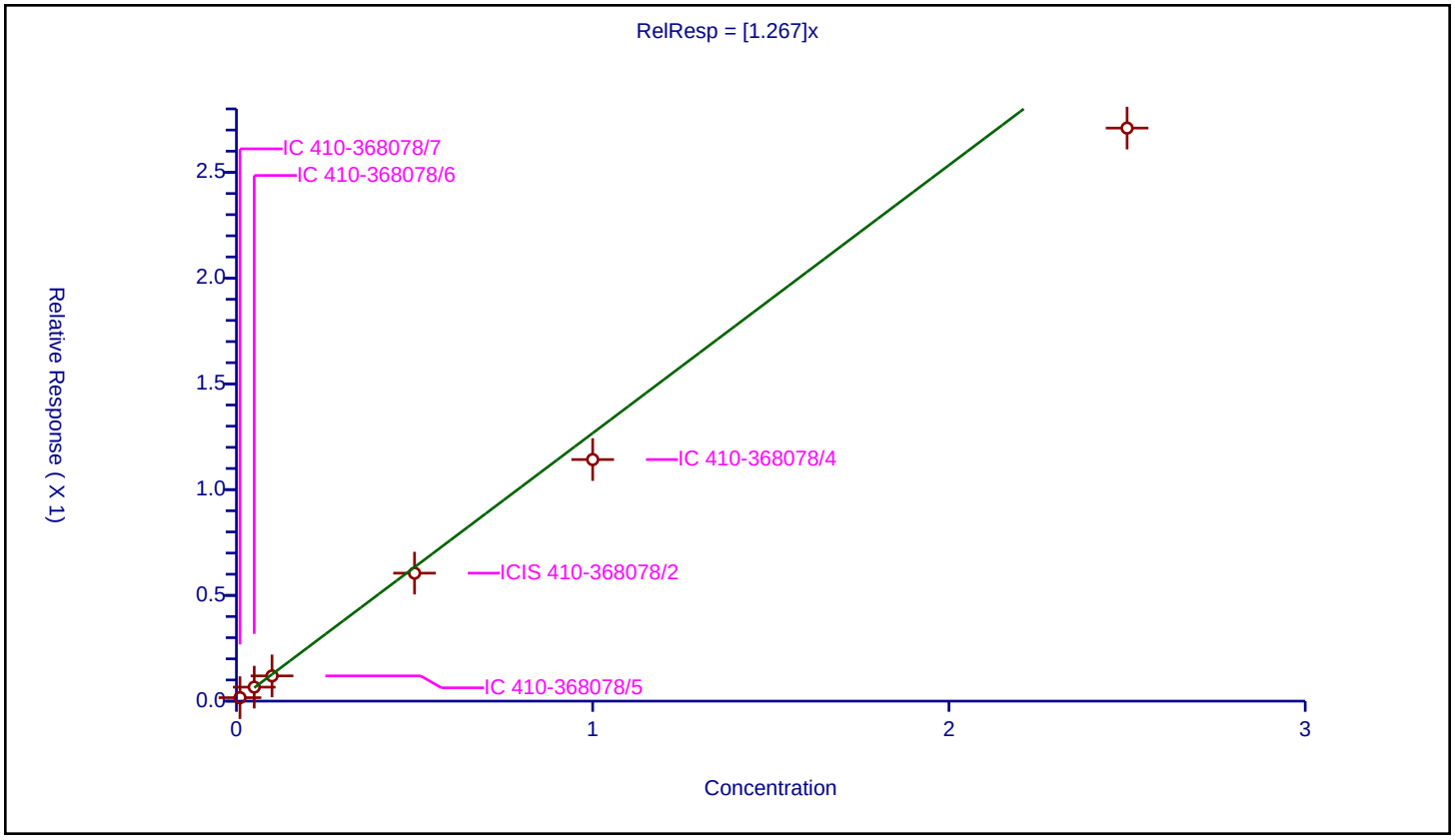
Curve Coefficients

Intercept:	0
Slope:	1.267

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	16.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.016489	0.25	133515.0	1.648878	Y
2	IC 410-368078/6	0.05	0.066166	0.25	152076.0	1.323319	Y
3	IC 410-368078/5	0.1	0.119344	0.25	170272.0	1.193443	Y
4	ICIS 410-368078/2	0.5	0.605141	0.25	193506.0	1.210283	Y
5	IC 410-368078/4	1.0	1.142201	0.25	215151.0	1.142201	Y
6	IC 410-368078/3	2.5	2.709287	0.25	257478.0	1.083715	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

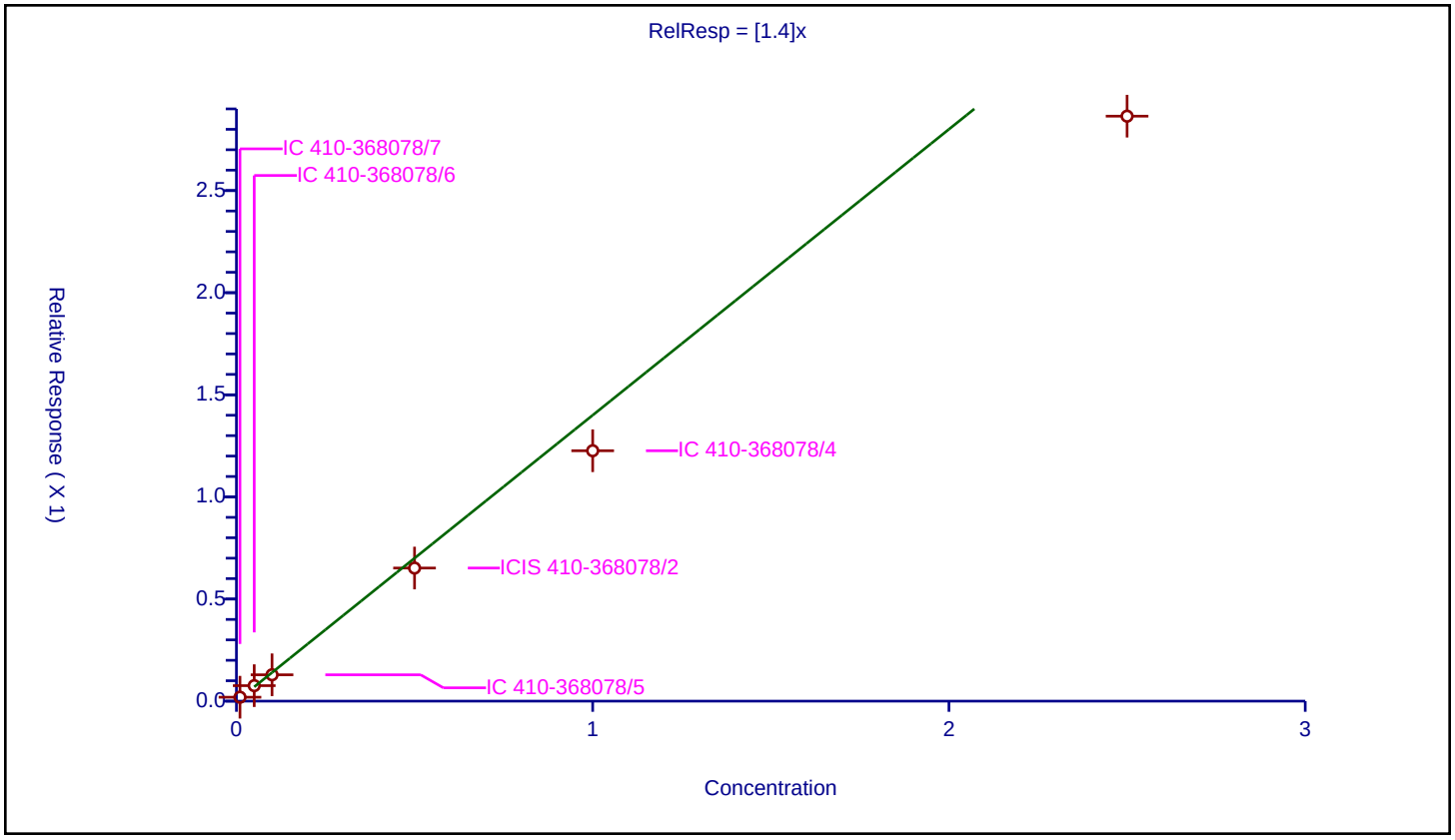
Curve Coefficients

Intercept:	0
Slope:	1.4

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	20.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.941

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-368078/7	0.01	0.019185	0.25	133515.0	1.918511	Y
2	IC 410-368078/6	0.05	0.075845	0.25	152076.0	1.516906	Y
3	IC 410-368078/5	0.1	0.129008	0.25	170272.0	1.290083	Y
4	ICIS 410-368078/2	0.5	0.651689	0.25	193506.0	1.303378	Y
5	IC 410-368078/4	1.0	1.226125	0.25	215151.0	1.226125	Y
6	IC 410-368078/3	2.5	2.864388	0.25	257478.0	1.145755	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.: 410-127407-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 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.: 410-127407-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 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.: 410-127407-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 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 Env Job No.: 410-127407-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 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 Env Job No.: 410-127407-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 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 Env Job No.: 410-127407-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 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 Env Job No.: 410-127407-1 Analy Batch No.: 346701

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m 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

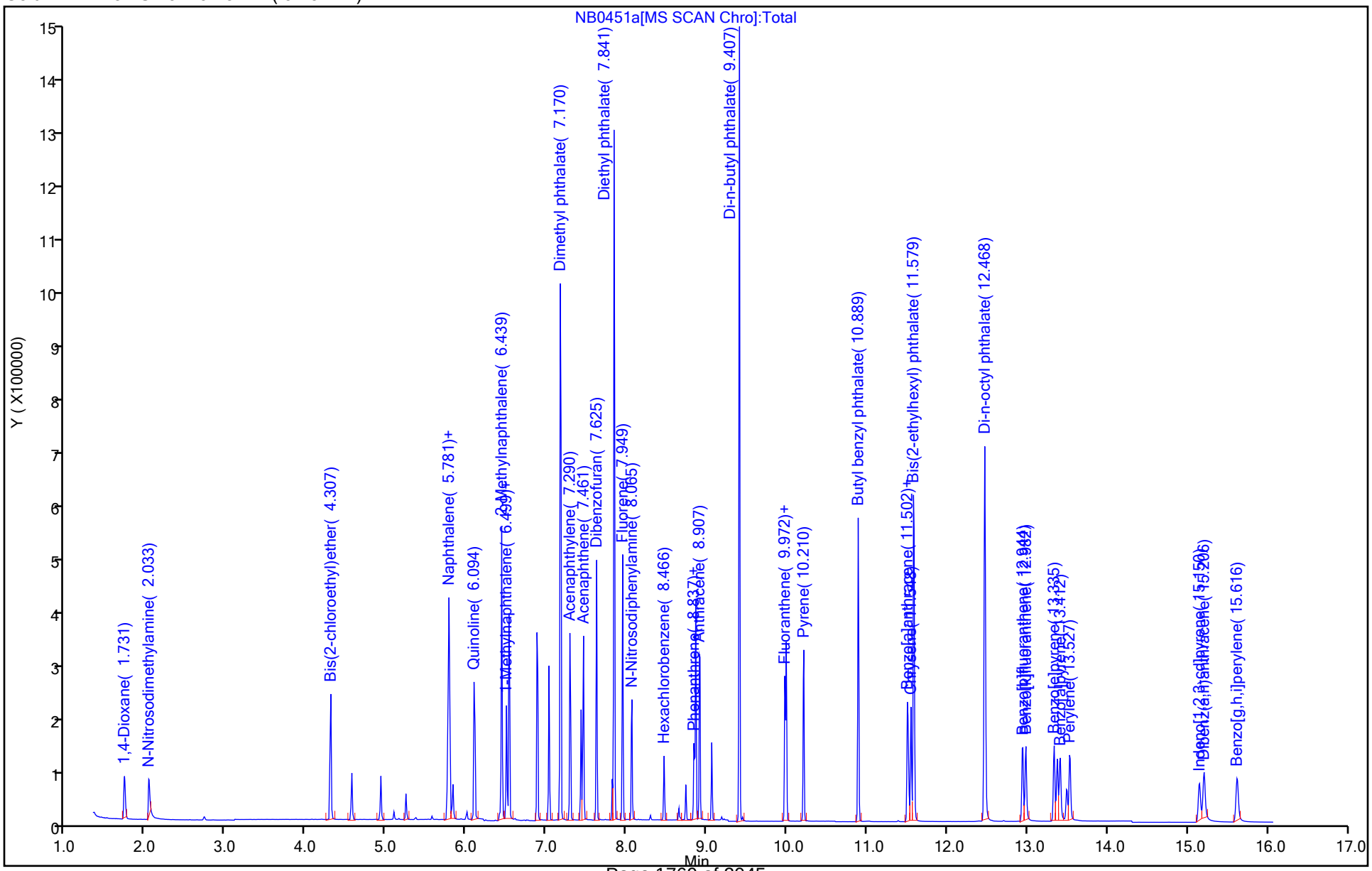
Lims ID: ICIS L4 Worklist Smp#: 2

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

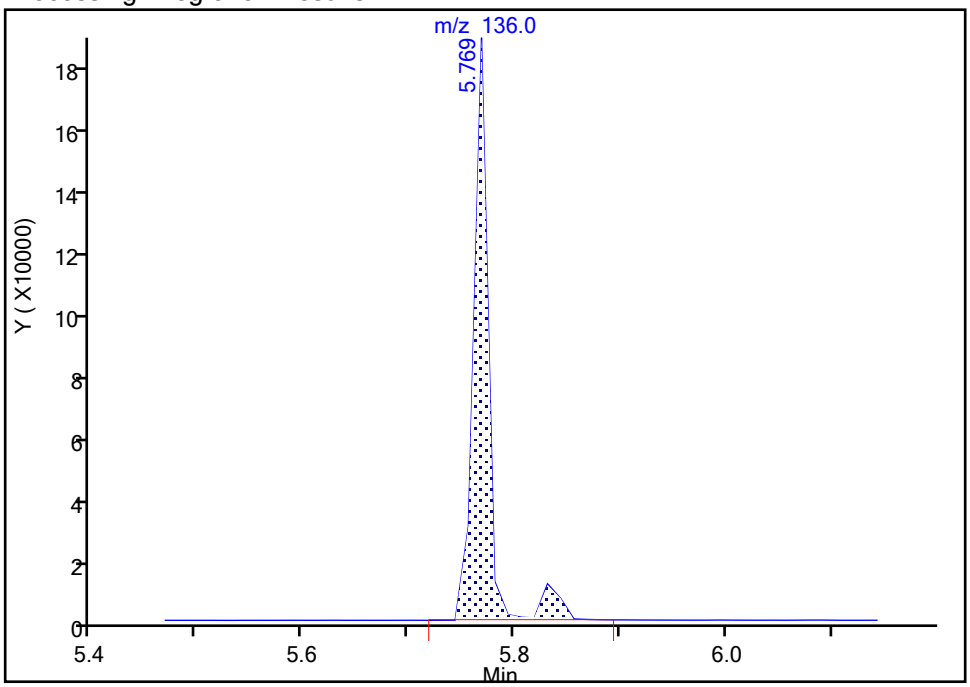
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0451a.D				
Injection Date:	21-Feb-2023 22:48:30	Instrument ID:	HP23263		
Lims ID:	ICIS L4				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	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

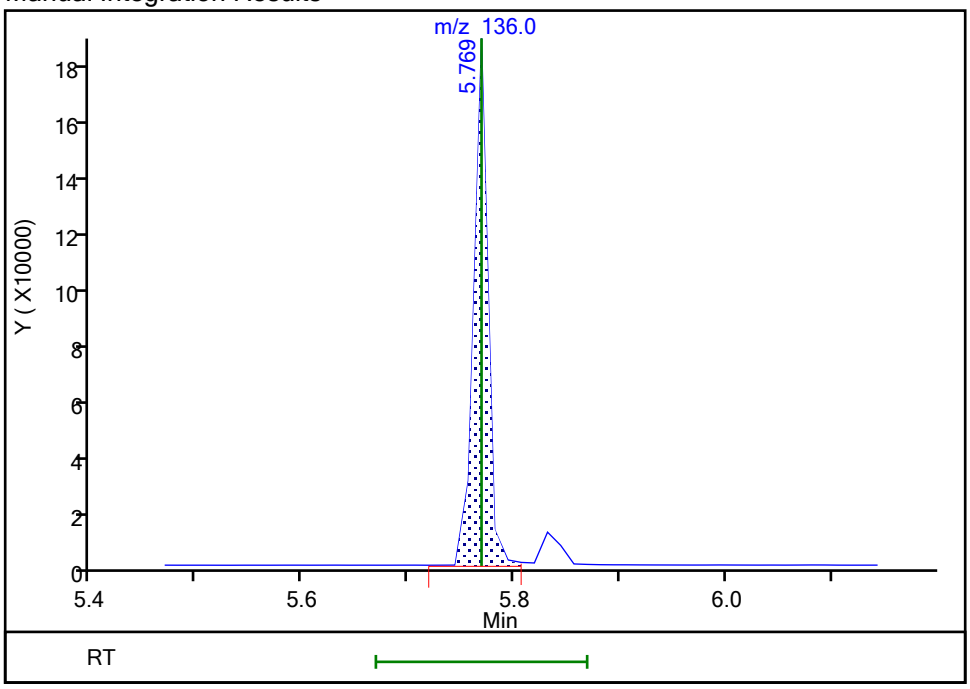
Processing Integration Results

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

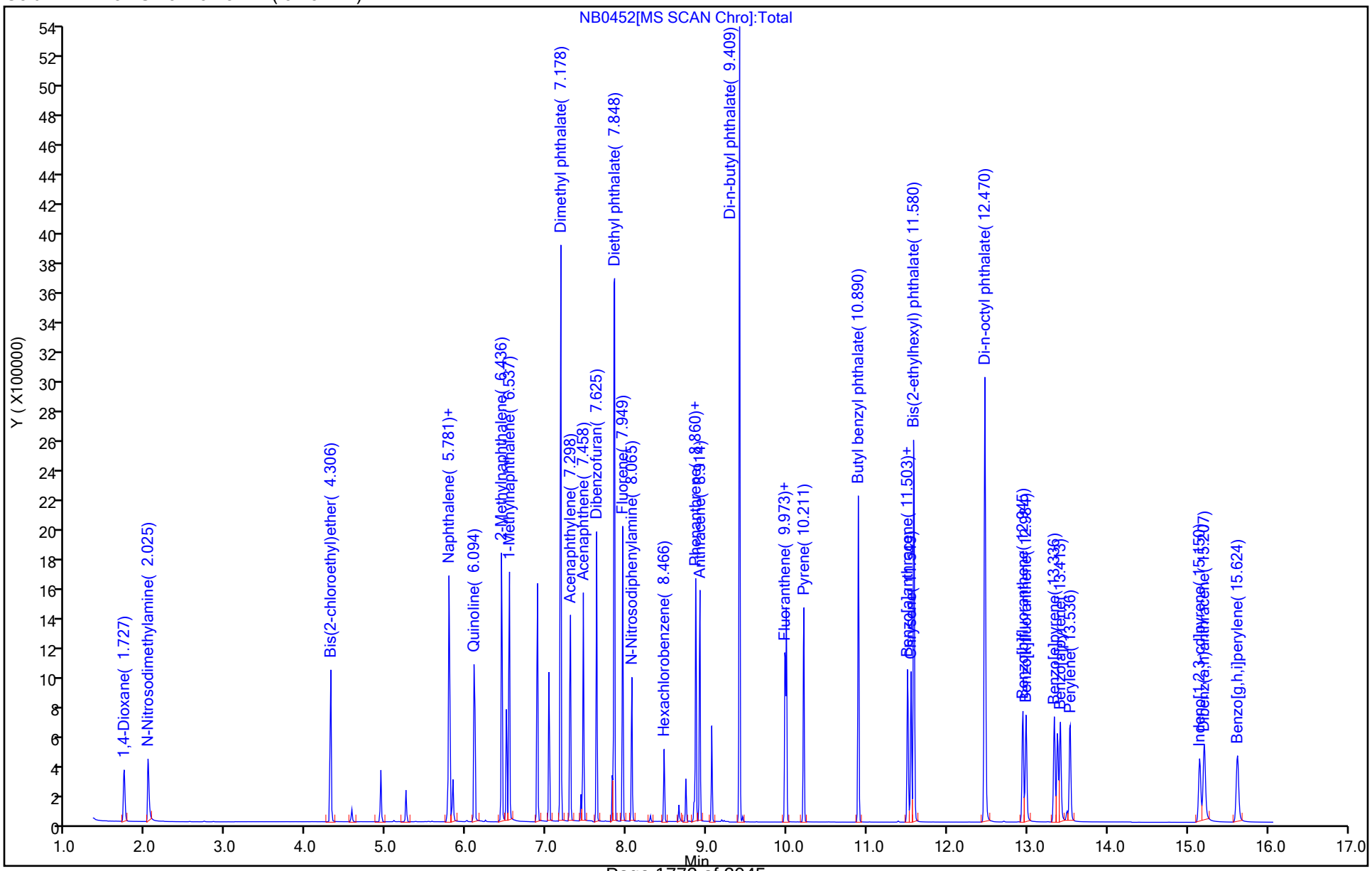
Lims ID: IC L6 Worklist Smp#: 3

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

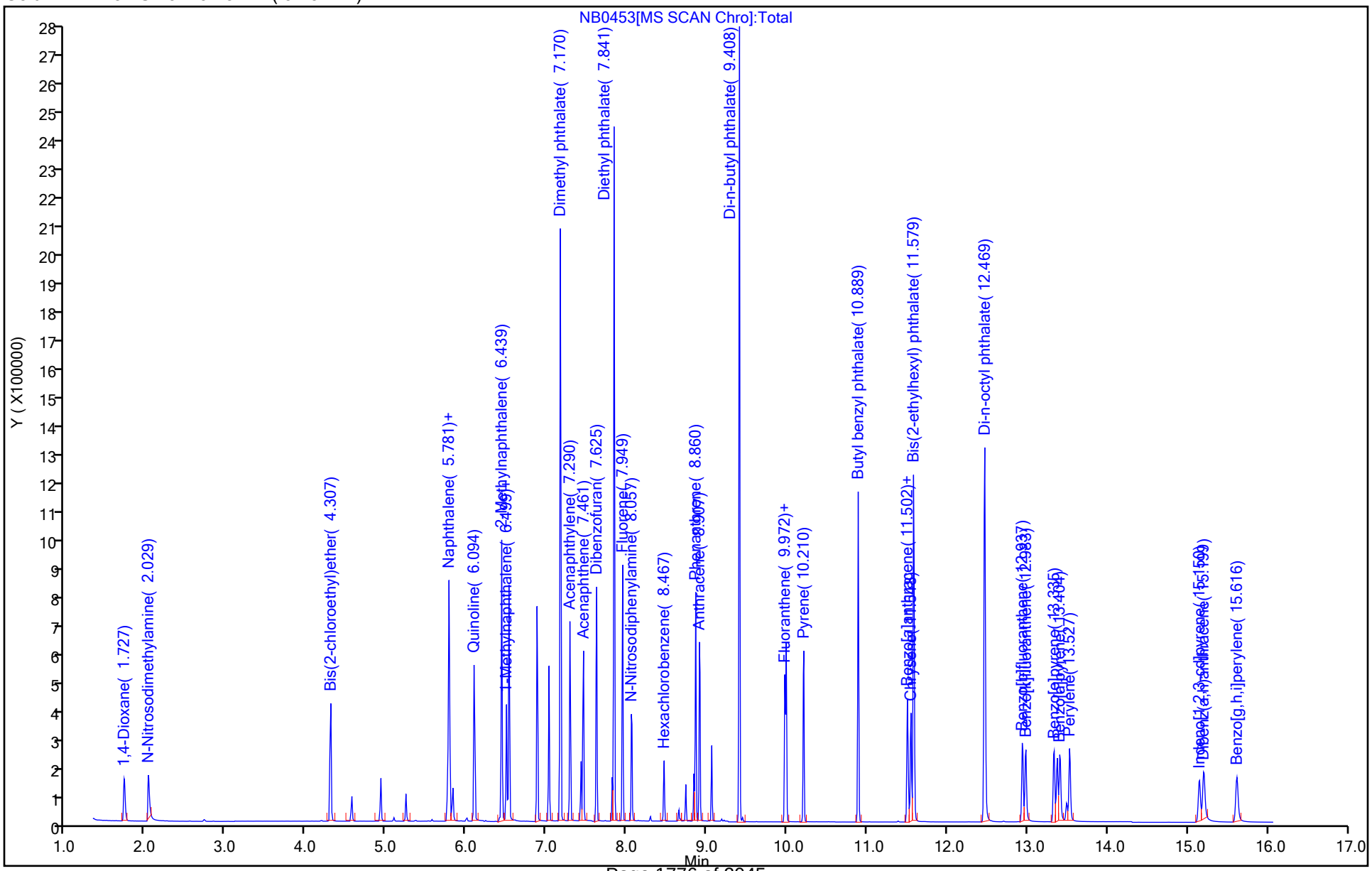
Report Date: 22-Feb-2023 03:33:39 Chrom Revision: 2.3 15-Feb-2023 20:44:50

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

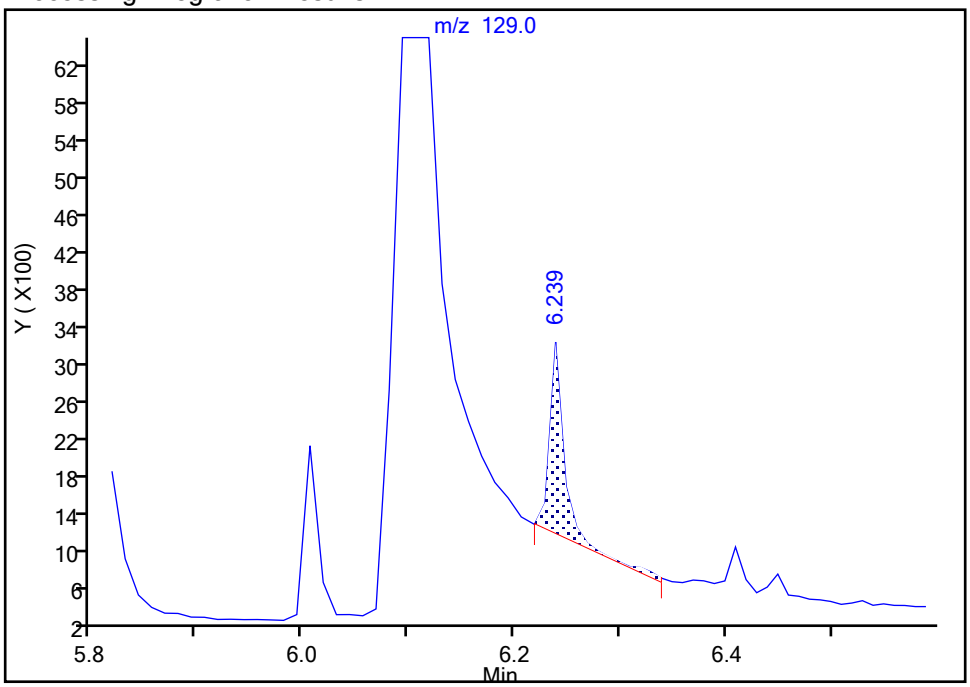
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0453.D				
Injection Date:	21-Feb-2023 23:57:30	Instrument ID:	HP23263		
Lims ID:	IC L5				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

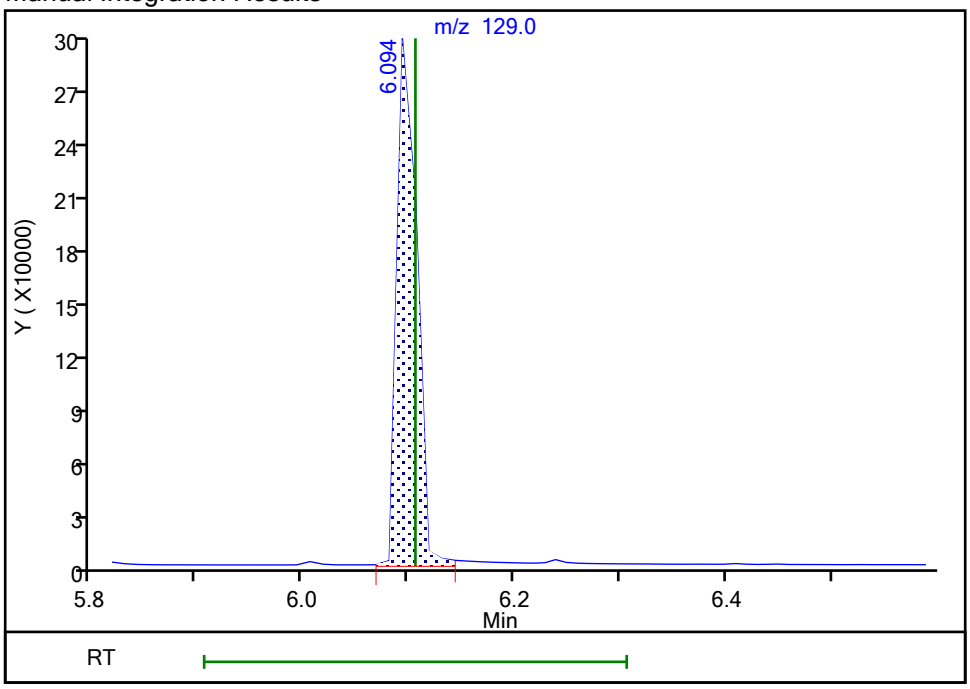
Processing Integration Results

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

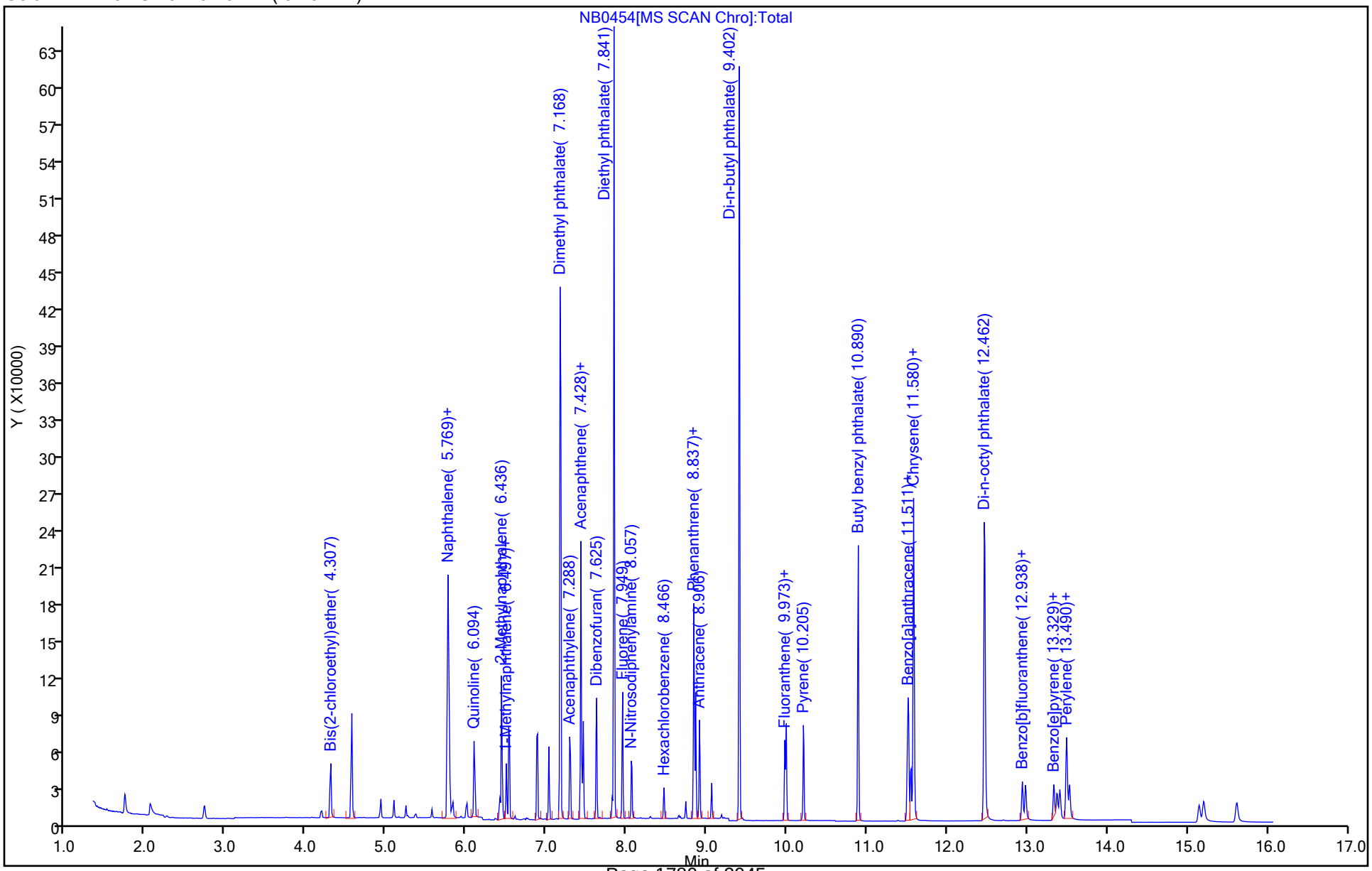
Report Date: 22-Feb-2023 03:33:42 Chrom Revision: 2.3 15-Feb-2023 20:44:50

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

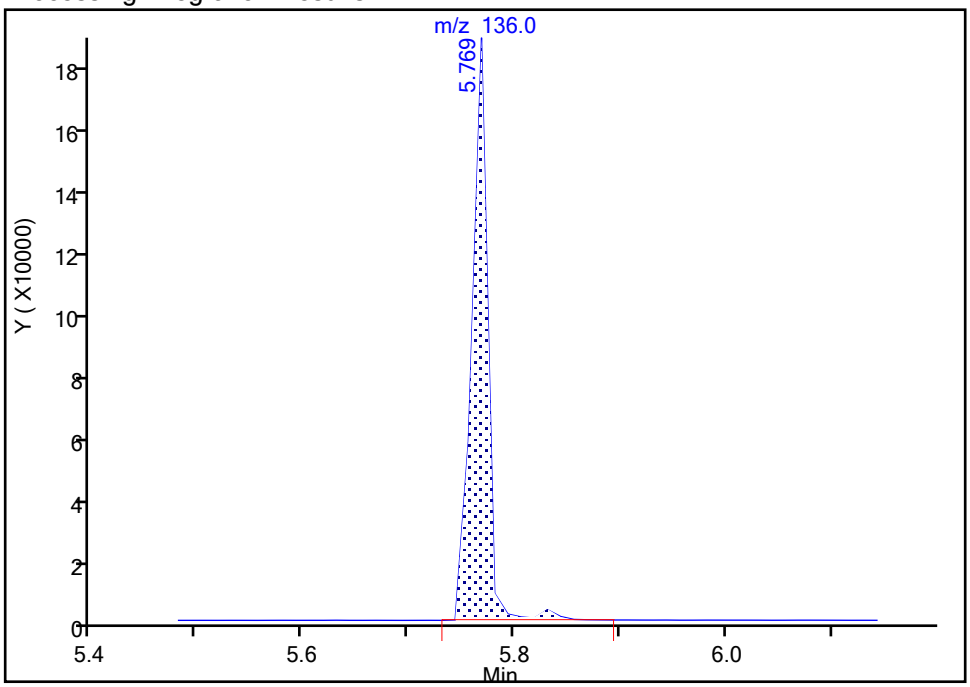
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0454.D				
Injection Date:	22-Feb-2023 00:19:30	Instrument ID:	HP23263		
Lims ID:	IC L3				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

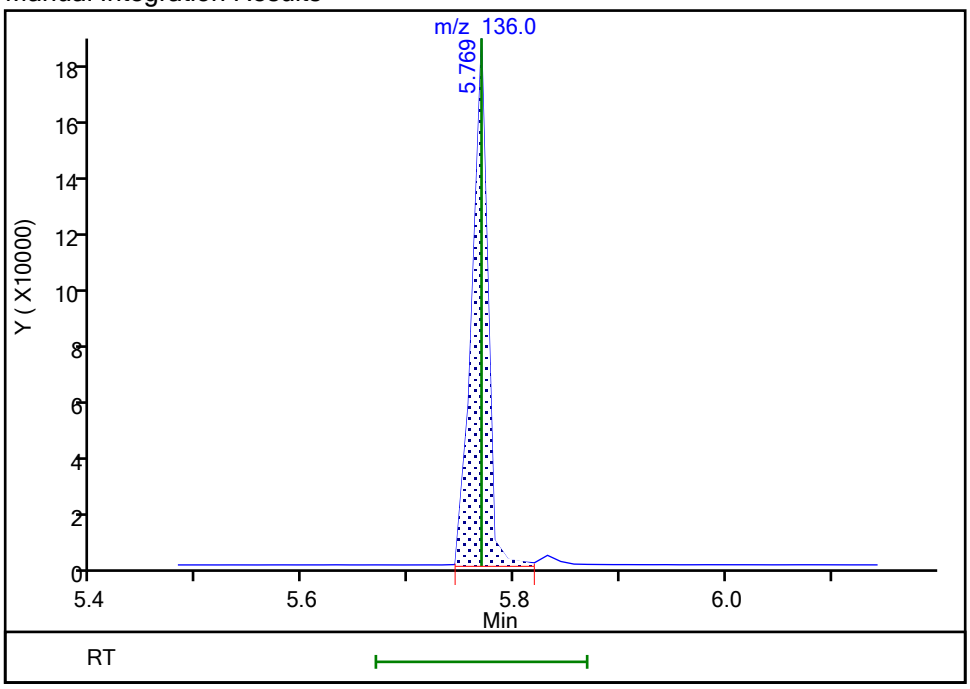
Processing Integration Results

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

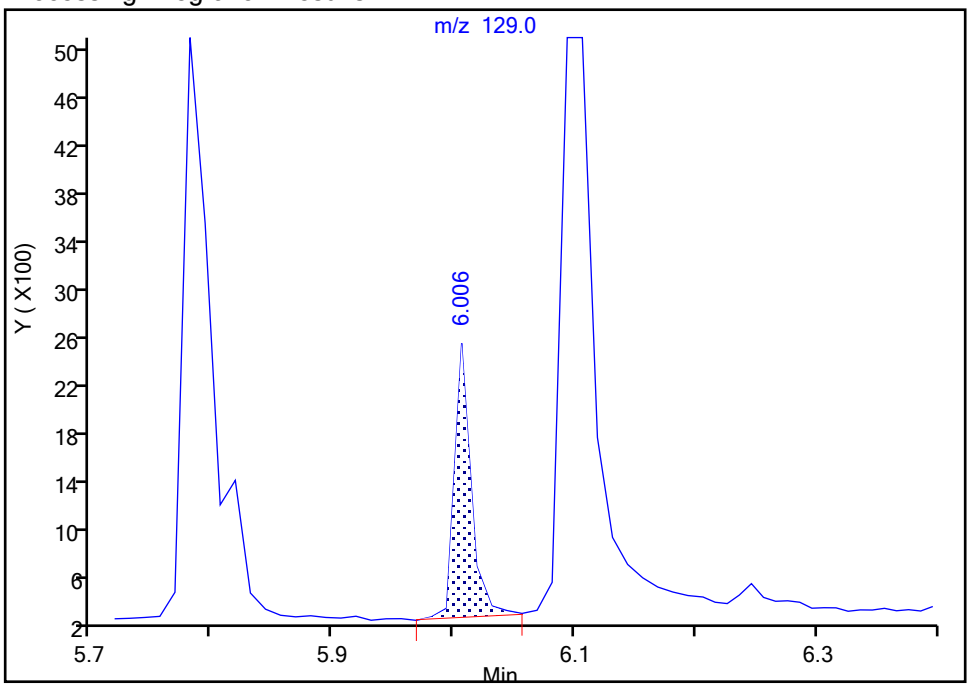
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0454.D				
Injection Date:	22-Feb-2023 00:19:30	Instrument ID:	HP23263		
Lims ID:	IC L3				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

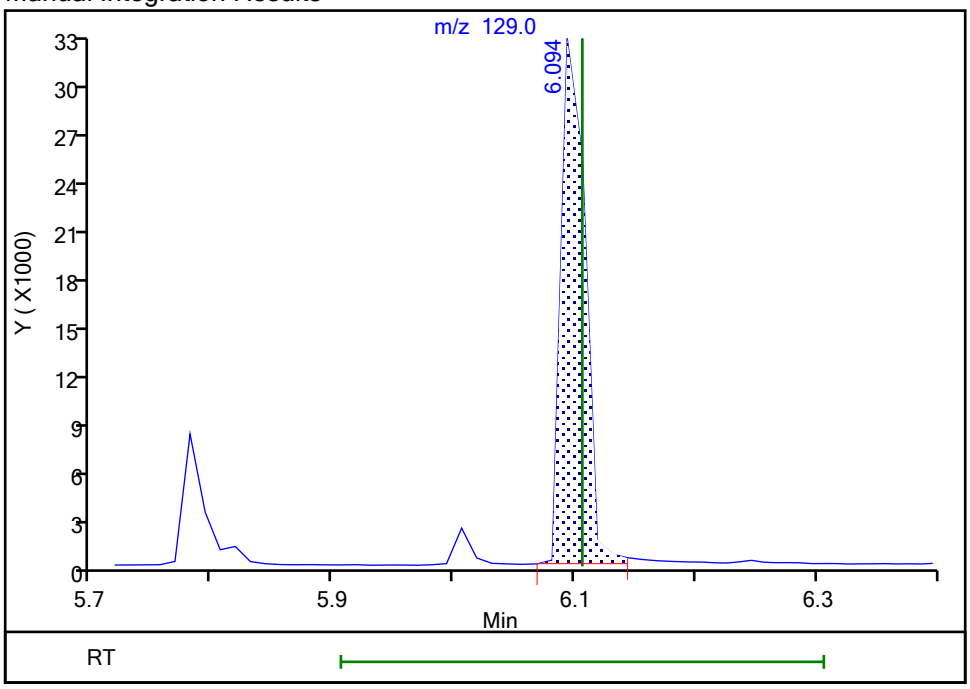
Processing Integration Results

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

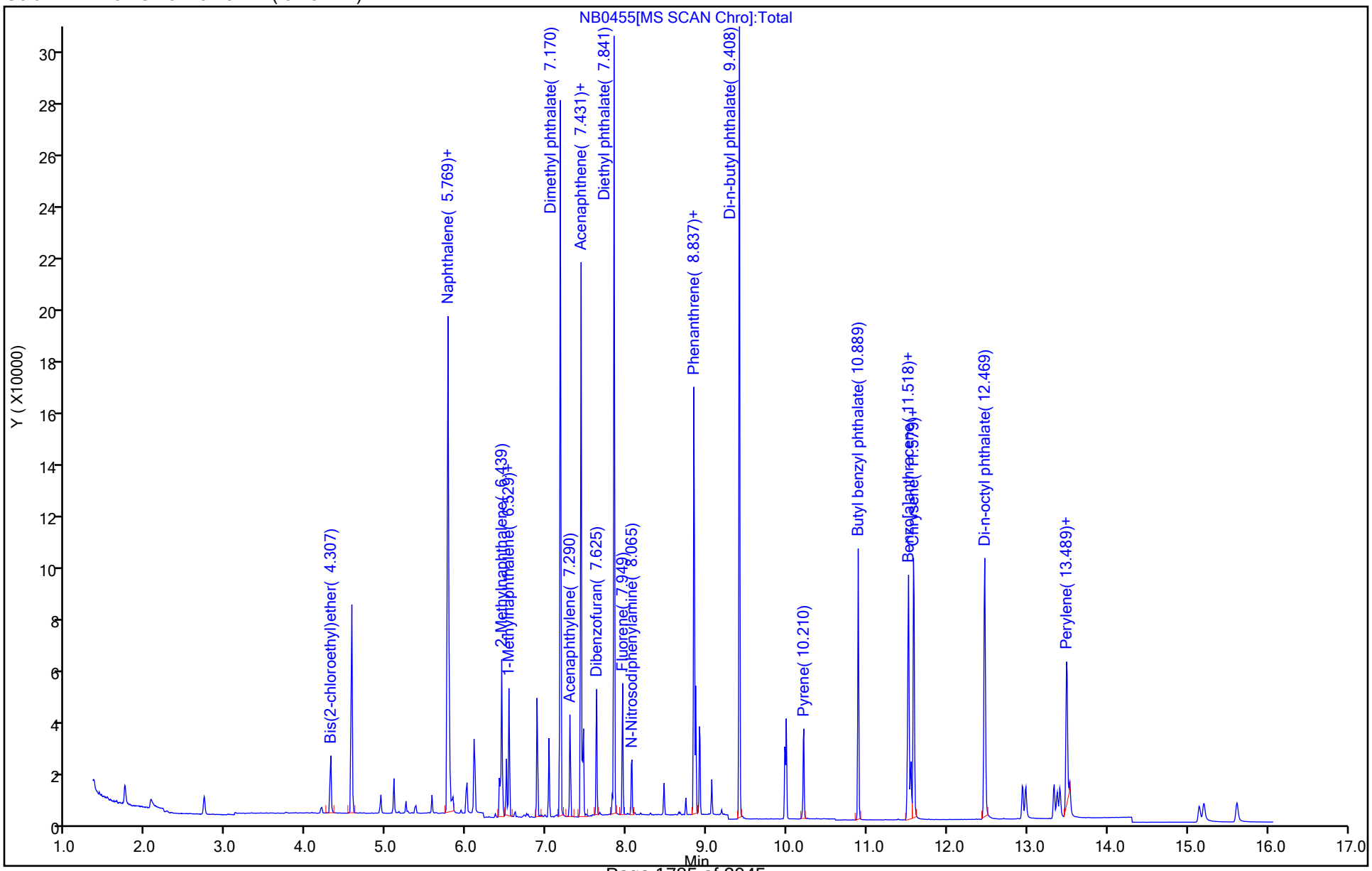
Report Date: 22-Feb-2023 03:33:44 Chrom Revision: 2.3 15-Feb-2023 20:44:50

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

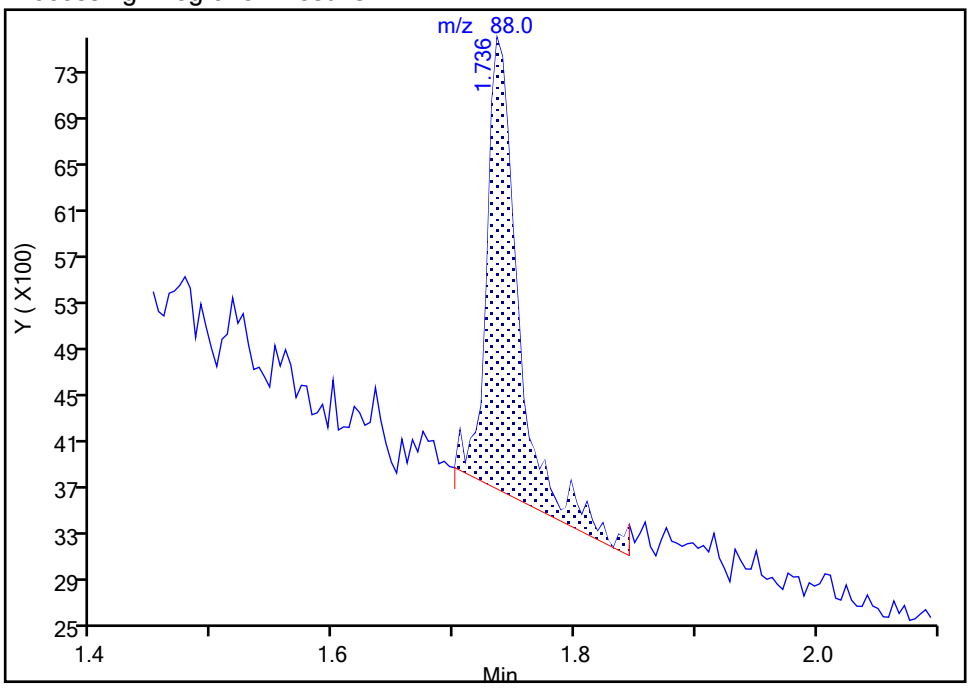
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0455.D				
Injection Date:	22-Feb-2023 00:40:30	Instrument ID:	HP23263		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

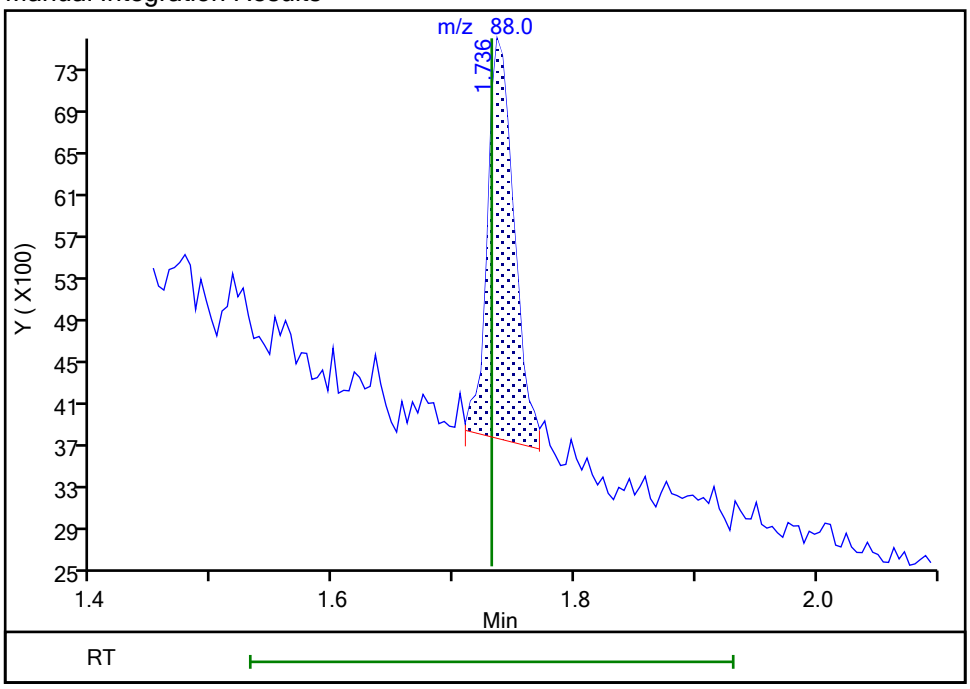
Processing Integration Results

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

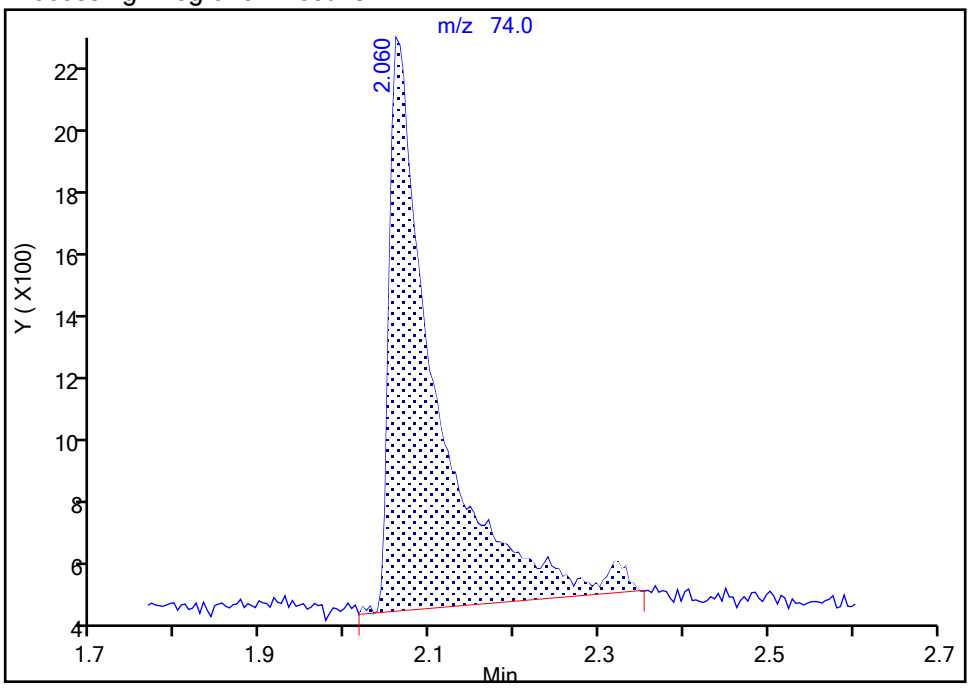
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0455.D				
Injection Date:	22-Feb-2023 00:40:30	Instrument ID:	HP23263		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

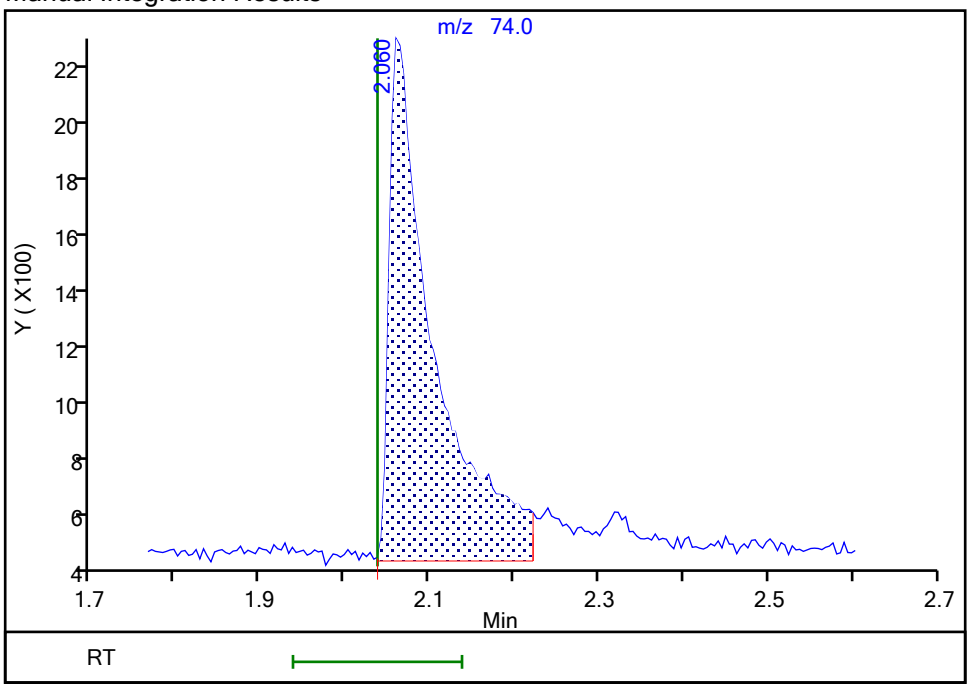
Processing Integration Results

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

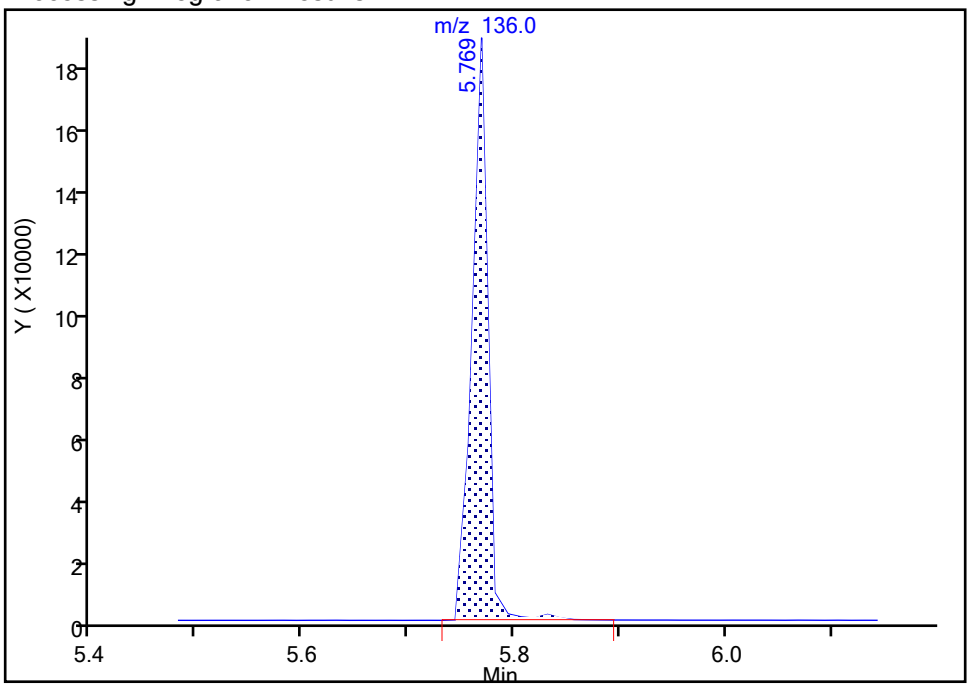
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0455.D				
Injection Date:	22-Feb-2023 00:40:30	Instrument ID:	HP23263		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

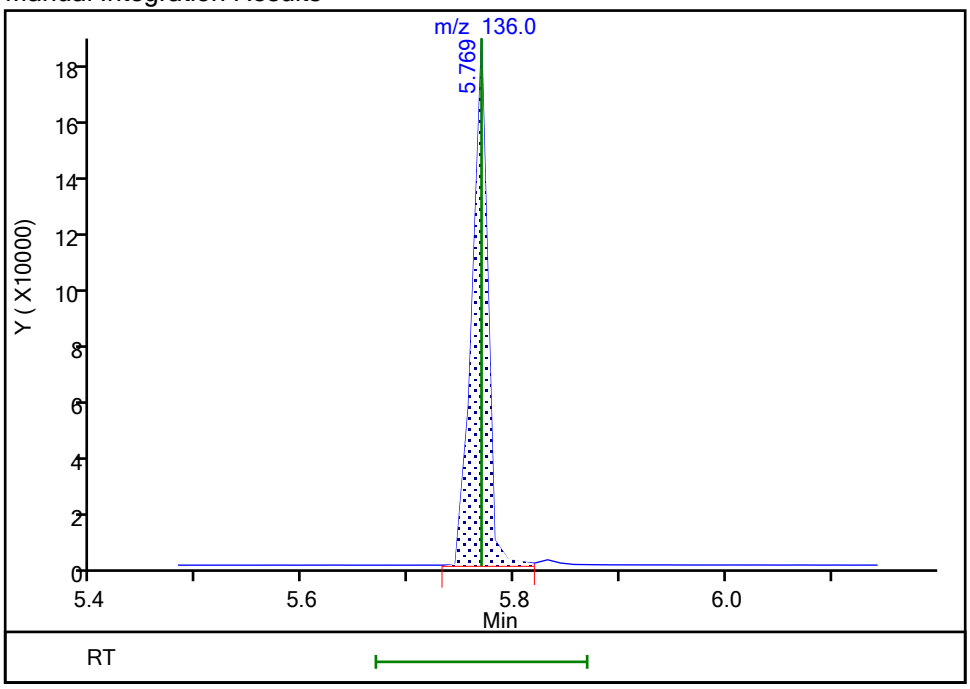
Processing Integration Results

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

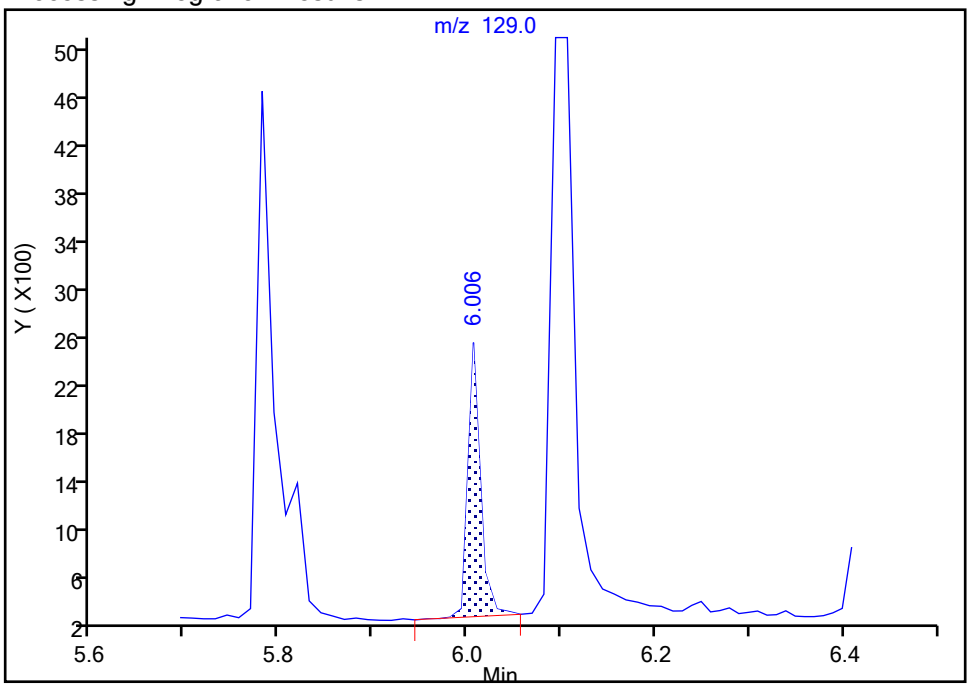
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0455.D				
Injection Date:	22-Feb-2023 00:40:30	Instrument ID:	HP23263		
Lims ID:	IC L2				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

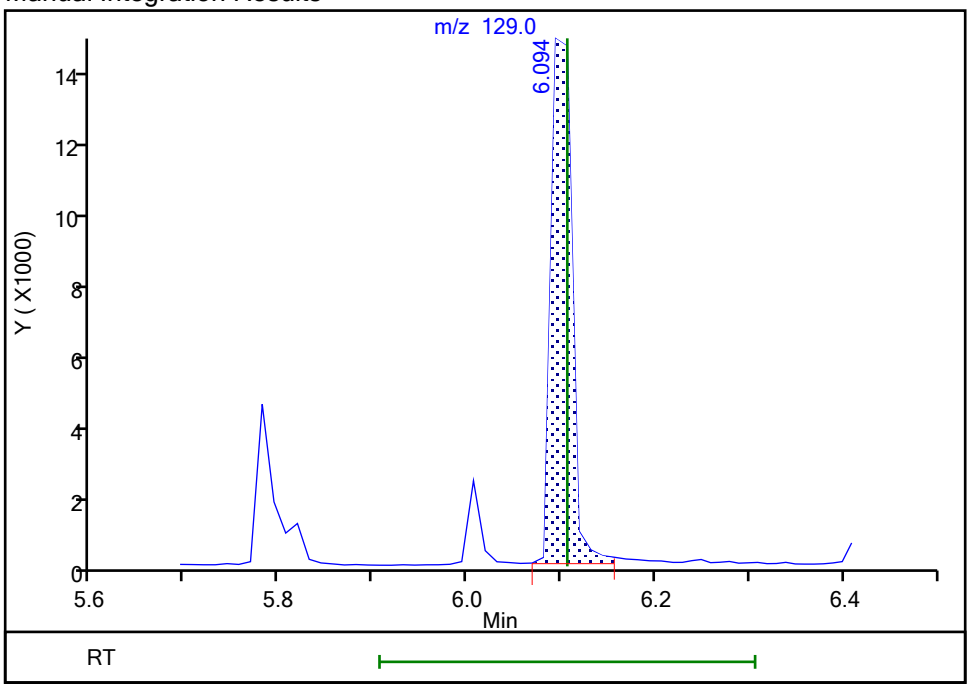
Processing Integration Results

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

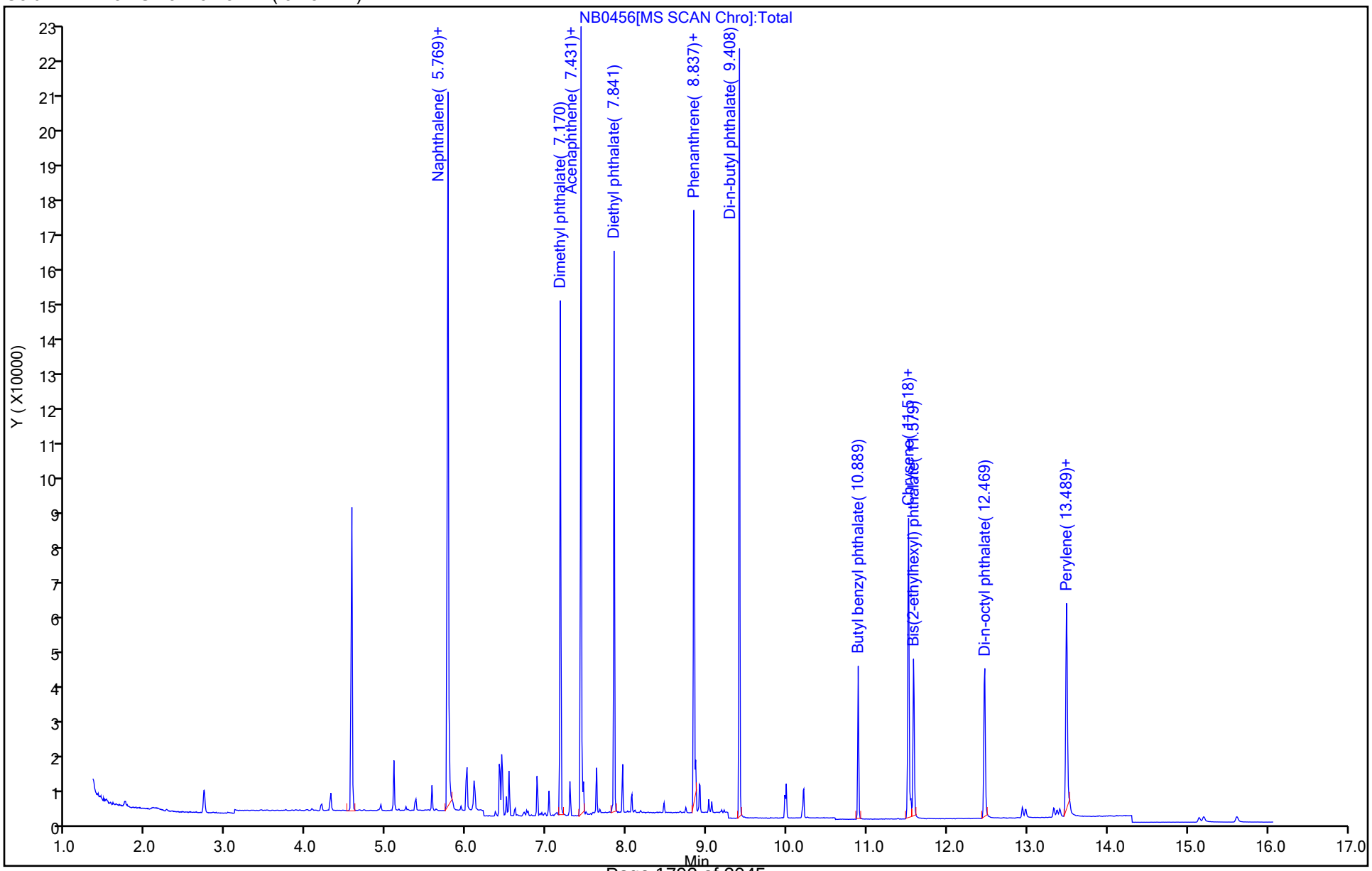
Report Date: 22-Feb-2023 03:33:47 Chrom Revision: 2.3 15-Feb-2023 20:44:50

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

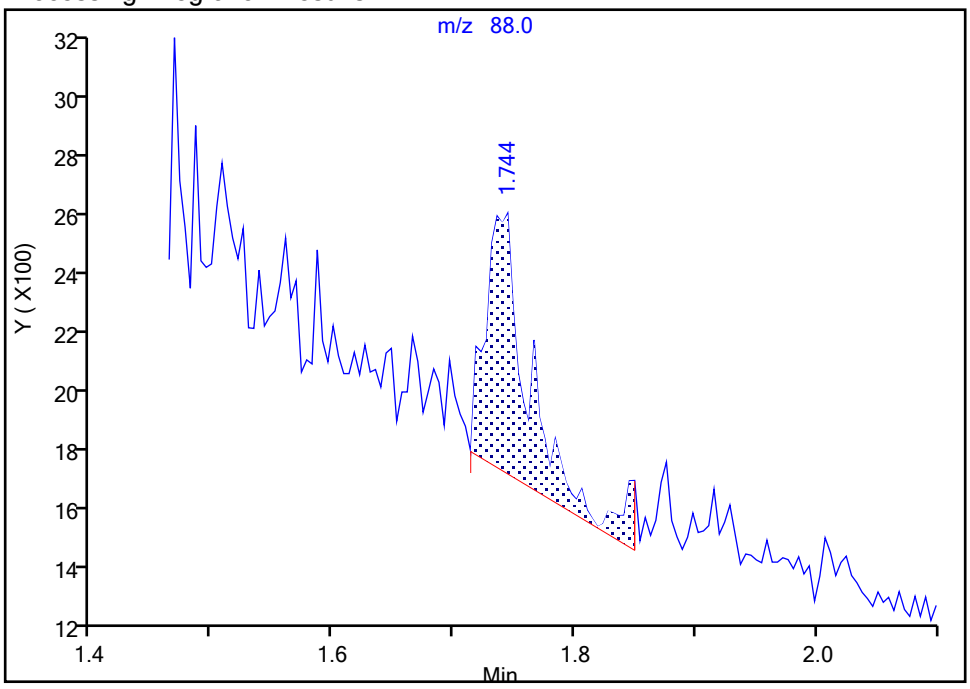
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

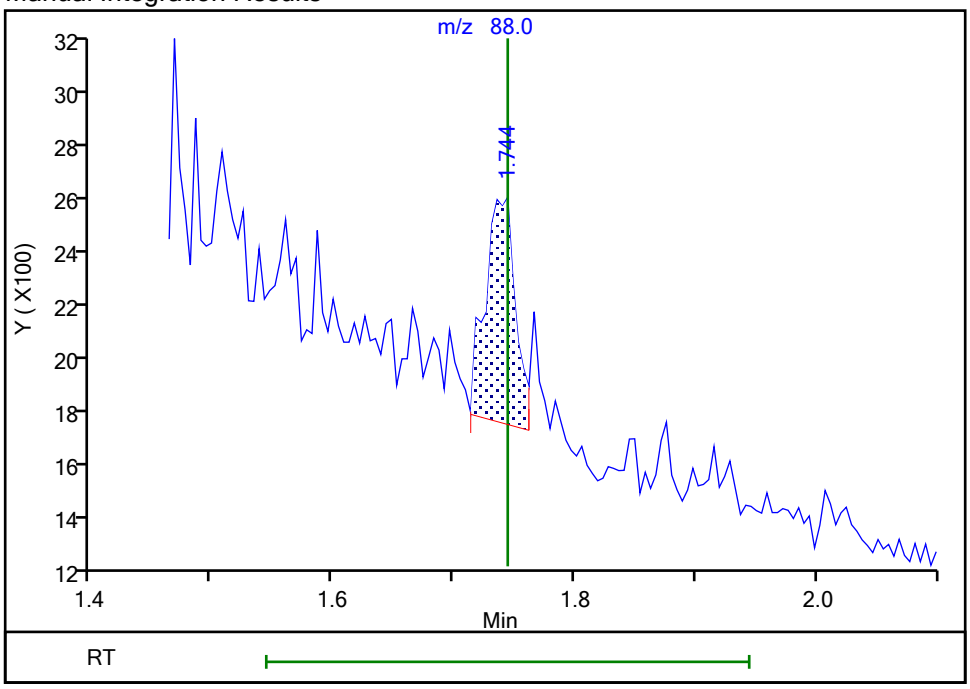
Processing Integration Results

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

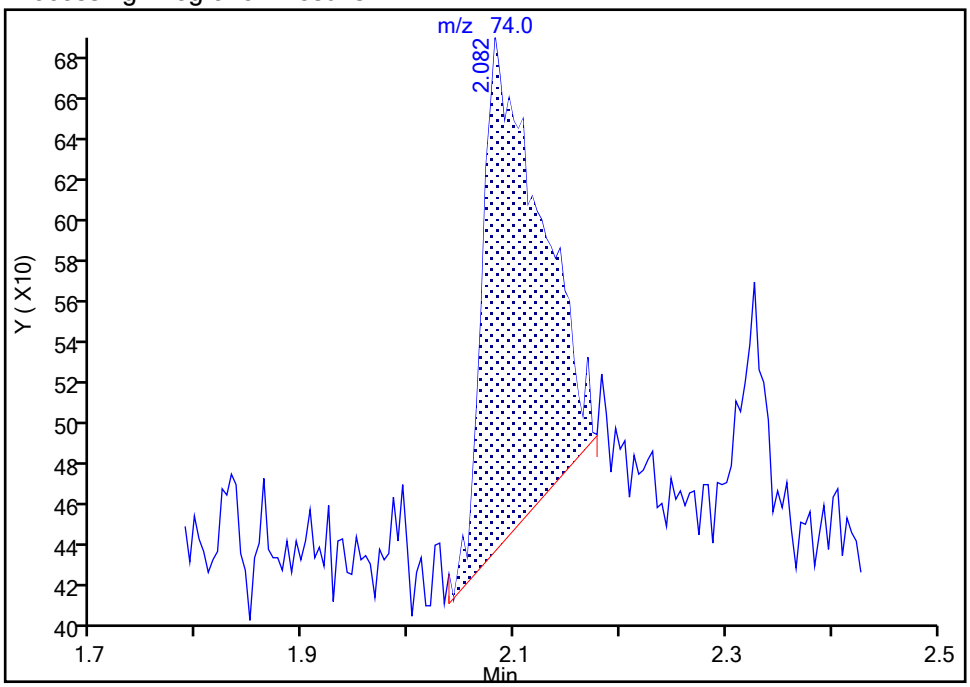
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D
Injection Date: 22-Feb-2023 01:02:30 Instrument ID: HP23263
Lims ID: IC L1
Client ID:
Operator ID: kel10217 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

2 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

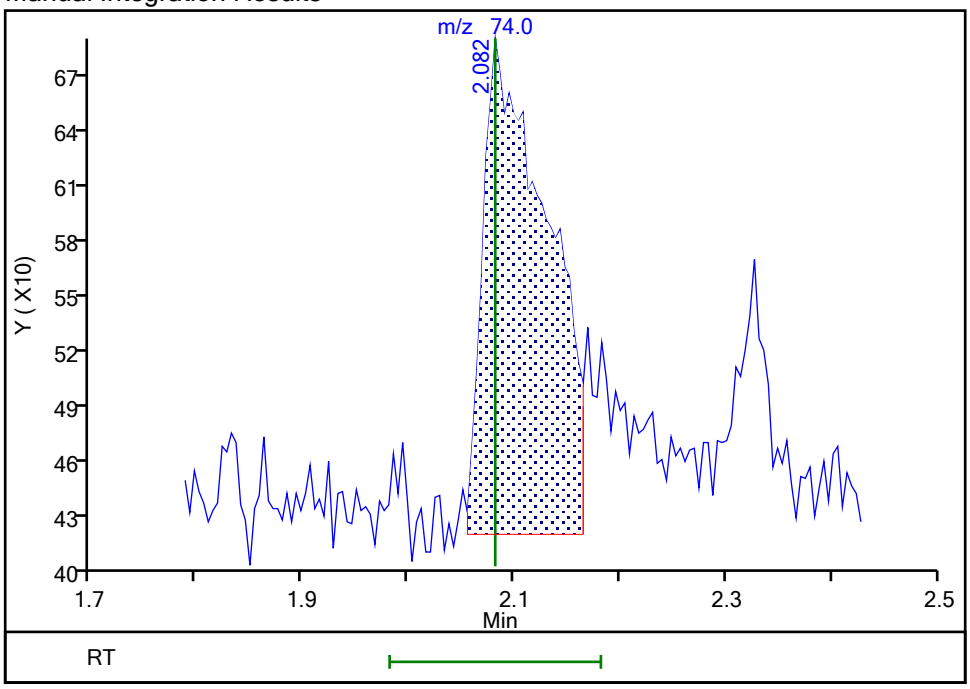
Processing Integration Results

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

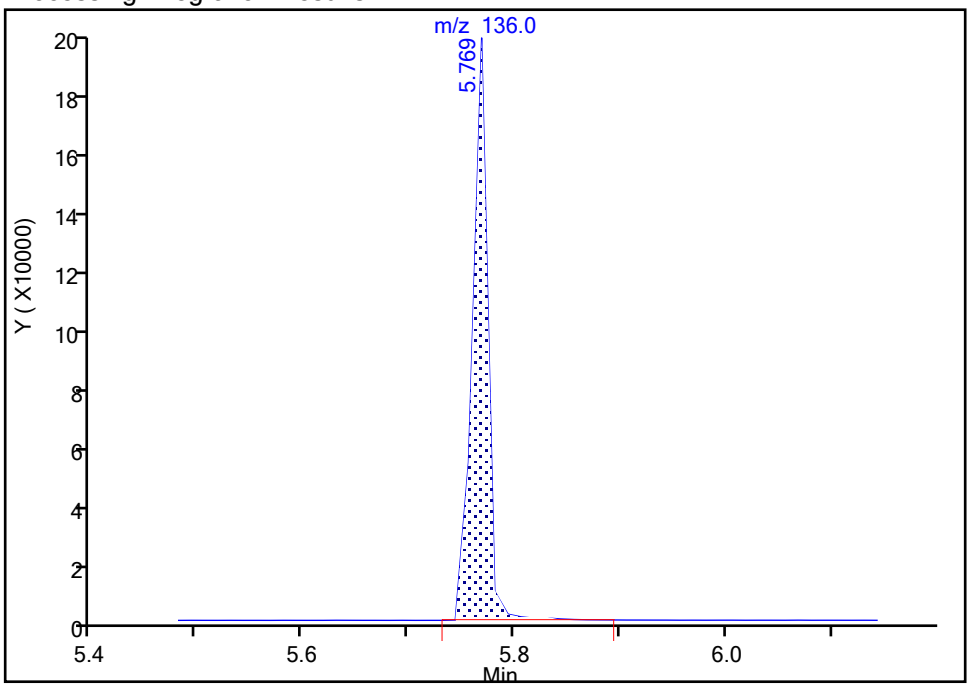
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D
Injection Date: 22-Feb-2023 01:02:30 Instrument ID: HP23263
Lims ID: IC L1
Client ID:
Operator ID: kel10217 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

* 5 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

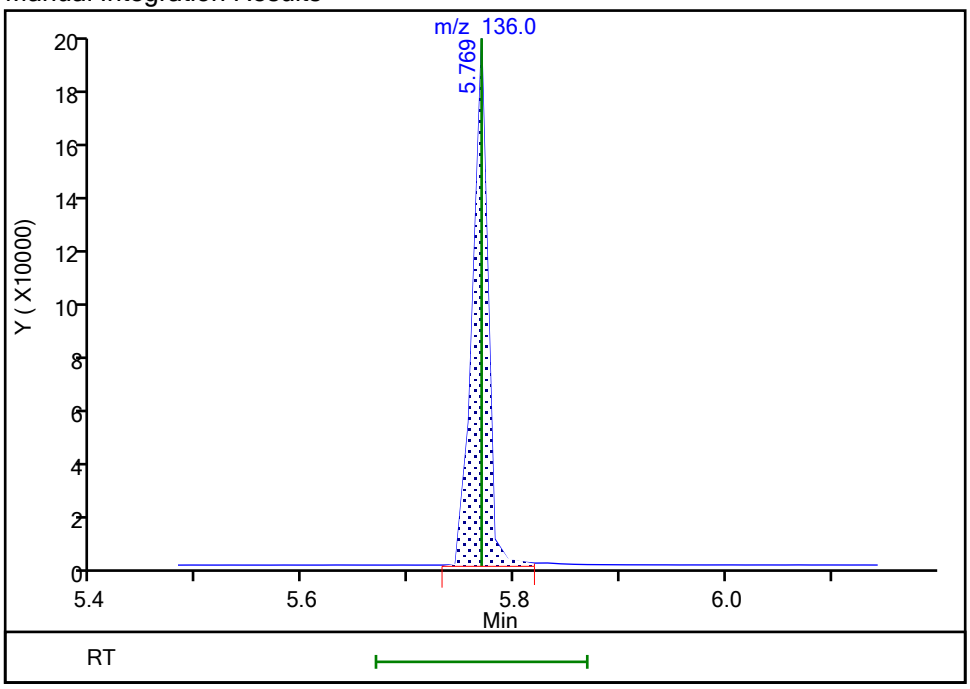
Processing Integration Results

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

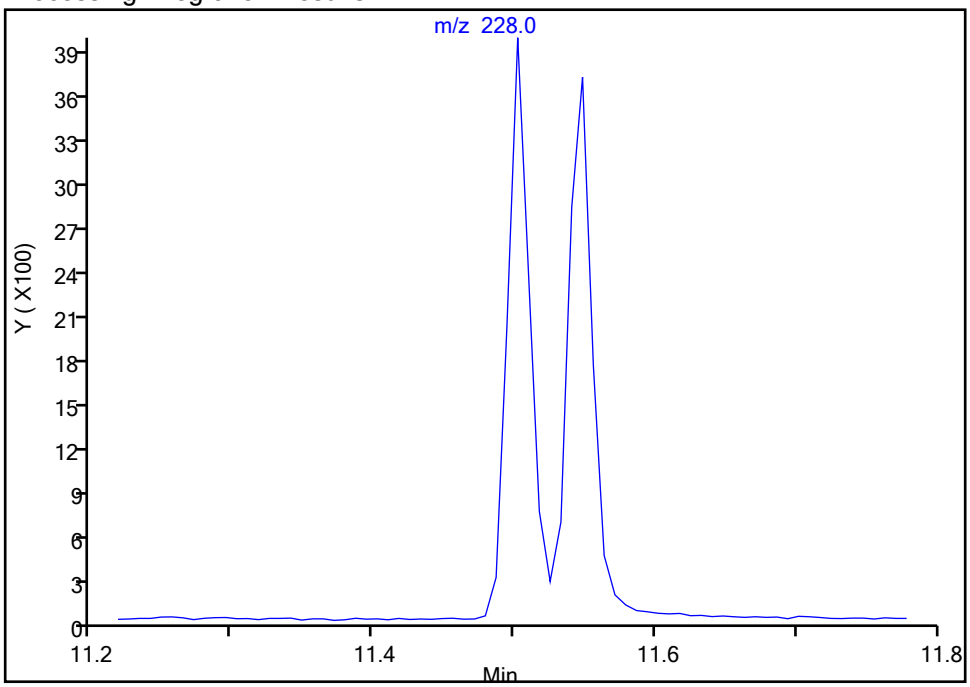
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

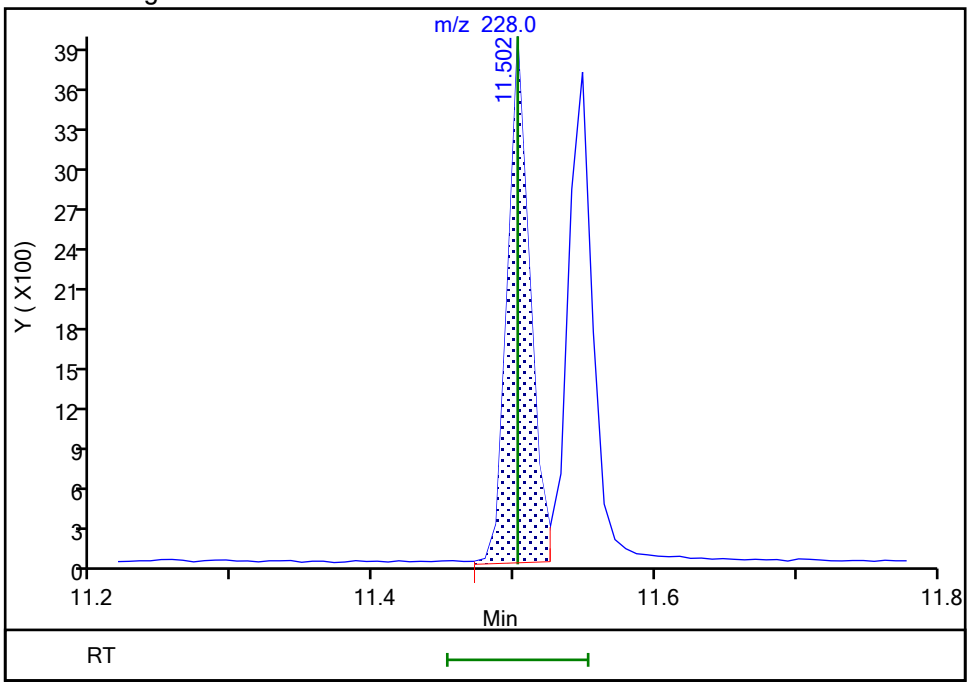
Not Detected
Expected RT: 11.50

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

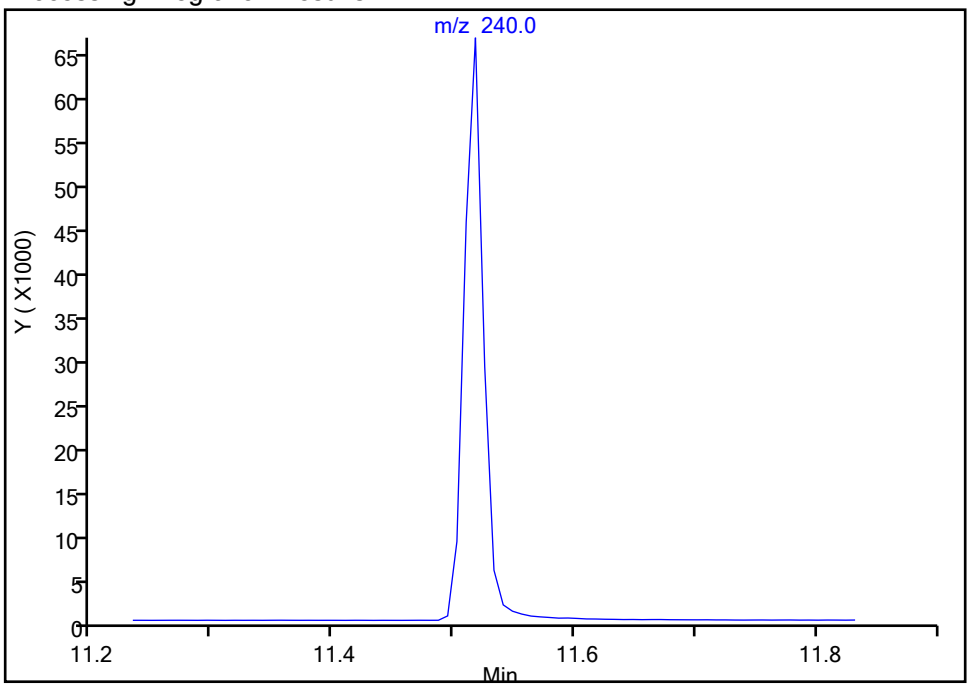
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

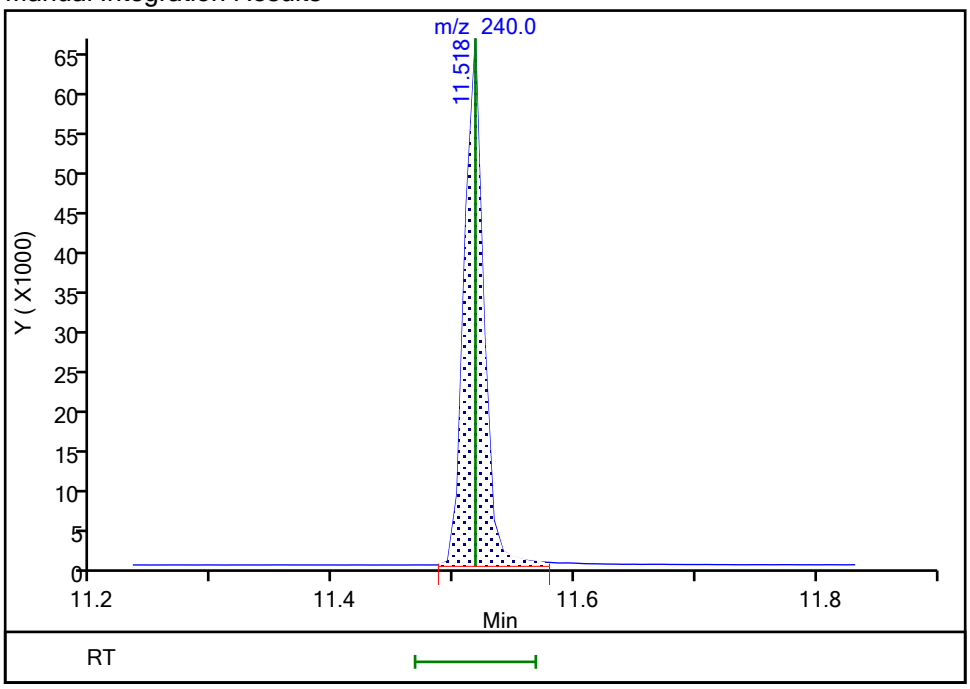
Not Detected
Expected RT: 11.52

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

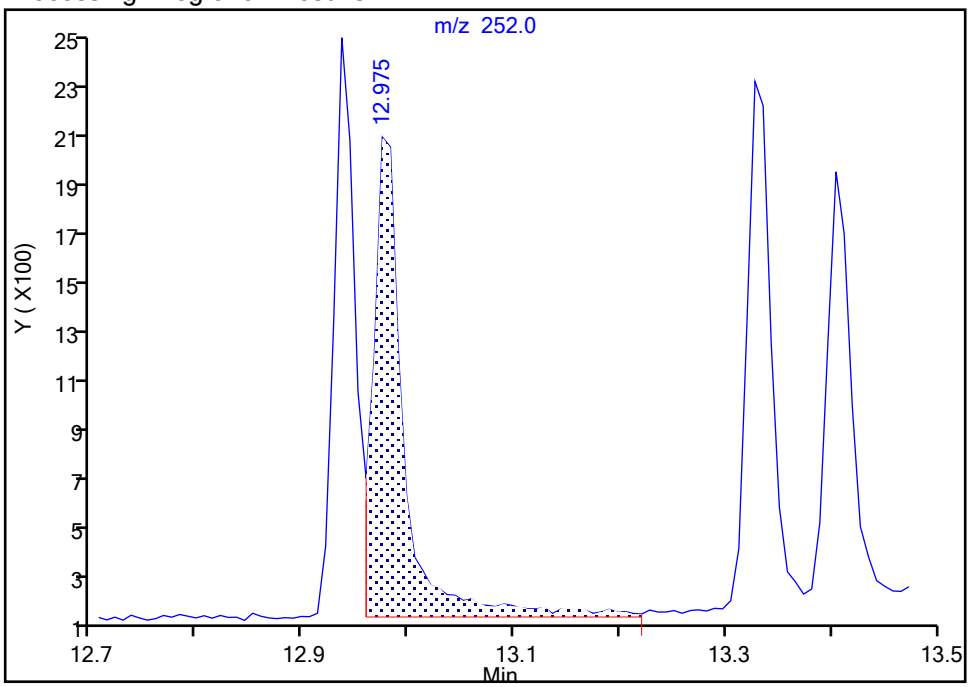
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

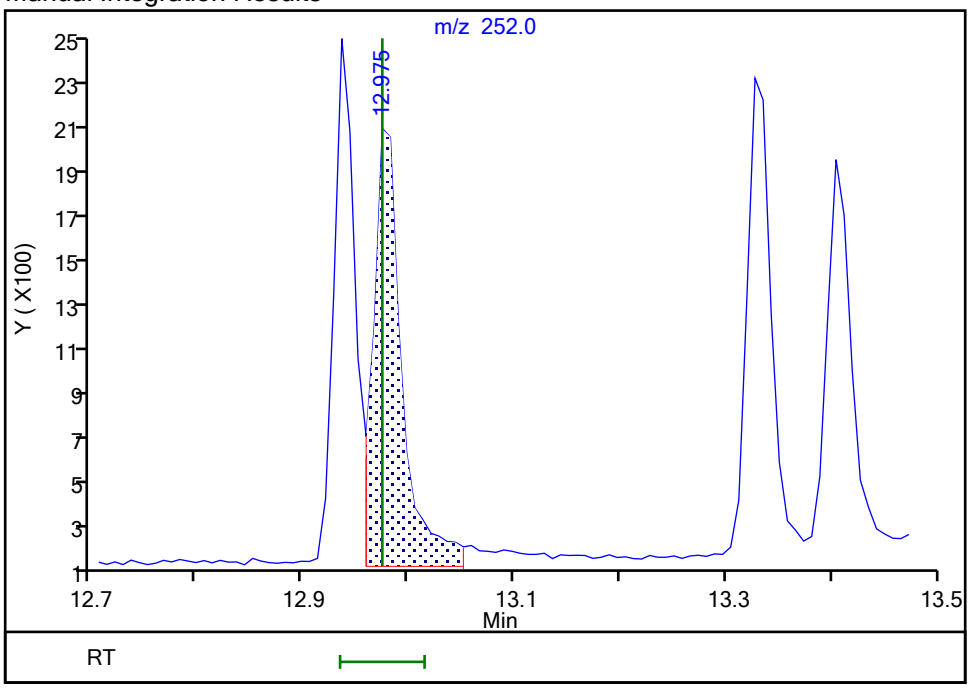
Processing Integration Results

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

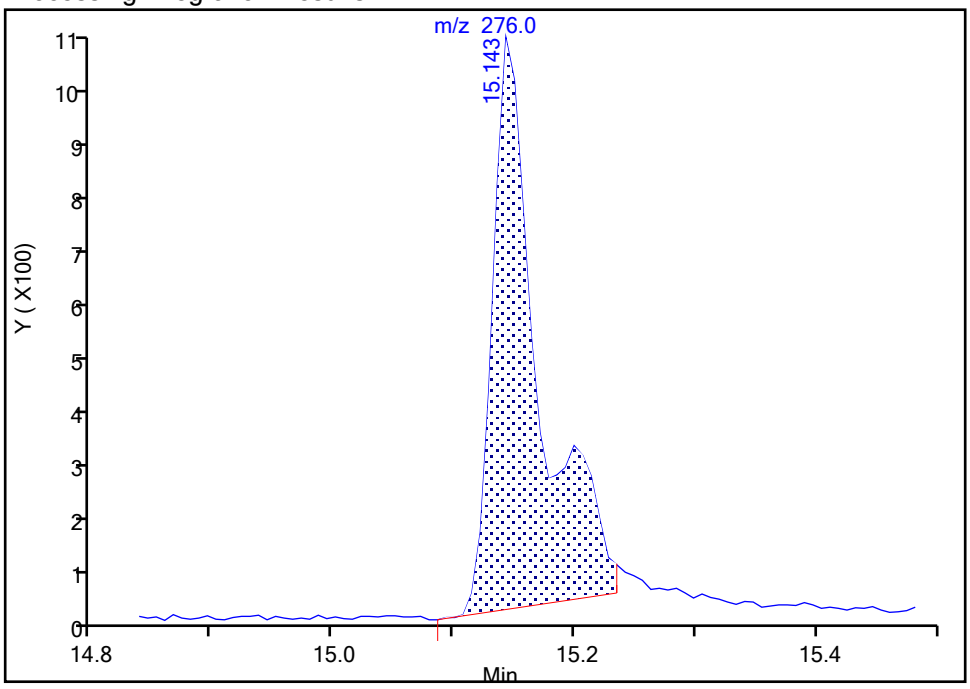
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

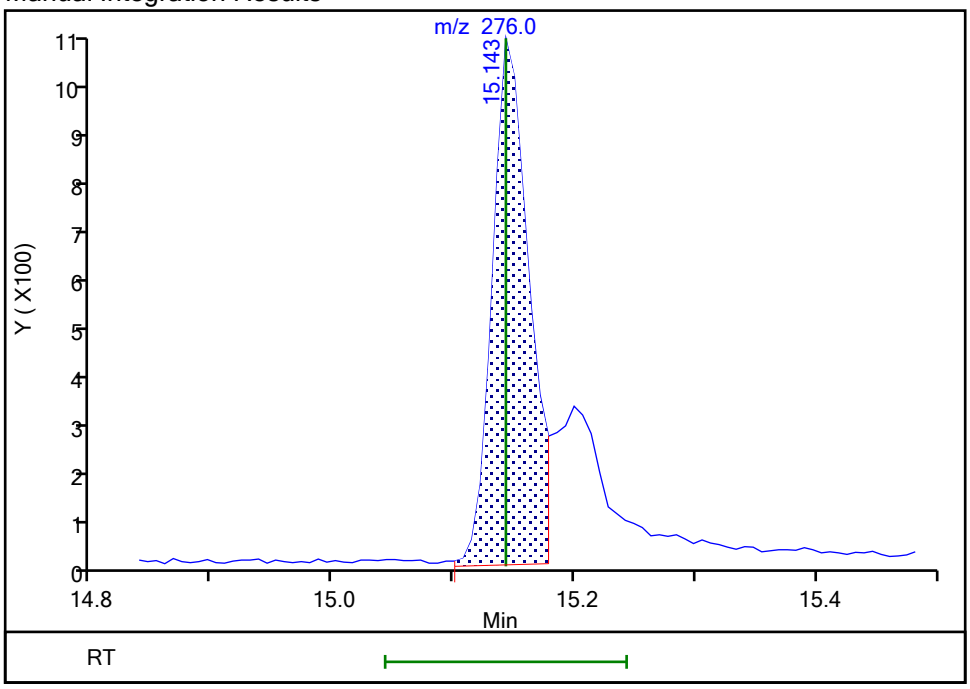
Processing Integration Results

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

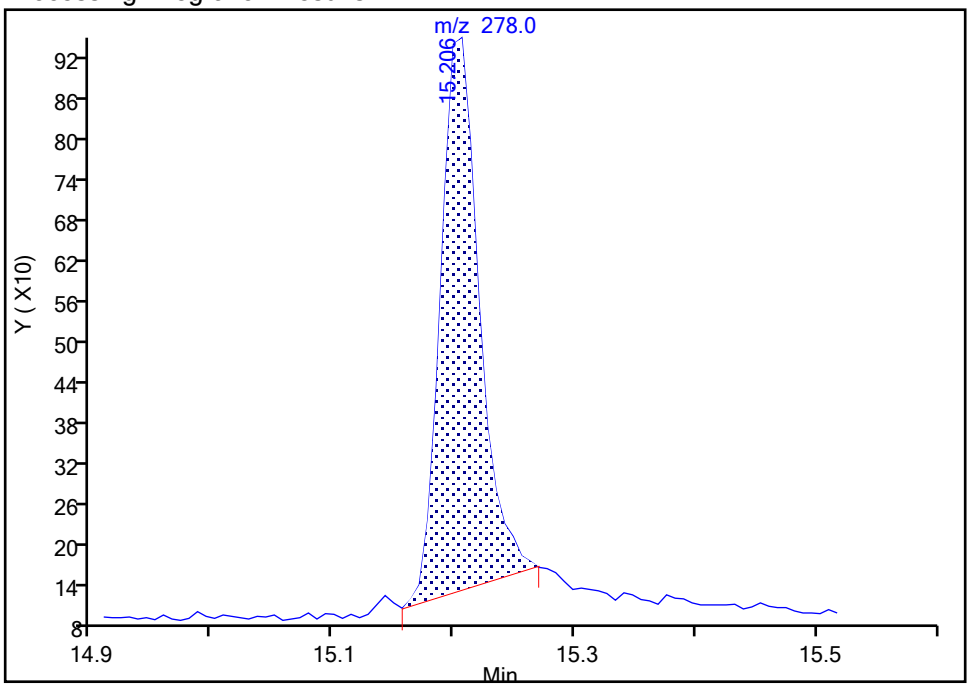
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

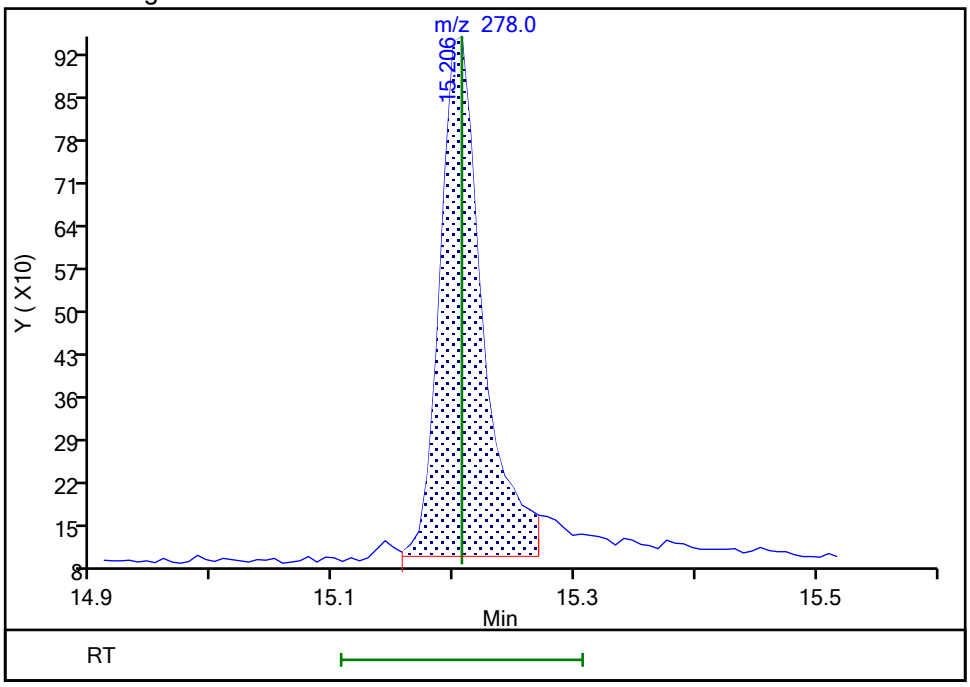
Processing Integration Results

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

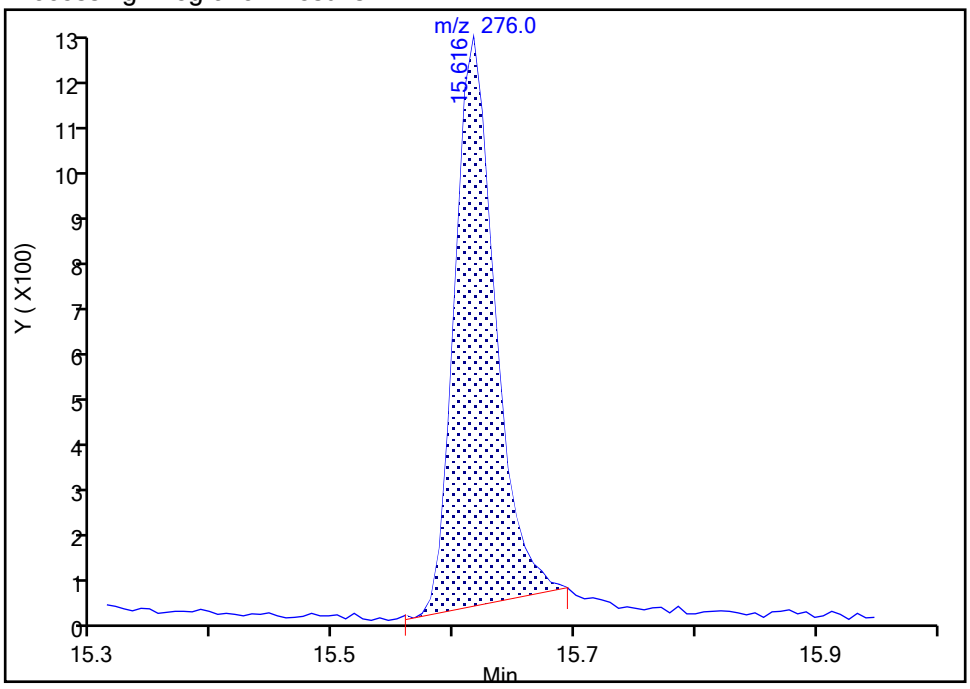
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0456.D				
Injection Date:	22-Feb-2023 01:02:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

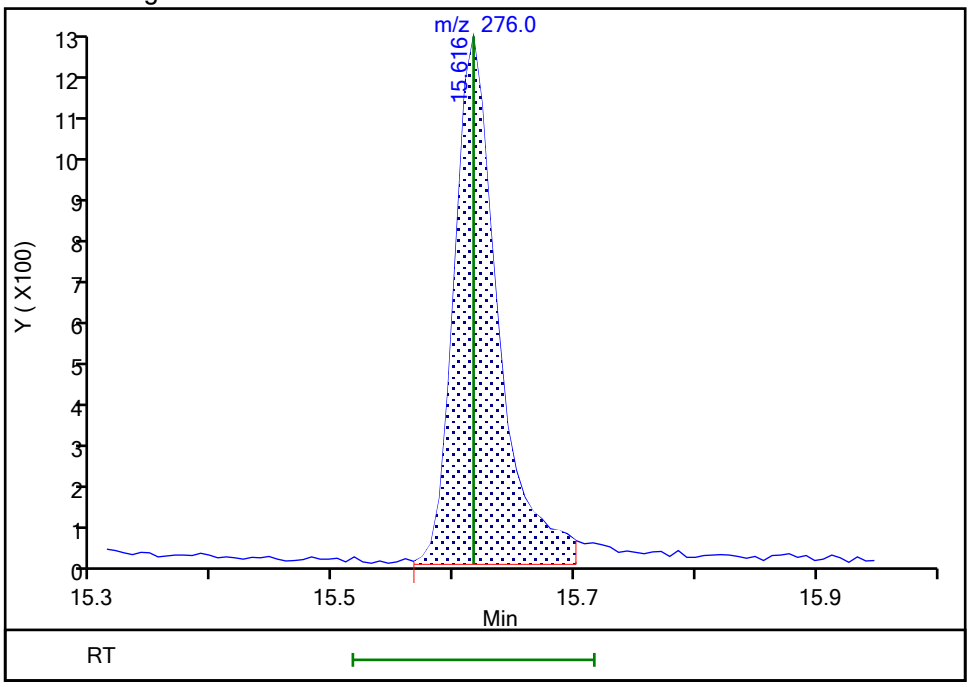
Processing Integration Results

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

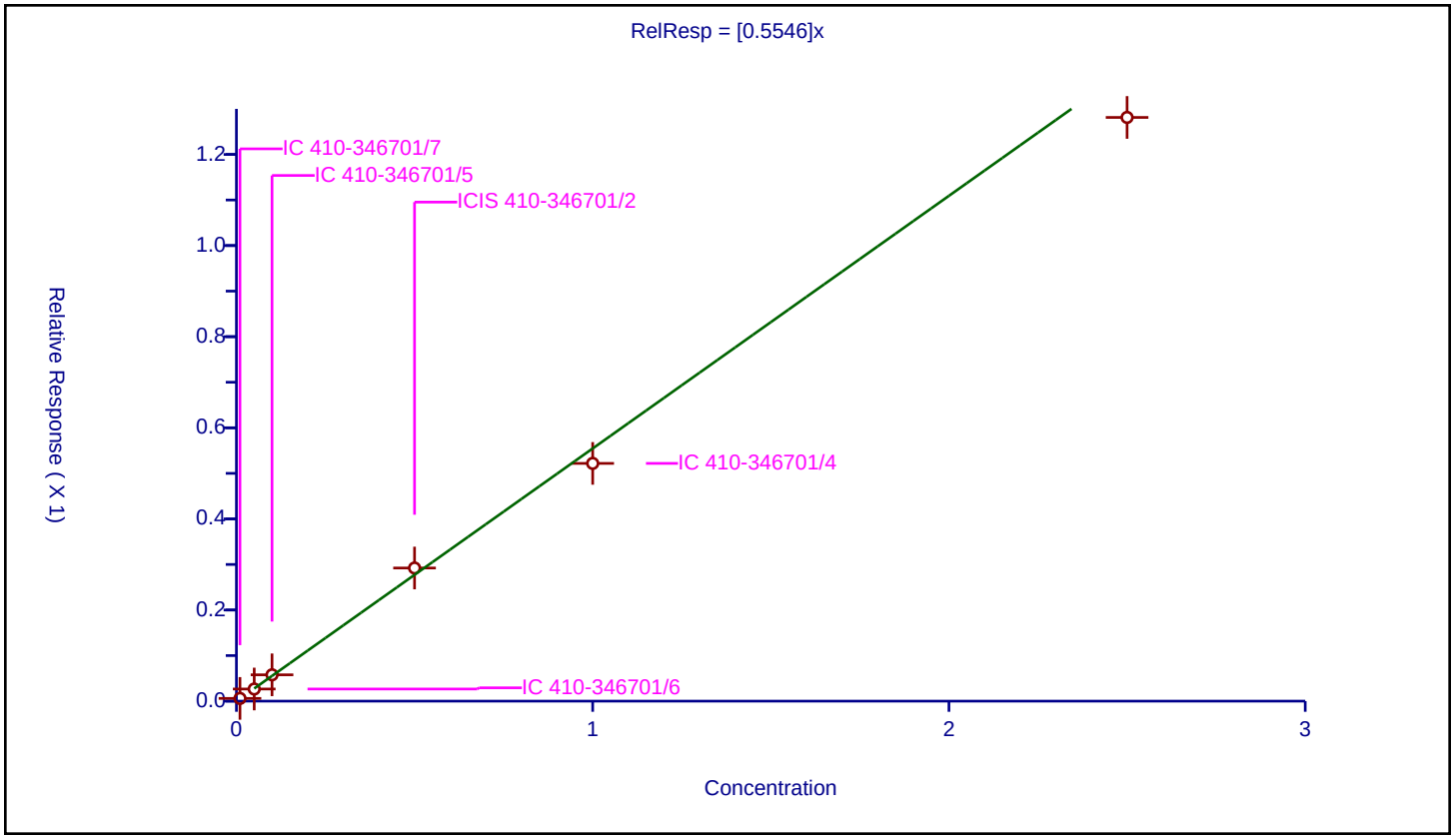
Curve Coefficients

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

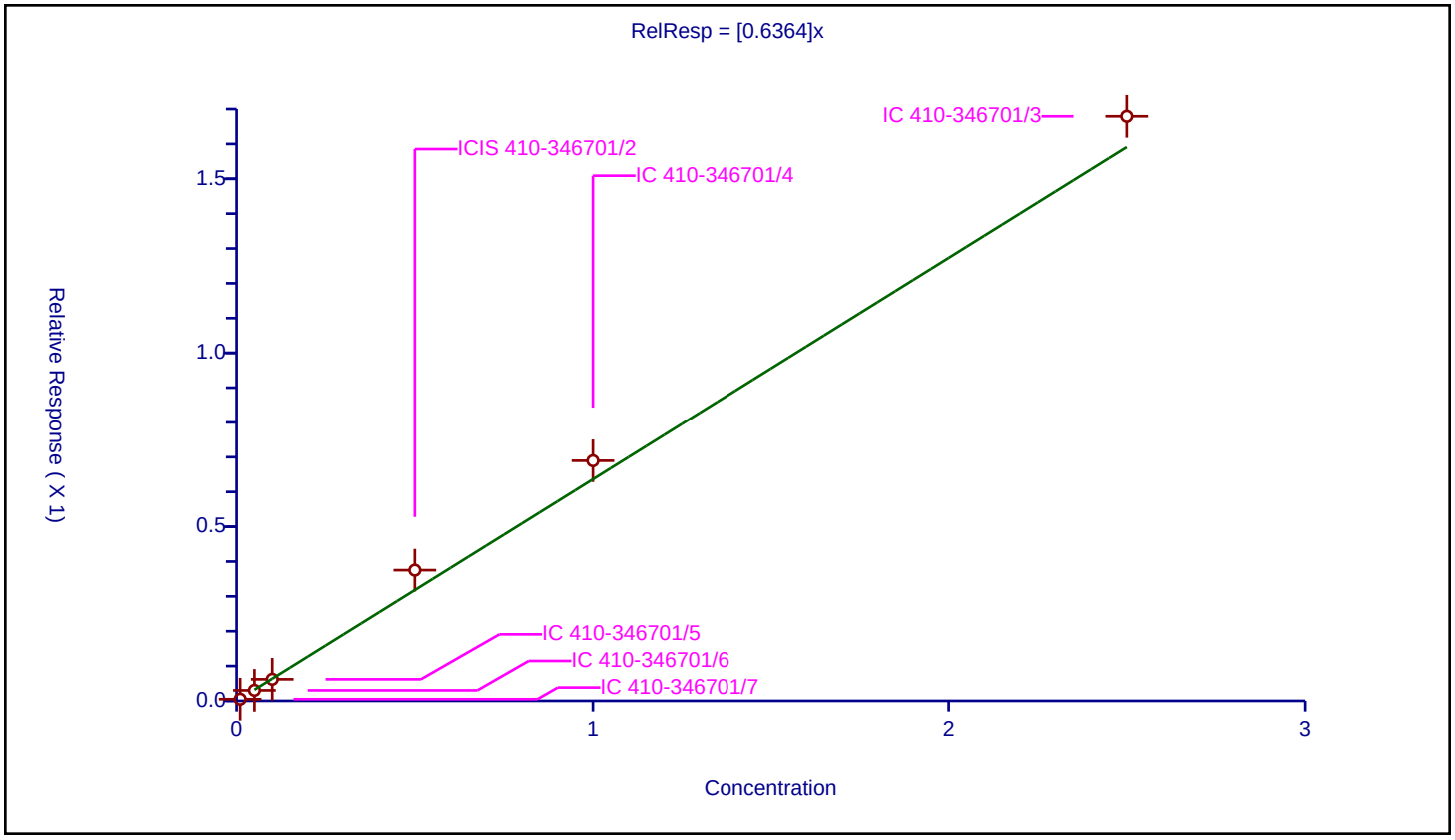
Curve Coefficients

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

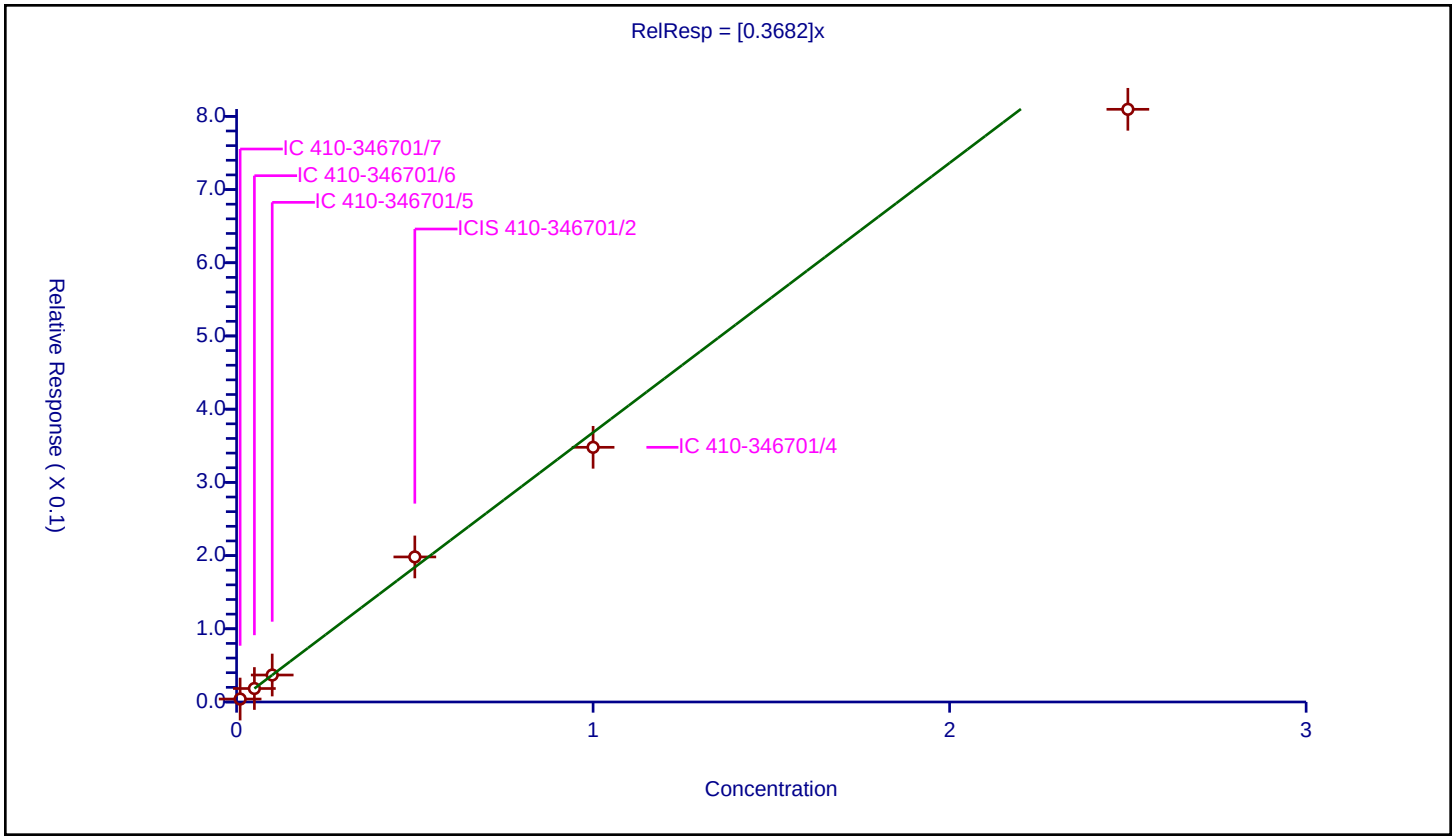
Curve Coefficients

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

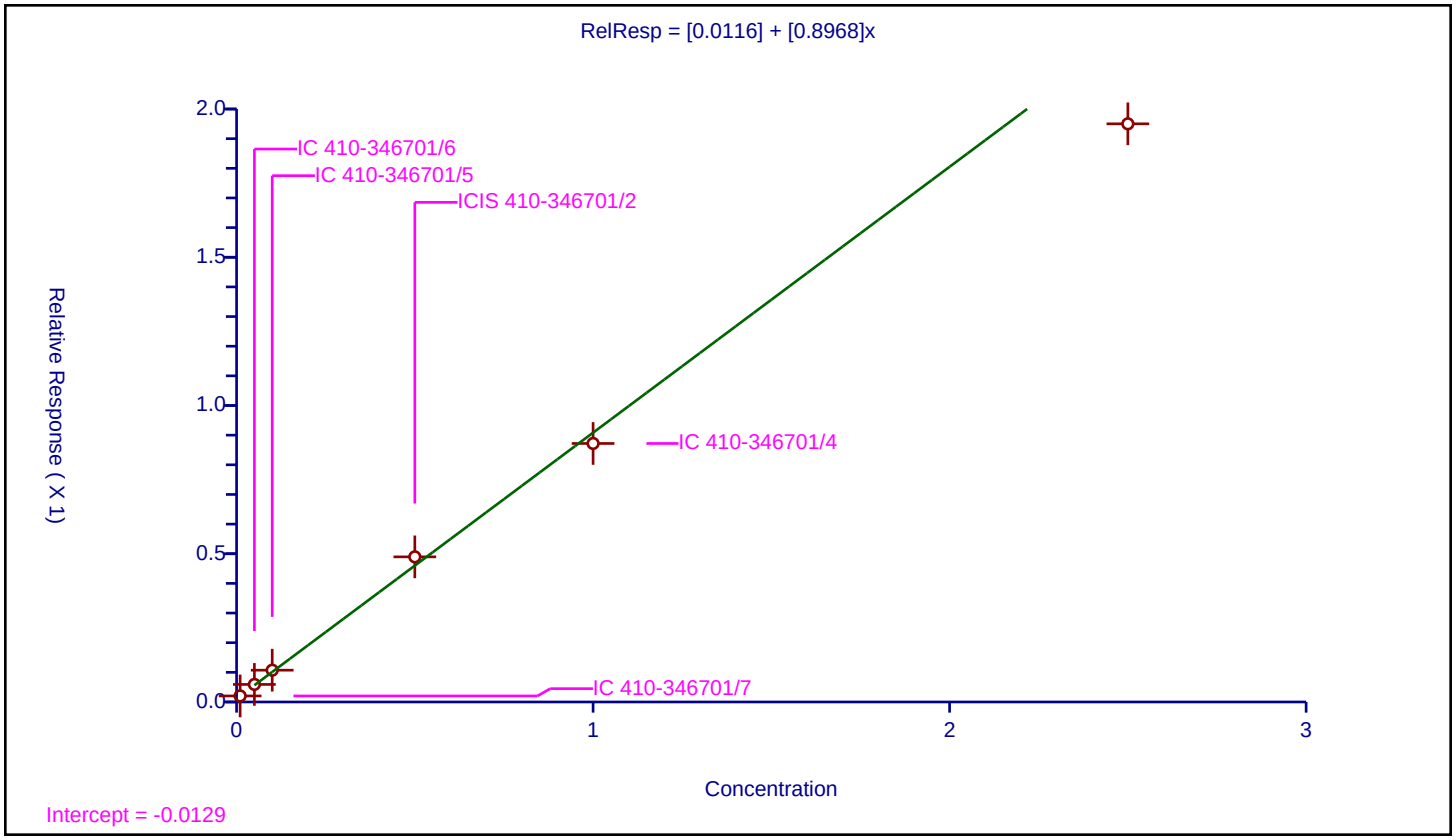
Curve Coefficients

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

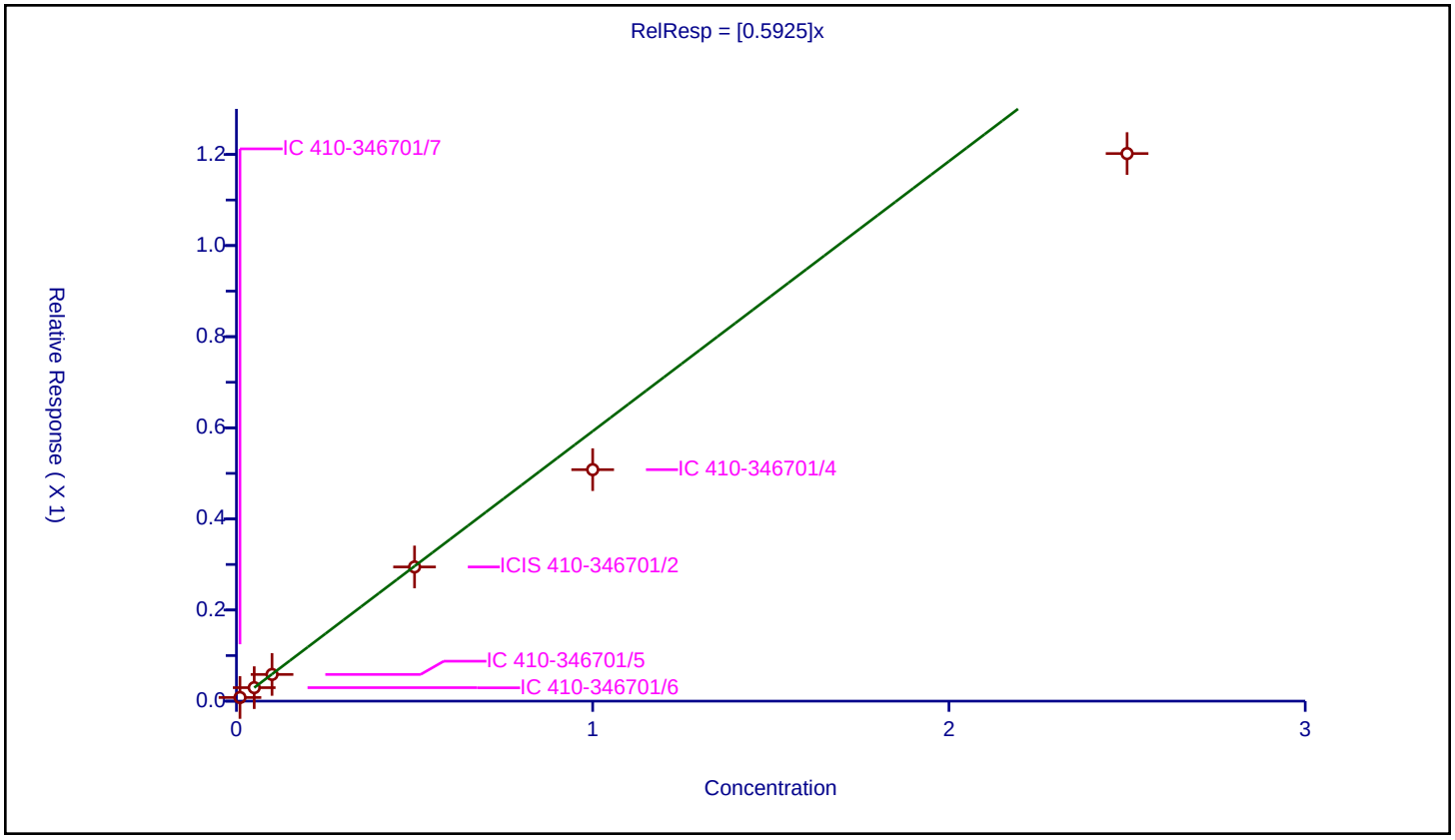
Curve Coefficients

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

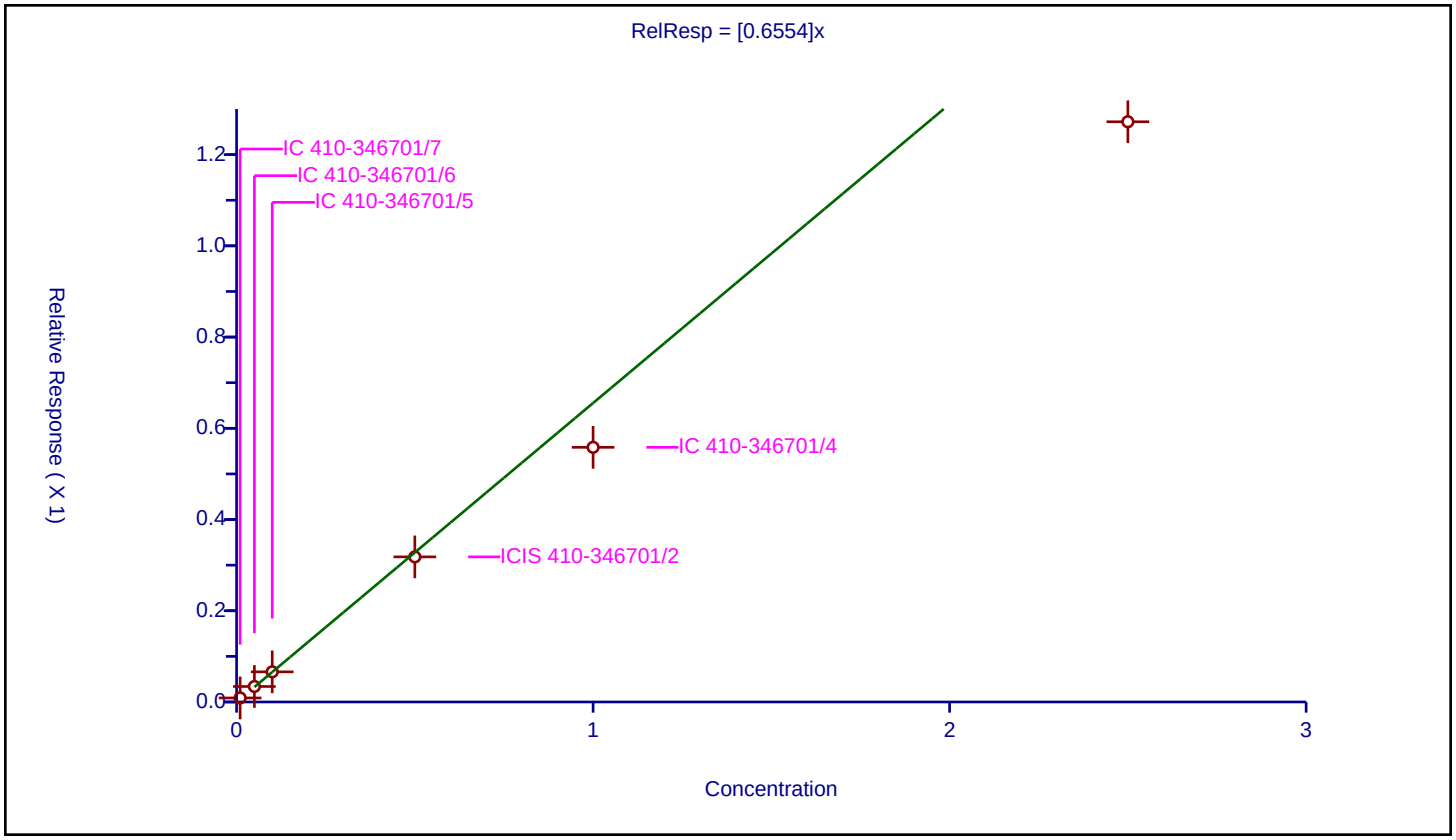
Curve Coefficients

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

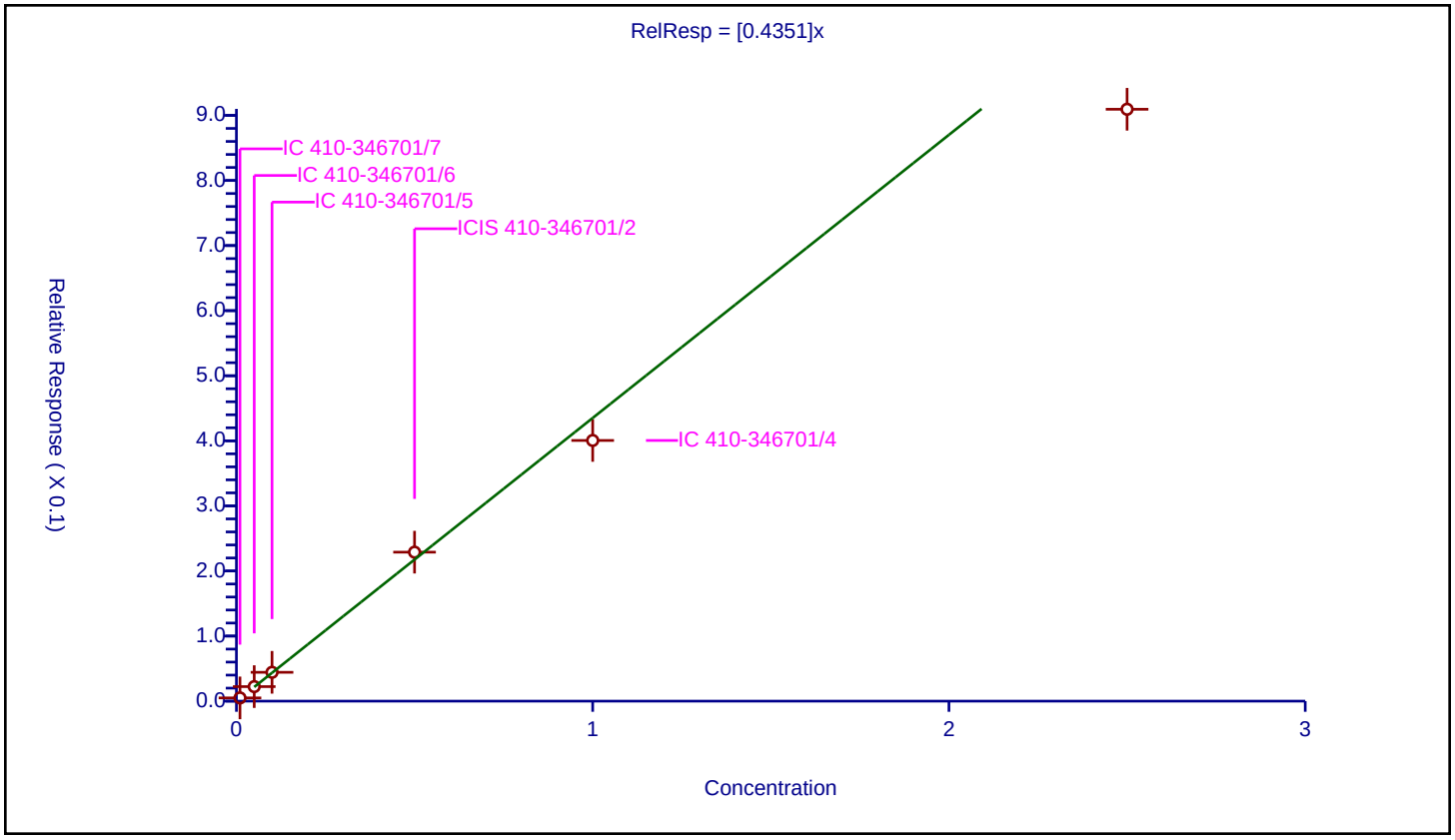
Curve Coefficients

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

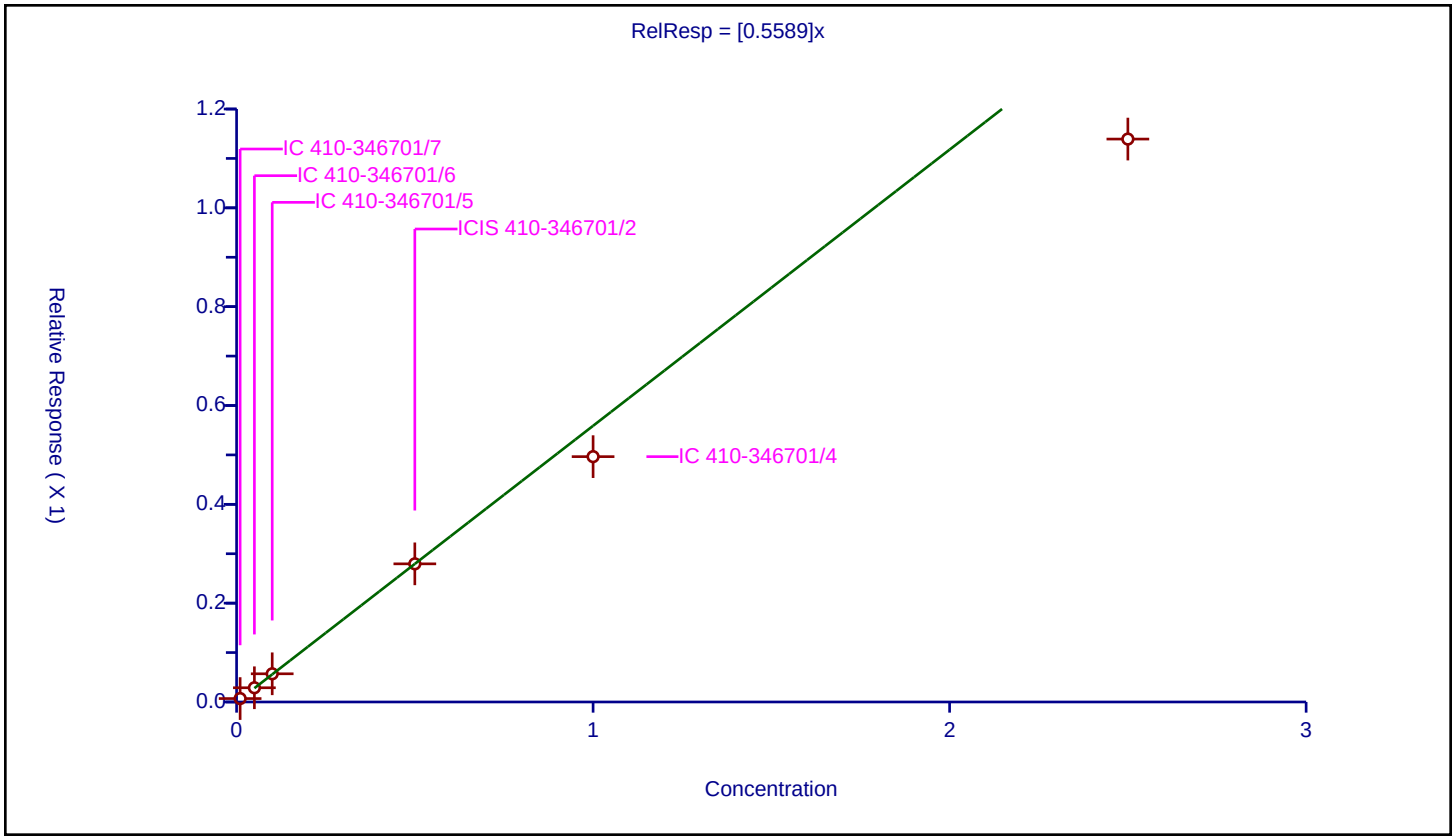
Curve Coefficients

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

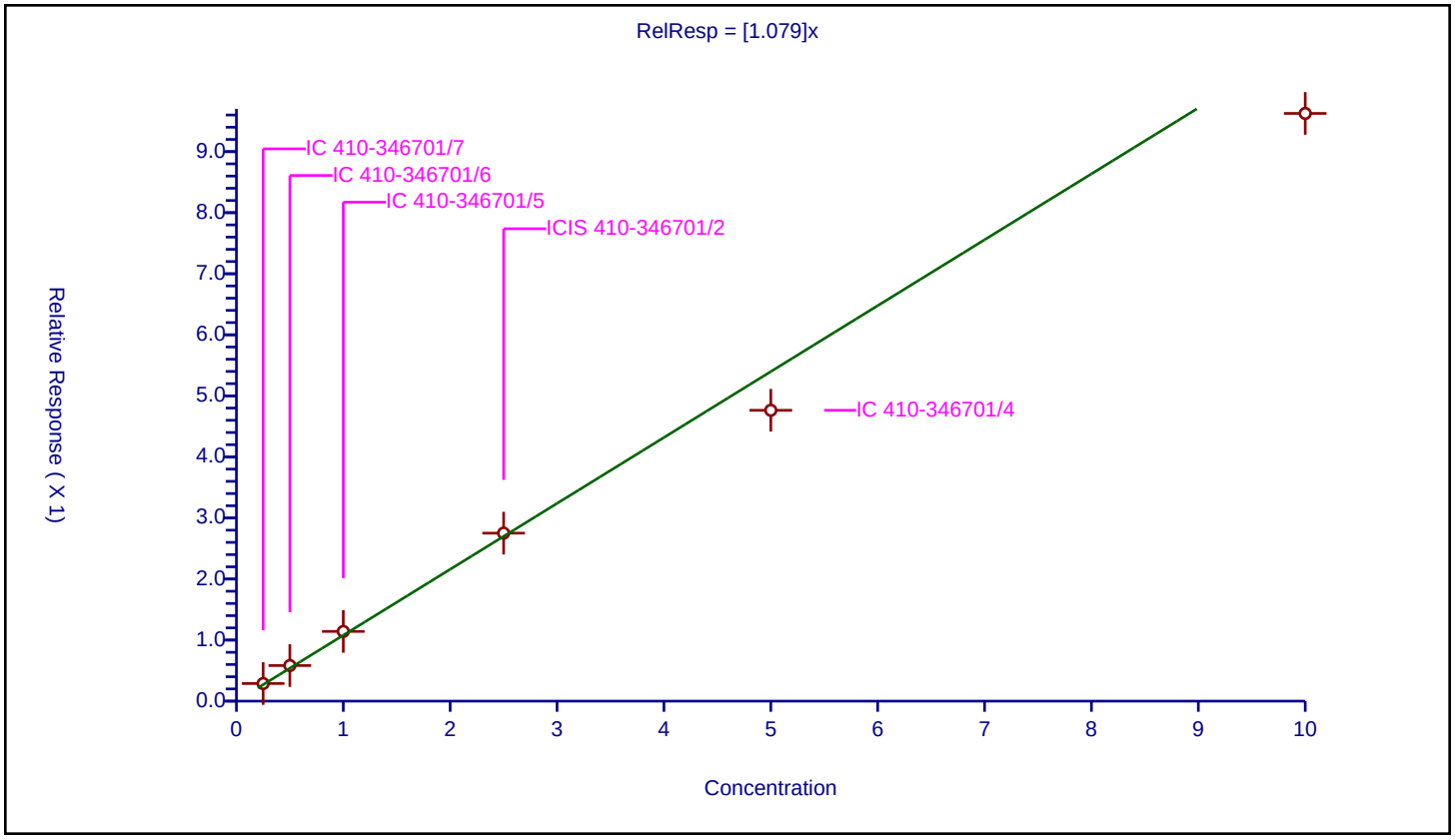
Curve Coefficients

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

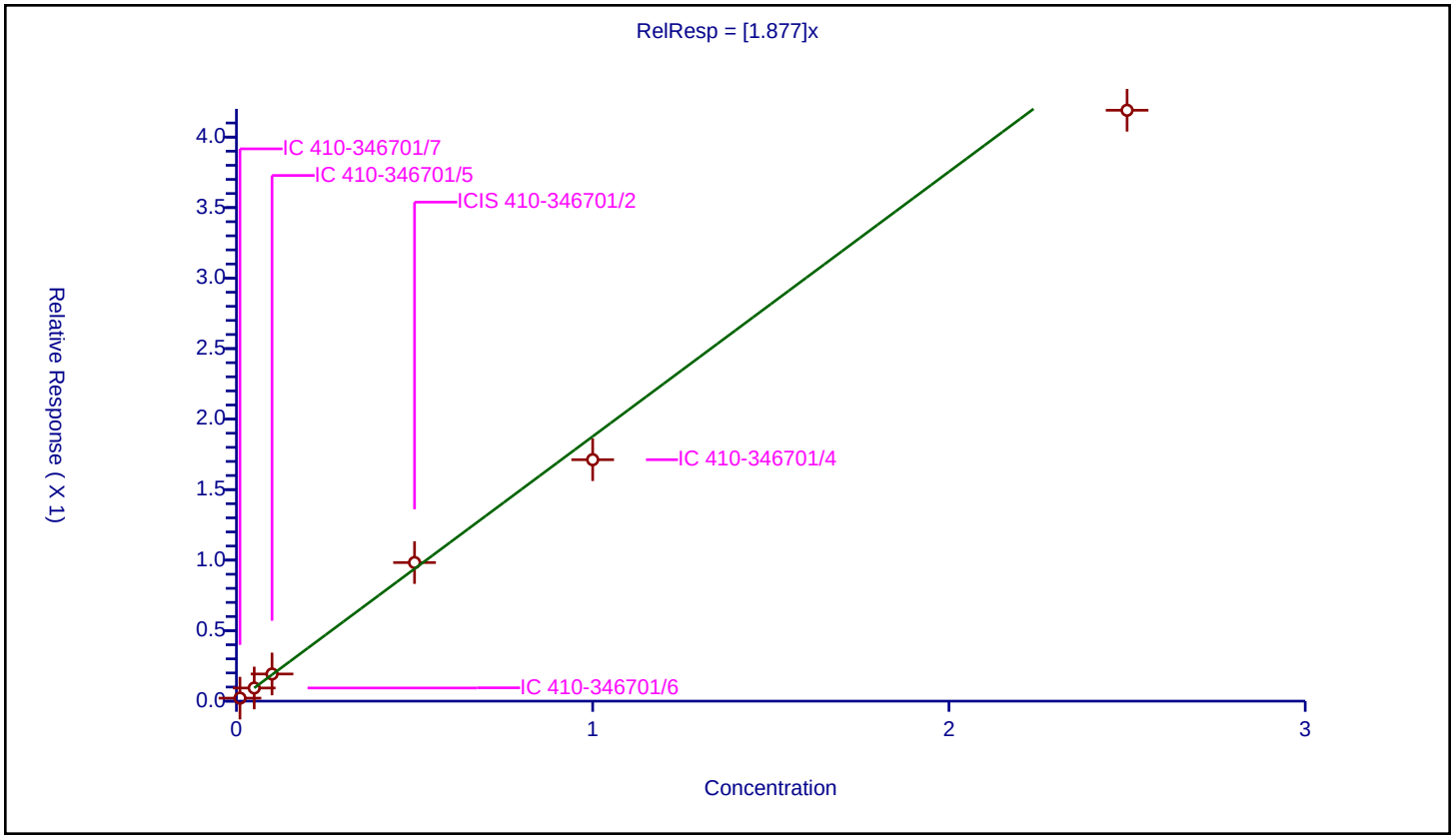
Curve Coefficients

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

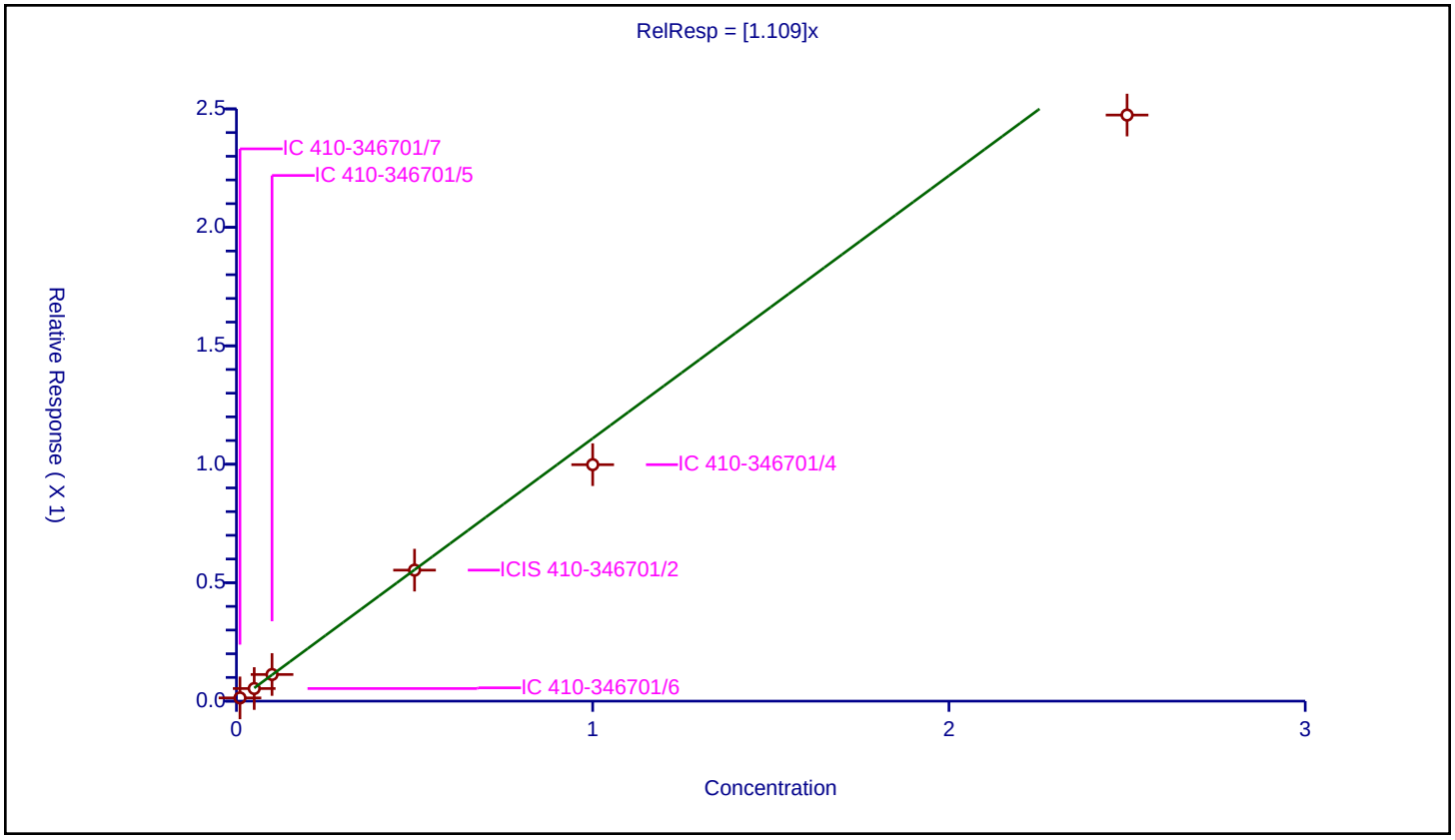
Curve Coefficients

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

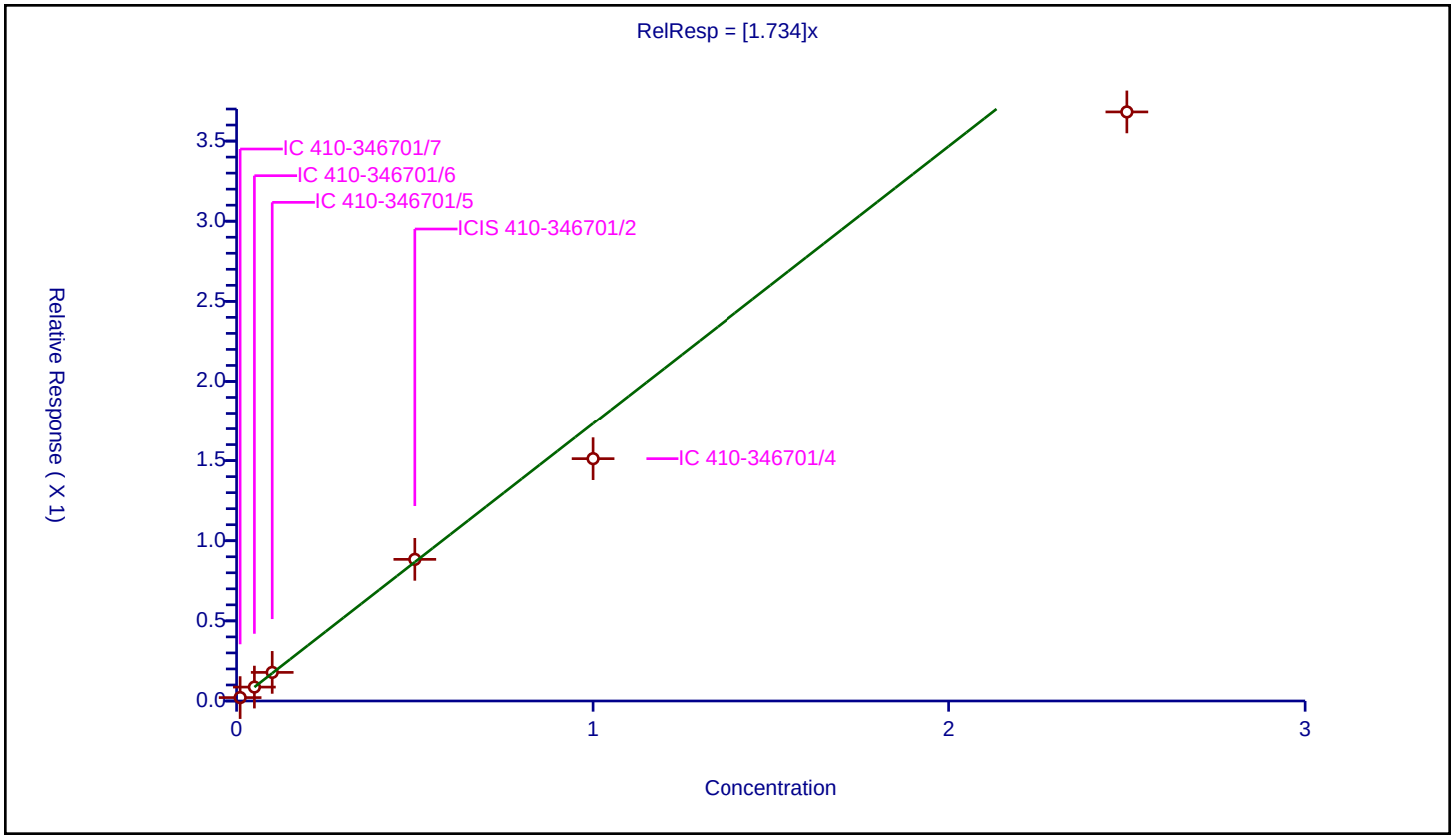
Curve Coefficients

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

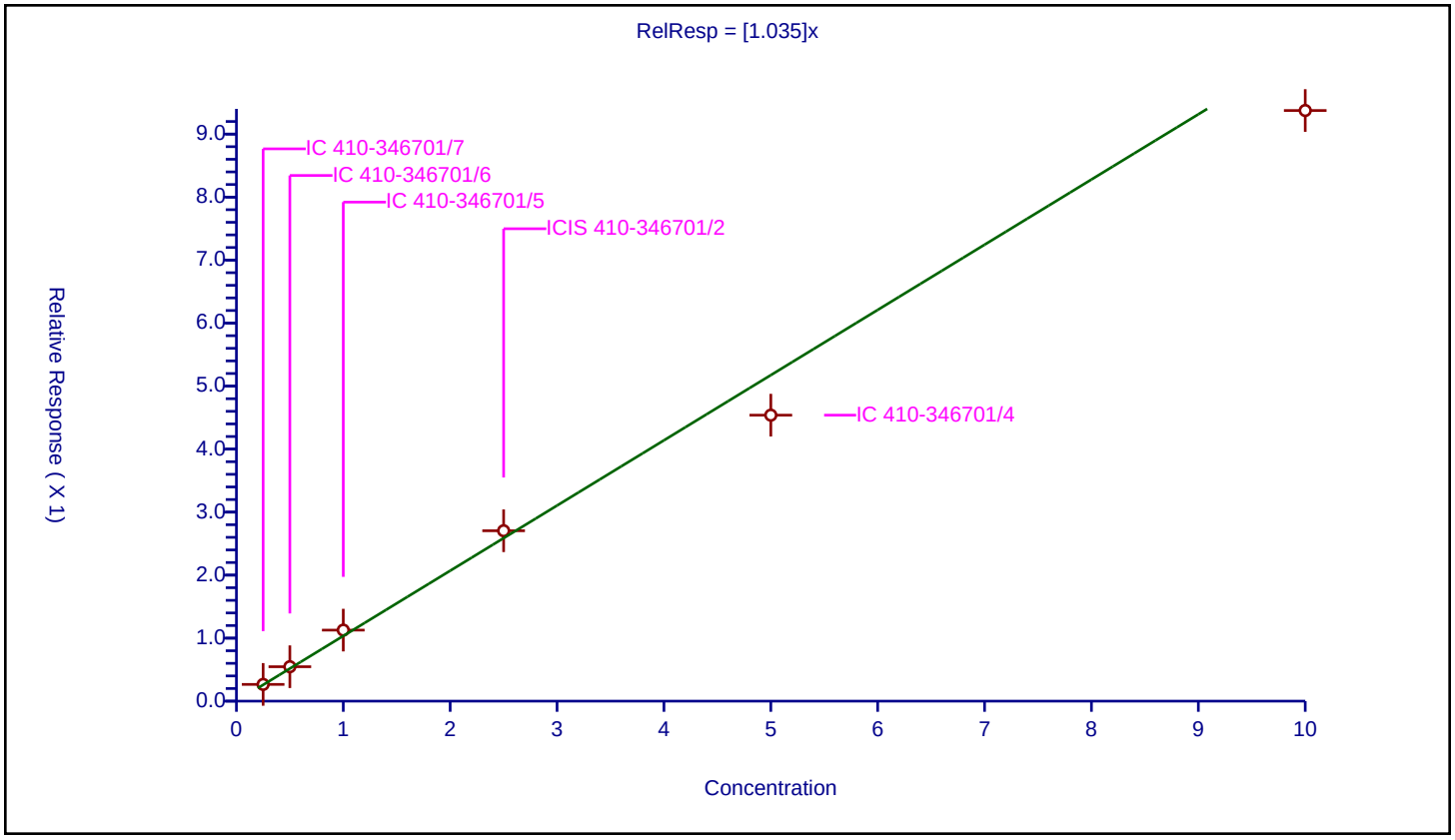
Curve Coefficients

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

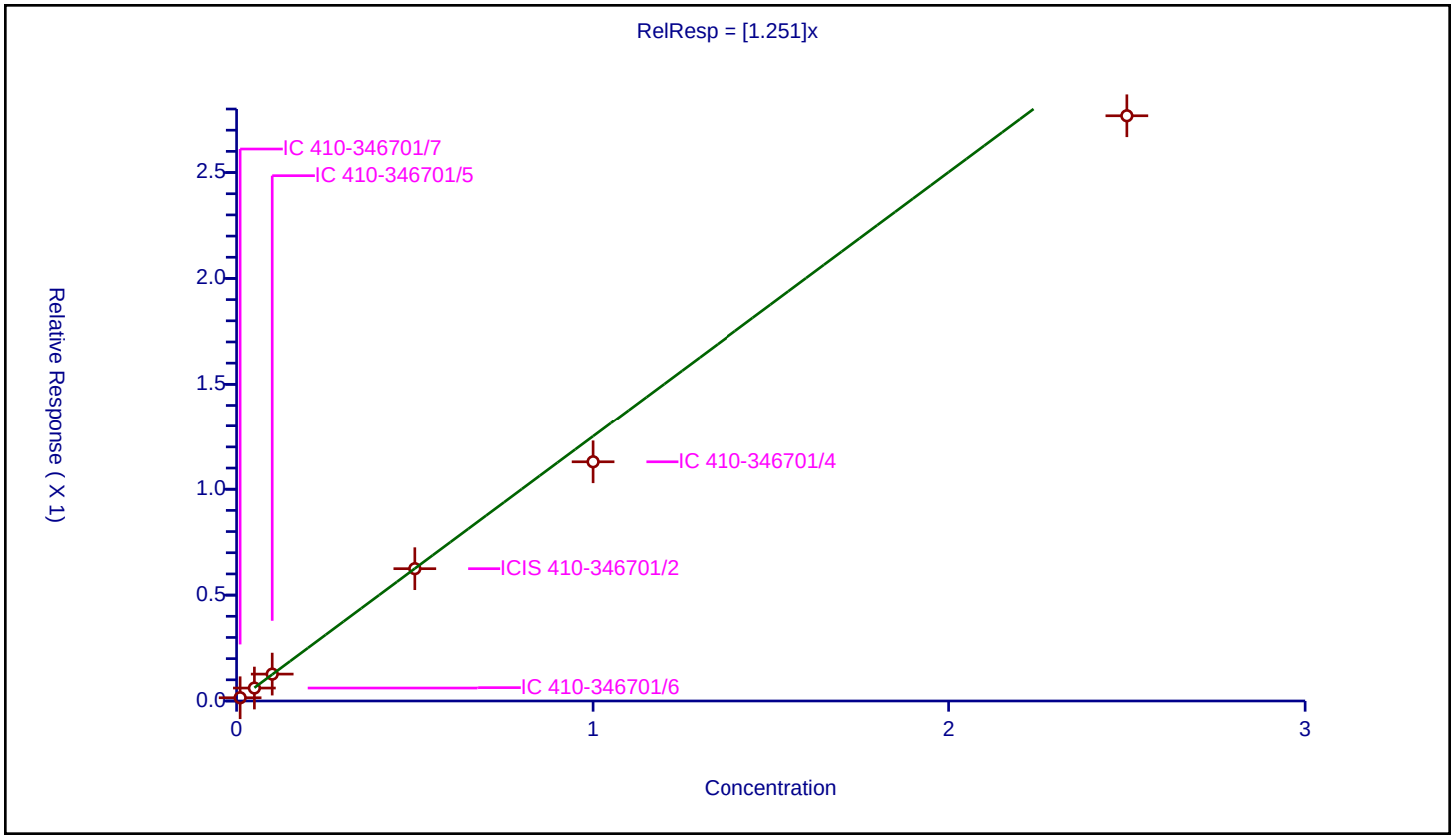
Curve Coefficients

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

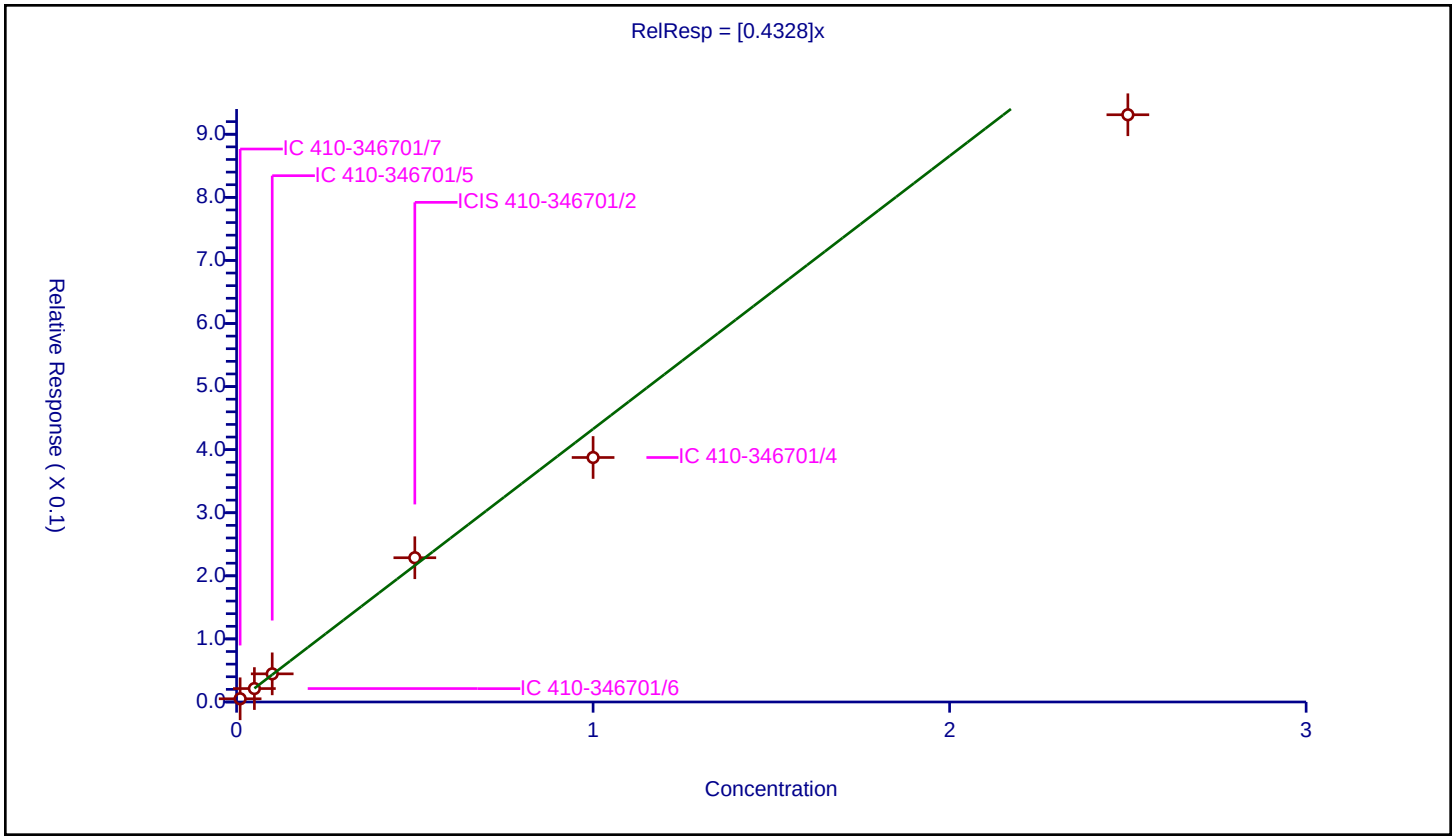
Curve Coefficients

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

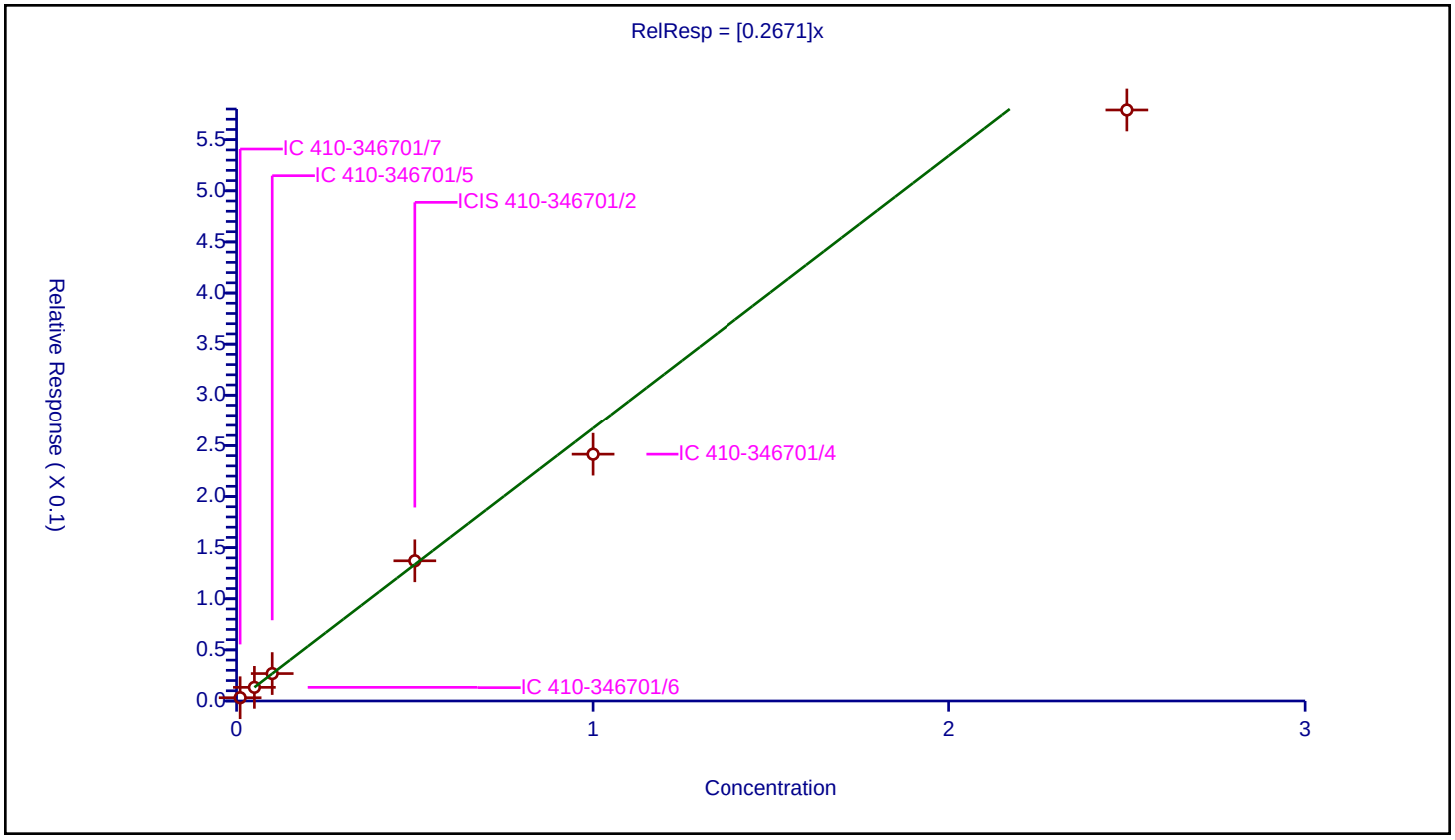
Curve Coefficients

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

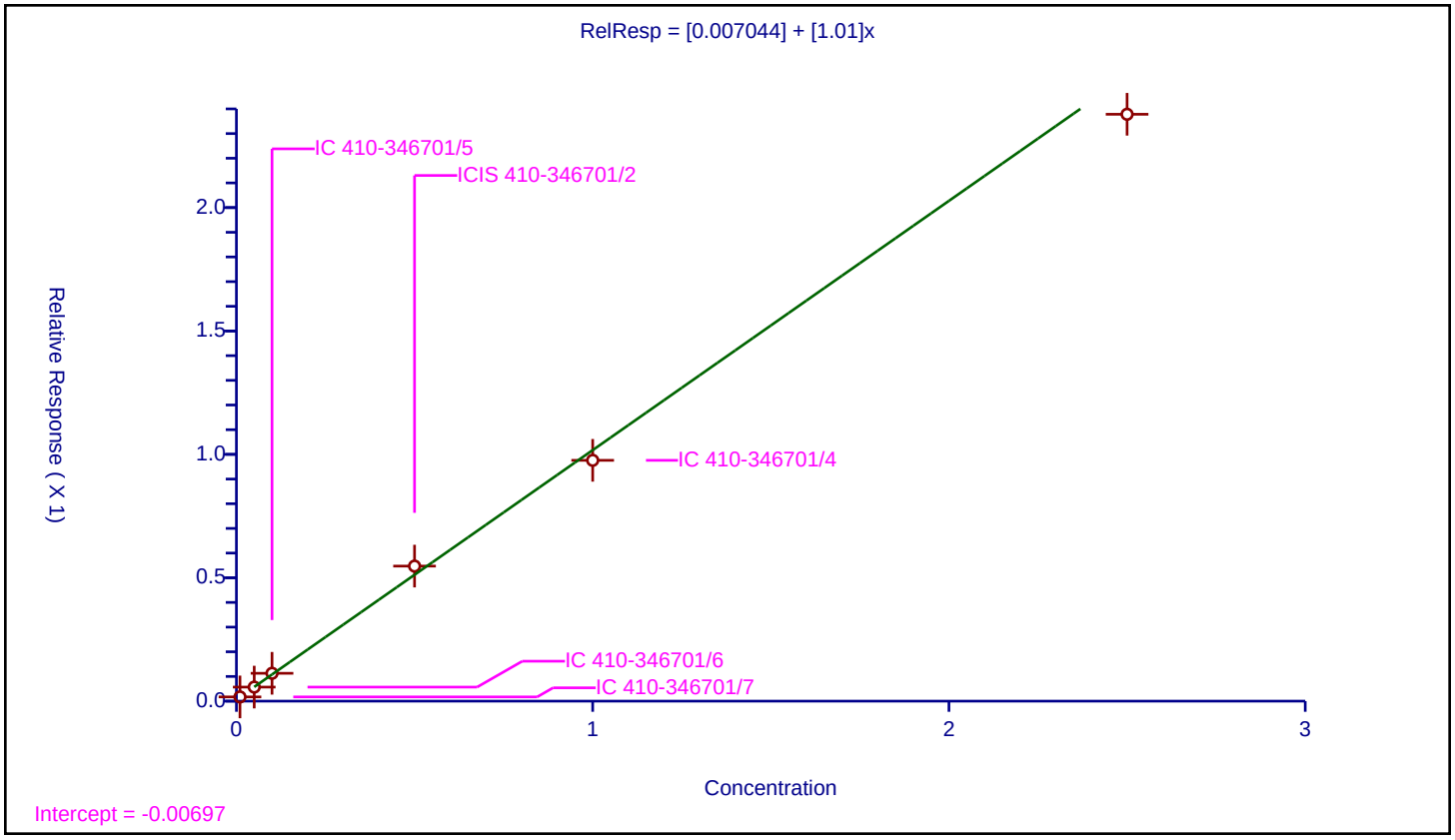
Curve Coefficients

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

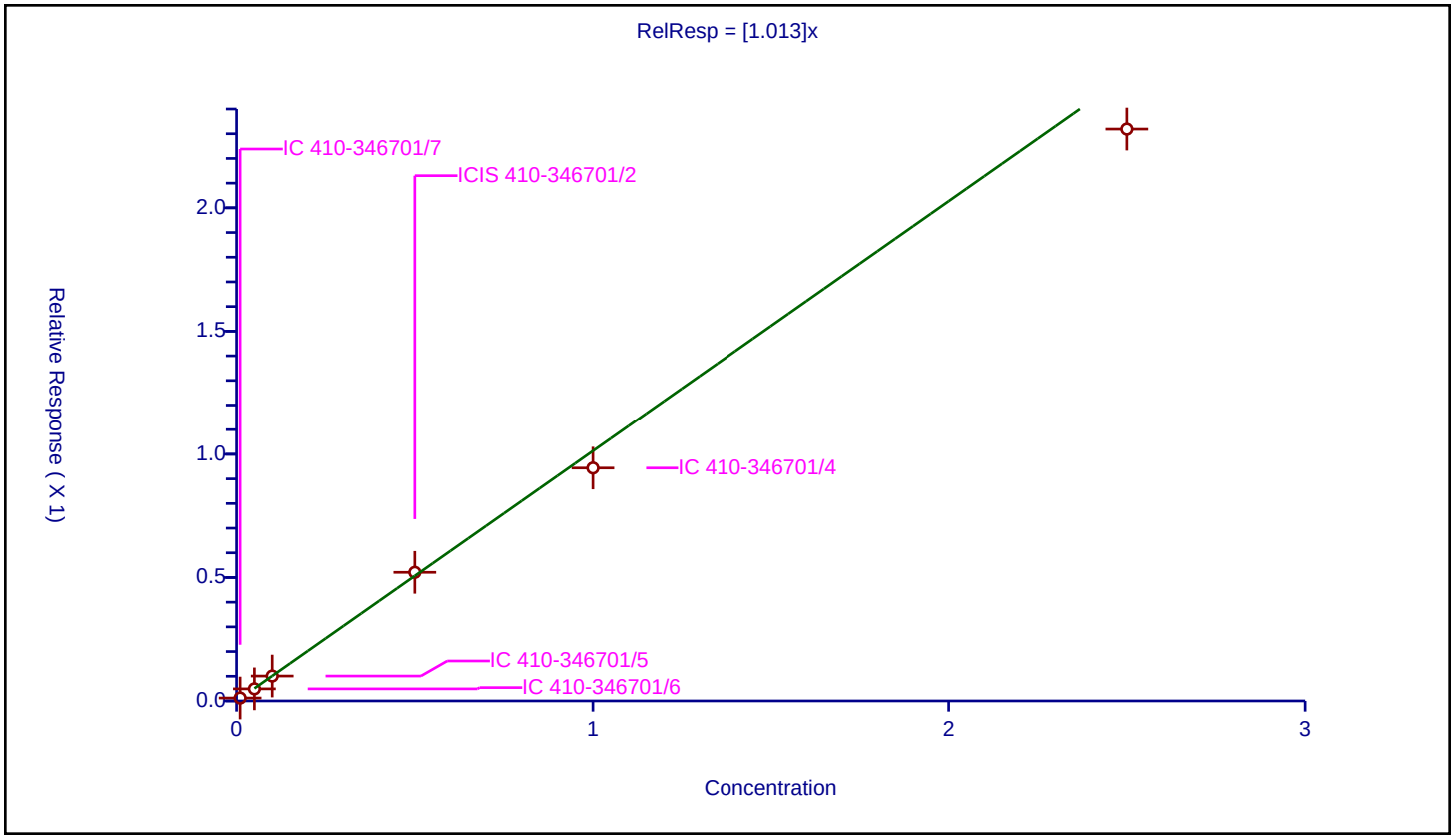
Curve Coefficients

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

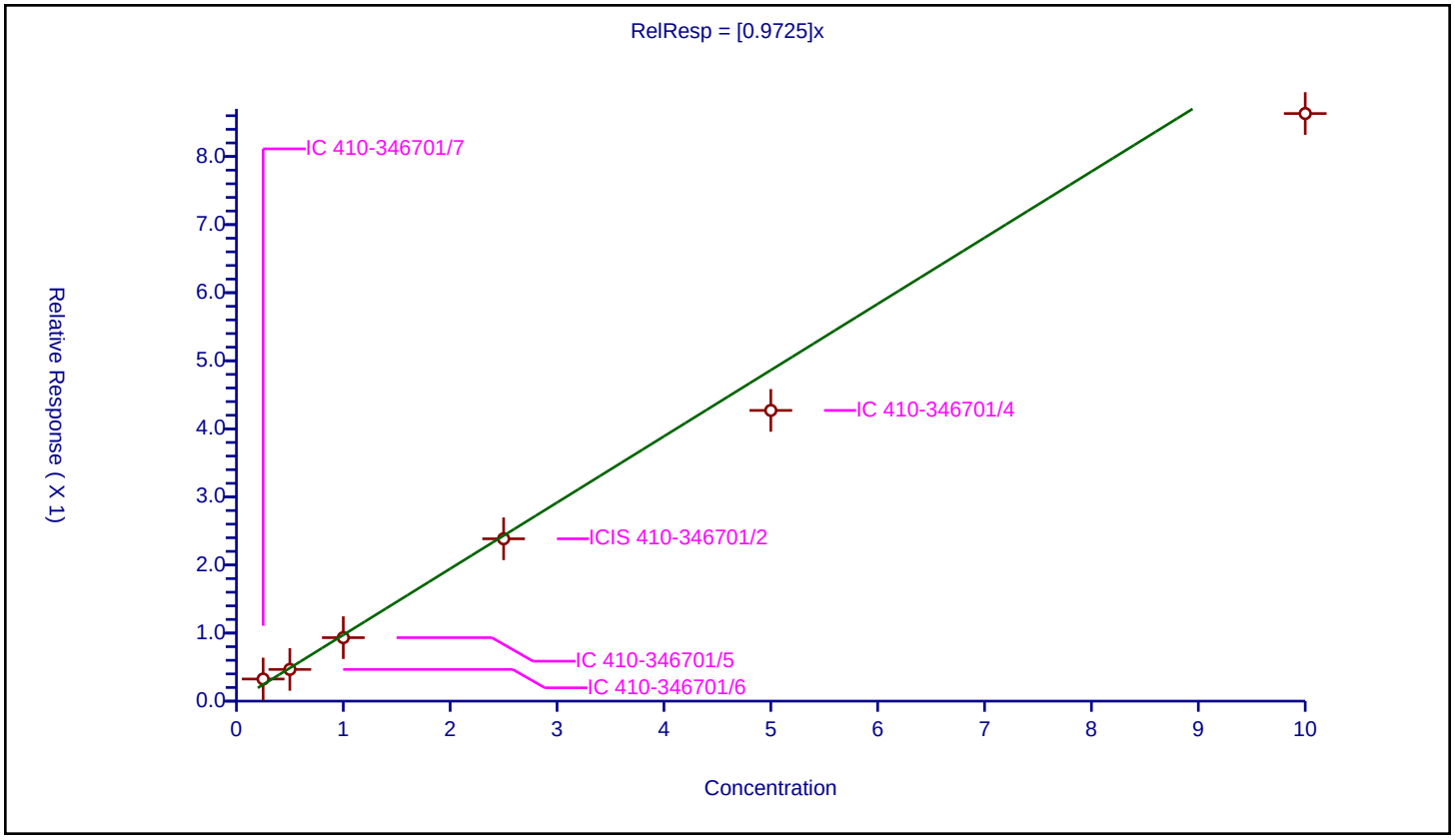
Curve Coefficients

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

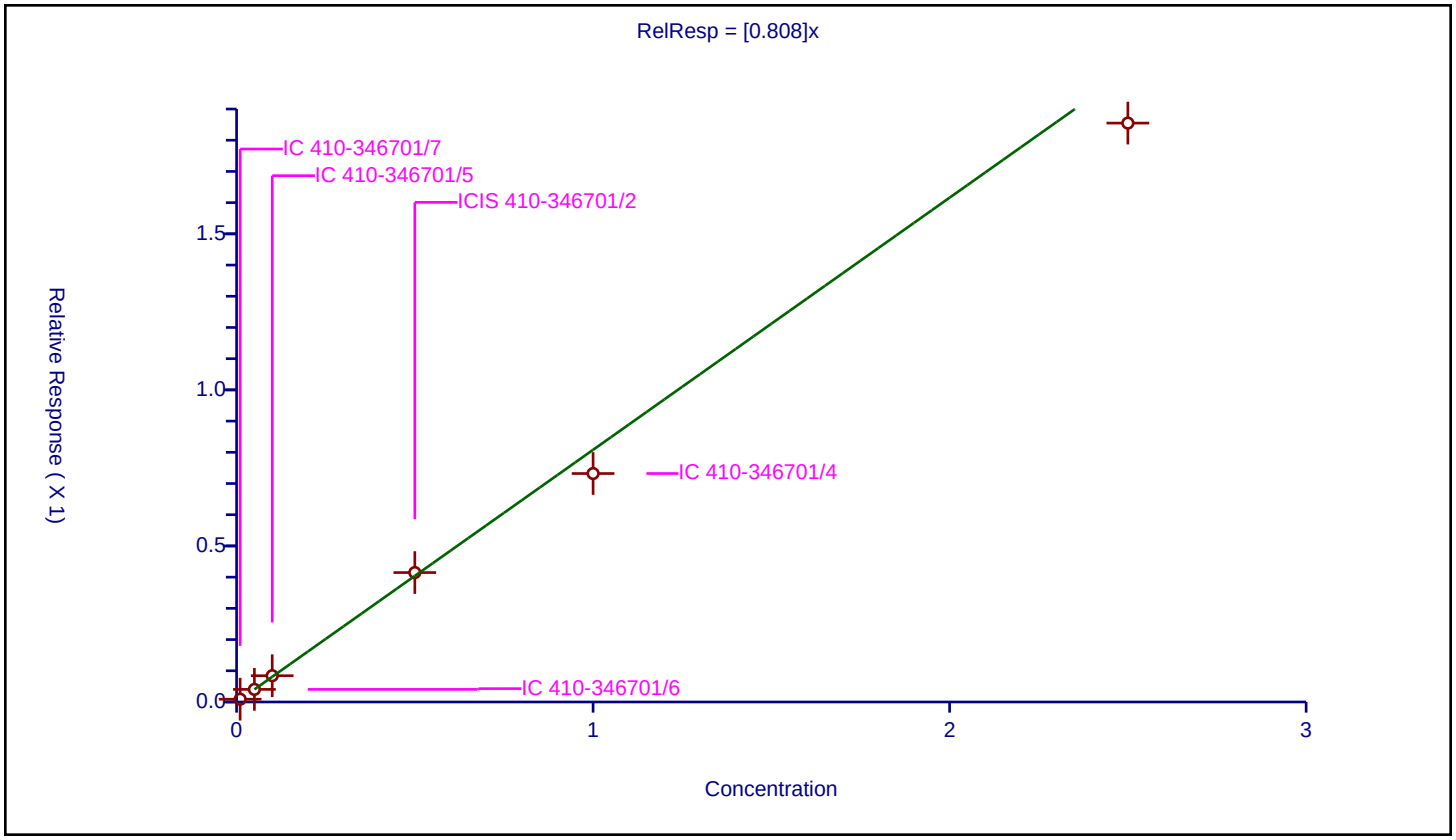
Curve Coefficients

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

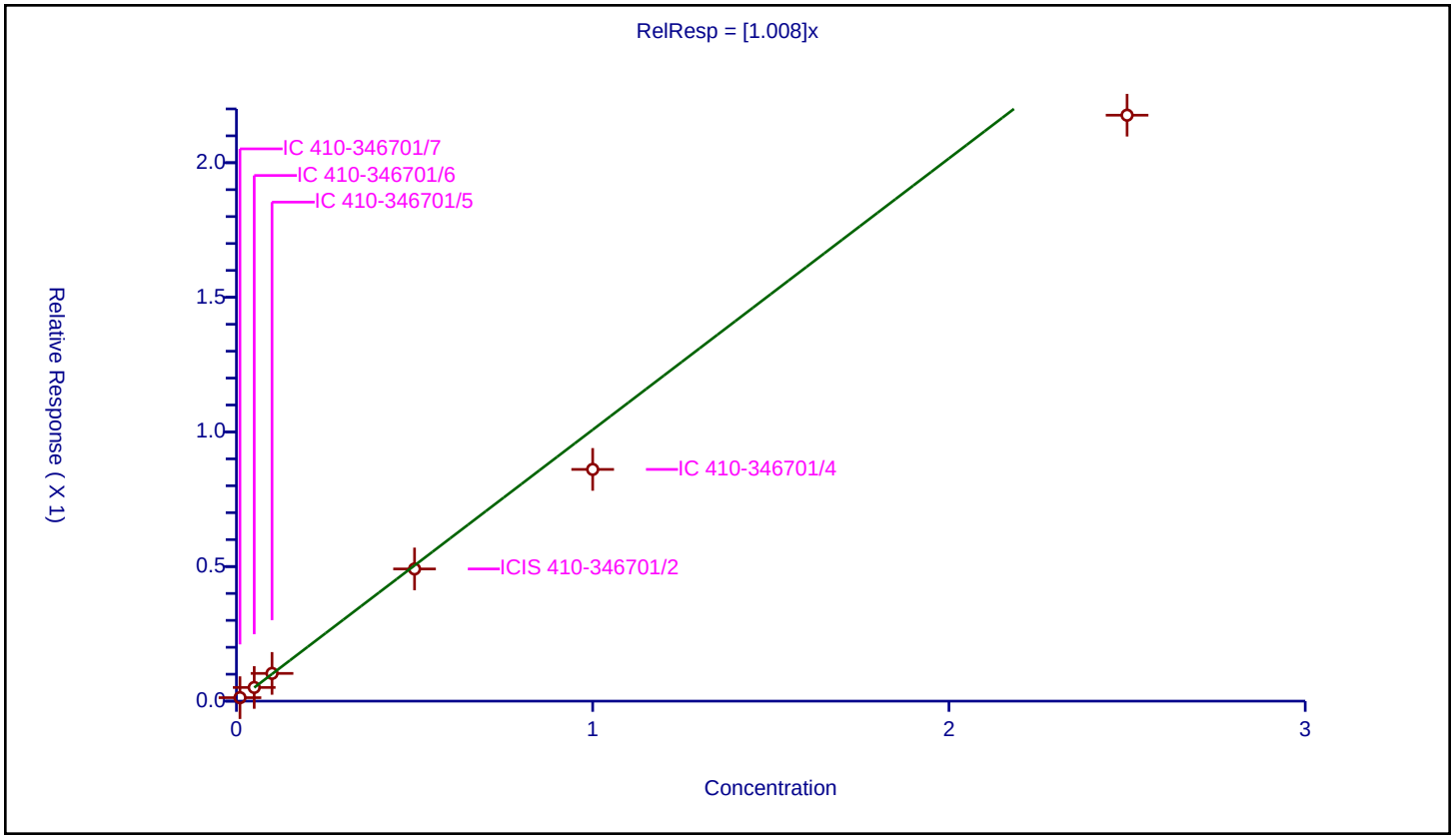
Curve Coefficients

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

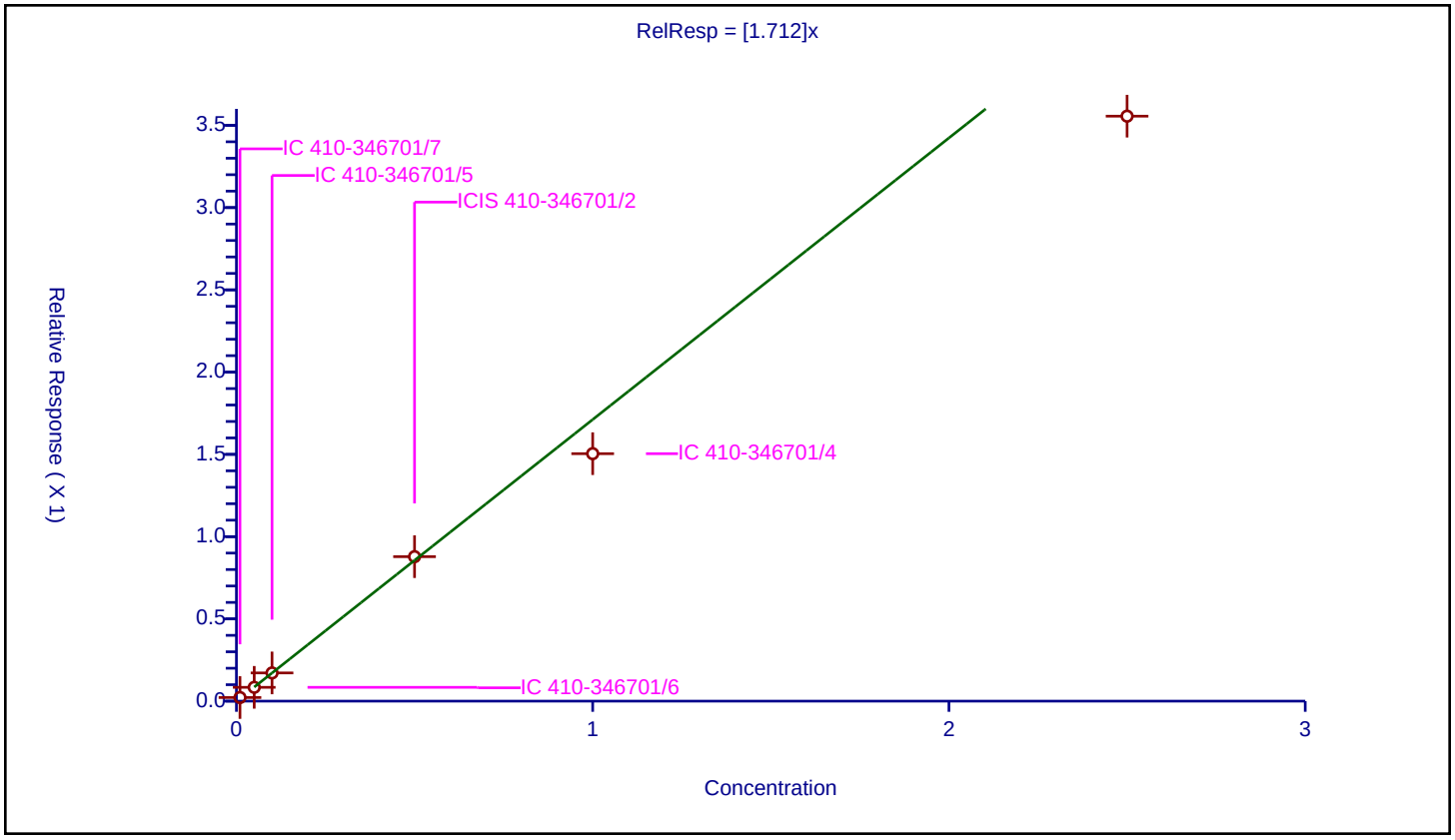
Curve Coefficients

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

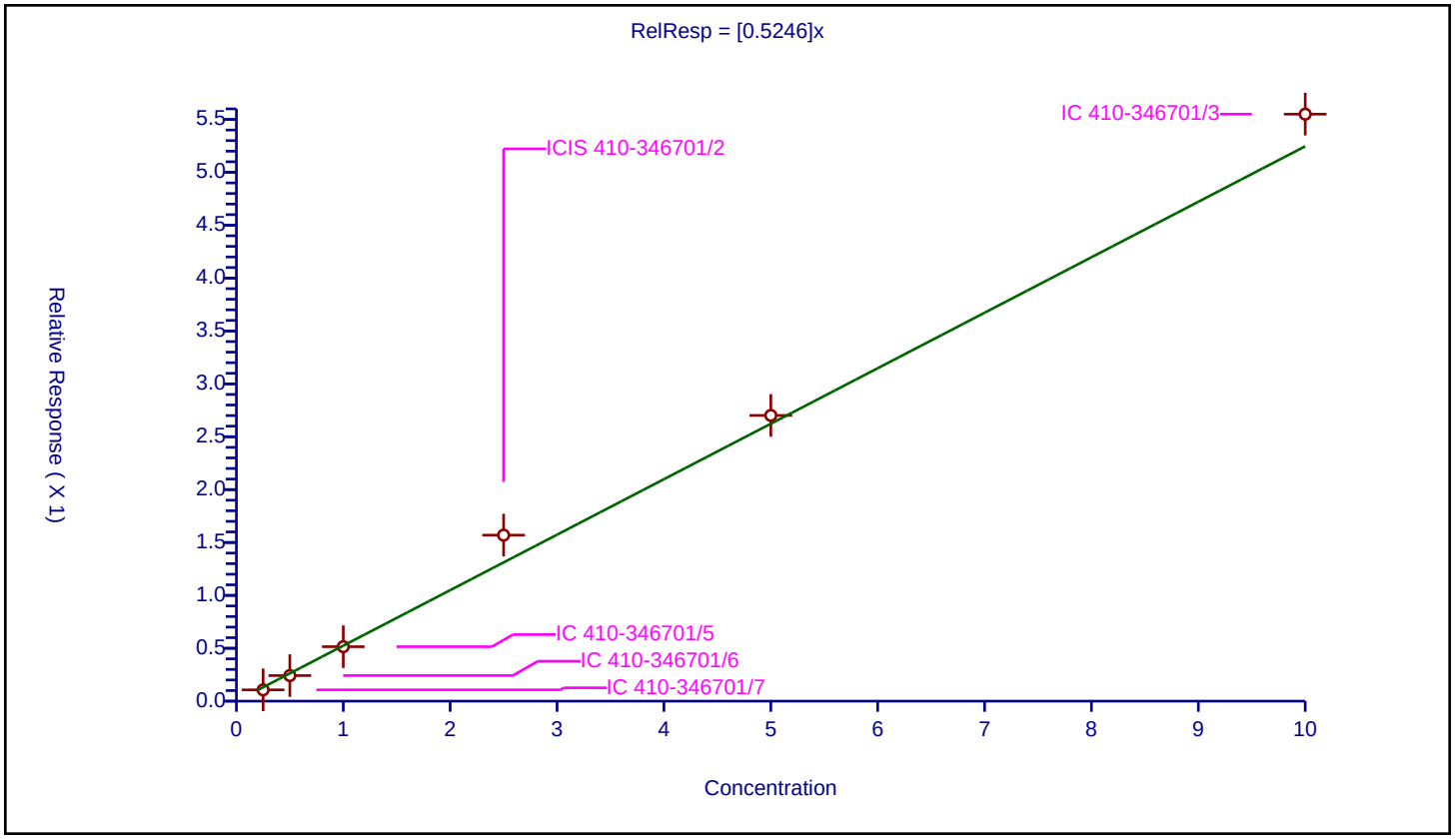
Curve Coefficients

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

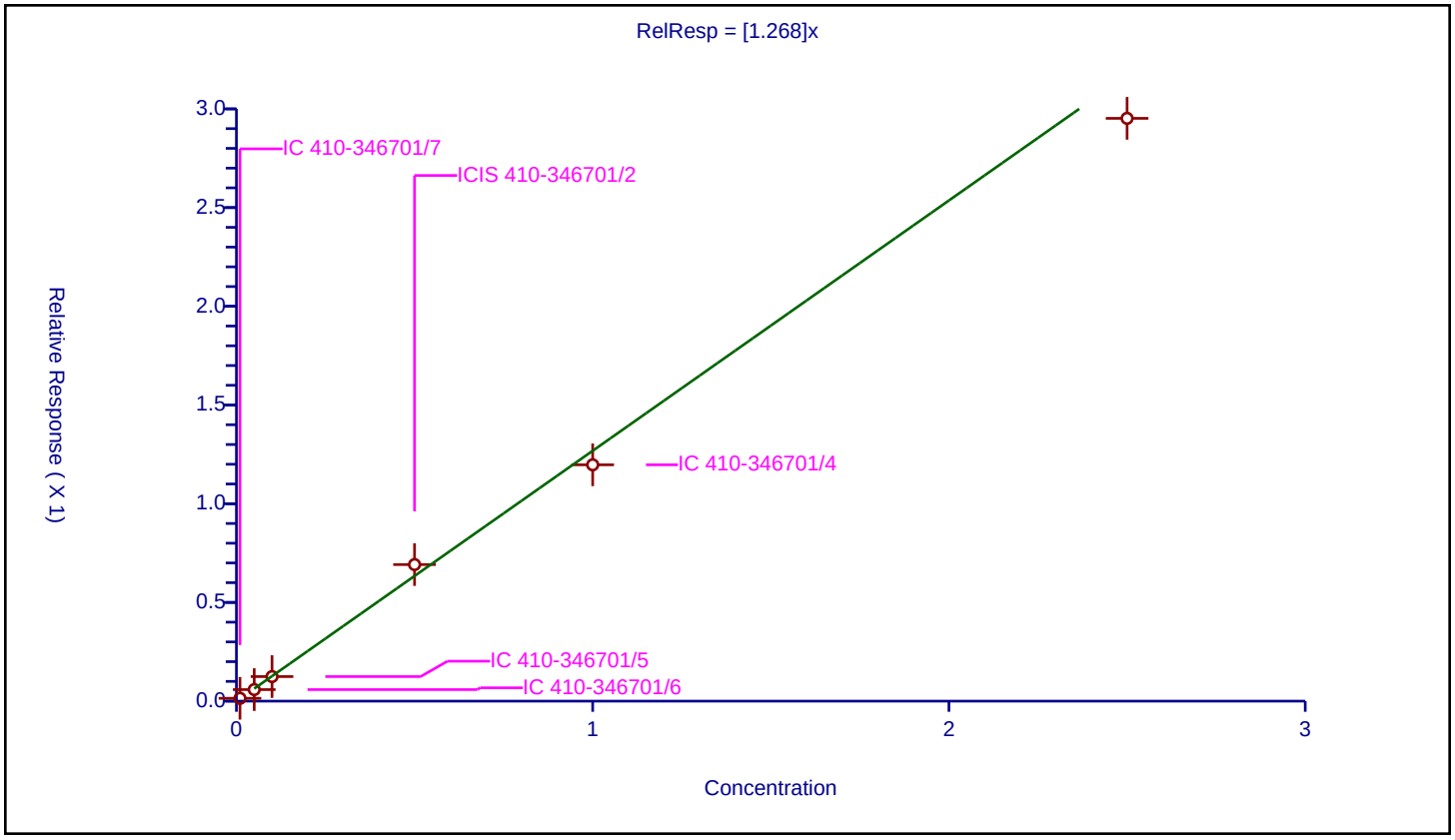
Curve Coefficients

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

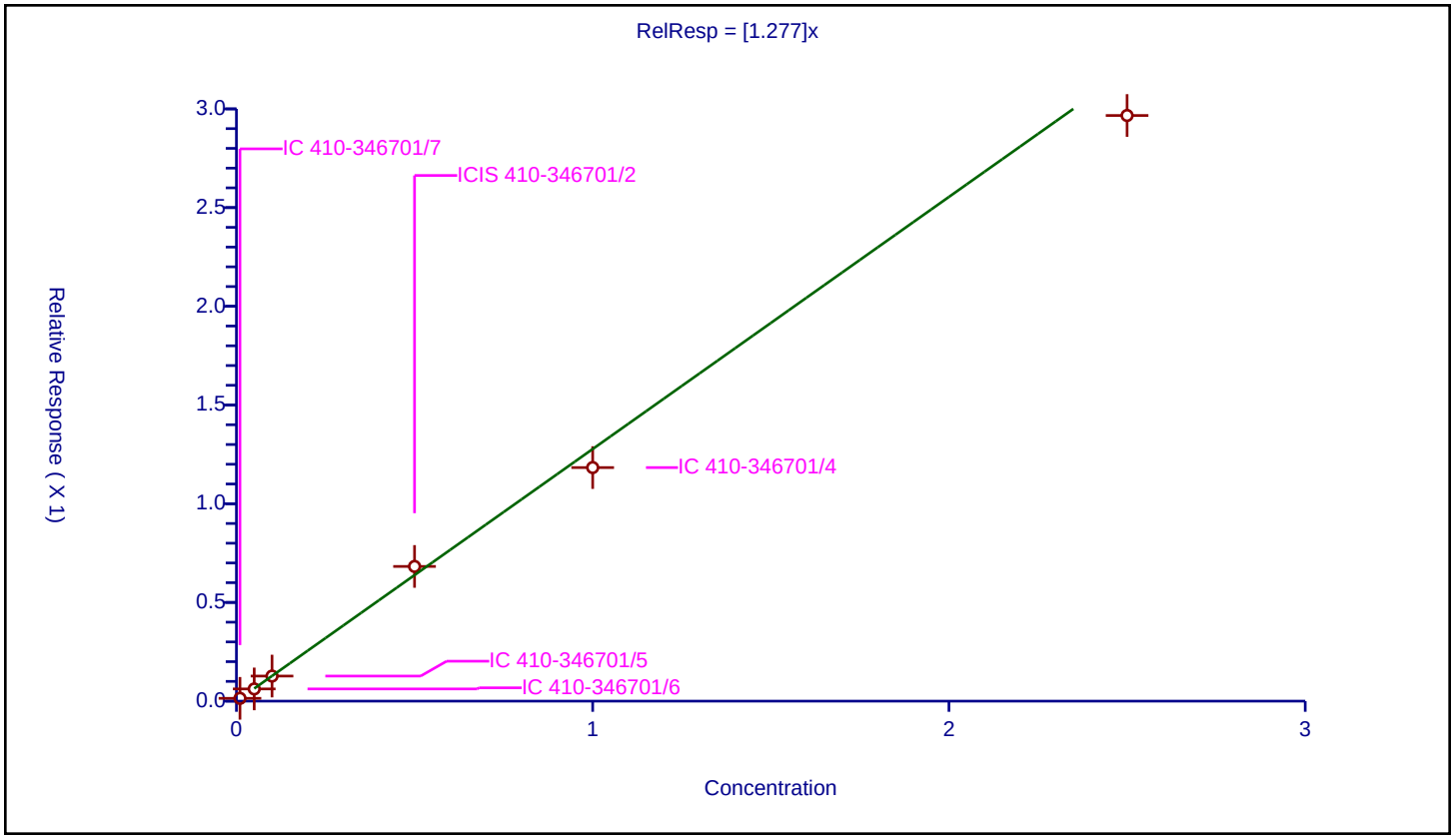
Curve Coefficients

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

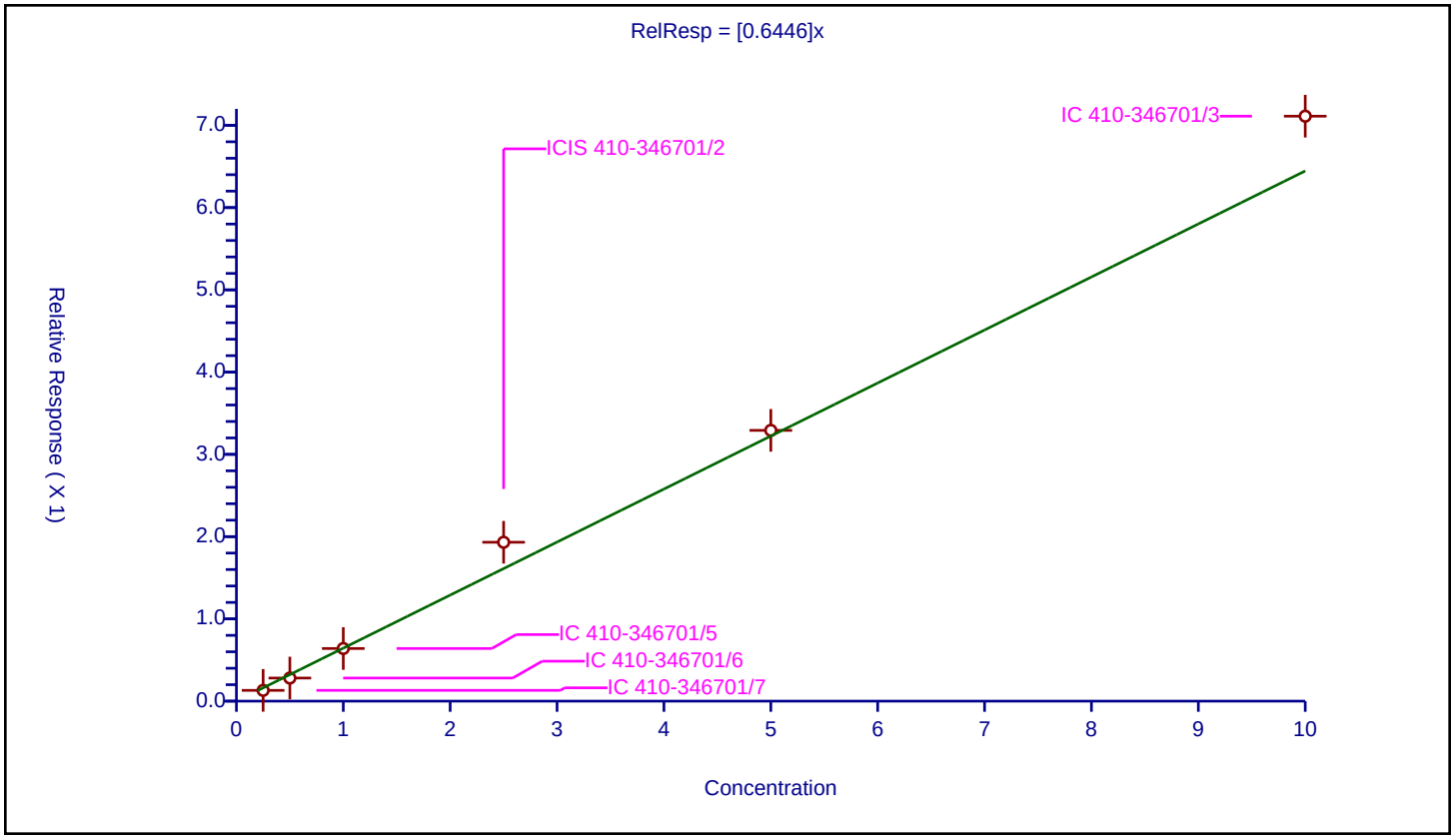
Curve Coefficients

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

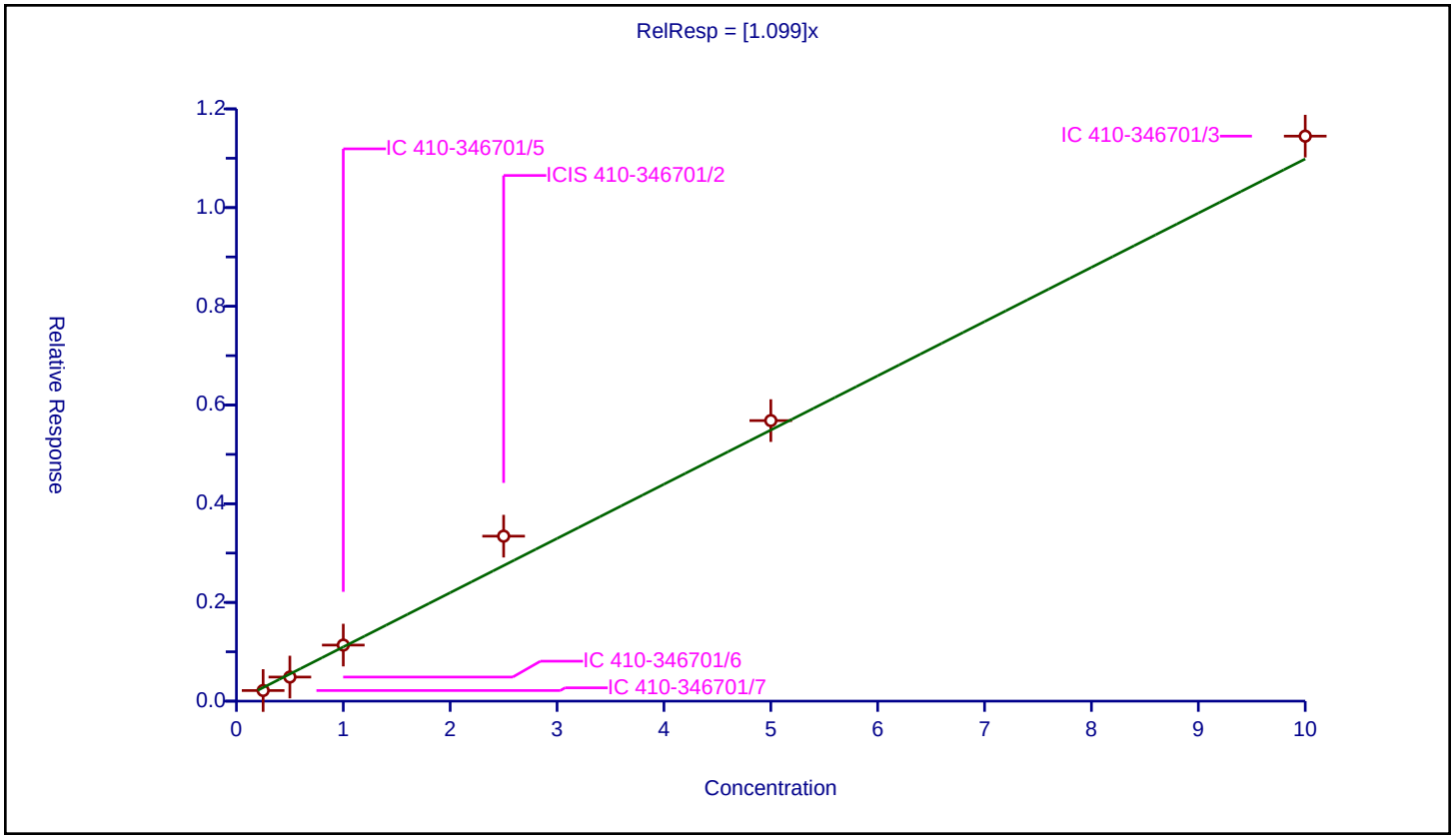
Curve Coefficients

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

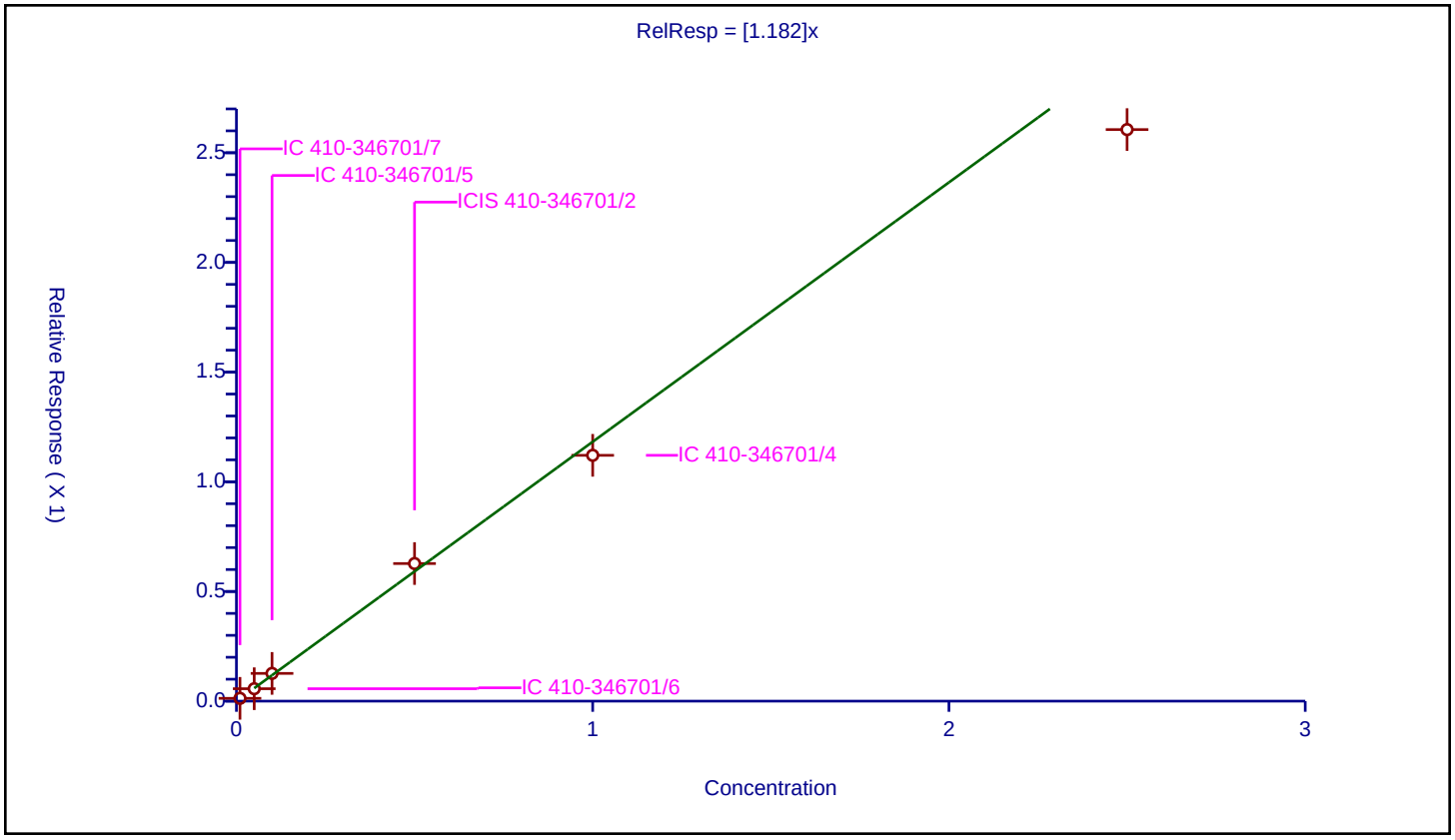
Curve Coefficients

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

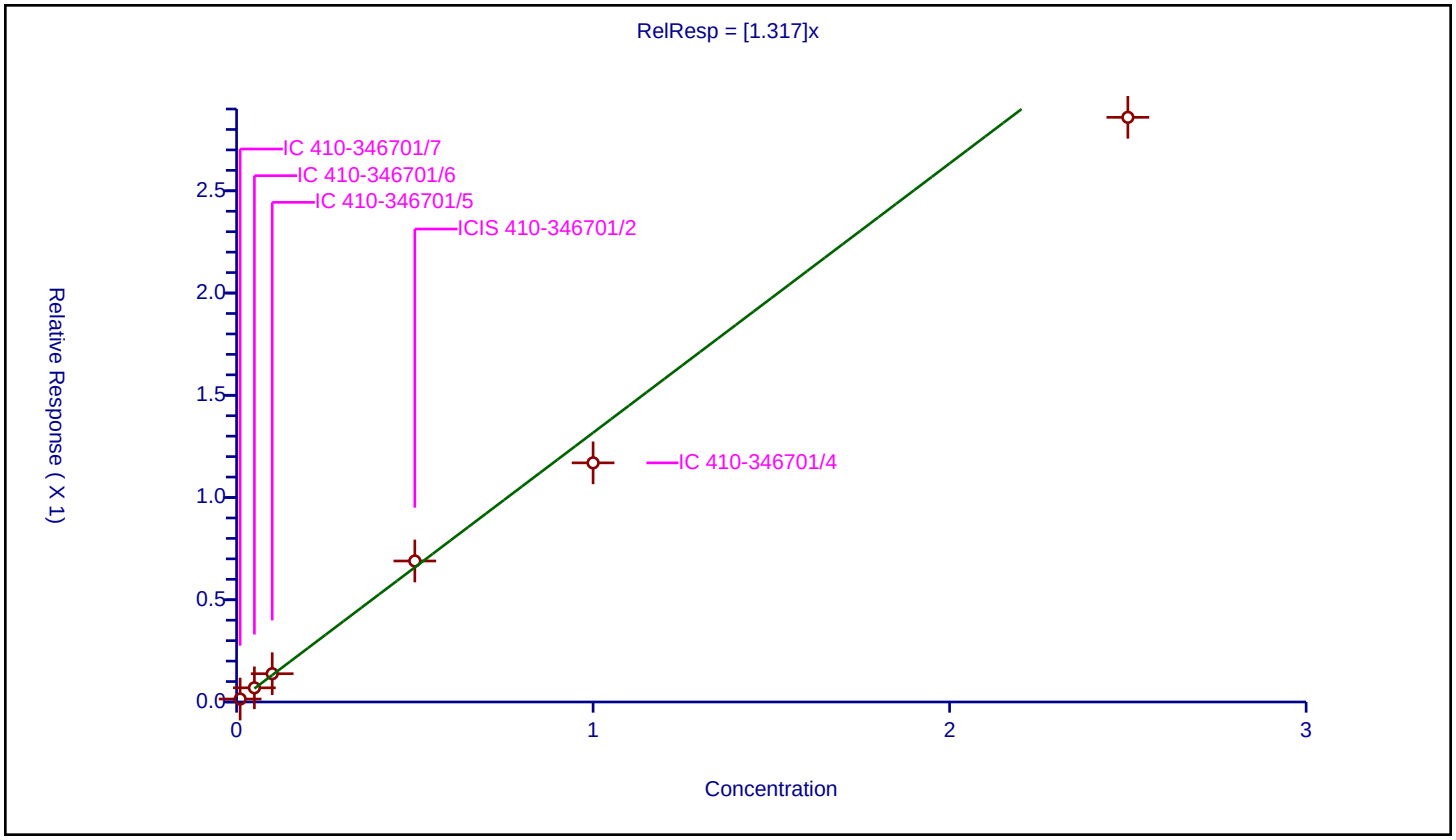
Curve Coefficients

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

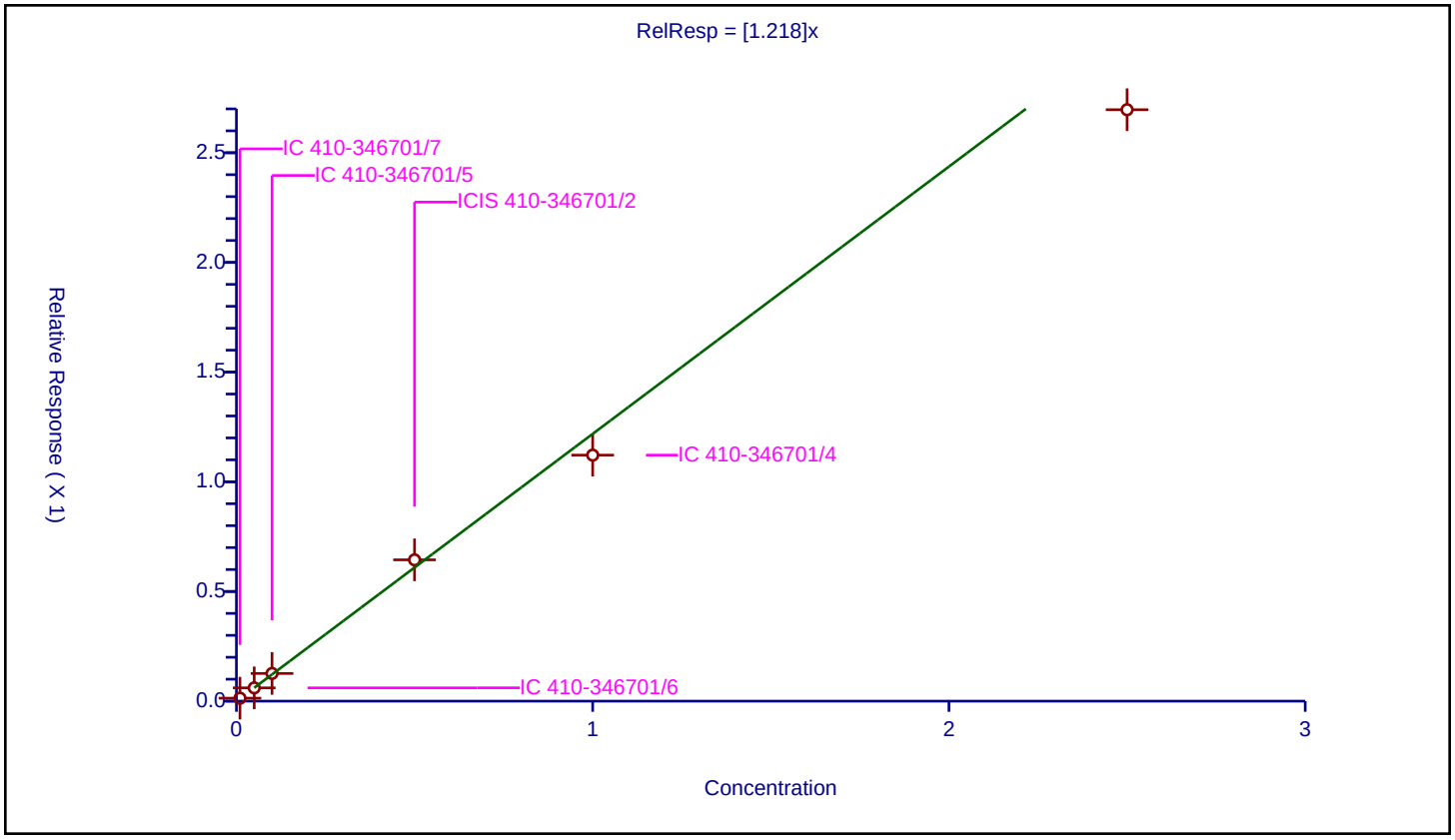
Curve Coefficients

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

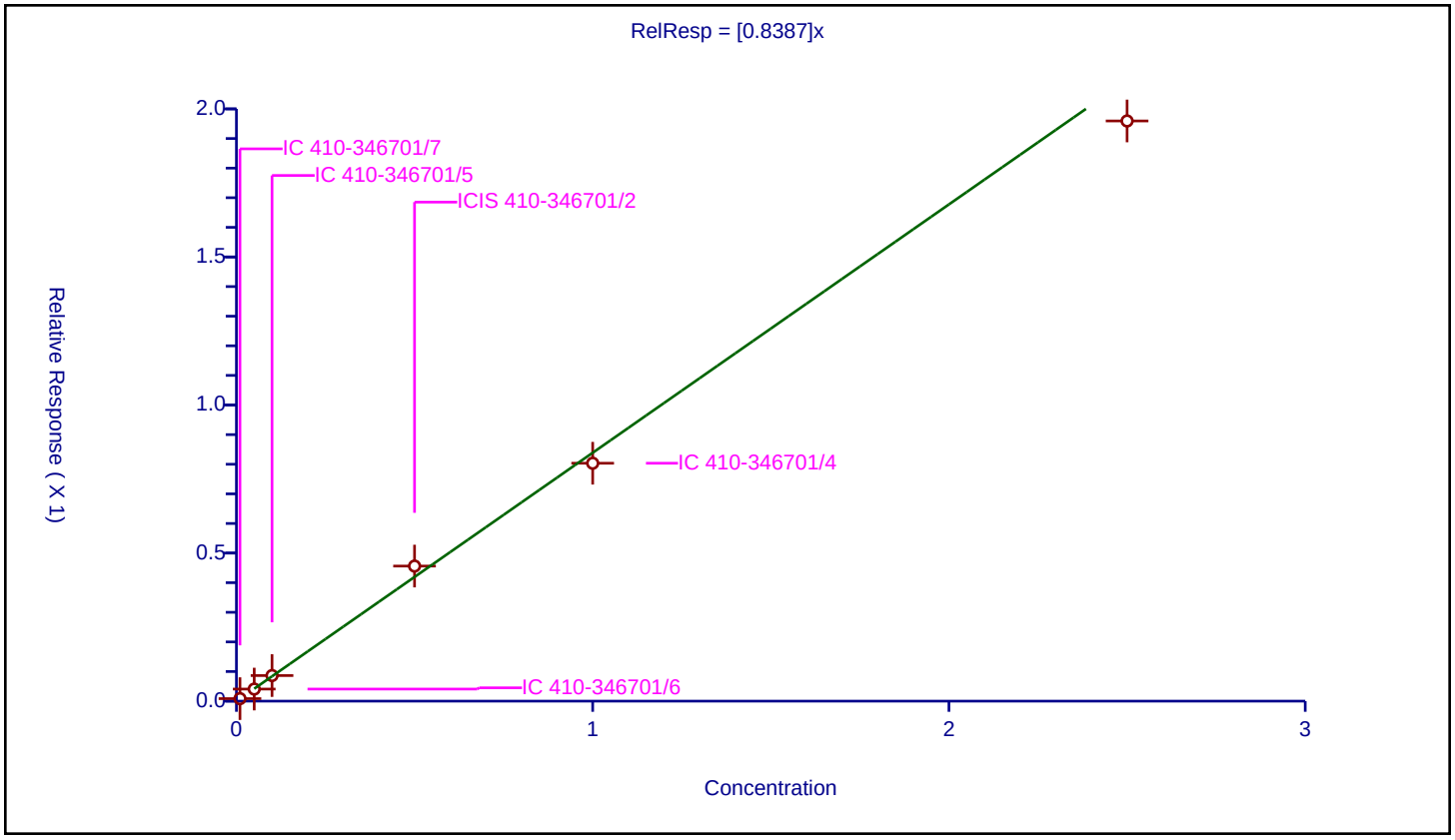
Curve Coefficients

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

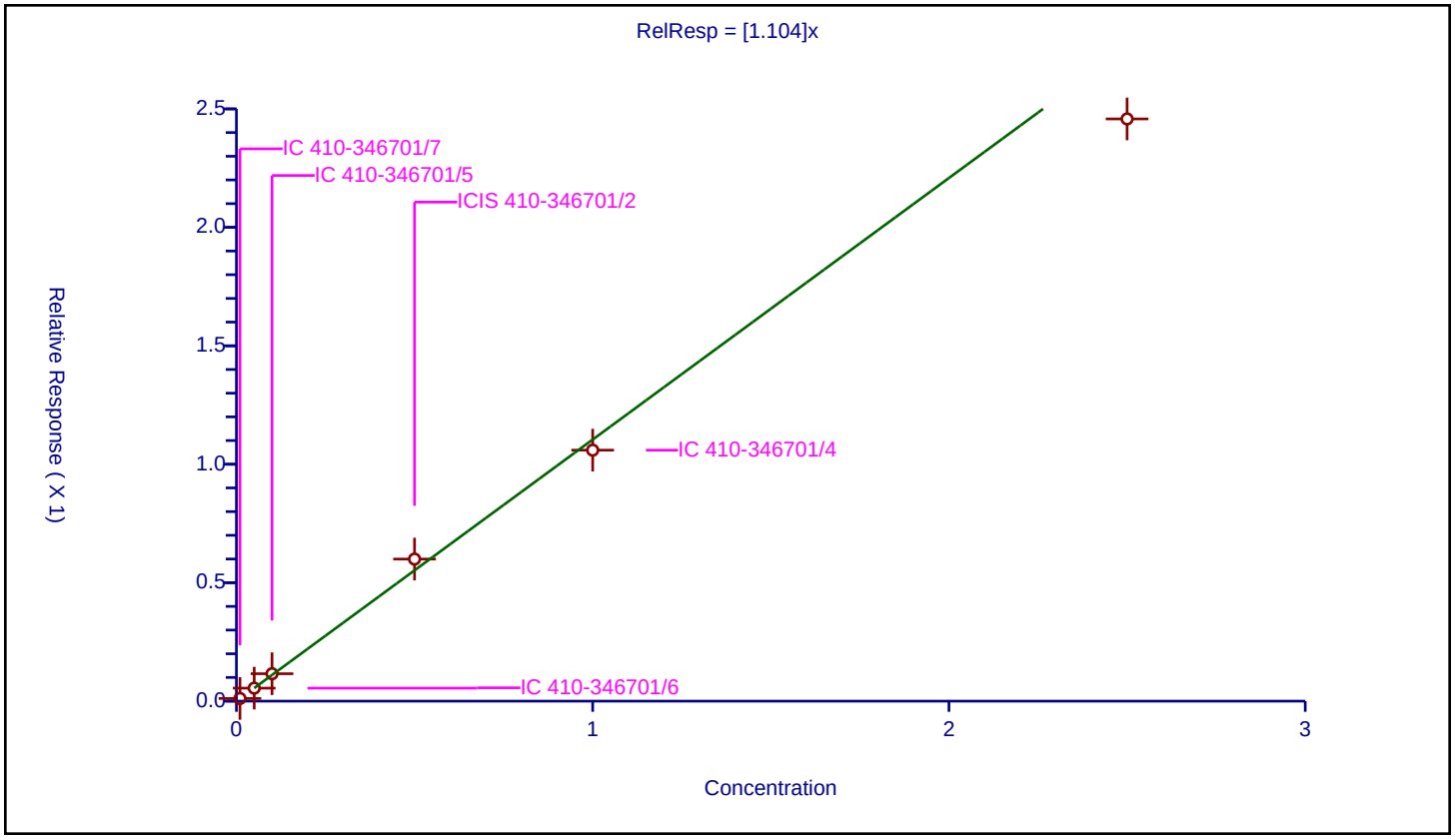
Curve Coefficients

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

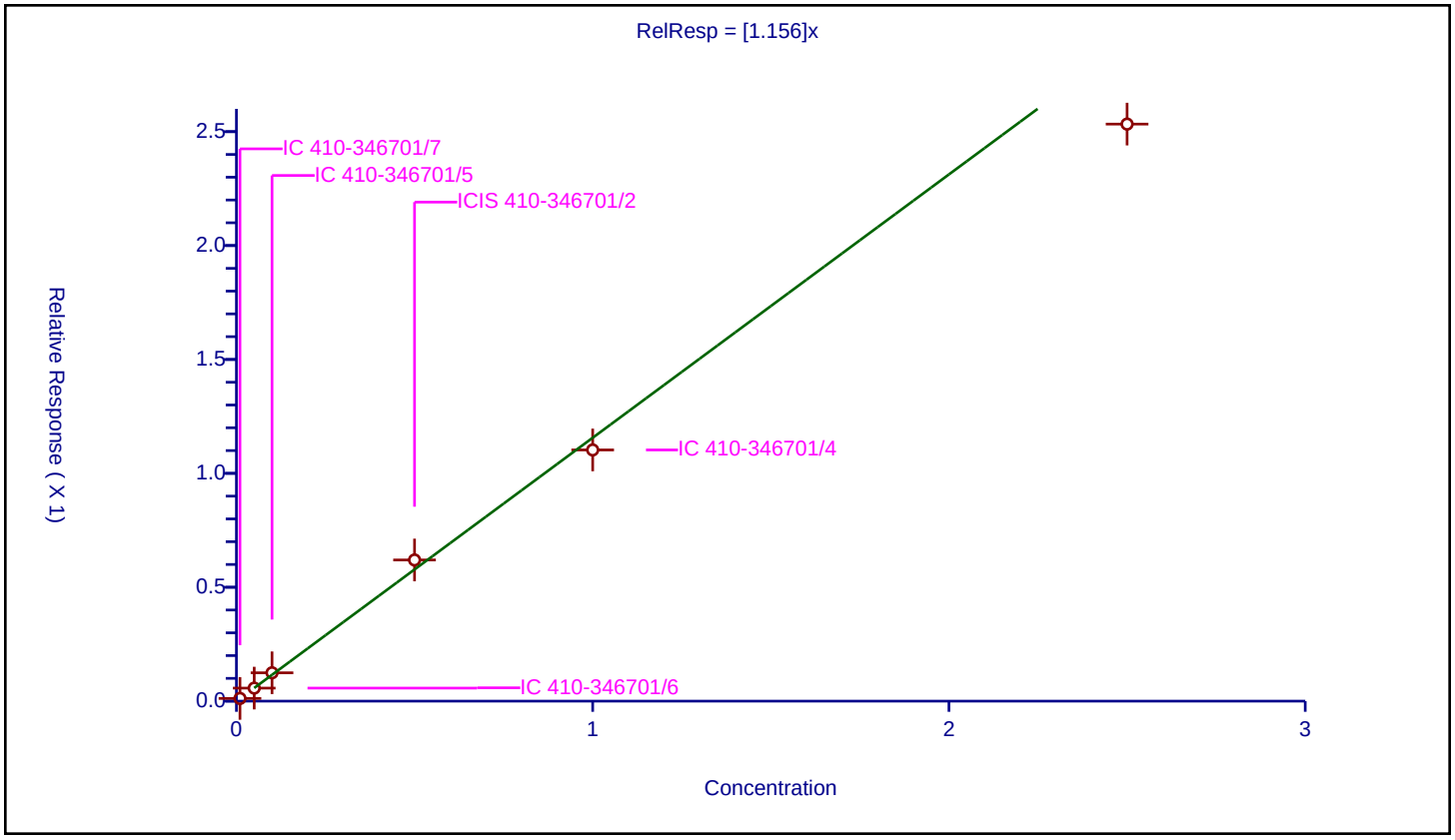
Curve Coefficients

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

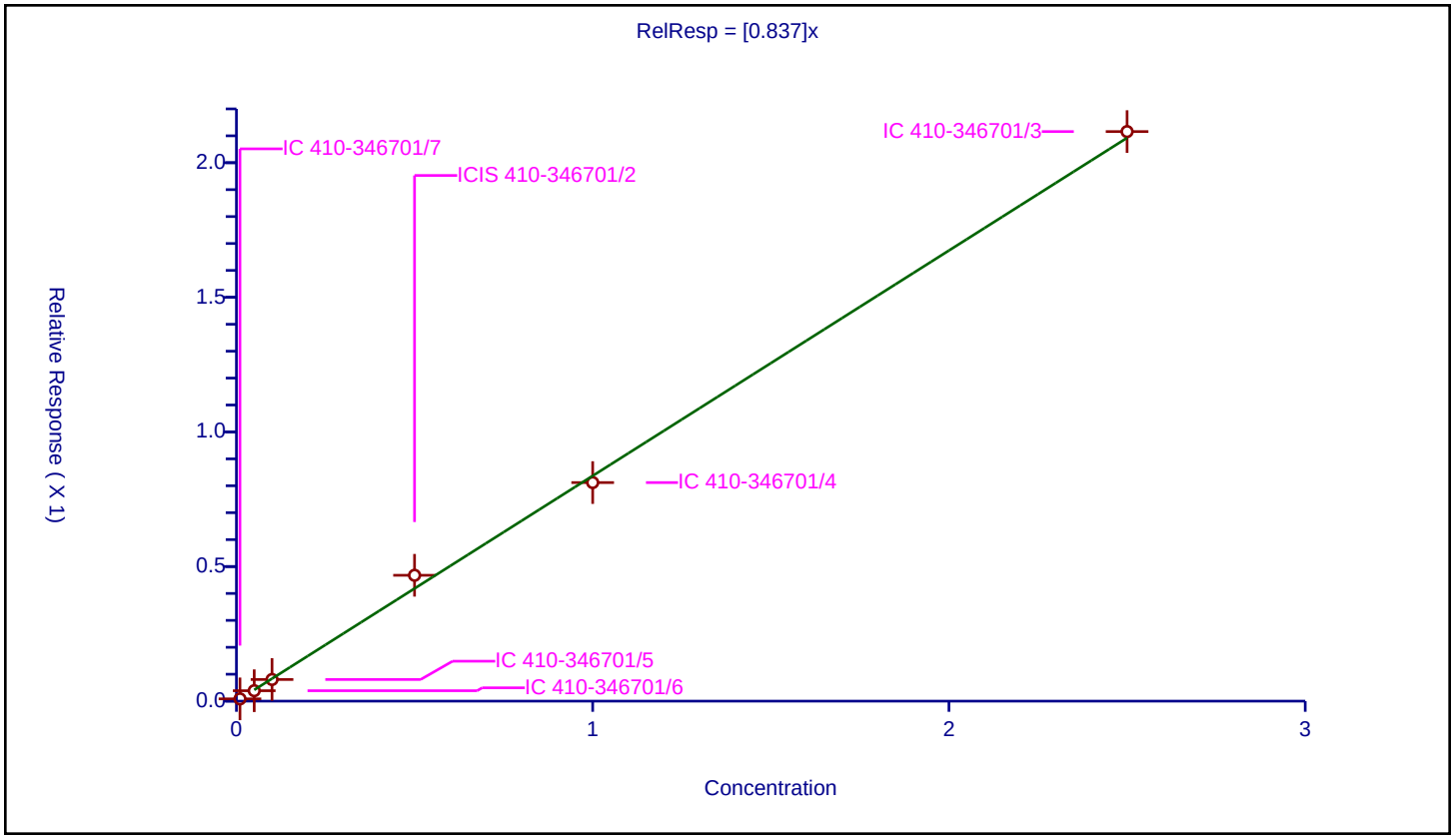
Curve Coefficients

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

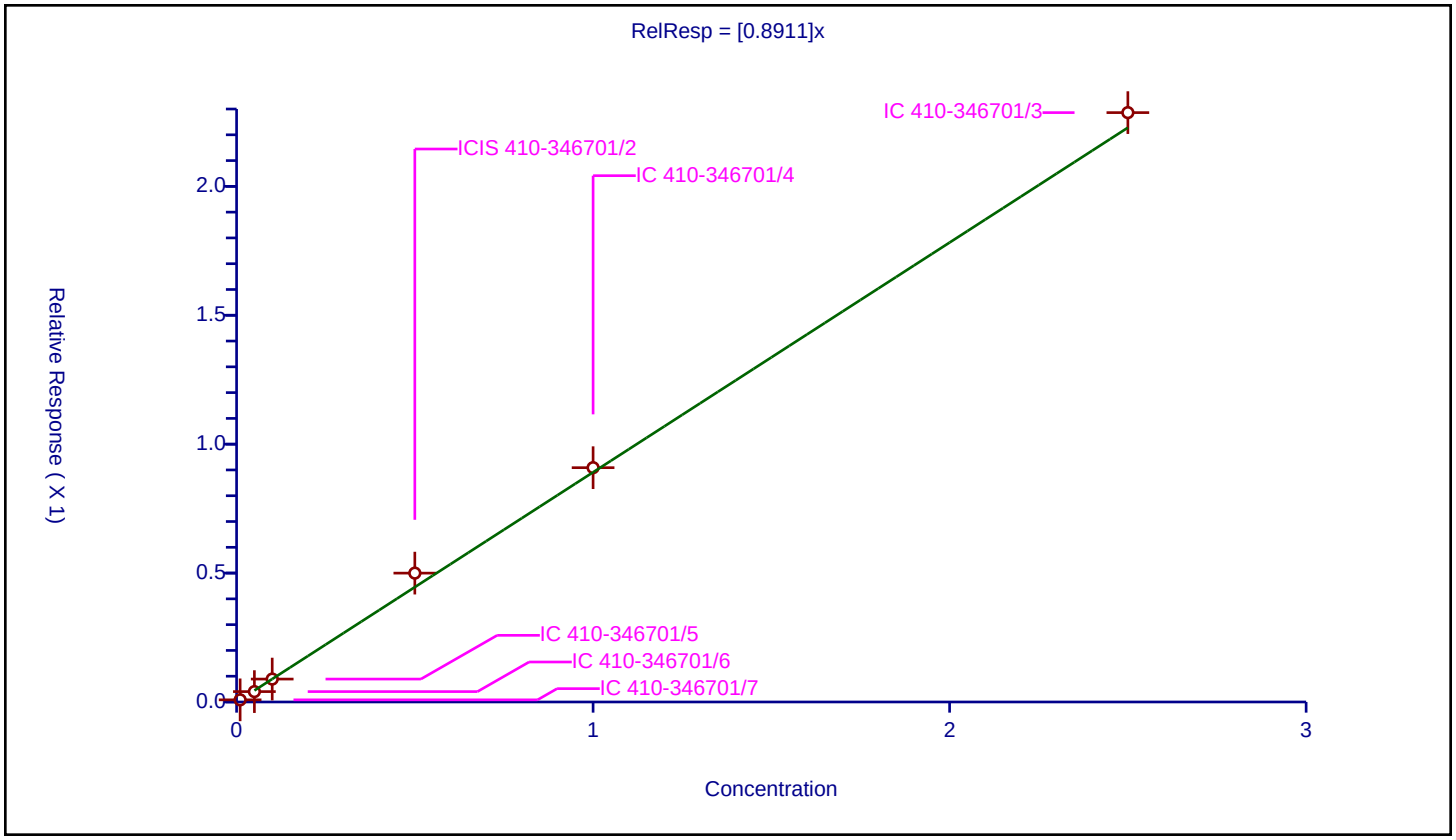
Curve Coefficients

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

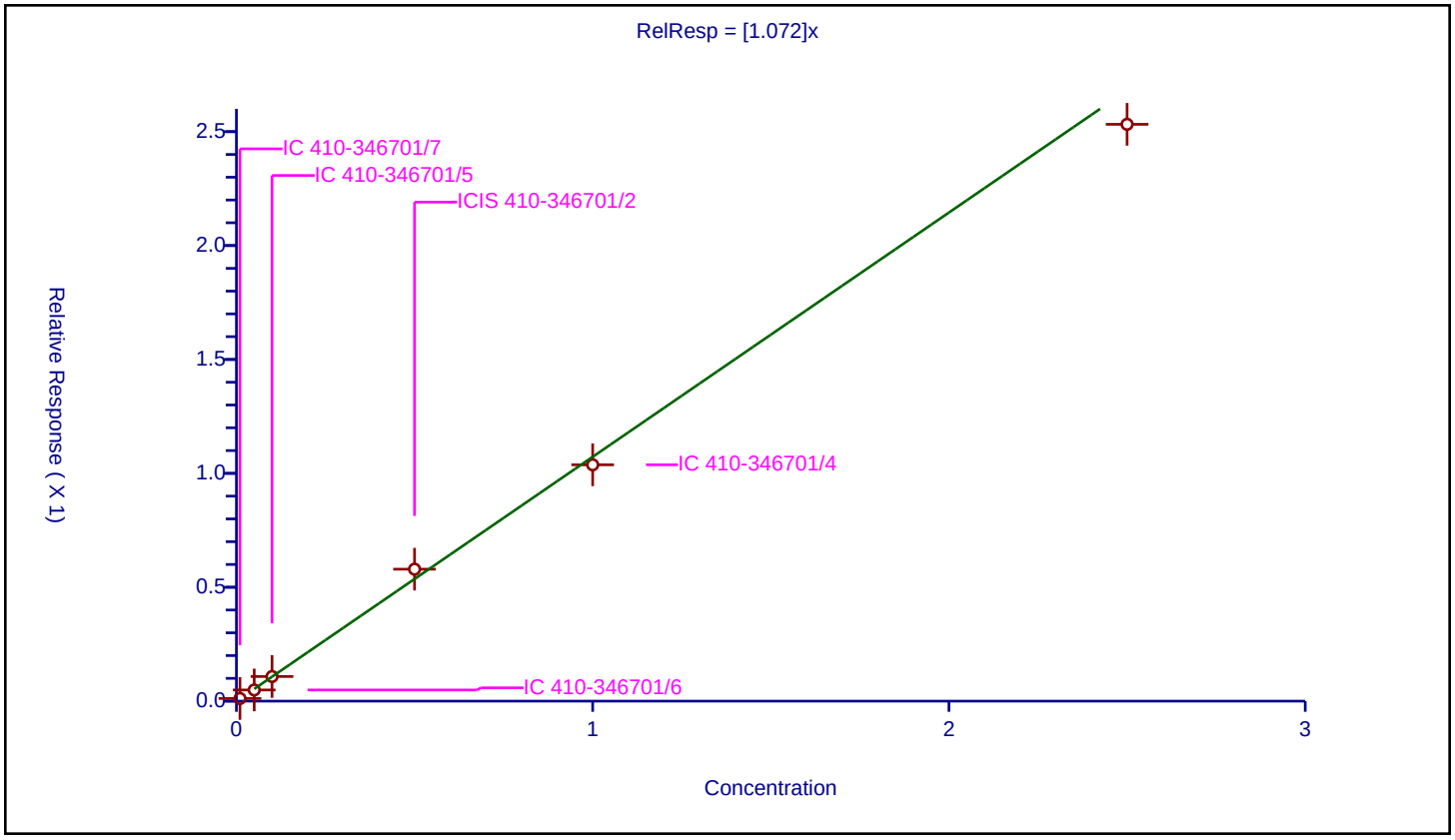
Curve Coefficients

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 Job No.: 410-127407-1

SDG No.:

Lab Sample ID (1): ICIS 410-346701/2 Instrument ID (1): HP23263

GC Column (1): DB-5MS 30m 0. 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		

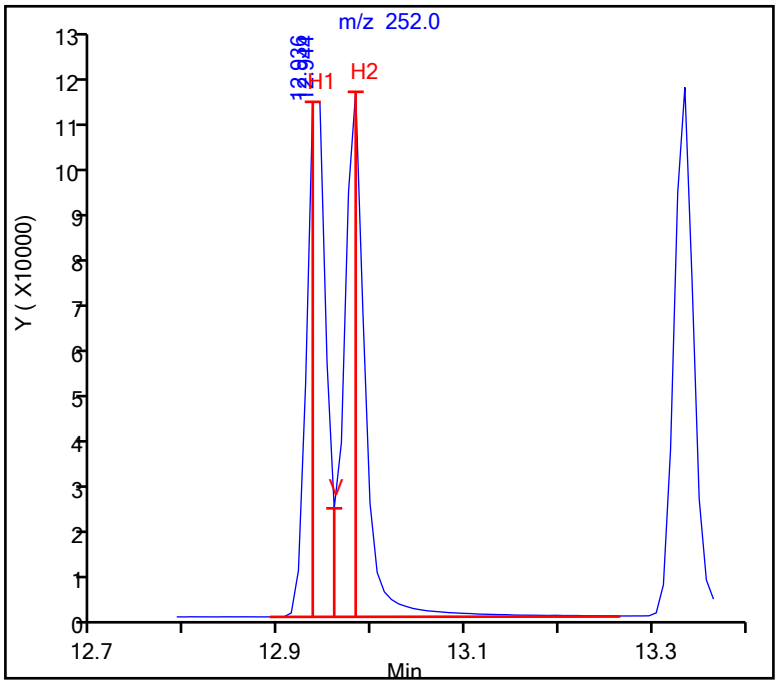
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

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 Job No.: 410-127407-1

SDG No.:

Lab Sample ID (1): ICIS 410-368078/2 Instrument ID (1): HP21585

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 04/25/2023 06:05

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.77	21.30

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0951.D				
Injection Date:	25-Apr-2023 06:05:40	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		

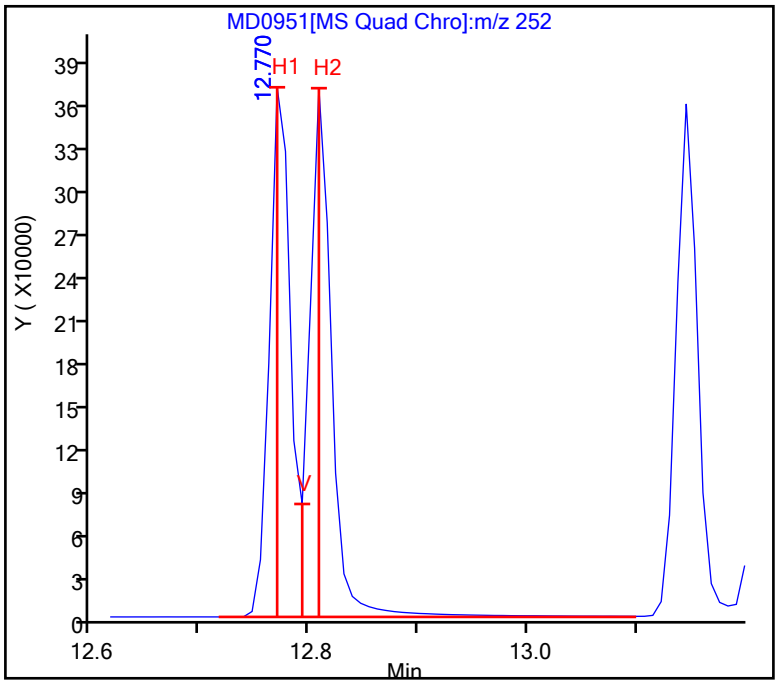
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 79406
H1(33 Benzo[b]fluoranthen) = 372286
H2(34 Benzo[k]fluoranthen) = 371645

Version D: %R = 21.3 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-127407-1

SDG No.:

Lab Sample ID (1): CCVIS 410-380221/2 Instrument ID (1): HP23263

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 05/26/2023 04:44

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.86	22.80

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0551.D				
Injection Date:	26-May-2023 04:44:30	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		

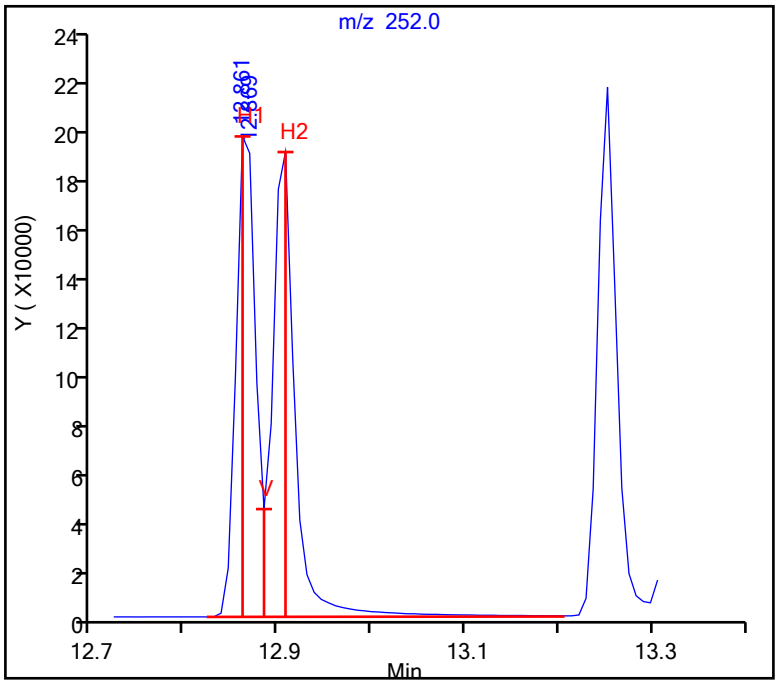
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 42936
H1(33 Benzo[b]fluoranthen) = 191416
H2(34 Benzo[k]fluoranthen) = 185190

Version D: %R = 22.8 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-127407-1

SDG No.:

Lab Sample ID (1): CCVIS 410-380829/2 Instrument ID (1): HP21585

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 05/30/2023 04:50

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.72	20.60

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1161.D				
Injection Date:	30-May-2023 04:50:58	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		

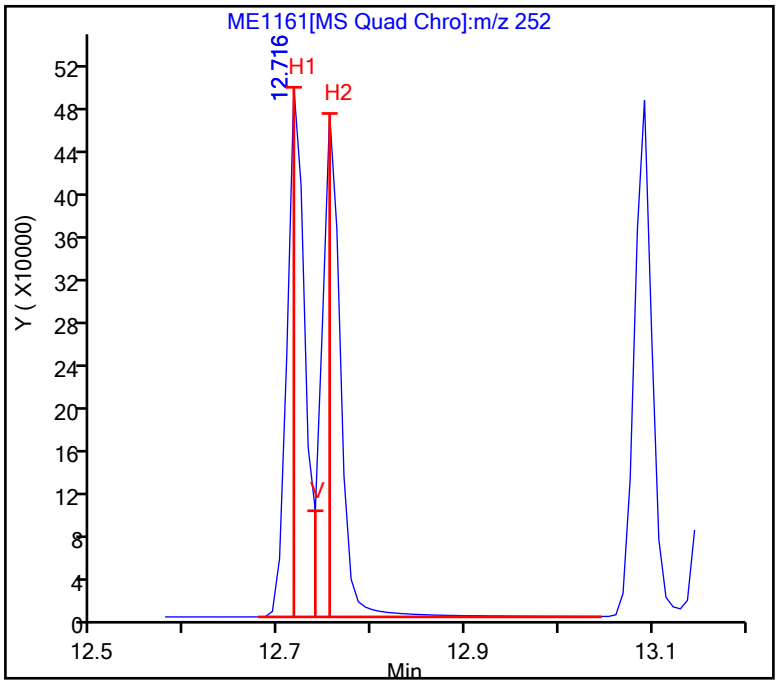
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 99854
H1(33 Benzo[b]fluoranthen) = 498036
H2(34 Benzo[k]fluoranthen) = 473415

Version D: %R = 20.6 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-127407-1

SDG No.:

Lab Sample ID (1): CCVIS 410-382216/2 Instrument ID (1): HP21585

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 06/02/2023 05:04

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.72	20.70

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0051.D				
Injection Date:	02-Jun-2023 05:04:12	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		

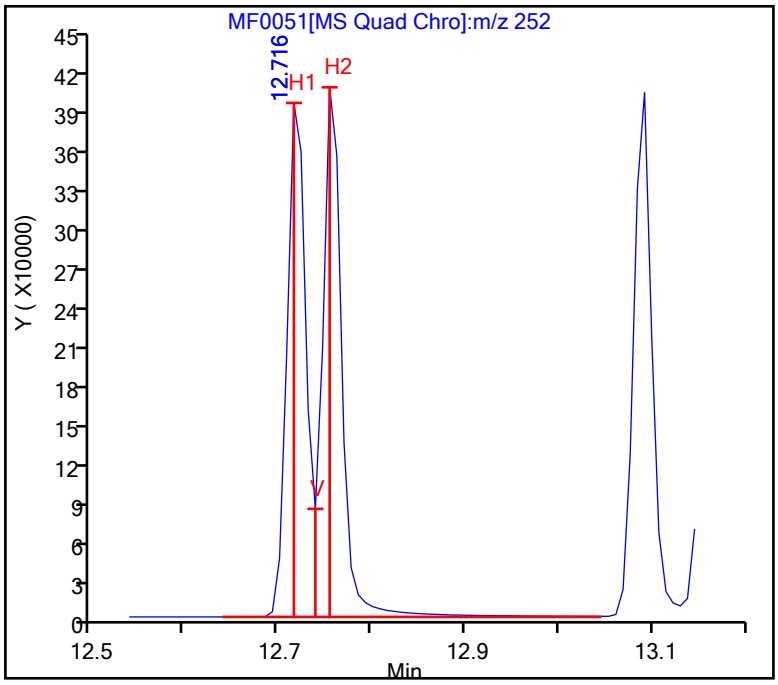
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 82741
H1(33 Benzo[b]fluoranthen) = 393299
H2(34 Benzo[k]fluoranthen) = 405278

Version D: %R = 20.7 <= 50.0
Passed



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-368078/9 Calibration Date: 04/25/2023 08:53

Instrument ID: HP21585 Calib Start Date: 04/25/2023 06:05

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/25/2023 08:11

Lab File ID: MD0958.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6132	0.6304		0.257	0.250	2.8	30.0
N-Nitrosodimethylamine	Ave	0.7683	0.7805		0.254	0.250	1.6	30.0
Bis(2-chloroethyl)ether	Ave	0.4027	0.3998		0.248	0.250	-0.7	30.0
Naphthalene	Ave	1.162	1.135		0.244	0.250	-2.3	30.0
2-Methylnaphthalene	Ave	0.7779	0.7112		0.229	0.250	-8.6	30.0
1-Methylnaphthalene	Ave	0.7261	0.6719		0.231	0.250	-7.5	30.0
Dimethylphthalate	Ave	1.340	1.368		0.255	0.250	2.0	30.0
Acenaphthylene	Ave	1.869	1.759		0.235	0.250	-5.9	30.0
Acenaphthene	Ave	1.211	1.228		0.254	0.250	1.4	30.0
Dibenzofuran	Ave	2.110	1.979		0.234	0.250	-6.2	30.0
Diethylphthalate	Ave	1.202	1.230		0.256	0.250	2.3	30.0
Fluorene	Ave	1.547	1.465		0.237	0.250	-5.3	30.0
N-Nitrosodiphenylamine	Ave	0.4512	0.5746		0.271	0.213	27.3	30.0
Hexachlorobenzene	Ave	0.3164	0.2748		0.217	0.250	-13.1	30.0
Phenanthrene	Ave	1.243	1.110		0.223	0.250	-10.7	30.0
Anthracene	Ave	1.079	1.022		0.237	0.250	-5.3	30.0
Di-n-butyl phthalate	Ave	0.8543	0.7661		0.224	0.250	-10.3	30.0
Fluoranthene	Ave	1.394	1.154		0.207	0.250	-17.2	30.0
Pyrene	Ave	1.606	1.371		0.213	0.250	-14.6	30.0
Butylbenzylphthalate	Ave	0.3731	0.2858		0.192	0.250	-23.4	30.0
Benzo[a]anthracene	Ave	1.309	1.096		0.209	0.250	-16.3	30.0
Chrysene	Ave	1.592	1.367		0.215	0.250	-14.1	30.0
Bis(2-ethylhexyl) phthalate	Lin2		0.3481		0.263	0.250	5.1	30.0
Di-n-octyl phthalate	Ave	0.7355	0.5096		0.173	0.250	-30.7*	30.0
Benzo[b]fluoranthene	Ave	1.321	1.206		0.228	0.250	-8.7	30.0
Benzo[k]fluoranthene	Ave	1.409	1.438		0.255	0.250	2.1	30.0
Benzo[a]pyrene	Ave	1.195	1.051		0.220	0.250	-12.1	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.099	1.003		0.228	0.250	-8.7	30.0
Dibenz(a,h)anthracene	Ave	1.267	1.206		0.238	0.250	-4.8	30.0
Benzo[g,h,i]perylene	Ave	1.400	1.305		0.233	0.250	-6.8	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0958.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 25-Apr-2023 08:53:55 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0082279-009, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 25-Apr-2023 09:32:00 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: UJM0 Date: 25-Apr-2023 09:21:19

	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	1.679	1.687	-0.008	84	33521	0.2500	0.2570	M
	2 N-Nitrosodimethylamine	74	1.973	1.999	-0.026	88	41502	0.2500	0.2540	
	3 Bis(2-chloroethyl)ether	93	4.243	4.243	0.000	87	72196	0.2500	0.2482	
*	4 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	99	53176	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.718	5.718	0.000	91	180588	0.2500	0.2500	
	6 Naphthalene	128	5.743	5.743	0.000	92	204888	0.2500	0.2442	
	8 2-Methylnaphthalene	142	6.401	6.401	0.000	95	128428	0.2500	0.2286	
	10 1-Methylnaphthalene	142	6.490	6.490	0.000	98	121345	0.2500	0.2314	
	11 Dimethyl phthalate	163	7.140	7.140	0.000	75	139186	0.2500	0.2551	
	12 Acenaphthylene	152	7.248	7.248	0.000	98	179039	0.2500	0.2353	M
*	13 Acenaphthene-d10	164	7.386	7.386	0.000	93	101771	0.2500	0.2500	
	14 Acenaphthene	154	7.416	7.415	0.001	90	125019	0.2500	0.2536	
	15 Dibenzofuran	168	7.583	7.583	0.000	96	201366	0.2500	0.2345	
	16 Diethyl phthalate	149	7.810	7.810	0.000	99	125159	0.2500	0.2558	
	17 Fluorene	166	7.904	7.904	0.000	98	149103	0.2500	0.2368	
	18 N-Nitrosodiphenylamine	169	8.021	8.028	-0.007	99	100458	0.2125	0.2706	
	19 Hexachlorobenzene	284	8.427	8.426	0.001	89	56529	0.2500	0.2172	
*	20 Phenanthrene-d10	188	8.794	8.793	0.001	95	205679	0.2500	0.2500	
	21 Phenanthrene	178	8.817	8.817	0.000	100	228303	0.2500	0.2233	
	22 Anthracene	178	8.864	8.864	0.000	100	210135	0.2500	0.2367	
	23 Di-n-butyl phthalate	149	9.372	9.371	0.001	100	157574	0.2500	0.2242	
	25 Fluoranthene	202	9.942	9.942	0.000	99	237335	0.2500	0.2069	
	26 Pyrene	202	10.155	10.155	0.000	98	253033	0.2500	0.2135	
	27 Butyl benzyl phthalate	149	10.822	10.821	0.001	100	52749	0.2500	0.1915	
	28 Benzo[a]anthracene	228	11.397	11.397	0.000	100	202280	0.2500	0.2093	
*	29 Chrysene-d12	240	11.412	11.412	0.000	63	184574	0.2500	0.2500	
	30 Chrysene	228	11.443	11.443	0.000	100	252368	0.2500	0.2147	
	31 Bis(2-ethylhexyl) phthalate	149	11.489	11.489	0.000	100	64255	0.2500	0.2628	
	32 Di-n-octyl phthalate	149	12.333	12.332	0.001	100	91040	0.2500	0.1732	
	33 Benzo[b]fluoranthene	252	12.770	12.770	0.000	100	215529	0.2500	0.2283	

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	12.808	12.808	0.000	100	256916	0.2500	0.2552	
37 Benzo[a]pyrene	252	13.215	13.214	0.001	100	187788	0.2500	0.2198	
* 38 Perylene-d12	264	13.291	13.291	0.000	100	178648	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.837	14.836	0.001	99	179229	0.2500	0.2282	M
41 Dibenz(a,h)anthracene	278	14.886	14.886	0.000	96	215367	0.2500	0.2379	
42 Benzo[g,h,i]perylene	276	15.253	15.253	0.000	96	233191	0.2500	0.2331	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_ICV_00037 Amount Added: 1.00 Units: mL

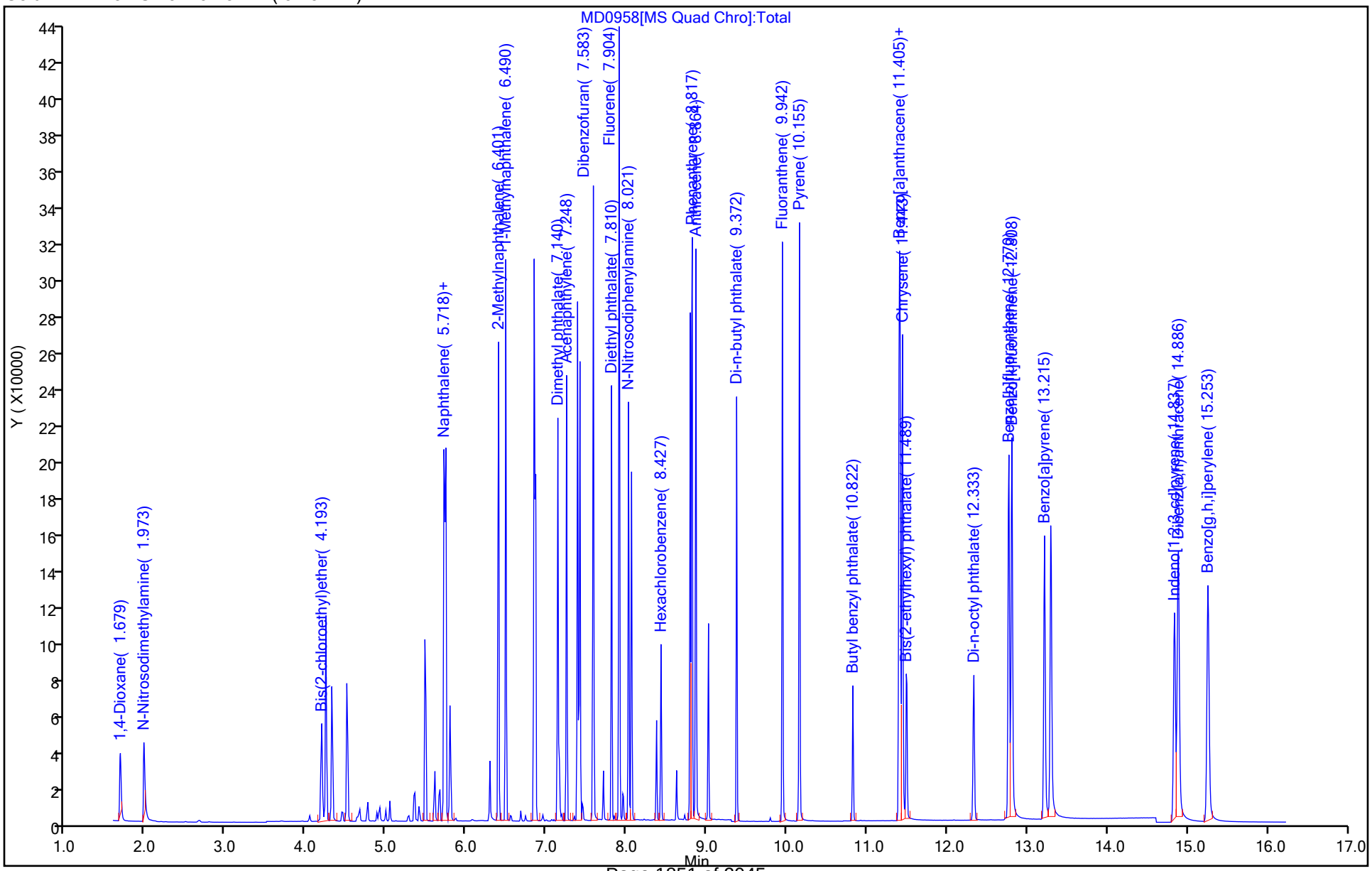
Report Date: 25-Apr-2023 09:32:02 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0958.D

Injection Date:	25-Apr-2023 08:53:55	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

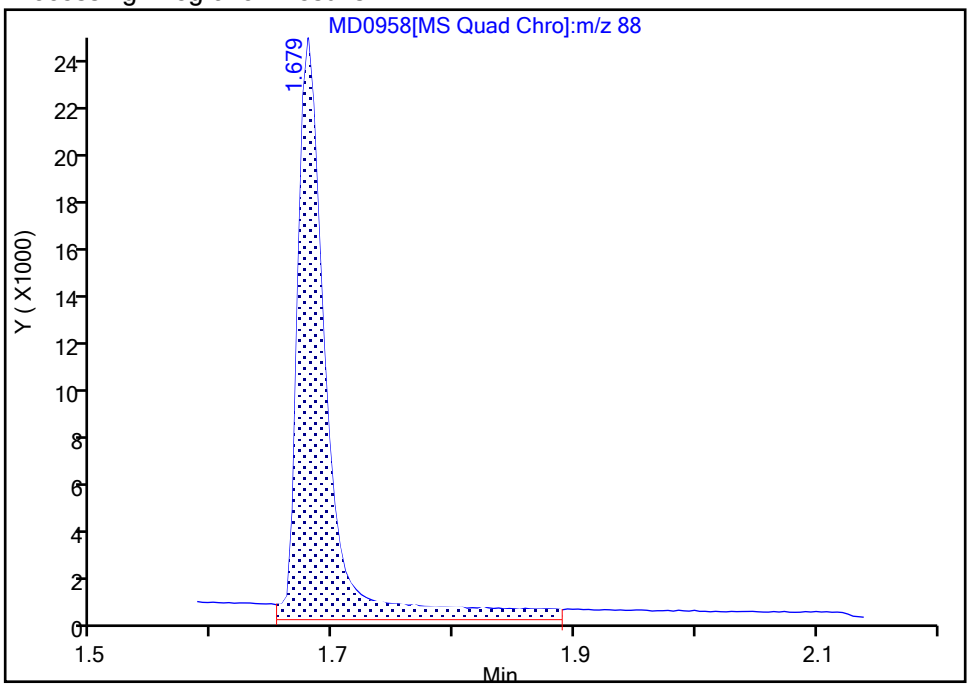
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0958.D				
Injection Date:	25-Apr-2023 08:53:55	Instrument ID:	HP21585		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

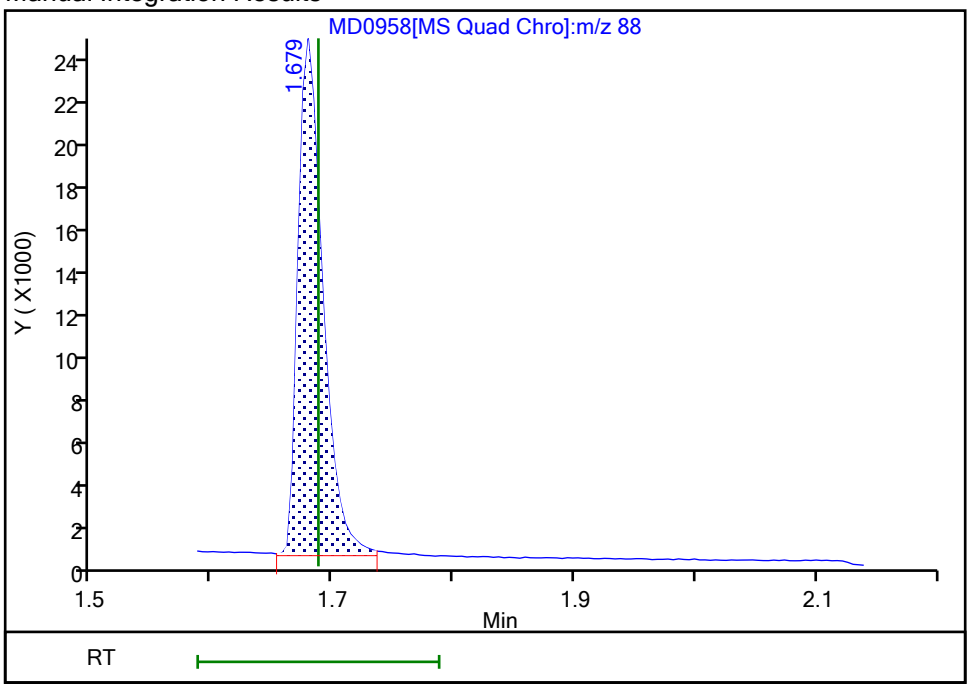
Processing Integration Results

RT: 1.68
Area: 41603
Amount: 0.318988
Amount Units: ug/ml



Manual Integration Results

RT: 1.68
Area: 33521
Amount: 0.257020
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 09:17:07
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

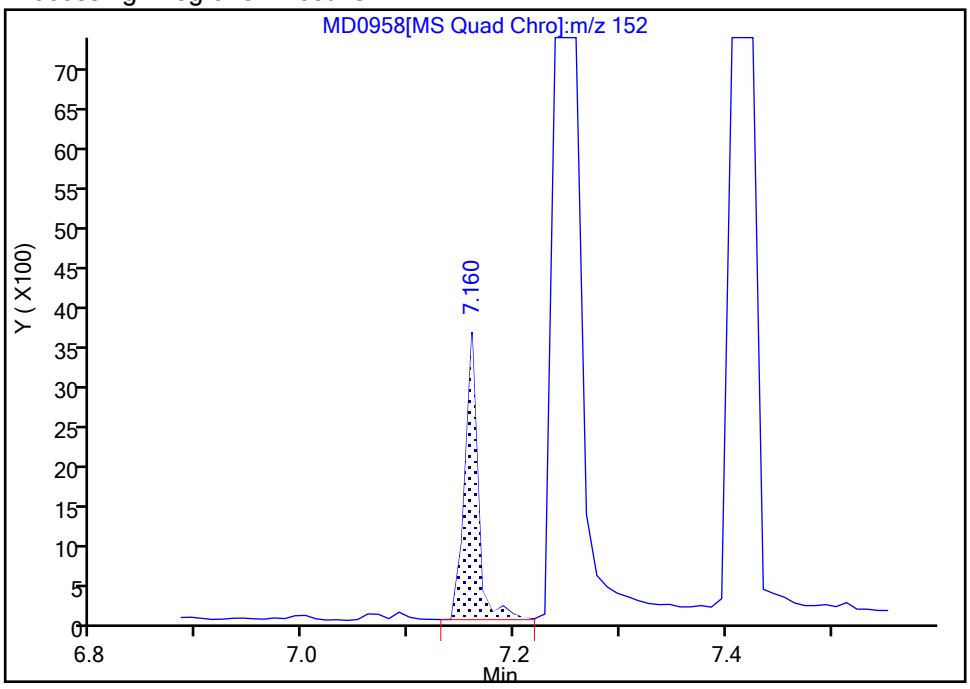
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0958.D				
Injection Date:	25-Apr-2023 08:53:55	Instrument ID:	HP21585		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

12 Acenaphthylene, CAS: 208-96-8

Signal: 1

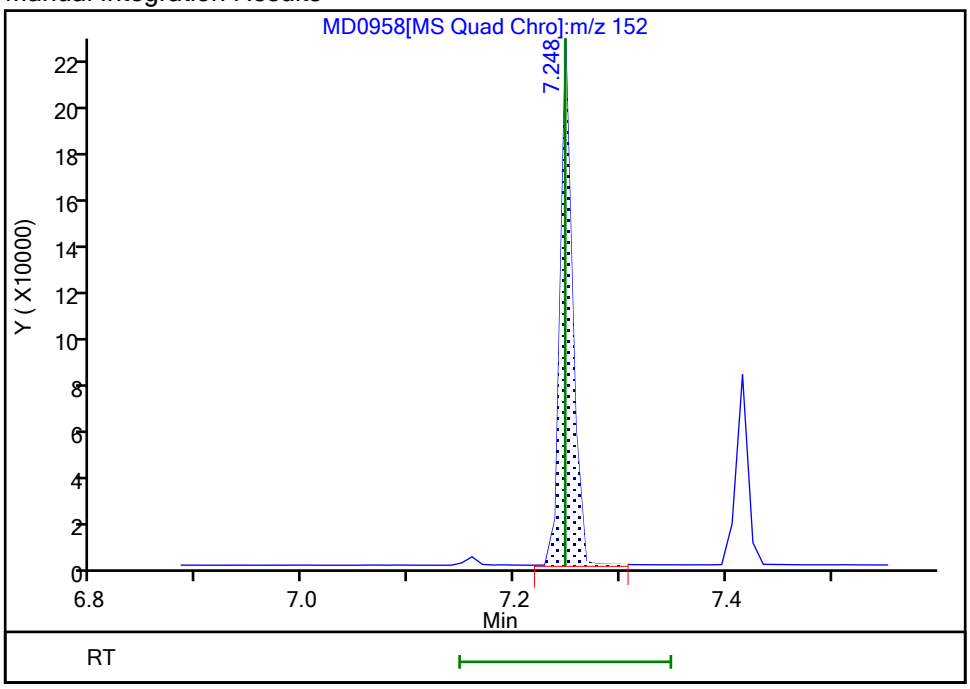
Processing Integration Results

RT: 7.16
Area: 3073
Amount: 0.004039
Amount Units: ug/ml



Manual Integration Results

RT: 7.25
Area: 179039
Amount: 0.235330
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 09:17:38
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

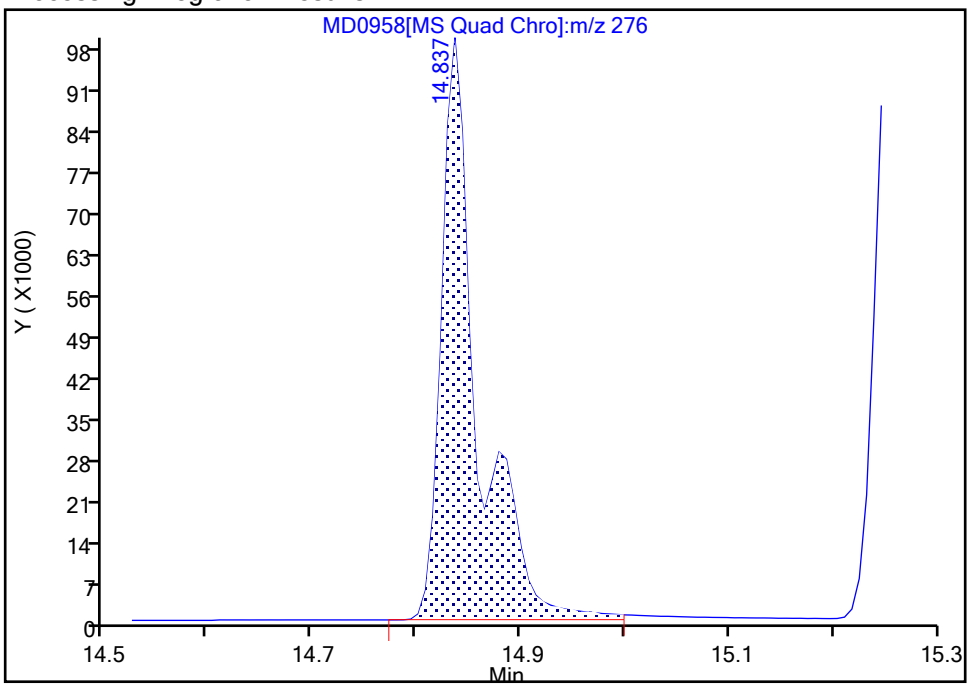
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0958.D				
Injection Date:	25-Apr-2023 08:53:55	Instrument ID:	HP21585		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

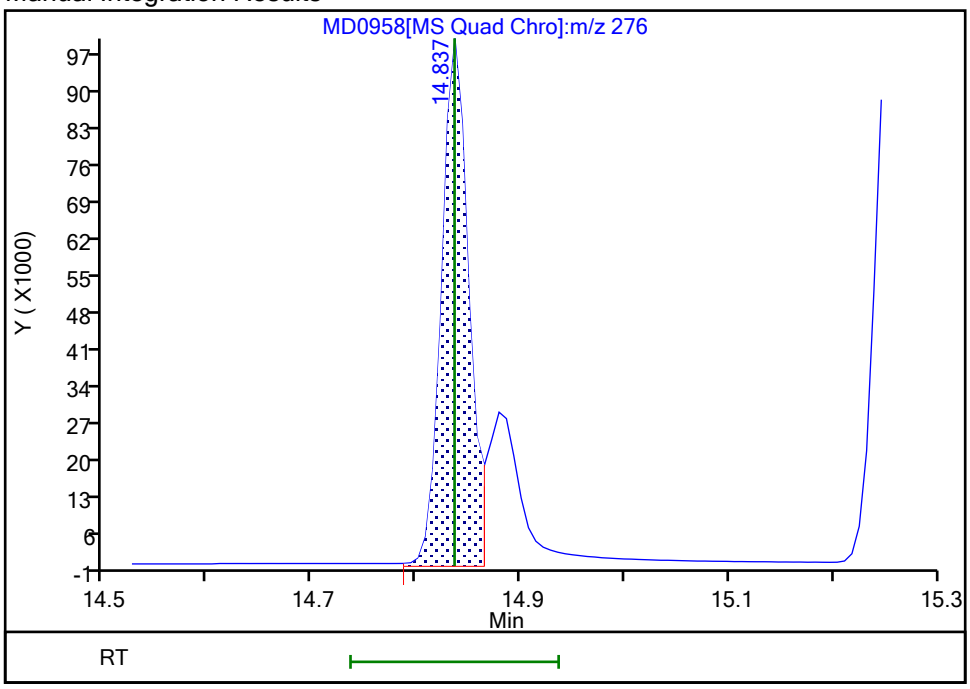
Processing Integration Results

RT: 14.84
Area: 243118
Amount: 0.309538
Amount Units: ug/ml



Manual Integration Results

RT: 14.84
Area: 179229
Amount: 0.228194
Amount Units: ug/ml



Reviewer: UJM0, 25-Apr-2023 09:17:58
Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: ICV 410-369143/3 Calibration Date: 04/27/2023 04:35

Instrument ID: HP21585 Calib Start Date: 04/25/2023 06:05

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/25/2023 08:11

Lab File ID: MD1052.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	0.7355	0.5440		0.185	0.250	-26.0	30.0
1,4-Dioxane	Ave	0.6132				0.250		
1-Methylnaphthalene	Ave	0.7261				0.250		
2-Methylnaphthalene	Ave	0.7779				0.250		
Acenaphthene	Ave	1.211				0.250		
Acenaphthylene	Ave	1.869				0.250		
Anthracene	Ave	1.079				0.250		
Benzo[a]anthracene	Ave	1.309				0.250		
Benzo[a]pyrene	Ave	1.195				0.250		
Benzo[b]fluoranthene	Ave	1.321				0.250		
Benzo[g,h,i]perylene	Ave	1.400				0.250		
Benzo[k]fluoranthene	Ave	1.409				0.250		
Bis(2-chloroethyl)ether	Ave	0.4027				0.250		
Bis(2-ethylhexyl) phthalate	Lin2					0.250	-100.0*	30.0
Butylbenzylphthalate	Ave	0.3731				0.250		
Chrysene	Ave	1.592				0.250		
Dibenz(a,h)anthracene	Ave	1.267				0.250		
Dibenzofuran	Ave	2.110				0.250		
Diethylphthalate	Ave	1.202				0.250		
Dimethylphthalate	Ave	1.340				0.250		
Di-n-butyl phthalate	Ave	0.8543				0.250		
Fluoranthene	Ave	1.394				0.250		
Fluorene	Ave	1.547				0.250		
Hexachlorobenzene	Ave	0.3164				0.250		
Indeno[1,2,3-cd]pyrene	Ave	1.099				0.250		
Naphthalene	Ave	1.162				0.250		
N-Nitrosodimethylamine	Ave	0.7683				0.250		
N-Nitrosodiphenylamine	Ave	0.4512				0.213		
Phenanthrene	Ave	1.243				0.250		
Pyrene	Ave	1.606				0.250		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 27-Apr-2023 04:35:18 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 410-0082514-003, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 27-Apr-2023 10:06:27 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: UJM0 Date: 27-Apr-2023 10:06:38

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	4.506	4.518	-0.012	100	56347	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.718	5.718	0.000	91	191016	0.2500	0.2500	
* 13 Acenaphthene-d10	164	7.387	7.386	0.000	95	107749	0.2500	0.2500	
* 20 Phenanthrene-d10	188	8.794	8.794	0.000	94	214787	0.2500	0.2500	
* 29 Chrysene-d12	240	11.413	11.420	-0.007	72	191413	0.2500	0.2500	
32 Di-n-octyl phthalate	149	12.333	12.333	-0.007	100	101067	0.2500	0.1849	
* 38 Perylene-d12	264	13.299	13.299	0.000	100	185770	0.2500	0.2500	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVSIM_ICV_00037 Amount Added: 1.00 Units: mL

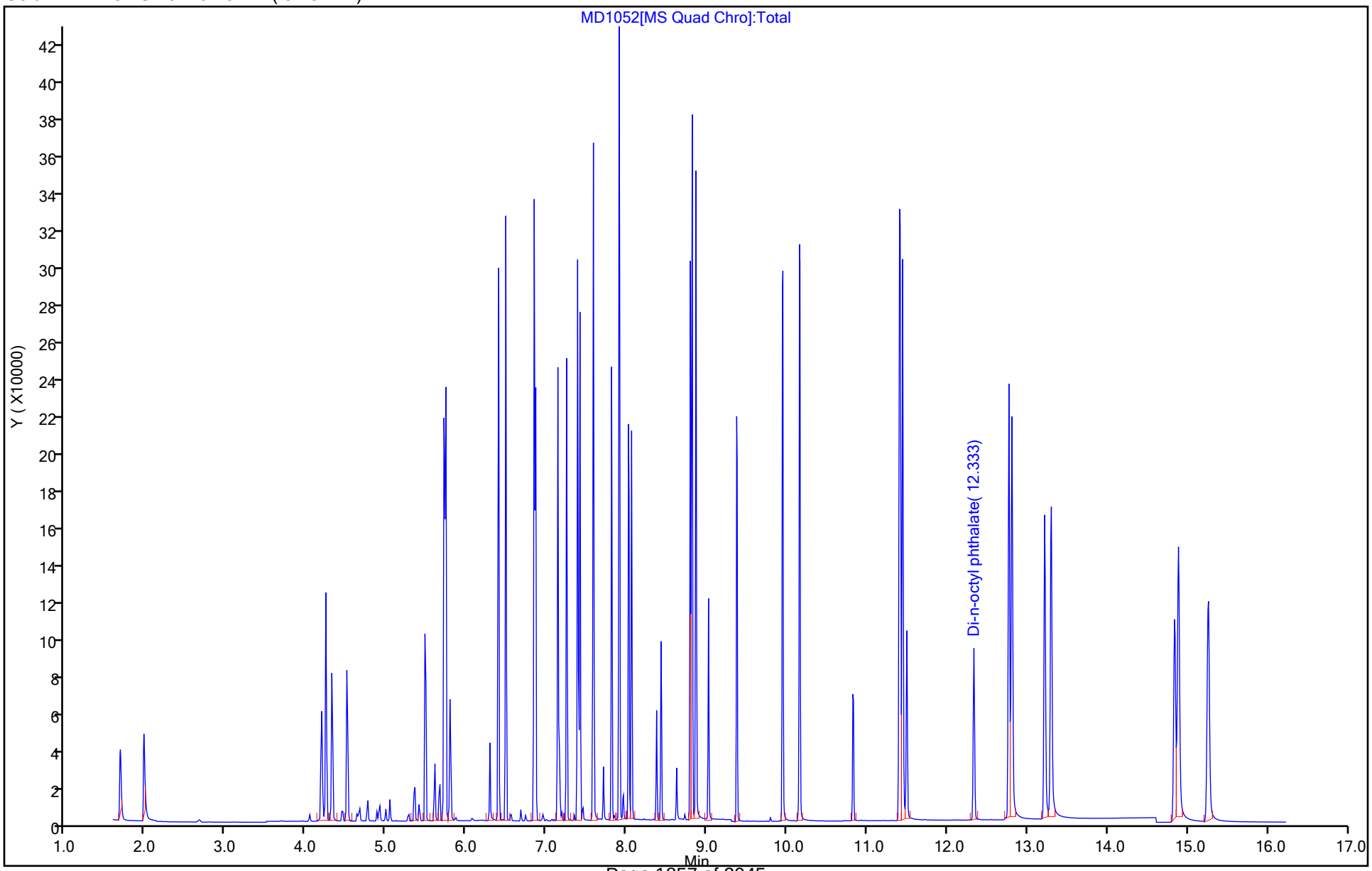
Report Date: 27-Apr-2023 10:06:50 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D

Injection Date:	27-Apr-2023 04:35:18	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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

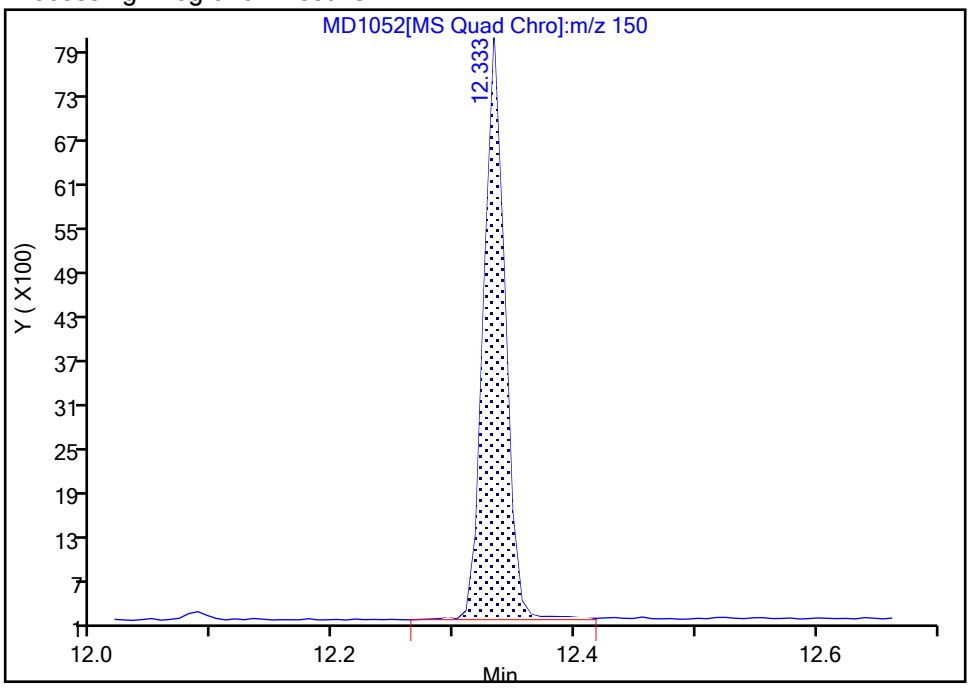
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

32 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 2

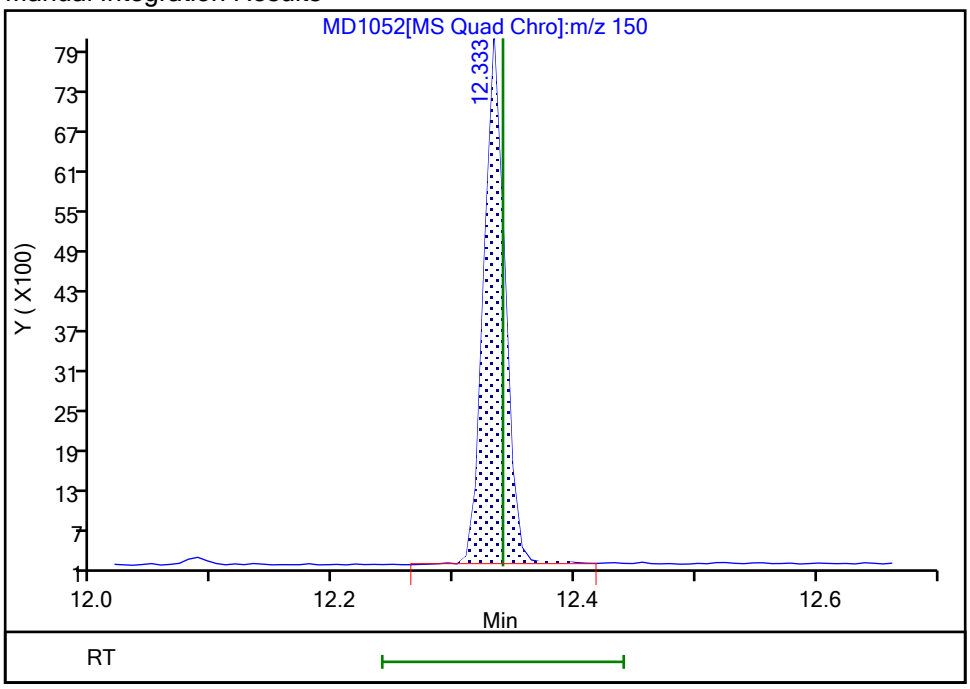
Processing Integration Results

RT: 12.33
Area: 9719
Amount: 0.184921
Amount Units: ug/ml



Manual Integration Results

RT: 12.33
Area: 9719
Amount: 0.184921
Amount Units: ug/ml



Reviewer: UJM0, 27-Apr-2023 10:06:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 27-Apr-2023 10:06:50 Chrom Revision: 2.3 20-Apr-2023 08:27:48

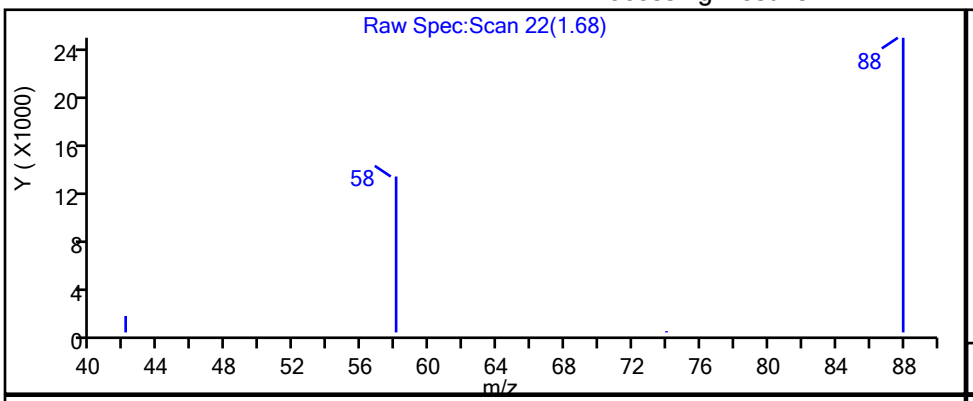
User Disabled Compound Report

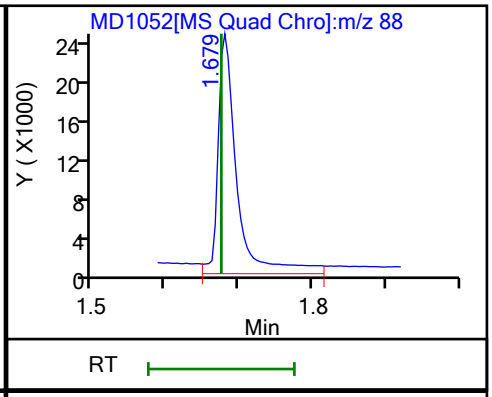
Eurofins Lancaster Laboratories Environment Testing, LLC

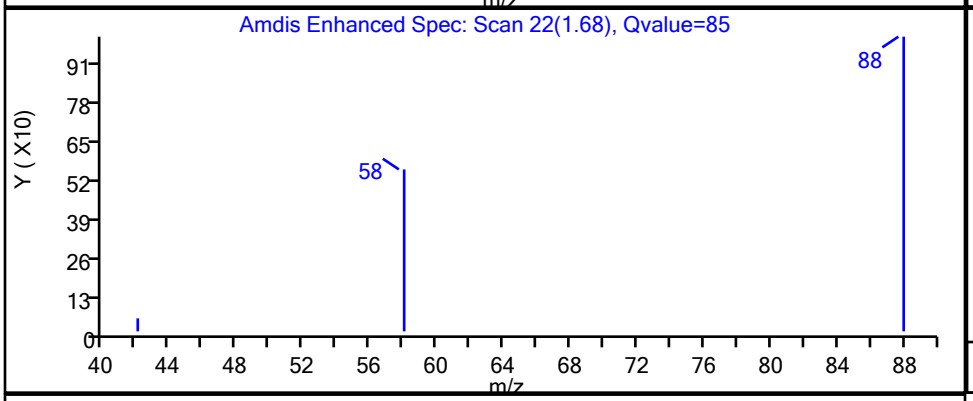
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

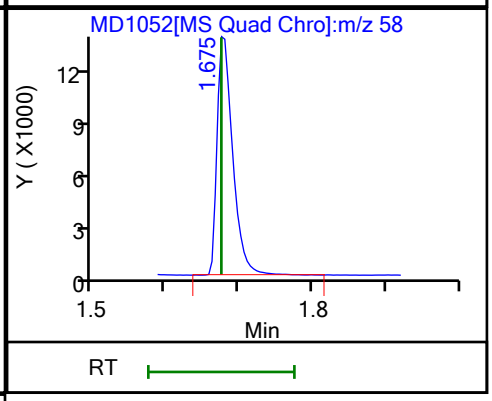
1 1,4-Dioxane, CAS: 123-91-1

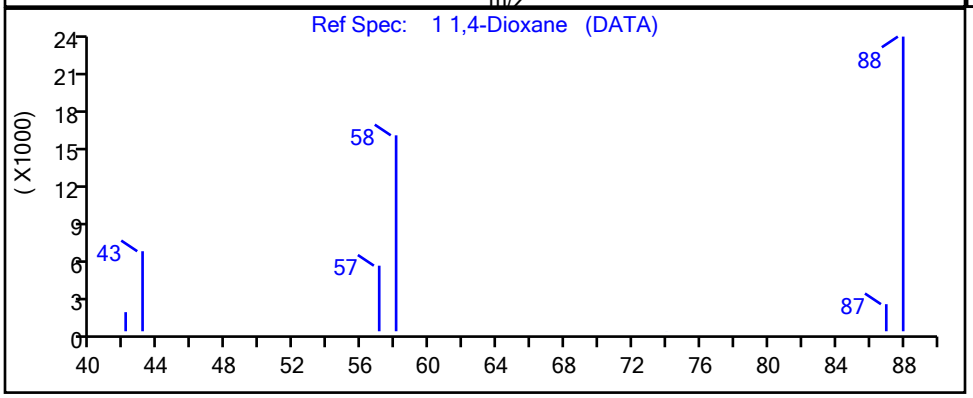
Processing Results











RT	Mass	Response	Amount
1.68	88.00	42247	0.305696
1.68	58.00	19721	

Reviewer: UJM0, 27-Apr-2023 10:05:25

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

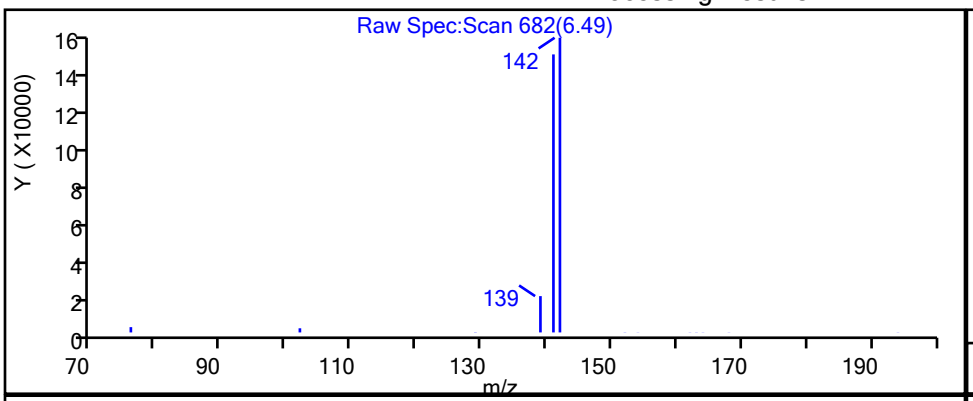
User Disabled Compound Report

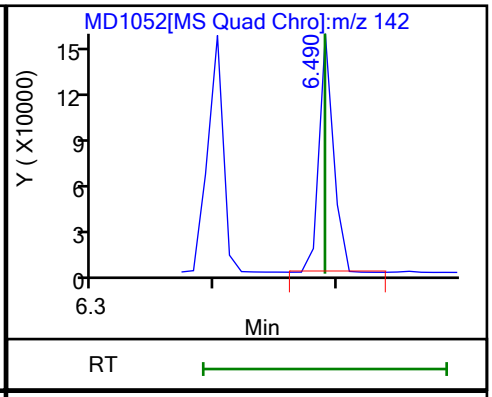
Eurofins Lancaster Laboratories Environment Testing, LLC

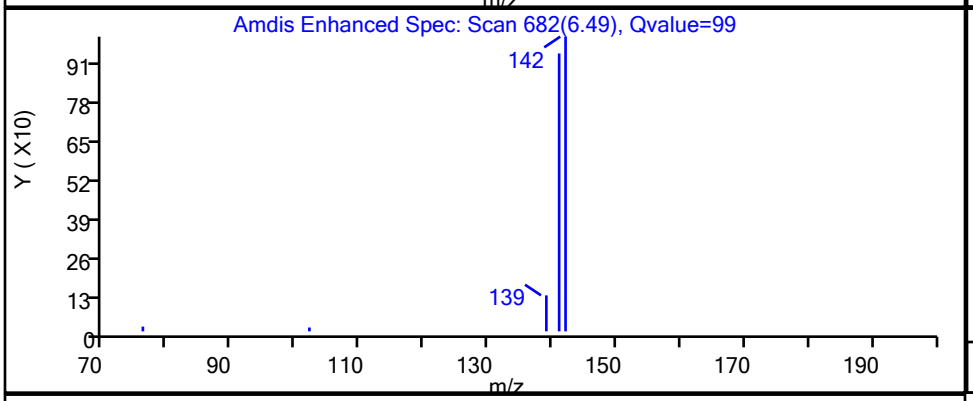
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

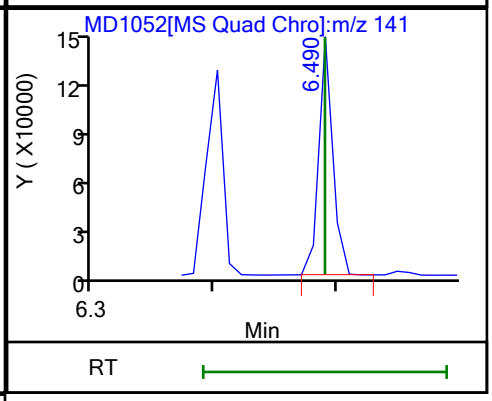
10 1-Methylnaphthalene, CAS: 90-12-0

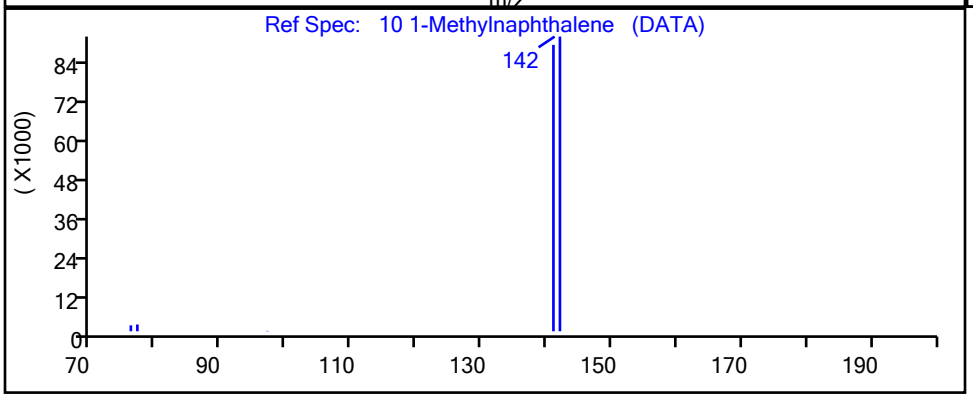
Processing Results











RT	Mass	Response	Amount
6.49	142.00	125787	0.226745
6.49	141.00	116053	

Reviewer: UJM0, 27-Apr-2023 10:05:34

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

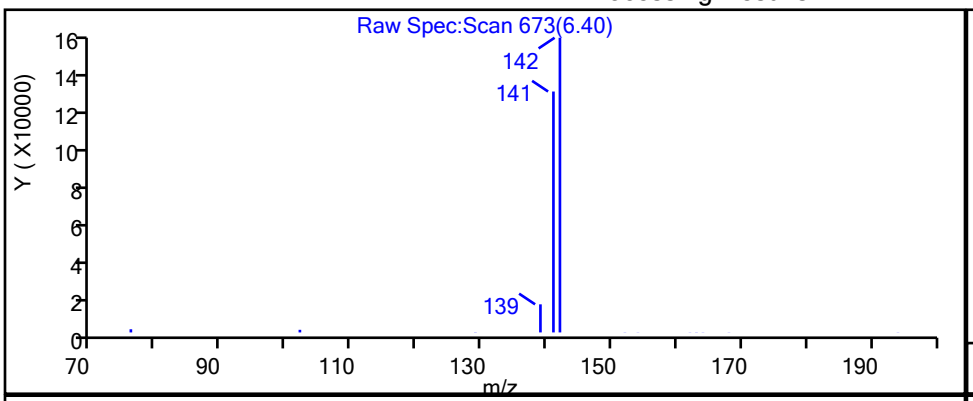
User Disabled Compound Report

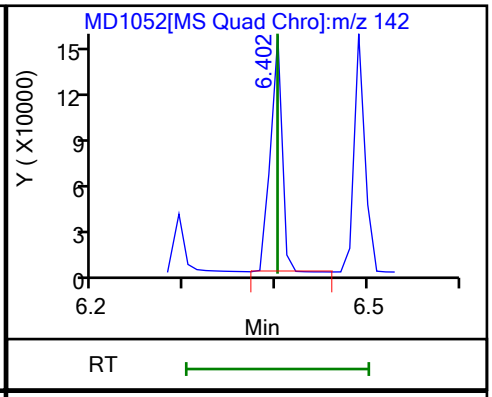
Eurofins Lancaster Laboratories Environment Testing, LLC

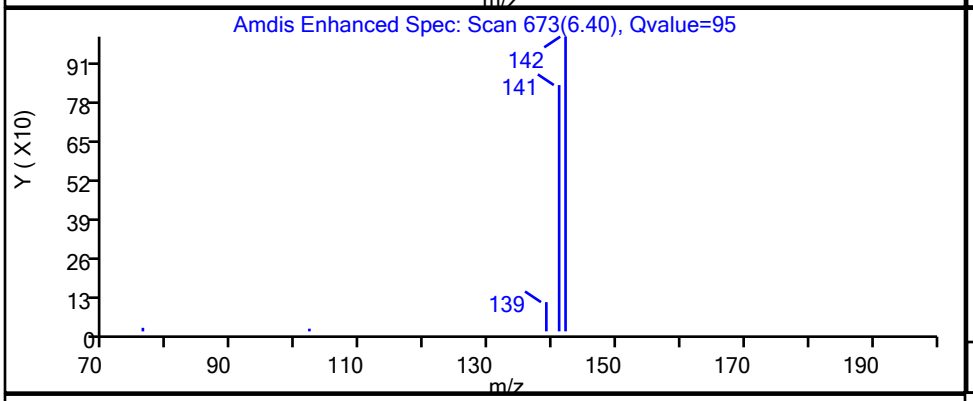
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

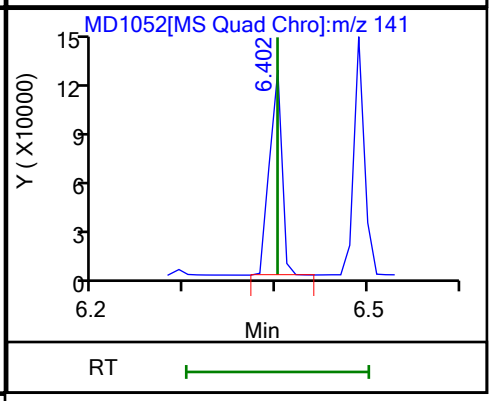
8 2-Methylnaphthalene, CAS: 91-57-6

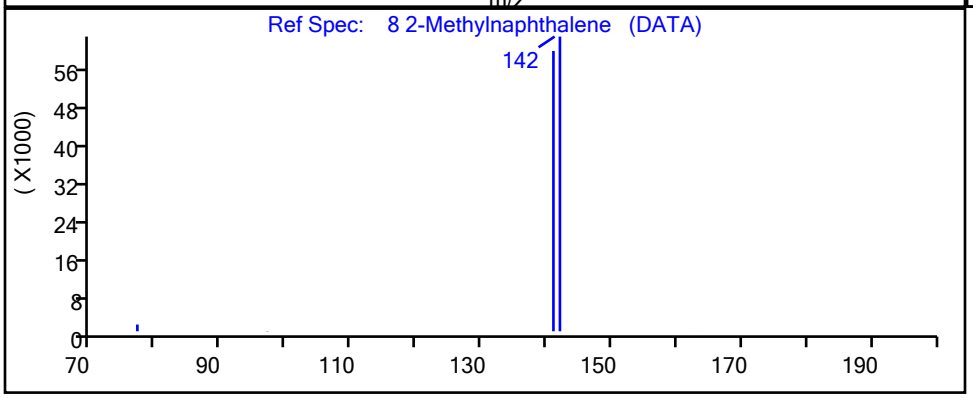
Processing Results











RT	Mass	Response	Amount
6.40	142.00	135207	0.227492
6.40	141.00	117842	

Reviewer: UJM0, 27-Apr-2023 10:05:32

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

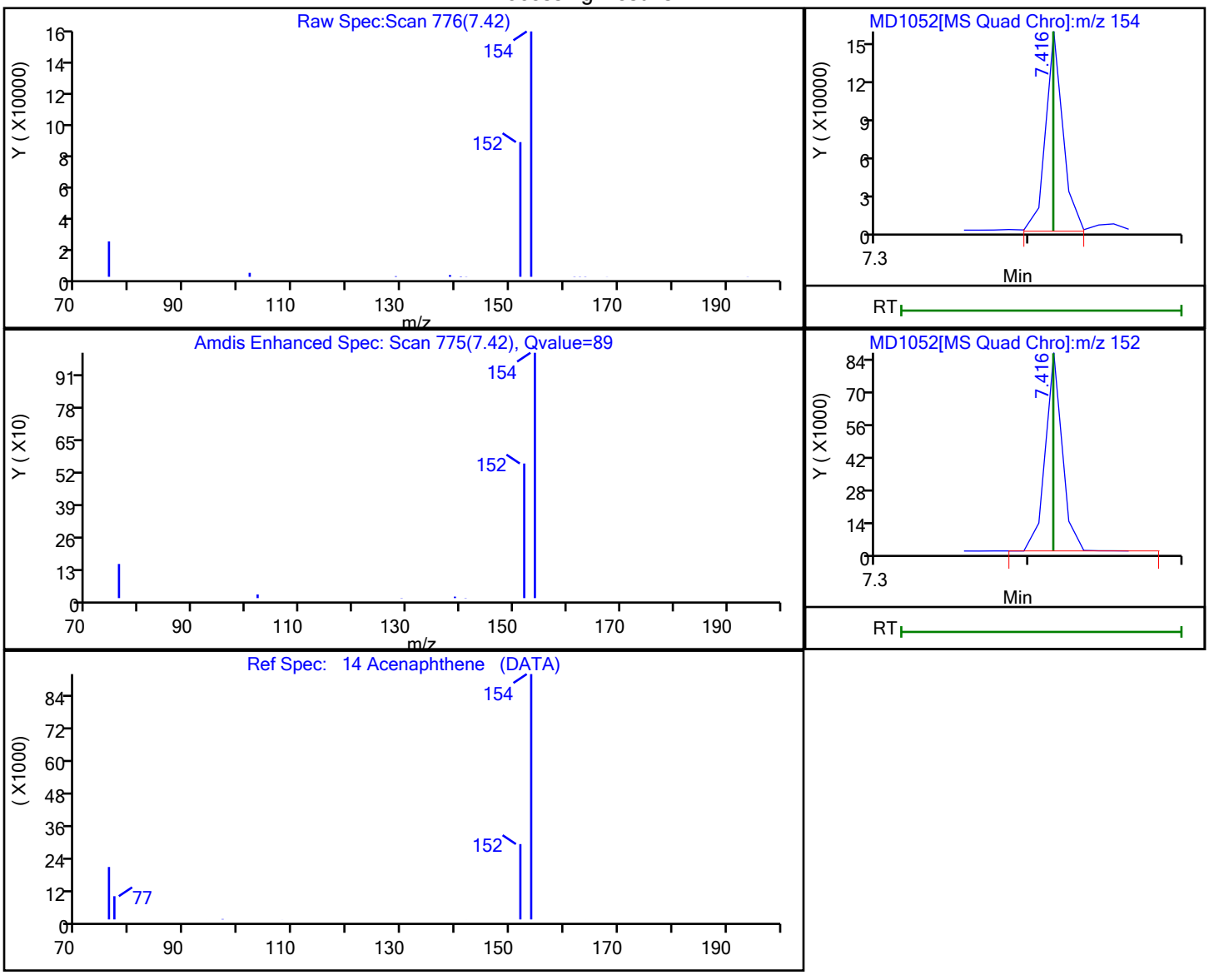
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	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
7.42	154.00	122003	0.233741
7.42	152.00	67349	

Reviewer: UJM0, 27-Apr-2023 10:05:38

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

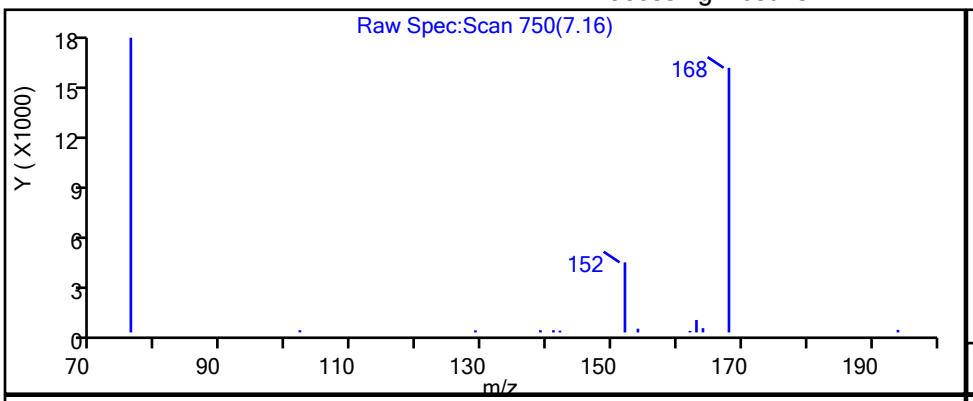
User Disabled Compound Report

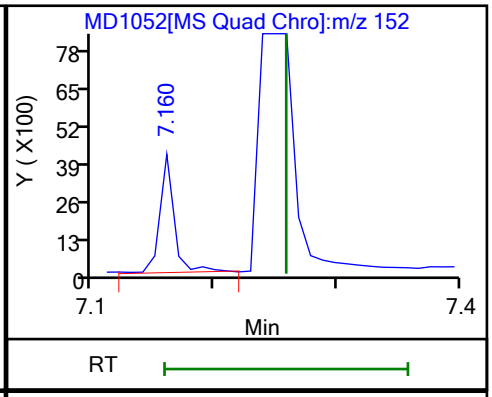
Eurofins Lancaster Laboratories Environment Testing, LLC

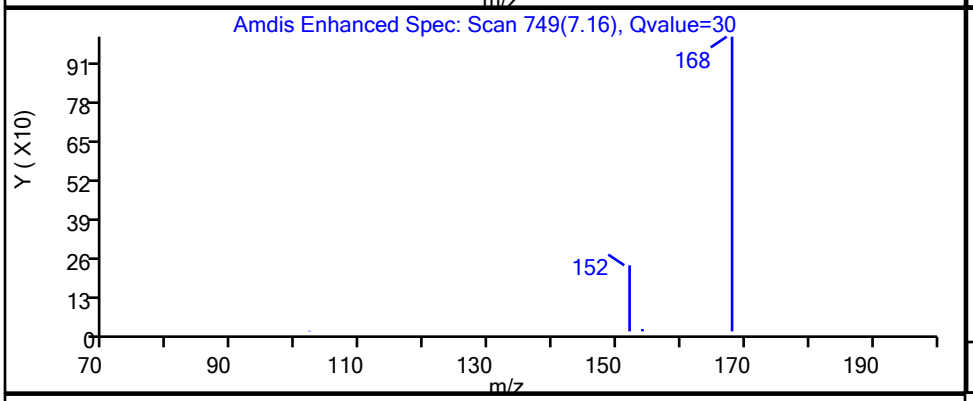
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

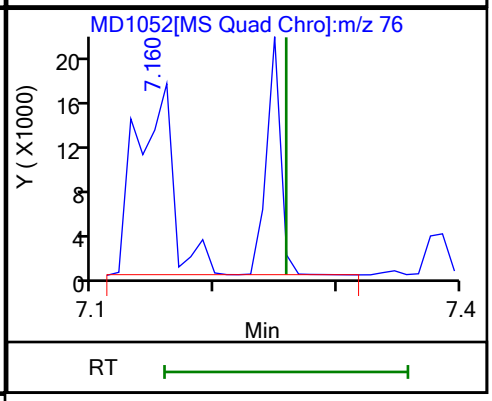
12 Acenaphthylene, CAS: 208-96-8

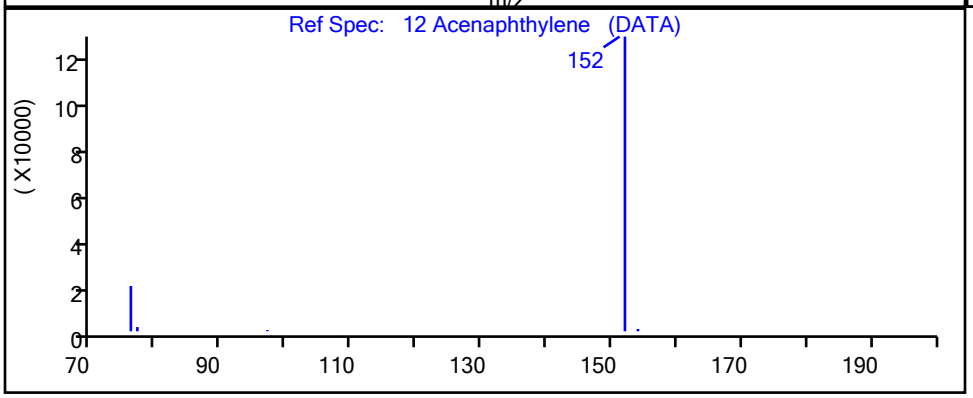
Processing Results











RT	Mass	Response	Amount
7.16	152.00	3312	0.004112
7.16	76.00	54510	

Reviewer: UJM0, 27-Apr-2023 10:05:36

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

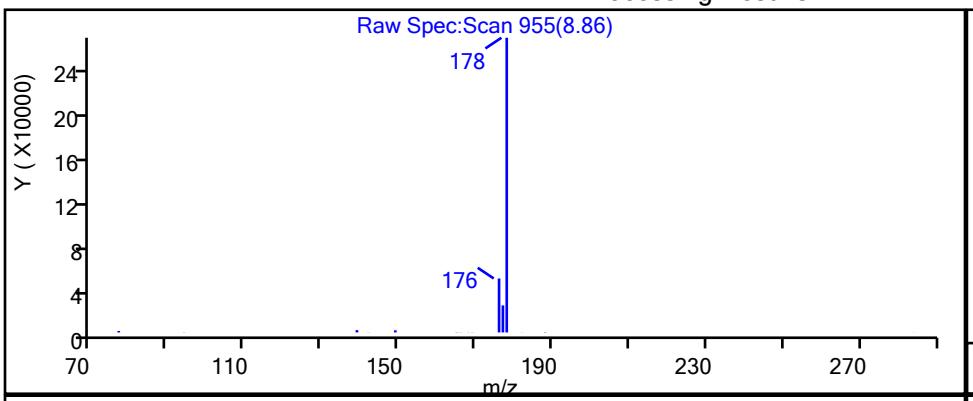
User Disabled Compound Report

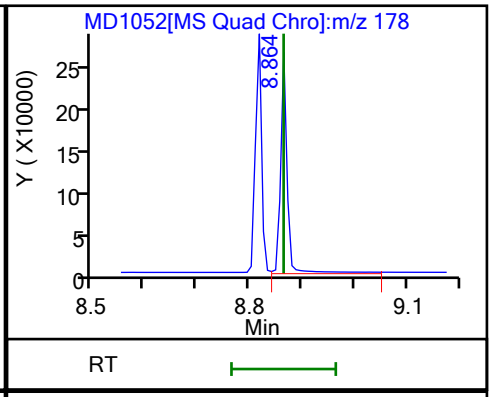
Eurofins Lancaster Laboratories Environment Testing, LLC

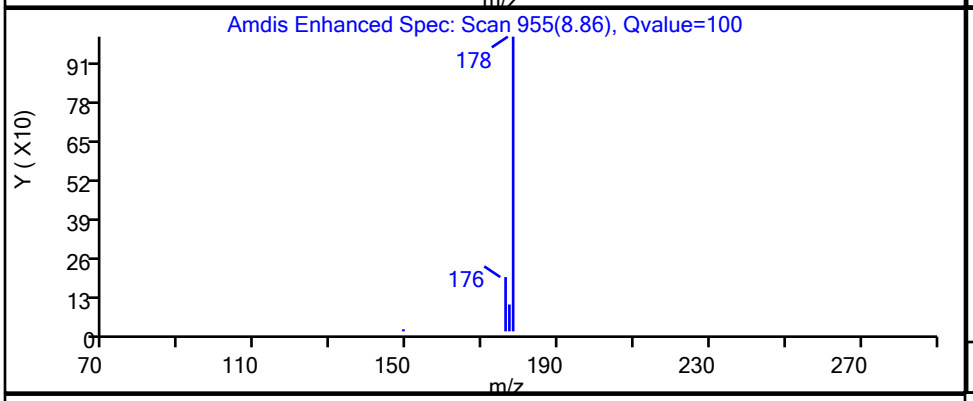
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

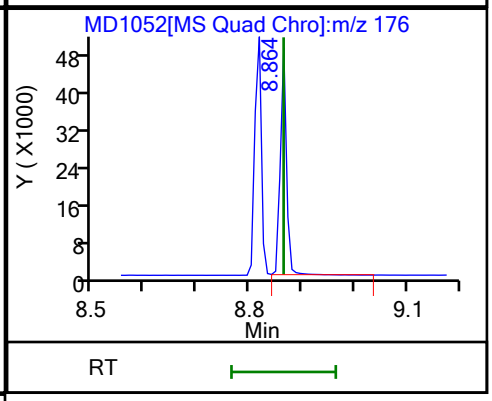
22 Anthracene, CAS: 120-12-7

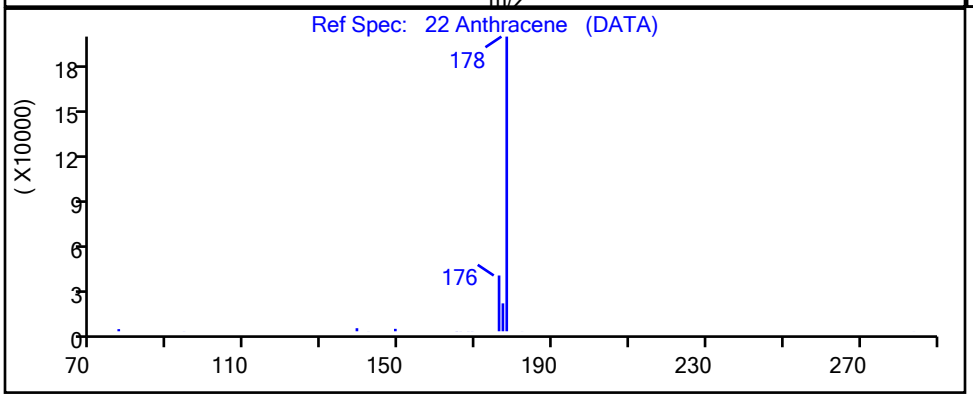
Processing Results











RT	Mass	Response	Amount
8.86	178.00	220540	0.237868
8.86	176.00	41055	

Reviewer: UJM0, 27-Apr-2023 10:05:49

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

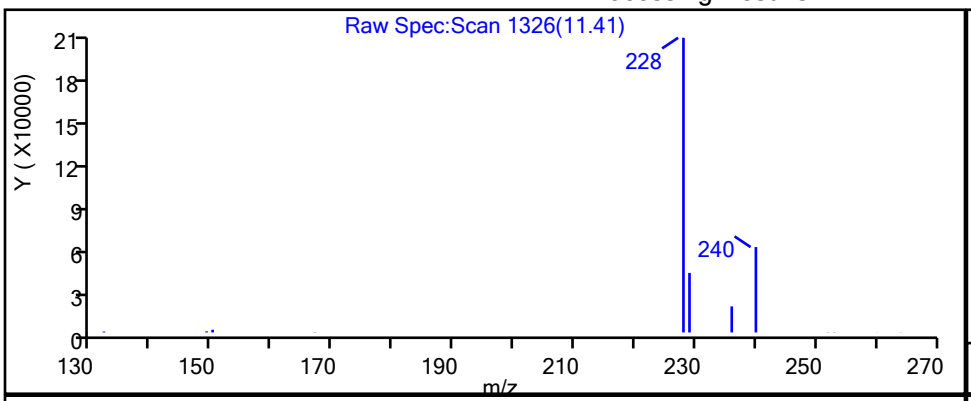
User Disabled Compound Report

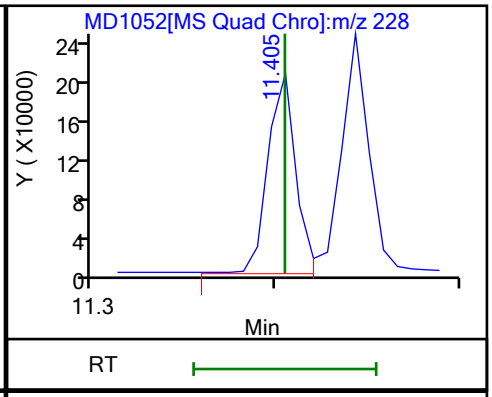
Eurofins Lancaster Laboratories Environment Testing, LLC

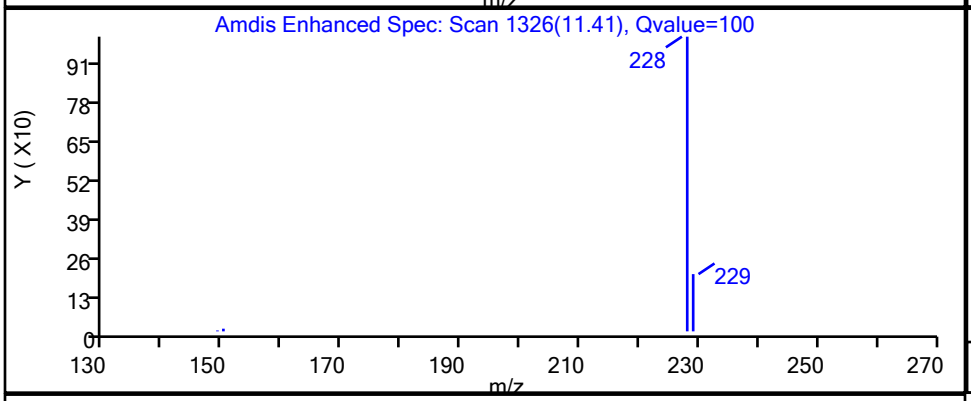
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

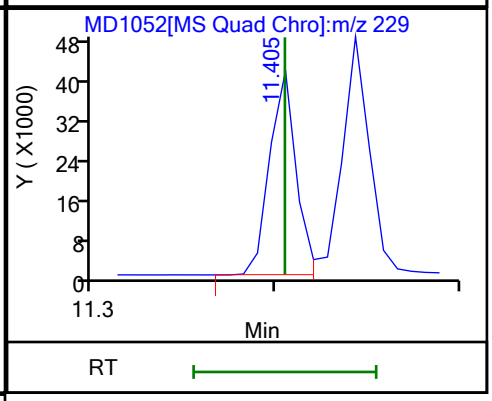
28 Benzo[a]anthracene, CAS: 56-55-3

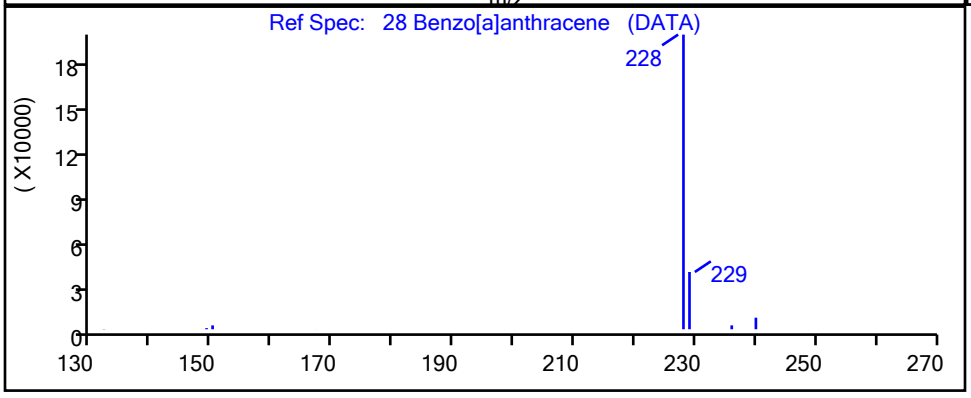
Processing Results











RT	Mass	Response	Amount
11.41	228.00	210802	0.210350
11.41	229.00	41217	

Reviewer: UJM0, 27-Apr-2023 10:06:00

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

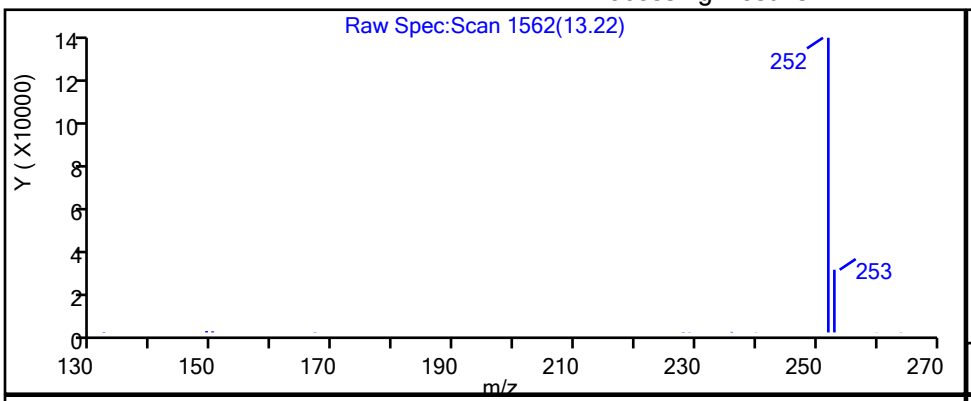
User Disabled Compound Report

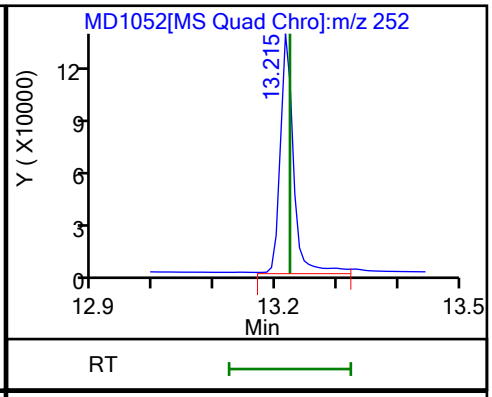
Eurofins Lancaster Laboratories Environment Testing, LLC

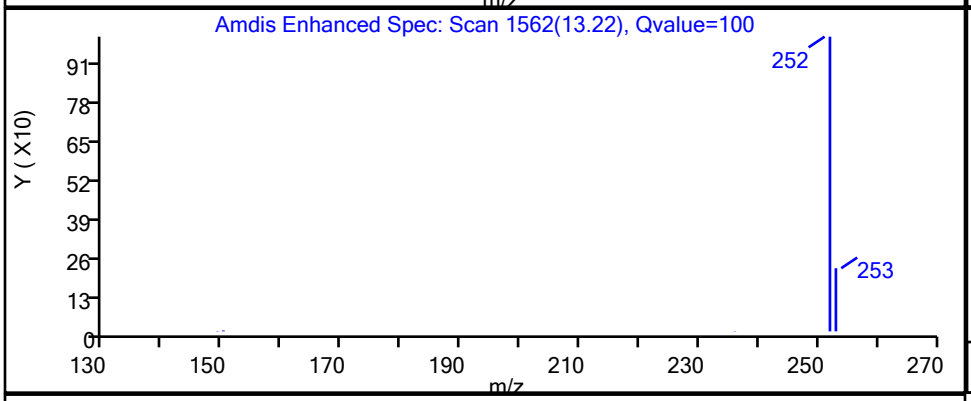
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

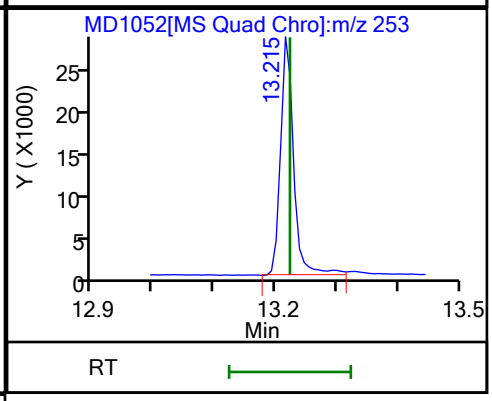
37 Benzo[a]pyrene, CAS: 50-32-8

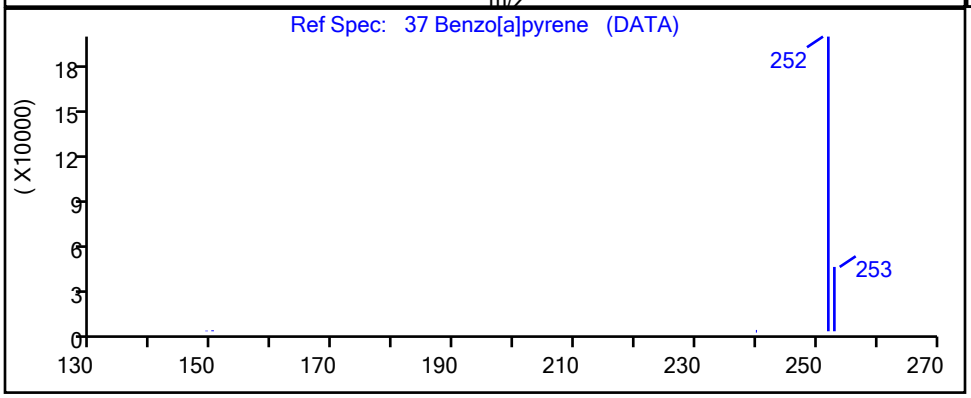
Processing Results











RT	Mass	Response	Amount
13.22	252.00	195847	0.220465
13.22	253.00	41998	

Reviewer: UJM0, 27-Apr-2023 10:06:14

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

Report Date: 27-Apr-2023 10:06:51 Chrom Revision: 2.3 20-Apr-2023 08:27:48

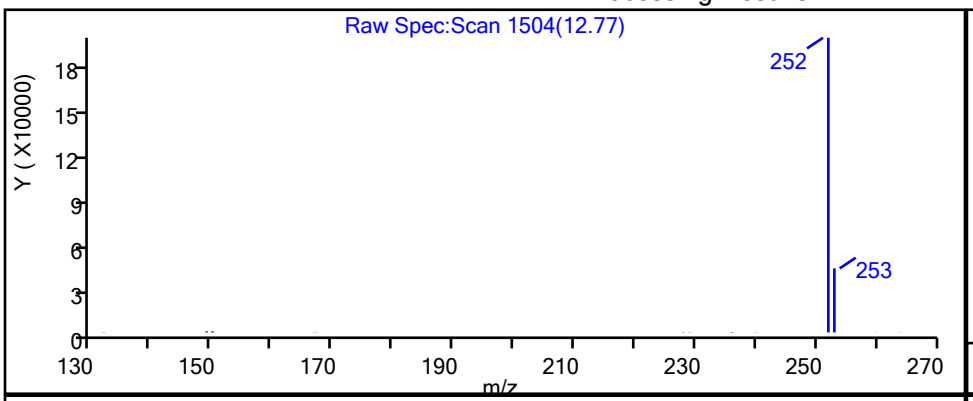
User Disabled Compound Report

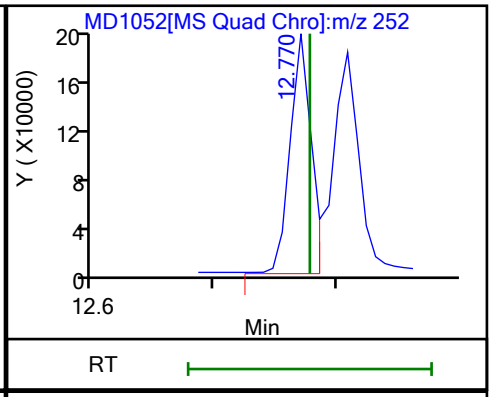
Eurofins Lancaster Laboratories Environment Testing, LLC

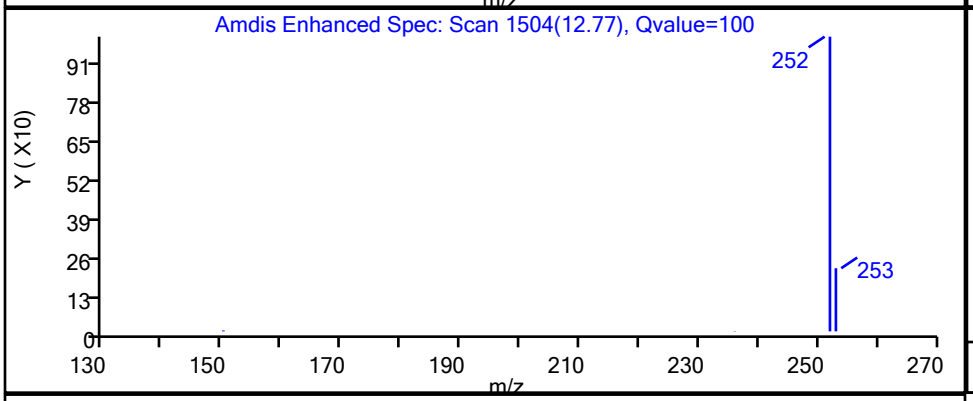
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

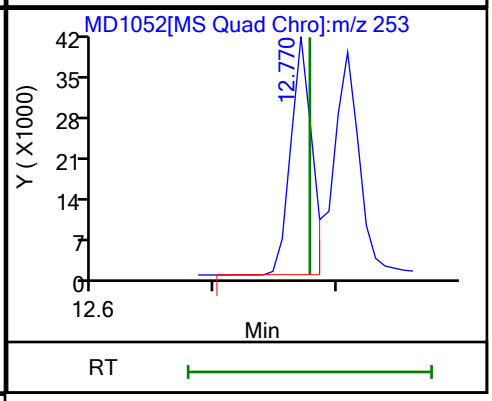
33 Benzo[b]fluoranthene, CAS: 205-99-2

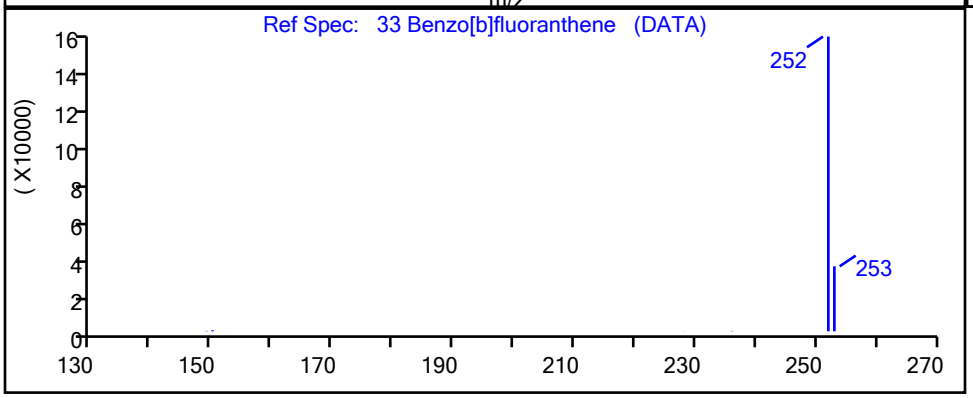
Processing Results











RT	Mass	Response	Amount
12.77	252.00	219813	0.223924
12.77	253.00	47655	

Reviewer: UJM0, 27-Apr-2023 10:06:12

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

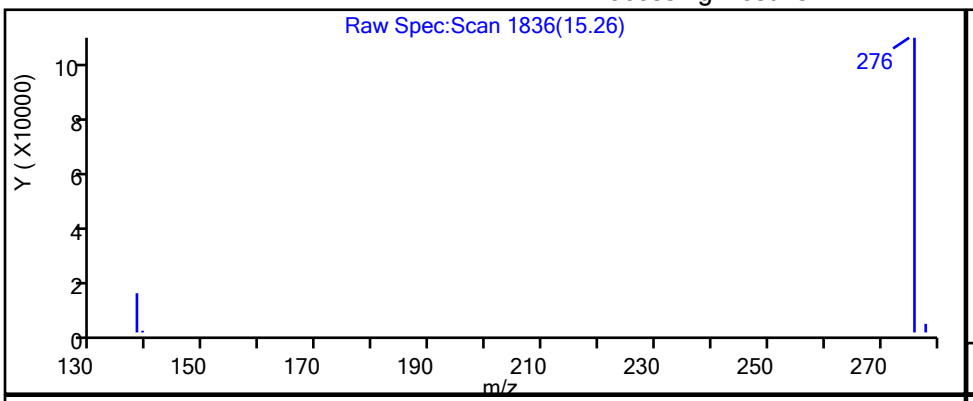
User Disabled Compound Report

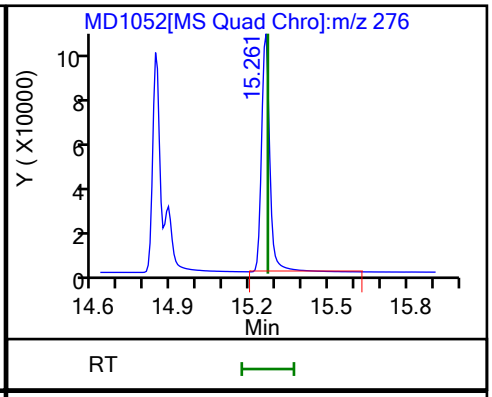
Eurofins Lancaster Laboratories Environment Testing, LLC

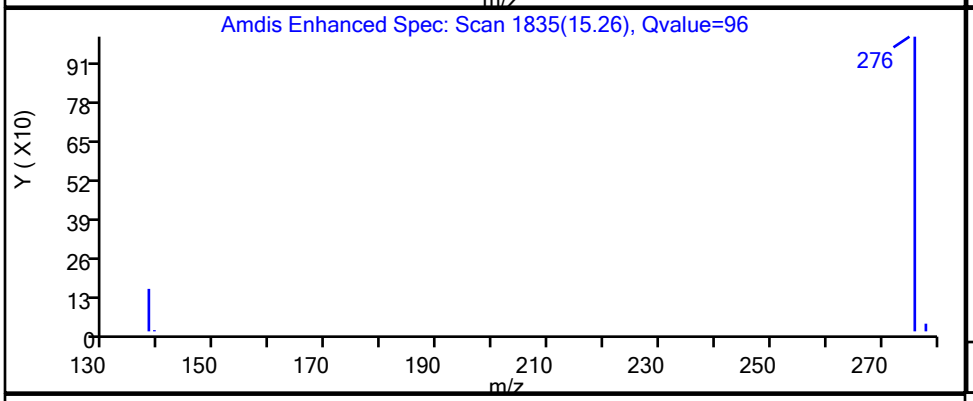
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

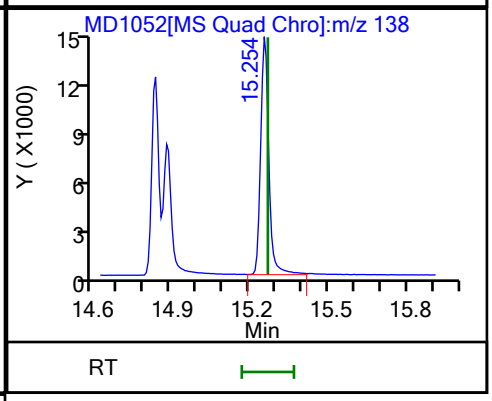
42 Benzo[g,h,i]perylene, CAS: 191-24-2

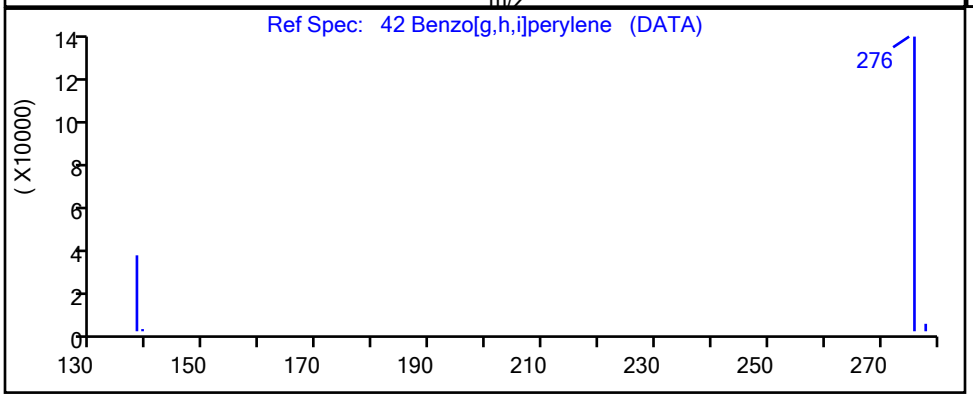
Processing Results











RT	Mass	Response	Amount
15.26	276.00	226144	0.217361
15.25	138.00	31391	

Reviewer: UJM0, 27-Apr-2023 10:06:19

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

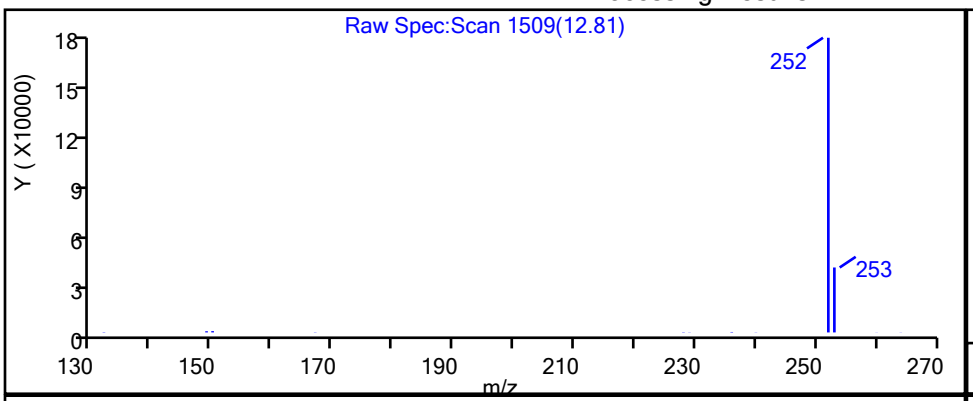
User Disabled Compound Report

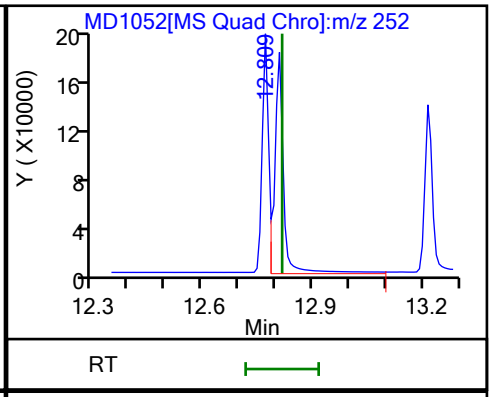
Eurofins Lancaster Laboratories Environment Testing, LLC

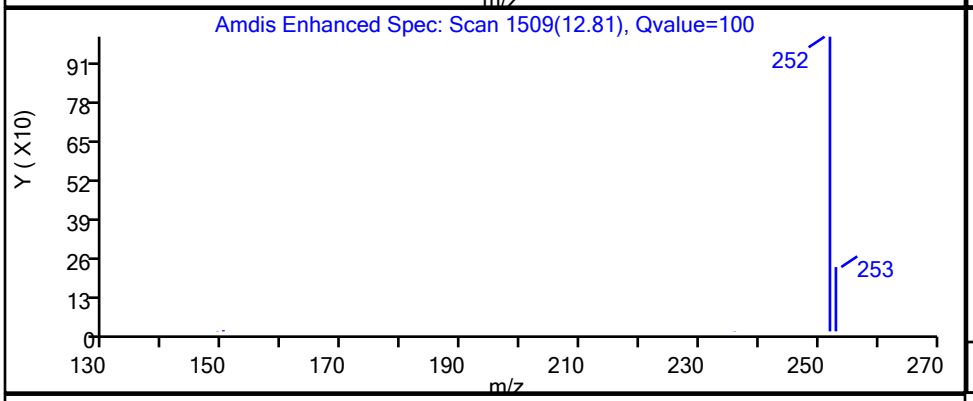
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

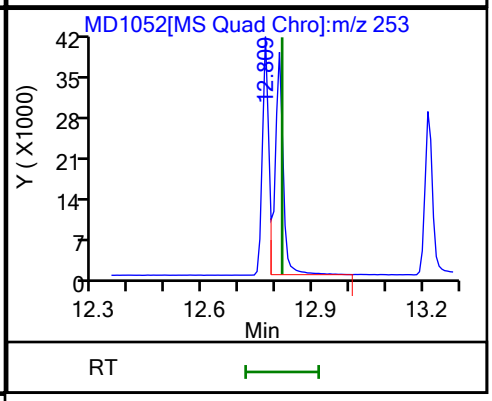
34 Benzo[k]fluoranthene, CAS: 207-08-9

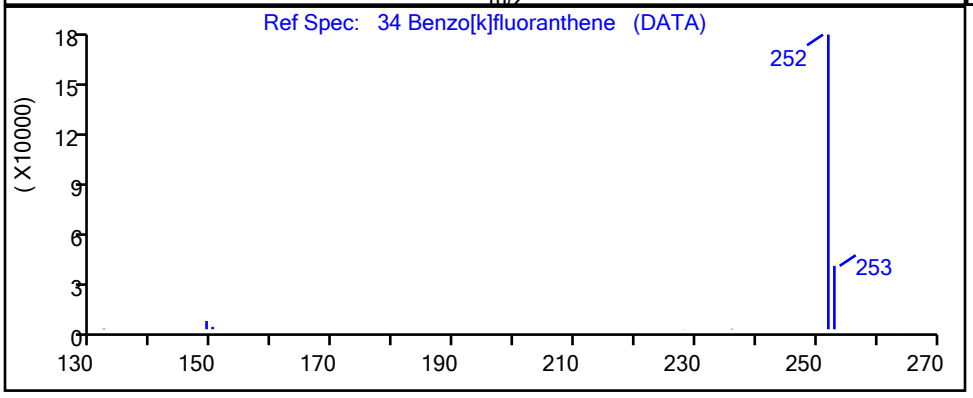
Processing Results











RT	Mass	Response	Amount
12.81	252.00	269089	0.257030
12.81	253.00	58476	

Reviewer: UJM0, 27-Apr-2023 10:06:13

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

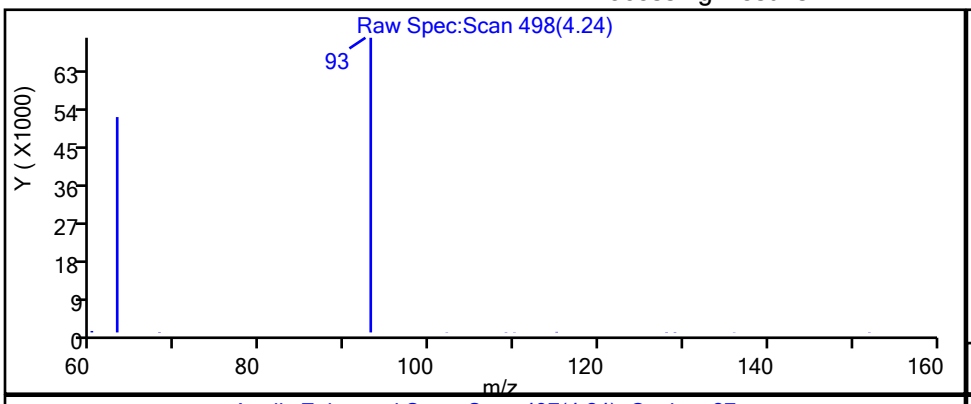
User Disabled Compound Report

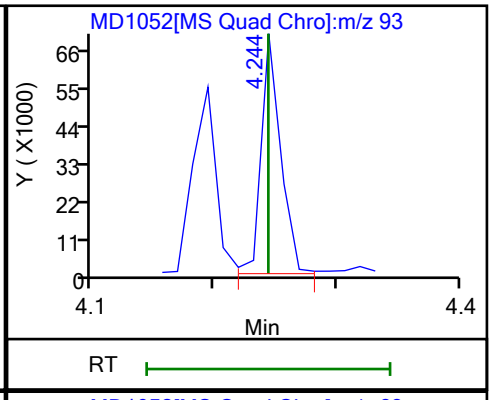
Eurofins Lancaster Laboratories Environment Testing, LLC

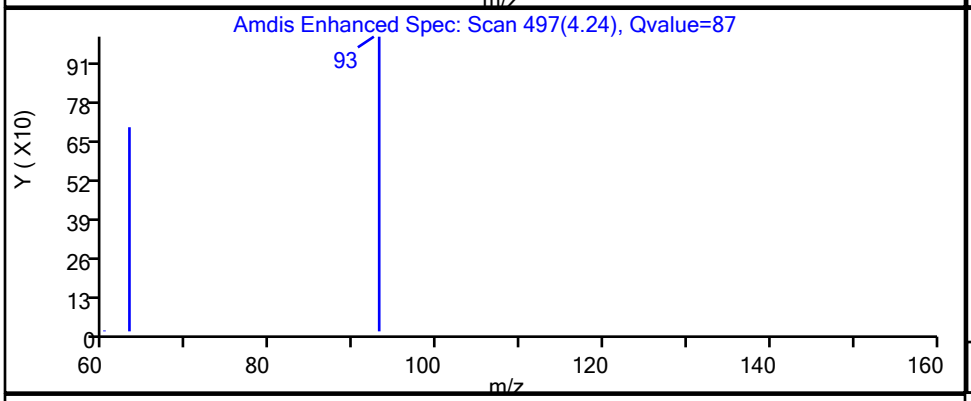
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

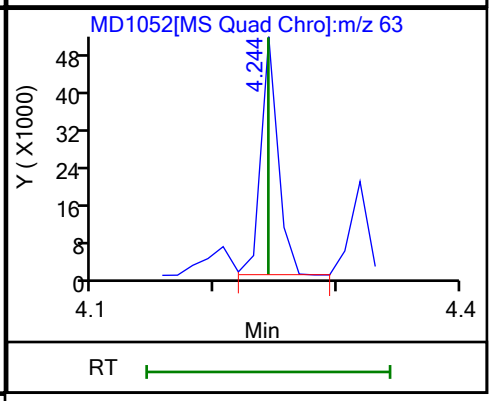
3 Bis(2-chloroethyl)ether, CAS: 111-44-4

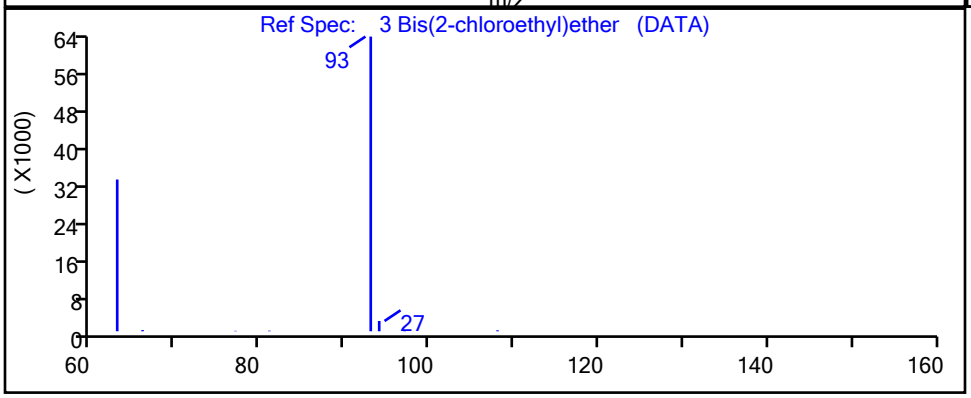
Processing Results











RT	Mass	Response	Amount
4.24	93.00	76152	0.247493
4.24	63.00	49595	

Reviewer: UJM0, 27-Apr-2023 10:05:28

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

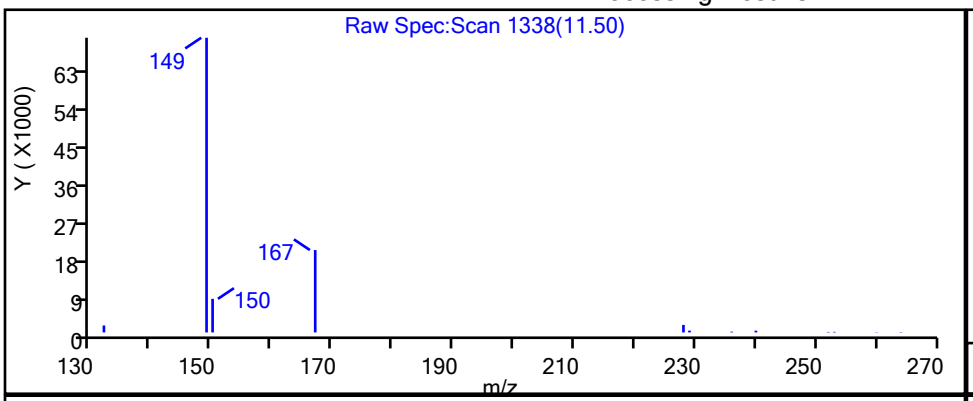
User Disabled Compound Report

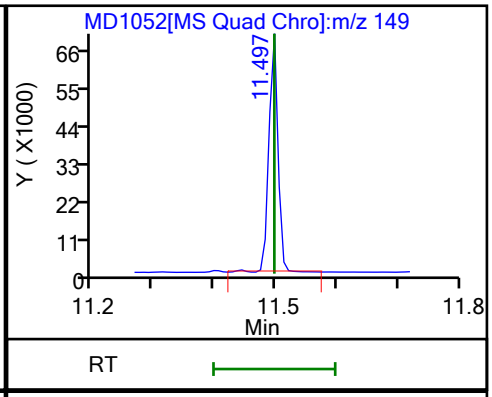
Eurofins Lancaster Laboratories Environment Testing, LLC

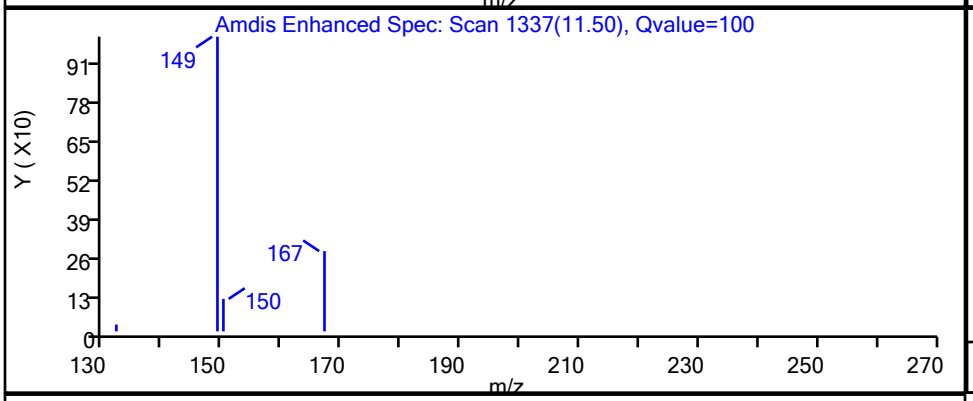
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

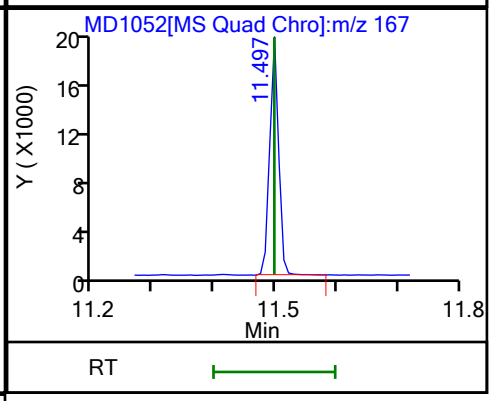
31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

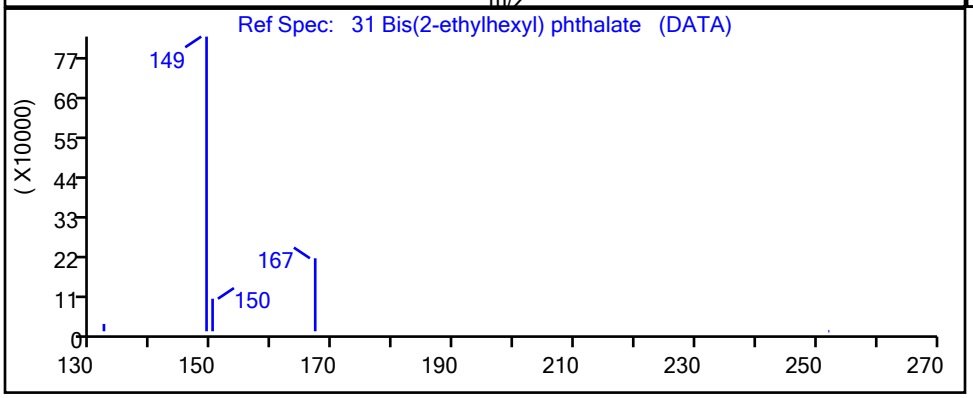
Processing Results











RT	Mass	Response	Amount
11.50	149.00	72504	0.275848
11.50	167.00	19803	

Reviewer: UJM0, 27-Apr-2023 10:06:04

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

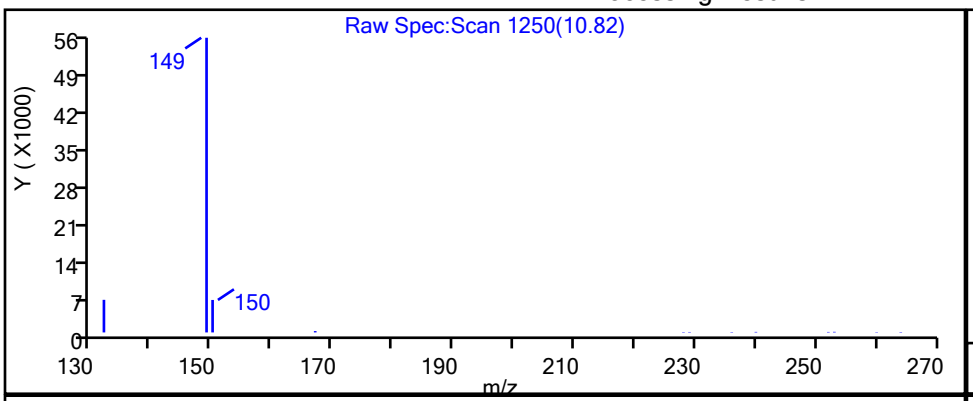
User Disabled Compound Report

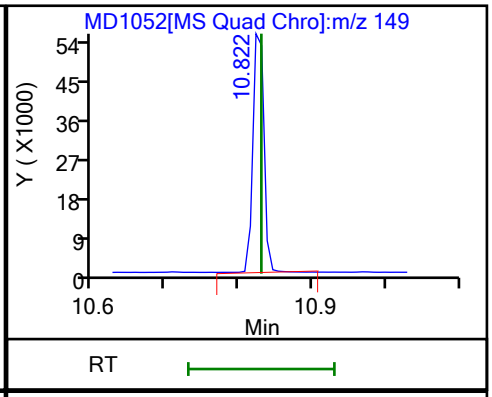
Eurofins Lancaster Laboratories Environment Testing, LLC

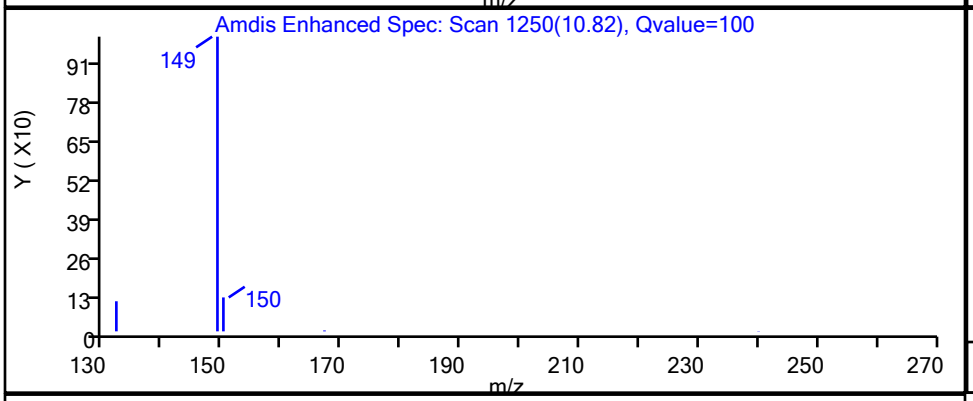
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

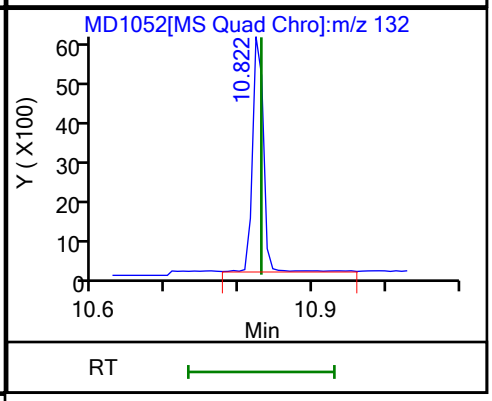
27 Butyl benzyl phthalate, CAS: 85-68-7

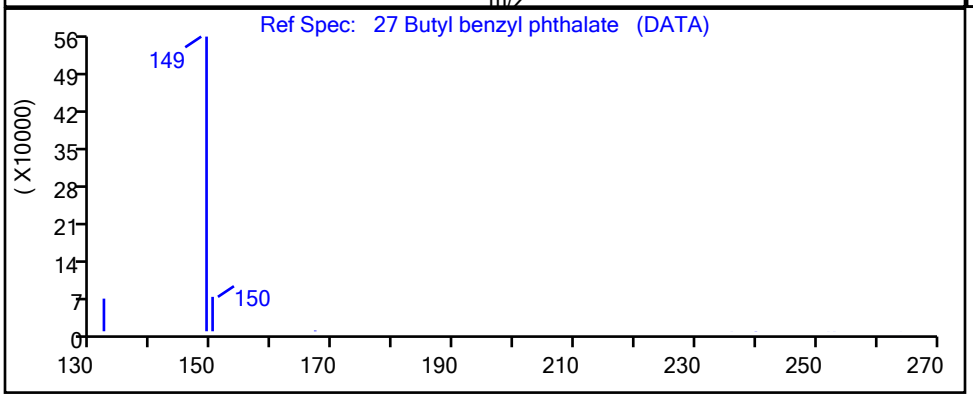
Processing Results











RT	Mass	Response	Amount
10.82	149.00	58458	0.204657
10.82	132.00	6162	

Reviewer: UJM0, 27-Apr-2023 10:05:58

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

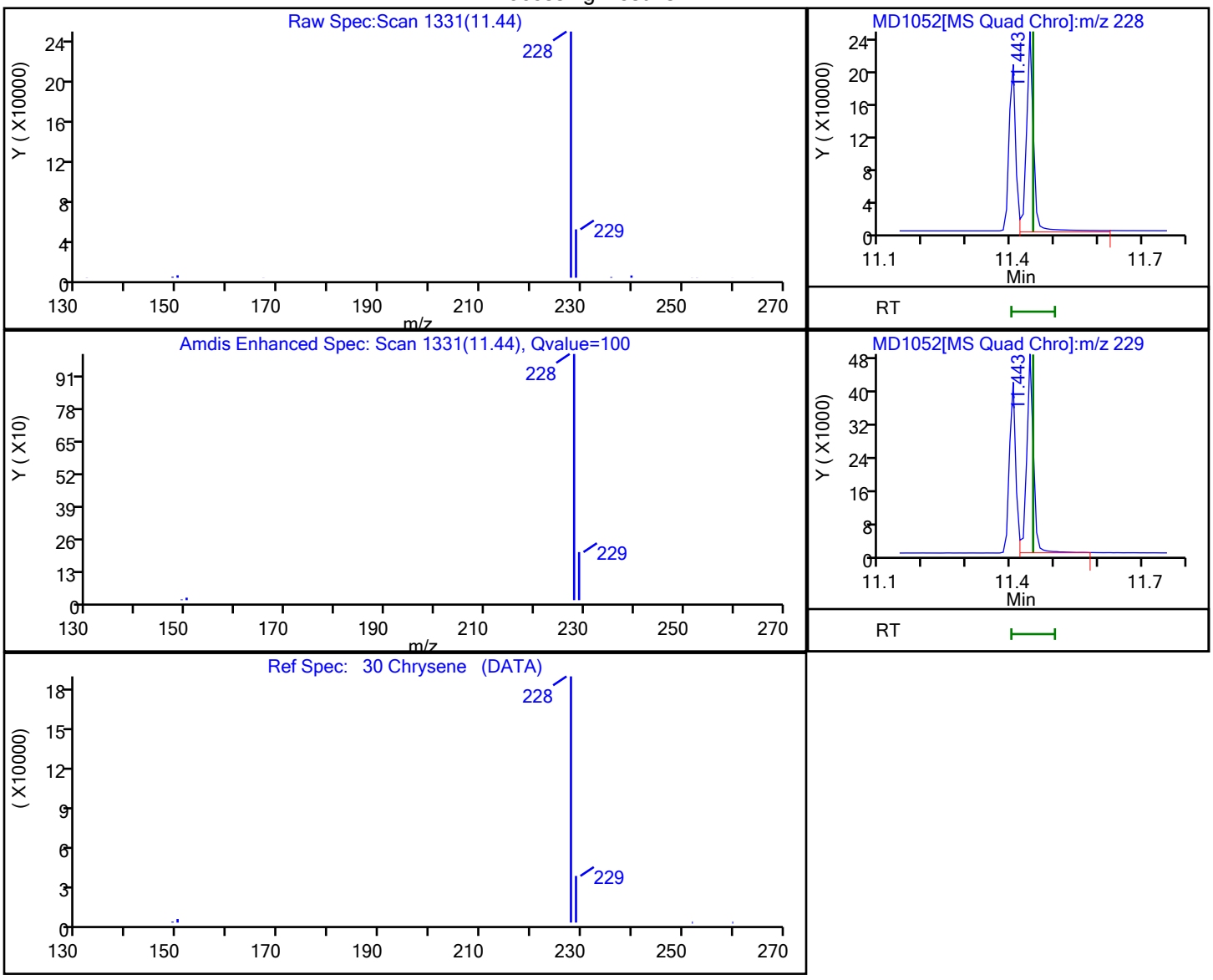
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	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
11.44	228.00	262954	0.215709
11.44	229.00	52077	

Reviewer: UJM0, 27-Apr-2023 10:06:02

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

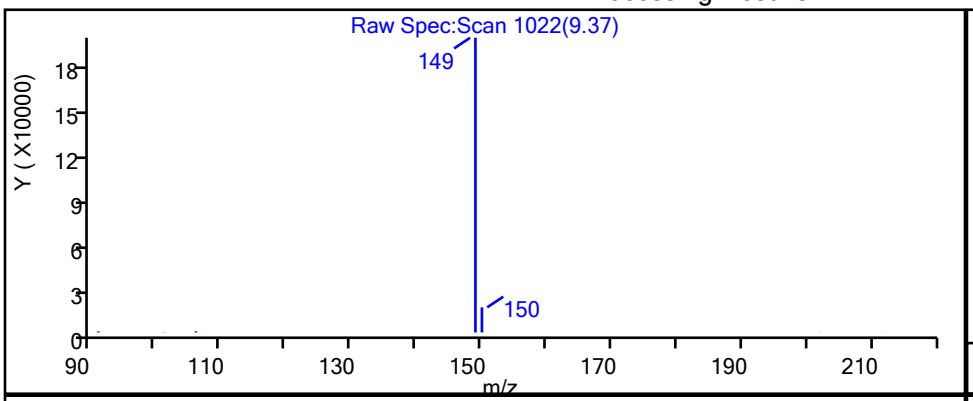
User Disabled Compound Report

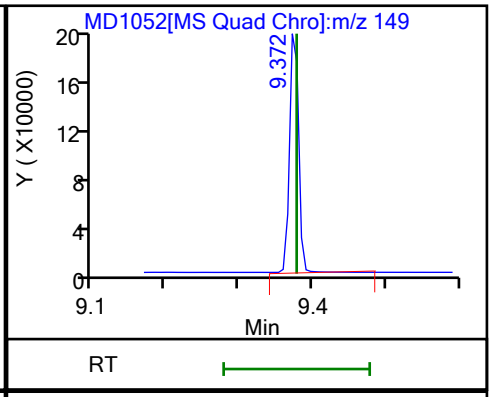
Eurofins Lancaster Laboratories Environment Testing, LLC

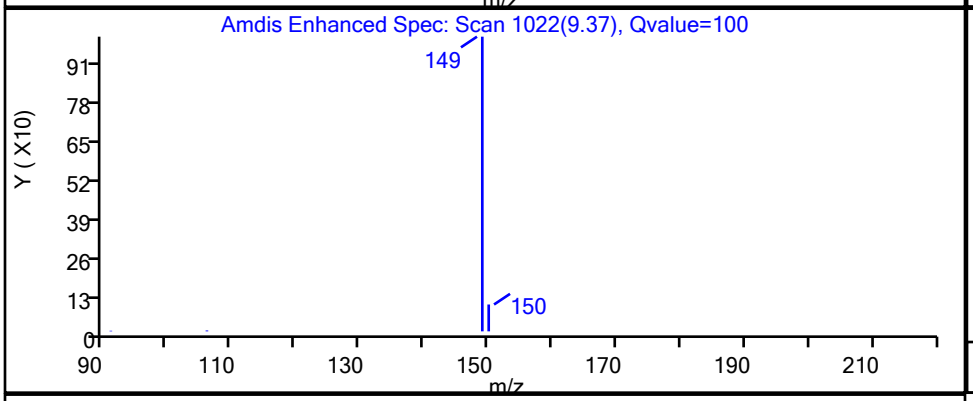
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

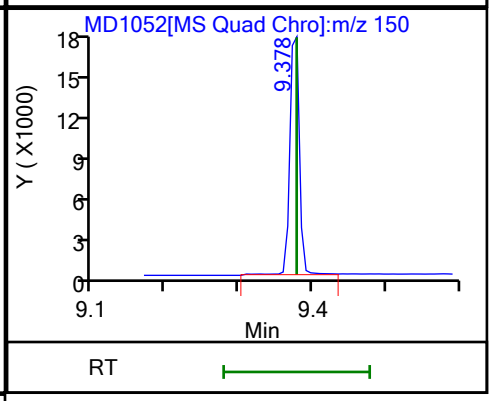
23 Di-n-butyl phthalate, CAS: 84-74-2

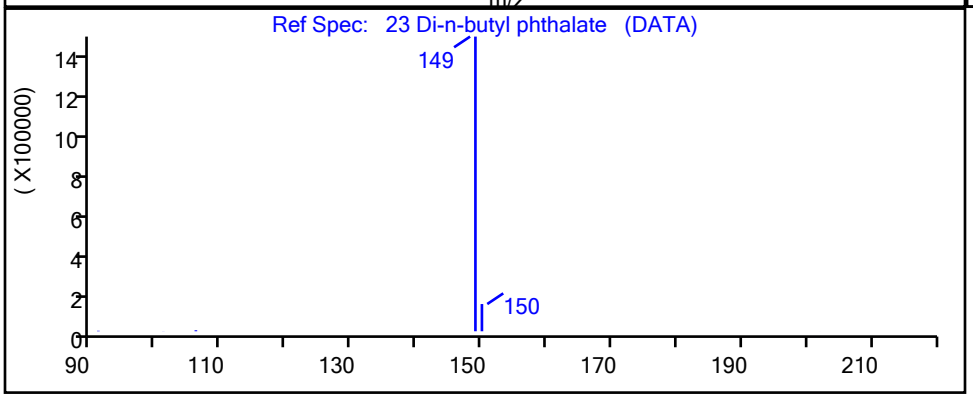
Processing Results











RT	Mass	Response	Amount
9.37	149.00	171754	0.234013
9.38	150.00	16043	

Reviewer: UJM0, 27-Apr-2023 10:05:50

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

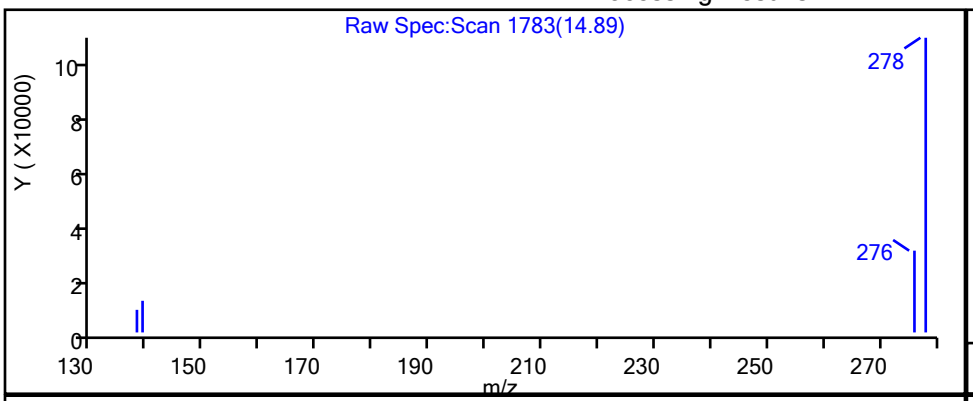
User Disabled Compound Report

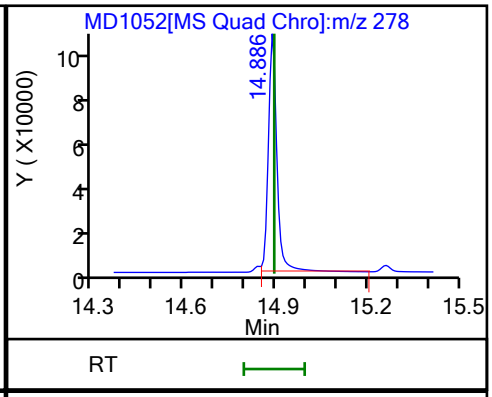
Eurofins Lancaster Laboratories Environment Testing, LLC

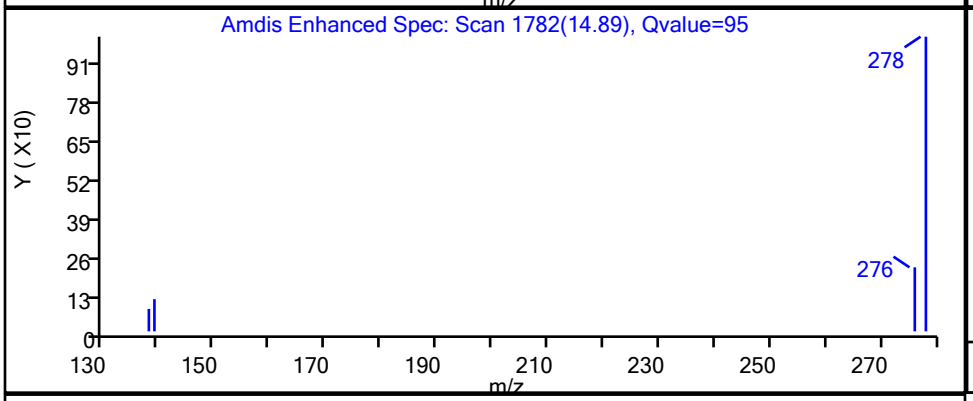
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

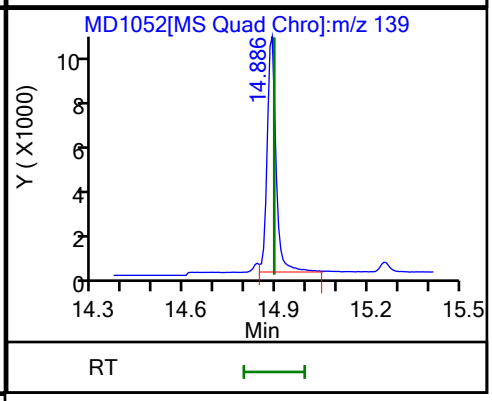
41 Dibenz(a,h)anthracene, CAS: 53-70-3

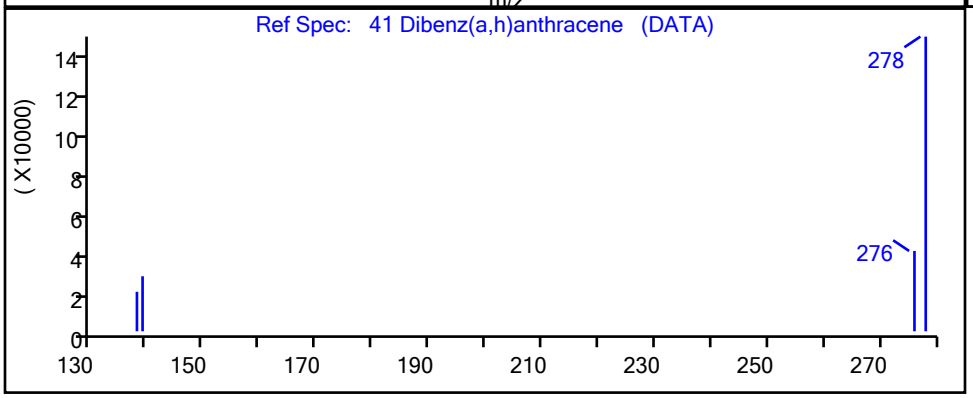
Processing Results











RT	Mass	Response	Amount
14.89	278.00	201238	0.213750
14.89	139.00	21785	

Reviewer: UJM0, 27-Apr-2023 10:06:18

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

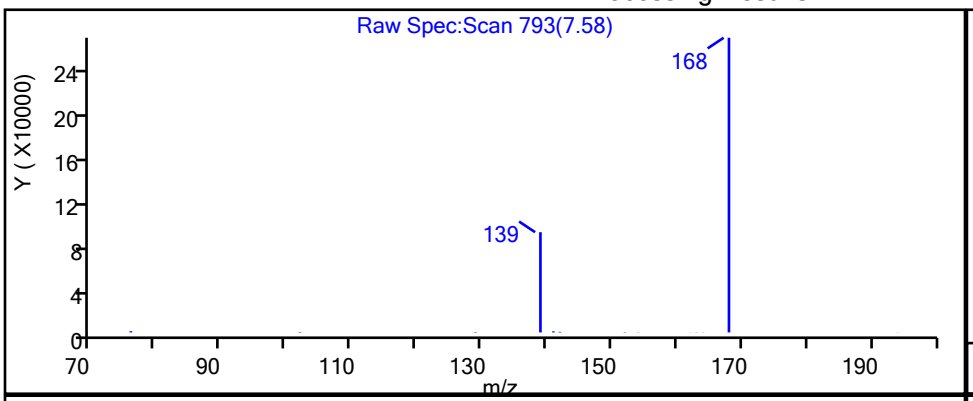
User Disabled Compound Report

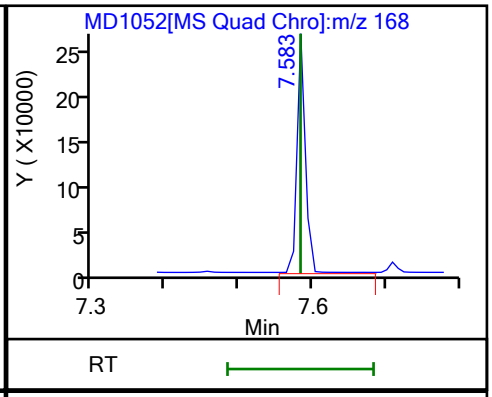
Eurofins Lancaster Laboratories Environment Testing, LLC

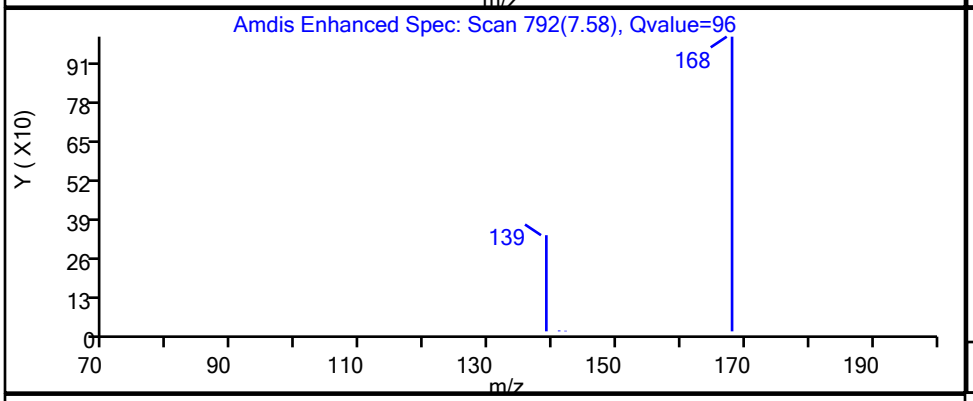
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

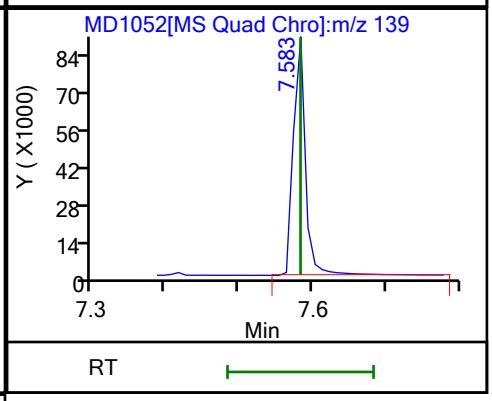
15 Dibenzofuran, CAS: 132-64-9

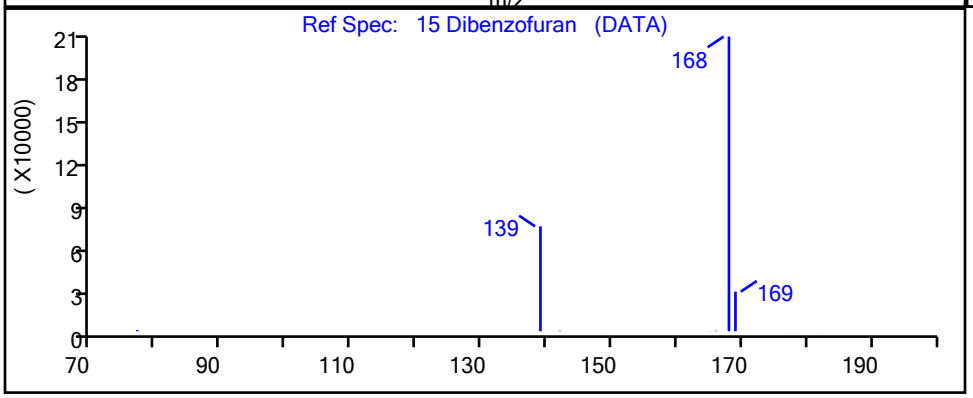
Processing Results











RT	Mass	Response	Amount
7.58	168.00	208577	0.229398
7.58	139.00	104639	

Reviewer: UJM0, 27-Apr-2023 10:05:40

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

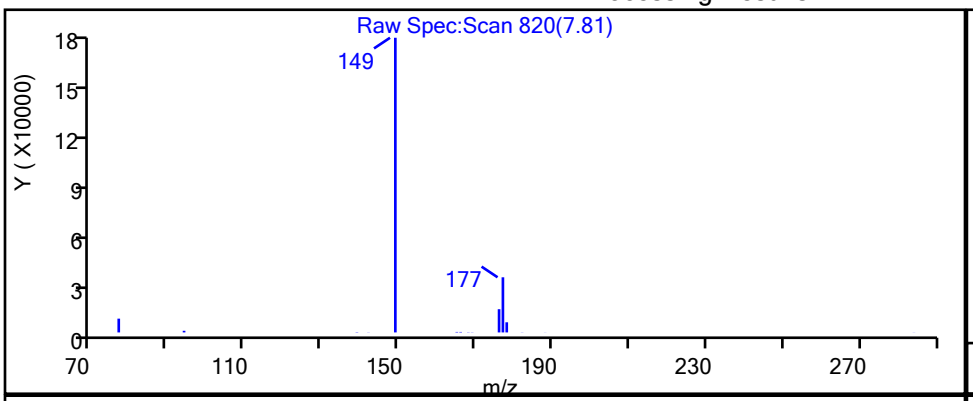
User Disabled Compound Report

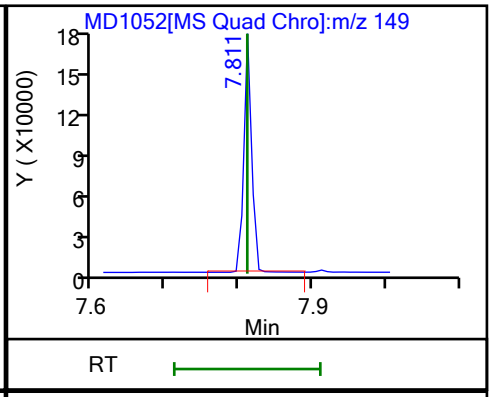
Eurofins Lancaster Laboratories Environment Testing, LLC

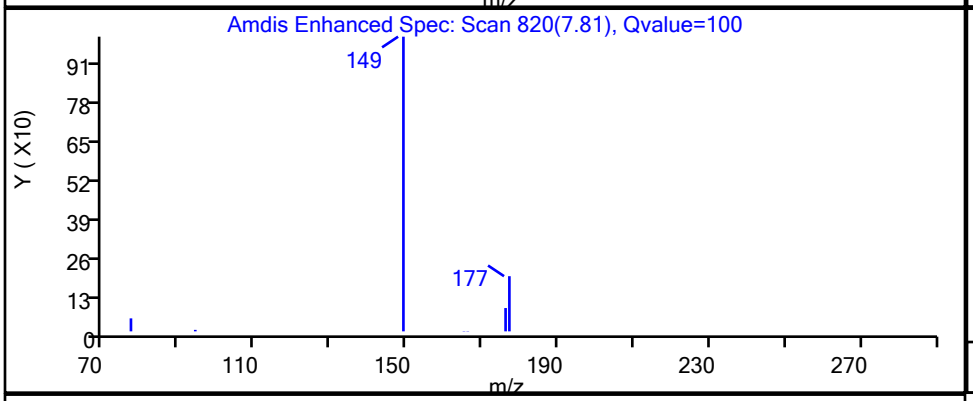
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

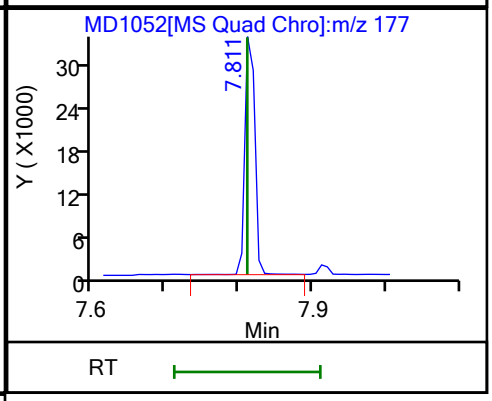
16 Diethyl phthalate, CAS: 84-66-2

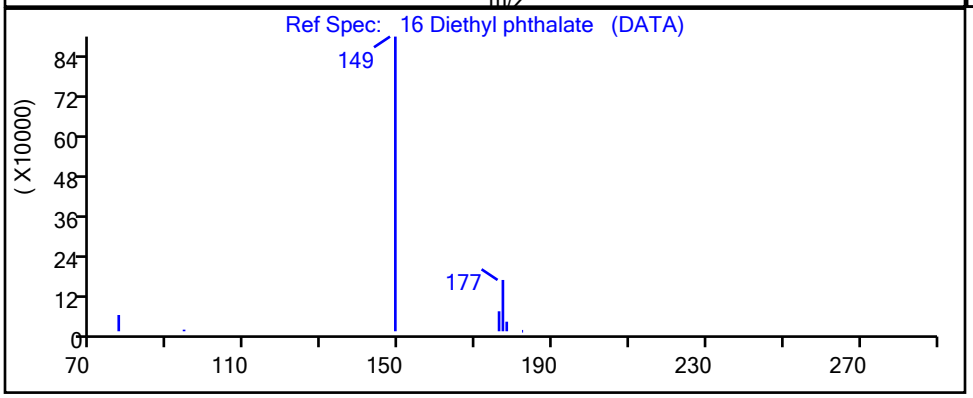
Processing Results











RT	Mass	Response	Amount
7.81	149.00	132889	0.256483
7.81	177.00	32097	

Reviewer: UJM0, 27-Apr-2023 10:05:41

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

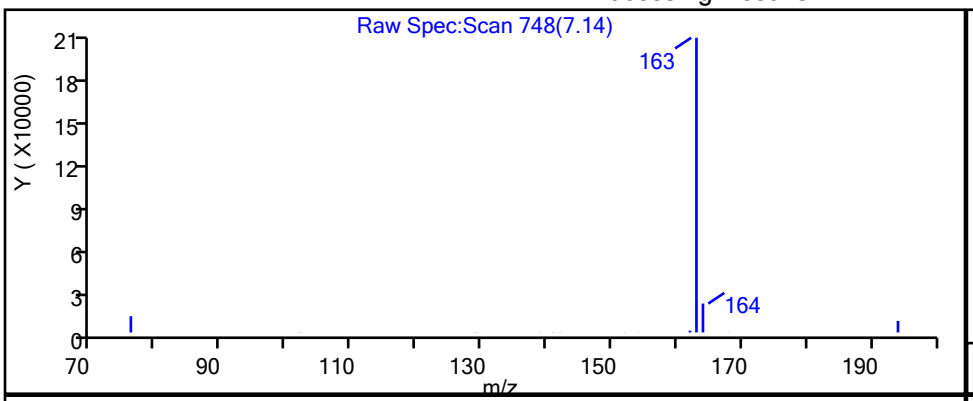
User Disabled Compound Report

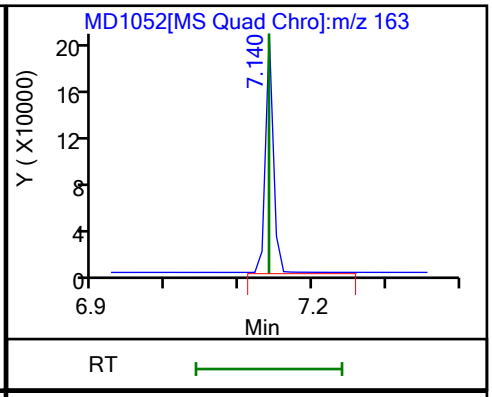
Eurofins Lancaster Laboratories Environment Testing, LLC

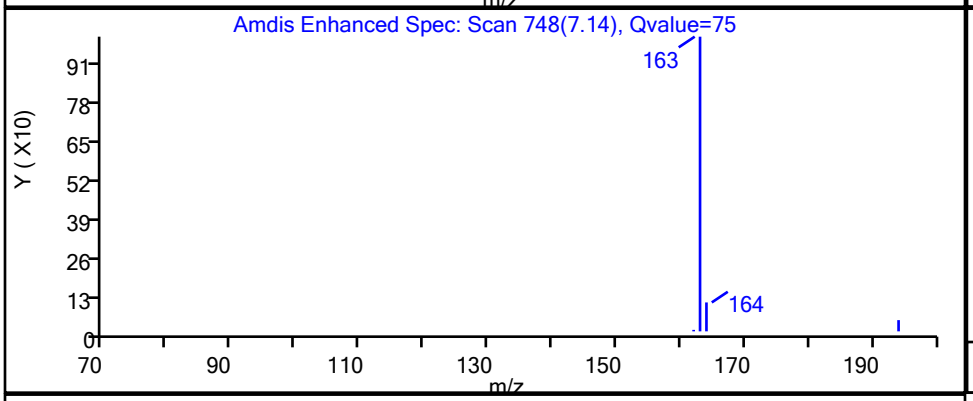
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

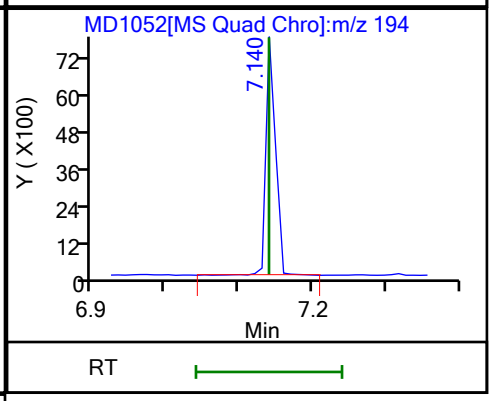
11 Dimethyl phthalate, CAS: 131-11-3

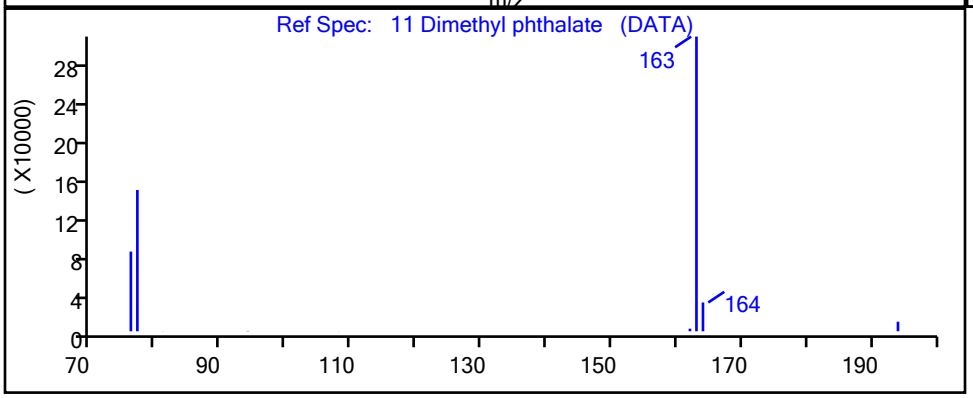
Processing Results











RT	Mass	Response	Amount
7.14	163.00	148968	0.257852
7.14	194.00	7093	

Reviewer: UJM0, 27-Apr-2023 10:05:35

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

Report Date: 27-Apr-2023 10:06:50 Chrom Revision: 2.3 20-Apr-2023 08:27:48

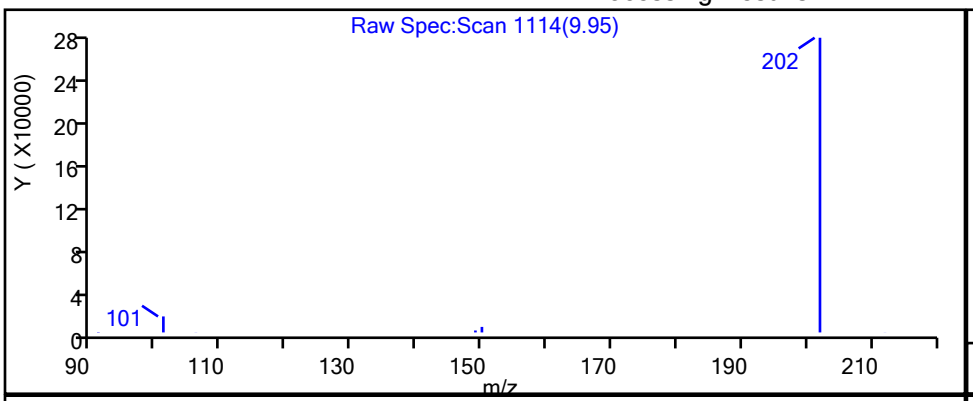
User Disabled Compound Report

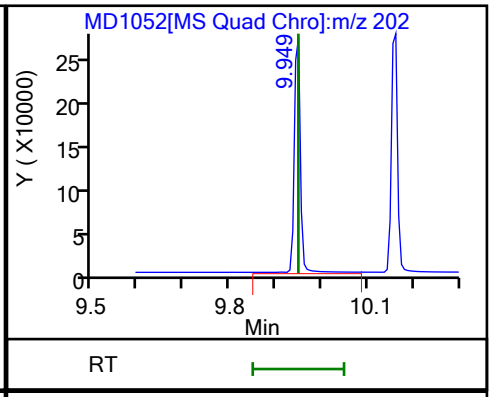
Eurofins Lancaster Laboratories Environment Testing, LLC

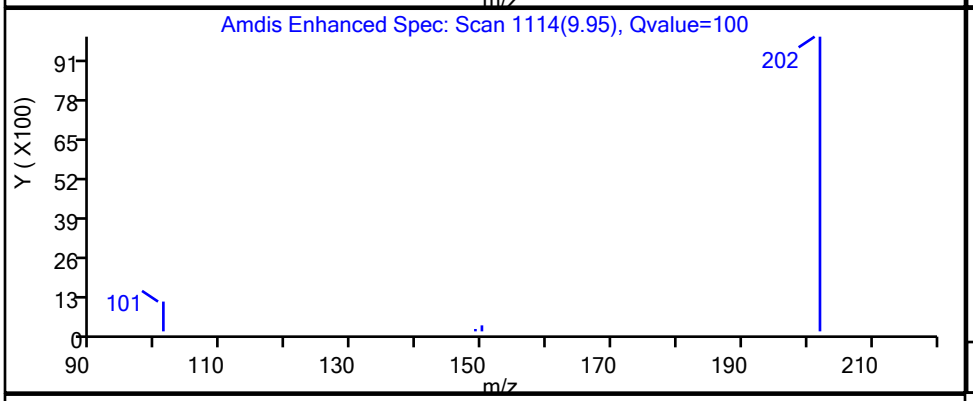
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

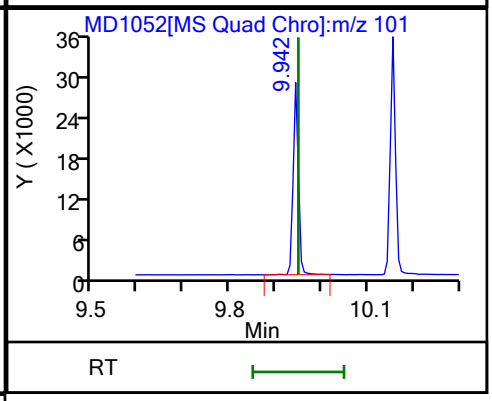
25 Fluoranthene, CAS: 206-44-0

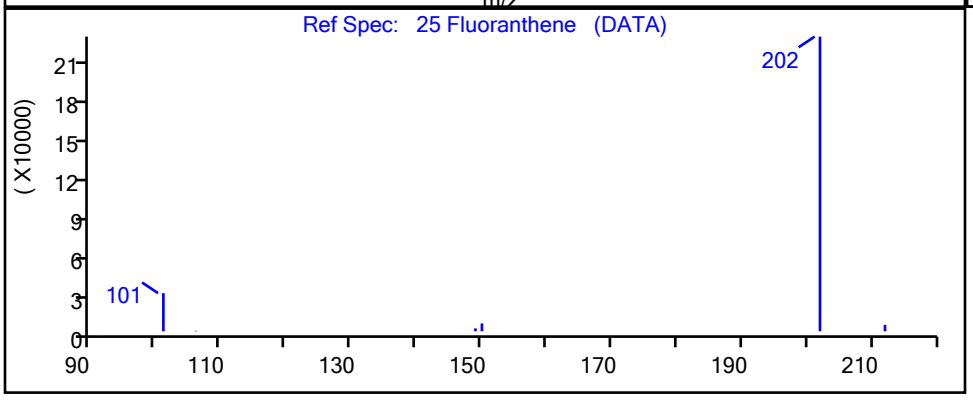
Processing Results











RT	Mass	Response	Amount
9.95	202.00	251261	0.209788
9.94	101.00	23802	

Reviewer: UJM0, 27-Apr-2023 10:05:52

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

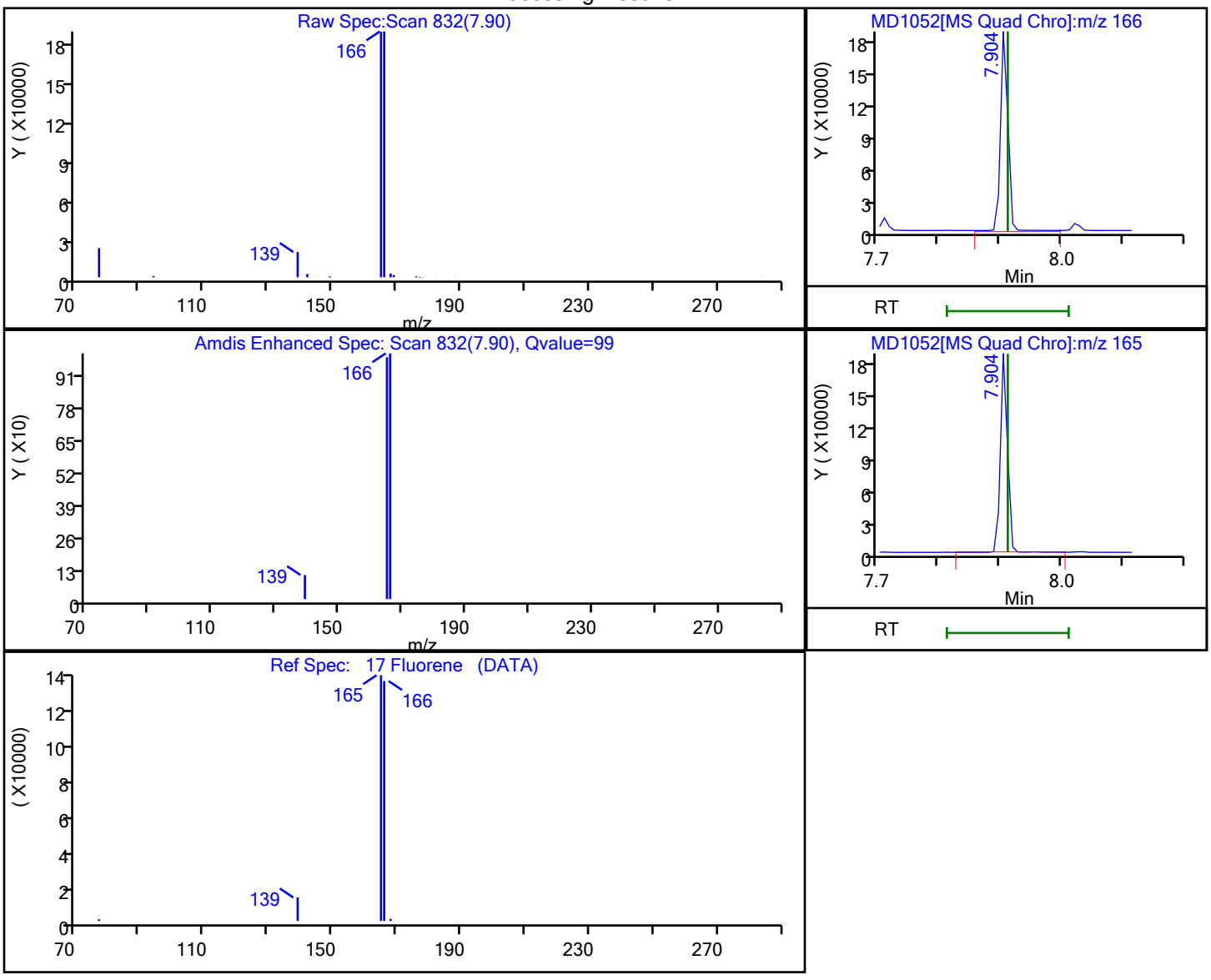
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	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
7.90	166.00	155127	0.232699
7.90	165.00	150658	

Reviewer: UJM0, 27-Apr-2023 10:05:42

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

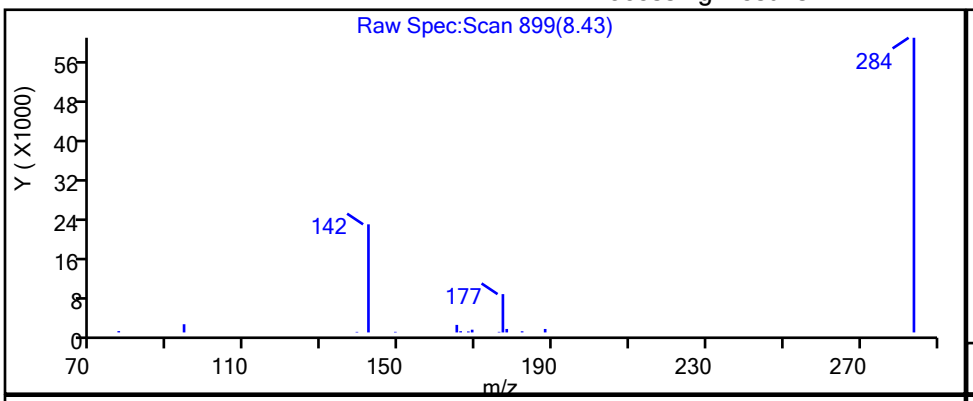
User Disabled Compound Report

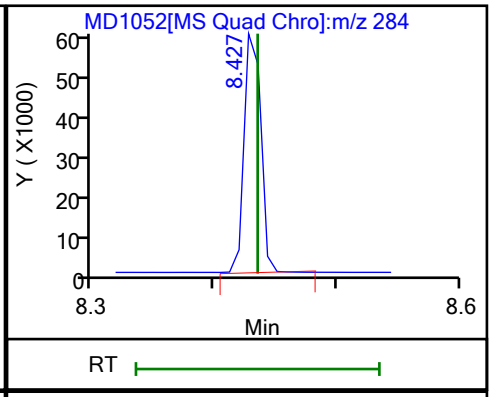
Eurofins Lancaster Laboratories Environment Testing, LLC

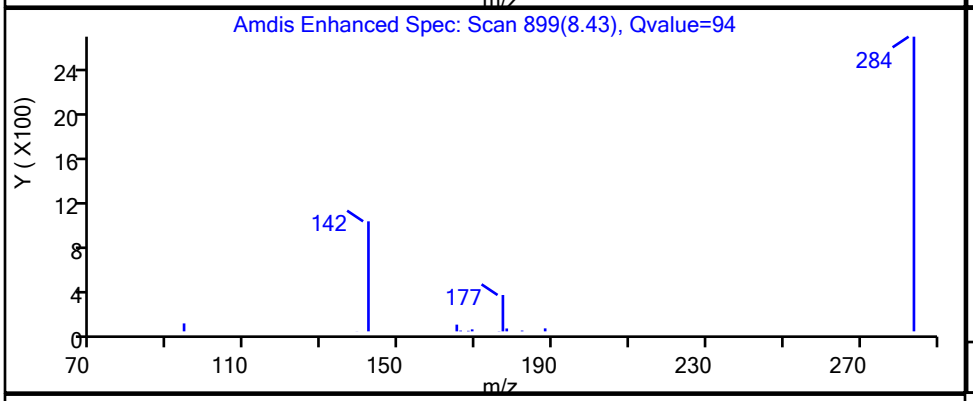
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

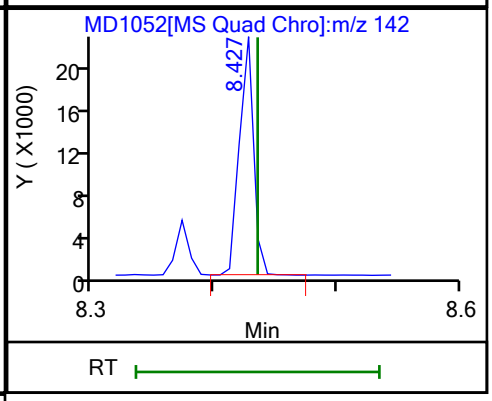
19 Hexachlorobenzene, CAS: 118-74-1

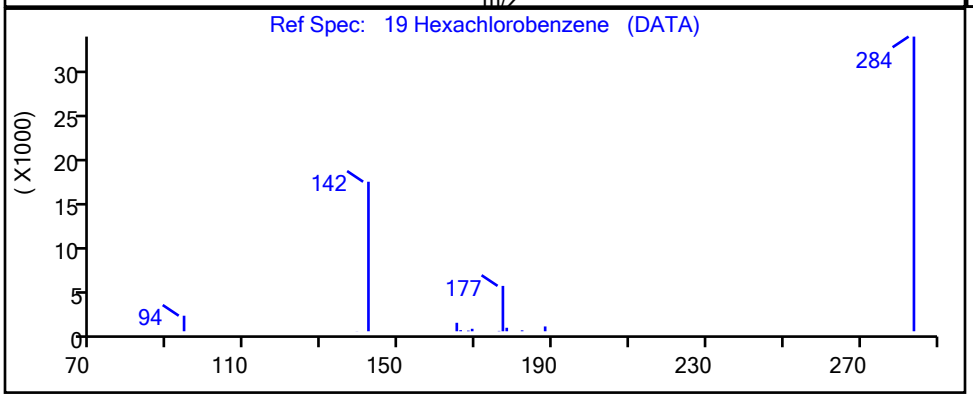
Processing Results











RT	Mass	Response	Amount
8.43	284.00	57512	0.211576
8.43	142.00	17863	

Reviewer: UJM0, 27-Apr-2023 10:05:46

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

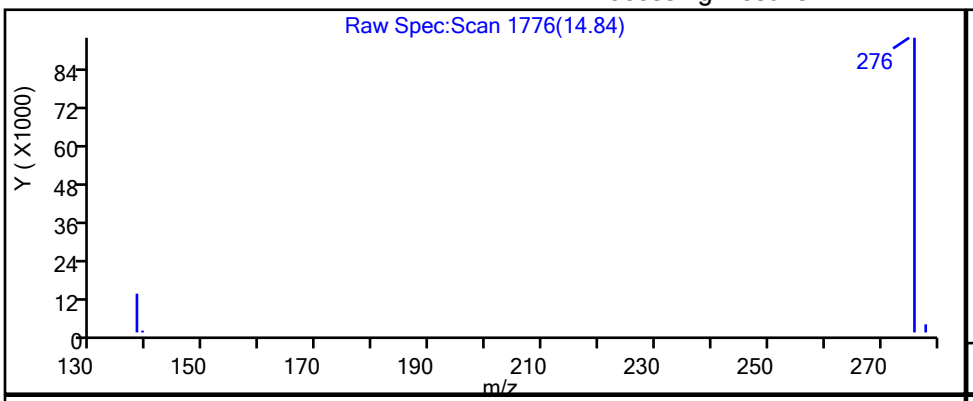
User Disabled Compound Report

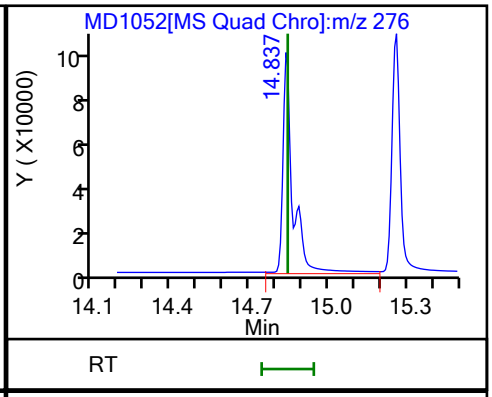
Eurofins Lancaster Laboratories Environment Testing, LLC

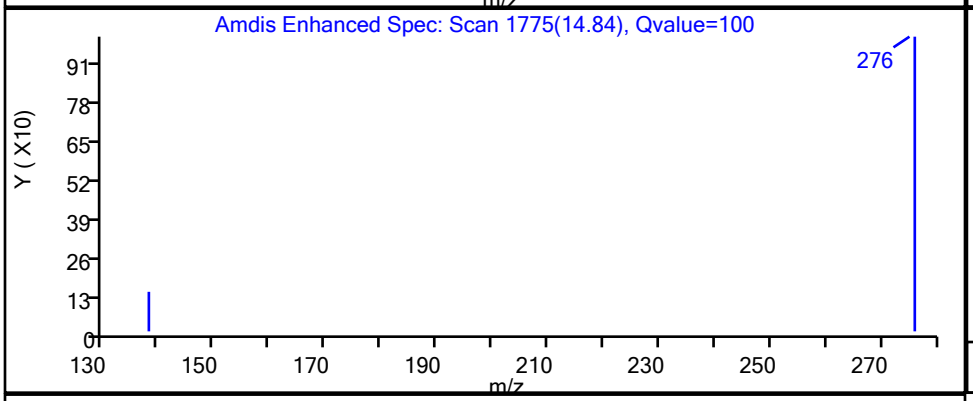
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

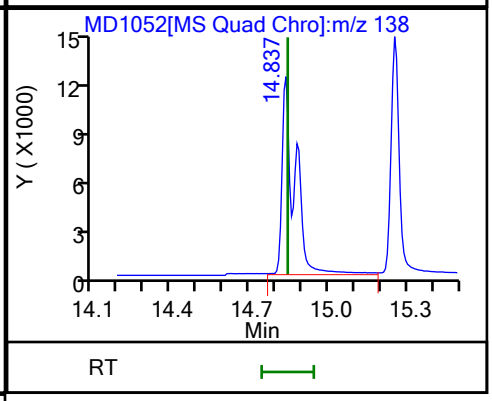
40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

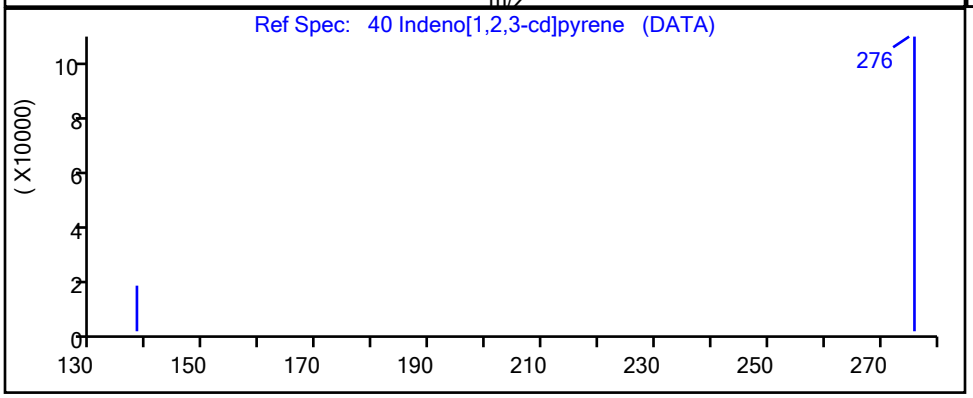
Processing Results











RT	Mass	Response	Amount
14.84	276.00	240816	0.294852
14.84	138.00	43102	

Reviewer: UJM0, 27-Apr-2023 10:06:16

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

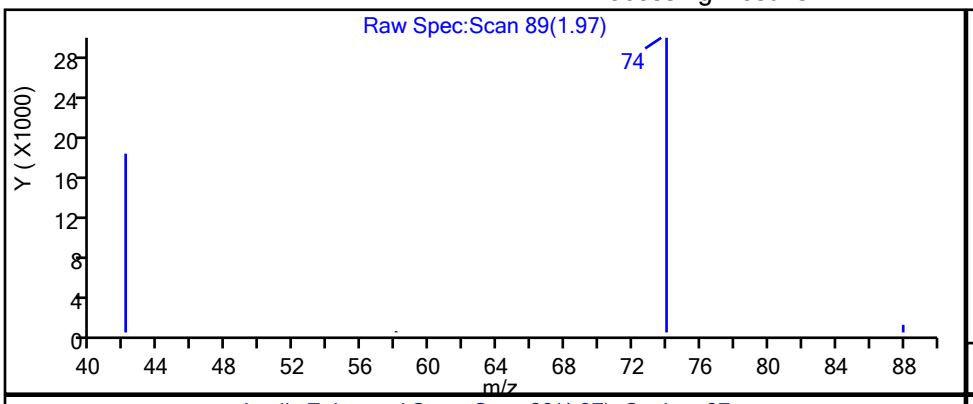
User Disabled Compound Report

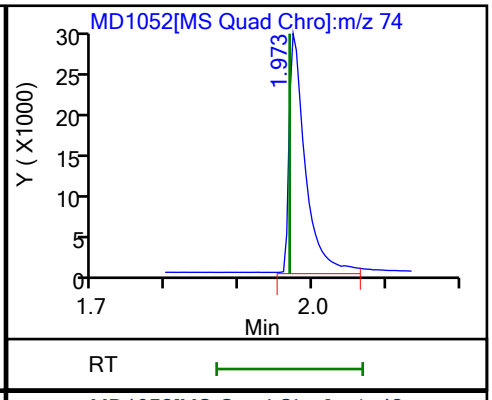
Eurofins Lancaster Laboratories Environment Testing, LLC

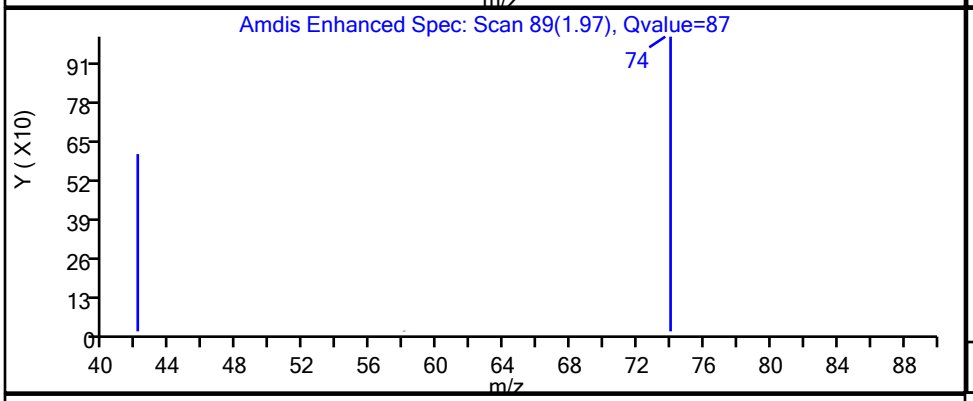
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

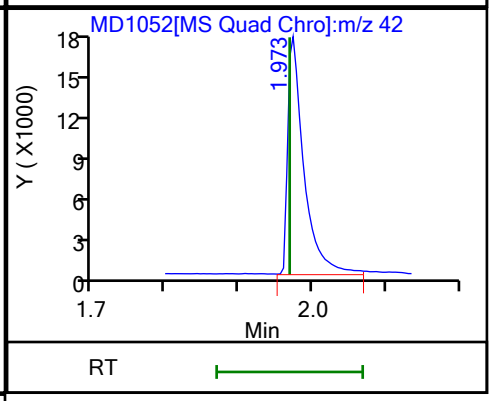
2 N-Nitrosodimethylamine, CAS: 62-75-9

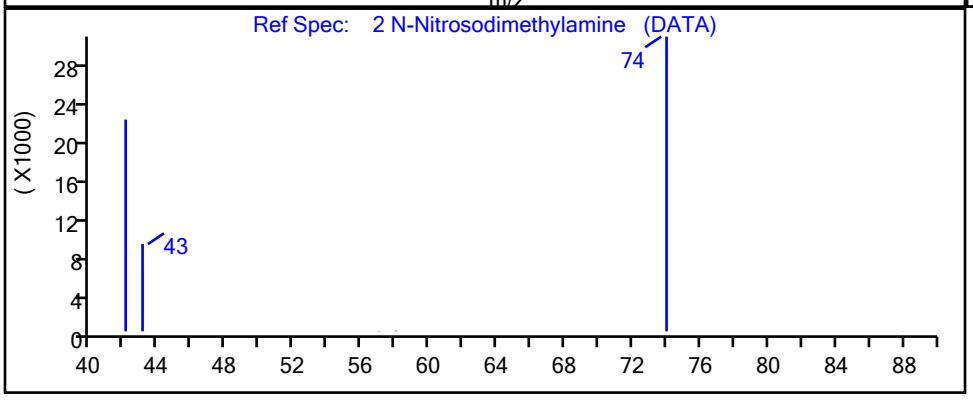
Processing Results











RT	Mass	Response	Amount
1.97	74.00	44252	0.255554
1.97	42.00	27330	

Reviewer: UJM0, 27-Apr-2023 10:05:26

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

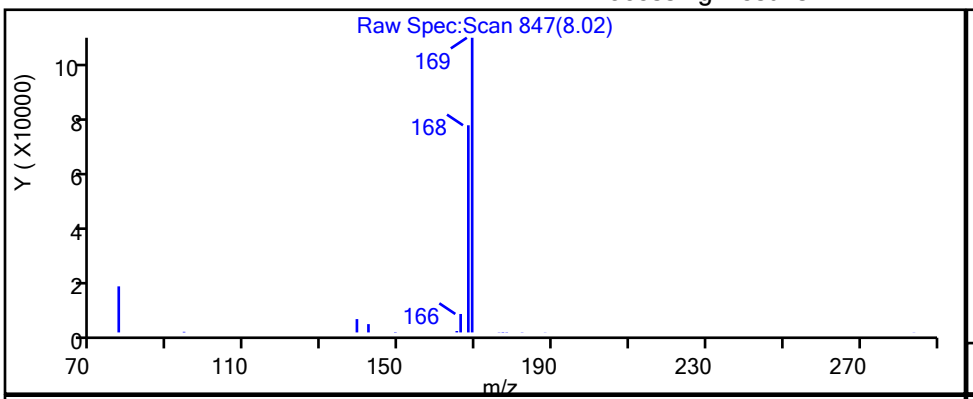
User Disabled Compound Report

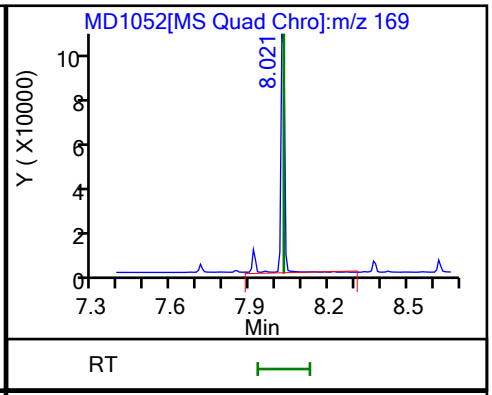
Eurofins Lancaster Laboratories Environment Testing, LLC

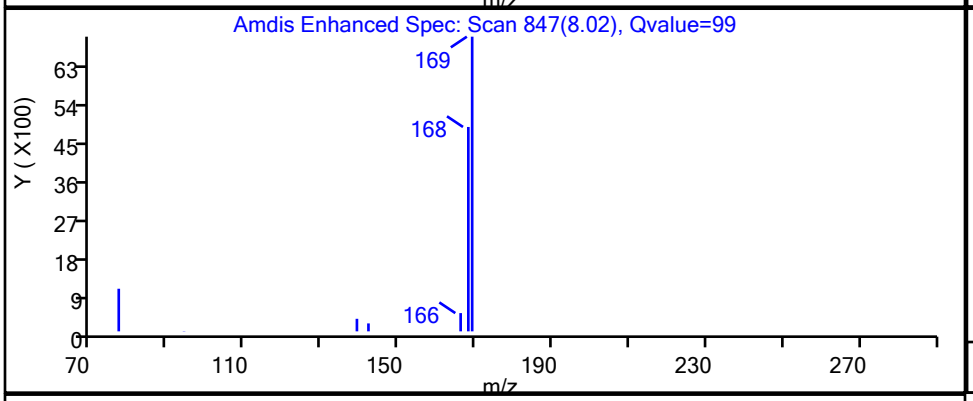
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

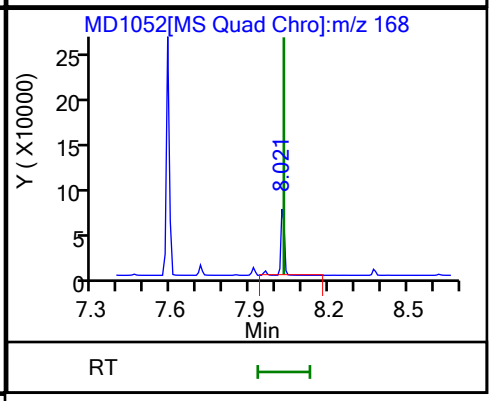
18 N-Nitrosodiphenylamine, CAS: 86-30-6

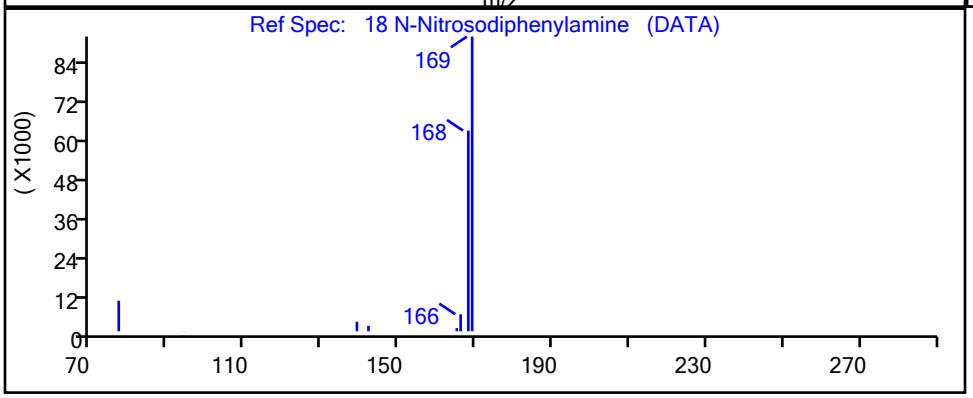
Processing Results











RT	Mass	Response	Amount
8.02	169.00	116796	0.301261
8.02	168.00	73792	

Reviewer: UJM0, 27-Apr-2023 10:05:44

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

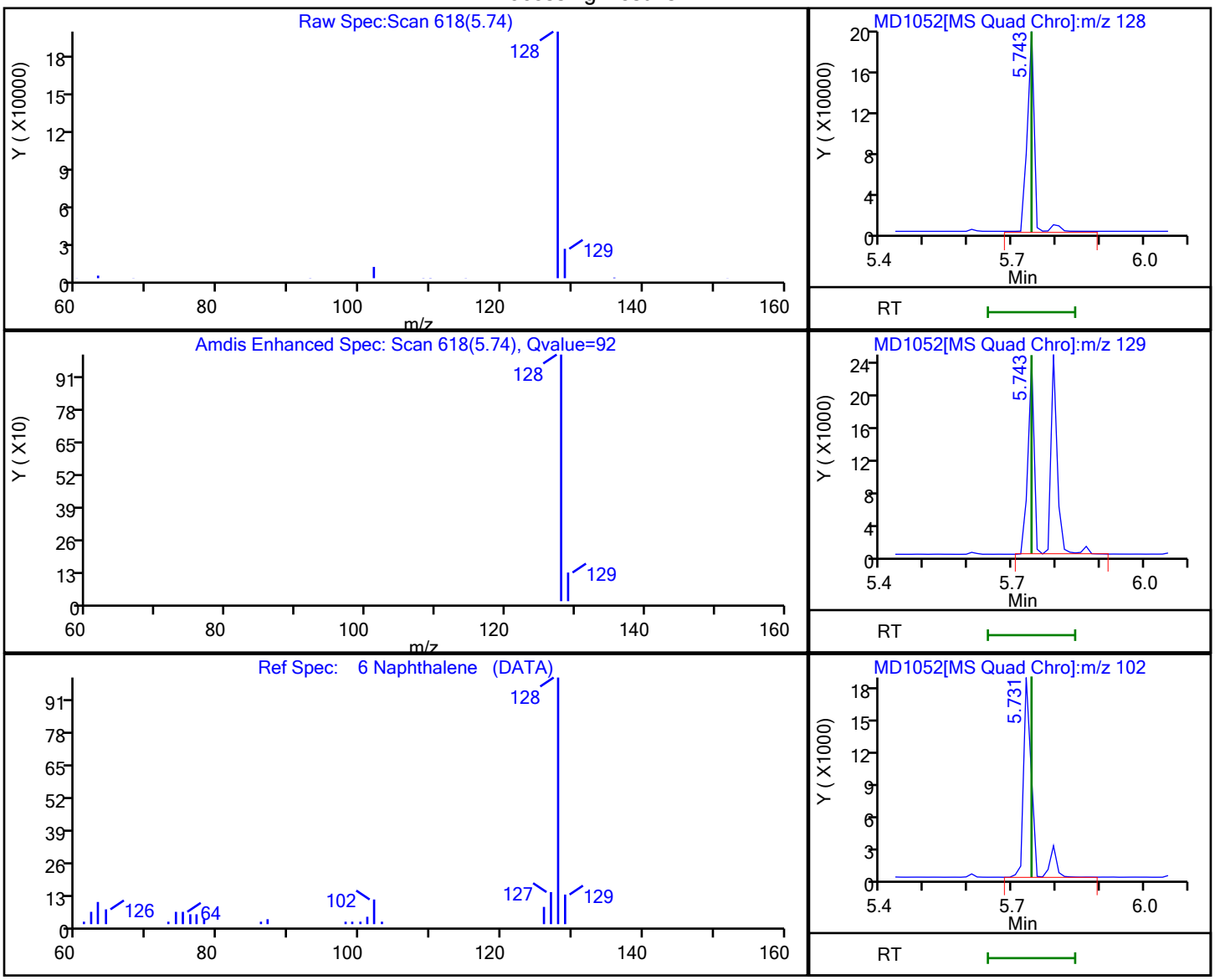
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	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
5.74	128.00	217098	0.244611
5.74	129.00	47338	
5.73	102.00	24320	

Reviewer: UJM0, 27-Apr-2023 10:05:31

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

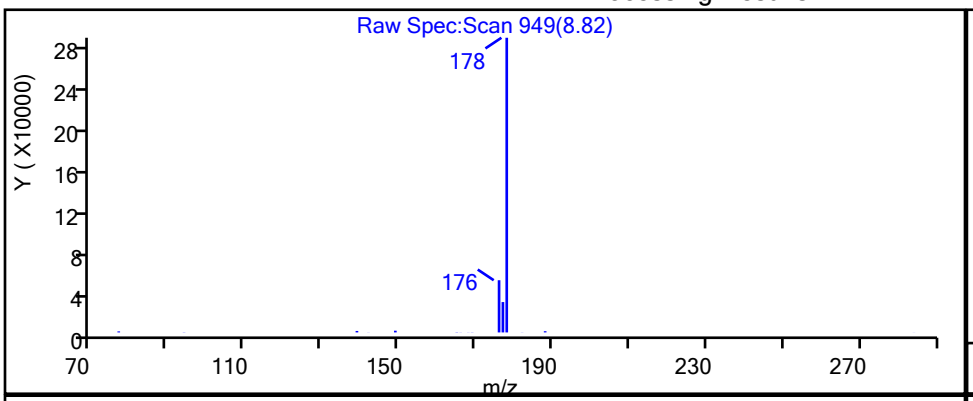
User Disabled Compound Report

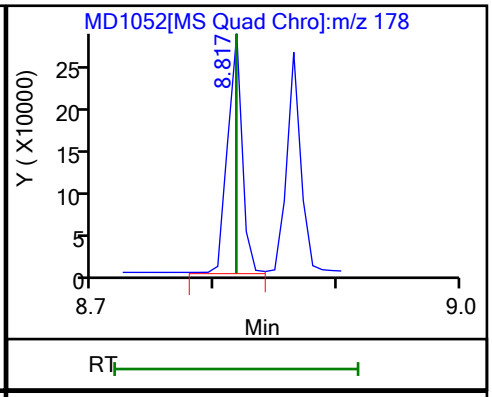
Eurofins Lancaster Laboratories Environment Testing, LLC

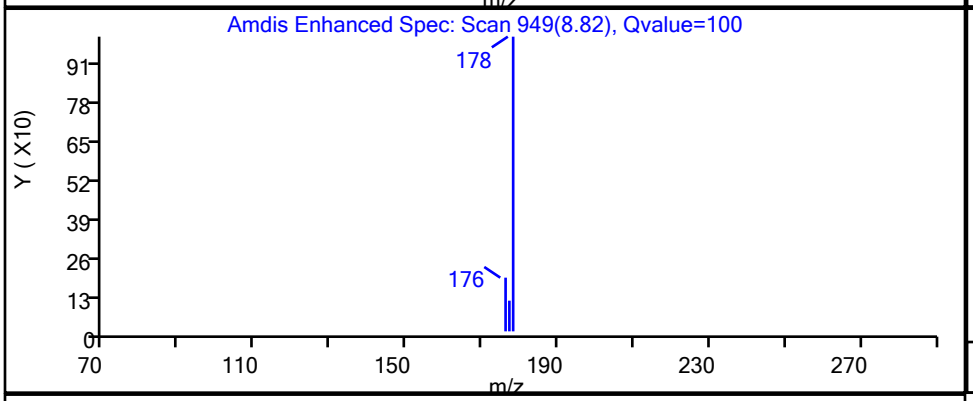
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

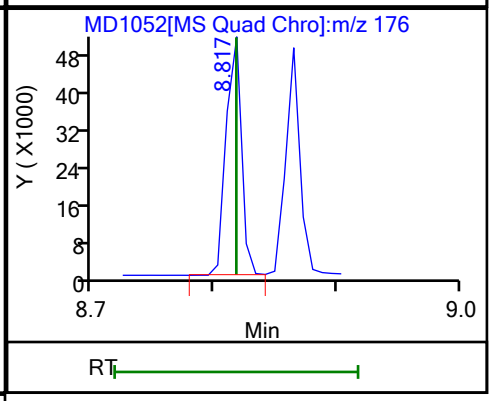
21 Phenanthrene, CAS: 85-01-8

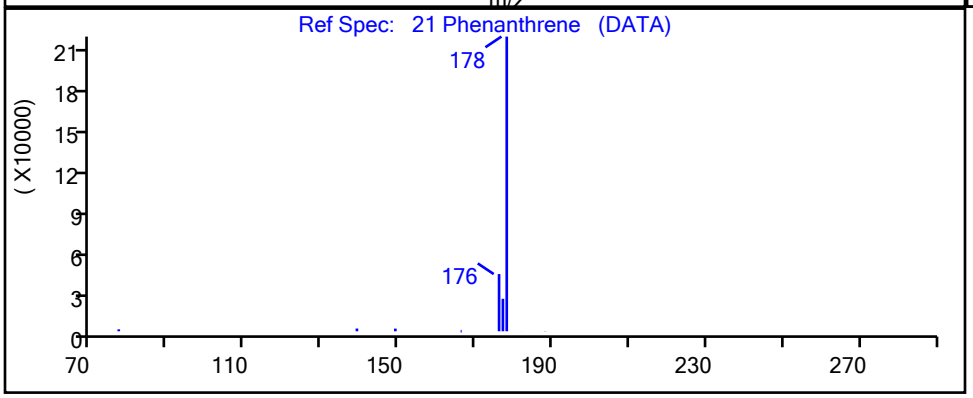
Processing Results











RT	Mass	Response	Amount
8.82	178.00	235751	0.220790
8.82	176.00	45007	

Reviewer: UJM0, 27-Apr-2023 10:05:48

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

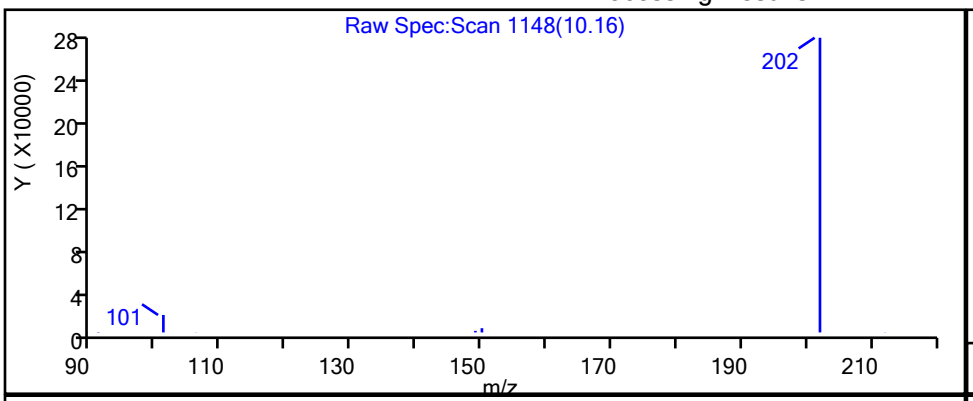
User Disabled Compound Report

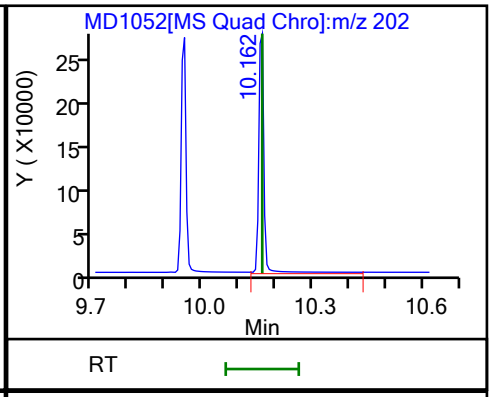
Eurofins Lancaster Laboratories Environment Testing, LLC

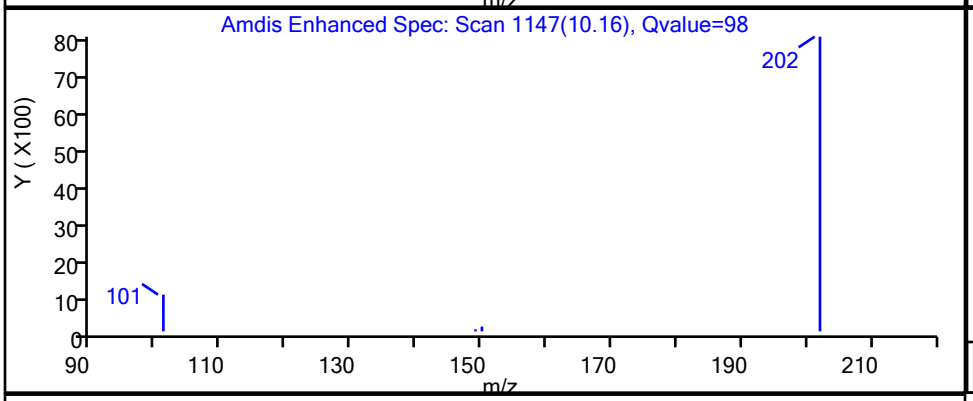
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1052.D				
Injection Date:	27-Apr-2023 04:35:18	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

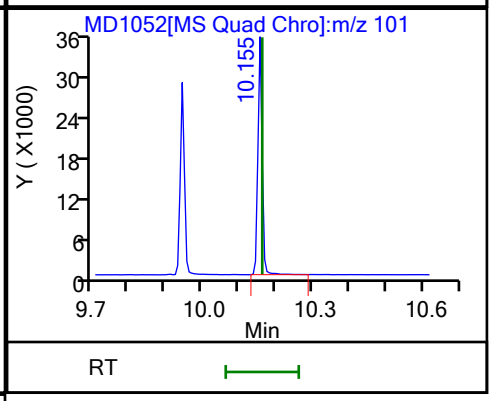
26 Pyrene, CAS: 129-00-0

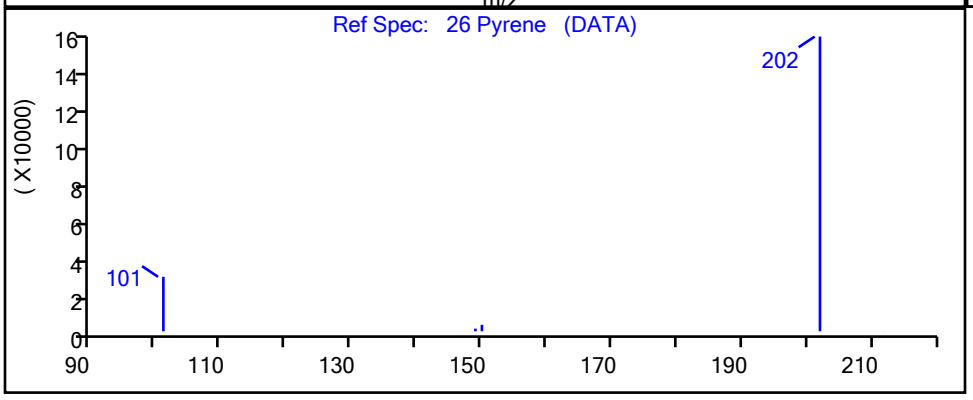
Processing Results











RT	Mass	Response	Amount
10.16	202.00	265139	0.215687
10.16	101.00	29515	

Reviewer: UJM0, 27-Apr-2023 10:05:53

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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-380829/2 Calibration Date: 05/30/2023 04:50

Instrument ID: HP21585 Calib Start Date: 04/25/2023 06:05

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/25/2023 08:11

Lab File ID: ME1161.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6132	0.6427		0.524	0.500	4.8	20.0
N-Nitrosodimethylamine	Ave	0.7683	0.7588		0.494	0.500	-1.2	20.0
Bis(2-chloroethyl)ether	Ave	0.4027	0.3764		0.467	0.500	-6.5	20.0
Naphthalene	Ave	1.162	1.198		0.516	0.500	3.2	20.0
Quinoline	Ave	0.6957	0.6738		0.484	0.500	-3.1	20.0
2-Methylnaphthalene	Ave	0.7779	0.7952		0.511	0.500	2.2	20.0
1-Methylnaphthalene	Ave	0.7261	0.7414		0.511	0.500	2.1	20.0
Dimethylphthalate	Ave	1.340	1.451		2.71	2.50	8.3	20.0
Acenaphthylene	Ave	1.869	1.921		0.514	0.500	2.8	20.0
Acenaphthene	Ave	1.211	1.124		0.464	0.500	-7.2	20.0
Dibenzofuran	Ave	2.110	1.931		0.458	0.500	-8.5	20.0
Diethylphthalate	Ave	1.202	1.367		2.84	2.50	13.7	20.0
Fluorene	Ave	1.547	1.495		0.483	0.500	-3.3	20.0
N-Nitrosodiphenylamine	Ave	0.4512	0.4544		0.503	0.500	0.7	20.0
Hexachlorobenzene	Ave	0.3164	0.2877		0.455	0.500	-9.1	20.0
Phenanthrene	Ave	1.243	1.156		0.465	0.500	-7.0	20.0
Anthracene	Ave	1.079	1.119		0.518	0.500	3.7	20.0
Di-n-butyl phthalate	Ave	0.8543	1.116		3.27	2.50	30.7*	20.0
Fluoranthene	Ave	1.394	1.443		0.518	0.500	3.5	20.0
Pyrene	Ave	1.606	1.438		0.448	0.500	-10.4	20.0
Butylbenzylphthalate	Ave	0.3731	0.4875		3.27	2.50	30.7*	20.0
Benzo[a]anthracene	Ave	1.309	1.372		0.524	0.500	4.8	20.0
Chrysene	Ave	1.592	1.450		0.455	0.500	-8.9	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.6780		3.00	2.50	20.0	20.0
Di-n-octyl phthalate	Ave	0.7355	1.051		3.57	2.50	42.9*	20.0
Benzo[b]fluoranthene	Ave	1.321	1.357		0.514	0.500	2.7	20.0
Benzo[k]fluoranthene	Ave	1.409	1.351		0.479	0.500	-4.1	20.0
Benzo[e]pyrene	Ave	1.342	1.304		0.486	0.500	-2.8	20.0
Benzo[a]pyrene	Ave	1.195	1.236		0.517	0.500	3.4	20.0
Perylene	Ave	1.360	1.266		0.466	0.500	-6.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.099	1.142		0.519	0.500	3.9	20.0
Dibenz(a,h)anthracene	Ave	1.267	1.216		0.480	0.500	-4.1	20.0
Benzo[g,h,i]perylene	Ave	1.400	1.348		0.481	0.500	-3.7	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.6087	0.6139		0.504	0.500	0.8	20.0
Fluoranthene-d10 (Surr)	Ave	1.143	1.232		0.539	0.500	7.8	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.9193	0.9789		0.532	0.500	6.5	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1161.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 30-May-2023 04:50:58 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 410-0085260-002, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 30-May-2023 05:11:56 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: UJM0 Date: 30-May-2023 05:11:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.648	1.648	0.000	84	62194	0.5000	0.5241	
2 N-Nitrosodimethylamine	74	1.942	1.942	0.000	92	73431	0.5000	0.4938	
3 Bis(2-chloroethyl)ether	93	4.218	4.218	0.000	90	124856	0.5000	0.4674	
* 4 1,4-Dichlorobenzene-d4	152	4.481	4.481	0.000	65	48385	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.681	5.681	0.000	91	165848	0.2500	0.2500	
6 Naphthalene	128	5.706	5.706	0.000	93	397496	0.5000	0.5158	
7 Quinoline	129	6.030	6.030	0.000	96	223501	0.5000	0.4843	
8 2-Methylnaphthalene	142	6.362	6.362	0.000	99	263778	0.5000	0.5112	
$ 9 1-Methylnaphthalene-d10	152	6.421	6.421	0.000	98	203620	0.5000	0.5042	
10 1-Methylnaphthalene	142	6.460	6.460	0.000	96	245921	0.5000	0.5106	
11 Dimethyl phthalate	163	7.110	7.110	0.000	75	1544600	2.50	2.71	
12 Acenaphthylene	152	7.219	7.219	0.000	96	409023	0.5000	0.5140	
* 13 Acenaphthene-d10	164	7.357	7.357	0.000	85	106448	0.2500	0.2500	
14 Acenaphthene	154	7.386	7.386	0.000	86	239242	0.5000	0.4640	
15 Dibenzofuran	168	7.553	7.553	0.000	83	411121	0.5000	0.4577	
16 Diethyl phthalate	149	7.779	7.779	0.000	99	1454836	2.50	2.84	
17 Fluorene	166	7.873	7.873	0.000	97	318366	0.5000	0.4834	
18 N-Nitrosodiphenylamine	169	7.990	7.990	0.000	100	195838	0.5000	0.5035	
19 Hexachlorobenzene	284	8.396	8.396	0.000	90	123999	0.5000	0.4547	
* 20 Phenanthrene-d10	188	8.762	8.762	0.000	95	215496	0.2500	0.2500	
21 Phenanthrene	178	8.778	8.778	0.000	100	498223	0.5000	0.4651	
22 Anthracene	178	8.833	8.833	0.000	100	482223	0.5000	0.5184	
23 Di-n-butyl phthalate	149	9.340	9.340	0.000	100	2405496	2.50	3.27	
$ 24 Fluoranthene-d10 (Surr)	212	9.892	9.892	0.000	97	530970	0.5000	0.5390	
25 Fluoranthene	202	9.911	9.911	0.000	100	621884	0.5000	0.5175	
26 Pyrene	202	10.124	10.124	0.000	100	652076	0.5000	0.4479	
27 Butyl benzyl phthalate	149	10.791	10.791	0.000	100	1105317	2.50	3.27	
28 Benzo[a]anthracene	228	11.359	11.359	0.000	100	622069	0.5000	0.5241	
* 29 Chrysene-d12	240	11.374	11.374	0.000	69	226718	0.2500	0.2500	
30 Chrysene	228	11.397	11.397	0.000	100	657654	0.5000	0.4555	

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	11.451	11.451	0.000	100	1537258	2.50	3.00	
32 Di-n-octyl phthalate	149	12.287	12.287	0.000	100	2527786	2.50	3.57	
33 Benzo[b]fluoranthene	252	12.716	12.716	0.000	100	652740	0.5000	0.5135	
34 Benzo[k]fluoranthene	252	12.754	12.754	0.000	100	649902	0.5000	0.4794	
35 Benzo[e]pyrene	252	13.092	13.092	0.000	100	627221	0.5000	0.4859	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.130	13.130	0.000	100	470940	0.5000	0.5324	
37 Benzo[a]pyrene	252	13.161	13.161	0.000	100	594679	0.5000	0.5170	
* 38 Perylene-d12	264	13.245	13.245	0.000	99	240556	0.2500	0.2500	
39 Perylene	252	13.276	13.276	0.000	100	609266	0.5000	0.4657	
40 Indeno[1,2,3-cd]pyrene	276	14.773	14.773	0.000	99	549364	0.5000	0.5194	M
41 Dibenz(a,h)anthracene	278	14.822	14.822	0.000	96	584868	0.5000	0.4797	
42 Benzo[g,h,i]perylene	276	15.190	15.190	0.000	96	648582	0.5000	0.4814	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00028 Amount Added: 1.00 Units: mL

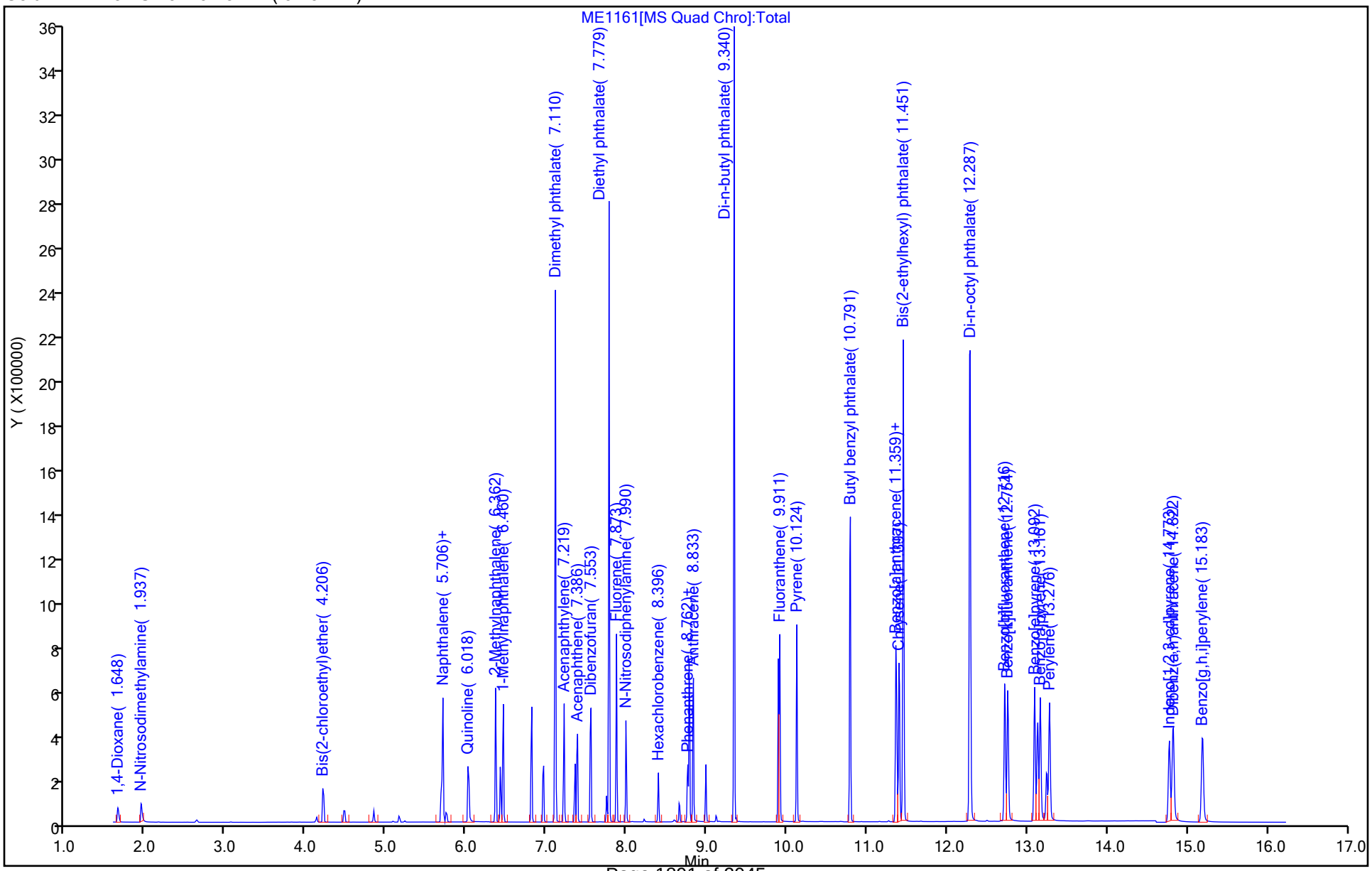
Report Date: 30-May-2023 05:11:57 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1161.D

Injection Date:	30-May-2023 04:50:58	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

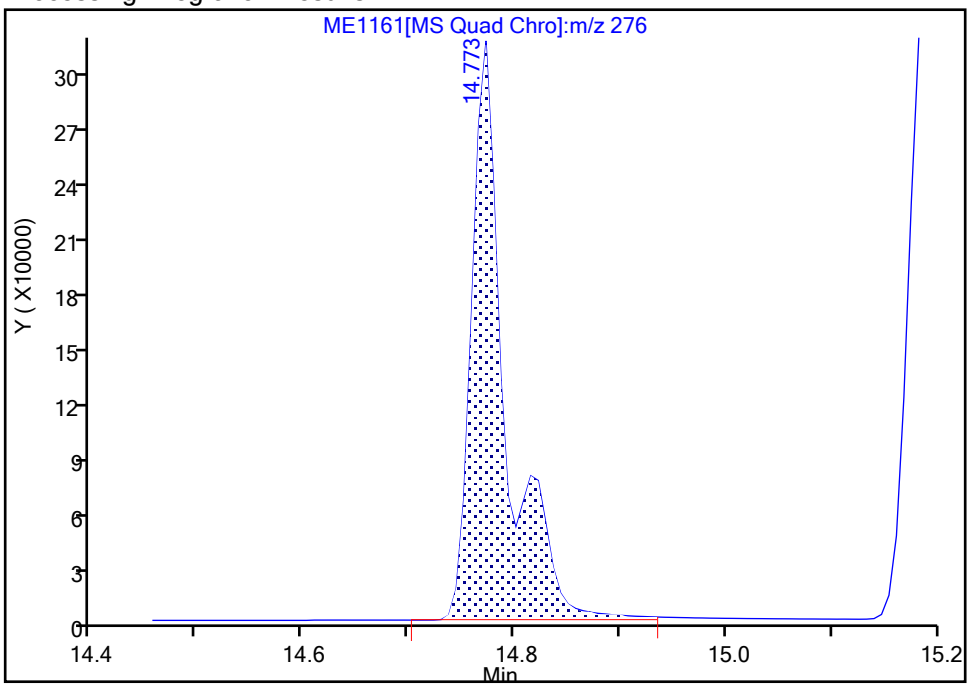
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1161.D				
Injection Date:	30-May-2023 04:50:58	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

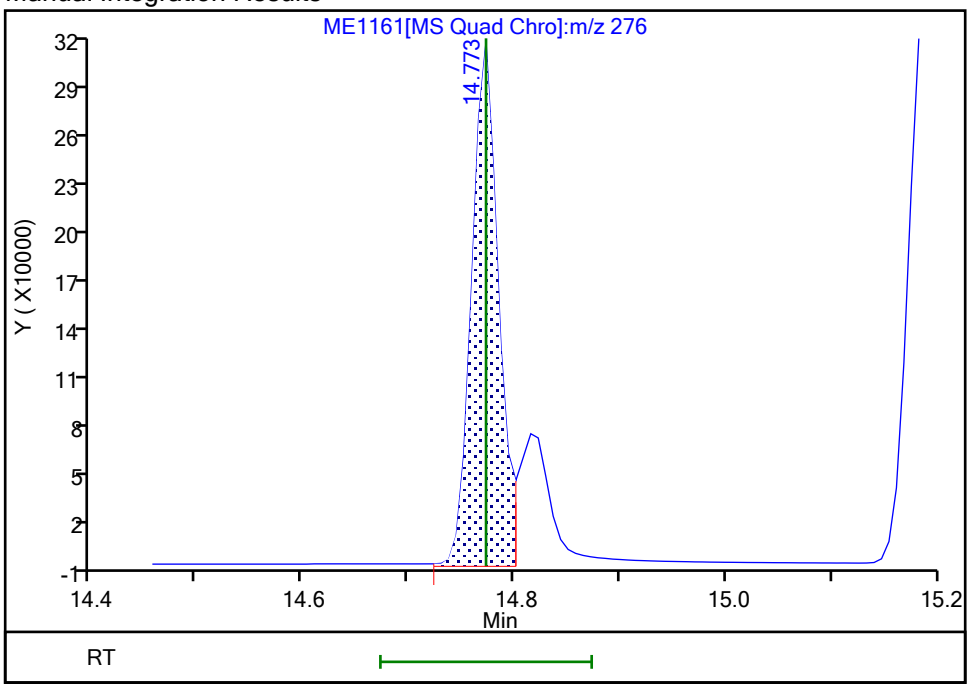
Processing Integration Results

RT: 14.77
Area: 710851
Amount: 0.672136
Amount Units: ug/ml



Manual Integration Results

RT: 14.77
Area: 549364
Amount: 0.519444
Amount Units: ug/ml



Reviewer: UJM0, 30-May-2023 05:11:20 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-382216/2 Calibration Date: 06/02/2023 05:04

Instrument ID: HP21585 Calib Start Date: 04/25/2023 06:05

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/25/2023 08:11

Lab File ID: MF0051.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6132	0.6583		0.537	0.500	7.4	20.0
N-Nitrosodimethylamine	Ave	0.7683	0.7680		0.500	0.500	-0.0	20.0
Bis(2-chloroethyl)ether	Ave	0.4027	0.3877		0.481	0.500	-3.7	20.0
Naphthalene	Ave	1.162	1.155		0.497	0.500	-0.6	20.0
Quinoline	Ave	0.6957	0.6641		0.477	0.500	-4.5	20.0
2-Methylnaphthalene	Ave	0.7779	0.7987		0.513	0.500	2.7	20.0
1-Methylnaphthalene	Ave	0.7261	0.7440		0.512	0.500	2.5	20.0
Dimethylphthalate	Ave	1.340	1.405		2.62	2.50	4.8	20.0
Acenaphthylene	Ave	1.869	1.832		0.490	0.500	-2.0	20.0
Acenaphthene	Ave	1.211	1.138		0.470	0.500	-6.0	20.0
Dibenzofuran	Ave	2.110	1.989		0.471	0.500	-5.7	20.0
Diethylphthalate	Ave	1.202	1.394		2.90	2.50	16.0	20.0
Fluorene	Ave	1.547	1.524		0.493	0.500	-1.5	20.0
N-Nitrosodiphenylamine	Ave	0.4512	0.4266		0.473	0.500	-5.5	20.0
Hexachlorobenzene	Ave	0.3164	0.2830		0.447	0.500	-10.6	20.0
Phenanthrene	Ave	1.243	1.156		0.465	0.500	-7.0	20.0
Anthracene	Ave	1.079	1.076		0.499	0.500	-0.3	20.0
Di-n-butyl phthalate	Ave	0.8543	1.056		3.09	2.50	23.6*	20.0
Fluoranthene	Ave	1.394	1.419		0.509	0.500	1.8	20.0
Pyrene	Ave	1.606	1.410		0.439	0.500	-12.2	20.0
Butylbenzylphthalate	Ave	0.3731	0.4517		3.03	2.50	21.1*	20.0
Benzo[a]anthracene	Ave	1.309	1.311		0.501	0.500	0.1	20.0
Chrysene	Ave	1.592	1.457		0.457	0.500	-8.5	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.6363		2.82	2.50	12.9	20.0
Di-n-octyl phthalate	Ave	0.7355	0.9690		3.29	2.50	31.7*	20.0
Benzo[b]fluoranthene	Ave	1.321	1.281		0.485	0.500	-3.0	20.0
Benzo[k]fluoranthene	Ave	1.409	1.348		0.478	0.500	-4.3	20.0
Benzo[e]pyrene	Ave	1.342	1.267		0.472	0.500	-5.6	20.0
Benzo[a]pyrene	Ave	1.195	1.215		0.508	0.500	1.6	20.0
Perylene	Ave	1.360	1.278		0.470	0.500	-6.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.099	1.052		0.479	0.500	-4.2	20.0
Dibenz(a,h)anthracene	Ave	1.267	1.242		0.490	0.500	-2.0	20.0
Benzo[g,h,i]perylene	Ave	1.400	1.327		0.474	0.500	-5.2	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.6087	0.6215		0.511	0.500	2.1	20.0
Fluoranthene-d10 (Surr)	Ave	1.143	1.188		0.520	0.500	4.0	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.9193	0.9282		0.505	0.500	1.0	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0051.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 02-Jun-2023 05:04:12 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 410-0085590-002, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 02-Jun-2023 05:40:48 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: UJM0 Date: 02-Jun-2023 05:40:43

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	1.635	1.635	0.000	84	57723	0.5000	0.5368	
2 N-Nitrosodimethylamine	74	1.929	1.929	0.000	92	67340	0.5000	0.4998	
3 Bis(2-chloroethyl)ether	93	4.206	4.206	0.000	87	115287	0.5000	0.4813	
* 4 1,4-Dichlorobenzene-d4	152	4.468	4.468	0.000	95	43844	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.681	5.681	0.000	91	148698	0.2500	0.2500	
6 Naphthalene	128	5.706	5.706	0.000	92	343357	0.5000	0.4970	
7 Quinoline	129	6.018	6.018	0.000	96	197491	0.5000	0.4773	
8 2-Methylnaphthalene	142	6.362	6.362	0.000	98	237535	0.5000	0.5134	
$ 9 1-Methylnaphthalene-d10	152	6.421	6.421	0.000	98	184836	0.5000	0.5105	
10 1-Methylnaphthalene	142	6.460	6.460	0.000	96	221252	0.5000	0.5123	
11 Dimethyl phthalate	163	7.110	7.110	0.000	75	1304250	2.50	2.62	
12 Acenaphthylene	152	7.219	7.219	0.000	96	340149	0.5000	0.4902	M
* 13 Acenaphthene-d10	164	7.357	7.357	0.000	93	92817	0.2500	0.2500	
14 Acenaphthene	154	7.376	7.376	0.000	88	211249	0.5000	0.4698	
15 Dibenzofuran	168	7.554	7.554	0.000	83	369257	0.5000	0.4715	
16 Diethyl phthalate	149	7.779	7.779	0.000	99	1294125	2.50	2.90	
17 Fluorene	166	7.873	7.873	0.000	98	282929	0.5000	0.4927	
18 N-Nitrosodiphenylamine	169	7.990	7.990	0.000	100	162520	0.5000	0.4727	
19 Hexachlorobenzene	284	8.396	8.396	0.000	91	107787	0.5000	0.4472	
* 20 Phenanthrene-d10	188	8.755	8.755	0.000	95	190464	0.2500	0.2500	
21 Phenanthrene	178	8.778	8.778	0.000	100	440240	0.5000	0.4650	
22 Anthracene	178	8.833	8.833	0.000	100	409902	0.5000	0.4986	
23 Di-n-butyl phthalate	149	9.340	9.340	0.000	100	2011800	2.50	3.09	
$ 24 Fluoranthene-d10 (Surr)	212	9.892	9.892	0.000	98	452695	0.5000	0.5200	
25 Fluoranthene	202	9.911	9.911	0.000	99	540647	0.5000	0.5091	
26 Pyrene	202	10.124	10.124	0.000	98	567245	0.5000	0.4390	
27 Butyl benzyl phthalate	149	10.791	10.791	0.000	100	908884	2.50	3.03	
28 Benzo[a]anthracene	228	11.359	11.359	0.000	100	527477	0.5000	0.5007	
* 29 Chrysene-d12	240	11.374	11.374	0.000	68	201201	0.2500	0.2500	
30 Chrysene	228	11.397	11.397	0.000	100	586167	0.5000	0.4575	

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	11.451	11.451	0.000	100	1280280	2.50	2.82	
32 Di-n-octyl phthalate	149	12.287	12.287	0.000	100	2089889	2.50	3.29	
33 Benzo[b]fluoranthene	252	12.716	12.716	0.000	100	552774	0.5000	0.4850	
34 Benzo[k]fluoranthene	252	12.754	12.754	0.000	100	581526	0.5000	0.4784	
35 Benzo[e]pyrene	252	13.092	13.092	0.000	100	546528	0.5000	0.4722	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.130	13.130	0.000	100	400404	0.5000	0.5049	
37 Benzo[a]pyrene	252	13.161	13.161	0.000	100	524029	0.5000	0.5081	
* 38 Perylene-d12	264	13.245	13.245	0.000	99	215681	0.2500	0.2500	
39 Perylene	252	13.276	13.276	0.000	100	551120	0.5000	0.4698	
40 Indeno[1,2,3-cd]pyrene	276	14.773	14.773	0.000	99	453971	0.5000	0.4788	M
41 Dibenz(a,h)anthracene	278	14.822	14.822	0.000	97	535858	0.5000	0.4902	
42 Benzo[g,h,i]perylene	276	15.190	15.190	0.000	96	572460	0.5000	0.4739	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00028 Amount Added: 1.00 Units: mL

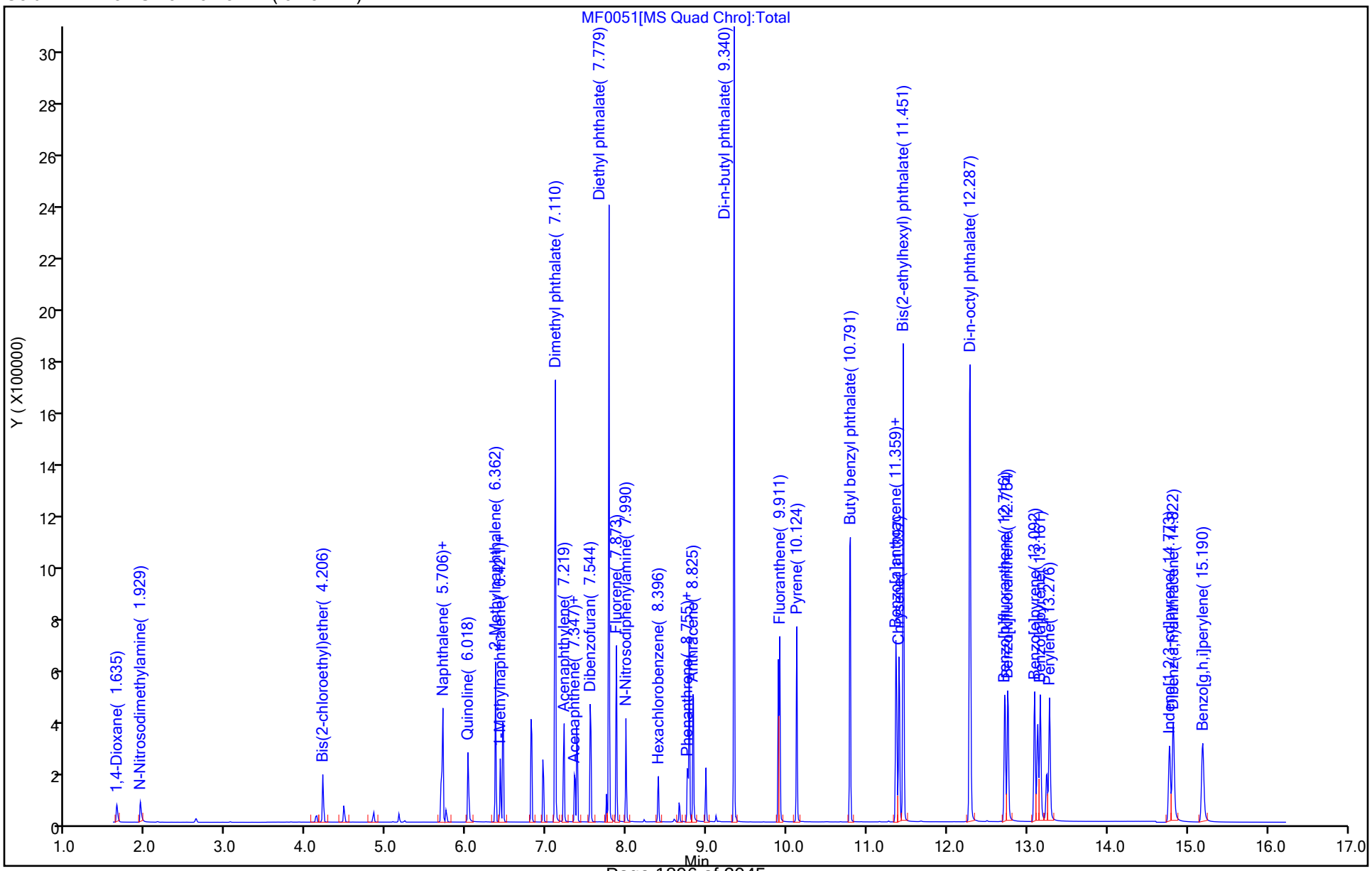
Report Date: 02-Jun-2023 05:40:49 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0051.D

Injection Date:	02-Jun-2023 05:04:12	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

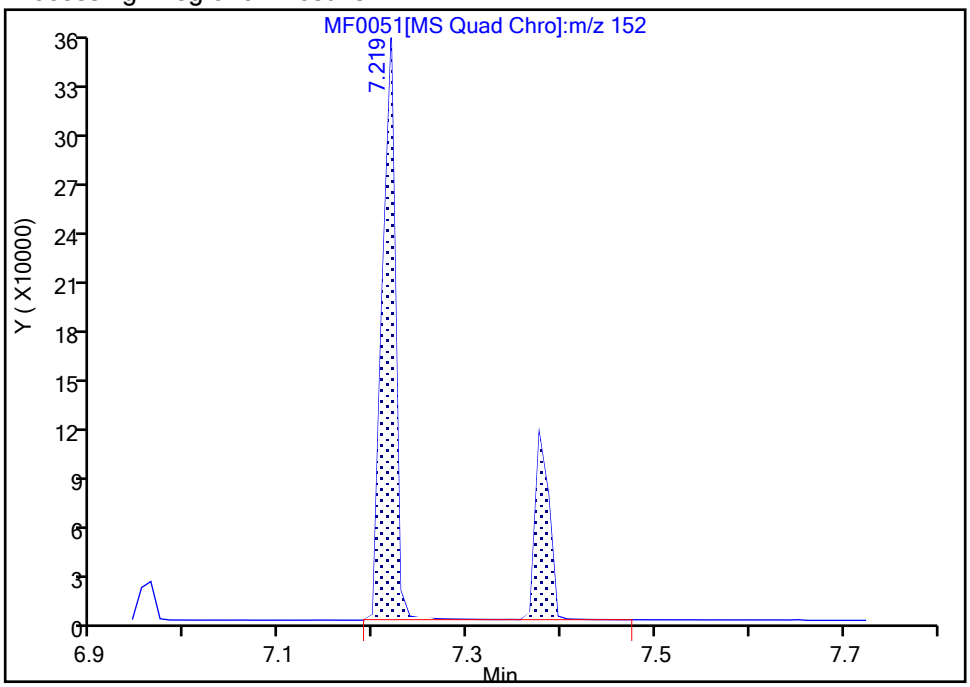
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0051.D				
Injection Date:	02-Jun-2023 05:04:12	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

12 Acenaphthylene, CAS: 208-96-8

Signal: 1

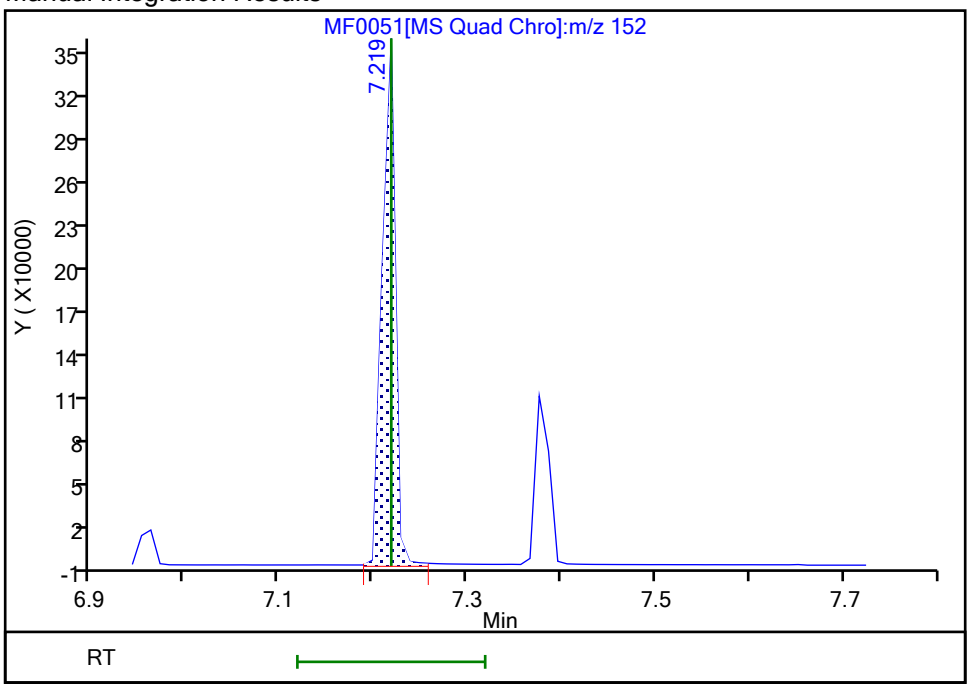
Processing Integration Results

RT: 7.22
Area: 458243
Amount: 0.660423
Amount Units: ug/ml



Manual Integration Results

RT: 7.22
Area: 340149
Amount: 0.490225
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 05:39:47 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

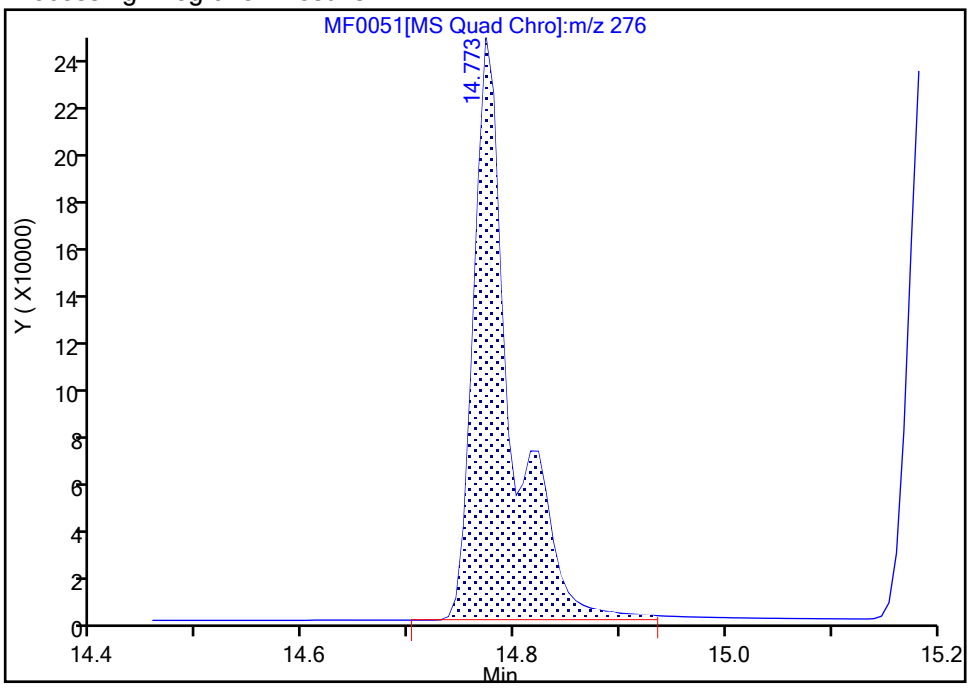
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0051.D				
Injection Date:	02-Jun-2023 05:04:12	Instrument ID:	HP21585		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

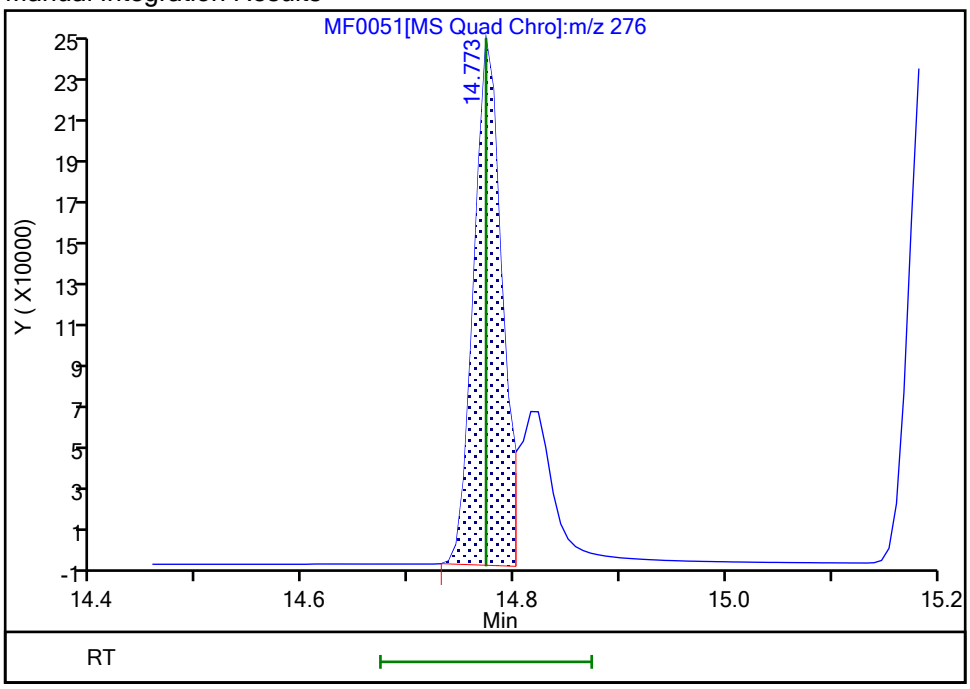
Processing Integration Results

RT: 14.77
Area: 620527
Amount: 0.654400
Amount Units: ug/ml



Manual Integration Results

RT: 14.77
Area: 453971
Amount: 0.478752
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 05:40:07 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

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

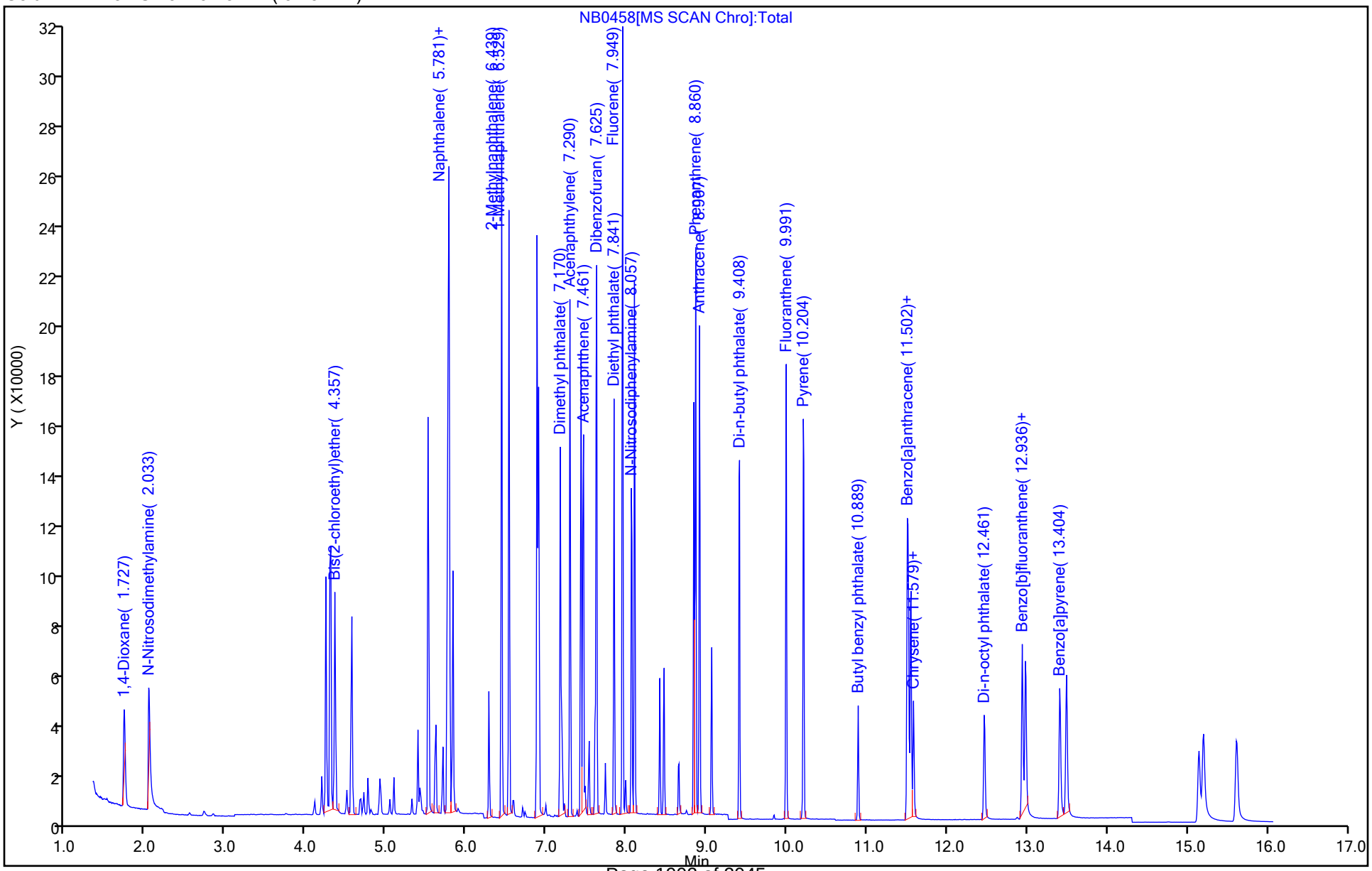
Report Date: 22-Feb-2023 03:35:48 Chrom Revision: 2.3 15-Feb-2023 20:44:50

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

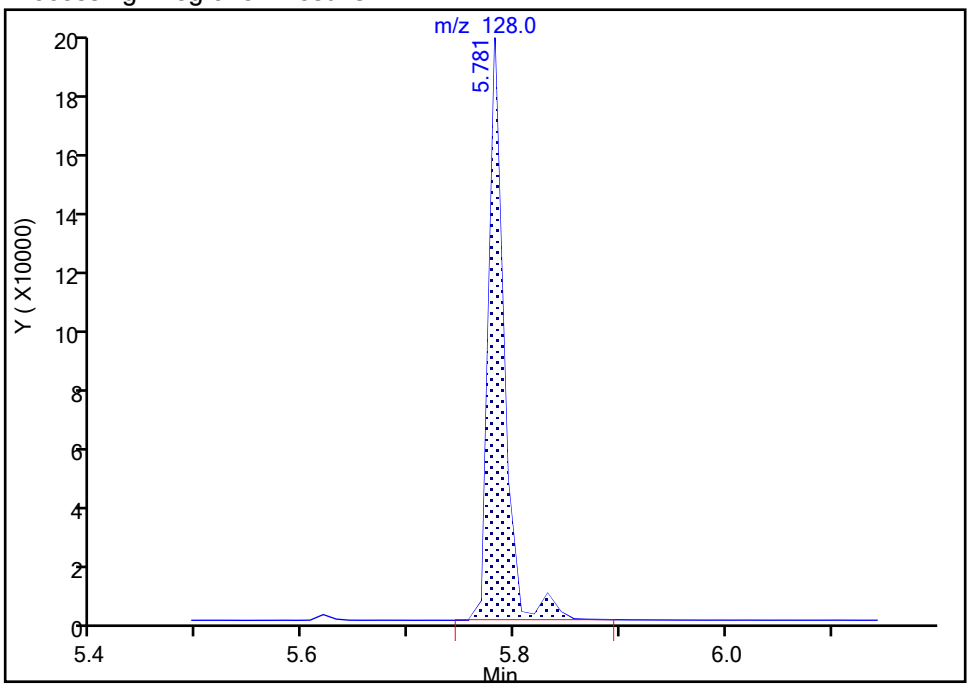
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0458.D				
Injection Date:	22-Feb-2023 01:46:30	Instrument ID:	HP23263		
Lims ID:	ICV				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

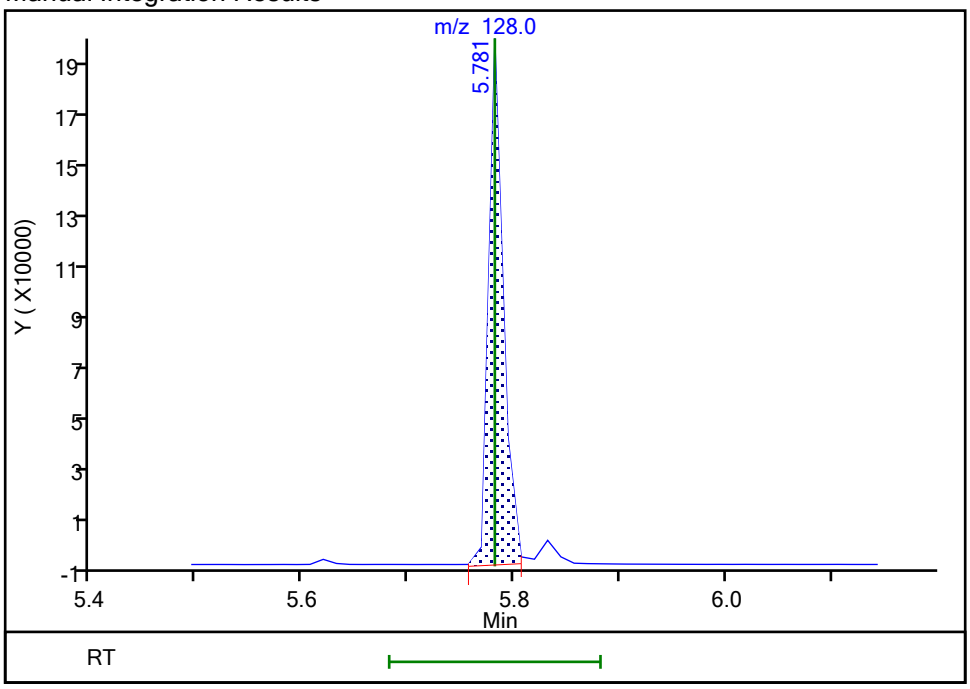
Processing Integration Results

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

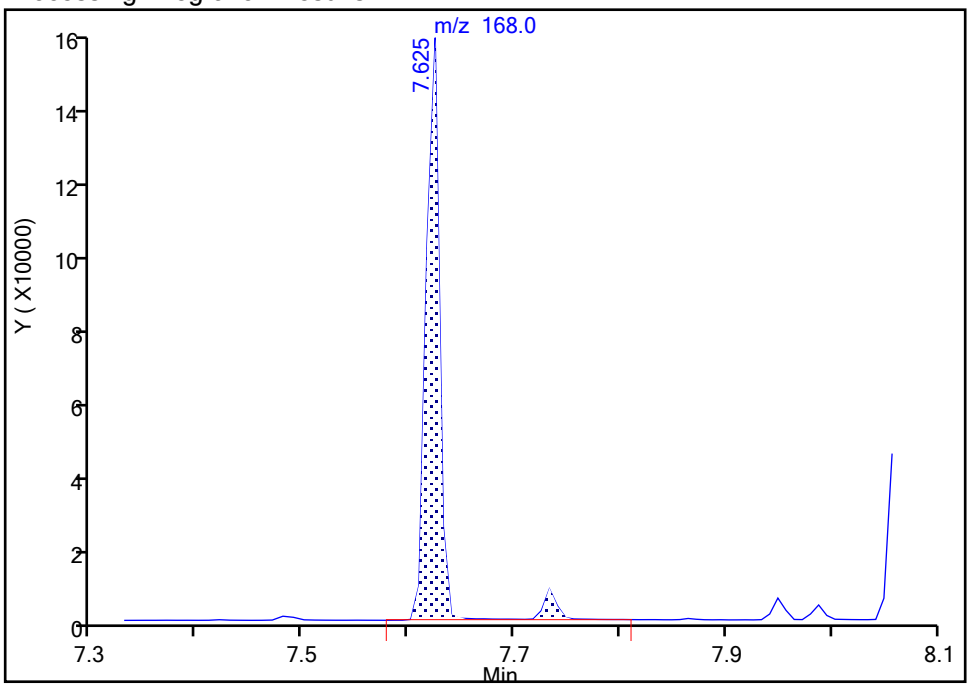
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0458.D				
Injection Date:	22-Feb-2023 01:46:30	Instrument ID:	HP23263		
Lims ID:	ICV				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit 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

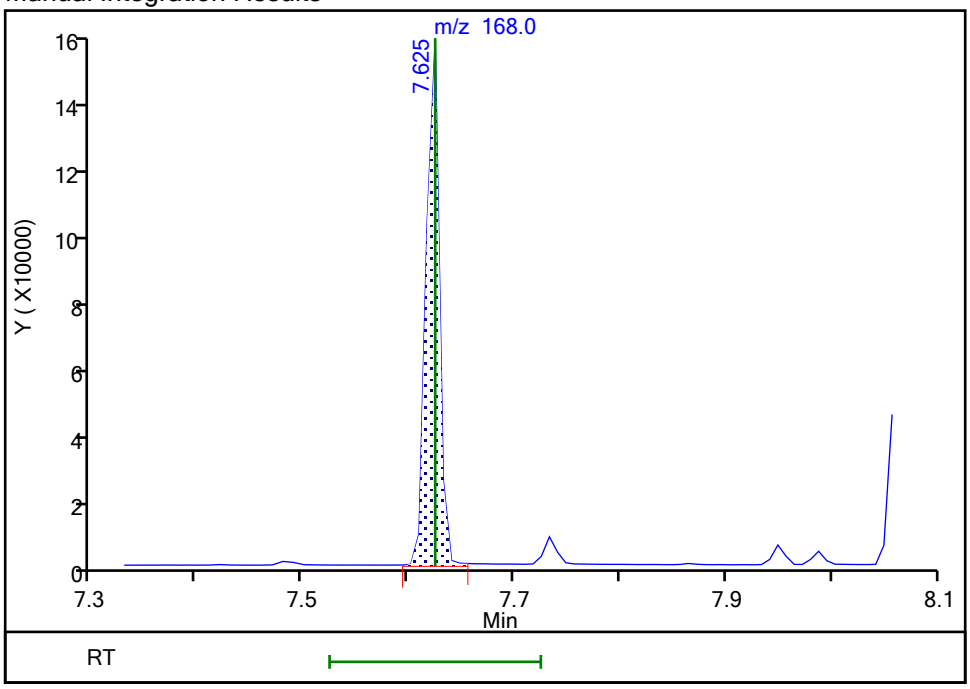
Processing Integration Results

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 Envi Job No.: 410-127407-1

SDG No.:

Lab Sample ID: CCVIS 410-380221/2 Calibration Date: 05/26/2023 04:44

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: NE0551.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	0.5919		1.07	1.00	6.7	20.0
N-Nitrosodimethylamine	Ave	0.6364	0.8756		1.38	1.00	37.6*	20.0
Bis(2-chloroethyl)ether	Ave	0.3682	0.3847		1.04	1.00	4.5	20.0
Naphthalene	Lin2		0.9060		0.997	1.00	-0.3	20.0
Quinoline	Ave	0.5925	0.5589		0.943	1.00	-5.7	20.0
2-Methylnaphthalene	Ave	0.6554	0.5749		0.877	1.00	-12.3	20.0
1-Methylnaphthalene	Ave	0.5589	0.4980		0.891	1.00	-10.9	20.0
Dimethylphthalate	Ave	1.079	1.117		5.17	5.00	3.5	20.0
Acenaphthylene	Ave	1.877	1.962		1.05	1.00	4.5	20.0
Acenaphthene	Ave	1.109	1.125		1.01	1.00	1.4	20.0
Dibenzofuran	Ave	1.734	1.739		1.00	1.00	0.3	20.0
Diethylphthalate	Ave	1.035	1.063		5.14	5.00	2.7	20.0
Fluorene	Ave	1.251	1.248		0.998	1.00	-0.2	20.0
N-Nitrosodiphenylamine	Ave	0.4328	0.4656		1.08	1.00	7.6	20.0
Hexachlorobenzene	Ave	0.2671	0.2773		1.04	1.00	3.8	20.0
Phenanthrene	Lin2		1.077		1.06	1.00	6.0	20.0
Anthracene	Ave	1.013	1.061		1.05	1.00	4.7	20.0
Di-n-butyl phthalate	Ave	0.9725	0.9884		5.08	5.00	1.6	20.0
Fluoranthene	Ave	1.008	1.000		0.992	1.00	-0.8	20.0
Pyrene	Ave	1.712	1.743		1.02	1.00	1.8	20.0
Butylbenzylphthalate	Ave	0.5246	0.6847		6.53	5.00	30.5*	20.0
Benzo[a]anthracene	Ave	1.268	1.335		1.05	1.00	5.2	20.0
Chrysene	Ave	1.277	1.446		1.13	1.00	13.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6446	0.8810		6.83	5.00	36.7*	20.0
Di-n-octyl phthalate	Ave	1.099	1.326		6.04	5.00	20.7*	20.0
Benzo[b]fluoranthene	Ave	1.182	1.155		0.977	1.00	-2.3	20.0
Benzo[k]fluoranthene	Ave	1.317	1.279		0.972	1.00	-2.8	20.0
Benzo[e]pyrene	Ave	1.218	1.222		1.00	1.00	0.3	20.0
Benzo[a]pyrene	Ave	1.104	1.130		1.02	1.00	2.3	20.0
Perylene	Ave	1.156	1.195		1.03	1.00	3.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8370	0.8271		0.988	1.00	-1.2	20.0
Dibenz(a,h)anthracene	Ave	0.8911	0.8672		0.973	1.00	-2.7	20.0
Benzo[g,h,i]perylene	Ave	1.072	1.090		1.02	1.00	1.6	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.4351	0.4123		0.948	1.00	-5.2	20.0
Fluoranthene-d10 (Surr)	Ave	0.8080	0.8701		1.08	1.00	7.7	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.8387	0.8771		1.05	1.00	4.6	20.0

Report Date: 26-May-2023 20:46:43 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0551.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-May-2023 04:44:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 410-0085101-002
Operator ID: jmg00346 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:46:42 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: CTX1644

First Level Reviewer: SJ89 Date: 26-May-2023 20:46:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.674	1.674	0.000	92	93365	1.00	1.07	
2 N-Nitrosodimethylamine	74	1.994	1.994	0.000	86	138125	1.00	1.38	
3 Bis(2-chloroethyl)ether	93	4.282	4.282	0.000	95	238779	1.00	1.04	
* 4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	97	39435	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.744	5.744	0.000	100	155164	0.2500	0.2500	
6 Naphthalene	128	5.769	5.769	0.000	99	562303	1.00	1.00	
7 Quinoline	129	6.081	6.081	0.000	99	346866	1.00	0.9432	
8 2-Methylnaphthalene	142	6.417	6.417	0.000	100	356793	1.00	0.8771	
$ 9 1-Methylnaphthalene-d10	152	6.477	6.477	0.000	100	255877	1.00	0.9476	
10 1-Methylnaphthalene	142	6.507	6.507	0.000	94	309067	1.00	0.8910	
11 Dimethyl phthalate	163	7.158	7.158	0.000	99	1284901	5.00	5.17	
12 Acenaphthylene	152	7.278	7.278	0.000	97	451219	1.00	1.05	
* 13 Acenaphthene-d10	164	7.408	7.408	0.000	96	57507	0.2500	0.2500	
14 Acenaphthene	154	7.438	7.438	0.000	94	258776	1.00	1.01	
15 Dibenzofuran	168	7.602	7.602	0.000	99	399937	1.00	1.00	
16 Diethyl phthalate	149	7.826	7.826	0.000	97	1222586	5.00	5.14	
17 Fluorene	166	7.926	7.926	0.000	99	287040	1.00	1.00	
18 N-Nitrosodiphenylamine	169	8.042	8.042	0.000	100	163559	1.00	1.08	
19 Hexachlorobenzene	284	8.443	8.443	0.000	93	97416	1.00	1.04	
* 20 Phenanthrene-d10	188	8.814	8.814	0.000	99	87826	0.2500	0.2500	
21 Phenanthrene	178	8.837	8.837	0.000	100	378489	1.00	1.06	
22 Anthracene	178	8.883	8.883	0.000	98	372779	1.00	1.05	
23 Di-n-butyl phthalate	149	9.384	9.384	0.000	100	1736121	5.00	5.08	
$ 24 Fluoranthene-d10 (Surr)	212	9.948	9.948	0.000	100	305664	1.00	1.08	
25 Fluoranthene	202	9.967	9.967	0.000	99	351188	1.00	0.99	
26 Pyrene	202	10.180	10.180	0.000	99	374543	1.00	1.02	
27 Butyl benzyl phthalate	149	10.852	10.852	0.000	100	735771	5.00	6.53	
28 Benzo[a]anthracene	228	11.450	11.450	0.000	82	286832	1.00	1.05	
* 29 Chrysene-d12	240	11.465	11.465	0.000	70	53728	0.2500	0.2500	
30 Chrysene	228	11.496	11.496	0.000	100	310697	1.00	1.13	

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	11.519	11.519	0.000	99	946728	5.00	6.83	
32 Di-n-octyl phthalate	149	12.386	12.386	0.000	100	1603928	5.00	6.04	
33 Benzo[b]fluoranthene	252	12.861	12.861	0.000	100	279269	1.00	0.9766	
34 Benzo[k]fluoranthene	252	12.907	12.907	0.000	100	309434	1.00	0.9716	
35 Benzo[e]pyrene	252	13.252	13.252	0.000	100	295535	1.00	1.00	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.291	13.291	0.000	99	212129	1.00	1.05	
37 Benzo[a]pyrene	252	13.329	13.329	0.000	100	273271	1.00	1.02	
* 38 Perylene-d12	264	13.413	13.413	0.000	96	60462	0.2500	0.2500	
39 Perylene	252	13.444	13.444	0.000	100	289102	1.00	1.03	
40 Indeno[1,2,3-cd]pyrene	276	15.023	15.023	0.000	98	200025	1.00	0.9882	
41 Dibenz(a,h)anthracene	278	15.073	15.073	0.000	98	209727	1.00	0.9732	
42 Benzo[g,h,i]perylene	276	15.476	15.476	0.000	99	263630	1.00	1.02	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_5_00021 Amount Added: 1.00 Units: mL

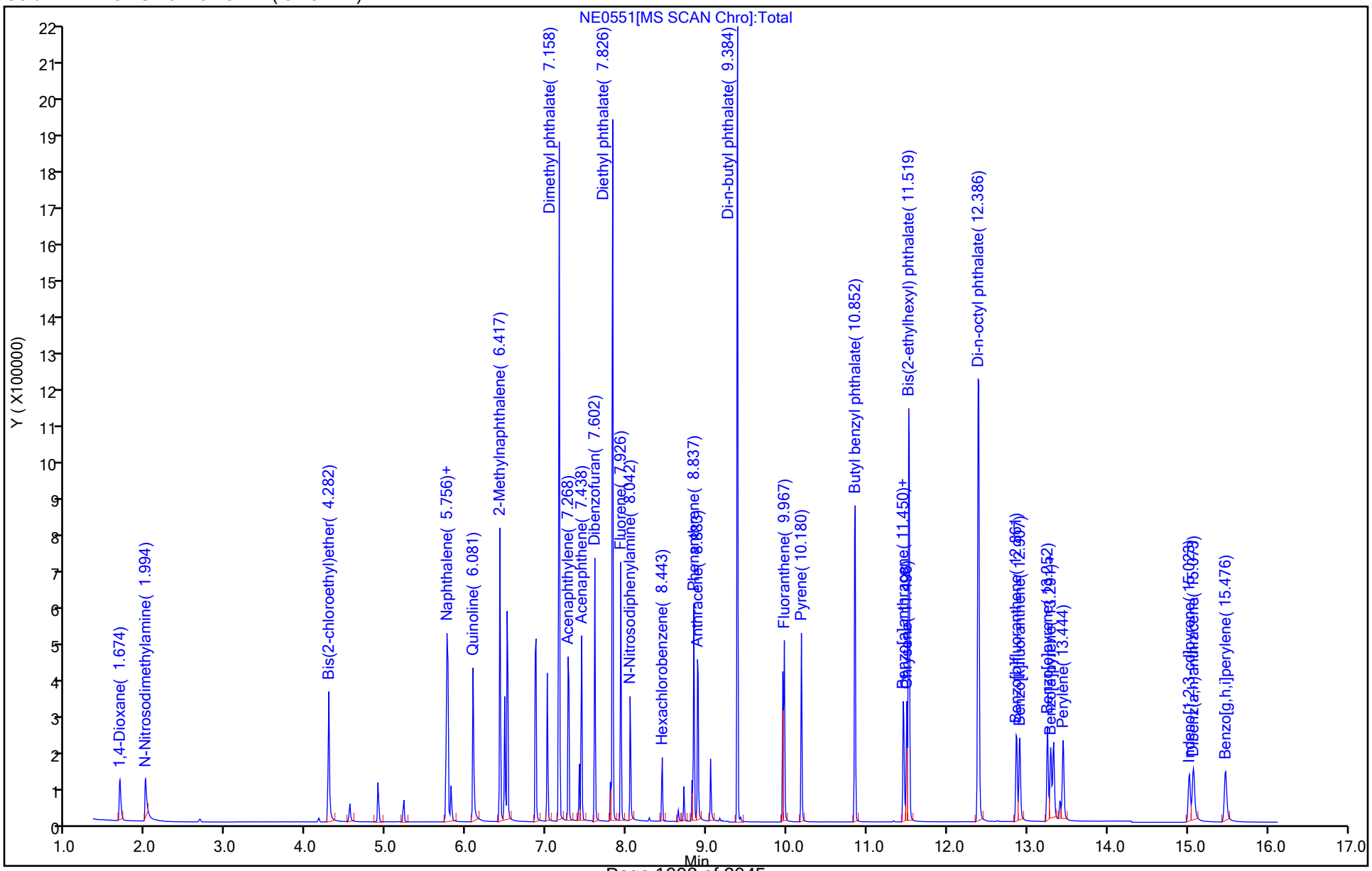
Report Date: 26-May-2023 20:46:43 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0551.D

Injection Date:	26-May-2023 04:44:30	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\20230425-82279.b\MD0950.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 25-Apr-2023 05:46:32 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0082279-001
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 25-Apr-2023 10:42:22 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: UJM0 Date: 25-Apr-2023 10:42:22

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	4.980	4.980	0.000	0	1217241	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.210	6.210	0.000	0	4119010	NR	NR	
47 4,4'-DDE	246	6.364	6.364	0.000	0	3408		NR	
48 4,4'-DDD	235	6.650	6.650	0.000	0	20662		NR	
49 4,4'-DDT	235	6.902	6.902	0.000	0	2132166	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

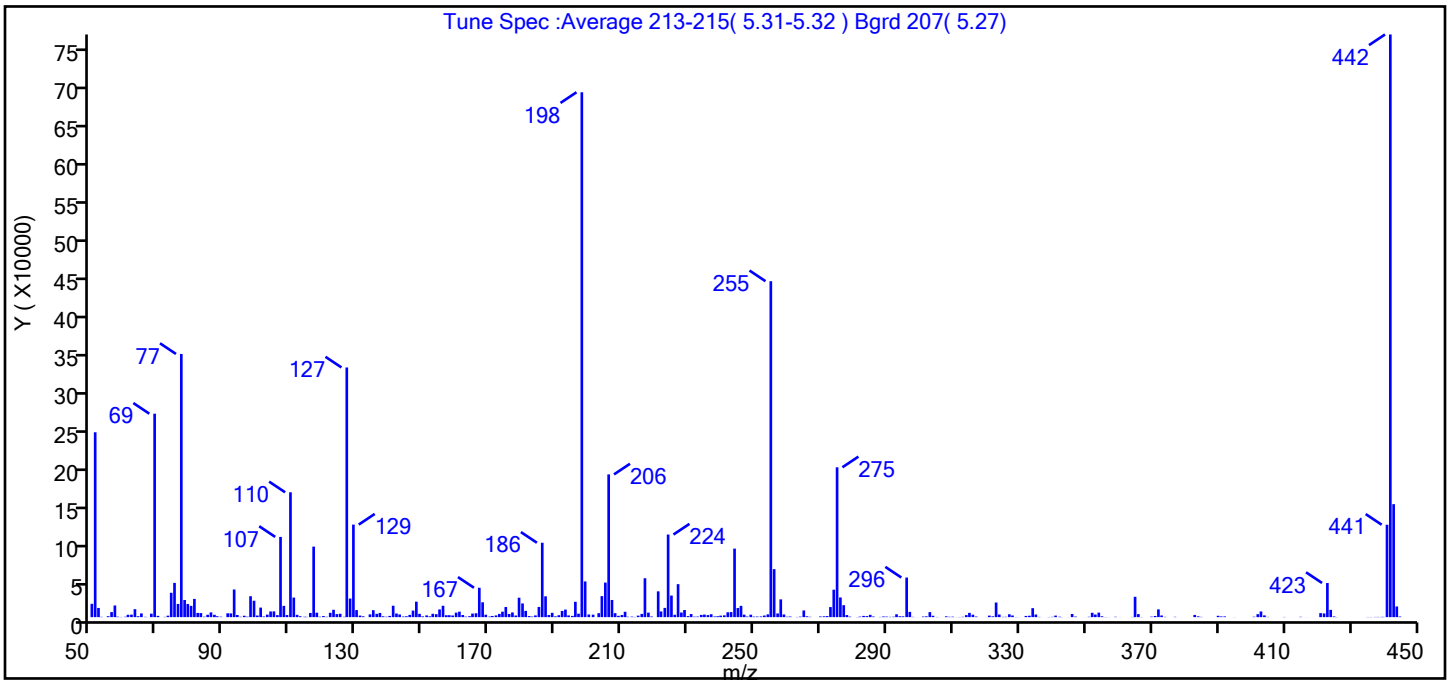
MSS_RVDFTPP_00013 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0950.D
Injection Date: 25-Apr-2023 05:46:32 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 (90.1)
51	10-80% of the base peak	35.2
68	<2% of mass 69	0.7 (1.7)
69	Present	38.8
70	<2% of mass 69	0.2 (0.6)
127	10-80% of the base peak	47.6
197	<2% of mass 198	0.7
199	5-9% of mass 198	6.8
275	10-60% of the base peak	28.6
365	>1% of mass 198	3.9
441	present but <24% of mass 442	17.6 (15.9)
442	base peak, or >50% of 198	111.0
443	15-24% of mass 442	21.5 (19.4)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0950.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 25-Apr-2023 05:46:32
Spectrum: Tune Spec :Average 213-215(5.31-5.32) Bgrd 207(5.27)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 335

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	17504	136.00	4312	222.00	7492	313.00	451
51.00	242624	137.00	5535	223.00	12131	314.00	2649
52.00	12071	138.00	1093	224.00	108416	315.00	5603
53.00	409	139.00	533	225.00	28312	316.00	3233
55.00	1238	140.00	1627	226.00	3122	317.00	767
56.00	6633	141.00	14955	227.00	43288	320.00	78
57.00	15313	142.00	4780	228.00	6052	321.00	2015
58.00	619	143.00	3529	229.00	9354	322.00	1058
59.00	249	144.00	785	230.00	1345	323.00	19200
60.00	515	145.00	1145	231.00	4080	324.00	3443
61.00	3106	146.00	2957	232.00	627	325.00	363
62.00	3296	147.00	8595	233.00	754	326.00	468
63.00	10459	148.00	20312	234.00	2945	327.00	3760
64.00	1223	149.00	4354	235.00	3390	328.00	2161
65.00	4917	150.00	1024	236.00	2654	329.00	215
66.00	406	151.00	2302	237.00	3810	330.00	82
67.00	75	152.00	1055	238.00	858	332.00	1599
68.00	4554	153.00	4410	239.00	1183	333.00	1866
69.00	267008	154.00	3885	240.00	1989	334.00	11798
70.00	1676	155.00	10125	241.00	2373	335.00	3416
72.00	328	156.00	14908	242.00	6359	336.00	335
73.00	1934	157.00	2515	243.00	6664	337.00	58
74.00	31976	158.00	2567	244.00	89952	339.00	242
75.00	44960	159.00	2170	245.00	12038	340.00	405
76.00	17344	160.00	5931	246.00	14812	341.00	2022
77.00	345408	161.00	7226	247.00	3266	342.00	548
78.00	22520	162.00	2769	248.00	758	343.00	172
79.00	17312	163.00	676	249.00	3237	345.00	87
80.00	14818	164.00	1259	250.00	674	346.00	4152
81.00	23896	165.00	4716	251.00	763	347.00	715
82.00	5536	166.00	5120	252.00	909	350.00	55
83.00	5360	167.00	38560	253.00	2114	351.00	484
84.00	599	168.00	19472	254.00	3645	352.00	5738

Report Date: 25-Apr-2023 10:42:23 Chrom Revision: 2.3 20-Apr-2023 08:27:48
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0950.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 25-Apr-2023 05:46:32
Spectrum: Tune Spec :Average 213-215(5.31-5.32) Bgrd 207(5.27)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 335

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	3161	169.00	3165	255.00	440896	353.00	3465
86.00	6234	170.00	769	256.00	63016	354.00	5945
87.00	3083	171.00	1559	257.00	4825	355.00	1143
88.00	1173	172.00	2283	258.00	23336	356.00	208
89.00	587	173.00	4239	259.00	3522	357.00	111
90.00	53	174.00	7174	260.00	558	359.00	468
91.00	5022	175.00	13328	261.00	779	360.00	58
92.00	4906	176.00	4179	263.00	282	364.00	230
93.00	36296	177.00	6181	264.00	641	365.00	26720
94.00	2831	178.00	2107	265.00	8781	366.00	3970
95.00	473	179.00	25496	266.00	1092	367.00	216
96.00	1831	180.00	17992	267.00	438	370.00	660
97.00	590	181.00	8240	269.00	61	371.00	1517
98.00	27472	182.00	1407	270.00	901	372.00	10177
99.00	21552	183.00	739	271.00	1086	373.00	2185
100.00	2144	184.00	2264	272.00	1400	374.00	383
101.00	12527	185.00	13366	273.00	13233	377.00	427
102.00	840	186.00	97648	274.00	36016	383.00	2869
103.00	3298	187.00	27328	275.00	196672	384.00	1045
104.00	7483	188.00	2780	276.00	25840	385.00	333
105.00	7596	189.00	5657	277.00	15703	390.00	1761
106.00	2640	190.00	1029	278.00	2725	391.00	918
107.00	105304	191.00	2527	279.00	693	392.00	949
108.00	14788	192.00	8149	281.00	185	395.00	133
109.00	2728	193.00	9915	282.00	710	401.00	572
110.00	163840	194.00	2274	283.00	1640	402.00	3890
111.00	25688	195.00	1633	284.00	1372	403.00	7467
112.00	3041	196.00	20152	285.00	3039	404.00	2272
113.00	1181	197.00	4512	286.00	784	405.00	311
114.00	514	198.00	688832	288.00	280	410.00	270
115.00	393	199.00	46848	289.00	862	415.00	435
116.00	5499	200.00	3498	290.00	680	416.00	54
117.00	92568	201.00	3245	291.00	406	417.00	66
118.00	5855	203.00	5218	292.00	586	421.00	5299

Report Date: 25-Apr-2023 10:42:23 Chrom Revision: 2.3 20-Apr-2023 08:27:48
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0950.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 25-Apr-2023 05:46:32
Spectrum: Tune Spec :Average 213-215(5.31-5.32) Bgrd 207(5.27)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 335

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	565	204.00	27584	293.00	3755	422.00	4872
120.00	1440	205.00	45384	294.00	1172	423.00	44840
121.00	496	206.00	187328	295.00	1034	424.00	9539
122.00	5692	207.00	22528	296.00	51976	425.00	902
123.00	9663	208.00	5225	297.00	6929	426.00	176
124.00	3985	209.00	1752	298.00	371	435.00	226
125.00	4418	210.00	2770	299.00	53	436.00	222
126.00	467	211.00	7038	301.00	772	437.00	277
127.00	327680	212.00	541	302.00	1041	438.00	328
128.00	24416	213.00	706	303.00	6597	439.00	297
129.00	121464	214.00	258	304.00	1806	440.00	349
130.00	9266	215.00	1991	305.00	264	441.00	121264
131.00	2053	216.00	4244	308.00	1076	442.00	764672
132.00	1097	217.00	51056	309.00	456	443.00	148288
133.00	24	218.00	5903	310.00	616	444.00	14004
134.00	3650	219.00	827	311.00	86	445.00	813
135.00	9136	221.00	33864	312.00	227		

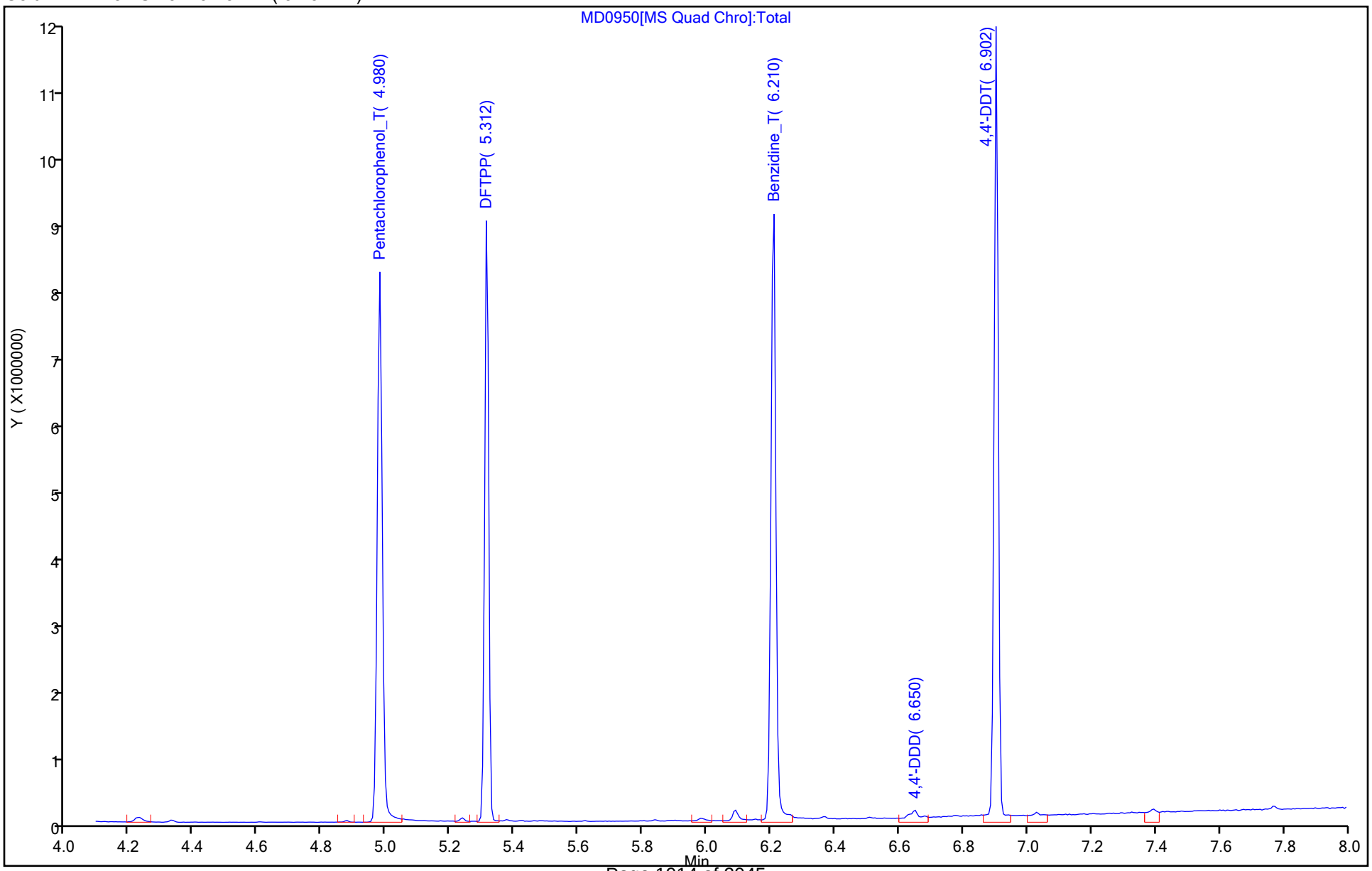
Report Date: 25-Apr-2023 10:42:23 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0950.D

Injection Date:	25-Apr-2023 05:46:32	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\20230425-82279.b\MD0950.D
Injection Date: 25-Apr-2023 05:46:32 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

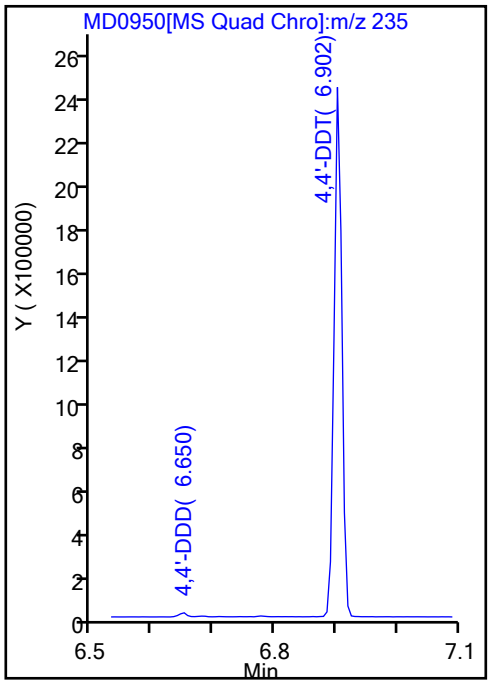
49 4,4'-DDT, Detector: MS Quad

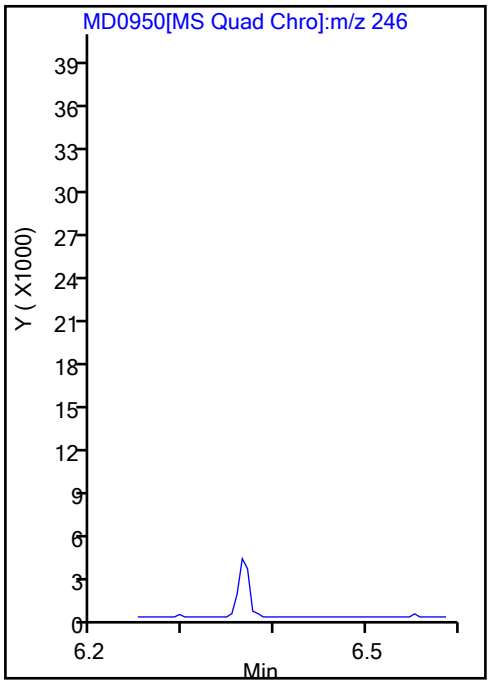
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 2132166
47 4,4'-DDE, Area = 3408
48 4,4'-DDD, Area = 20662

%Breakdown: 1.12%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

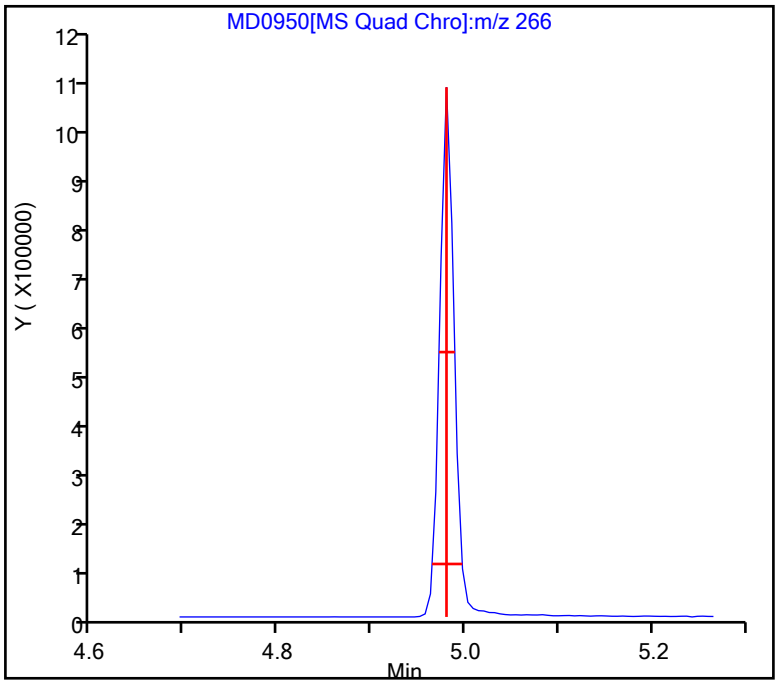
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0950.D
Injection Date: 25-Apr-2023 05:46:32 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.13, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

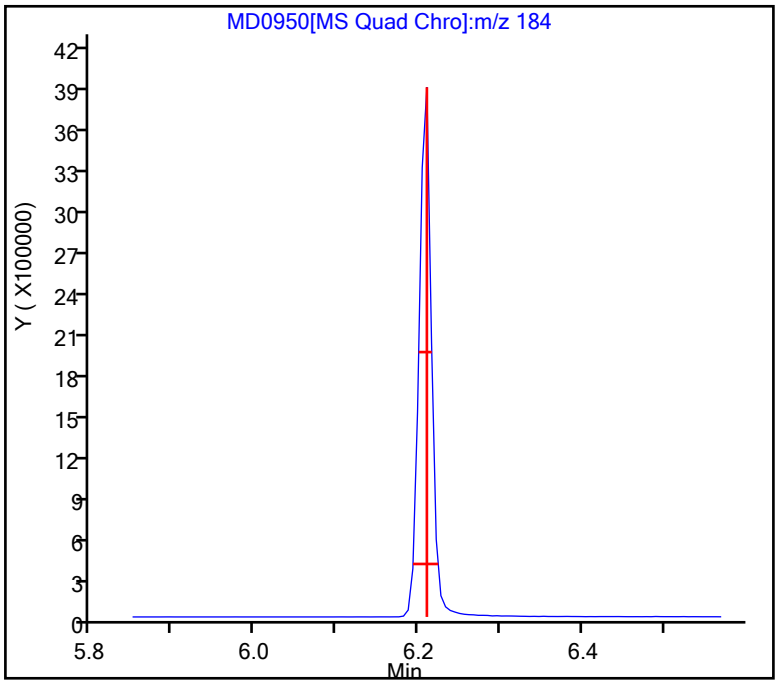
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0950.D
Injection Date: 25-Apr-2023 05:46:32 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.82, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1050.D
Lims ID: DFTPP DL
Client ID:
Sample Type: DFTPP
Inject. Date: 27-Apr-2023 03:16:36 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0082514-001
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 27-Apr-2023 04:59:32 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: UJM0 Date: 27-Apr-2023 04:59:32

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	4.980	4.980	0.000	0	1235385	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.210	6.210	0.000	0	3692445	NR	NR	
48 4,4'-DDD	235	6.651	6.651	0.000	0	66104		NR	
49 4,4'-DDT	235	6.908	6.908	0.000	0	2006360	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

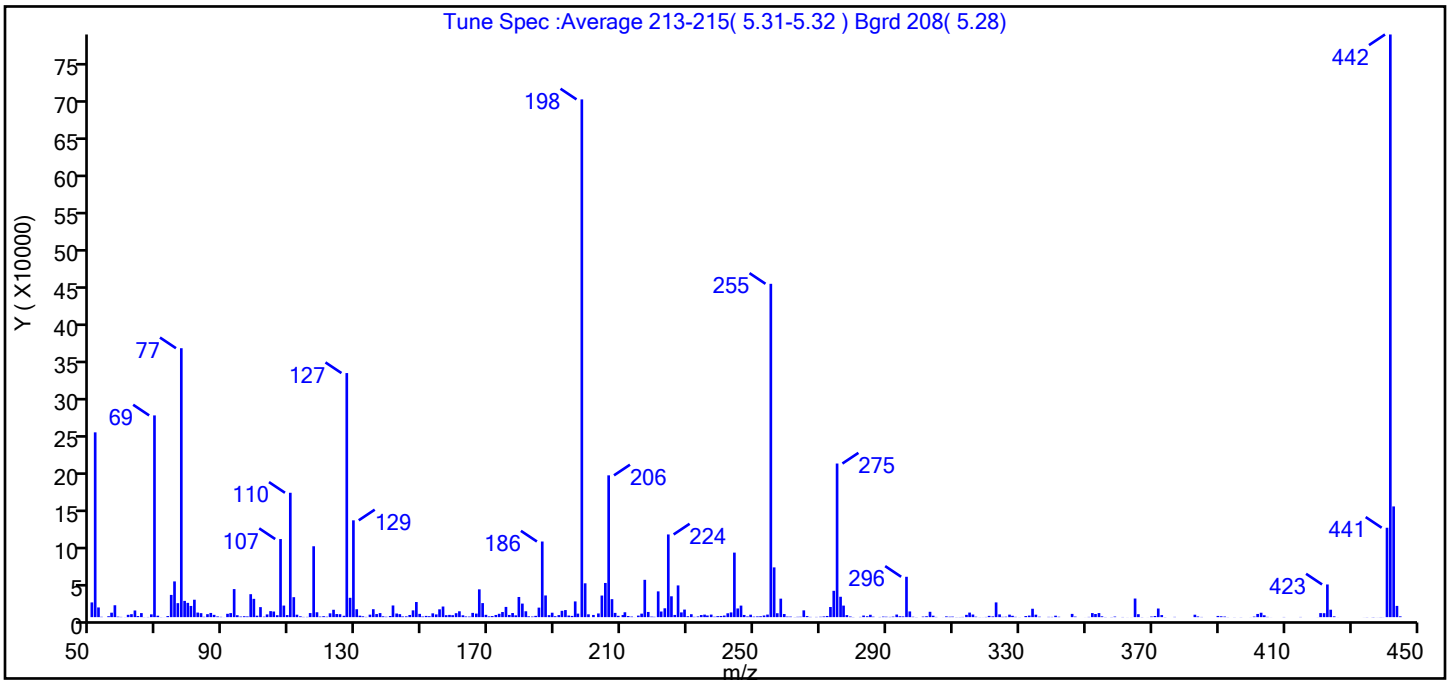
MSS_RVDFTPP_00013 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1050.D
Injection Date: 27-Apr-2023 03:16:36 Instrument ID: HP21585
Lims ID: DFTPP DL
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 (88.9)
51	10-80% of the base peak	35.7
68	<2% of mass 69	0.5 (1.4)
69	Present	39.0
70	<2% of mass 69	0.3 (0.7)
127	10-80% of the base peak	47.1
197	<2% of mass 198	0.7
199	5-9% of mass 198	6.5
275	10-60% of the base peak	29.7
365	>1% of mass 198	3.6
441	present but <24% of mass 442	17.3 (15.3)
442	base peak, or >50% of 198	112.5
443	15-24% of mass 442	21.4 (19.0)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1050.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 27-Apr-2023 03:16:36
Spectrum: Tune Spec :Average 213-215(5.31-5.32) Bgrd 208(5.28)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 344

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	19856	137.00	5477	224.00	111528	315.00	6133
51.00	249216	138.00	1153	225.00	28128	316.00	3542
52.00	13091	139.00	544	226.00	2979	317.00	628
53.00	471	140.00	1515	227.00	42784	318.00	132
55.00	1225	141.00	15745	228.00	6396	319.00	76
56.00	6005	142.00	4901	229.00	10207	320.00	280
57.00	16042	143.00	4045	230.00	1210	321.00	1716
58.00	703	144.00	977	231.00	3948	322.00	1010
59.00	329	145.00	1071	232.00	422	323.00	19888
60.00	99	146.00	2912	233.00	956	324.00	3733
61.00	3145	147.00	9153	234.00	2847	325.00	425
62.00	4004	148.00	20400	235.00	3408	326.00	619
63.00	8997	149.00	4413	236.00	2207	327.00	3378
64.00	1453	150.00	890	237.00	3434	328.00	1820
65.00	5468	151.00	1678	238.00	571	329.00	426
66.00	128	152.00	1256	239.00	1383	330.00	98
67.00	246	153.00	5131	240.00	1602	332.00	1489
68.00	3752	154.00	3687	241.00	2145	333.00	2105
69.00	272064	155.00	10554	242.00	5218	334.00	11323
70.00	1918	156.00	14323	243.00	6367	335.00	3315
71.00	174	157.00	2632	244.00	87032	336.00	615
72.00	63	158.00	3026	245.00	11729	339.00	376
73.00	1461	159.00	2654	246.00	15566	340.00	332
74.00	29992	160.00	5329	247.00	2945	341.00	1938
75.00	48192	161.00	7911	248.00	933	342.00	536
76.00	18880	162.00	2456	249.00	3314	346.00	4385
77.00	362688	163.00	914	250.00	678	347.00	749
78.00	21928	164.00	773	251.00	979	350.00	56
79.00	19256	165.00	5746	252.00	1185	351.00	330
80.00	15109	166.00	4798	253.00	2225	352.00	5462
81.00	23480	167.00	37480	254.00	3454	353.00	4250
82.00	6155	168.00	18928	255.00	449536	354.00	5509
83.00	5382	169.00	3130	256.00	67104	355.00	1121

Report Date: 27-Apr-2023 04:59:32 Chrom Revision: 2.3 20-Apr-2023 08:27:48
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1050.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 27-Apr-2023 03:16:36
Spectrum: Tune Spec :Average 213-215(5.31-5.32) Bgrd 208(5.28)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 344

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	464	170.00	1035	257.00	5280	356.00	214
85.00	3991	171.00	1467	258.00	24944	358.00	210
86.00	5664	172.00	2952	259.00	4212	359.00	786
87.00	3092	173.00	4508	260.00	759	361.00	228
88.00	981	174.00	6915	261.00	743	363.00	85
89.00	401	175.00	13791	262.00	159	364.00	79
90.00	69	176.00	2952	263.00	446	365.00	25096
91.00	4519	177.00	5552	264.00	542	366.00	3986
92.00	5452	178.00	2392	265.00	9152	367.00	200
93.00	37848	179.00	27192	266.00	1434	369.00	57
94.00	2581	180.00	18280	267.00	324	370.00	830
95.00	793	181.00	7928	269.00	304	371.00	1553
96.00	1219	182.00	1104	270.00	537	372.00	11626
97.00	945	183.00	794	271.00	964	373.00	2762
98.00	30960	184.00	1721	272.00	1585	374.00	192
99.00	24672	185.00	12843	273.00	13667	377.00	346
100.00	1972	186.00	102000	274.00	35512	383.00	3280
101.00	13507	187.00	29248	275.00	207168	384.00	959
102.00	665	188.00	2662	276.00	27472	385.00	279
103.00	3679	189.00	5972	277.00	15561	390.00	1625
104.00	8102	190.00	1242	278.00	2730	391.00	1171
105.00	7601	191.00	2741	279.00	830	392.00	803
106.00	2603	192.00	8543	280.00	210	393.00	141
107.00	105320	193.00	9534	282.00	322	395.00	131
108.00	15615	194.00	2162	283.00	2157	397.00	148
109.00	2793	195.00	1671	284.00	1205	400.00	68
110.00	167744	196.00	21208	285.00	3198	401.00	754
111.00	26928	197.00	4738	286.00	634	402.00	4313
112.00	3309	198.00	698240	288.00	263	403.00	5937
113.00	1146	199.00	45632	289.00	758	404.00	2523
114.00	317	200.00	3809	290.00	583	405.00	362
115.00	349	201.00	2961	291.00	330	406.00	72
116.00	5500	203.00	4980	292.00	755	410.00	239
117.00	95600	204.00	29136	293.00	3503	415.00	266

Report Date: 27-Apr-2023 04:59:32 Chrom Revision: 2.3 20-Apr-2023 08:27:48
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1050.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 27-Apr-2023 03:16:36
Spectrum: Tune Spec :Average 213-215(5.31-5.32) Bgrd 208(5.28)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 344

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	6591	205.00	46104	294.00	1166	420.00	73
119.00	754	206.00	191232	295.00	954	421.00	5445
120.00	1293	207.00	24248	296.00	54440	422.00	5354
121.00	603	208.00	5741	297.00	7702	423.00	44080
122.00	5162	209.00	1807	298.00	589	424.00	10023
123.00	9954	210.00	2824	299.00	171	425.00	1056
124.00	4174	211.00	6584	301.00	766	426.00	65
125.00	3959	212.00	1479	302.00	1223	434.00	60
126.00	1813	213.00	770	303.00	7223	435.00	160
127.00	329152	214.00	64	304.00	1926	437.00	149
128.00	26088	215.00	2083	305.00	299	437.00	157
129.00	130568	216.00	4734	307.00	52	438.00	82
130.00	10681	217.00	50328	308.00	1059	439.00	198
131.00	1974	218.00	7004	309.00	591	440.00	108
132.00	1155	219.00	723	310.00	727	441.00	120568
133.00	337	220.00	459	311.00	178	442.00	785792
134.00	3344	221.00	34768	312.00	210	443.00	149312
135.00	10720	222.00	7587	313.00	315	444.00	15165
136.00	4178	223.00	11946	314.00	3080	445.00	1043

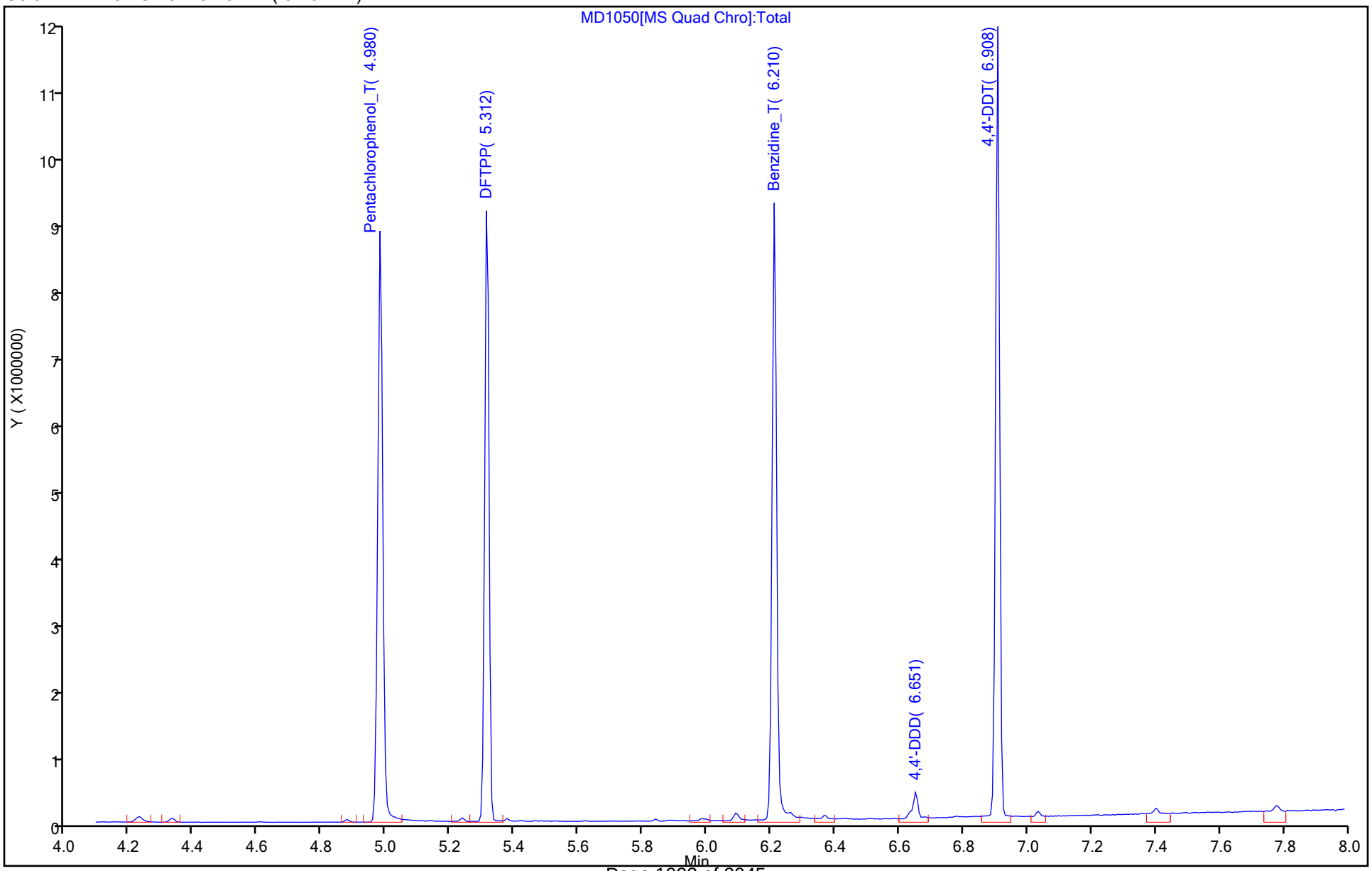
Report Date: 27-Apr-2023 04:59:32 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1050.D

Injection Date:	27-Apr-2023 03:16:36	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	DFTPP DL			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)

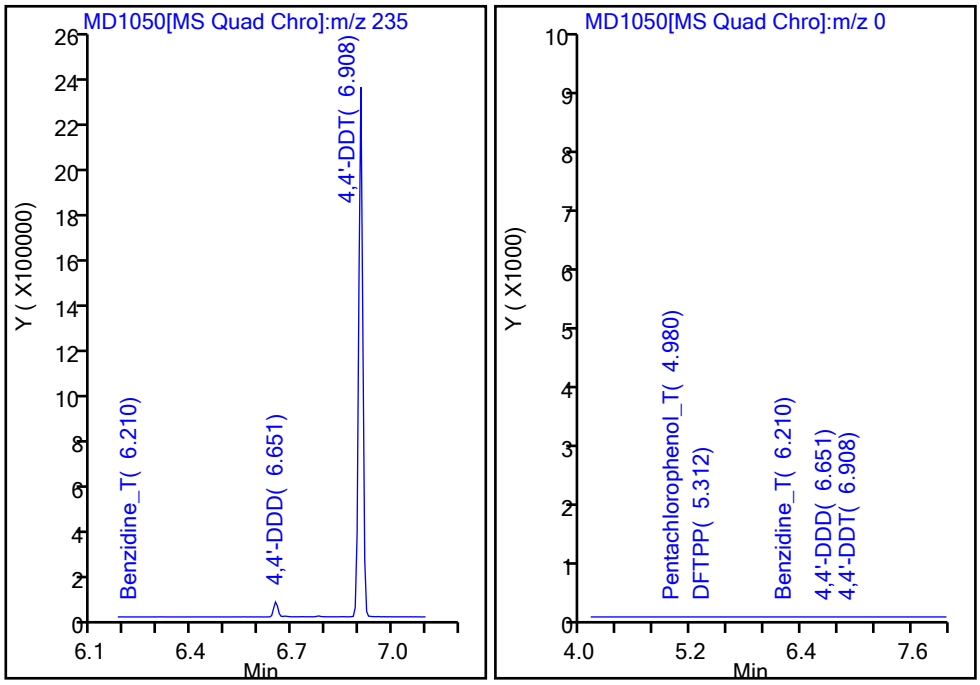


Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1050.D				
Injection Date:	27-Apr-2023 03:16:36	Instrument ID:	HP21585		
Lims ID:	DFTPP DL				
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 = 2006360
47 4,4'-DDE, Area = 0
48 4,4'-DDD, Area = 66104

%Breakdown: 3.19%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

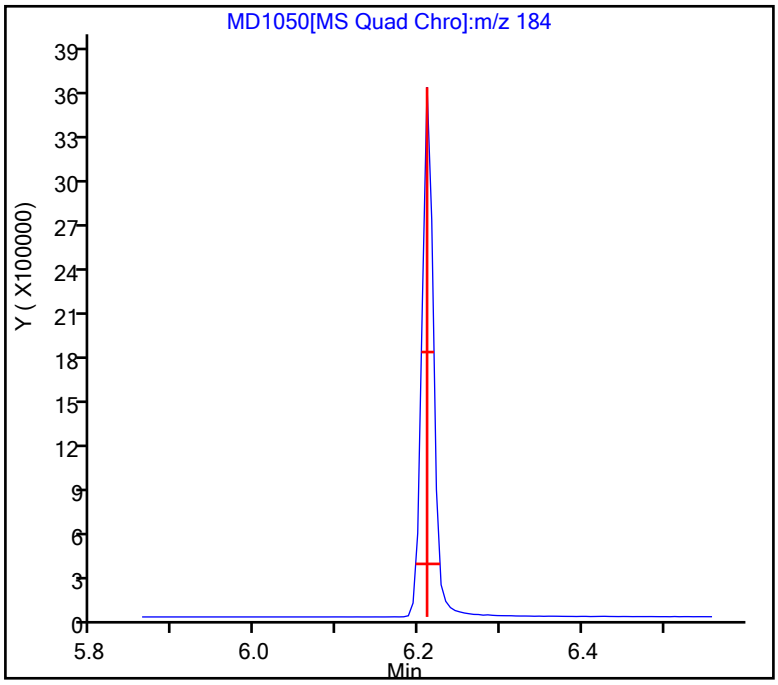
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1050.D
Injection Date: 27-Apr-2023 03:16:36 Instrument ID: HP21585
Lims ID: DFTPP DL
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.14, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

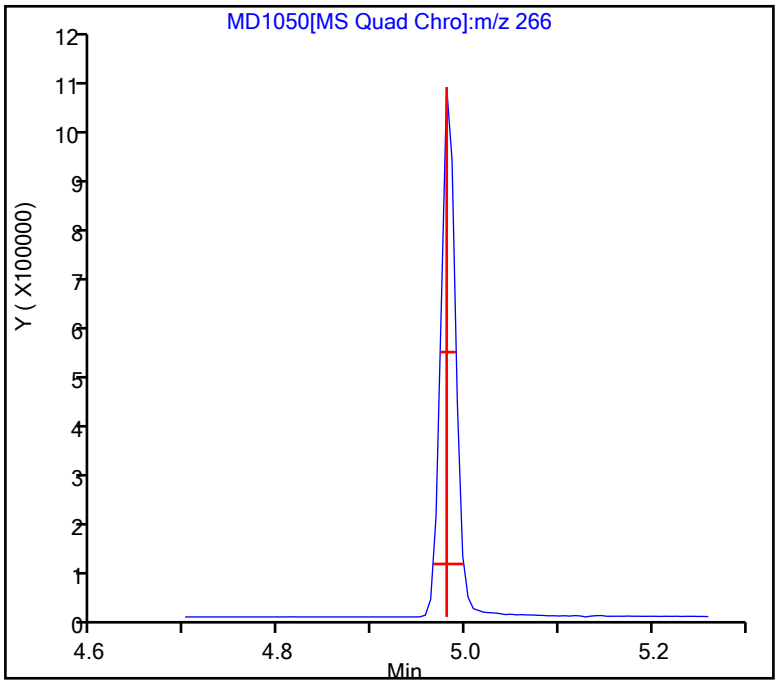
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230427-82514.b\MD1050.D
Injection Date: 27-Apr-2023 03:16:36 Instrument ID: HP21585
Lims ID: DFTPP DL
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.20, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1160.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 30-May-2023 04:34:01 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0085260-001
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 30-May-2023 05:12:01 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: UJM0 Date: 30-May-2023 05:12:01

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	4.940	4.940	0.000	0	775544	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.170	6.170	0.000	0	2707863	NR	NR	
47 4,4'-DDE	246	6.324	6.324	0.000	0	4506		NR	
48 4,4'-DDD	235	6.605	6.605	0.000	0	16439		NR	
49 4,4'-DDT	235	6.857	6.857	0.000	0	1790582	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

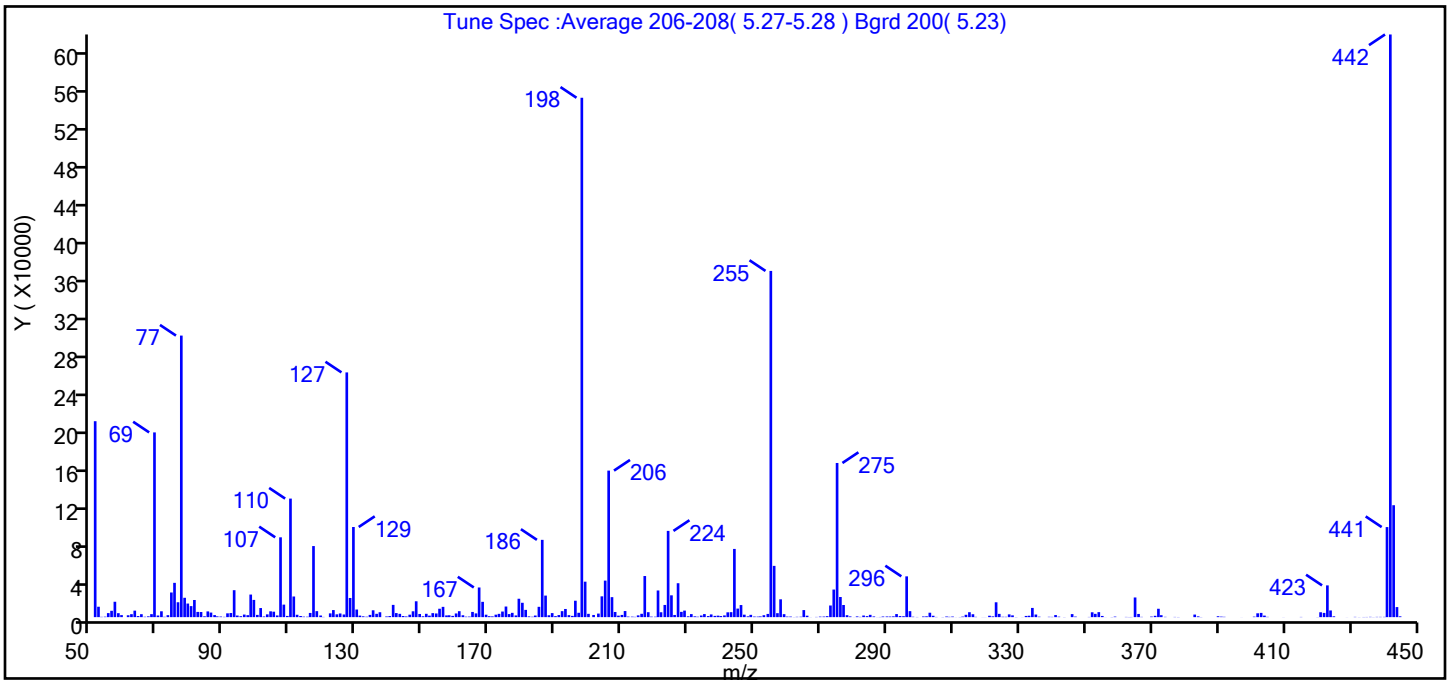
MSS_RVDFTPP_00013 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1160.D
Injection Date: 30-May-2023 04:34:01 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 (89.1)
51	10-80% of the base peak	37.7
68	<2% of mass 69	0.6 (1.6)
69	Present	35.6
70	<2% of mass 69	0.3 (0.9)
127	10-80% of the base peak	47.1
197	<2% of mass 198	0.8
199	5-9% of mass 198	6.8
275	10-60% of the base peak	29.7
365	>1% of mass 198	3.8
441	present but <24% of mass 442	17.3 (15.5)
442	base peak, or >50% of 198	112.2
443	15-24% of mass 442	21.5 (19.2)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1160.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 30-May-2023 04:34:01
Spectrum: Tune Spec :Average 206-208(5.27-5.28) Bgrd 200(5.23)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
51.00	207104	139.00	719	225.00	23064	313.00	566
52.00	10998	140.00	1123	226.00	2307	314.00	2489
53.00	318	141.00	12957	227.00	35856	315.00	5210
54.00	497	142.00	4300	228.00	5573	316.00	3079
55.00	4263	143.00	3504	229.00	6921	317.00	308
56.00	6705	144.00	1182	230.00	875	319.00	74
57.00	16264	145.00	711	231.00	3208	320.00	71
58.00	4191	146.00	2588	232.00	838	321.00	1479
59.00	2145	147.00	6197	233.00	451	322.00	810
61.00	1982	148.00	16776	234.00	1723	323.00	15716
62.00	3132	149.00	3354	235.00	3250	324.00	3447
63.00	6878	150.00	917	236.00	1133	325.00	390
64.00	1151	151.00	3537	237.00	2866	326.00	353
65.00	3123	152.00	1585	238.00	1334	327.00	2928
66.00	414	153.00	4242	239.00	1574	328.00	1872
67.00	847	154.00	3892	240.00	1166	329.00	142
68.00	3164	155.00	8888	241.00	1809	331.00	70
69.00	195264	156.00	10874	242.00	5094	332.00	1281
70.00	1734	157.00	1812	243.00	5268	333.00	1478
71.00	6203	158.00	1983	244.00	72104	334.00	9742
72.00	373	159.00	1339	245.00	9042	335.00	2759
73.00	2070	160.00	3897	246.00	12784	336.00	509
74.00	26056	161.00	6289	247.00	2603	339.00	356
75.00	36248	162.00	1977	248.00	846	340.00	274
76.00	15736	163.00	493	249.00	2440	341.00	2191
77.00	297600	164.00	586	250.00	602	342.00	496
78.00	20456	165.00	5501	251.00	548	344.00	122
79.00	14366	166.00	3967	252.00	738	346.00	3214
80.00	11660	167.00	31360	253.00	2047	347.00	571
81.00	18128	168.00	16181	254.00	3407	351.00	216
82.00	5534	169.00	2583	255.00	365952	352.00	5138
83.00	5420	170.00	1016	256.00	54184	353.00	3479
84.00	871	171.00	795	257.00	4192	354.00	5278

Report Date: 30-May-2023 05:12:02 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1160.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 30-May-2023 04:34:01
Spectrum: Tune Spec :Average 206-208(5.27-5.28) Bgrd 200(5.23)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	6069	172.00	2616	258.00	18856	355.00	1264
86.00	4827	173.00	3475	259.00	3158	356.00	62
87.00	2180	174.00	5928	260.00	590	358.00	146
88.00	817	175.00	11221	261.00	594	359.00	573
89.00	632	176.00	3235	262.00	114	362.00	231
90.00	304	177.00	4547	263.00	337	363.00	168
91.00	4026	178.00	1793	264.00	436	364.00	190
92.00	4346	179.00	19448	265.00	7460	365.00	20792
93.00	28488	180.00	15183	266.00	1528	366.00	3383
94.00	1707	181.00	7676	267.00	82	367.00	286
95.00	1008	182.00	794	269.00	223	370.00	613
96.00	2733	183.00	429	270.00	563	371.00	1409
97.00	2080	184.00	1701	271.00	612	372.00	8861
98.00	23872	185.00	10910	272.00	1018	373.00	2065
99.00	18216	186.00	81696	273.00	12307	374.00	307
100.00	2383	187.00	22776	274.00	29168	377.00	223
101.00	9610	188.00	1976	275.00	162944	378.00	165
102.00	713	189.00	4284	276.00	21296	383.00	2719
103.00	2929	190.00	1061	277.00	12839	384.00	808
104.00	6153	191.00	2184	278.00	2046	385.00	158
105.00	5771	192.00	6325	279.00	764	390.00	956
106.00	1794	193.00	8637	280.00	68	391.00	538
107.00	84376	194.00	2106	281.00	782	392.00	351
108.00	13234	195.00	1333	282.00	262	397.00	50
109.00	1292	196.00	17352	283.00	1712	401.00	527
110.00	125304	197.00	4601	284.00	1079	402.00	4065
111.00	21824	198.00	548992	285.00	2448	403.00	4483
112.00	2521	199.00	37488	286.00	731	404.00	1629
113.00	1223	200.00	3490	287.00	80	405.00	305
114.00	534	201.00	2299	288.00	198	410.00	67
115.00	447	203.00	3764	289.00	661	415.00	222
116.00	4438	204.00	21992	290.00	699	420.00	114
117.00	75136	205.00	38624	291.00	636	421.00	5154
118.00	6333	206.00	154880	292.00	830	422.00	4466

Report Date: 30-May-2023 05:12:02 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1160.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 30-May-2023 04:34:01
Spectrum: Tune Spec :Average 206-208(5.27-5.28) Bgrd 200(5.23)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	1721	207.00	21128	293.00	3247	423.00	33568
120.00	229	208.00	5457	294.00	1131	424.00	7074
122.00	3996	209.00	1592	295.00	965	425.00	849
123.00	7470	210.00	2341	296.00	43112	429.00	55
124.00	2974	211.00	6444	297.00	6324	431.00	280
125.00	3886	212.00	603	298.00	444	433.00	105
126.00	2814	213.00	517	299.00	189	434.00	172
127.00	258688	214.00	305	301.00	717	435.00	199
128.00	20256	215.00	1876	302.00	871	436.00	302
129.00	95280	216.00	3547	303.00	4668	437.00	107
130.00	8056	217.00	43464	304.00	1454	438.00	273
131.00	1634	218.00	5227	305.00	222	439.00	279
132.00	875	219.00	547	307.00	143	440.00	285
133.00	460	220.00	468	308.00	666	441.00	95192
134.00	2364	221.00	28184	309.00	344	442.00	615872
135.00	7253	222.00	5172	310.00	622	443.00	118304
136.00	3512	223.00	12889	311.00	59	444.00	10631
137.00	5191	224.00	91168	312.00	168	445.00	856

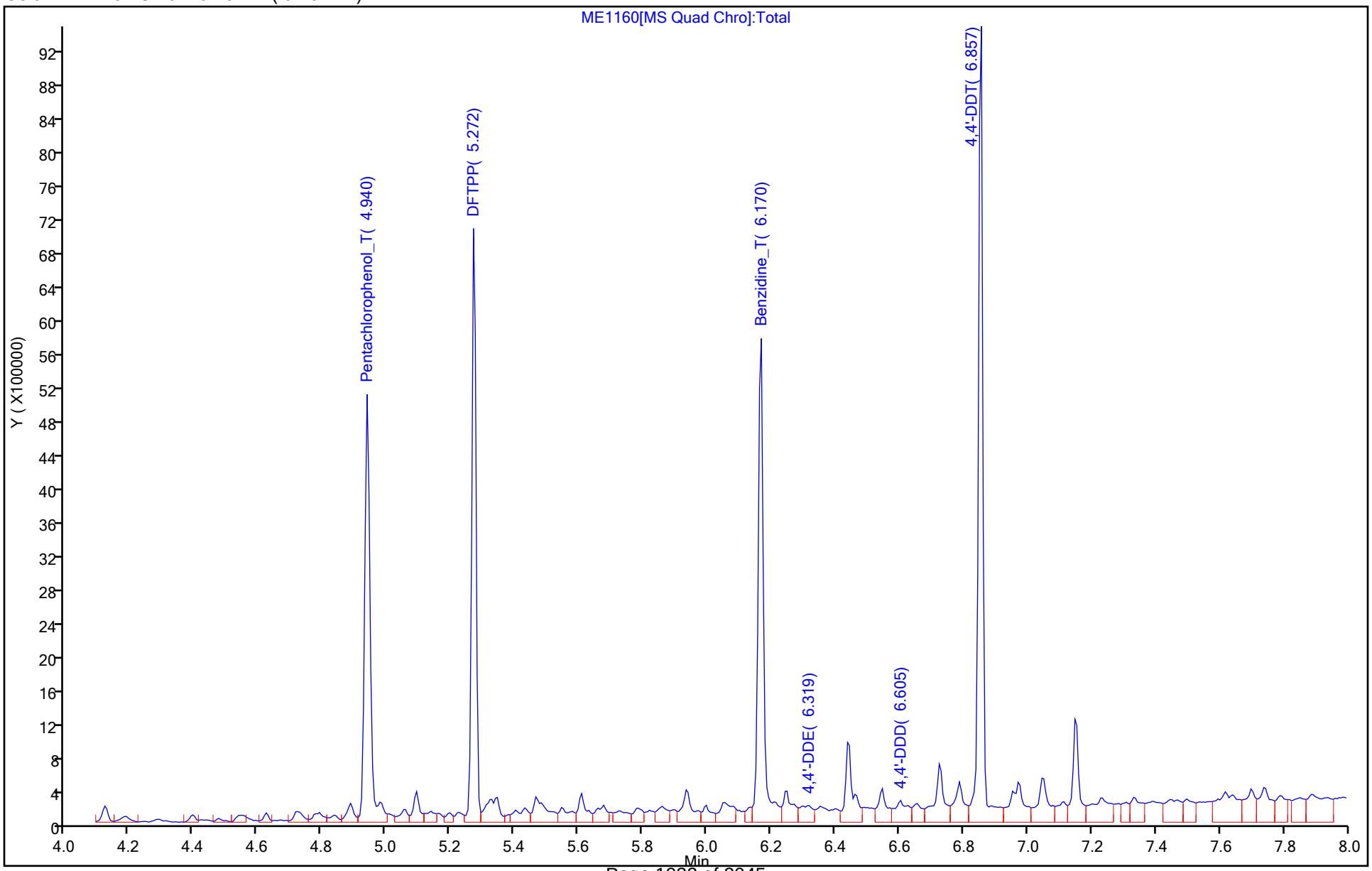
Report Date: 30-May-2023 05:12:02 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1160.D

Injection Date:	30-May-2023 04:34:01	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)

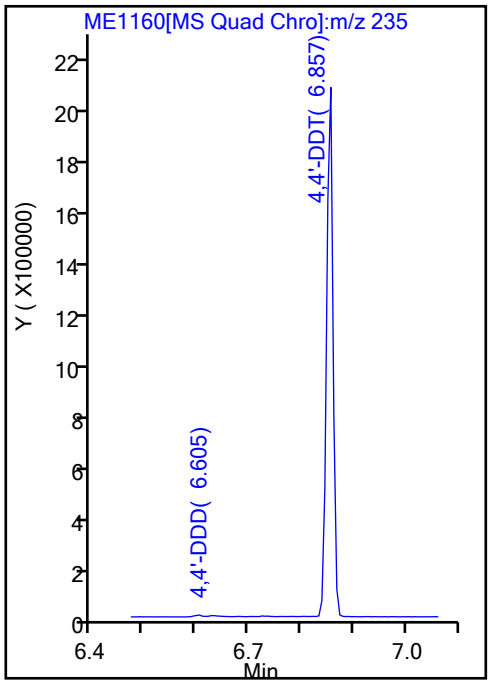


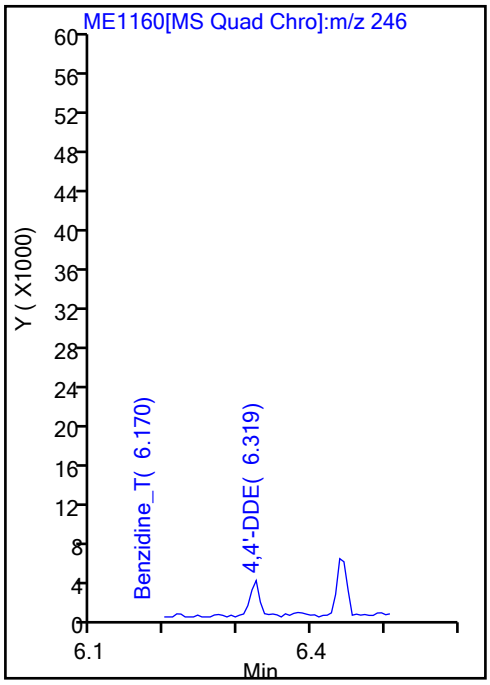
Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1160.D
Injection Date: 30-May-2023 04:34:01 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 = 1790582
47 4,4'-DDE, Area = 4506
48 4,4'-DDD, Area = 16439

%Breakdown: 1.16%, <= 20.00%
Passed

Report Date: 30-May-2023 05:12:02 Chrom Revision: 2.3 23-May-2023 13:55:56

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

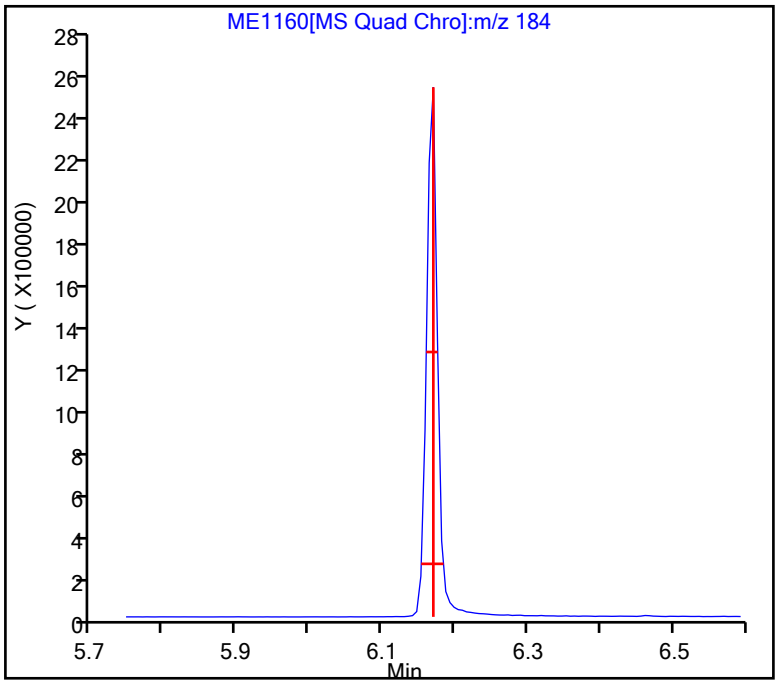
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1160.D
Injection Date: 30-May-2023 04:34:01 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.82, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

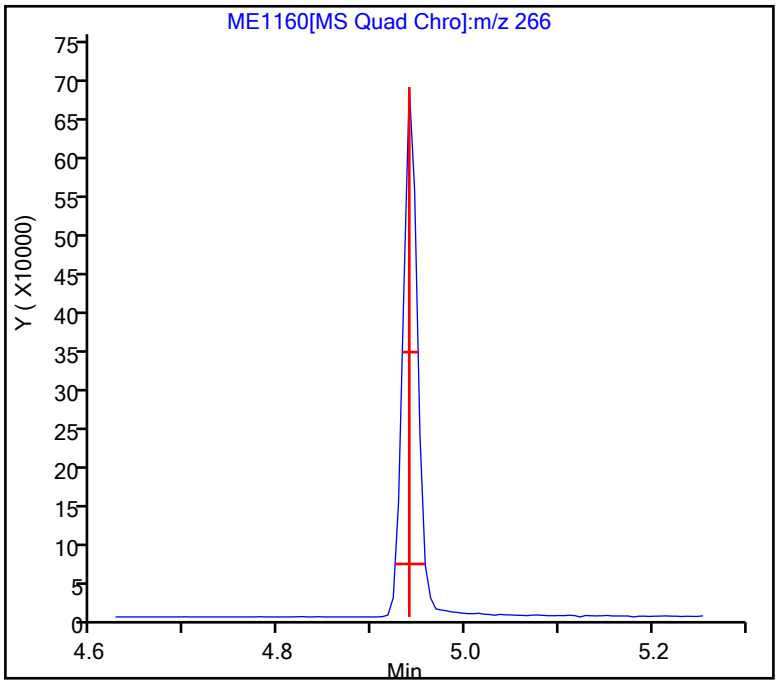
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230530-85260.b\ME1160.D
Injection Date: 30-May-2023 04:34:01 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.13, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0050.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 02-Jun-2023 04:47:43 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0085590-001
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 02-Jun-2023 05:40:39 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: UJM0 Date: 02-Jun-2023 05:00:04

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	4.940	4.940	0.000	0	872781	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.170	6.170	0.000	0	3253758	NR	NR	
47 4,4'-DDE	246	6.325	6.325	0.000	0	4310		NR	
48 4,4'-DDD	235	6.611	6.611	0.000	0	5464		NR	
49 4,4'-DDT	235	6.862	6.862	0.000	0	1762463	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

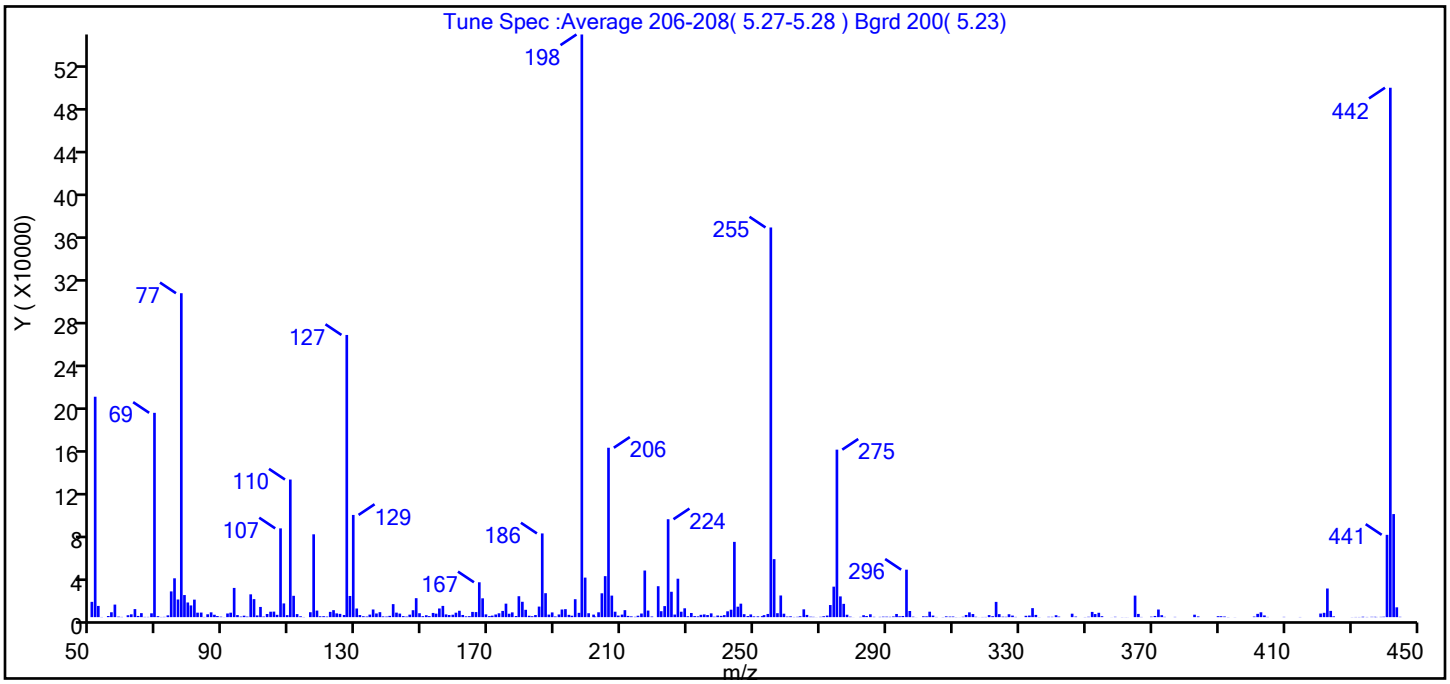
MSS_RVDFTPP_00013 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0050.D
Injection Date: 02-Jun-2023 04:47:43 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 (110.1)
51	10-80% of the base peak	37.8
68	<2% of mass 69	0.7 (1.9)
69	Present	35.1
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	48.4
197	<2% of mass 198	0.7
199	5-9% of mass 198	6.8
275	10-60% of the base peak	28.7
365	>1% of mass 198	3.7
441	present but <24% of mass 442	14.1 (15.5)
442	base peak, or >50% of 198	90.9
443	15-24% of mass 442	17.7 (19.5)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0050.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 02-Jun-2023 04:47:43
Spectrum: Tune Spec :Average 206-208(5.27-5.28) Bgrd 200(5.23)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 338

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	14348	138.00	707	224.00	91888	313.00	355
51.00	206848	139.00	548	225.00	23816	314.00	2051
52.00	10516	140.00	1220	226.00	2427	315.00	4496
53.00	157	141.00	12221	227.00	36064	316.00	2925
55.00	1063	142.00	4235	228.00	5091	317.00	355
56.00	4596	143.00	3353	229.00	8304	318.00	59
57.00	11789	144.00	958	230.00	831	319.00	165
58.00	510	145.00	541	231.00	3907	320.00	195
59.00	214	146.00	2331	232.00	960	321.00	1932
61.00	1767	147.00	6501	233.00	731	322.00	882
62.00	2656	148.00	17800	234.00	2179	323.00	14312
63.00	7551	149.00	3681	235.00	2550	324.00	2823
64.00	1129	150.00	918	236.00	1962	325.00	457
65.00	3764	151.00	1785	237.00	3559	326.00	330
66.00	225	152.00	966	238.00	401	327.00	2728
67.00	234	153.00	3944	239.00	1506	328.00	1451
68.00	3613	154.00	3280	240.00	1201	329.00	228
69.00	191744	155.00	8121	241.00	1889	332.00	1274
70.00	898	156.00	10554	242.00	5482	333.00	1491
71.00	182	157.00	2580	243.00	6975	334.00	8460
72.00	256	158.00	1974	244.00	70640	335.00	2102
73.00	1666	159.00	2269	245.00	9809	336.00	119
74.00	24160	160.00	4172	246.00	12648	339.00	327
75.00	36456	161.00	5987	247.00	2786	340.00	328
76.00	16568	162.00	2028	248.00	1028	341.00	1782
77.00	304000	163.00	736	249.00	2549	342.00	511
78.00	20728	164.00	922	250.00	699	346.00	3242
79.00	13756	165.00	4910	251.00	733	347.00	560
80.00	10991	166.00	4748	252.00	920	350.00	143
81.00	16424	167.00	32720	253.00	1893	351.00	352
82.00	4199	168.00	17664	254.00	2994	352.00	4919
83.00	4301	169.00	2612	255.00	365696	353.00	2920
84.00	190	170.00	973	256.00	54448	354.00	4096

Report Date: 02-Jun-2023 05:40:39 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0050.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 02-Jun-2023 04:47:43
Spectrum: Tune Spec :Average 206-208(5.27-5.28) Bgrd 200(5.23)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 338

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	2685	171.00	1417	257.00	3709	355.00	888
86.00	4509	172.00	2498	258.00	20328	358.00	57
87.00	2236	173.00	3623	259.00	3229	359.00	336
88.00	1020	174.00	5819	260.00	547	361.00	106
89.00	444	175.00	12669	261.00	775	362.00	79
90.00	87	176.00	3190	262.00	178	363.00	57
91.00	3434	177.00	4472	263.00	311	365.00	20200
92.00	4167	178.00	1039	264.00	797	366.00	3026
93.00	27424	179.00	19640	265.00	7345	367.00	191
94.00	1925	180.00	14420	266.00	2101	370.00	452
95.00	539	181.00	6892	267.00	424	371.00	1111
96.00	1372	182.00	1313	268.00	298	372.00	7152
97.00	510	183.00	862	269.00	74	373.00	1822
98.00	21408	184.00	1951	270.00	317	374.00	276
99.00	16912	185.00	9910	271.00	854	377.00	243
100.00	1619	186.00	78568	272.00	1490	383.00	2296
101.00	9574	187.00	22480	273.00	11368	384.00	666
102.00	582	188.00	2383	274.00	28616	390.00	907
103.00	2957	189.00	4432	275.00	157184	391.00	876
104.00	5100	190.00	636	276.00	19464	392.00	599
105.00	5203	191.00	2507	277.00	12474	393.00	135
106.00	2182	192.00	7172	278.00	2267	395.00	86
107.00	83304	193.00	7485	279.00	447	401.00	549
108.00	12873	194.00	2143	280.00	57	402.00	3089
109.00	1885	195.00	1332	282.00	257	403.00	4568
110.00	129144	196.00	16832	283.00	1800	404.00	1613
111.00	20016	197.00	4022	284.00	1037	405.00	212
112.00	2857	198.00	546816	285.00	2699	410.00	259
113.00	820	199.00	37104	286.00	311	415.00	156
114.00	151	200.00	3667	288.00	262	421.00	3382
116.00	4631	201.00	2371	289.00	466	422.00	4053
117.00	77744	202.00	569	290.00	460	423.00	26880
118.00	6163	203.00	4559	291.00	308	424.00	5878
119.00	810	204.00	22392	292.00	654	425.00	722

Report Date: 02-Jun-2023 05:40:39 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0050.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 02-Jun-2023 04:47:43
Spectrum: Tune Spec :Average 206-208(5.27-5.28) Bgrd 200(5.23)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 338

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	896	205.00	38480	293.00	2980	430.00	95
121.00	536	206.00	158976	294.00	790	432.00	176
122.00	4950	207.00	20216	295.00	1087	433.00	163
123.00	6542	208.00	5105	296.00	44552	434.00	192
124.00	3528	209.00	1481	297.00	5764	434.00	363
125.00	3061	210.00	2376	298.00	465	435.00	185
126.00	2019	211.00	6556	299.00	61	436.00	309
127.00	264832	212.00	1159	301.00	797	437.00	301
128.00	19872	213.00	713	302.00	741	438.00	200
129.00	95928	214.00	312	303.00	5116	439.00	275
130.00	8107	215.00	1343	304.00	1465	440.00	411
131.00	1979	216.00	3407	305.00	196	441.00	77248
132.00	872	217.00	43752	307.00	126	442.00	496832
133.00	583	218.00	6177	308.00	748	443.00	96728
134.00	2376	219.00	602	309.00	544	444.00	9211
135.00	7194	221.00	29032	310.00	586	445.00	311
136.00	3452	222.00	5569	311.00	122		
137.00	4660	223.00	10371	312.00	66		

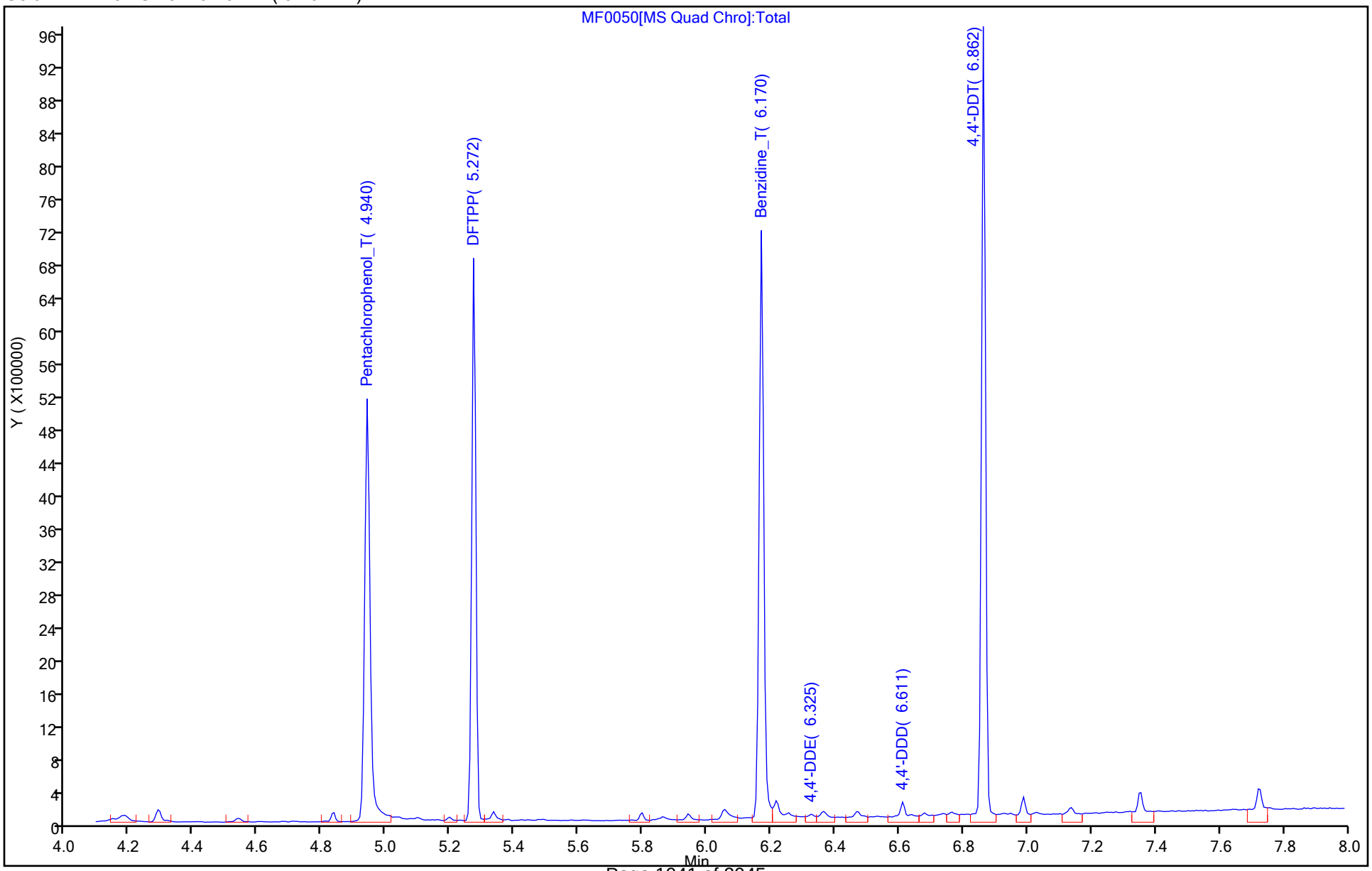
Report Date: 02-Jun-2023 05:40:39 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0050.D

Injection Date:	02-Jun-2023 04:47:43	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)



Report Date: 02-Jun-2023 05:40:39 Chrom Revision: 2.3 23-May-2023 13:55:56

Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0050.D
Injection Date: 02-Jun-2023 04:47:43 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

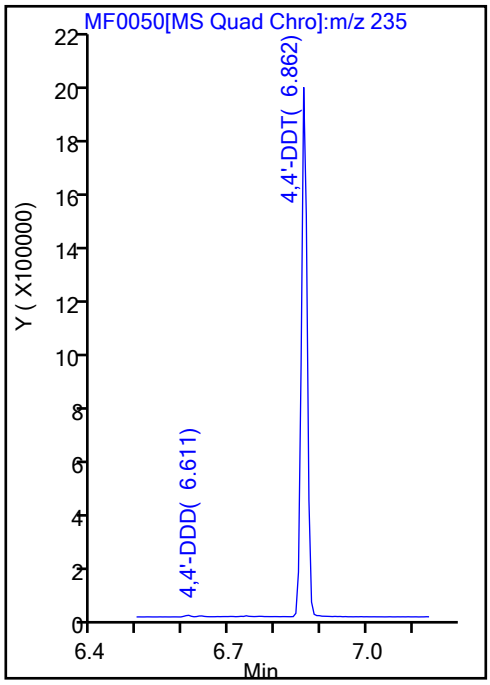
49 4,4'-DDT, Detector: MS Quad

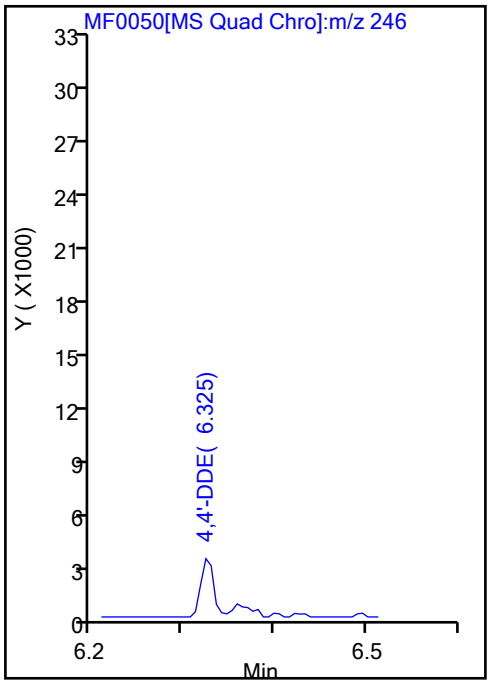
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 1762463
47 4,4'-DDE, Area = 4310
48 4,4'-DDD, Area = 5464

%Breakdown: 0.55%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

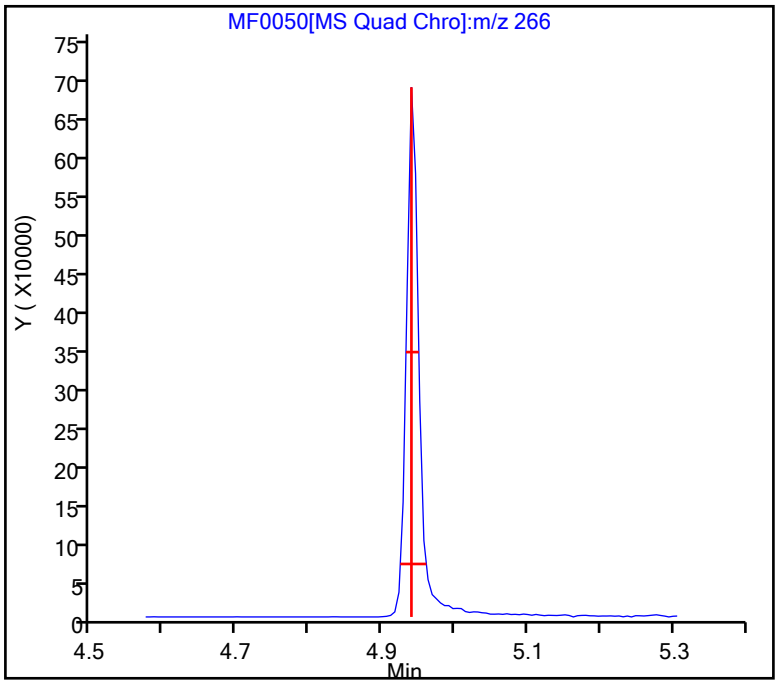
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0050.D
Injection Date: 02-Jun-2023 04:47:43 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.40, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

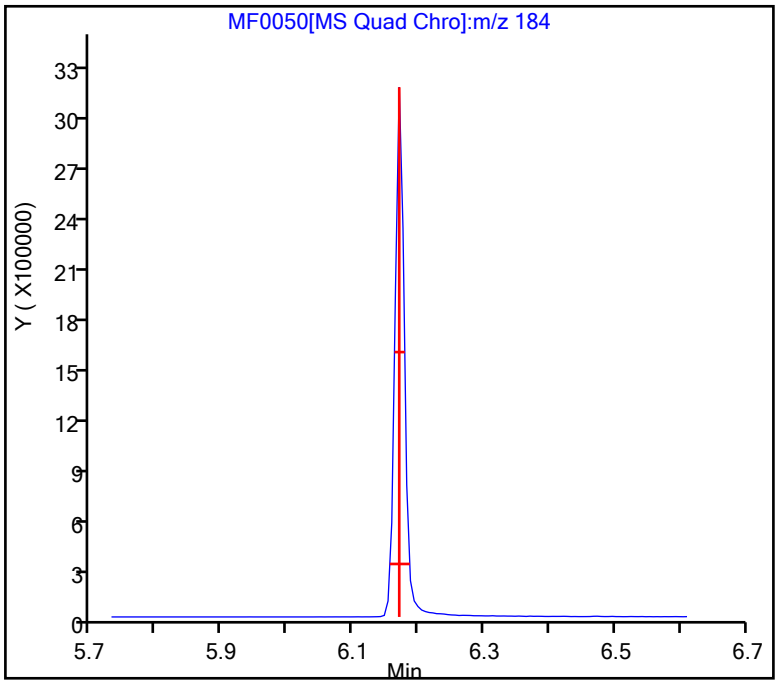
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0050.D
Injection Date: 02-Jun-2023 04:47:43 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.14, 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:

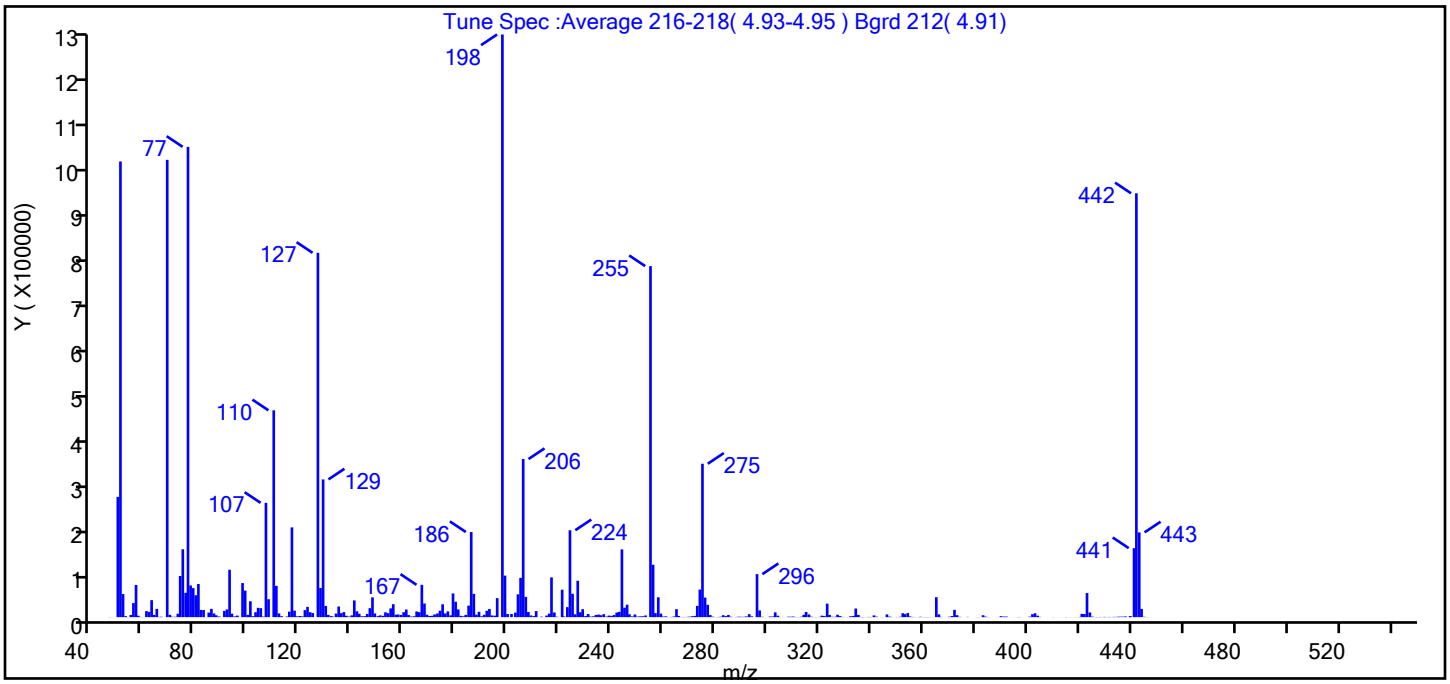
MSS_RVDFTPP_00012 Amount Added: 1.00 Units: mL

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		

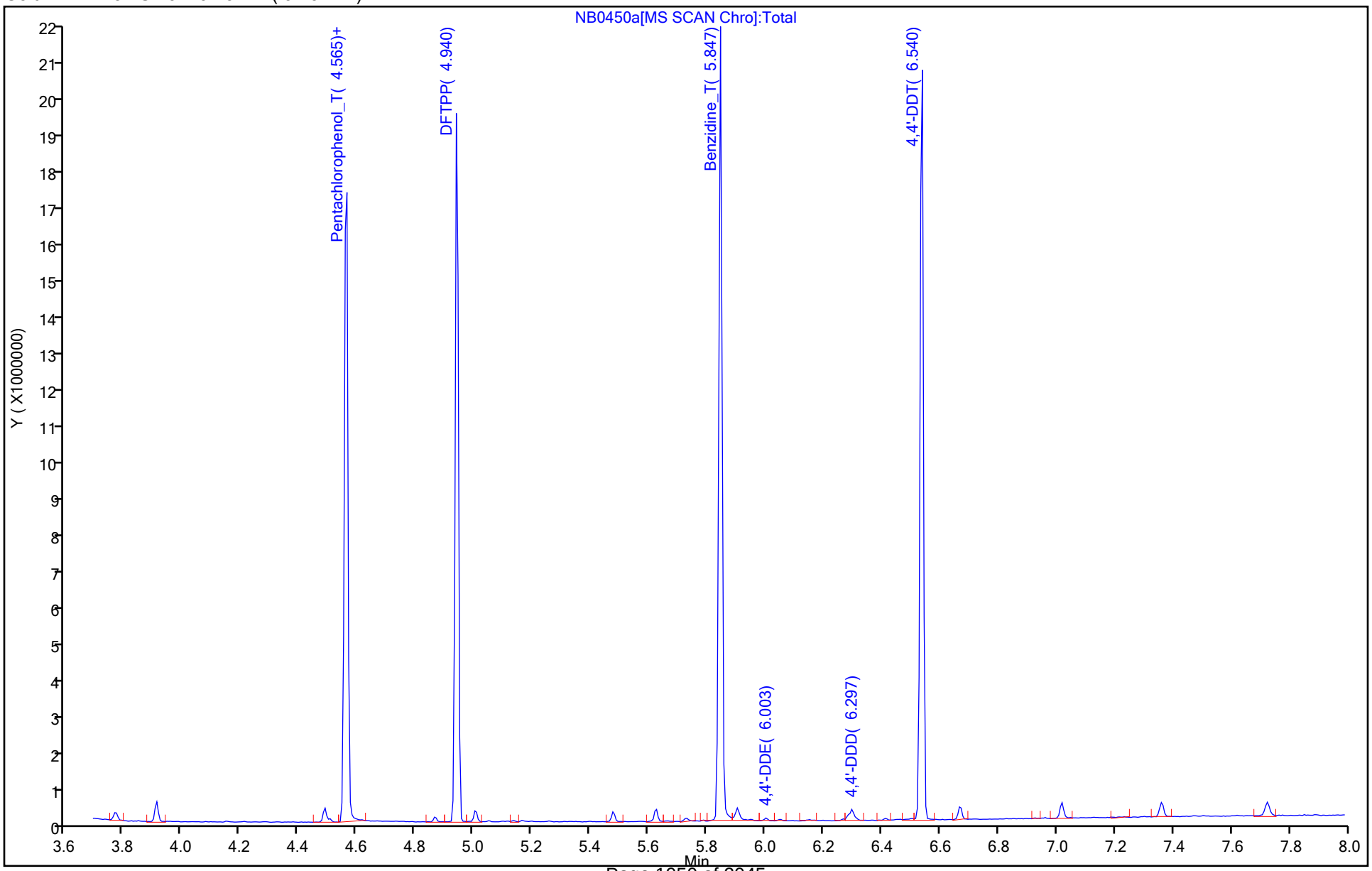
Report Date: 22-Feb-2023 03:35:46 Chrom Revision: 2.3 15-Feb-2023 20:44:50

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

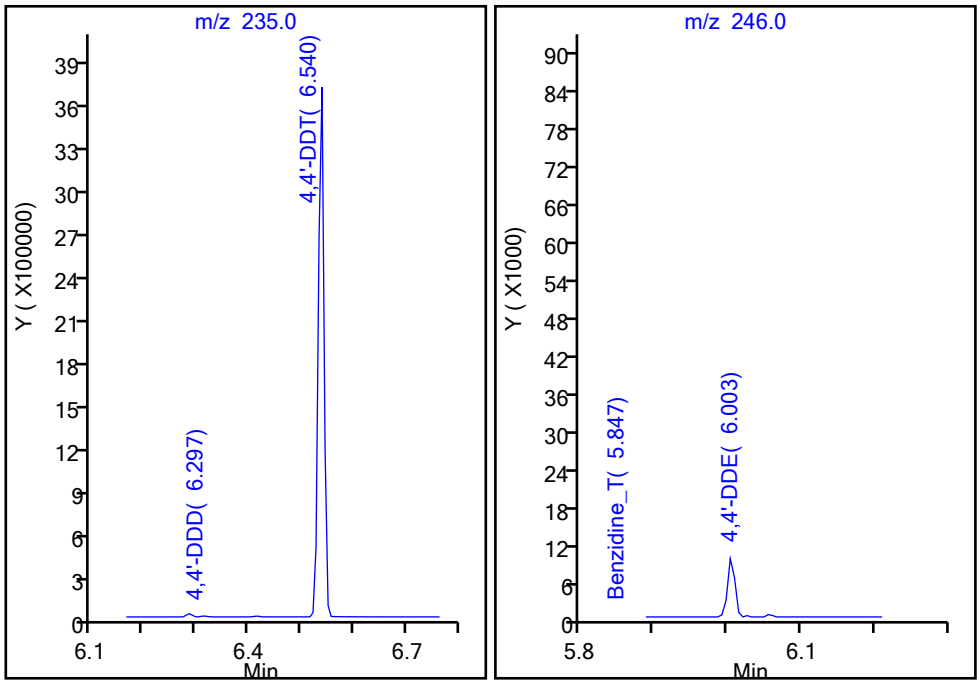
49 4,4'-DDT, Detector: MS SCAN

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

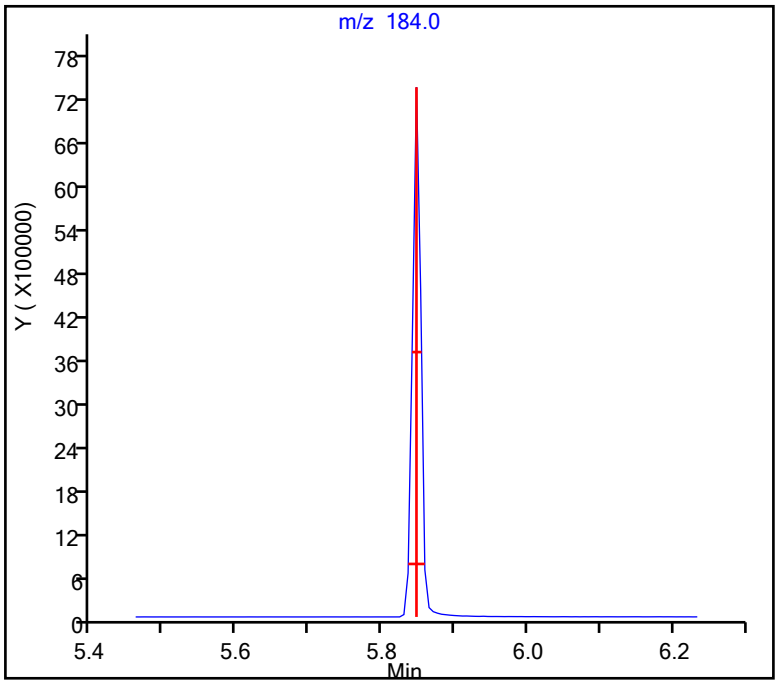
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0450a.D
Injection Date: 21-Feb-2023 22:31:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 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

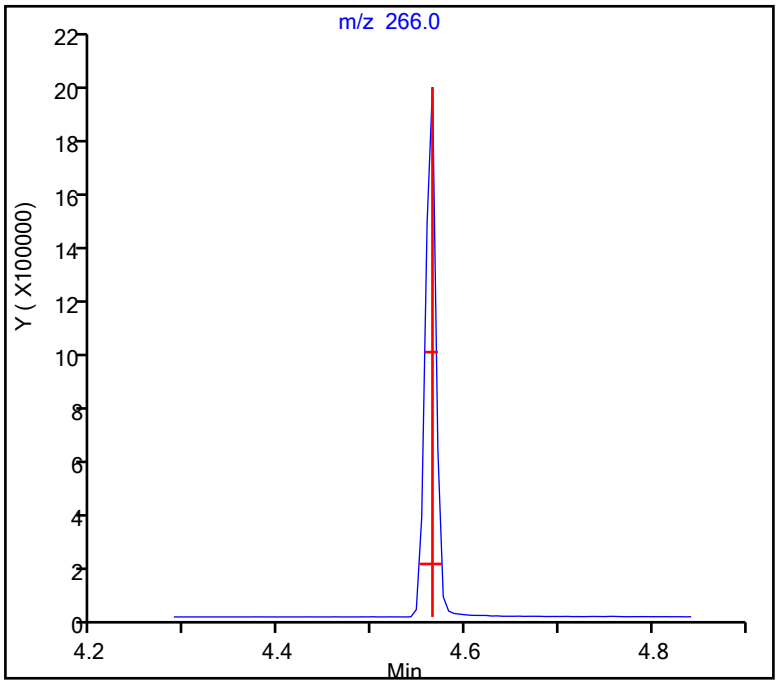
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230221-77517.b\NB0450a.D
Injection Date: 21-Feb-2023 22:31:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 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\20230526-85101.b\NE0550.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 26-May-2023 04:28:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0085101-001
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 05:06:52 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: CTX1676

First Level Reviewer: UJM0 Date: 26-May-2023 05:05:57

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	4.495	4.495	0.000	95	1291935	NR	NR	
45 DFTPP									
46 Benzidine_T	184	5.772	5.772	0.000	99	3908855	NR	NR	
47 4,4'-DDE	246	5.922	5.922	0.000	77	8833		NR	
48 4,4'-DDD	235	6.205	6.205	0.000	92	50504		NR	
49 4,4'-DDT	235	6.453	6.453	0.000	96	2289521	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

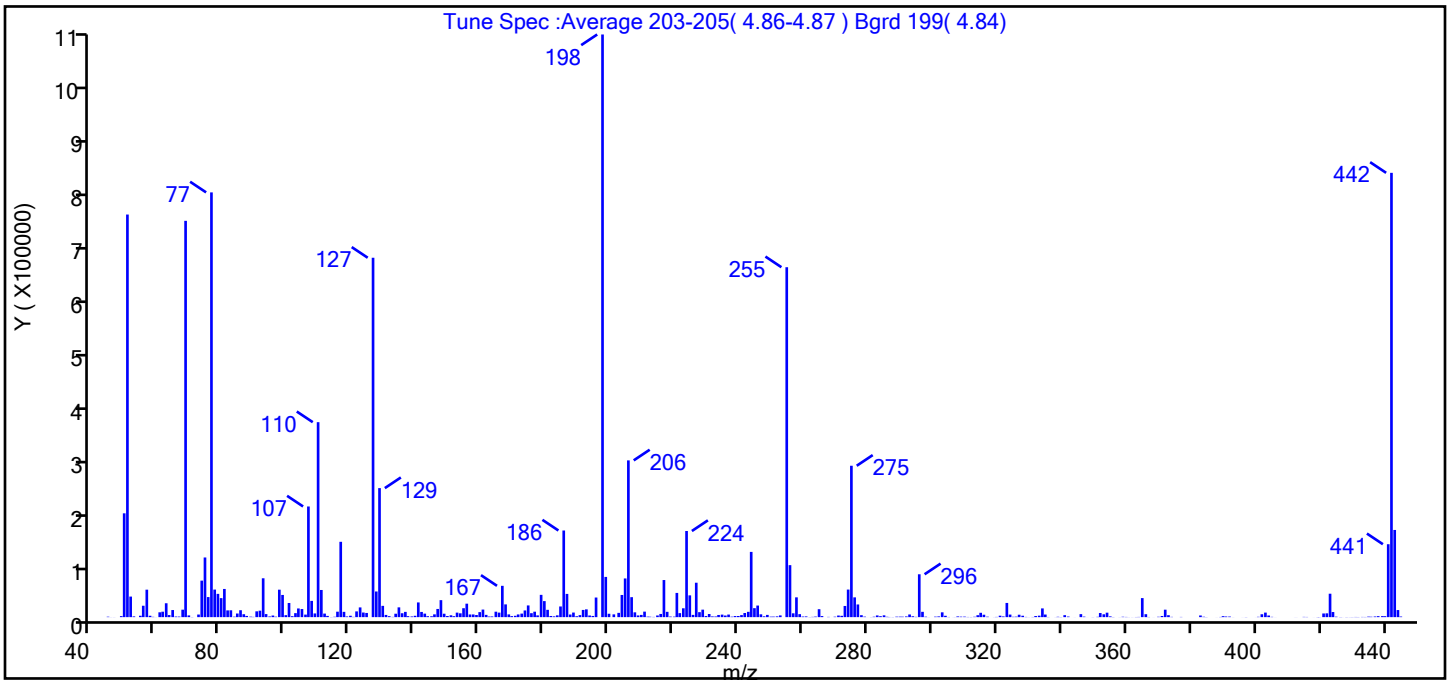
MSS_RVDFTPP_00013 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0550.D
Injection Date: 26-May-2023 04:28:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM
Tune Method: DFTPP Method 8270D, BP 198

45 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (131.1)
51	10-80% of the base peak	69.1
68	<2% of mass 69	1.3 (1.9)
69	Present	68.0
70	<2% of mass 69	0.3 (0.4)
127	10-80% of the base peak	61.7
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	26.0
365	>1% of mass 198	3.3
441	present but <24% of mass 442	12.5 (16.4)
442	base peak, or >50% of 198	76.3
443	15-24% of mass 442	15.0 (19.6)

Report Date: 26-May-2023 05:06:53 Chrom Revision: 2.3 23-May-2023 13:55:56

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0550.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 26-May-2023 04:28:30
Spectrum: Tune Spec :Average 203-205(4.86-4.87) Bgrd 199(4.84)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 365

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	780	141.00	26144	235.00	4488	331.00	305
46.00	106	142.00	9247	236.00	2862	332.00	1993
47.00	116	143.00	6231	237.00	4568	333.00	2600
49.00	1827	144.00	1692	238.00	854	334.00	15540
50.00	184512	145.00	1560	239.00	1948	335.00	4638
51.00	715520	146.00	4949	240.00	2030	336.00	296
52.00	36552	147.00	14547	241.00	3627	338.00	112
53.00	1349	148.00	30200	242.00	7356	339.00	623
55.00	2482	149.00	6071	243.00	9427	340.00	229
56.00	20256	150.00	2012	244.00	115952	341.00	3505
57.00	48816	151.00	3287	245.00	15954	342.00	1043
58.00	2446	152.00	1704	246.00	20592	344.00	65
59.00	546	153.00	8023	247.00	5024	346.00	5332
60.00	85	154.00	6821	248.00	1457	347.00	917
61.00	8595	155.00	15869	249.00	3986	348.00	51
62.00	9674	156.00	23936	250.00	870	350.00	158
63.00	24688	157.00	4748	251.00	966	351.00	550
64.00	3695	158.00	4777	252.00	1361	352.00	7336
65.00	12623	159.00	3821	253.00	3062	353.00	5070
66.00	1051	160.00	8917	255.00	621888	354.00	7930
67.00	994	161.00	13441	256.00	92400	355.00	1363
68.00	13243	162.00	4023	257.00	6813	356.00	274
69.00	704320	163.00	1088	258.00	35184	358.00	111
70.00	3080	164.00	1227	259.00	5305	359.00	669
71.00	264	165.00	9673	260.00	1080	360.00	382
73.00	4618	166.00	8039	261.00	1282	361.00	119
74.00	64888	167.00	55656	262.00	217	362.00	107
75.00	106040	168.00	22672	263.00	471	363.00	280
76.00	35680	169.00	4884	264.00	990	364.00	394
77.00	754880	170.00	1834	265.00	14115	365.00	33840
78.00	48984	171.00	2406	266.00	1893	366.00	5243
79.00	41360	172.00	4779	268.00	448	367.00	313
80.00	33800	173.00	6294	269.00	17	368.00	60

Report Date: 26-May-2023 05:06:53 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0550.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 26-May-2023 04:28:30
Spectrum: Tune Spec :Average 203-205(4.86-4.87) Bgrd 199(4.84)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 365

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	50096	174.00	11892	270.00	803	370.00	657
82.00	12011	175.00	20808	271.00	2853	371.00	2047
83.00	12185	176.00	7019	272.00	2364	372.00	13255
84.00	859	177.00	9701	273.00	19864	373.00	3443
85.00	6462	178.00	3130	274.00	49008	374.00	487
86.00	12297	179.00	39608	275.00	269056	377.00	370
87.00	5210	180.00	28496	276.00	35160	383.00	2963
88.00	2152	181.00	13013	277.00	22536	384.00	696
89.00	871	182.00	2084	278.00	3468	385.00	227
90.00	482	183.00	1381	279.00	900	388.00	66
91.00	10348	184.00	3181	280.00	52	389.00	332
92.00	11476	185.00	18976	281.00	183	390.00	1717
93.00	69064	186.00	153984	282.00	770	391.00	1147
94.00	5445	187.00	41296	283.00	3023	392.00	1069
95.00	1218	188.00	4671	284.00	1697	393.00	91
96.00	2865	189.00	8161	285.00	3217	396.00	56
97.00	824	190.00	1619	286.00	647	397.00	218
98.00	48800	191.00	3564	287.00	310	400.00	55
99.00	39440	192.00	12811	288.00	215	401.00	587
100.00	3510	193.00	13856	289.00	849	402.00	5137
101.00	25152	194.00	2945	290.00	899	403.00	8077
102.00	1705	195.00	2121	291.00	836	404.00	2908
103.00	7109	196.00	34856	292.00	1269	405.00	527
104.00	15426	198.00	1035520	293.00	4746	406.00	66
105.00	14376	199.00	71496	294.00	1602	412.00	68
106.00	4508	200.00	6013	295.00	507	413.00	55
107.00	196672	202.00	4929	296.00	76184	415.00	451
108.00	28912	203.00	7610	297.00	9459	416.00	349
109.00	6577	204.00	39400	298.00	832	418.00	53
110.00	346496	205.00	68768	299.00	118	419.00	252
111.00	48272	206.00	278592	301.00	884	420.00	204
112.00	6310	207.00	35496	302.00	1290	421.00	6514
113.00	2215	208.00	8540	303.00	8557	422.00	6764
114.00	216	209.00	3032	304.00	2416	423.00	41640

Report Date: 26-May-2023 05:06:53 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0550.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 26-May-2023 04:28:30
Spectrum: Tune Spec :Average 203-205(4.86-4.87) Bgrd 199(4.84)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 365

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	661	210.00	3953	305.00	334	424.00	9090
116.00	9694	211.00	9800	307.00	68	425.00	813
117.00	133888	212.00	892	307.00	113	426.00	245
118.00	9412	213.00	728	308.00	1253	427.00	83
119.00	1231	214.00	387	309.00	873	428.00	226
120.00	2450	215.00	2956	310.00	925	429.00	154
121.00	459	216.00	5676	311.00	349	430.00	210
122.00	10232	217.00	65936	312.00	270	431.00	329
123.00	17304	218.00	9434	313.00	695	432.00	270
124.00	8198	219.00	1023	314.00	3435	433.00	371
125.00	7434	220.00	888	315.00	7721	434.00	318
127.00	638720	221.00	43040	316.00	4269	435.00	930
128.00	45608	222.00	7129	317.00	839	436.00	732
129.00	229312	223.00	15741	319.00	111	437.00	1145
130.00	20064	224.00	153088	320.00	392	438.00	1750
131.00	3925	225.00	38720	321.00	2562	439.00	1845
132.00	1769	226.00	4010	322.00	1250	440.00	1695
133.00	427	227.00	61168	323.00	25232	441.00	129600
134.00	6071	228.00	8866	324.00	4556	442.00	789632
135.00	17392	229.00	13294	325.00	632	443.00	154944
136.00	6946	230.00	1942	326.00	855	444.00	12601
137.00	9376	231.00	5573	327.00	4282	445.00	1076
138.00	1755	232.00	1311	328.00	2470		
139.00	1224	233.00	1160	329.00	403		
140.00	2406	234.00	3856	330.00	130		

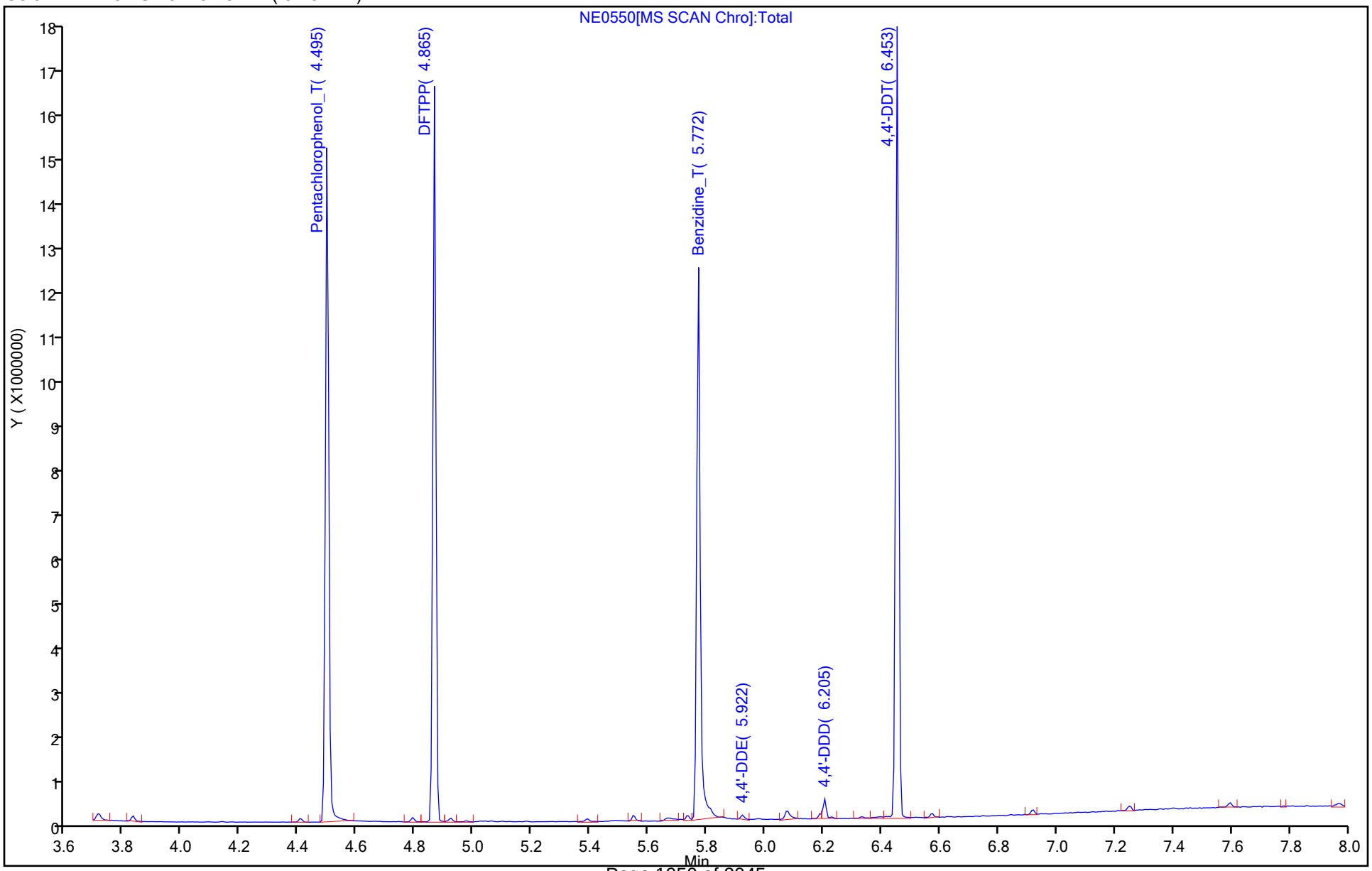
Report Date: 26-May-2023 05:06:53 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0550.D

Injection Date:	26-May-2023 04:28:30	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\20230526-85101.b\NE0550.D
Injection Date: 26-May-2023 04:28:30 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

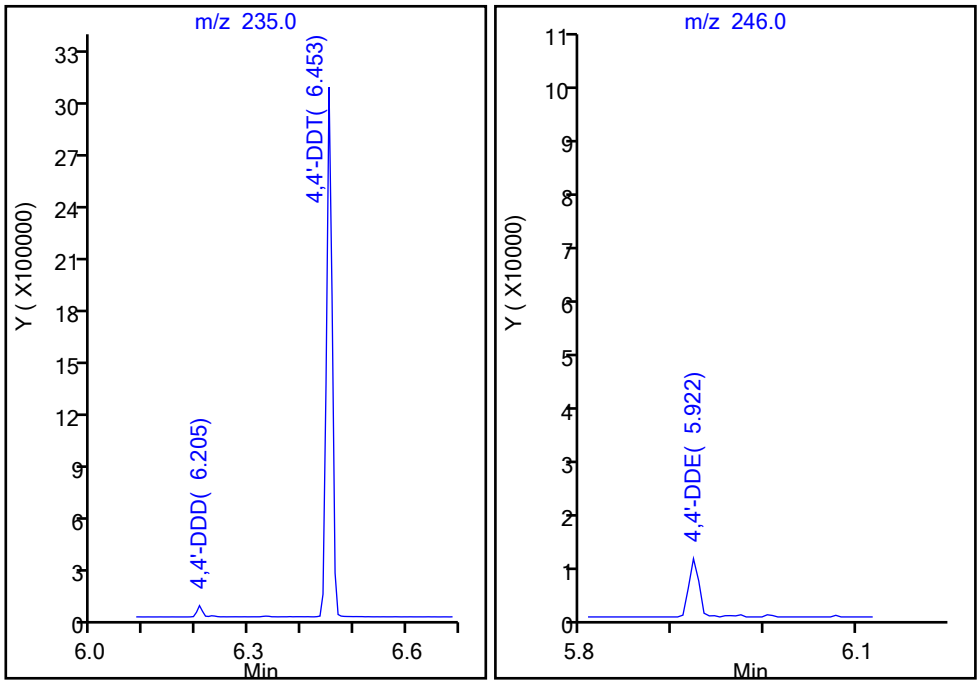
49 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 2289521
47 4,4'-DDE, Area = 8833
48 4,4'-DDD, Area = 50504

%Breakdown: 2.53%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

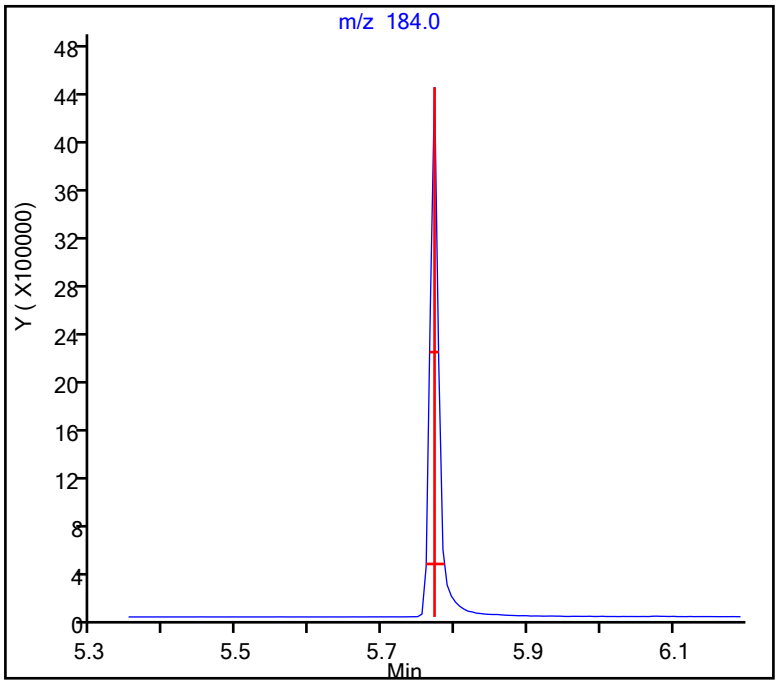
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0550.D
Injection Date: 26-May-2023 04:28:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.27, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

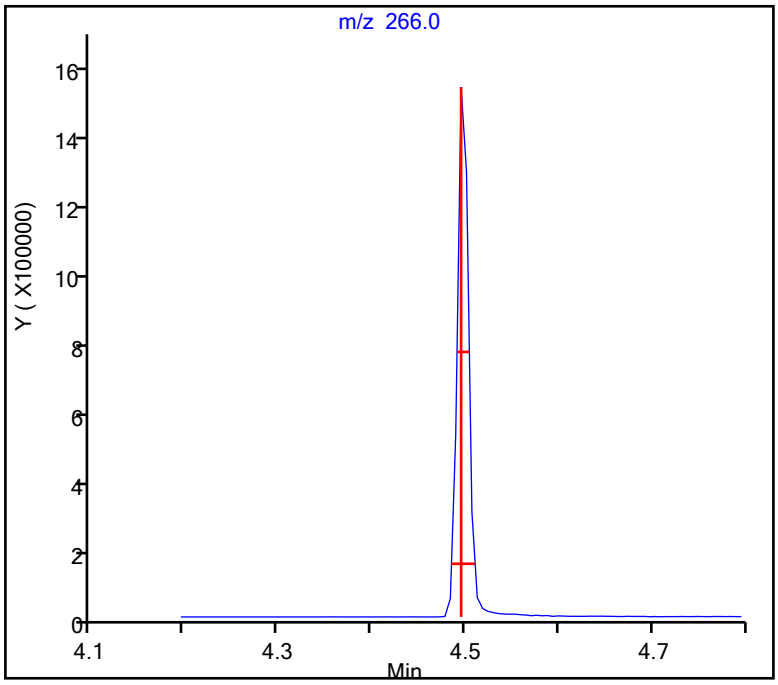
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0550.D
Injection Date: 26-May-2023 04:28:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 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.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-380061/1-A

Matrix: Water
Lab File ID: NE0552.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 250(mL)
Date Analyzed: 05/26/2023 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.: 380221
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	ND		1.0	0.050
117-84-0	Di-n-octyl phthalate	ND		1.0	0.050
206-44-0	Fluoranthene	ND		0.050	0.010
86-73-7	Fluorene	ND		0.050	0.010
118-74-1	Hexachlorobenzene	ND		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.050	0.020
91-20-3	Naphthalene	ND		0.070	0.030
62-75-9	N-Nitrosodimethylamine	ND		0.050	0.020
85-01-8	Phenanthrene	ND		0.070	0.030
129-00-0	Pyrene	ND		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-380061/1-A

Matrix: Water
Lab File ID: NE0552.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 250(mL)
Date Analyzed: 05/26/2023 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.: 380221
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	45		33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	63		17-120
93951-69-0	Fluoranthene-d10 (Surr)	67		43-124

Report Date: 26-May-2023 20:30:06 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0552.D
Lims ID: MB 410-380061/1-A
Client ID:
Sample Type: MB
Inject. Date: 26-May-2023 05:18:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-380061/1-A
Misc. Info.: 410-0085101-003
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:29:45 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: CTX1644

First Level Reviewer: UJM0 Date: 26-May-2023 05:46:32

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	4.544	4.544	0.000	100	39247	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.744	5.744	0.000	100	138882	0.2500	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.477	6.477	0.000	99	27350	0.2500	0.1132	
* 13 Acenaphthene-d10	164	7.408	7.408	0.000	93	57432	0.2500	0.2500	
19 Hexachlorobenzene	284	8.443	8.443	0.000	89	121		0.001345	M
* 20 Phenanthrene-d10	188	8.822	8.814	0.008	100	84211	0.2500	0.2500	
$ 24 Fluoranthene-d10 (Surr)	212	9.948	9.948	0.000	100	45344	0.2500	0.1666	
* 29 Chrysene-d12	240	11.473	11.465	0.008	82	48682	0.2500	0.2500	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.298	13.291	0.007	99	21814	0.2500	0.1564	
* 38 Perylene-d12	264	13.413	13.413	0.000	98	41578	0.2500	0.2500	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00036 Amount Added: 10.00 Units: uL Run Reagent

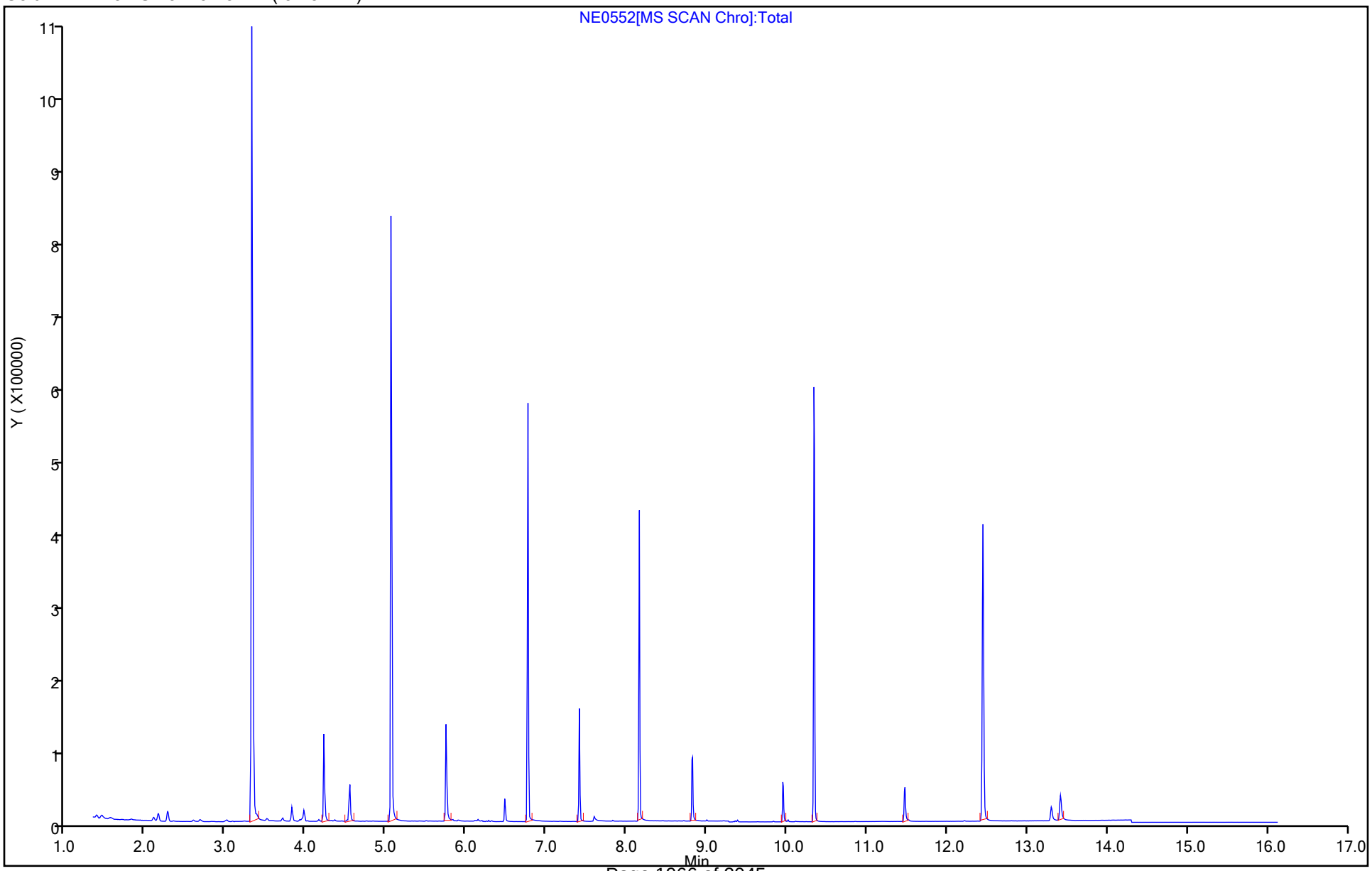
Report Date: 26-May-2023 20:30:06 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0552.D

Injection Date:	26-May-2023 05:18:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	MB 410-380061/1-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\20230526-85101.b\NE0552.D				
Lims ID:	MB 410-380061/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	26-May-2023 05:18:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 410-380061/1-A				
Misc. Info.:	410-0085101-003				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	26-May-2023 20:29:45	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:	CTX1644				

First Level Reviewer: UJM0 Date: 26-May-2023 05:46:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1132	45.26
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1666	66.64
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1564	62.55

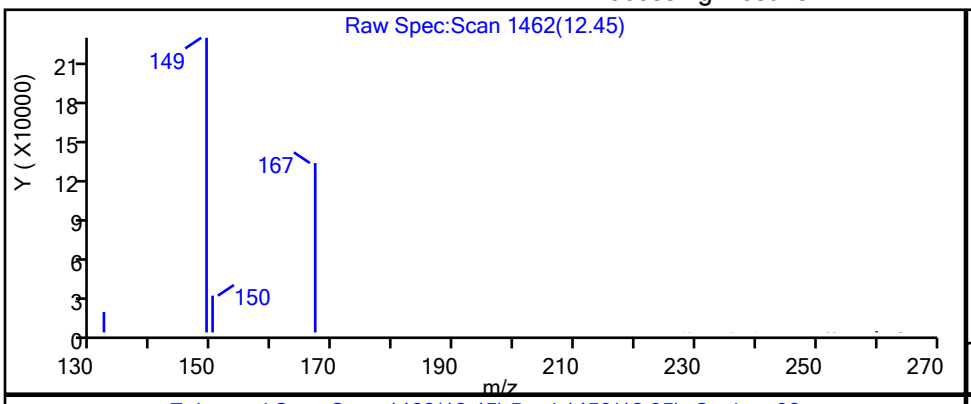
User Disabled Compound Report

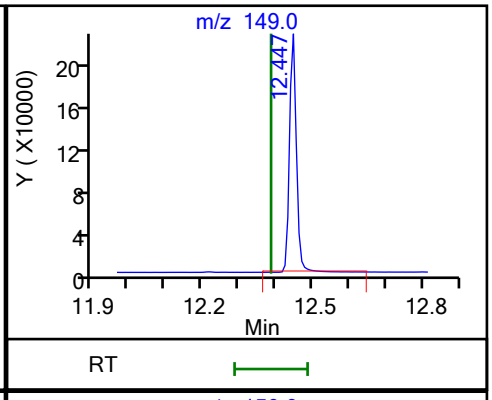
Eurofins Lancaster Laboratories Environment Testing, LLC

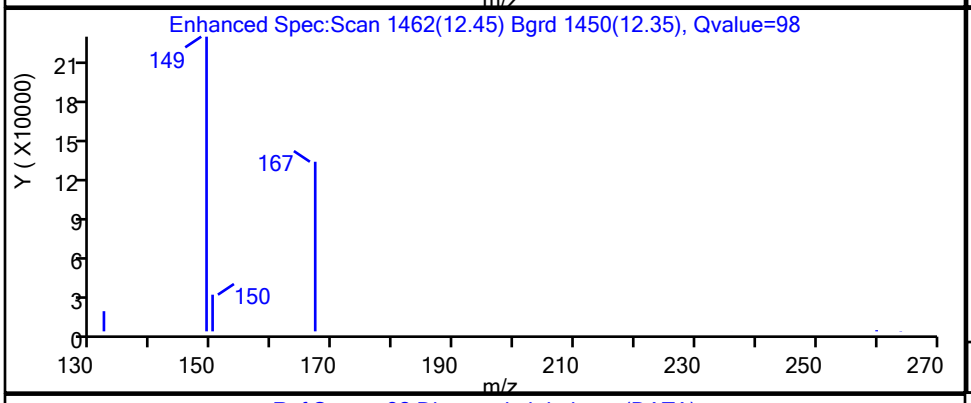
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0552.D				
Injection Date:	26-May-2023 05:18:30	Instrument ID:	HP23263		
Lims ID:	MB 410-380061/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

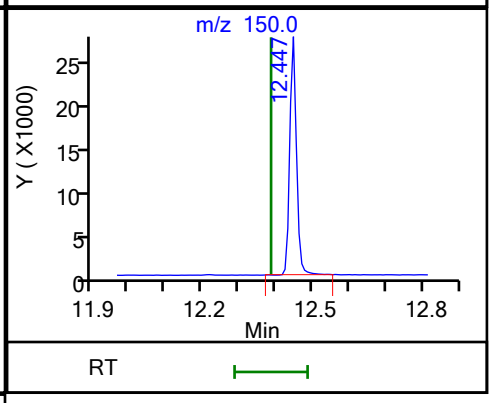
32 Di-n-octyl phthalate, CAS: 117-84-0

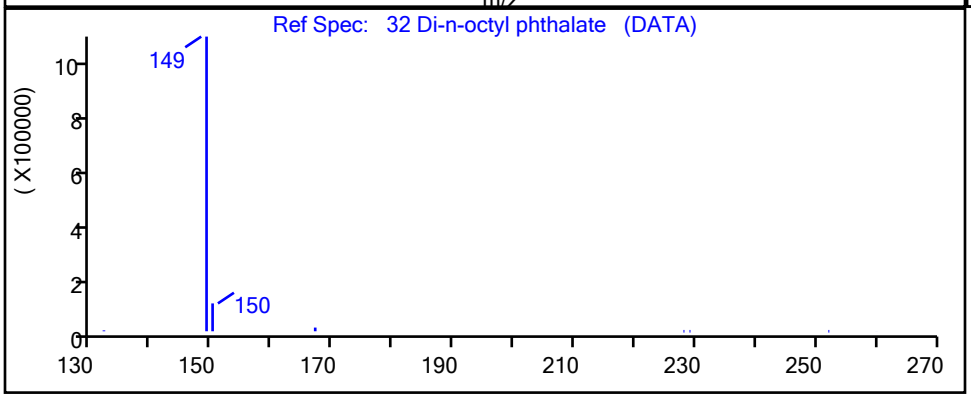
Processing Results











RT	Mass	Response	Amount
12.45	149.00	292281	1.599673
12.45	150.00	35285	

Reviewer: UJM0, 26-May-2023 05:46:24 -04:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

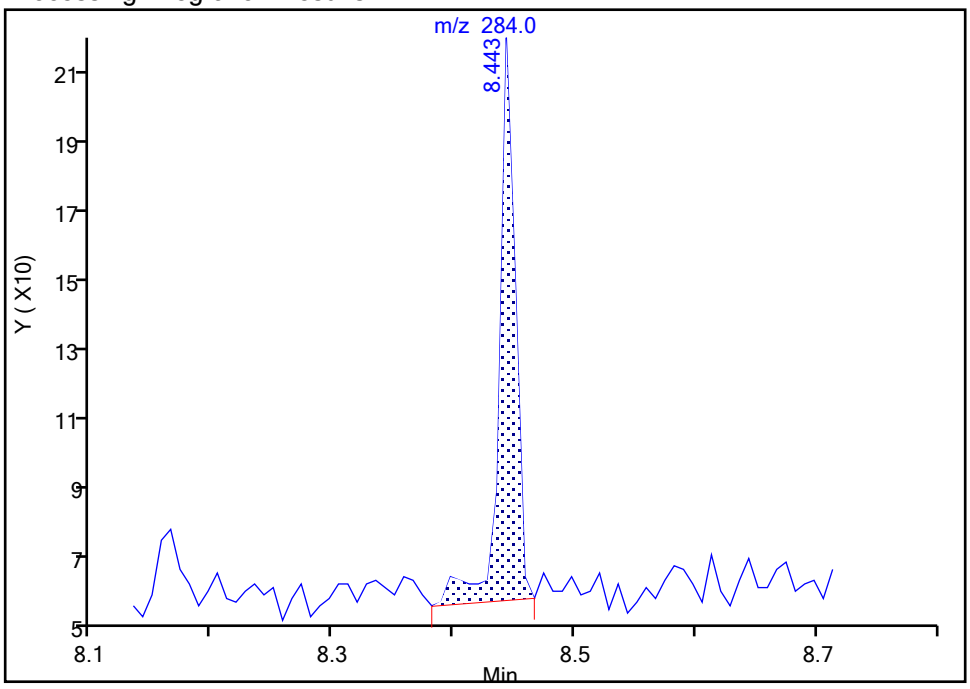
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0552.D				
Injection Date:	26-May-2023 05:18:30	Instrument ID:	HP23263		
Lims ID:	MB 410-380061/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

19 Hexachlorobenzene, CAS: 118-74-1

Signal: 1

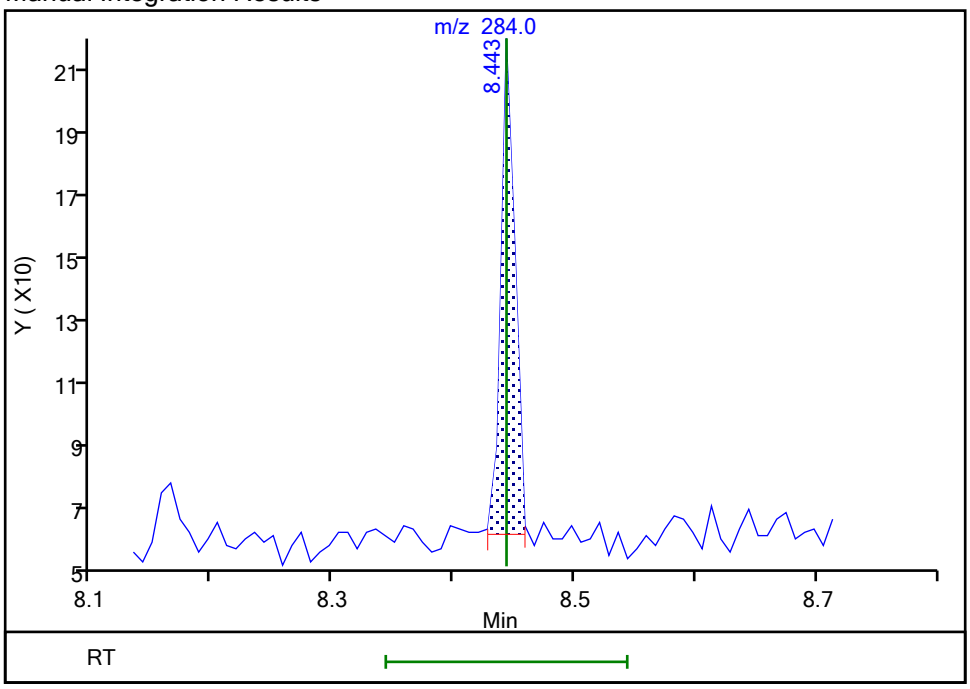
Processing Integration Results

RT: 8.44
Area: 142
Amount: 0.001578
Amount Units: ug/ml



Manual Integration Results

RT: 8.44
Area: 121
Amount: 0.001345
Amount Units: ug/ml



Reviewer: UJM0, 26-May-2023 05:46:13 -04:00:00 (UTC)

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.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-382041/1-A

Matrix: Water
Lab File ID: MF0054.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:47

Sample wt/vol: 250(mL)
Date Analyzed: 06/02/2023 06:35

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.: 382216
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*	*0.534*	*J*	*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*	*ND*		*1.0*	*0.050*
117-84-0	*Di-n-octyl phthalate*	*ND*		*1.0*	*0.050*
206-44-0	*Fluoranthene*	*ND*		*0.050*	*0.010*
86-73-7	*Fluorene*	*ND*		*0.050*	*0.010*
118-74-1	*Hexachlorobenzene*	*ND*		*0.050*	*0.020*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*ND*		*0.050*	*0.020*
91-20-3	*Naphthalene*	*ND*		*0.070*	*0.030*
62-75-9	*N-Nitrosodimethylamine*	*ND*		*0.050*	*0.020*
85-01-8	*Phenanthrene*	*ND*		*0.070*	*0.030*
129-00-0	*Pyrene*	*ND*		*0.050*	*0.010*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-382041/1-A

Matrix: Water Lab File ID: MF0054.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 06/01/2023 15:47

Sample wt/vol: 250(mL) Date Analyzed: 06/02/2023 06:35

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.: 382216 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	61		33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	78		17-120
93951-69-0	Fluoranthene-d10 (Surr)	77		43-124

Report Date: 05-Jun-2023 05:02:51 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0054.D
Lims ID: MB 410-382041/1-A
Client ID:
Sample Type: MB
Inject. Date: 02-Jun-2023 06:35:55 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-382041/1-A
Misc. Info.: 410-0085590-005
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 05-Jun-2023 04:54:48 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: UJM0 Date: 02-Jun-2023 07:24:26

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	1.648	1.635	0.013	86	390		0.004182	7M
* 4 1,4-Dichlorobenzene-d4	152	4.468	4.468	0.000	93	38023	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.681	5.681	0.000	91	133309	0.2500	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.421	6.421	0.000	98	49567	0.2500	0.1527	
* 13 Acenaphthene-d10	164	7.347	7.357	-0.010	97	76056	0.2500	0.2500	
* 20 Phenanthrene-d10	188	8.755	8.755	0.000	95	153691	0.2500	0.2500	
$ 24 Fluoranthene-d10 (Surr)	212	9.892	9.892	0.000	98	135232	0.2500	0.1925	
* 29 Chrysene-d12	240	11.374	11.374	0.000	55	146529	0.2500	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.451	11.451	0.000	99	6468		0.1335	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.130	13.130	0.000	100	110433	0.2500	0.1944	
* 38 Perylene-d12	264	13.238	13.245	-0.007	99	154470	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.787	14.773	0.014	99	865		0.001274	7M

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00037 Amount Added: 10.00 Units: uL Run Reagent

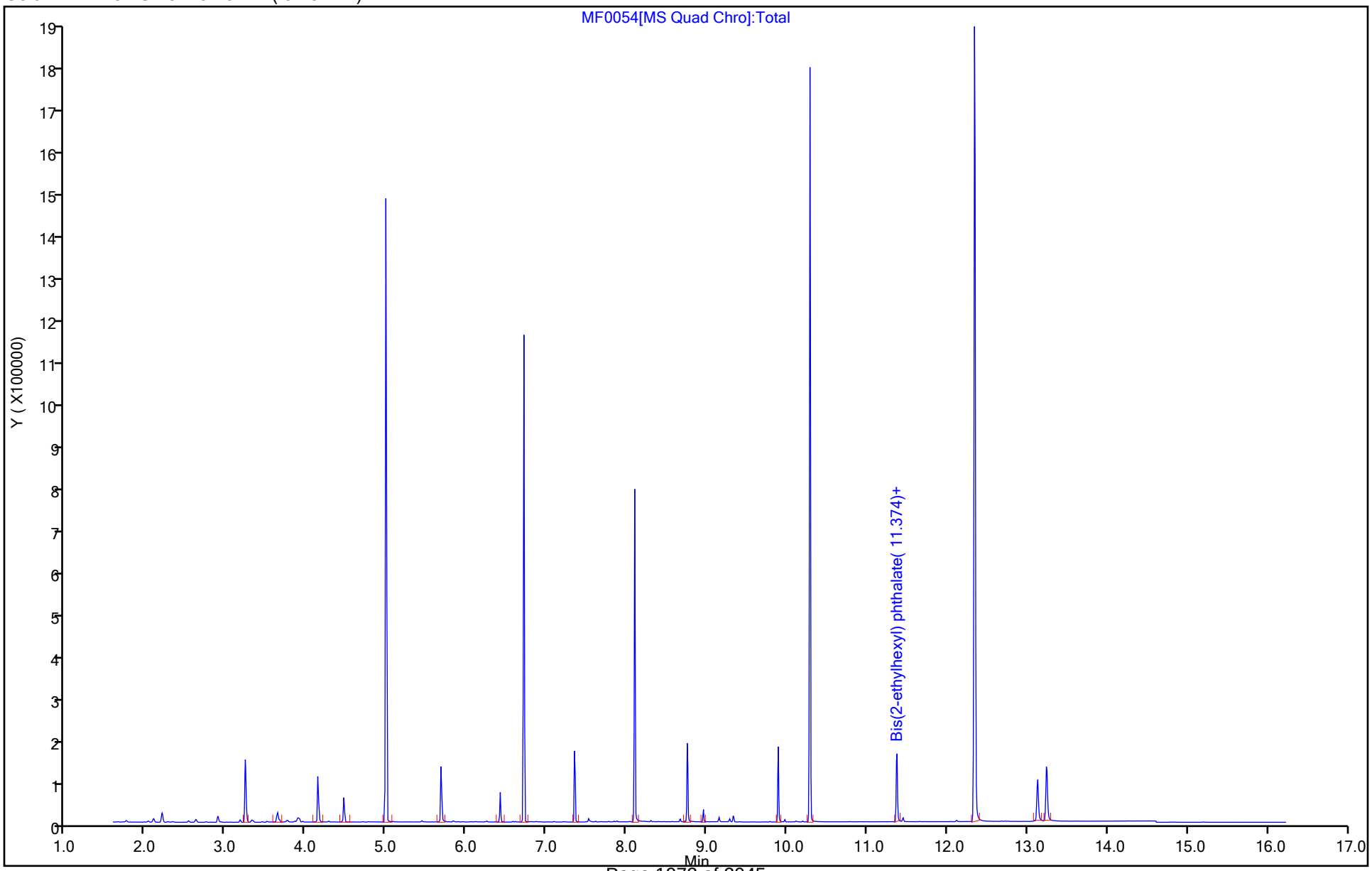
Report Date: 05-Jun-2023 05:02:51 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0054.D

Injection Date:	02-Jun-2023 06:35:55	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	MB 410-382041/1-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\20230602-85590.b\MF0054.D
Lims ID: MB 410-382041/1-A
Client ID:
Sample Type: MB
Inject. Date: 02-Jun-2023 06:35:55 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-382041/1-A
Misc. Info.: 410-0085590-005
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 05-Jun-2023 04:54:48 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: UJM0 Date: 02-Jun-2023 07:24:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1527	61.08
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1925	77.00
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1944	77.77

Report Date: 05-Jun-2023 05:02:51 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0054.D

Injection Date: 02-Jun-2023 06:35:55 Instrument ID: HP21585

Lims ID: MB 410-382041/1-A

Client ID:

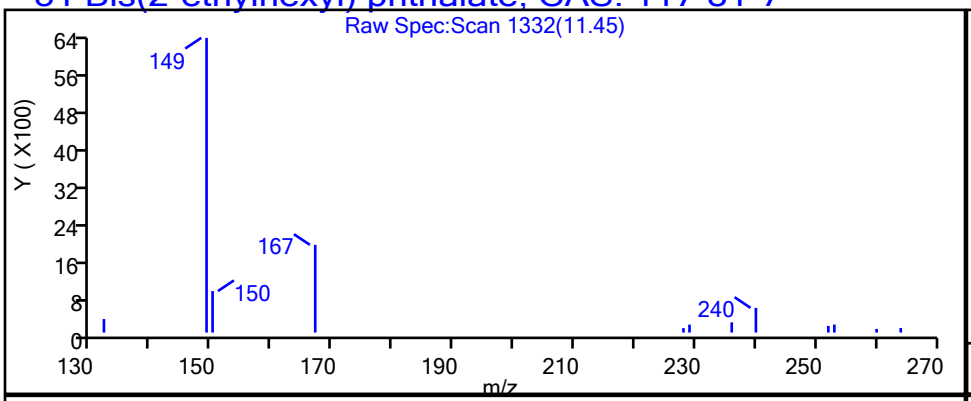
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 5

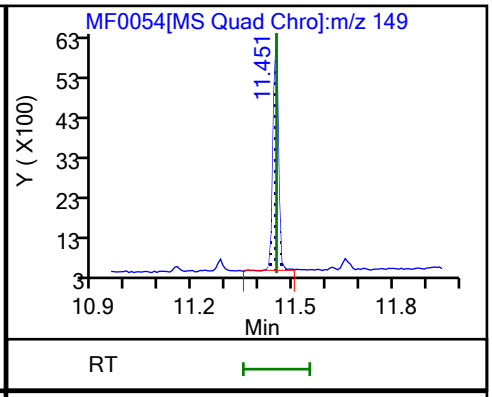
Injection Vol: 1.0 ul Dil. Factor: 1.0000

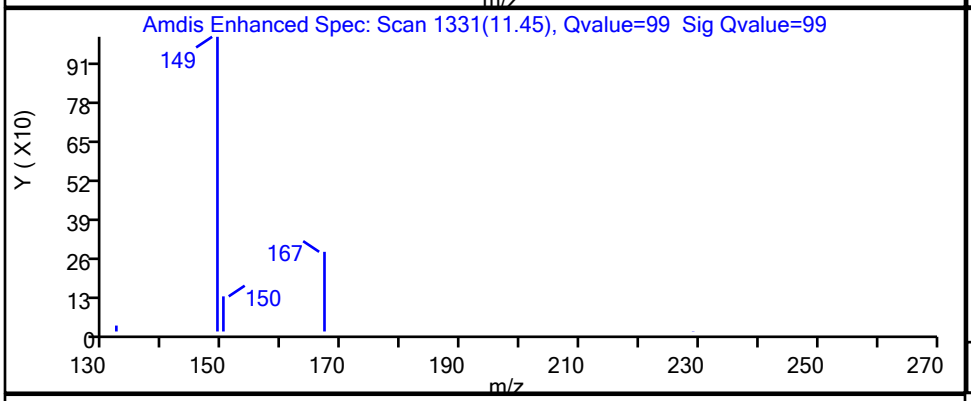
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

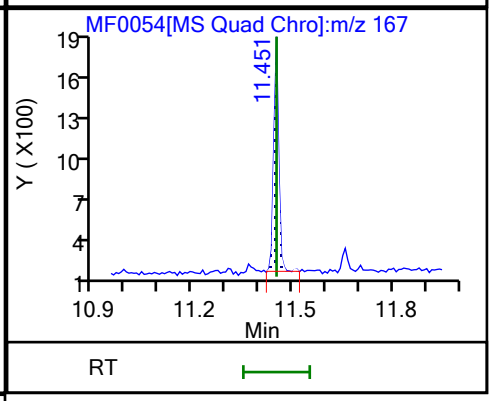
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

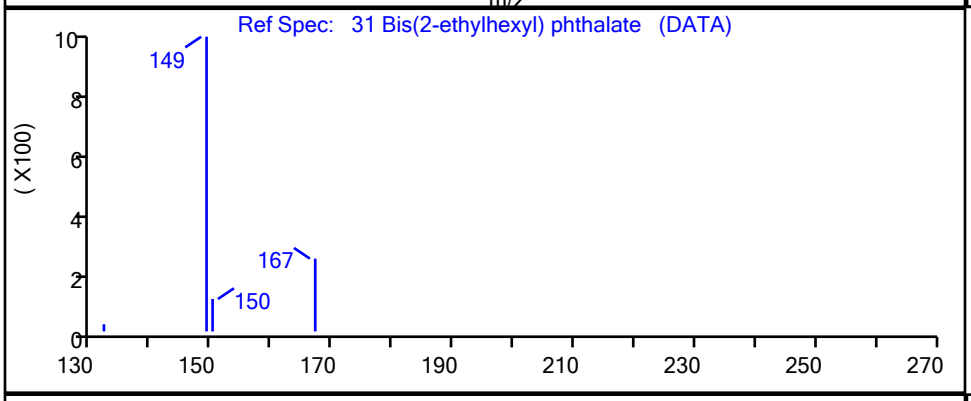
31 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

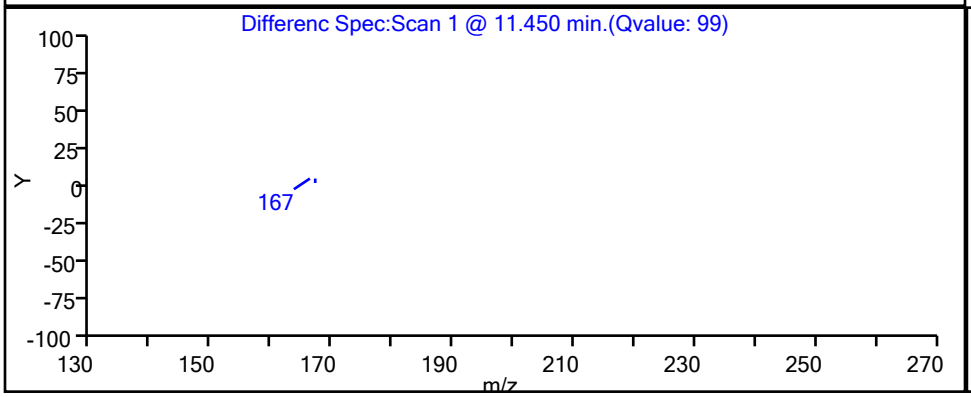


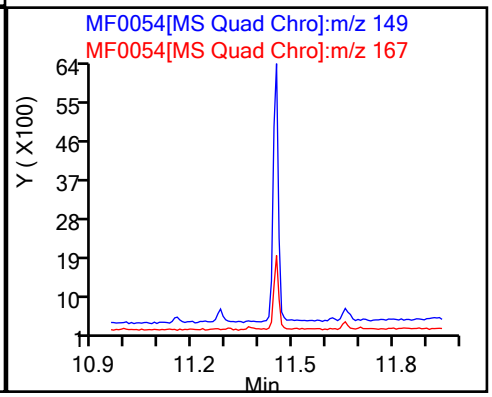












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

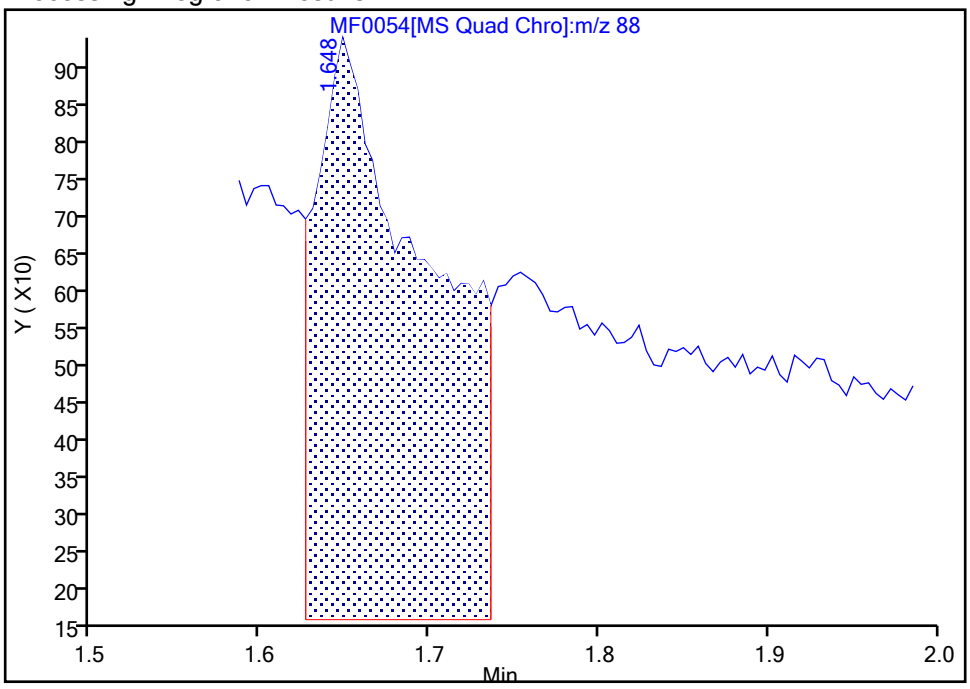
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0054.D				
Injection Date:	02-Jun-2023 06:35:55	Instrument ID:	HP21585		
Lims ID:	MB 410-382041/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

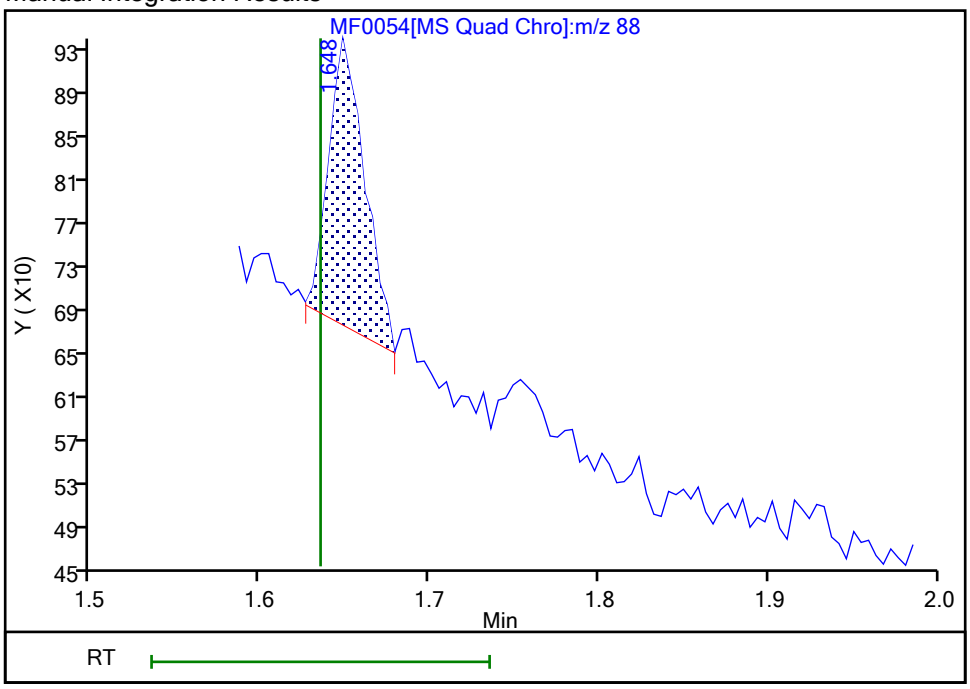
Processing Integration Results

RT: 1.65
Area: 3603
Amount: 0.038635
Amount Units: ug/ml



Manual Integration Results

RT: 1.65
Area: 390
Amount: 0.004182
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 07:24:01 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

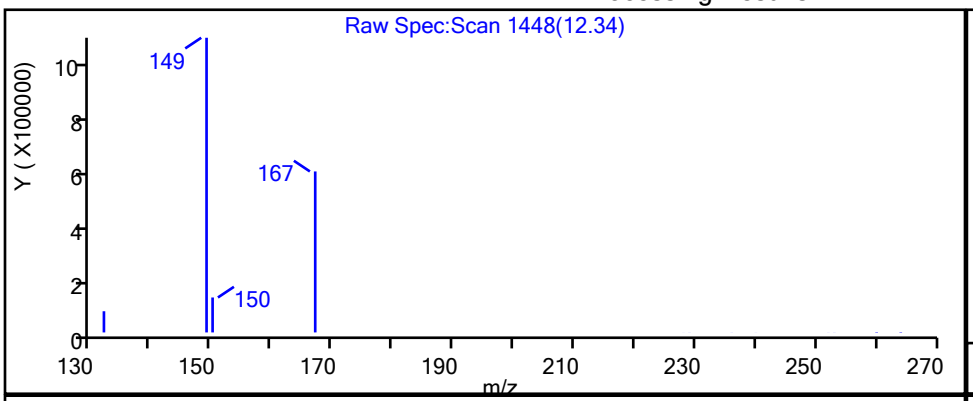
User Disabled Compound Report

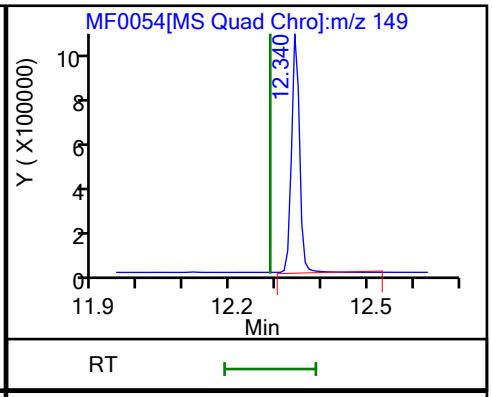
Eurofins Lancaster Laboratories Environment Testing, LLC

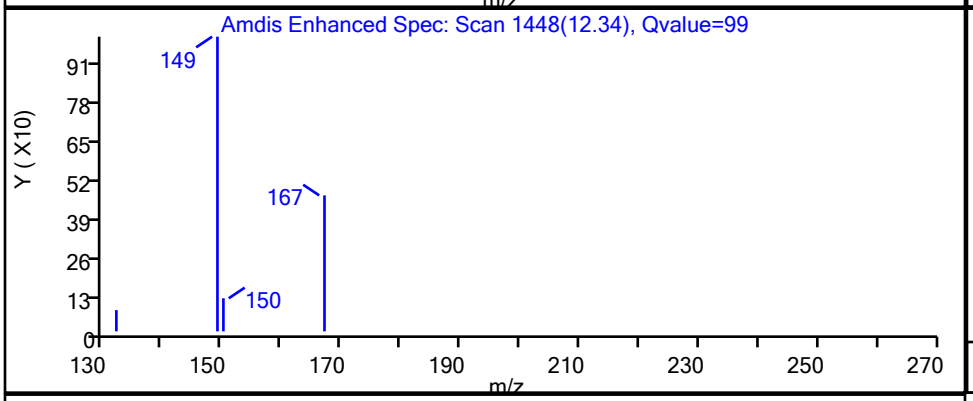
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0054.D				
Injection Date:	02-Jun-2023 06:35:55	Instrument ID:	HP21585		
Lims ID:	MB 410-382041/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

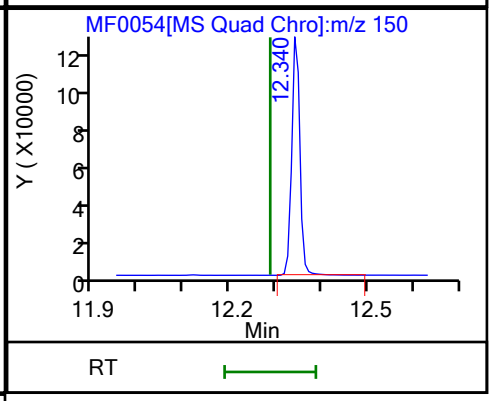
32 Di-n-octyl phthalate, CAS: 117-84-0

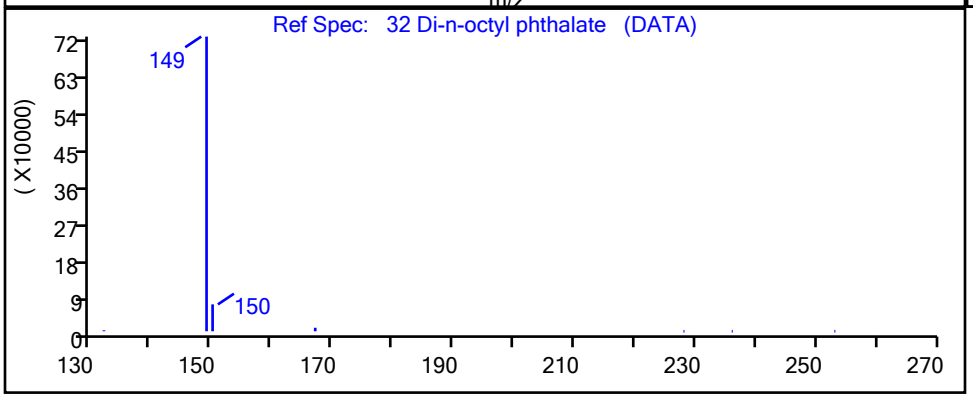
Processing Results











RT	Mass	Response	Amount
12.34	149.00	1294421	2.848281
12.34	150.00	157099	

Reviewer: UJM0, 02-Jun-2023 07:24:13 -04:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

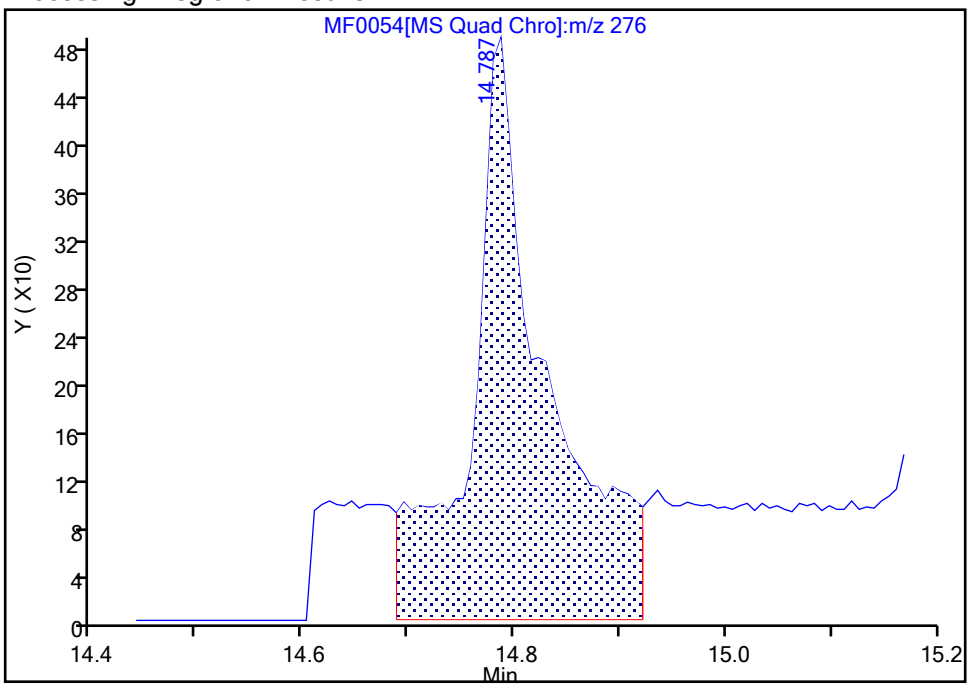
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0054.D				
Injection Date:	02-Jun-2023 06:35:55	Instrument ID:	HP21585		
Lims ID:	MB 410-382041/1-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

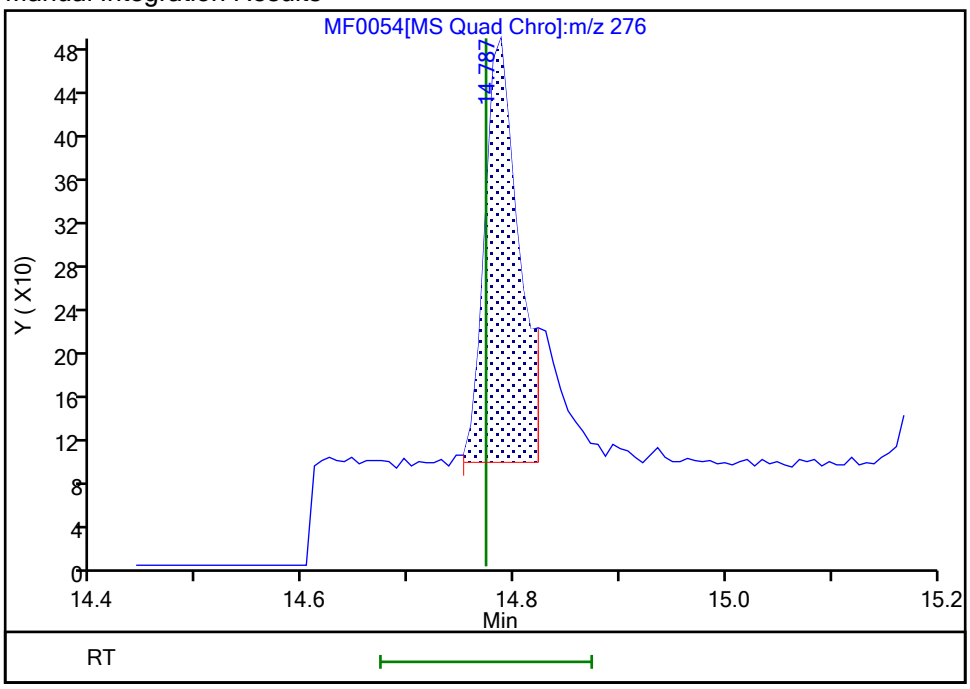
Processing Integration Results

RT: 14.79
Area: 2430
Amount: 0.003578
Amount Units: ug/ml



Manual Integration Results

RT: 14.79
Area: 865
Amount: 0.001274
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 07:24:20 -04:00:00 (UTC)

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.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-380061/2-A

Matrix: Water
Lab File ID: NE0553.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 250(mL)
Date Analyzed: 05/26/2023 05:40

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 380221
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.392		0.30	0.10
90-12-0	1-Methylnaphthalene	0.450		0.050	0.020
91-57-6	2-Methylnaphthalene	0.410		0.050	0.020
83-32-9	Acenaphthene	0.515		0.050	0.010
208-96-8	Acenaphthylene	0.537		0.050	0.010
120-12-7	Anthracene	0.665		0.050	0.010
56-55-3	Benzo[a]anthracene	0.680		0.050	0.010
50-32-8	Benzo[a]pyrene	0.712		0.050	0.010
205-99-2	Benzo[b]fluoranthene	0.691		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	0.673		0.050	0.010
207-08-9	Benzo[k]fluoranthene	0.853		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	0.588		0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.784	J	1.0	0.050
85-68-7	Butylbenzylphthalate	0.523	J	1.0	0.050
218-01-9	Chrysene	0.713		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	0.598		0.050	0.020
132-64-9	Dibenzofuran	0.535		0.050	0.010
84-66-2	Diethylphthalate	0.664	J	1.0	0.050
131-11-3	Dimethylphthalate	0.485	J	1.0	0.050
84-74-2	Di-n-butyl phthalate	0.725	J	1.0	0.050
117-84-0	Di-n-octyl phthalate	0.741	J	1.0	0.050
206-44-0	Fluoranthene	0.682		0.050	0.010
86-73-7	Fluorene	0.585		0.050	0.010
118-74-1	Hexachlorobenzene	0.548		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.626		0.050	0.020
91-20-3	Naphthalene	0.414		0.070	0.030
62-75-9	N-Nitrosodimethylamine	0.486		0.050	0.020
85-01-8	Phenanthrene	0.653		0.070	0.030
129-00-0	Pyrene	0.685		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-380061/2-A

Matrix: Water
Lab File ID: NE0553.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 250(mL)
Date Analyzed: 05/26/2023 05:40

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 380221
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	44		33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	69		17-120
93951-69-0	Fluoranthene-d10 (Surr)	69		43-124

Report Date: 26-May-2023 20:30:07 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0553.D
Lims ID: LCS 410-380061/2-A
Client ID:
Sample Type: LCS
Inject. Date: 26-May-2023 05:40:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-380061/2-A
Misc. Info.: 410-0085101-004
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:29:45 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: CTX1644

First Level Reviewer: UJM0 Date: 26-May-2023 06:22:22

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.696	1.674	0.022	92	8001	0.2500	0.0979	M
	2 N-Nitrosodimethylamine	74	2.051	1.994	0.057	83	11393	0.2500	0.1215	
	3 Bis(2-chloroethyl)ether	93	4.282	4.282	0.000	91	29699	0.2500	0.1470	
*	4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	100	36848	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.744	5.744	0.000	100	137153	0.2500	0.2500	
	6 Naphthalene	128	5.769	5.769	0.000	99	57263	0.2500	0.1035	
	8 2-Methylnaphthalene	142	6.416	6.417	-0.001	95	36857	0.2500	0.1025	
$	9 1-Methylnaphthalene-d10	152	6.477	6.477	0.000	100	26117	0.2500	0.1094	
	10 1-Methylnaphthalene	142	6.517	6.507	0.010	96	34473	0.2500	0.1124	
	11 Dimethyl phthalate	163	7.158	7.158	0.000	76	28137	0.2500	0.1212	
	12 Acenaphthylene	152	7.278	7.278	0.000	98	54224	0.2500	0.1343	
*	13 Acenaphthene-d10	164	7.408	7.408	0.000	97	53777	0.2500	0.2500	
	14 Acenaphthene	154	7.438	7.438	0.000	96	30729	0.2500	0.1288	
	15 Dibenzofuran	168	7.601	7.602	-0.001	98	49854	0.2500	0.1337	
	16 Diethyl phthalate	149	7.825	7.826	-0.001	98	36979	0.2500	0.1661	
	17 Fluorene	166	7.926	7.926	0.000	97	39341	0.2500	0.1462	
	19 Hexachlorobenzene	284	8.443	8.443	0.000	93	11623	0.2500	0.1369	
*	20 Phenanthrene-d10	188	8.814	8.814	0.000	99	79454	0.2500	0.2500	
	21 Phenanthrene	178	8.837	8.837	0.000	100	54672	0.2500	0.1633	
	22 Anthracene	178	8.891	8.883	0.008	100	53556	0.2500	0.1663	
	23 Di-n-butyl phthalate	149	9.377	9.378	-0.007	100	56015	0.2500	0.1812	
$	24 Fluoranthene-d10 (Surr)	212	9.948	9.948	0.000	100	44172	0.2500	0.1720	
	25 Fluoranthene	202	9.967	9.967	0.000	98	54640	0.2500	0.1706	
	26 Pyrene	202	10.180	10.180	0.000	99	55195	0.2500	0.1712	
	27 Butyl benzyl phthalate	149	10.844	10.852	-0.008	100	12906	0.2500	0.1306	
	28 Benzo[a]anthracene	228	11.450	11.450	0.000	99	40624	0.2500	0.1701	
*	29 Chrysene-d12	240	11.465	11.465	0.000	93	47080	0.2500	0.2500	
	30 Chrysene	228	11.496	11.496	0.000	100	42871	0.2500	0.1783	
	31 Bis(2-ethylhexyl) phthalate	149	11.519	11.519	0.000	99	23783	0.2500	0.1959	
	32 Di-n-octyl phthalate	149	12.385	12.386	-0.001	97	34802	0.2500	0.1852	
	33 Benzo[b]fluoranthene	252	12.869	12.861	0.008	100	34962	0.2500	0.1728	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.907	12.907	0.000	100	48063	0.2500	0.2134	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.298	13.291	0.007	98	24745	0.2500	0.1725	
37 Benzo[a]pyrene	252	13.329	13.329	0.000	100	33633	0.2500	0.1781	
* 38 Perylene-d12	264	13.413	13.413	0.000	97	42766	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.030	15.023	0.007	97	22409	0.2500	0.1565	M
41 Dibenz(a,h)anthracene	278	15.080	15.073	0.007	98	22797	0.2500	0.1496	
42 Benzo[g,h,i]perylene	276	15.482	15.476	0.006	99	30869	0.2500	0.1683	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00036 Amount Added: 10.00 Units: uL Run Reagent

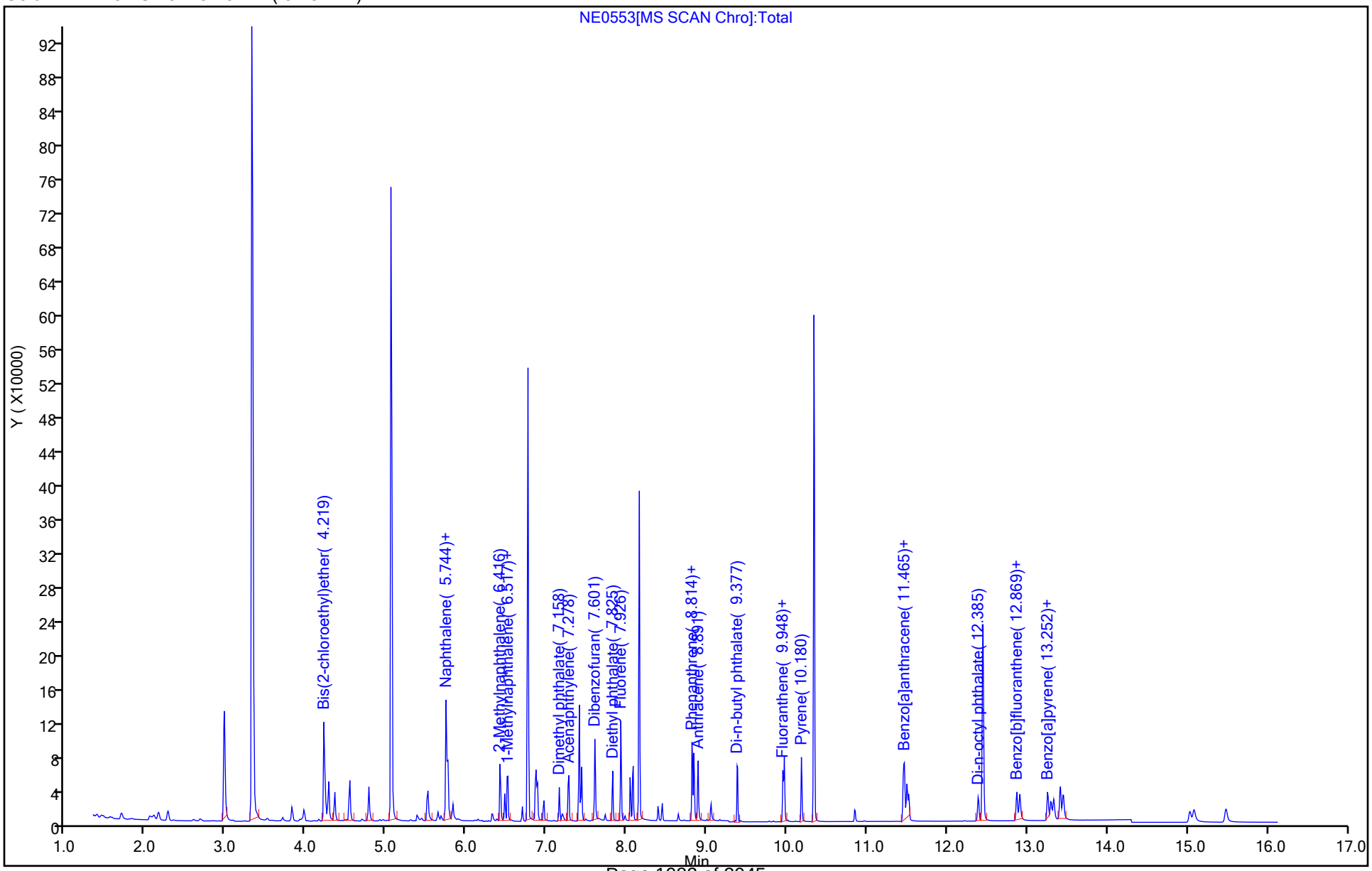
Report Date: 26-May-2023 20:30:07 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0553.D

Injection Date:	26-May-2023 05:40:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	LCS 410-380061/2-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\20230526-85101.b\NE0553.D
Lims ID: LCS 410-380061/2-A
Client ID:
Sample Type: LCS
Inject. Date: 26-May-2023 05:40:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-380061/2-A
Misc. Info.: 410-0085101-004
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:29:45 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: CTX1644

First Level Reviewer: UJM0 Date: 26-May-2023 06:22:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1094	43.77
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1720	68.81
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1725	68.99

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

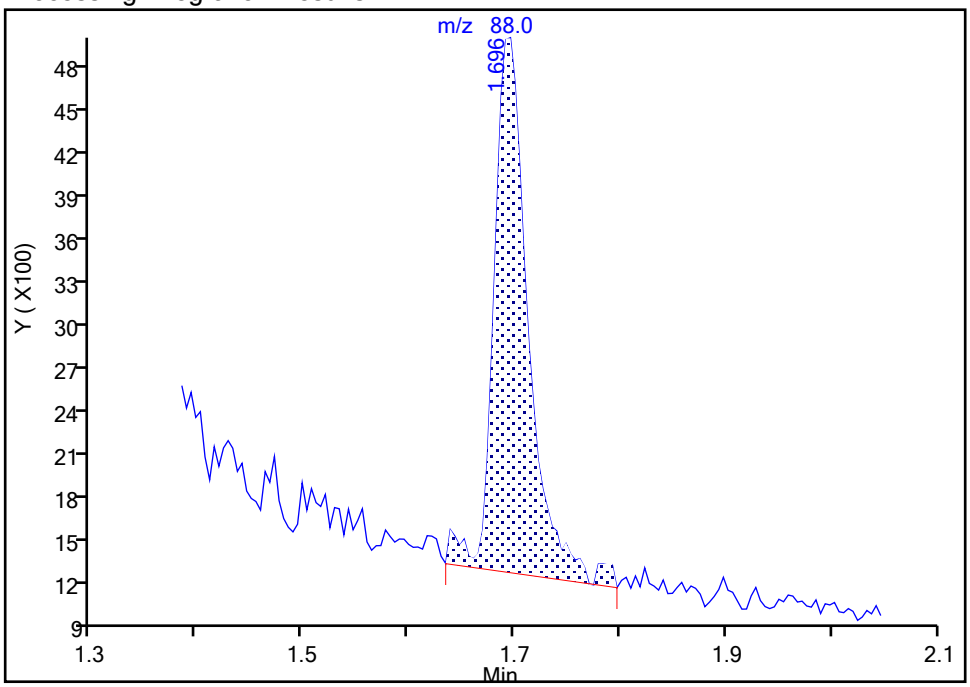
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0553.D				
Injection Date:	26-May-2023 05:40:30	Instrument ID:	HP23263		
Lims ID:	LCS 410-380061/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

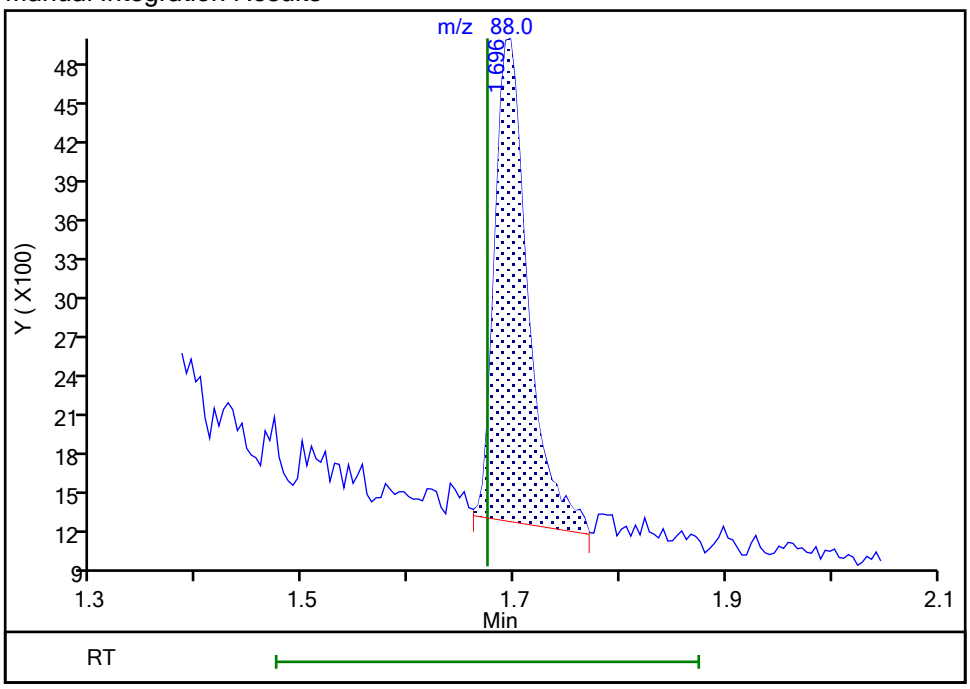
Processing Integration Results

RT: 1.70
Area: 8397
Amount: 0.102724
Amount Units: ug/ml



Manual Integration Results

RT: 1.70
Area: 8001
Amount: 0.097879
Amount Units: ug/ml



Reviewer: UJM0, 26-May-2023 06:21:50 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

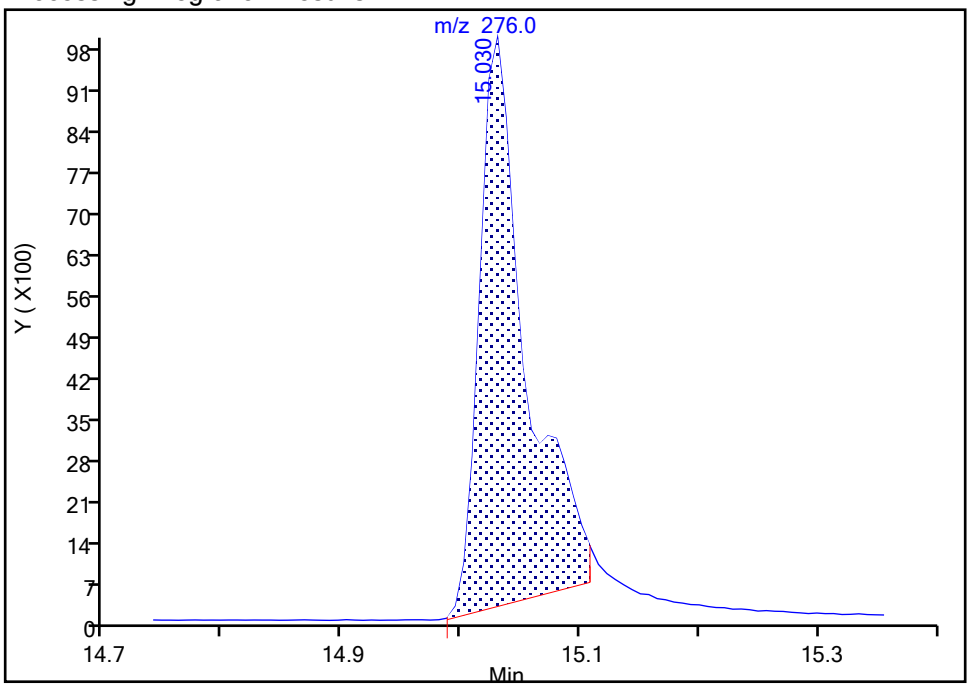
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0553.D				
Injection Date:	26-May-2023 05:40:30	Instrument ID:	HP23263		
Lims ID:	LCS 410-380061/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

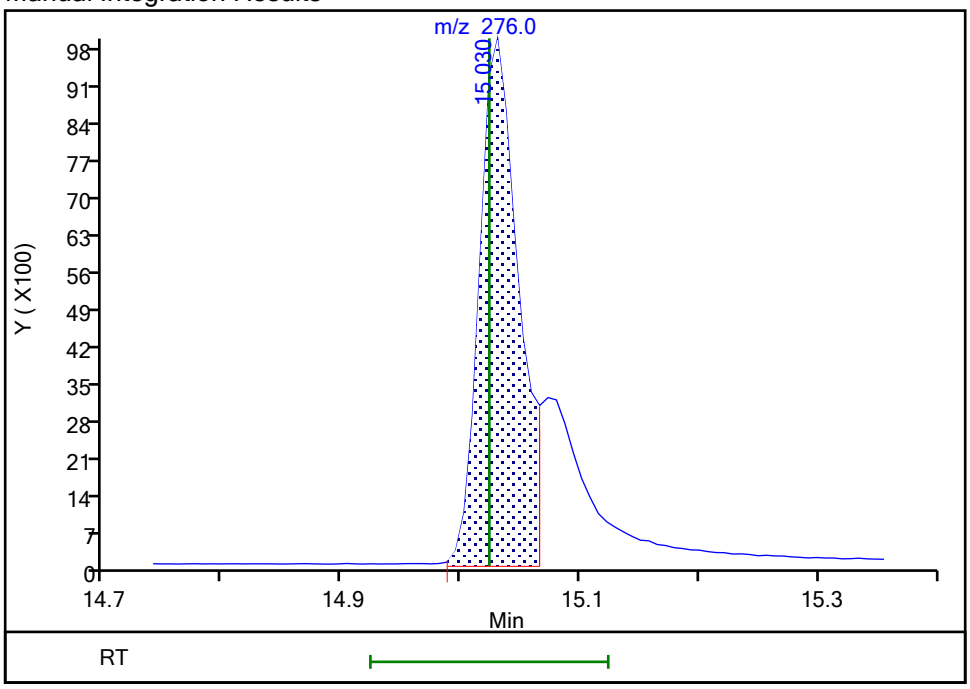
Processing Integration Results

RT: 15.03
Area: 26230
Amount: 0.183206
Amount Units: ug/ml



Manual Integration Results

RT: 15.03
Area: 22409
Amount: 0.156517
Amount Units: ug/ml



Reviewer: UJM0, 26-May-2023 06:22:17 -04:00:00 (UTC)

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.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-382041/2-A

Matrix: Water
Lab File ID: MF0055.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:47

Sample wt/vol: 250(mL)
Date Analyzed: 06/02/2023 06:57

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 382216
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	*1,4-Dioxane*	*0.375*		*0.30*	*0.10*
90-12-0	*1-Methylnaphthalene*	*0.512*		*0.050*	*0.020*
91-57-6	*2-Methylnaphthalene*	*0.508*		*0.050*	*0.020*
83-32-9	*Acenaphthene*	*0.586*		*0.050*	*0.010*
208-96-8	*Acenaphthylene*	*0.609*		*0.050*	*0.010*
120-12-7	*Anthracene*	*0.703*		*0.050*	*0.010*
56-55-3	*Benzo[a]anthracene*	*0.709*		*0.050*	*0.010*
50-32-8	*Benzo[a]pyrene*	*0.745*		*0.050*	*0.010*
205-99-2	*Benzo[b]fluoranthene*	*0.711*		*0.050*	*0.010*
191-24-2	*Benzo[g,h,i]perylene*	*0.723*		*0.050*	*0.010*
207-08-9	*Benzo[k]fluoranthene*	*0.835*		*0.050*	*0.010*
111-44-4	*Bis(2-chloroethyl)ether*	*0.574*		*0.050*	*0.020*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*1.04*		*1.0*	*0.050*
85-68-7	*Butylbenzylphthalate*	*0.638*	*J*	*1.0*	*0.050*
218-01-9	*Chrysene*	*0.686*		*0.050*	*0.010*
53-70-3	*Dibenz(a,h)anthracene*	*0.730*		*0.050*	*0.020*
132-64-9	*Dibenzofuran*	*0.596*		*0.050*	*0.010*
84-66-2	*Diethylphthalate*	*0.782*	*J*	*1.0*	*0.050*
131-11-3	*Dimethylphthalate*	*0.630*	*J*	*1.0*	*0.050*
84-74-2	*Di-n-butyl phthalate*	*0.873*	*J*	*1.0*	*0.050*
117-84-0	*Di-n-octyl phthalate*	*0.635*	*J*	*1.0*	*0.050*
206-44-0	*Fluoranthene*	*0.713*		*0.050*	*0.010*
86-73-7	*Fluorene*	*0.637*		*0.050*	*0.010*
118-74-1	*Hexachlorobenzene*	*0.550*		*0.050*	*0.020*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*0.705*		*0.050*	*0.020*
91-20-3	*Naphthalene*	*0.509*		*0.070*	*0.030*
62-75-9	*N-Nitrosodimethylamine*	*0.420*		*0.050*	*0.020*
85-01-8	*Phenanthrene*	*0.658*		*0.070*	*0.030*
129-00-0	*Pyrene*	*0.643*		*0.050*	*0.010*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-382041/2-A

Matrix: Water Lab File ID: MF0055.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 06/01/2023 15:47

Sample wt/vol: 250(mL) Date Analyzed: 06/02/2023 06:57

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 382216 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	58		33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	73		17-120
93951-69-0	Fluoranthene-d10 (Surr)	73		43-124

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0055.D
Lims ID: LCS 410-382041/2-A
Client ID:
Sample Type: LCS
Inject. Date: 02-Jun-2023 06:57:24 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-382041/2-
Misc. Info.: 410-0085590-006
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 05-Jun-2023 04:54:48 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: UJM0 Date: 02-Jun-2023 07:26:48

	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	1.648	1.635	0.013	84	8880	0.2500	0.0938	M
	2 N-Nitrosodimethylamine	74	1.951	1.929	0.022	92	12473	0.2500	0.1051	
	3 Bis(2-chloroethyl)ether	93	4.206	4.206	0.000	83	32314	0.2500	0.1435	
*	4 1,4-Dichlorobenzene-d4	152	4.468	4.468	0.000	100	38610	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.681	5.681	-0.001	91	139783	0.2500	0.2500	
	6 Naphthalene	128	5.705	5.706	-0.001	91	82706	0.2500	0.1273	M
	8 2-Methylnaphthalene	142	6.362	6.362	0.000	96	55229	0.2500	0.1270	
$	9 1-Methylnaphthalene-d10	152	6.421	6.421	0.000	98	49336	0.2500	0.1450	
	10 1-Methylnaphthalene	142	6.450	6.460	-0.010	100	51914	0.2500	0.1279	
	11 Dimethyl phthalate	163	7.110	7.101	0.000	78	65526	0.2500	0.1574	
	12 Acenaphthylene	152	7.209	7.209	-0.010	100	88366	0.2500	0.1523	M
*	13 Acenaphthene-d10	164	7.347	7.357	-0.010	97	77634	0.2500	0.2500	
	14 Acenaphthene	154	7.376	7.366	0.000	89	55089	0.2500	0.1465	
	15 Dibenzofuran	168	7.544	7.544	-0.010	83	97634	0.2500	0.1490	
	16 Diethyl phthalate	149	7.779	7.779	0.000	97	72953	0.2500	0.1954	
	17 Fluorene	166	7.873	7.862	0.000	96	76514	0.2500	0.1593	
	19 Hexachlorobenzene	284	8.396	8.396	0.000	91	27132	0.2500	0.1374	
*	20 Phenanthrene-d10	188	8.755	8.755	0.000	95	156014	0.2500	0.2500	
	21 Phenanthrene	178	8.778	8.778	0.000	100	127542	0.2500	0.1644	
	22 Anthracene	178	8.825	8.833	-0.008	100	118361	0.2500	0.1758	
	23 Di-n-butyl phthalate	149	9.334	9.340	-0.006	100	116326	0.2500	0.2182	
$	24 Fluoranthene-d10 (Surr)	212	9.892	9.892	0.000	97	129259	0.2500	0.1813	
	25 Fluoranthene	202	9.904	9.911	-0.007	99	155020	0.2500	0.1782	
	26 Pyrene	202	10.117	10.124	-0.007	98	161121	0.2500	0.1608	
	27 Butyl benzyl phthalate	149	10.783	10.791	-0.008	100	37119	0.2500	0.1594	
	28 Benzo[a]anthracene	228	11.359	11.359	0.000	100	144740	0.2500	0.1772	
*	29 Chrysene-d12	240	11.366	11.374	-0.008	70	156006	0.2500	0.2500	
	30 Chrysene	228	11.397	11.397	0.000	100	170444	0.2500	0.1716	
	31 Bis(2-ethylhexyl) phthalate	149	11.451	11.451	0.000	99	53397	0.2500	0.2603	
	32 Di-n-octyl phthalate	149	12.279	12.287	-0.008	100	73179	0.2500	0.1587	
	33 Benzo[b]fluoranthene	252	12.716	12.716	0.000	100	147280	0.2500	0.1779	

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	12.754	12.755	0.000	100	184467	0.2500	0.2089	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.123	13.130	-0.007	100	105343	0.2500	0.1828	
37 Benzo[a]pyrene	252	13.161	13.161	0.000	100	139587	0.2500	0.1863	
* 38 Perylene-d12	264	13.238	13.245	-0.007	100	156712	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.773	14.773	0.000	99	121478	0.2500	0.1763	M
41 Dibenz(a,h)anthracene	278	14.822	14.823	0.000	98	144912	0.2500	0.1825	
42 Benzo[g,h,i]perylene	276	15.183	15.190	-0.007	96	158670	0.2500	0.1808	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00037 Amount Added: 10.00 Units: uL Run Reagent

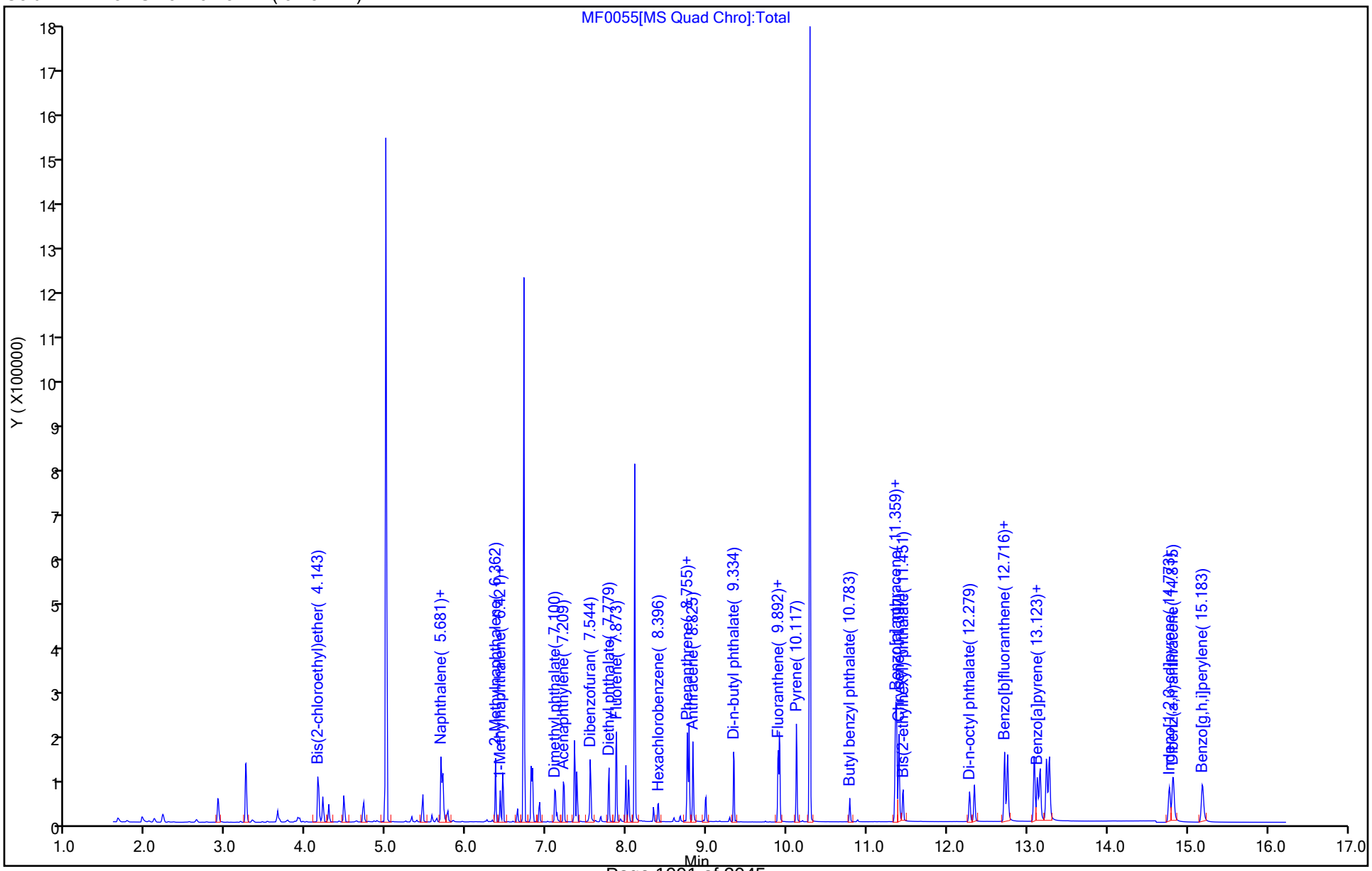
Report Date: 05-Jun-2023 05:02:52 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0055.D

Injection Date:	02-Jun-2023 06:57:24	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	LCS 410-382041/2-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)



Report Date: 05-Jun-2023 05:02:52 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0055.D
Lims ID: LCS 410-382041/2-A
Client ID:
Sample Type: LCS
Inject. Date: 02-Jun-2023 06:57:24 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-382041/2-
Misc. Info.: 410-0085590-006
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 05-Jun-2023 04:54:48 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: UJM0 Date: 02-Jun-2023 07:26:48

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1450	57.98
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1813	72.50
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1828	73.12

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

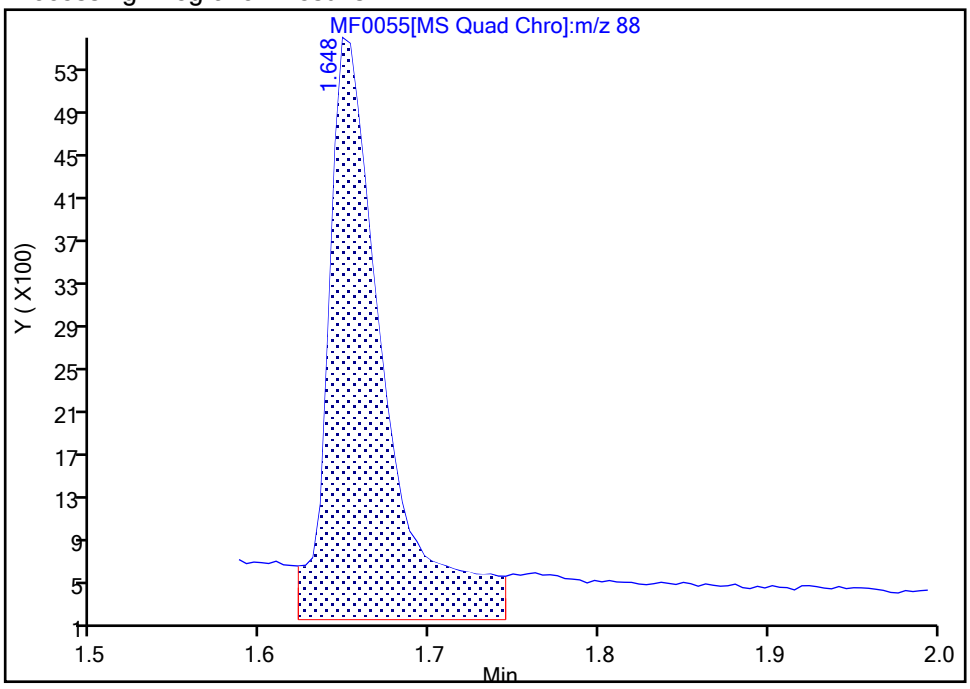
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0055.D				
Injection Date:	02-Jun-2023 06:57:24	Instrument ID:	HP21585		
Lims ID:	LCS 410-382041/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

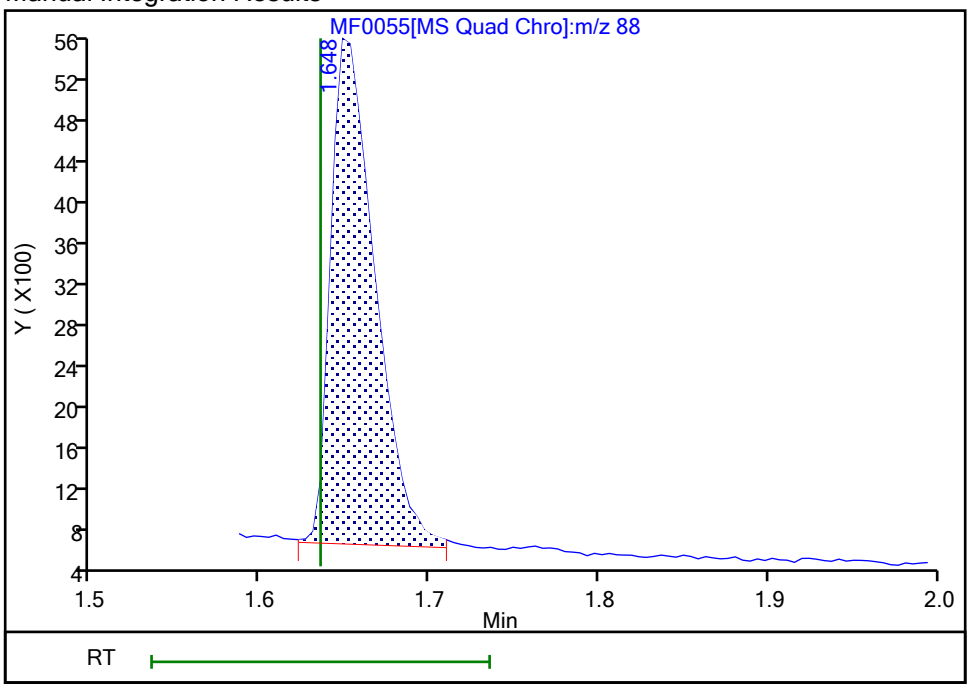
Processing Integration Results

RT: 1.65
Area: 12138
Amount: 0.128178
Amount Units: ug/ml



Manual Integration Results

RT: 1.65
Area: 8880
Amount: 0.093773
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 07:26:10 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

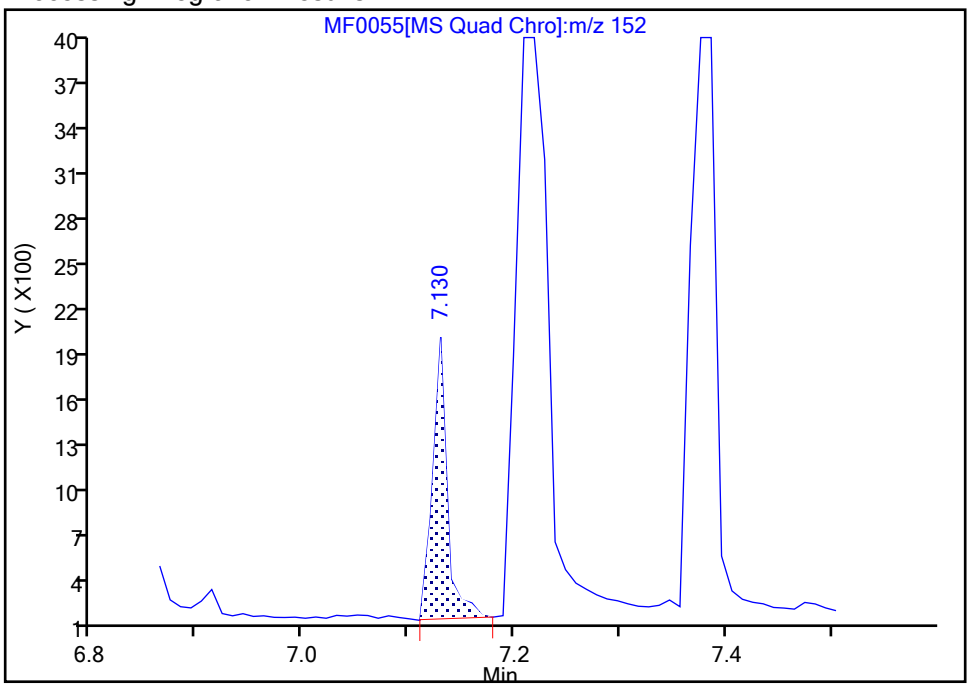
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0055.D				
Injection Date:	02-Jun-2023 06:57:24	Instrument ID:	HP21585		
Lims ID:	LCS 410-382041/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

12 Acenaphthylene, CAS: 208-96-8

Signal: 1

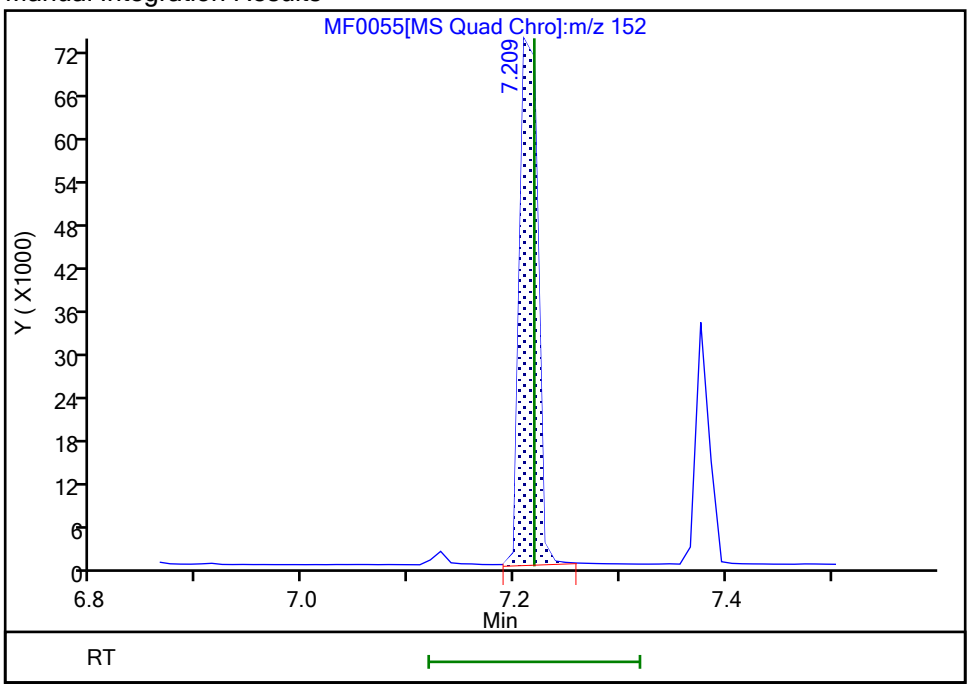
Processing Integration Results

RT: 7.13
Area: 1788
Amount: 0.003081
Amount Units: ug/ml



Manual Integration Results

RT: 7.21
Area: 88366
Amount: 0.152261
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 07:26:29 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

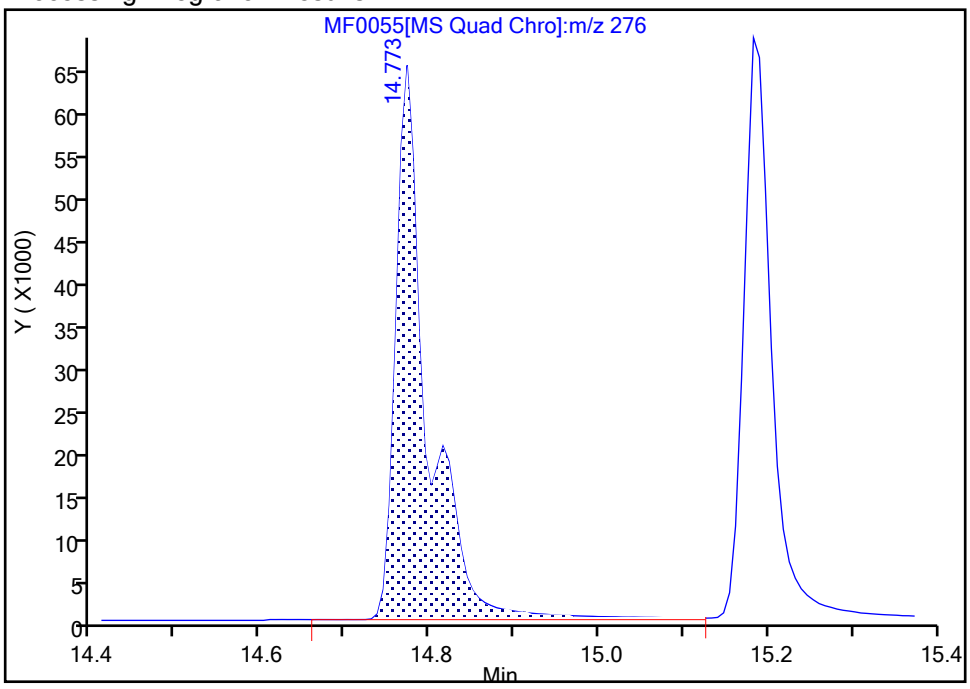
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0055.D				
Injection Date:	02-Jun-2023 06:57:24	Instrument ID:	HP21585		
Lims ID:	LCS 410-382041/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

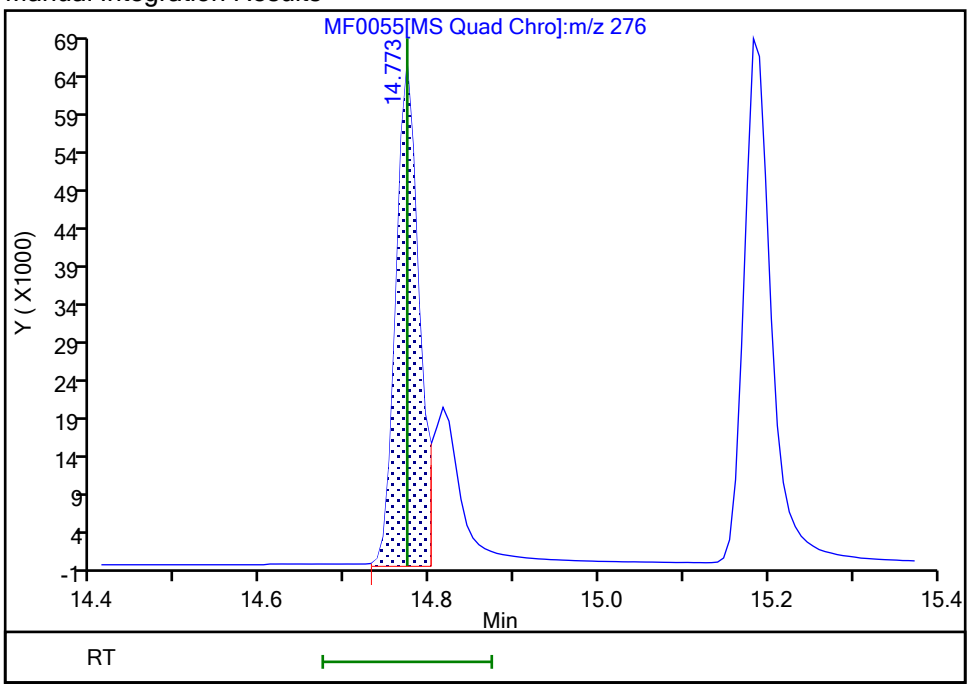
Processing Integration Results

RT: 14.77
Area: 173266
Amount: 0.251481
Amount Units: ug/ml



Manual Integration Results

RT: 14.77
Area: 121478
Amount: 0.176315
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 07:26:46 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

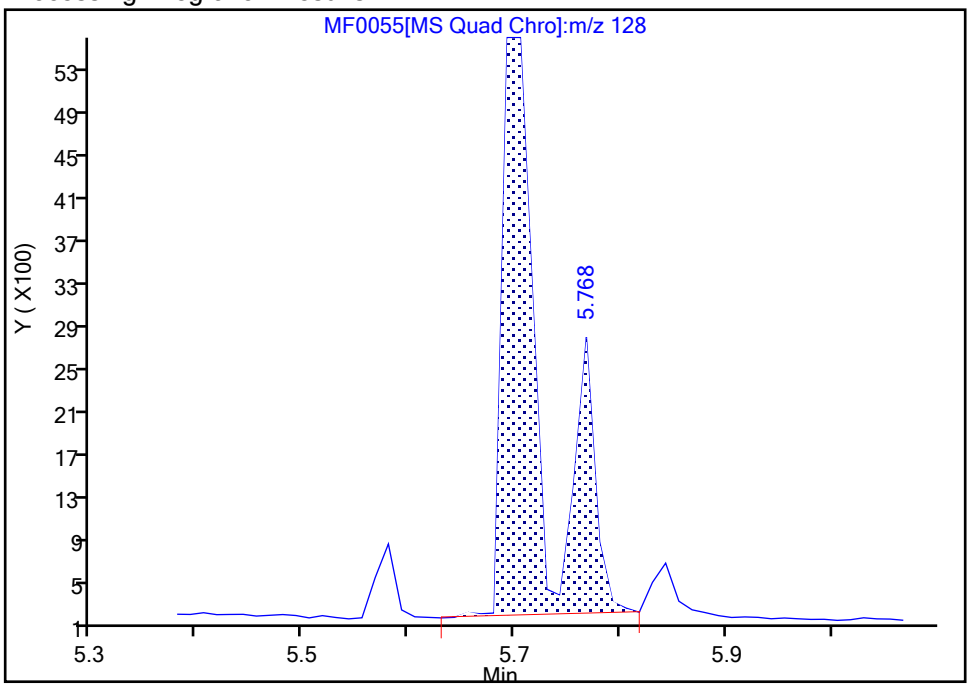
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0055.D				
Injection Date:	02-Jun-2023 06:57:24	Instrument ID:	HP21585		
Lims ID:	LCS 410-382041/2-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

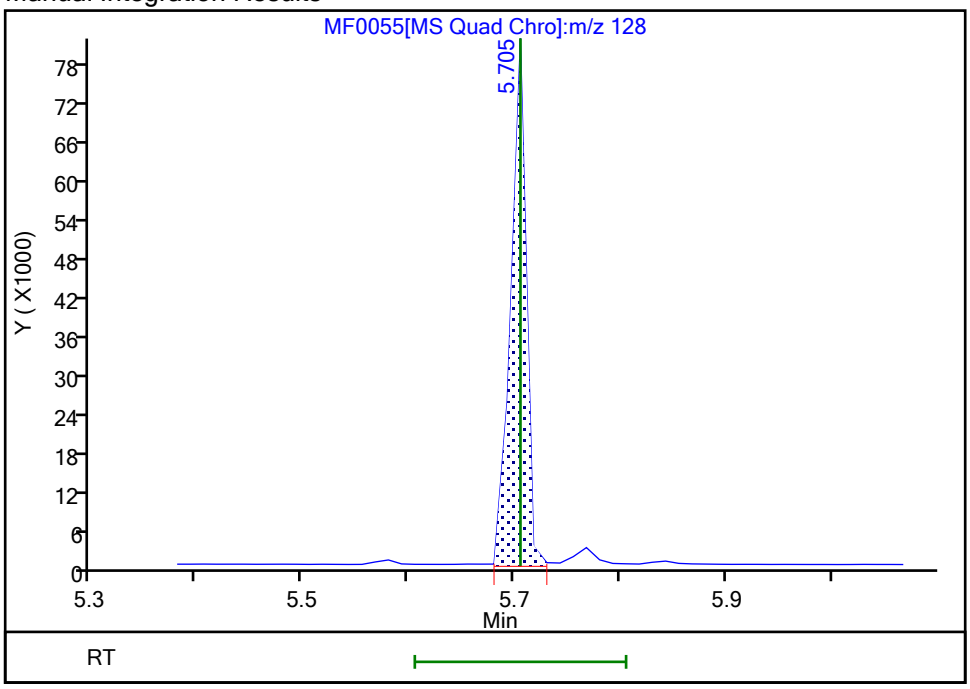
Processing Integration Results

RT: 5.77
Area: 85932
Amount: 0.132310
Amount Units: ug/ml



Manual Integration Results

RT: 5.71
Area: 82706
Amount: 0.127342
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 07:26:20 -04:00:00 (UTC)

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.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-380061/3-A

Matrix: Water
Lab File ID: NE0554.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 250(mL)
Date Analyzed: 05/26/2023 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.: 380221
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.358		0.30	0.10
90-12-0	1-Methylnaphthalene	0.558		0.050	0.020
91-57-6	2-Methylnaphthalene	0.520		0.050	0.020
83-32-9	Acenaphthene	0.655		0.050	0.010
208-96-8	Acenaphthylene	0.664		0.050	0.010
120-12-7	Anthracene	0.782		0.050	0.010
56-55-3	Benzo[a]anthracene	0.784		0.050	0.010
50-32-8	Benzo[a]pyrene	0.830		0.050	0.010
205-99-2	Benzo[b]fluoranthene	0.817		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	0.760		0.050	0.010
207-08-9	Benzo[k]fluoranthene	0.970		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	0.665		0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.931	J	1.0	0.050
85-68-7	Butylbenzylphthalate	0.703	J	1.0	0.050
218-01-9	Chrysene	0.847		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	0.701		0.050	0.020
132-64-9	Dibenzofuran	0.676		0.050	0.010
84-66-2	Diethylphthalate	0.818	J	1.0	0.050
131-11-3	Dimethylphthalate	0.659	J	1.0	0.050
84-74-2	Di-n-butyl phthalate	0.913	J	1.0	0.050
117-84-0	Di-n-octyl phthalate	0.846	J	1.0	0.050
206-44-0	Fluoranthene	0.801		0.050	0.010
86-73-7	Fluorene	0.720		0.050	0.010
118-74-1	Hexachlorobenzene	0.673		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.731		0.050	0.020
91-20-3	Naphthalene	0.516		0.070	0.030
62-75-9	N-Nitrosodimethylamine	0.489		0.050	0.020
85-01-8	Phenanthrene	0.800		0.070	0.030
129-00-0	Pyrene	0.815		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-380061/3-A

Matrix: Water
Lab File ID: NE0554.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 250(mL)
Date Analyzed: 05/26/2023 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.: 380221
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	58		33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	81		17-120
93951-69-0	Fluoranthene-d10 (Surr)	81		43-124

Report Date: 26-May-2023 20:30:08 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0554.D
Lims ID: LCSD 410-380061/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 26-May-2023 06:01:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-380061/3-A
Misc. Info.: 410-0085101-005
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:29:45 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: CTX1644

First Level Reviewer: UJM0 Date: 26-May-2023 06:23:19

	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	1.683	1.674	0.009	88	7695	0.2500	0.0896	
	2 N-Nitrosodimethylamine	74	2.038	1.994	0.044	78	12050	0.2500	0.1223	
	3 Bis(2-chloroethyl)ether	93	4.282	4.282	0.000	96	34982	0.2500	0.1662	
*	4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	99	38708	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.744	5.744	0.000	100	142915	0.2500	0.2500	
	6 Naphthalene	128	5.769	5.769	0.000	99	72744	0.2500	0.1290	
	8 2-Methylnaphthalene	142	6.416	6.417	-0.001	97	48739	0.2500	0.1301	
$	9 1-Methylnaphthalene-d10	152	6.477	6.477	0.000	100	36204	0.2500	0.1456	
	10 1-Methylnaphthalene	142	6.517	6.507	0.010	97	44563	0.2500	0.1395	
	11 Dimethyl phthalate	163	7.158	7.158	0.000	99	40352	0.2500	0.1648	
	12 Acenaphthylene	152	7.278	7.278	0.000	97	70715	0.2500	0.1661	
*	13 Acenaphthene-d10	164	7.408	7.408	0.000	96	56702	0.2500	0.2500	
	14 Acenaphthene	154	7.438	7.438	0.000	94	41172	0.2500	0.1637	
	15 Dibenzofuran	168	7.601	7.602	-0.001	99	66464	0.2500	0.1690	
	16 Diethyl phthalate	149	7.825	7.826	-0.001	98	48004	0.2500	0.2045	
	17 Fluorene	166	7.926	7.926	0.000	98	51100	0.2500	0.1801	
	19 Hexachlorobenzene	284	8.443	8.443	0.000	87	15242	0.2500	0.1683	
*	20 Phenanthrene-d10	188	8.814	8.814	0.000	99	84772	0.2500	0.2500	
	21 Phenanthrene	178	8.837	8.837	0.000	100	70876	0.2500	0.1999	
	22 Anthracene	178	8.891	8.883	0.008	100	67203	0.2500	0.1956	
	23 Di-n-butyl phthalate	149	9.377	9.378	-0.007	100	75291	0.2500	0.2283	
$	24 Fluoranthene-d10 (Surr)	212	9.948	9.948	0.000	99	55742	0.2500	0.2035	
	25 Fluoranthene	202	9.967	9.967	0.000	98	68450	0.2500	0.2003	
	26 Pyrene	202	10.180	10.180	0.000	98	71233	0.2500	0.2037	
	27 Butyl benzyl phthalate	149	10.852	10.852	0.000	100	18841	0.2500	0.1758	
	28 Benzo[a]anthracene	228	11.457	11.450	0.007	94	50781	0.2500	0.1960	
*	29 Chrysene-d12	240	11.465	11.465	0.000	94	51066	0.2500	0.2500	
	30 Chrysene	228	11.496	11.496	0.000	100	55254	0.2500	0.2118	
	31 Bis(2-ethylhexyl) phthalate	149	11.519	11.519	0.000	98	30633	0.2500	0.2327	
	32 Di-n-octyl phthalate	149	12.385	12.386	-0.001	97	43103	0.2500	0.2115	
	33 Benzo[b]fluoranthene	252	12.869	12.861	0.008	100	44808	0.2500	0.2042	

Report Date: 26-May-2023 20:30:08 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0554.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.907	12.907	0.000	100	59223	0.2500	0.2424	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.298	13.291	0.007	97	31675	0.2500	0.2035	
37 Benzo[a]pyrene	252	13.329	13.329	0.000	100	42486	0.2500	0.2074	
* 38 Perylene-d12	264	13.413	13.413	0.000	96	46386	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.030	15.023	0.007	97	28384	0.2500	0.1828	M
41 Dibenz(a,h)anthracene	278	15.080	15.073	0.007	98	28975	0.2500	0.1753	
42 Benzo[g,h,i]perylene	276	15.475	15.476	-0.001	100	37806	0.2500	0.1900	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00036 Amount Added: 10.00 Units: uL Run Reagent

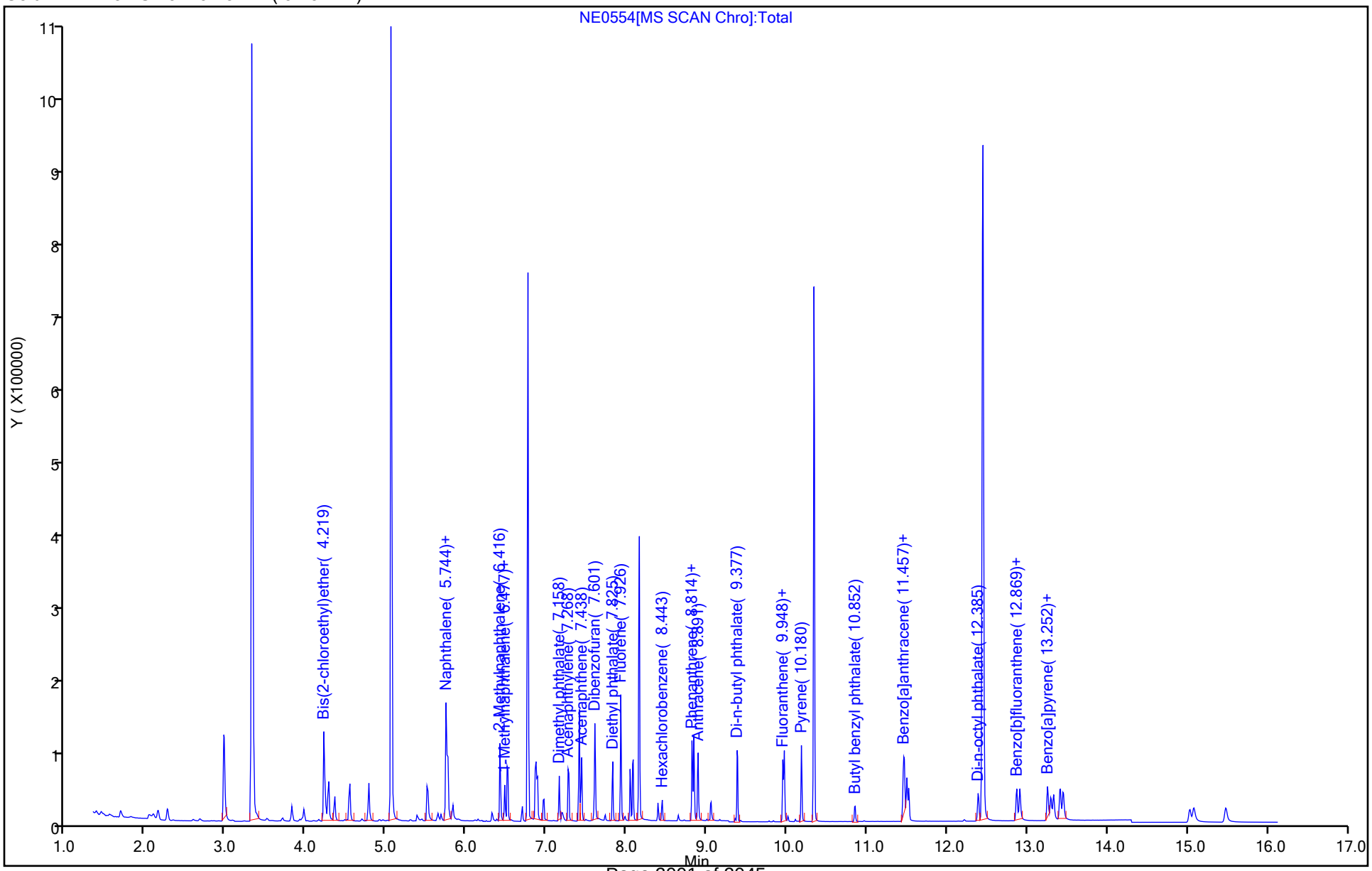
Report Date: 26-May-2023 20:30:08 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0554.D

Injection Date:	26-May-2023 06:01:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	LCSD 410-380061/3-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\20230526-85101.b\NE0554.D
Lims ID: LCSD 410-380061/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 26-May-2023 06:01:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-380061/3-A
Misc. Info.: 410-0085101-005
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:29:45 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: CTX1644

First Level Reviewer: UJM0 Date: 26-May-2023 06:23:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1456	58.23
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2035	81.38
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2035	81.41

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

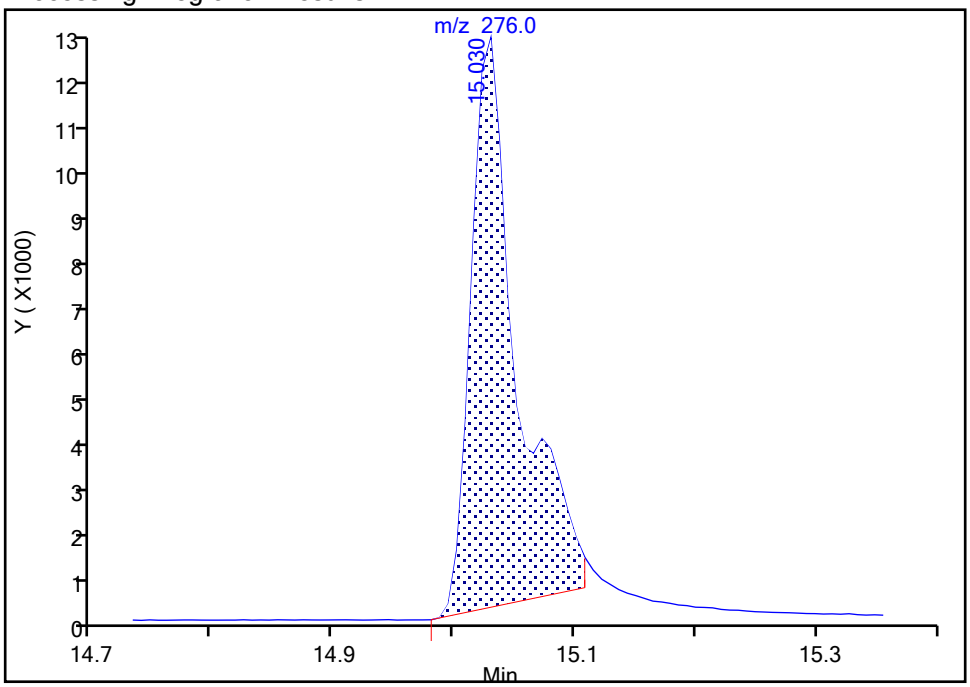
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0554.D				
Injection Date:	26-May-2023 06:01:30	Instrument ID:	HP23263		
Lims ID:	LCSD 410-380061/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

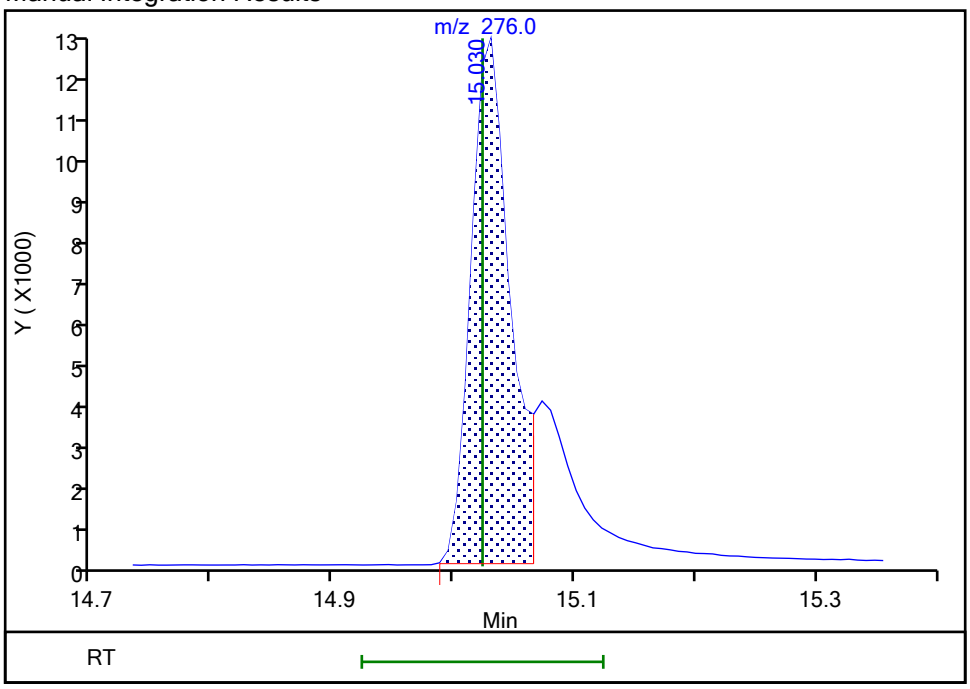
Processing Integration Results

RT: 15.03
Area: 33231
Amount: 0.213991
Amount Units: ug/ml



Manual Integration Results

RT: 15.03
Area: 28384
Amount: 0.182779
Amount Units: ug/ml



Reviewer: UJM0, 26-May-2023 06:23:00 -04:00:00 (UTC)

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.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-382041/3-A

Matrix: Water
Lab File ID: MF0056.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:47

Sample wt/vol: 250(mL)
Date Analyzed: 06/02/2023 07:18

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.: 382216
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	*1,4-Dioxane*	*0.417*		*0.30*	*0.10*
90-12-0	*1-Methylnaphthalene*	*0.477*		*0.050*	*0.020*
91-57-6	*2-Methylnaphthalene*	*0.476*		*0.050*	*0.020*
83-32-9	*Acenaphthene*	*0.626*		*0.050*	*0.010*
208-96-8	*Acenaphthylene*	*0.624*		*0.050*	*0.010*
120-12-7	*Anthracene*	*0.793*		*0.050*	*0.010*
56-55-3	*Benzo[a]anthracene*	*0.788*		*0.050*	*0.010*
50-32-8	*Benzo[a]pyrene*	*0.839*		*0.050*	*0.010*
205-99-2	*Benzo[b]fluoranthene*	*0.779*		*0.050*	*0.010*
191-24-2	*Benzo[g,h,i]perylene*	*0.776*		*0.050*	*0.010*
207-08-9	*Benzo[k]fluoranthene*	*0.914*		*0.050*	*0.010*
111-44-4	*Bis(2-chloroethyl)ether*	*0.548*		*0.050*	*0.020*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*1.08*		*1.0*	*0.050*
85-68-7	*Butylbenzylphthalate*	*0.779*	*J*	*1.0*	*0.050*
218-01-9	*Chrysene*	*0.755*		*0.050*	*0.010*
53-70-3	*Dibenz(a,h)anthracene*	*0.787*		*0.050*	*0.020*
132-64-9	*Dibenzofuran*	*0.629*		*0.050*	*0.010*
84-66-2	*Diethylphthalate*	*0.899*	*J*	*1.0*	*0.050*
131-11-3	*Dimethylphthalate*	*0.760*	*J*	*1.0*	*0.050*
84-74-2	*Di-n-butyl phthalate*	*0.961*	*J*	*1.0*	*0.050*
117-84-0	*Di-n-octyl phthalate*	*0.677*	*J*	*1.0*	*0.050*
206-44-0	*Fluoranthene*	*0.794*		*0.050*	*0.010*
86-73-7	*Fluorene*	*0.681*		*0.050*	*0.010*
118-74-1	*Hexachlorobenzene*	*0.593*		*0.050*	*0.020*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*0.770*		*0.050*	*0.020*
91-20-3	*Naphthalene*	*0.490*		*0.070*	*0.030*
62-75-9	*N-Nitrosodimethylamine*	*0.386*		*0.050*	*0.020*
85-01-8	*Phenanthrene*	*0.726*		*0.070*	*0.030*
129-00-0	*Pyrene*	*0.734*		*0.050*	*0.010*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-382041/3-A

Matrix: Water
Lab File ID: MF0056.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/01/2023 15:47

Sample wt/vol: 250(mL)
Date Analyzed: 06/02/2023 07:18

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.: 382216
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	51		33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	79		17-120
93951-69-0	Fluoranthene-d10 (Surr)	78		43-124

Report Date: 05-Jun-2023 05:02:53 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0056.D
Lims ID: LCSD 410-382041/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 02-Jun-2023 07:18:46 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-382041/3-A
Misc. Info.: 410-0085590-007
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 05-Jun-2023 04:54:48 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: UJM0 Date: 02-Jun-2023 07:53:38

	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	1.635	0.114	85	9781	0.2500	0.1044	a
	2 N-Nitrosodimethylamine	74	2.030	1.929	0.101	90	11328	0.2500	0.0965	a
	3 Bis(2-chloroethyl)ether	93	4.218	4.206	0.012	93	32370	0.2500	0.1369	
*	4 1,4-Dichlorobenzene-d4	152	4.481	4.468	0.013	65	38209	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.681	5.681	0.000	91	146747	0.2500	0.2500	
	6 Naphthalene	128	5.706	5.706	0.000	94	83589	0.2500	0.1226	
	8 2-Methylnaphthalene	142	6.362	6.362	0.000	95	54322	0.2500	0.1190	
$	9 1-Methylnaphthalene-d10	152	6.421	6.421	0.000	98	45258	0.2500	0.1267	
	10 1-Methylnaphthalene	142	6.451	6.460	-0.010	99	50786	0.2500	0.1192	
	11 Dimethyl phthalate	163	7.101	7.101	-0.010	80	80376	0.2500	0.1901	
	12 Acenaphthylene	152	7.209	7.209	-0.010	99	91917	0.2500	0.1559	
*	13 Acenaphthene-d10	164	7.347	7.357	-0.010	95	78870	0.2500	0.2500	
	14 Acenaphthene	154	7.376	7.366	0.000	89	59783	0.2500	0.1565	
	15 Dibenzofuran	168	7.544	7.544	-0.010	96	104575	0.2500	0.1571	
	16 Diethyl phthalate	149	7.771	7.779	-0.008	100	85190	0.2500	0.2246	
	17 Fluorene	166	7.865	7.862	-0.008	100	83130	0.2500	0.1704	
	19 Hexachlorobenzene	284	8.388	8.396	-0.008	95	29824	0.2500	0.1482	
*	20 Phenanthrene-d10	188	8.755	8.755	0.000	95	159051	0.2500	0.2500	
	21 Phenanthrene	178	8.778	8.778	0.000	100	143534	0.2500	0.1815	
	22 Anthracene	178	8.825	8.833	-0.008	100	136101	0.2500	0.1982	
	23 Di-n-butyl phthalate	149	9.334	9.340	-0.006	100	130571	0.2500	0.2402	
$	24 Fluoranthene-d10 (Surr)	212	9.892	9.892	0.000	98	141221	0.2500	0.1942	
	25 Fluoranthene	202	9.904	9.911	-0.007	100	175993	0.2500	0.1984	
	26 Pyrene	202	10.117	10.124	-0.007	98	185227	0.2500	0.1834	
	27 Butyl benzyl phthalate	149	10.783	10.791	-0.008	100	45703	0.2500	0.1948	
	28 Benzo[a]anthracene	228	11.359	11.359	0.000	100	162082	0.2500	0.1969	
*	29 Chrysene-d12	240	11.366	11.374	-0.008	73	157223	0.2500	0.2500	
	30 Chrysene	228	11.397	11.397	0.000	100	189021	0.2500	0.1888	
	31 Bis(2-ethylhexyl) phthalate	149	11.451	11.451	0.000	100	57561	0.2500	0.2705	
	32 Di-n-octyl phthalate	149	12.279	12.287	-0.008	100	79435	0.2500	0.1693	
	33 Benzo[b]fluoranthene	252	12.716	12.716	0.000	100	164092	0.2500	0.1947	

Report Date: 05-Jun-2023 05:02:53 Chrom Revision: 2.3 23-May-2023 13:55:56
Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0056.D

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	12.755	12.755	0.000	100	205313	0.2500	0.2284	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.130	13.130	0.000	100	116144	0.2500	0.1980	
37 Benzo[a]pyrene	252	13.161	13.161	0.000	100	159954	0.2500	0.2097	
* 38 Perylene-d12	264	13.238	13.245	-0.007	100	159504	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.773	14.773	0.000	100	134947	0.2500	0.1924	M
41 Dibenz(a,h)anthracene	278	14.815	14.823	-0.007	97	158952	0.2500	0.1966	
42 Benzo[g,h,i]perylene	276	15.183	15.190	-0.007	96	173380	0.2500	0.1941	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RVSIM_IS_00037 Amount Added: 10.00 Units: uL Run Reagent

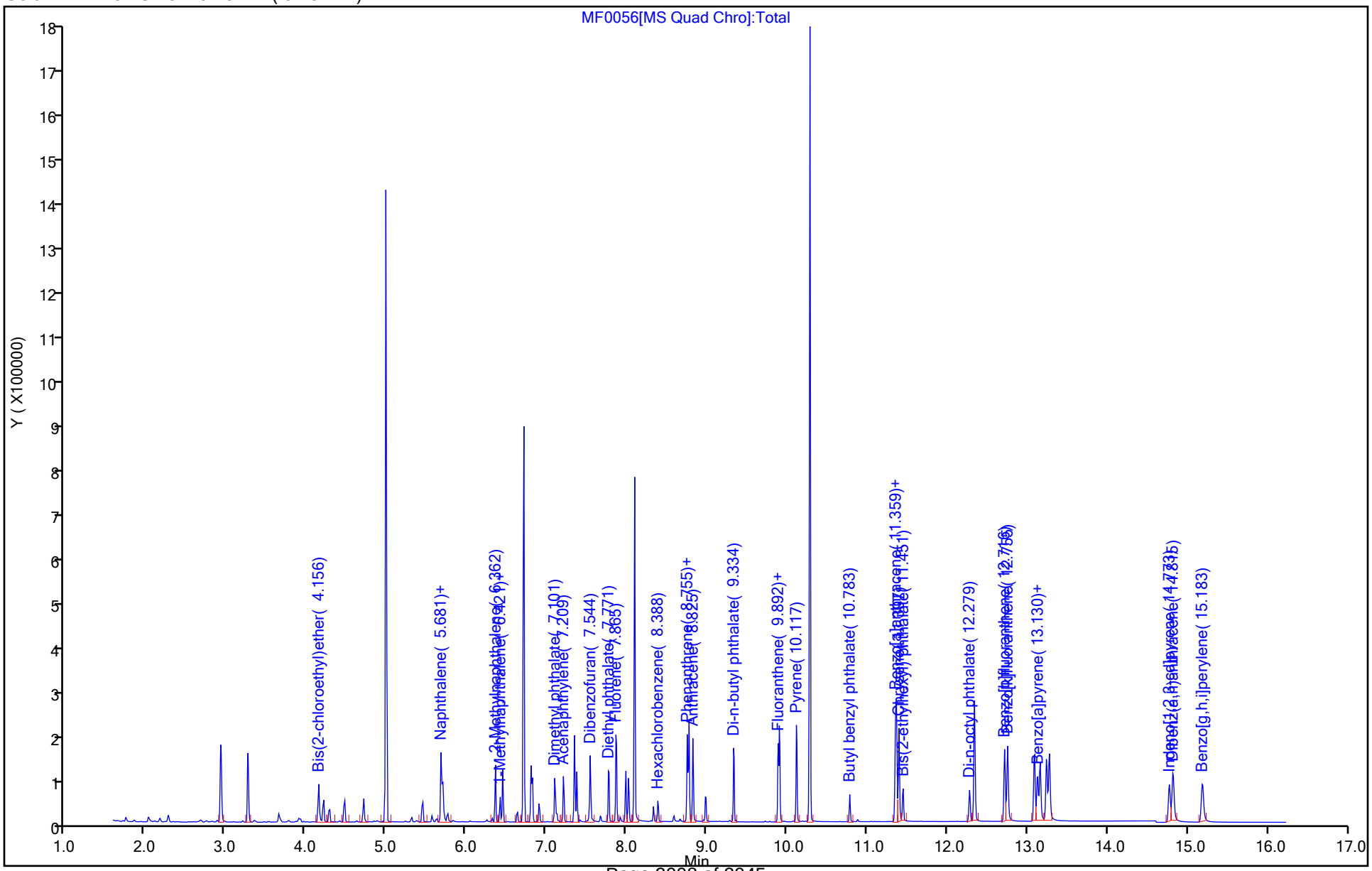
Report Date: 05-Jun-2023 05:02:53 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0056.D

Injection Date:	02-Jun-2023 07:18:46	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	LCSD 410-382041/3-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\20230602-85590.b\MF0056.D
Lims ID: LCSD 410-382041/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 02-Jun-2023 07:18:46 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-382041/3-A
Misc. Info.: 410-0085590-007
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 05-Jun-2023 04:54:48 Calib Date: 25-Apr-2023 08:11:13
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20230425-82279.b\MD0956.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: UJM0 Date: 02-Jun-2023 07:53:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1267	50.67
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1942	77.70
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1980	79.21

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

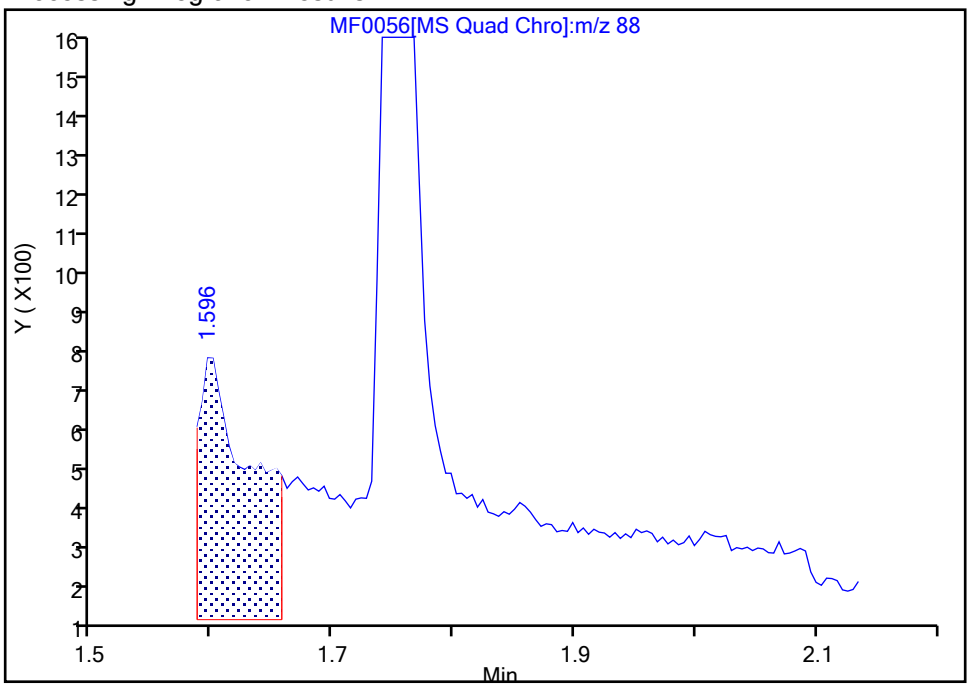
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0056.D				
Injection Date:	02-Jun-2023 07:18:46	Instrument ID:	HP21585		
Lims ID:	LCSD 410-382041/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

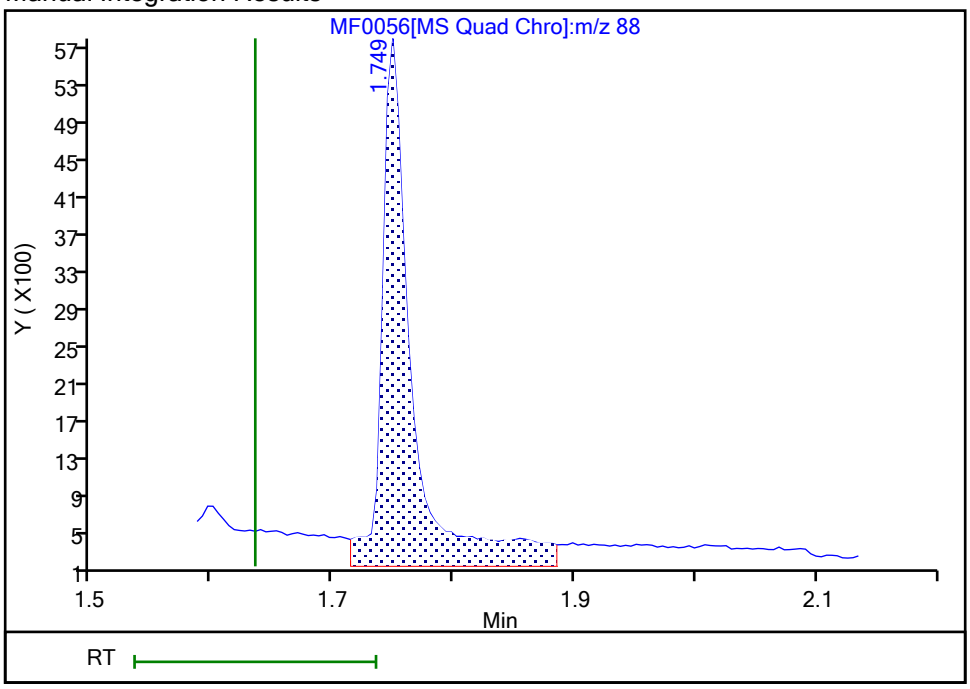
Processing Integration Results

RT: 1.60
Area: 1819
Amount: 0.019410
Amount Units: ug/ml



Manual Integration Results

RT: 1.75
Area: 9781
Amount: 0.104372
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 07:53:10 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

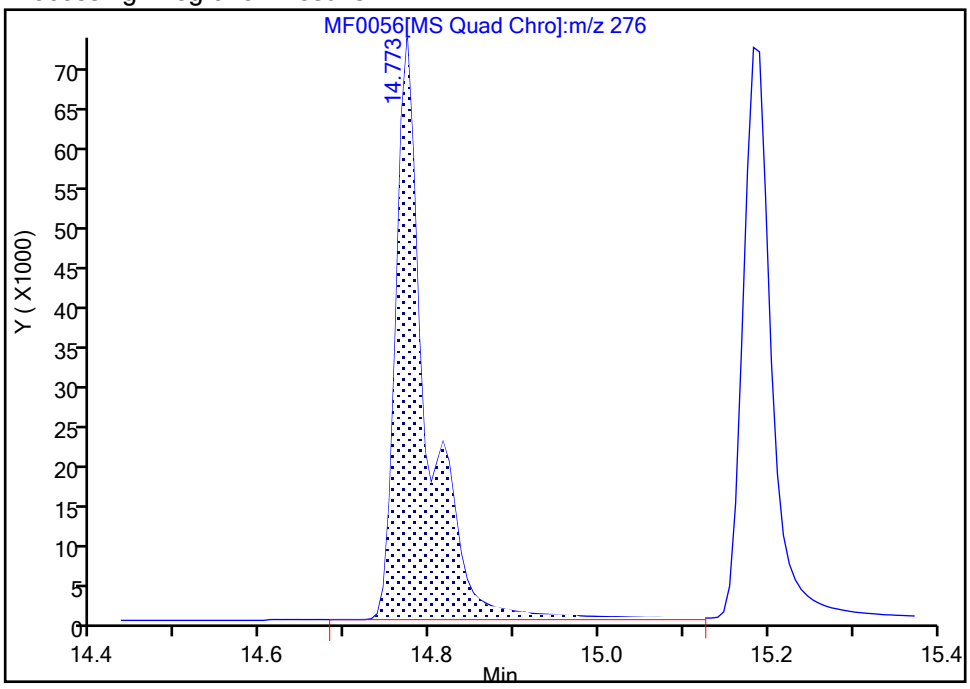
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0056.D				
Injection Date:	02-Jun-2023 07:18:46	Instrument ID:	HP21585		
Lims ID:	LCSD 410-382041/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	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

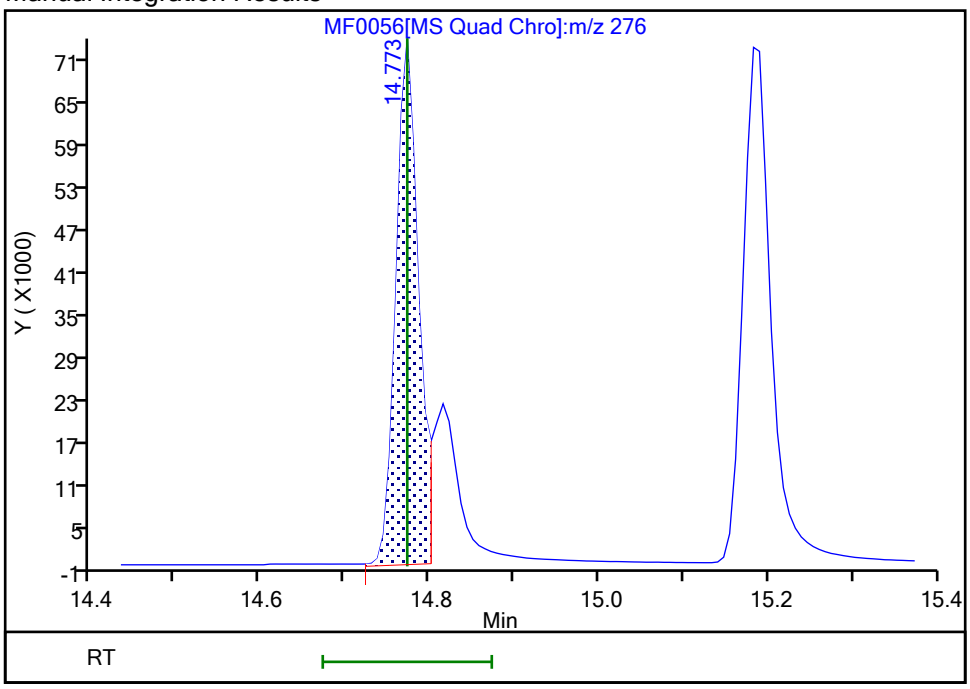
Processing Integration Results

RT: 14.77
Area: 190925
Amount: 0.272261
Amount Units: ug/ml



Manual Integration Results

RT: 14.77
Area: 134947
Amount: 0.192436
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 07:53:36 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

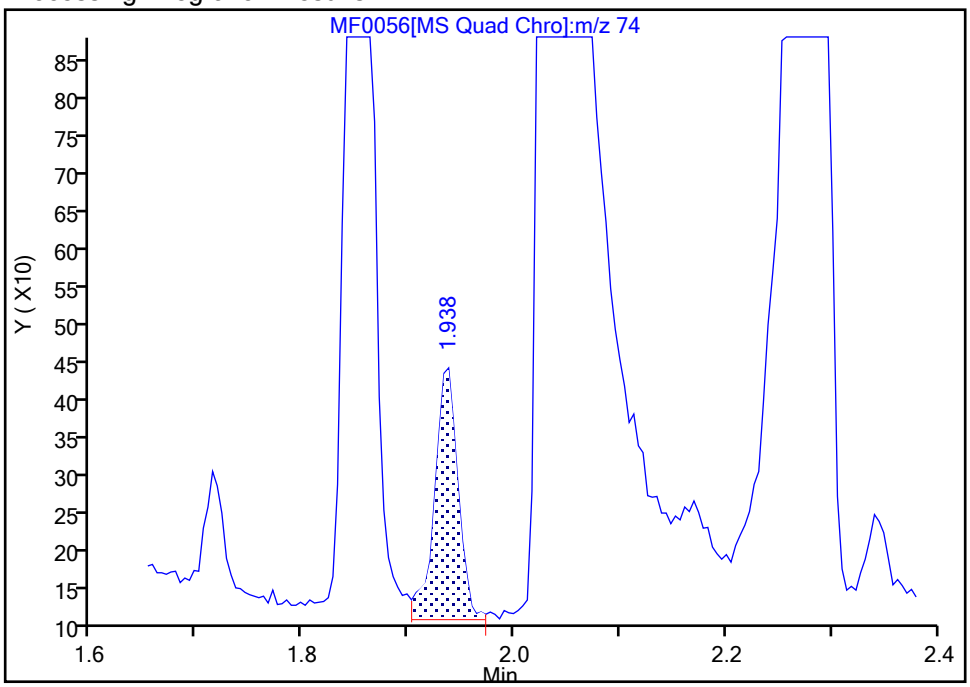
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20230602-85590.b\MF0056.D				
Injection Date:	02-Jun-2023 07:18:46	Instrument ID:	HP21585		
Lims ID:	LCSD 410-382041/3-A				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

2 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

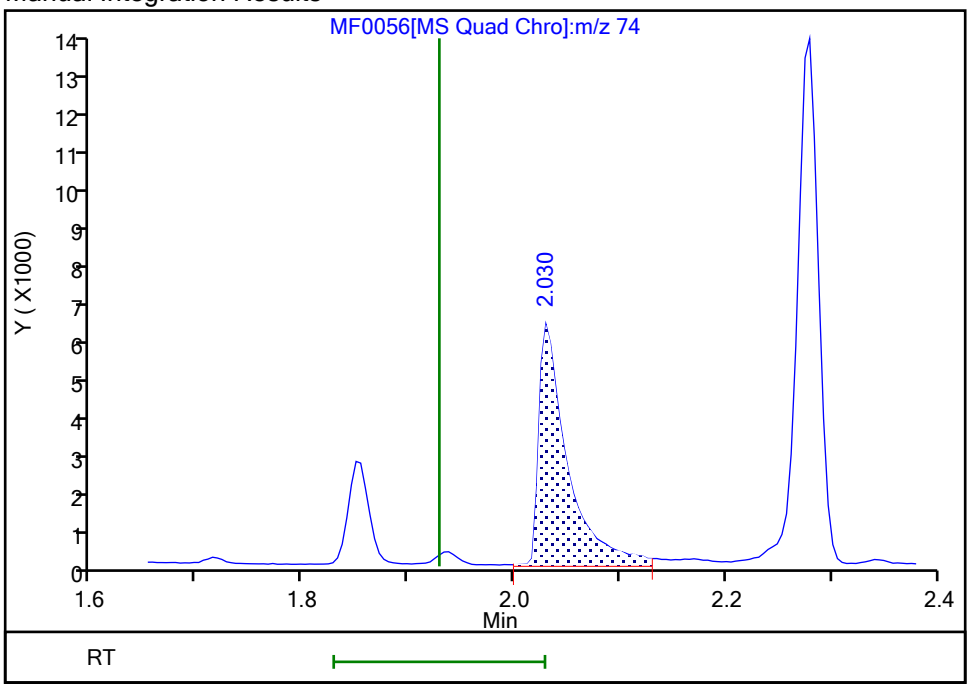
Processing Integration Results

RT: 1.94
Area: 514
Amount: 0.004377
Amount Units: ug/ml



Manual Integration Results

RT: 2.03
Area: 11328
Amount: 0.096473
Amount Units: ug/ml



Reviewer: UJM0, 02-Jun-2023 07:53:16 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MS_052023 MS
Lab Sample ID: 410-127407-3 MS

Matrix: Water
Lab File ID: NE0560.D

Analysis Method: 8270D SIM
Date Collected: 05/18/2023 10:43

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 242(mL)
Date Analyzed: 05/26/2023 08:12

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.: 380221
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.384		0.31	0.10
90-12-0	1-Methylnaphthalene	0.636		0.052	0.021
91-57-6	2-Methylnaphthalene	0.607		0.052	0.021
83-32-9	Acenaphthene	0.743		0.052	0.010
208-96-8	Acenaphthylene	0.749		0.052	0.010
120-12-7	Anthracene	0.807		0.052	0.010
56-55-3	Benzo[a]anthracene	0.799		0.052	0.010
50-32-8	Benzo[a]pyrene	0.805		0.052	0.010
205-99-2	Benzo[b]fluoranthene	0.787		0.052	0.010
191-24-2	Benzo[g,h,i]perylene	0.695		0.052	0.010
207-08-9	Benzo[k]fluoranthene	0.946		0.052	0.010
111-44-4	Bis(2-chloroethyl)ether	0.744		0.052	0.021
117-81-7	Bis(2-ethylhexyl) phthalate	0.851	J	1.0	0.052
85-68-7	Butylbenzylphthalate	0.831	J	1.0	0.052
218-01-9	Chrysene	0.858		0.052	0.010
53-70-3	Dibenz(a,h)anthracene	0.650		0.052	0.021
132-64-9	Dibenzofuran	0.730		0.052	0.010
84-66-2	Diethylphthalate	0.943	J	1.0	0.052
131-11-3	Dimethylphthalate	0.894	J	1.0	0.052
84-74-2	Di-n-butyl phthalate	0.981	J	1.0	0.052
117-84-0	Di-n-octyl phthalate	0.797	J	1.0	0.052
206-44-0	Fluoranthene	0.829		0.052	0.010
86-73-7	Fluorene	0.783		0.052	0.010
118-74-1	Hexachlorobenzene	0.742		0.052	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	0.649		0.052	0.021
91-20-3	Naphthalene	0.630		0.072	0.031
62-75-9	N-Nitrosodimethylamine	0.562		0.052	0.021
85-01-8	Phenanthrene	0.820		0.072	0.031
129-00-0	Pyrene	0.852		0.052	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MS_052023 MS Lab Sample ID: 410-127407-3 MS

Matrix: Water Lab File ID: NE0560.D

Analysis Method: 8270D SIM Date Collected: 05/18/2023 10:43

Extract. Method: 3510C Date Extracted: 05/25/2023 15:27

Sample wt/vol: 242(mL) Date Analyzed: 05/26/2023 08:12

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.: 380221 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	63	cn	33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	76	cn	17-120
93951-69-0	Fluoranthene-d10 (Surr)	82	cn	43-124

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0560.D
Lims ID: 410-127407-A-3-A MS
Client ID: FBW001-MS_052023
Sample Type: MS
Inject. Date: 26-May-2023 08:12:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-3-A MS
Misc. Info.: 410-0085101-011
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:29:45 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: CTX1644

First Level Reviewer: UJM0 Date: 26-May-2023 08:37:56

	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	1.683	1.674	0.009	90	7589	0.2500	0.0930	M
	2 N-Nitrosodimethylamine	74	2.038	1.994	0.044	81	12729	0.2500	0.1359	
	3 Bis(2-chloroethyl)ether	93	4.282	4.282	0.000	99	36272	0.2500	0.1800	
*	4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	98	36785	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.744	5.744	0.000	100	136805	0.2500	0.2500	
	6 Naphthalene	128	5.756	5.769	-0.013	97	81195	0.2500	0.1525	
	8 2-Methylnaphthalene	142	6.417	6.417	0.000	98	52713	0.2500	0.1470	
$	9 1-Methylnaphthalene-d10	152	6.477	6.477	0.000	100	37545	0.2500	0.1577	
	10 1-Methylnaphthalene	142	6.507	6.507	0.000	93	47088	0.2500	0.1540	
	11 Dimethyl phthalate	163	7.158	7.158	0.000	98	48813	0.2500	0.2164	
	12 Acenaphthylene	152	7.268	7.278	-0.010	99	71040	0.2500	0.1811	
*	13 Acenaphthene-d10	164	7.408	7.408	0.000	99	52233	0.2500	0.2500	
	14 Acenaphthene	154	7.438	7.438	0.000	94	41685	0.2500	0.1799	
	15 Dibenzofuran	168	7.602	7.602	0.000	100	63988	0.2500	0.1767	
	16 Diethyl phthalate	149	7.825	7.826	-0.001	98	49318	0.2500	0.2281	
	17 Fluorene	166	7.926	7.926	0.000	98	49544	0.2500	0.1896	
	19 Hexachlorobenzene	284	8.443	8.443	0.000	86	15102	0.2500	0.1796	
*	20 Phenanthrene-d10	188	8.814	8.814	0.000	99	78706	0.2500	0.2500	
	21 Phenanthrene	178	8.837	8.837	0.000	100	65342	0.2500	0.1985	
	22 Anthracene	178	8.891	8.883	0.008	99	62344	0.2500	0.1954	
	23 Di-n-butyl phthalate	149	9.378	9.378	-0.006	100	72660	0.2500	0.2373	
$	24 Fluoranthene-d10 (Surr)	212	9.948	9.948	0.000	100	52182	0.2500	0.2051	
	25 Fluoranthene	202	9.967	9.967	0.000	98	63669	0.2500	0.2006	
	26 Pyrene	202	10.180	10.180	0.000	98	66137	0.2500	0.2062	
	27 Butyl benzyl phthalate	149	10.844	10.852	-0.008	100	19774	0.2500	0.2011	
	28 Benzo[a]anthracene	228	11.450	11.450	0.000	82	45934	0.2500	0.1933	
*	29 Chrysene-d12	240	11.465	11.465	0.000	93	46857	0.2500	0.2500	
	30 Chrysene	228	11.496	11.496	0.000	100	49719	0.2500	0.2077	
	31 Bis(2-ethylhexyl) phthalate	149	11.519	11.519	0.000	99	24881	0.2500	0.2060	
	32 Di-n-octyl phthalate	149	12.386	12.386	0.000	97	35725	0.2500	0.1929	
	33 Benzo[b]fluoranthene	252	12.869	12.861	0.008	100	37957	0.2500	0.1904	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.907	12.907	0.000	100	50843	0.2500	0.2290	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.298	13.291	0.007	97	26929	0.2500	0.1904	
37 Benzo[a]pyrene	252	13.329	13.329	0.000	100	36279	0.2500	0.1949	
* 38 Perylene-d12	264	13.413	13.413	0.000	97	42153	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.030	15.023	0.007	98	22179	0.2500	0.1572	M
41 Dibenz(a,h)anthracene	278	15.080	15.073	0.007	98	23636	0.2500	0.1573	
42 Benzo[g,h,i]perylene	276	15.475	15.476	-0.001	100	30435	0.2500	0.1683	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00036 Amount Added: 10.00 Units: uL Run Reagent

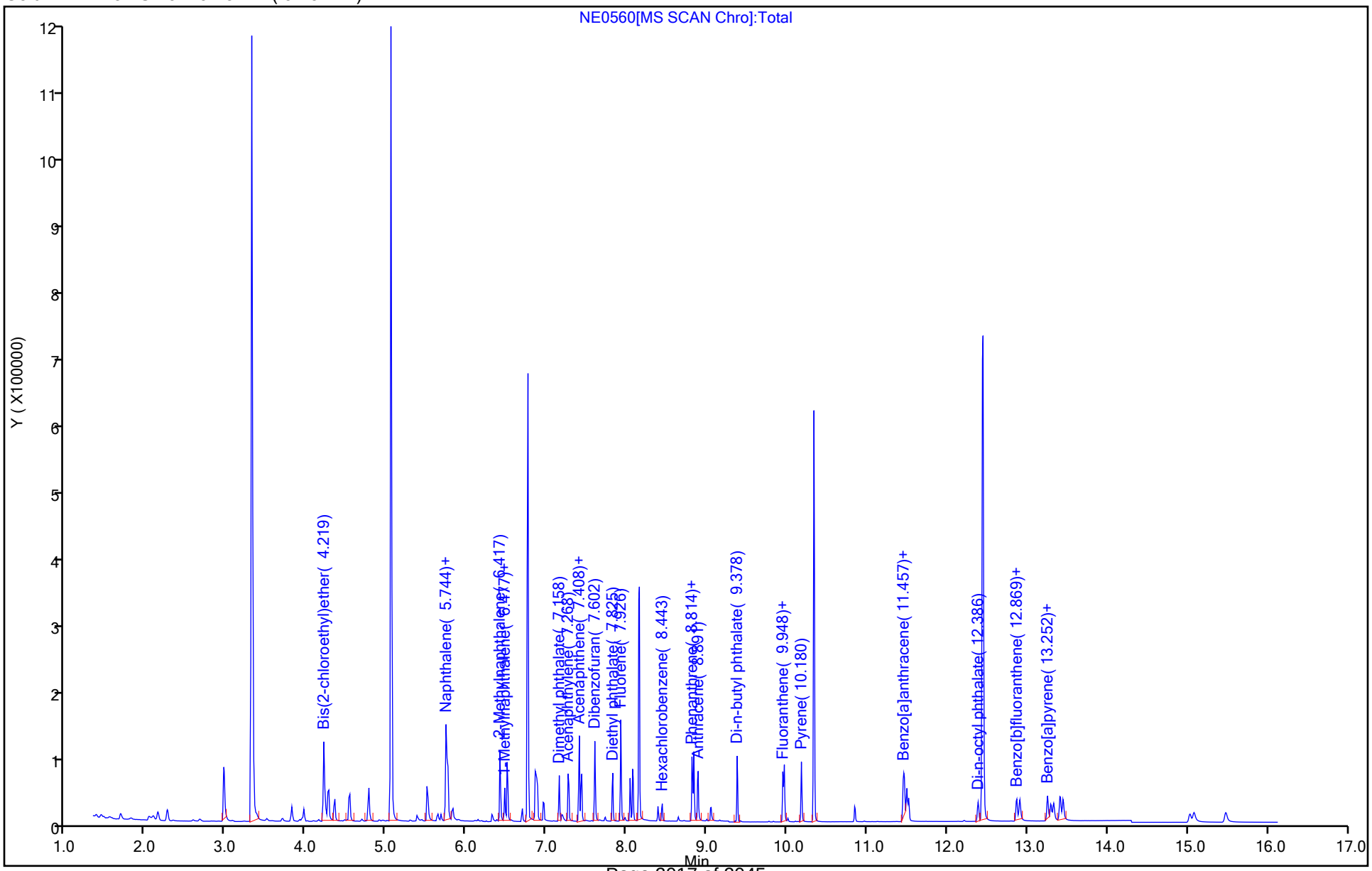
Report Date: 26-May-2023 20:30:12 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0560.D

Injection Date:	26-May-2023 08:12:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-127407-A-3-A MS			Worklist Smp#:	11
Client ID:	FBW001-MS_052023				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
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\20230526-85101.b\NE0560.D				
Lims ID:	410-127407-A-3-A MS				
Client ID:	FBW001-MS_052023				
Sample Type:	MS				
Inject. Date:	26-May-2023 08:12:30	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-A-3-A MS				
Misc. Info.:	410-0085101-011				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	26-May-2023 20:29:45	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:	CTX1644				

First Level Reviewer: UJM0 Date: 26-May-2023 08:37:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1577	63.08
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.2051	82.06
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1904	76.17

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

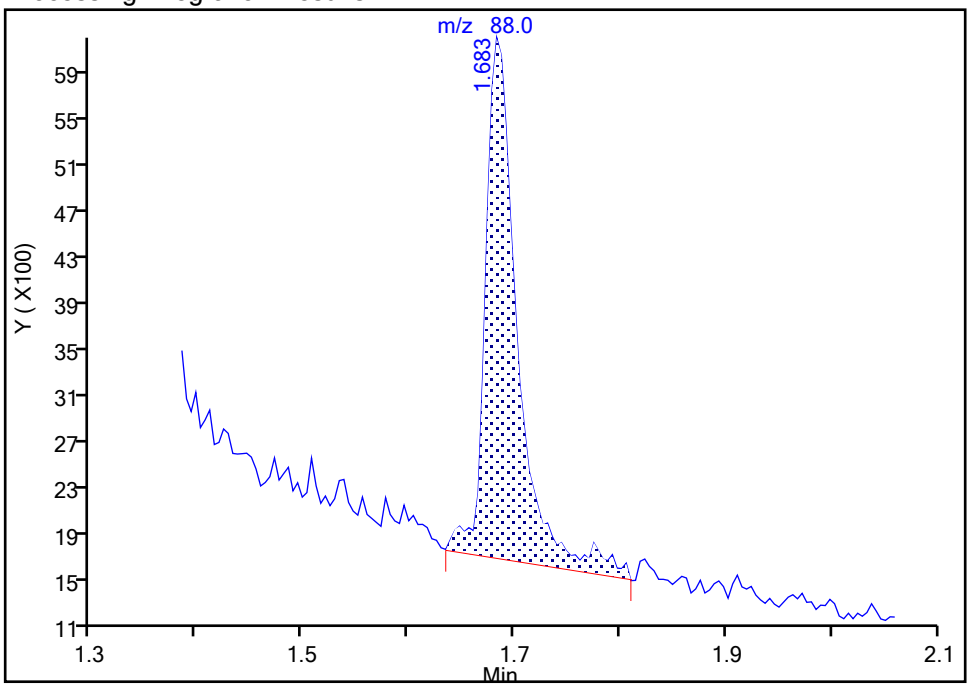
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0560.D				
Injection Date:	26-May-2023 08:12:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-3-A MS				
Client ID:	FBW001-MS_052023				
Operator ID:	jmg00346	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

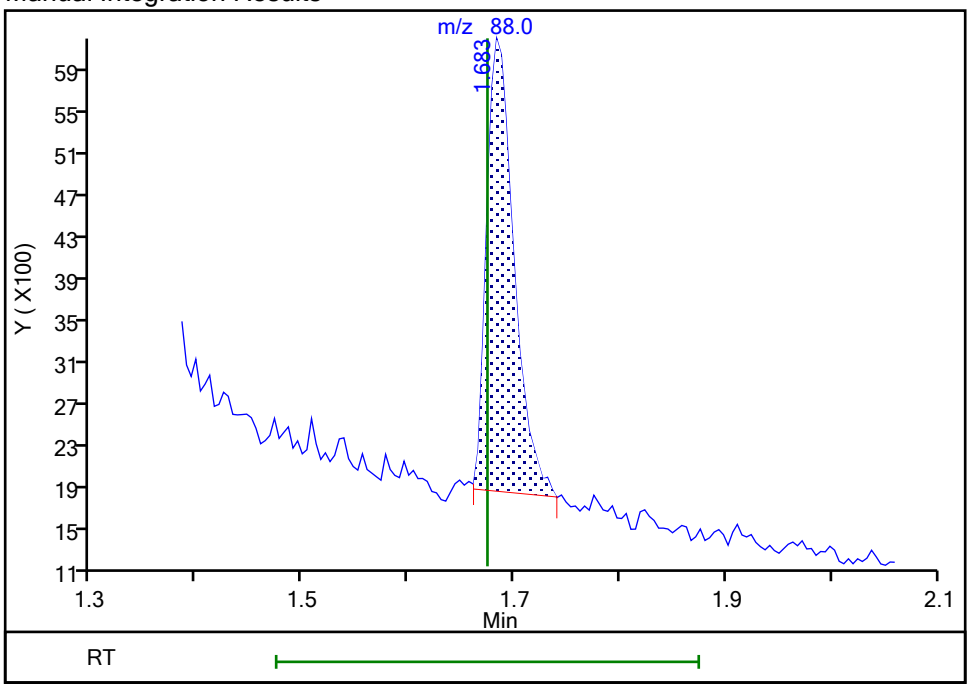
Processing Integration Results

RT: 1.68
Area: 9263
Amount: 0.113512
Amount Units: ug/ml



Manual Integration Results

RT: 1.68
Area: 7589
Amount: 0.092998
Amount Units: ug/ml



Reviewer: UJM0, 26-May-2023 08:37:26 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

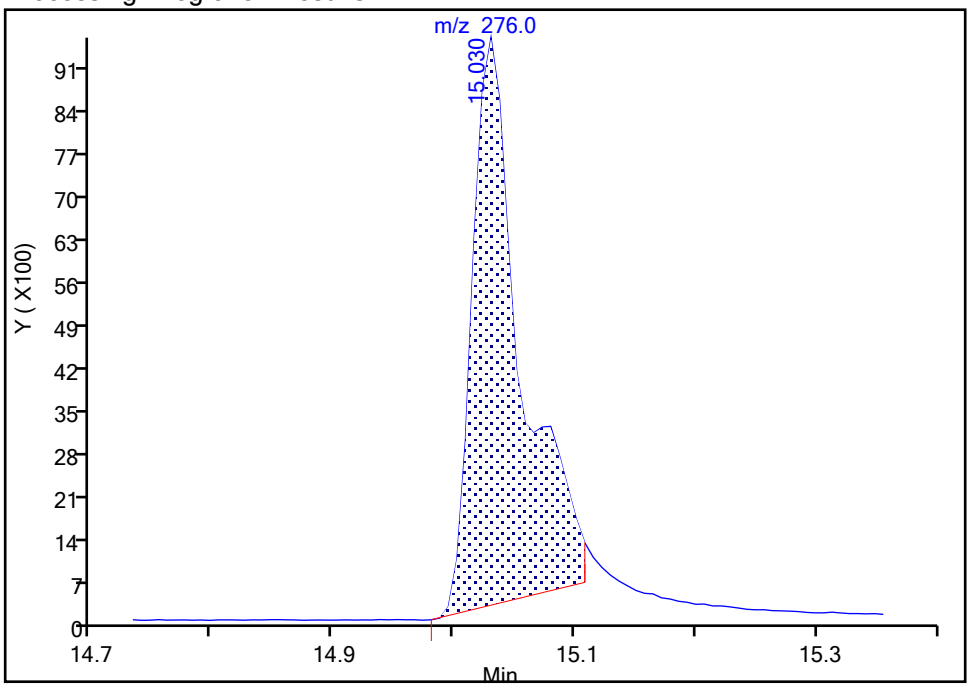
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0560.D				
Injection Date:	26-May-2023 08:12:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-3-A MS				
Client ID:	FBW001-MS_052023				
Operator ID:	jmg00346	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

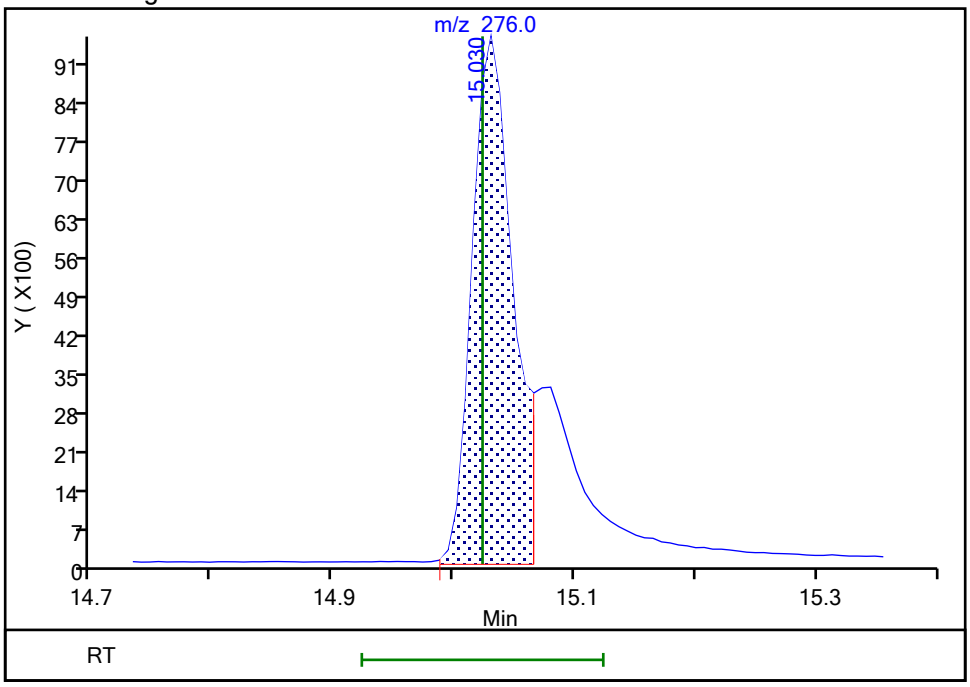
Processing Integration Results

RT: 15.03
Area: 26039
Amount: 0.184516
Amount Units: ug/ml



Manual Integration Results

RT: 15.03
Area: 22179
Amount: 0.157164
Amount Units: ug/ml



Reviewer: UJM0, 26-May-2023 08:37:52 -04:00:00 (UTC)

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.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MSD_052023 MSD
Lab Sample ID: 410-127407-3 MSD

Matrix: Water
Lab File ID: NE0561.D

Analysis Method: 8270D SIM
Date Collected: 05/18/2023 10:43

Extract. Method: 3510C
Date Extracted: 05/25/2023 15:27

Sample wt/vol: 247.1(mL)
Date Analyzed: 05/26/2023 08:33

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.: 380221
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.377		0.30	0.10
90-12-0	1-Methylnaphthalene	0.539		0.051	0.020
91-57-6	2-Methylnaphthalene	0.491		0.051	0.020
83-32-9	Acenaphthene	0.598		0.051	0.010
208-96-8	Acenaphthylene	0.632		0.051	0.010
120-12-7	Anthracene	0.699		0.051	0.010
56-55-3	Benzo[a]anthracene	0.696		0.051	0.010
50-32-8	Benzo[a]pyrene	0.685		0.051	0.010
205-99-2	Benzo[b]fluoranthene	0.711		0.051	0.010
191-24-2	Benzo[g,h,i]perylene	0.588		0.051	0.010
207-08-9	Benzo[k]fluoranthene	0.767		0.051	0.010
111-44-4	Bis(2-chloroethyl)ether	0.646		0.051	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.679	J	1.0	0.051
85-68-7	Butylbenzylphthalate	0.678	J	1.0	0.051
218-01-9	Chrysene	0.719		0.051	0.010
53-70-3	Dibenz(a,h)anthracene	0.535		0.051	0.020
132-64-9	Dibenzofuran	0.619		0.051	0.010
84-66-2	Diethylphthalate	0.805	J	1.0	0.051
131-11-3	Dimethylphthalate	0.731	J	1.0	0.051
84-74-2	Di-n-butyl phthalate	0.827	J	1.0	0.051
117-84-0	Di-n-octyl phthalate	0.666	J	1.0	0.051
206-44-0	Fluoranthene	0.710		0.051	0.010
86-73-7	Fluorene	0.650		0.051	0.010
118-74-1	Hexachlorobenzene	0.620		0.051	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.532		0.051	0.020
91-20-3	Naphthalene	0.515		0.071	0.030
62-75-9	N-Nitrosodimethylamine	0.473		0.051	0.020
85-01-8	Phenanthrene	0.703		0.071	0.030
129-00-0	Pyrene	0.739		0.051	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-127407-1

SDG No.:

Client Sample ID: FBW001-MSD_052023 MSD Lab Sample ID: 410-127407-3 MSD

Matrix: Water Lab File ID: NE0561.D

Analysis Method: 8270D SIM Date Collected: 05/18/2023 10:43

Extract. Method: 3510C Date Extracted: 05/25/2023 15:27

Sample wt/vol: 247.1(mL) Date Analyzed: 05/26/2023 08:33

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.: 380221 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	54	cn	33-120
63466-71-7	Benzo(a)pyrene-d12 (Surr)	66	cn	17-120
93951-69-0	Fluoranthene-d10 (Surr)	71	cn	43-124

Report Date: 26-May-2023 20:30:14 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0561.D
Lims ID: 410-127407-A-3-B MSD
Client ID: FBW001-MSD_052023
Sample Type: MSD
Inject. Date: 26-May-2023 08:33:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-127407-A-3-B MSD
Misc. Info.: 410-0085101-012
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 26-May-2023 20:29:45 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: CTX1644

First Level Reviewer: UJM0 Date: 26-May-2023 09:07:15

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.683	1.674	0.009	90	7664	0.2500	0.0932	M
	2 N-Nitrosodimethylamine	74	2.042	1.994	0.048	79	11020	0.2500	0.1168	
	3 Bis(2-chloroethyl)ether	93	4.282	4.282	0.000	97	32431	0.2500	0.1596	
*	4 1,4-Dichlorobenzene-d4	152	4.544	4.544	0.000	98	37050	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.744	5.744	0.000	100	137942	0.2500	0.2500	
	6 Naphthalene	128	5.756	5.769	-0.013	97	69427	0.2500	0.1274	
	8 2-Methylnaphthalene	142	6.419	6.417	0.002	100	43861	0.2500	0.1213	
$	9 1-Methylnaphthalene-d10	152	6.479	6.477	0.002	99	32234	0.2500	0.1343	
	10 1-Methylnaphthalene	142	6.509	6.507	0.002	96	41064	0.2500	0.1332	
	11 Dimethyl phthalate	163	7.160	7.158	0.002	76	41891	0.2500	0.1806	
	12 Acenaphthylene	152	7.270	7.278	-0.008	100	62986	0.2500	0.1561	
*	13 Acenaphthene-d10	164	7.410	7.408	0.002	96	53726	0.2500	0.2500	
	14 Acenaphthene	154	7.440	7.438	0.002	90	35214	0.2500	0.1478	
	15 Dibenzofuran	168	7.602	7.602	0.000	100	56938	0.2500	0.1528	
	16 Diethyl phthalate	149	7.826	7.826	0.000	98	44257	0.2500	0.1990	
	17 Fluorene	166	7.926	7.926	0.000	98	43208	0.2500	0.1607	
	19 Hexachlorobenzene	284	8.443	8.443	0.000	92	13246	0.2500	0.1532	
*	20 Phenanthrene-d10	188	8.814	8.814	0.000	99	80948	0.2500	0.2500	
	21 Phenanthrene	178	8.837	8.837	0.000	100	59079	0.2500	0.1737	
	22 Anthracene	178	8.891	8.883	0.008	100	56646	0.2500	0.1726	
	23 Di-n-butyl phthalate	149	9.382	9.378	-0.002	100	64319	0.2500	0.2043	
$	24 Fluoranthene-d10 (Surr)	212	9.947	9.948	-0.001	100	46544	0.2500	0.1779	
	25 Fluoranthene	202	9.965	9.967	-0.002	99	57266	0.2500	0.1755	
	26 Pyrene	202	10.185	10.180	0.005	96	59917	0.2500	0.1826	
	27 Butyl benzyl phthalate	149	10.850	10.852	-0.002	100	16852	0.2500	0.1676	
	28 Benzo[a]anthracene	228	11.456	11.450	0.006	91	41799	0.2500	0.1720	
*	29 Chrysene-d12	240	11.464	11.465	-0.001	95	47922	0.2500	0.2500	
	30 Chrysene	228	11.494	11.496	-0.002	100	43481	0.2500	0.1776	
	31 Bis(2-ethylhexyl) phthalate	149	11.517	11.519	-0.002	98	20733	0.2500	0.1678	
	32 Di-n-octyl phthalate	149	12.384	12.386	-0.002	97	30378	0.2500	0.1645	
	33 Benzo[b]fluoranthene	252	12.867	12.861	0.006	100	34914	0.2500	0.1757	

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	12.906	12.907	-0.001	100	41957	0.2500	0.1896	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.297	13.291	0.006	98	23388	0.2500	0.1659	
37 Benzo[a]pyrene	252	13.327	13.329	-0.002	100	31417	0.2500	0.1693	
* 38 Perylene-d12	264	13.412	13.413	-0.001	97	42018	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.030	15.023	0.007	98	18491	0.2500	0.1315	M
41 Dibenz(a,h)anthracene	278	15.086	15.073	0.013	97	19798	0.2500	0.1322	
42 Benzo[g,h,i]perylene	276	15.475	15.476	-0.001	100	26179	0.2500	0.1452	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00036 Amount Added: 10.00 Units: uL Run Reagent

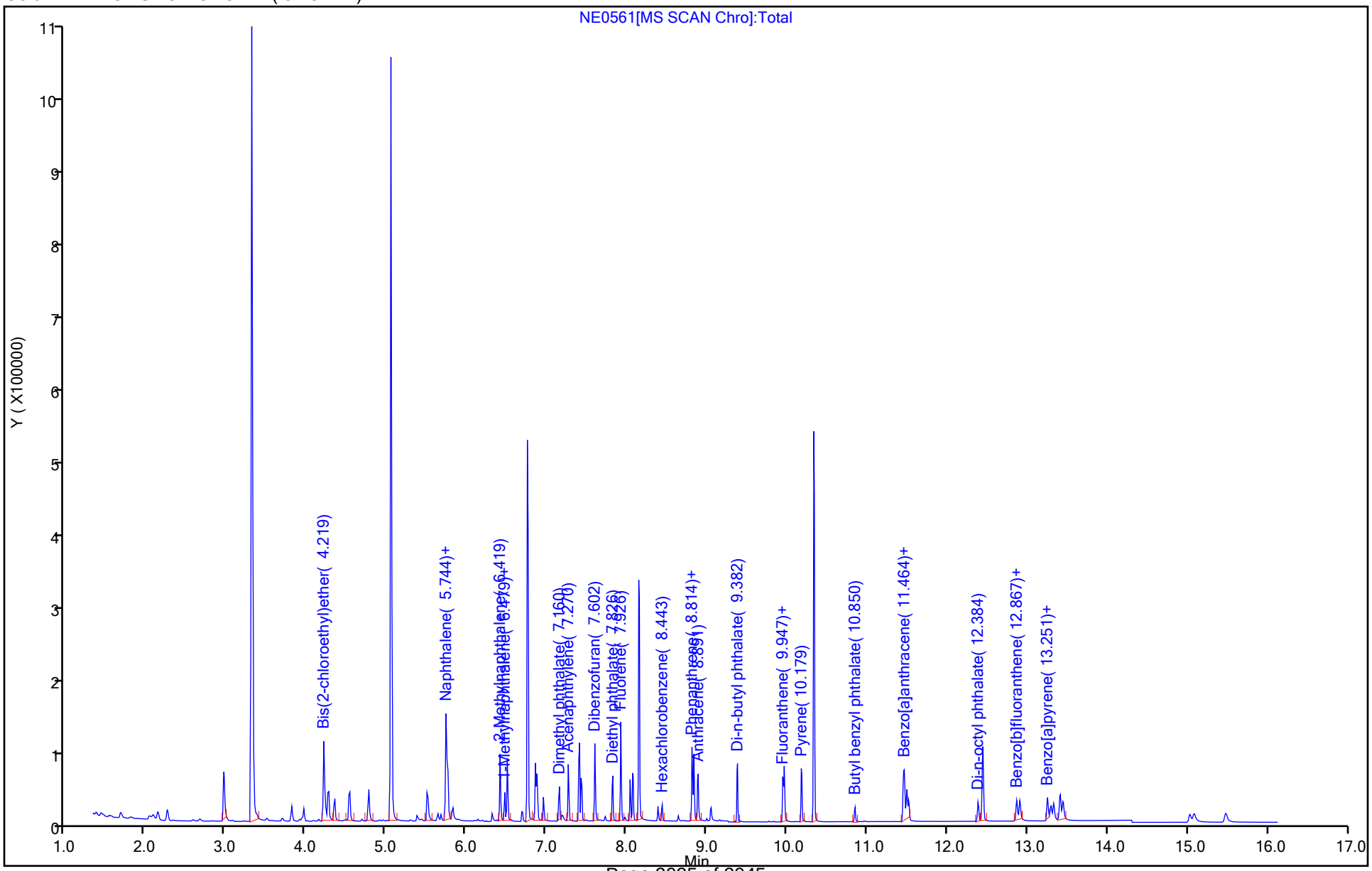
Report Date: 26-May-2023 20:30:14 Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0561.D

Injection Date:	26-May-2023 08:33:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	410-127407-A-3-B MSD			Worklist Smp#:	12
Client ID:	FBW001-MSD_052023				
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\20230526-85101.b\NE0561.D				
Lims ID:	410-127407-A-3-B MSD				
Client ID:	FBW001-MSD_052023				
Sample Type:	MSD				
Inject. Date:	26-May-2023 08:33:30	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-127407-A-3-B MSD				
Misc. Info.:	410-0085101-012				
Operator ID:	jmg00346	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	26-May-2023 20:29:45	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:	CTX1644				

First Level Reviewer: UJM0 Date: 26-May-2023 09:07:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1343	53.71
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1779	71.16
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1659	66.36

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

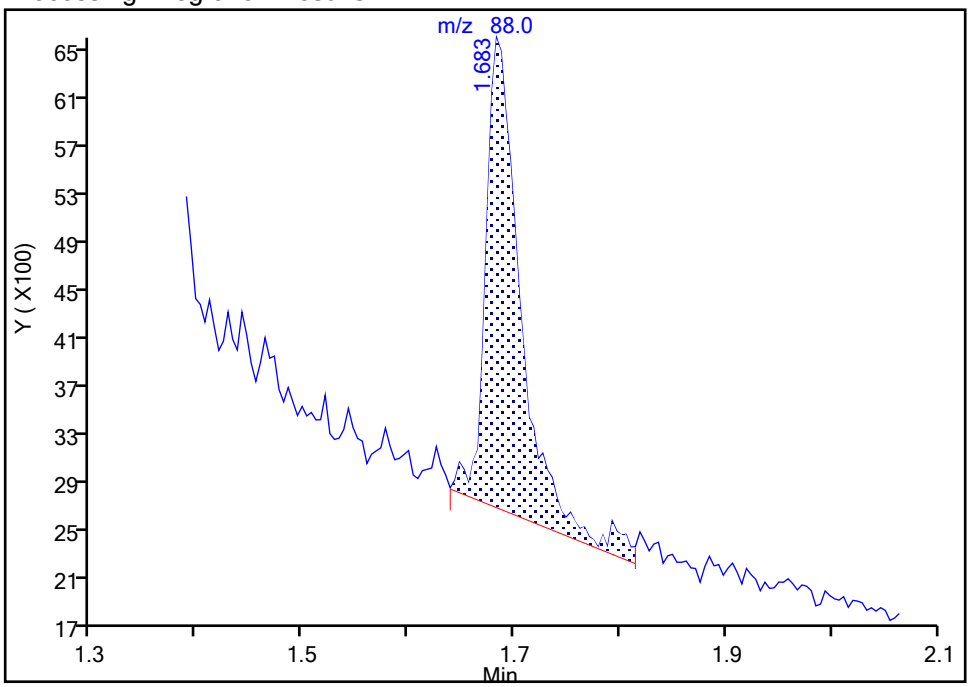
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0561.D				
Injection Date:	26-May-2023 08:33:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-3-B MSD				
Client ID:	FBW001-MSD_052023				
Operator ID:	jmg00346	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

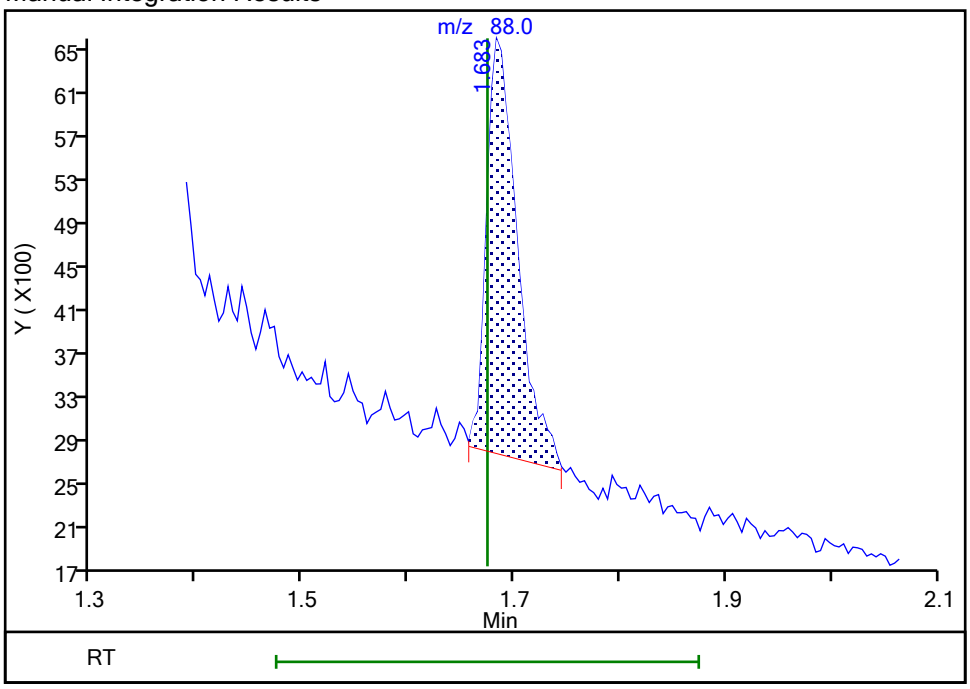
Processing Integration Results

RT: 1.68
Area: 8860
Amount: 0.107797
Amount Units: ug/ml



Manual Integration Results

RT: 1.68
Area: 7664
Amount: 0.093246
Amount Units: ug/ml



Reviewer: UJM0, 26-May-2023 08:58:18 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

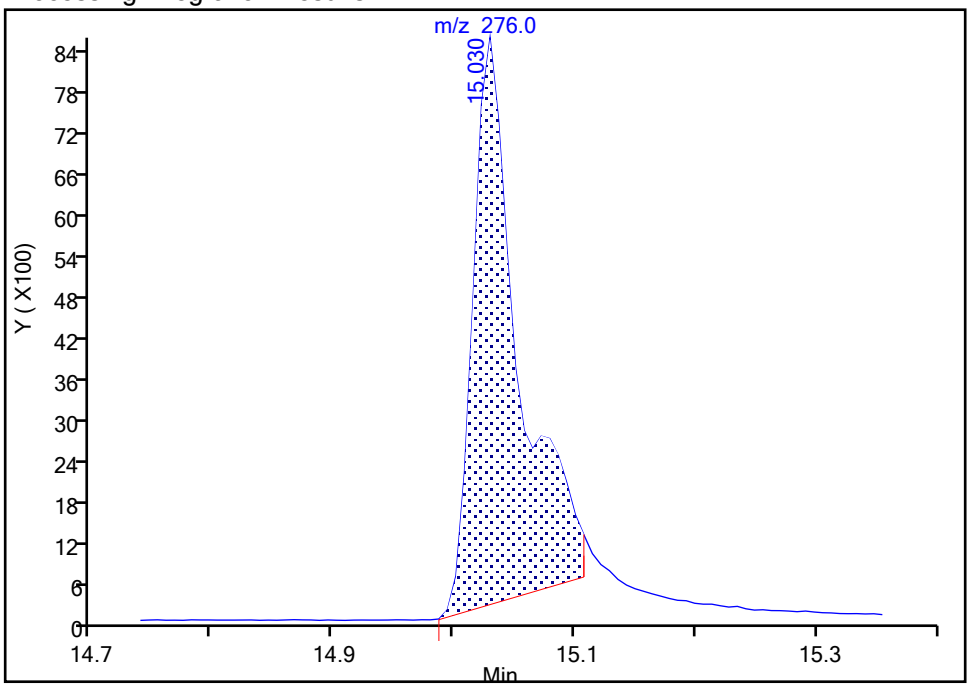
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20230526-85101.b\NE0561.D				
Injection Date:	26-May-2023 08:33:30	Instrument ID:	HP23263		
Lims ID:	410-127407-A-3-B MSD				
Client ID:	FBW001-MSD_052023				
Operator ID:	jmg00346	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

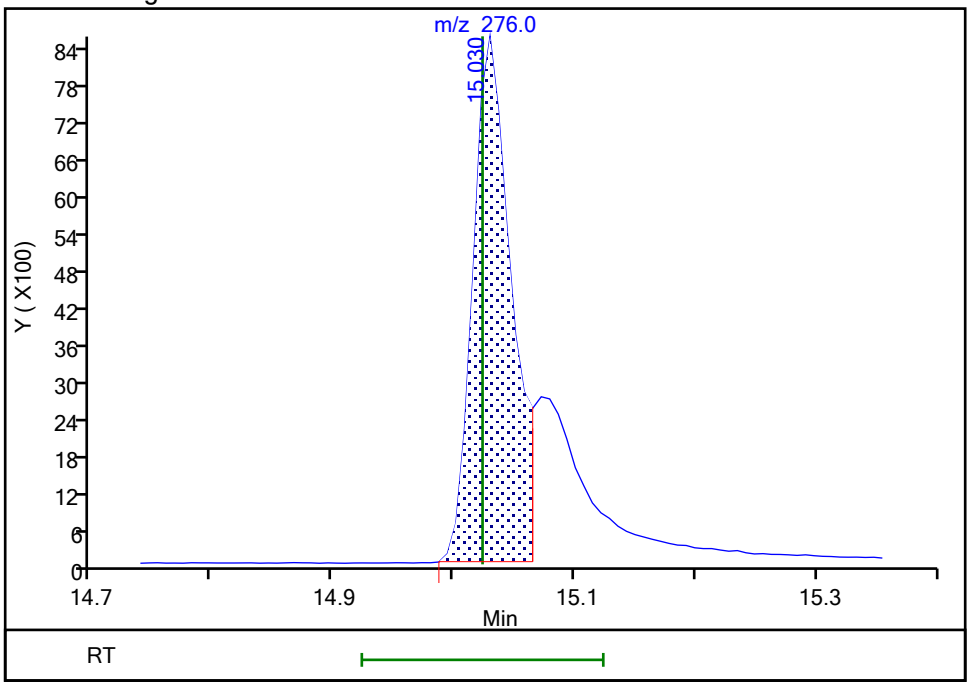
Processing Integration Results

RT: 15.03
Area: 21846
Amount: 0.155301
Amount Units: ug/ml



Manual Integration Results

RT: 15.03
Area: 18491
Amount: 0.131451
Amount Units: ug/ml



Reviewer: UJM0, 26-May-2023 08:58:06 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

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 Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: HP21585 Start Date: 04/25/2023 05:46

Analysis Batch Number: 368078 End Date: 04/25/2023 09:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-368078/1		04/25/2023 05:46	1	MD0950.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-368078/2		04/25/2023 06:05	1	MD0951.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-368078/3		04/25/2023 06:46	1	MD0952.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-368078/4		04/25/2023 07:07	1	MD0953.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-368078/5		04/25/2023 07:28	1	MD0954.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-368078/6		04/25/2023 07:49	1	MD0955.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-368078/7		04/25/2023 08:11	1	MD0956.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-368078/8		04/25/2023 08:32	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-368078/9		04/25/2023 08:53	1	MD0958.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-368078/10		04/25/2023 09:15	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: HP21585 Start Date: 04/27/2023 03:16

Analysis Batch Number: 369143 End Date: 04/27/2023 13:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-369143/1 DL		04/27/2023 03:16	1	MD1050.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-369143/2		04/27/2023 04:09	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-369143/3		04/27/2023 04:35	1	MD1052.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/27/2023 05:19	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/27/2023 05:40	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/27/2023 06:01	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/27/2023 06:23	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/27/2023 06:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/27/2023 07:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/27/2023 07:27	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/27/2023 07:49	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/27/2023 13:10	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/27/2023 13:31	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: HP23263 Start Date: 05/26/2023 04:28

Analysis Batch Number: 380221 End Date: 05/26/2023 11:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-380221/1		05/26/2023 04:28	1	NE0550.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-380221/2		05/26/2023 04:44	1	NE0551.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-380061/1-A		05/26/2023 05:18	1	NE0552.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-380061/2-A		05/26/2023 05:40	1	NE0553.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-380061/3-A		05/26/2023 06:01	1	NE0554.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/26/2023 06:23	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/26/2023 06:45	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/26/2023 07:07	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/26/2023 07:28	5		DB-5MS 30m 0.25 0.25(mm)
410-127407-3	FBW001_052023	05/26/2023 07:50	1	NE0559.D	DB-5MS 30m 0.25 0.25(mm)
410-127407-3 MS	FBW001-MS_052023 MS	05/26/2023 08:12	1	NE0560.D	DB-5MS 30m 0.25 0.25(mm)
410-127407-3 MSD	FBW001-MSD_052023 MSD	05/26/2023 08:33	1	NE0561.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/26/2023 08:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/26/2023 09:17	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/26/2023 09:39	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/26/2023 10:00	1		DB-5MS 30m 0.25 0.25(mm)
410-127407-1	FBS010_052023	05/26/2023 10:22	1	NE0566.D	DB-5MS 30m 0.25 0.25(mm)
410-127407-2	Dup-01_052023	05/26/2023 10:43	1	NE0567.D	DB-5MS 30m 0.25 0.25(mm)
410-127407-4	FB-01_052023	05/26/2023 11:05	1	NE0568.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: HP21585 Start Date: 05/30/2023 04:34

Analysis Batch Number: 380829 End Date: 05/30/2023 16:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-380829/1		05/30/2023 04:34	1	ME1160.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-380829/2		05/30/2023 04:50	1	ME1161.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 05:30	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 05:51	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 06:12	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 06:34	1		DB-5MS 30m 0.25 0.25(mm)
410-127407-1 RA	FBS010_052023 RA	05/30/2023 07:38	1	ME1168.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 07:59	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 08:20	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 08:42	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 09:03	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 09:25	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 09:46	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 10:07	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 10:29	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 10:50	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 11:12	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 11:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 11:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 12:16	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 12:37	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 12:59	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 13:20	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 13:42	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 14:03	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 14:46	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 15:07	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 15:29	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 15:50	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/30/2023 16:12	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: HP21585 Start Date: 06/02/2023 04:47

Analysis Batch Number: 382216 End Date: 06/02/2023 16:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-382216/1		06/02/2023 04:47	1	MF0050.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-382216/2		06/02/2023 05:04	1	MF0051.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 05:53	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 06:14	1		DB-5MS 30m 0.25 0.25(mm)
MB 410-382041/1-A		06/02/2023 06:35	1	MF0054.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-382041/2-A		06/02/2023 06:57	1	MF0055.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-382041/3-A		06/02/2023 07:18	1	MF0056.D	DB-5MS 30m 0.25 0.25(mm)
410-127407-2 RE	Dup-01_052023 RE	06/02/2023 07:40	1	MF0057.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 08:01	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 08:22	200		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 08:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 09:05	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 09:27	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 09:48	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 10:09	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 10:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 11:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 11:35	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 11:57	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 12:18	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 12:39	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 13:01	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 13:22	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 13:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 14:05	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 14:27	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 14:48	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 15:09	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 15:31	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 15:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		06/02/2023 16:14	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-127407-1

SDG No.:

Instrument ID: HP21585 Start Date: 06/02/2023 04:47

Analysis Batch Number: 382216 End Date: 06/02/2023 16:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/02/2023 16:35	1		DB-5MS 30m 0.25 0.25(mm)

8270D SIM

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

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 Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 368078 Batch Start Date: 04/25/23 05:46 Batch Analyst: Gambler, Joseph M

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	MSS_RVDFTPP 00013	MSS_RVSIM_1 00021	MSS_RVSIM_2 00021	MSS_RVSIM_3 00022	MSS_RVSIM_4 00028
DFTPP 410-368078/1		8270D SIM		1 mL	1 mL				
ICIS 410-368078/2		8270D SIM		1 mL					1 mL
IC 410-368078/3		8270D SIM		1 mL					
IC 410-368078/4		8270D SIM		1 mL					
IC 410-368078/5		8270D SIM		1 mL				1 mL	
IC 410-368078/6		8270D SIM		1 mL			1 mL		
IC 410-368078/7		8270D SIM		1 mL		1 mL			
ICV 410-368078/9		8270D SIM		1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVSIM_5 00021	MSS_RVSIM_6 00018	MSS_RVSIM_ICV 00037			
DFTPP 410-368078/1		8270D SIM							
ICIS 410-368078/2		8270D SIM							
IC 410-368078/3		8270D SIM			1 mL				
IC 410-368078/4		8270D SIM		1 mL					
IC 410-368078/5		8270D SIM							
IC 410-368078/6		8270D SIM							
IC 410-368078/7		8270D SIM							
ICV 410-368078/9		8270D SIM				1 mL			

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 369143 Batch Start Date: 04/27/23 03:16 Batch Analyst: Lutte, Kate E

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	MSS_RVDFTPP 00013	MSS_RVSIM_ICV 00037			
DFTPP 410-369143/1		8270D SIM		1 mL	1 mL				
ICV 410-369143/3		8270D SIM		1 mL		1 mL			

Batch Notes	
Pipette/Syringe/Dispenser ID	SIM internal syringe
Dilution Solution ID	MeCl2: 230081
Vial Lot Number	427847

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 380061 Batch Start Date: 05/25/23 15:26 Batch Analyst: Battle-Hilacion, Destiny

Batch Method: 3510C Batch End Date: 05/25/23 19:31

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH
MB 410-380061/1		3510C, 8270D SIM				250 mL	1 mL	11 SU	2 SU
LCS 410-380061/2		3510C, 8270D SIM				250 mL	1 mL	11 SU	2 SU
LCSD 410-380061/3		3510C, 8270D SIM				250 mL	1 mL	11 SU	2 SU
410-127407-A-3 MS	FBW001-MS_052023	3510C, 8270D SIM	T	409.12 g	167.15 g	242 mL	1 mL	11 SU	2 SU
410-127407-A-3 MSD	FBW001-MSD_052023	3510C, 8270D SIM	T	414.55 g	167.47 g	247.1 mL	1 mL	11 SU	2 SU
410-127407-A-3	FBW001_052023	3510C, 8270D SIM	T	413.69 g	167.94 g	245.8 mL	1 mL	11 SU	2 SU
410-127407-A-1	FBS010_052023	3510C, 8270D SIM	T	417.20 g	168.03 g	249.2 mL	1 mL	11 SU	2 SU
410-127407-A-2	Dup-01_052023	3510C, 8270D SIM	T	415.50 g	168.70 g	246.8 mL	1 mL	11 SU	2 SU
410-127407-A-4	FB-01_052023	3510C, 8270D SIM	T	412.89 g	169.34 g	243.6 mL	1 mL	11 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_MINIBNA_SS 00089	OP_SIMLCS_MS 00092	AnalysisComment			
MB 410-380061/1		3510C, 8270D SIM		1 mL		tap water			
LCS 410-380061/2		3510C, 8270D SIM		1 mL	0.25 mL	tap water			
LCSD 410-380061/3		3510C, 8270D SIM		1 mL	0.25 mL	tap water			
410-127407-A-3 MS	FBW001-MS_052023	3510C, 8270D SIM	T	1 mL	0.25 mL	clear			
410-127407-A-3 MSD	FBW001-MSD_052023	3510C, 8270D SIM	T	1 mL	0.25 mL	clear			
410-127407-A-3	FBW001_052023	3510C, 8270D SIM	T	1 mL		clear			
410-127407-A-1	FBS010_052023	3510C, 8270D SIM	T	1 mL		clear			
410-127407-A-2	Dup-01_052023	3510C, 8270D SIM	T	1 mL		clear			
410-127407-A-4	FB-01_052023	3510C, 8270D SIM	T	1 mL		clear			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 380061 Batch Start Date: 05/25/23 15:26 Batch Analyst: Battle-Hilacion, Destiny

Batch Method: 3510C Batch End Date: 05/25/23 19:31

Batch Notes	
Balance ID	93158
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	OS11067 DBH82588 AS86224
Analyst ID - Spike Analyst	OS11067
Acid Used for pH Adjustment ID	H2SO4:225553
Base Used to Adjust pH ID	NaOH:4202B64
Prep Solvent ID	MeCl2:226055
Prep Solvent Volume Used	90 mL
Na2SO4 ID	23143A
Analyst ID - Concentration	OS11067 DBH82588 AS86224
Equipment ID - Concentration 1	BUCHI
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 Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 382041 Batch Start Date: 06/01/23 15:47 Batch Analyst: Battle-Hilacion, Destiny

Batch Method: 3510C Batch End Date: 06/01/23 21:54

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 410-382041/1		3510C, 8270D SIM				250 mL	1 mL	n/a SU	11 SU
LCS 410-382041/2		3510C, 8270D SIM				250 mL	1 mL	n/a SU	11 SU
LCSD 410-382041/3		3510C, 8270D SIM				250 mL	1 mL	n/a SU	11 SU
410-127407-C-2	Dup-01_052023	3510C, 8270D SIM	T	416.76 g	168.61 g	248.2 mL	1 mL	n/a SU	11 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	OP_MINIBNA_SS 00089	OP_SIMLCS_MS 00092	AnalysisComment		
MB 410-382041/1		3510C, 8270D SIM		2 SU	1 mL		tap water		
LCS 410-382041/2		3510C, 8270D SIM		2 SU	1 mL	0.25 mL	tap water		
LCSD 410-382041/3		3510C, 8270D SIM		2 SU	1 mL	0.25 mL	tap water		
410-127407-C-2	Dup-01_052023	3510C, 8270D SIM	T	2 SU	1 mL		clear		

Batch Notes	
Balance ID	93158
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	OS11067 DBH82588 AS86224
Analyst ID - Spike Analyst	OS11067
Acid Used for pH Adjustment ID	H2SO4: 225553
Base Used to Adjust pH ID	NaOH: 4202B64
Prep Solvent ID	MeCl2: 231027
Prep Solvent Volume Used	90 mL
Na2SO4 ID	23151A
Analyst ID - Concentration	OS11067 DBH82588 AS86224
Equipment ID - Concentration 1	BUCHI
Concentration 1 Corrected Temperature	55 Degrees C

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-127407-1

SDG No.:

Batch Number: 382041 Batch Start Date: 06/01/23 15:47 Batch Analyst: Battle-Hilacion, Destiny

Batch Method: 3510C Batch End Date: 06/01/23 21:54

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

ironme

Chain of Custody Record

eurofins | Environment Testing

410-127407 Chain of Custody

Client Contact: ~~Kay Kincannon~~ Ryley Howard	Sampler: Ryley Howard	Lab PM: Brown, Nicole	Carrier Tracking No(s):	COC No: 410-88189-14132.1
Company: Environmental Works, Inc.	Phone:	E-Mail: Nicole Brown@et.eurofinsus.com	State of Origin: MO	Page: Page 1 of 1
Address: 1455 East Chestnut Expressway	PWSID:	Analysis Requested		Job #:
City: Springfield	Due Date Requested:			
State, Zip: MO, 65802	TAT Requested (days): Standard (10-Day)			
Phone: 406-457-2142(Tel)	Compliance Project: Δ Yes Δ No			
Email: ~~kkincannon@environmentalworks.com~~ rrhoward@environmentalworks.com	PO #: SPRINGFIELD, MO			
Project Name: Springfield, MO: 2Q2023 Public Well Sampling	WO #:			
Site:	Project #: 41006923			
	SSOW#:			

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:

Cooler #1

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_052023	5/18/23	1100	G	Water			3	4	7	Cooler #1
Dup-01_052023	5/18/23	1200	G	Water			3	4	7	
FBW001_052023	5/18/23	1043	G	Water			3	4	7	
FBW001-MS_052023	5/18/23	1043	G	Water			3	4	7	
FBW001-MSD_052023	5/18/23	1043	G	Water			3	4	7	
FB-01_052023	5/18/23	1100	G	Water			3	4	7	
				Water						
Trip Blank-01-052023	-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: 5-5-23 11:05	Company: EWI	Received by:	Date/Time: 05/10/23 @ 1700	Company: EWI
Relinquished by:	Date/Time: 05/18/23@1300	Company: EWI	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 5-9-23 1005	Company: EWI

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

Cooler Temperature(s) °C and Other Remarks: BOW: 1.2 COR: 1.2

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Environmental Works, Inc. Job Number: 410-127407-1

Login Number: 127407 **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.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Former Tronox/Kerr-McGee Facility - Springfield, Missouri
OFIWP Public Drinking Well Sampling
Data Usability Summary

Level 2 Data Validation was performed by Environmental Works, Inc. (EWI) on the one (1) data package from Eurofins Laboratories in Lancaster, Pennsylvania, for the analysis of public drinking water well samples collected May 18, 2023. The data package group number was 410-127407.

Intended Use of Data: The intended use of this report is to provide a summary of validated and/or invalidated data, indicate any QAQC discrepancies identified during data review, and provide an evaluation as to whether data quality objectives (DQOs) were met related to the data obtained during the second quarter public drinking water well sampling.

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 Off Facility Investigation Work Plan (Integral, 2019). The results of the data review and validation are discussed in this Data Usability Summary. The data package(s) 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

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). There were no receipt 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

All target analytes were spiked into control samples and reported for the required LCS/LCSD analyses. The LCS and LCSD results outside the QC acceptance criteria and effect on data usability are discussed in the narratives of the Level 2 data evaluation checklists and referenced on the Level 4 data evaluation checklists. Lab reports are flagged with data qualifiers where data usability is brought into question. Repeat analysis results show affected data were non-detections, therefore all data is validated.

6) Surrogate Spike Recoveries

All target analyte surrogates were spiked into control samples and reported for the required method analysis. Surrogate recoveries were noted outside of acceptable control limits. Associated results outside the QC acceptance criteria and effect on data usability are discussed in the narratives of the Level 2 data evaluation checklists and referenced on the Level 4 data evaluation checklists. Lab reports are flagged with data qualifiers where data usability is brought into question. Data was confirmed by repeat analysis results which show affected data were non-detections, therefore all data is validated.

7) Matrix Spike/Matrix Spike Duplicate Results

As per Quality Assurance Project Plan (QAPP) B4.1.4 a sample will be collected in triplicate. The first sample volume collected will be the native field sample and the other two sample volumes will be the matrix spike (MS) and matrix spike duplicate (MSD). Prior to sample extraction and analysis, the laboratory analyst will spike the MS/MSD samples with a known concentration of the target analytes. After analysis, the spike recoveries are used to evaluate potential matrix interferences. For groundwater samples, a minimum of one MS/MSD pair will be collected for every 20 samples, per matrix, per event. Associated results outside the QC acceptance criteria and effect on data usability are discussed in the narratives of the Level 2 data evaluation checklists and referenced on the Level 4 data evaluation checklists. Lab reports are flagged with data qualifiers where data usability is brought into question. Data was confirmed by repeat analysis results which show affected data were non-detections, therefore all data is validated.

8) Duplicate Results

An independent blind duplicate sample was provided to the lab and analyzed for the same methods as its parent sample to verify laboratory precision. One duplicate was provided with this data package: DUP-01_052023 and its parent pair, FBS010_052023. A relative percent difference (RPD) value of 20 percent or less is considered acceptable when detected concentrations are more than five times the Laboratory Observable Quantitation (LOQ). When at least one of the reported concentrations is five times the LOQ or less, the values are considered comparable if they differ by the LOQ or less. Typically, an RPD is not determined when one, or both, of the reported concentrations are an estimated value less than the LOQ. However, if large discrepancies were noted between an estimated value or LOQ and the COC concentration in the duplicate sample, the estimated value or LOQ was used in the RPD calculation. For this sampling event, the duplicate/parent pair samples had similar non-detections with no analytes exceeding the RPD limit as summarized in Table 1-1 below.

Table 1-1: Public Well Water (ug/L)

Analyte	GWPS	FBS010	DUP-01	RPD
1,1,1-Trichloroethane	-	ND	ND	NA
1,1,2,2-Tetrachloroethane	-	ND	ND	NA
1,1,2-Trichloroethane	-	ND	ND	NA
1,1-Dichloroethane	-	ND	ND	NA

1,1-Dichloroethene	-	ND	ND	NA
1,2,4-Trichlorobenzene	-	0.42	ND	A
1,2,4-Trimethylbenzene	-	ND	ND	NA
1,2-Dibromo-3-chloropropane	-	ND	ND	NA
1,2-Dibromoethane	-	ND	ND	NA
1,2-Dichlorobenzene	-	ND	ND	NA
1,2-Dichloroethane	-	ND	ND	NA
1,2-Dichloropropane	-	ND	ND	NA
1,3,5-Trimethylbenzene	-	ND	ND	NA
1,3-Dichlorobenzene	-	ND	ND	NA
1,4-Dichlorobenzene	-	ND	ND	NA
2-Butanone	-	ND	ND	NA
2-Hexanone	-	ND	ND	NA
4-Methyl-2-pentanone	-	ND	ND	NA
Acetone	-	ND	ND	NA
Benzene	5	ND	ND	NA
Bromodichloromethane	-	ND	ND	NA
Bromoform	-	ND	ND	NA
Bromomethane	-	ND	ND	NA
Carbon disulfide	-	ND	ND	NA
Carbon tetrachloride	-	ND	ND	NA
Chlorobenzene	-	ND	ND	NA
Chloroethane	-	ND	ND	NA
Chloroform	-	ND	ND	NA
Chloromethane	-	ND	ND	NA
cis-1,2-Dichloroethene	-	ND	ND	NA
cis-1,3-Dichloropropene	-	ND	ND	NA
Cyclohexane	-	ND	ND	NA
Cyclohexane, Methyl-	-	ND	ND	NA
Dibromochloromethane	-	ND	ND	NA
Dichlorodifluoromethane	-	ND	ND	NA
Ethylbenzene	700	ND	ND	NA
Freon 113	-	ND	ND	NA
Isopropylbenzene	-	ND	ND	NA
Methyl acetate	-	ND	ND	NA
Methyl tertiary butyl ether	-	ND	ND	NA
Methylene chloride	-	ND	ND	NA
Styrene	-	ND	ND	NA
Tetrachloroethene	-	ND	ND	NA
Toluene	1,000	ND	ND	NA
trans-1,2-Dichloroethene	-	ND	ND	NA
trans-1,3-Dichloropropene	-	ND	ND	NA
Trichloroethene	-	ND	ND	NA
Trichlorofluoromethane	-	ND	ND	NA
Vinyl chloride	-	ND	ND	NA
Xylene (Total)	10,000	ND	ND	NA
2,4-Dimethylphenol	540	ND	ND	NA
2,4-Dinitrophenol	70	ND	ND	NA
2-Chlorophenol	0.5	ND	ND	NA
Carbazole	-	ND	ND	NA
Phenol	300	ND	ND	NA
1,4-Dioxane	-	ND	ND	NA
1-Methylnaphthalene	-	ND	ND	NA
2-Methylnaphthalene	36	ND	ND	NA
Acenaphthene	1,200	ND	ND	NA
Acenaphthylene	0.1	ND	ND	NA
Anthracene	9,600	ND	ND	NA
Benzo(a)anthracene	0.1	ND	ND	NA
Benzo(a)pyrene	0.2	ND	ND	NA
Benzo(b)fluoranthene	0.1	ND	ND	NA

Benzo(g,h,i)perylene	-	ND	ND	NA
Benzo(k)fluoranthene	0.1	ND	ND	NA
bis(2-Chloroethyl)ether	-	ND	ND	NA
Butylbenzylphthalate	-	ND	ND	NA
Chrysene	0.1	ND	ND	NA
Dibenz(a,h)anthracene	0.1	ND	ND	NA
Dibenzofuran	7.9	ND	ND	NA
Diethylphthalate	-	ND	ND	NA
Dimethylphthalate	-	ND	ND	NA
Di-N-Butyl phthalate	-	0.063	ND	A
Di-N-Octyl phthalate	-	ND	ND	NA
Fluoranthene	300	ND	ND	NA
Fluorene	1,300	ND	ND	NA
Hexachlorobenzene	-	ND	ND	NA
Indeno(1,2,3-cd)pyrene	0.1	ND	ND	NA
Naphthalene	20	ND	ND	NA
N-Nitrosodimethylamine	-	ND	ND	NA
Phenanthrene	0.1	ND	ND	NA
Pyrene	960	ND	ND	NA
bis(2-Ethylhexyl)phthalate	-	0.5	ND	A

*RPD = (x-y)/((x+y)/2)*100*
GWPS = Groundwater Protection Standards
A = Acceptable because results not >5 times LOQ, and difference between are < LOQ
U = Unsatisfactory: Failed duplicate blind study
NA = Not applicable (comparison of two ND)
ND = Not detected

9) Quantitation Limits and Sample Results

There were no dilutions warranted for analyses, so no changes to quantification limits were warranted for any other analyses.

10) Method Blank Results

The laboratory method blank 410-382041/1-A in batch 382216 had an observable detection of Bis(2-ethylhexyl) phthalate at 0.534 J. The associated analytical batch includes samples that were re-analyzed and/or re-extracted due to initial surrogate failure. The results associated with this are being excluded and the original analysis, batch 410-380221, will be used instead. No other observations were indicated to affect data usability.

11) Equipment Blank Sample Results

Equipment blanks were not warranted as no sampling equipment was needed. Water samples were collected at City taps.

12) 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 associated Field Blank had detectable analytes, they were non-Facility related and well sampled with Field Blank had no detected analytes; therefore, results are accepted.

13) Lab Comments

A summary of lab narrative/comments is shown below in bullets in the Summary below.

14) Field Instrument Calibration and Sampling Parameters

Field parameters readings including pH, Temperature, Specific Conductivity, Turbidity, and ORP were conducted as samples were collected using Facility dedicated instruments. Field meters were calibrated with stock calibration standard on the day of sampling.

15) 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. 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.

16) 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.

17) 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.

18) Usability Summary

Upon completion of QAQC Data Review, any findings for Di-n-butyl phthalate or Bis(2-ethylhexyl) phthalate in target samples are biased high based on findings of the subject analytes within the Method Blanks at or below detections similar to those observed within the Method Blank. Level 4 QAQC Review will be generated as well.

19) Summary of QA/QC Observations:

- GC/MS VOA

1. EPA Method 8260C: The continuing calibration verification (CCV) analyzed on batch 410-380934 is compliant under 8260C/D method criteria for Carbon disulfide. The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift. Associated analyte is non-Facility related, therefore there is no effect on data usability.
2. EPA Method 8260C – *Rev(1)*: The matrix spike/matrix spike duplicate (MS/MSD) precision for analytical batch 410-380934 was outside control limits for Methyl acetate.

Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits. Associated analyte is non-Facility related, therefore there is no effect on data usability.

- GC/MS Semi VOA

1. EPA Method 8270D: The continuing calibration verification (CCV) associated with batch 410-380338 recovered above the upper control limit for 2,4-Dinitrophenol. The associated samples are: FBS010_052023 (410-127407-1), Dup-01_052023 (410-127407-2), FBW001_052023 (410-127407-3) and FB-01_052023 (410-127407-4). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported with no effect on data usability.
2. EPA Method 8270D: The laboratory control sample (LCS) for preparation batch 410-380068 and analytical batch 410-380338 recovered outside control limits for the following analytes: 2,4-Dimethylphenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported. Initial batch analysis were non-detects with confirmation of non-detects verified in repeat analysis, therefore the results associated with the initial run, batch 410-380068, will be used with no suspected effect on data usability.
3. EPA Method 8270D – *Rev(1)*: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 410-380068 and analytical batch 410-380338 recovered outside control limits for the following analyte(s): Phenol. RPDs exceeded project specific limits but were within method limits for Phenol. The associated samples include: FBS010_052023 (410-127407-1), Dup-01_052023 (410-127407-2), FBW001_052023 (410-127407-3) and FB-01_052023 (410-127407-4). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported with no effect on data usability.
4. EPA Method 8270D_SIM *rev(1)*: The continuing calibration verification (CCV) associated with batch 410-380221 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate, Butylbenzylphthalate, Di-n-octyl phthalate and N-Nitrosodimethylamine. The associated samples are: Dup-01_052023 (410-127407-2), FBW001_052023 (410-127407-3) and FB-01_052023 (410-127407-4). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported with no suspected effect on data usability.
5. EPA Method 8270D_SIM: Surrogate recovery for the following sample was outside control limits for the following: Dup-01_052023 (410-127407-2). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both trials are reported. Initial batch analysis, 410-380338, were non-detects with confirmation of non-detects verified in repeat analysis, 410-382151; therefore, the results associated with the initial run, batch 410-380338, will be used with no suspected effect on data usability.
6. EPA Method 8270D_SIM: Bis(2-ethylhexl) phthalate was detected above the method detection limit (MDL) in the method blank associated with preparation batch 410-382041 and analytical batch 410-382216 as well as the following sample(s): DUP-01_052023 (410-127407-2). The associated analytical batch, 410-382216, was

warranted by a re-extraction and reanalysis conducted outside of holding time following a surrogate recovery exceedance, as described above. The batch also had detections above the MDL for the following compounds: 1,4-Dioxane, Acenaphthene, Acenaphthylene, Bis(2-chloroethyl)ether and Di-n-butyl phthalate. Because the results from the initial analysis, batch 410-380221, were non-detects and all other associated batch QC requirements were met with acceptable criteria (except those observed and described here within for CCV exceedance associated with Bis(2-ethylhexyl) phthalate above), all other observed detections from batch 410-382216 are likely due to laboratory cross contamination or instrument false positive readings due to analysis outside of holding time; therefore, initial results will be used and results associated with batch 410-382216 will be excluded from the data usability.

7. EPA Method 8270D: Surrogate recovery for the following sample was outside control limits: FBW001_052023 (410-127407-3). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both trials are reported. Initial batch analysis, Method 8270D = 410-380338 and Method 8270D_SIM = 410-380221, were non-detects with confirmation of non-detects verified in repeat analysis, Method 8270D RE = 410-382151 and Method 8270D_SIM RE = 382216; therefore, the results associated with the initial run, batch 410-380068, will be used with no suspected effect on data usability.
8. Method 8270D_SIM *rev(1)*: The matrix spike/matrix spike duplicate (MS/MSD) RPDs for preparation batch 410-380061 and analytical batch 410-380221 were outside control limits. RPDs exceeded project specific limits but were within method limits. The associated samples are: FBS010_052023 (410-127407-1), Dup-01_052023 (410-127407-2), FBW001_052023 (410-127407-3) and FB-01_052023 (410-127407-4). The following analytes were affected: **(1)** MS = 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Butylbenzylphthalate, Dibenzofuran, Diethylphthalate, Di-n-butyl phthalate, Fluorene, Hexachlorobenzene, and Naphthalene, and **(2)** MSD = 2-Methylnaphthalene, Acenaphthene, Benzo(k)fluoranthene, and Bis(2-ethylhexyl) phthalate. Associated target samples were non-detects except for Di-n-butyl phthalate and Bis(2-ethylhexyl) phthalate, which are non-Facility related; therefore, the data have been reported with no suspected effect on data usability.